

Comments (55) Dependencies Duplicates (0) Blocking (0) Resources (31)

Assigned Bug P4 + Add Hotlist

 STATUS UPDATE No update yet. [Edit](#)

 DESCRIPTION na...@gmail.com created issue #1

Component used: androidx.core.uwb
Version used: uwb:1.0.0-alpha05
Devices/Android versions reproduced on: Pixel 6 Pro Android 13 May 2023 updates for Play / Security

We are trying to initiate ranging to multiple Estimote UWB beacons using `CONFIG_MULTICAST_DS_TWR`, as the documentation states this has to be used for a list of UWB devices. Estimote beacons require us to run as a Controlee.

There seems to be no UWB related tracing when looking at the `logcat` UWB tracing after doing the `sessionFlow.collect`.

We do see this issue which appears to have been fixed on 18th May 2023, so presumably this could be part of the July fix that was mentioned in our other issue...

```

clientSession = uwb.ctrlrooleeSessionScope()
...
private suspend fun startRanging(devices: List<UwbDevice>, uwbChannelNum: Int, preamble: Int, sessionId: Int, sessionKey: ByteArray) {
...
    // Create the ranging parameters.
    val rangingParameters = RangingParameters(
        uwbConfigType = CONFIG_MULTICAST_DS_TWR,
        // SessionKeyInfo is used to encrypt the ranging session.
        sessionId = sessionId,
        sessionKeyInfo = sessionKey,
        complexChannel = uwbChannel,
        peerDevices = devices,
        updateRateType = RangingParameters.RANGING_UPDATE_RATE_AUTOMATIC
    )
    val sessionFlow = clientSession.prepareSession(rangingParameters)
...
    sessionFlow.collect {

```

✓ Links (11)

⇒ Links (11)

"http://com.example.app"

"...lay service version on your device? Can you attach a bugreport? There is a known change in UWB stack described [here](#)"

"http://com.example.app/10245"

"http://com.example.app/files/dcmlog/EMSEAD/EMSEAD_4ede36f2aaa7_nopk_nogzip_naveniohghere_2023..."

"http://com.example.app/10414"

See all related links

COMMENTS

na...@gmail.com <na...@gmail.com> #2

Multicast gives just this single line when logcat is set to filter on UWB:

```
2023-06-14 10:05:22.181 12349-12432 LoggingKt      com.example.app      D [nvsdk] Start ranging UWB channel 5 preamble 9 devices: 69:73 30:91 C9:B3
```

If we try and use multiple sessionFlow collects, each set to CONFIG_UNICAST_DS_TWR, then we do at least see some activity, even if they are all failing with RangingStatus = 37. It would be good to know what RangingStatus = 37 actually means, as it doesn't make it back to the App level code...

[illegible]

[illegible]

```

2023-06-14 10:00:31.039 963-963 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-06-14 10:00:31.039 963-963 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: mac_state=3
2023-06-14 10:00:31.039 963-963 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 9 session_id 1
2023-06-14 10:00:31.039 963-963 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-06-14 10:00:31.039 963-963 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-06-14 10:00:31.039 963-963 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 5 session_id 1
2023-06-14 10:00:31.039 963-963 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-06-14 10:00:31.039 963-963 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: MT/GID/OID 4103 RSP 0
2023-06-14 10:00:31.048 963-963 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 3 (0)
2023-06-14 10:00:31.040 1386-2713 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-06-14 10:00:31.040 1386-2713 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-06-14 10:00:31.040 1386-11175 UwbConfManager system_server I setAppConfigurations respData: UwbConfigStatusData { status = 0 length = 0, tlvs = [] }
2023-06-14 10:00:31.040 1386-2713 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 3, 0)
2023-06-14 10:00:31.040 1386-2713 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : IDLE, reasonCode:0
2023-06-14 10:00:31.040 1386-11175 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingOpened
2023-06-14 10:00:31.040 2535-5195 Uwb.Rangin...n@3856245] com.google.android.gms.persistent V onRangingOpened - sessionHandle: SessionHandle [id=1, package-name: com.google.android.gms]
2023-06-14 10:00:31.043 1386-1883 UwbSessionManager system_server I sessionInit() : finish - sessionId : 1
2023-06-14 10:00:31.045 2535-10656 NearbyUWB com.google.android.gms.persistent I (REDACTED) UWB session opened: %s
2023-06-14 10:00:31.045 2535-10656 NearbyUWB com.google.android.gms.persistent I (REDACTED) onOpened callback returns session %s
2023-06-14 10:00:31.048 2535-11138 NearbyUWB com.google.android.gms.persistent I (REDACTED) Calling rangingSession.start(): session %s
2023-06-14 10:00:31.048 2535-11138 NearbyUWB com.google.android.gms.persistent I (REDACTED) exec UWB operation %s
2023-06-14 10:00:31.048 2535-11138 Uwb.Rangin...n@3856245] com.google.android.gms.persistent V start - sessionHandle: SessionHandle [id=1, package-name: com.google.android.gms]
2023-06-14 10:00:31.049 1386-3365 UwbSessionManager system_server I startRanging() - sessionId: 1, sessionHandle: SessionHandle [id=1, package-name: com.google.android.gms]
2023-06-14 10:00:31.050 1386-11177 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java.com_android_server_uwb_jni_NativeUwbManager_nativeRangingStart
2023-06-14 10:00:31.051 1386-2706 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionStart { session_id: 1 } }
2023-06-14 10:00:31.051 963-963 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_start: MT/GID/OID 4200 CMD
2023-06-14 10:00:31.051 963-963 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-06-14 10:00:31.051 963-963 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-06-14 10:00:31.051 963-963 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-06-14 10:00:31.051 963-963 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-06-14 10:00:31.054 1109-1109 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cd, tag: 0x08, rc: 0
2023-06-14 10:00:31.055 1109-1109 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cb, tag: 0x09, rc: 0
2023-06-14 10:00:31.055 1109-1109 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cd, tag: 0x0a, rc: 0
2023-06-14 10:00:31.066 1109-1109 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cd, tag: 0x0b, rc: 0
2023-06-14 10:00:31.079 963-963 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 2 session_id 1
2023-06-14 10:00:31.081 963-963 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-06-14 10:00:31.081 963-963 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_start: MT/GID/OID 4200 RSP 0
2023-06-14 10:00:31.082 963-963 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 2 (0)
2023-06-14 10:00:31.083 1386-2713 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: core notification callback.
2023-06-14 10:00:31.083 1386-2713 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onDeviceStatusNotificationReceived
2023-06-14 10:00:31.083 1386-2713 NativeUwbManager system_server D onDeviceStatusNotificationReceived(2, default)
2023-06-14 10:00:31.083 1386-2713 UwbServiceCore system_server I updateState(): deviceState = ACTIVE, current adapter state = 1
2023-06-14 10:00:31.083 1386-2713 UwbServiceCore system_server D updateState(): state=2, reason=1, chipId=default
2023-06-14 10:00:31.083 1386-2713 UwbServiceCore system_server D chipIdToStateMap = {default=2}
2023-06-14 10:00:31.083 1386-2713 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-06-14 10:00:31.083 1386-2713 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-06-14 10:00:31.083 1386-2713 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 2, 0)
2023-06-14 10:00:31.083 1386-2713 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : ACTIVE, reasonCode:0
2023-06-14 10:00:31.084 1386-11177 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingStarted
2023-06-14 10:00:31.084 2535-5195 Uwb.Rangin...n@3856245] com.google.android.gms.persistent V onRangingStarted - sessionHandle: SessionHandle [id=1, package-name: com.google.android.gms]
2023-06-14 10:00:31.085 2535-10656 NearbyUWB com.google.android.gms.persistent I UWB ranging started [CONTEXT service_id=49]
2023-06-14 10:00:31.085 2535-10656 NearbyUWB com.google.android.gms.persistent I (REDACTED) Local UWB address is %s
2023-06-14 10:00:31.088 2535-10656 NearbyUWB com.google.android.gms.persistent I (REDACTED) Local UWB address is %s
2023-06-14 10:00:31.090 10912-10912 UwbClientSessionScope com.example.app I Started UWB ranging.
2023-06-14 10:00:31.161 963-963 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-06-14 10:00:31.162 1386-2713 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-06-14 10:00:31.162 1386-2713 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-06-14 10:00:31.162 1386-2713 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-06-14 10:00:31.162 1386-2713 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-06-14 10:00:31.162 1386-2713 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 0, SessionId = 1, RcrIndex = 0 }
2023-06-14 10:00:31.164 1386-2713 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-06-14 10:00:31.165 2535-5195 Uwb.Rangin...n@3856245] com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google.android.gms]
2023-06-14 10:00:31.166 2535-11138 NearbyUWB com.google.android.gms.persistent I (REDACTED) UWB Ranging Data from peer %s Status %s
2023-06-14 10:00:31.400 963-963 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-06-14 10:00:31.401 1386-2713 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-06-14 10:00:31.401 1386-2713 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-06-14 10:00:31.401 1386-2713 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-06-14 10:00:31.401 1386-2713 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-06-14 10:00:31.401 1386-2713 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 1, SessionId = 1, RcrIndex = 0 }
2023-06-14 10:00:31.401 1386-2713 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-06-14 10:00:31.401 2535-5195 Uwb.Rangin...n@3856245] com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google.android.gms]
2023-06-14 10:00:31.403 2535-11023 NearbyUWB com.google.android.gms.persistent I (REDACTED) UWB Ranging Data from peer %s Status %s
2023-06-14 10:00:31.641 963-963 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb

```

na...@gmail.com <na...@gmail.com> #3

Just as a follow up, we appear to have lost the ability to range to the Estimote UWB beacons from Android, but iOS is still working. Android is just seeing RangingStatus = 37 even when we try and go back to the old code that was working.

Is it possible a Play Service update has changed the UWB ranging behaviour?

rp...@google.com <rp...@google.com> #4

Is it possible a Play Service update has changed the UWB ranging behaviour?

What is the google play service version on your device? Can you attach a bugreport? There is a known change in UWB stack described [↗ here](#)


na...@gmail.com <na...@gmail.com> #5

I'm actually in the middle of the June Pixel update, so I will try again once this has finished installing.
However it was working yesterday morning, so has stopped sometime in the last 24 hours.

2023-06-13 11:23:42.081 10370-10666 MainActivity com.example.app D Estimote UWB device: 69:73 azimuth: 66.85156 elevation: 0.0 distance: 0.53

na...@gmail.com <na...@gmail.com> #6

Multicast still has no UWB tracing at all, so looks to be completely broken.
For unicast, I did a quick check to see if changing byte order made any difference and it only changed the RangingStatus from 37 to 38, whatever that means...
I wish the App actually got to see these UWB ranging status errors and they were documented somewhere, and the pretty useless (REDACTED) everywhere in the GMS UWB tracing doesn't ex

 bugreport-raven-TQ3A.230605.010-2023-06-14-19-08-34.zip
12 MB [Download](#)

rp...@google.com <rp...@google.com>

Reassigned to zi...@google.com.

na...@gmail.com <na...@gmail.com> #7

Just as a test we tried updating the 6 Pro to Android 14 Beta 3 (7 Pro still on Android 13).

Multicast still shows nothing from UWB.

For unicast we get a different error:

2023-06-20 11:31:01.328 1068-1068 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service E uci_backend_fira_ranging_start: session 1 cannot start due to aoa channel restriction

Full logcat:

2023-06-20 11:37:32.479 19801-20796 LoggingKt	com.example.app	D [nvskd] Start ranging UWB channel 5 preamble 9 devices: 69:73 30:91 C9:B3
2023-06-20 11:37:32.506 23124-23471 NearbyUWB	com.google.android.gms.persistent	I start ranging called. [CONTEXT service_id=49]
2023-06-20 11:37:32.530 23124-23471 UwbBackend	com.google.android.gms.persistent	I Opens UWB session with bundle parameters:
2023-06-20 11:37:32.531 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: aoa_result_request, value: 1
2023-06-20 11:37:32.531 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: has_ranging_control_phase, value: false
2023-06-20 11:37:32.531 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: ul_tdoa_random_window, value: 0
2023-06-20 11:37:32.531 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: range_data_ntf_proximity_near, value: 0
2023-06-20 11:37:32.531 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: is_tx_adaptive_payload_power_enabled, value: false
2023-06-20 11:37:32.531 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: is_diagnostics_enabled, value: false
2023-06-20 11:37:32.531 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: rframe_config, value: 3
2023-06-20 11:37:32.531 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: max_ranging_round_retries, value: 0
2023-06-20 11:37:32.531 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: psdu_data_rate, value: 0
2023-06-20 11:37:32.531 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: is_rssi_reporting_enabled, value: false
2023-06-20 11:37:32.531 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: fcs_type, value: 0
2023-06-20 11:37:32.531 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: range_data_ntf_aoa_elevation_lower, value: -1.5707963267948966
2023-06-20 11:37:32.532 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: range_data_ntf_aoa_elevation_upper, value: 1.5707963267948966
2023-06-20 11:37:32.532 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: device_role, value: 0
2023-06-20 11:37:32.533 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: device_type, value: 0
2023-06-20 11:37:32.533 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: block_stride_length, value: 0
2023-06-20 11:37:32.533 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: prf_mode, value: 0
2023-06-20 11:37:32.533 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: slot_duration_rstu, value: 2400
2023-06-20 11:37:32.533 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: protocol_version, value: 1.1
2023-06-20 11:37:32.533 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: slots_per_ranging_round, value: 6
2023-06-20 11:37:32.533 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: min_frames_per_rr, value: 1
2023-06-20 11:37:32.534 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: vendor_id, value: [7, 8]
2023-06-20 11:37:32.534 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: ranging_error_streak_timeout_ms, value: 30000
2023-06-20 11:37:32.534 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: ranging_interval_ms, value: 4000
2023-06-20 11:37:32.534 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: dest_address_list, value: [7598416996304158720]
2023-06-20 11:37:32.534 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: sfid_id, value: 2
2023-06-20 11:37:32.534 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: filter_type, value: 1
2023-06-20 11:37:32.534 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: num_of_msrrmt_focus_on_range, value: 0
2023-06-20 11:37:32.534 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: channel_number, value: 5
2023-06-20 11:37:32.534 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: session_priority, value: 50
2023-06-20 11:37:32.534 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: is_key_rotation_enabled, value: false
2023-06-20 11:37:32.535 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: session_type, value: 0
2023-06-20 11:37:32.535 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: ul_tdoa_tx_timestamp_type, value: 0
2023-06-20 11:37:32.535 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: sts_config, value: 0
2023-06-20 11:37:32.535 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: num_of_msrrmt_focus_on_aoa_elevation, value: 0
2023-06-20 11:37:32.535 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: in_band_termination_attempt_count, value: 3
2023-06-20 11:37:32.535 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: range_data_ntf_proximity_far, value: 20000
2023-06-20 11:37:32.535 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: bprf_phr_data_rate, value: 0
2023-06-20 11:37:32.535 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: sts_length, value: 1
2023-06-20 11:37:32.535 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: initiation_time_ms, value: 0
2023-06-20 11:37:32.535 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: aoa_type, value: 0
2023-06-20 11:37:32.535 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: has_time_of_flight_report, value: true
2023-06-20 11:37:32.535 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: has_angle_of_arrival_figure_of_merit_report, value: false
2023-06-20 11:37:32.535 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: session_key, value: null
2023-06-20 11:37:32.535 23124-23471 UwbBackend	com.google.android.gms.persistent	I UWB parameter: mtu_size, value: 1048


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2023-06-20 11:37:32.535 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: has_angle_of_arrival_azimuth_report, value: false
2023-06-20 11:37:32.536 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: mac_address_mode, value: 0
2023-06-20 11:37:32.536 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: max_number_of_measurements, value: 0
2023-06-20 11:37:32.536 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: preamble_duration, value: 1
2023-06-20 11:37:32.536 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: key_rotation_rate, value: 0
2023-06-20 11:37:32.536 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: inter_frame_interval, value: 1
2023-06-20 11:37:32.536 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: bundle_version, value: 1
2023-06-20 11:37:32.536 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: scheduled_mode, value: 1
2023-06-20 11:37:32.537 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: has_angle_of_arrival_elevation_report, value: false
2023-06-20 11:37:32.537 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: static_sts_iv, value: [1, 2, 3, 4, 5, 6]
2023-06-20 11:37:32.537 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_config, value: 1
2023-06-20 11:37:32.537 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: ranging_round_usage, value: 2
2023-06-20 11:37:32.537 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: protocol_name, value: fira
2023-06-20 11:37:32.537 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: has_control_message, value: true
2023-06-20 11:37:32.537 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: has_result_report_phase, value: true
2023-06-20 11:37:32.537 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: device_address, value: 7582091447654940672
2023-06-20 11:37:32.538 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: diagrams_frame_reports_fields_flags, value: 0
2023-06-20 11:37:32.538 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: measurement_report_type, value: 0
2023-06-20 11:37:32.538 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_device_id, value: null
2023-06-20 11:37:32.538 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: preamble_code_index, value: 9
2023-06-20 11:37:32.538 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_device_id_type, value: 0
2023-06-20 11:37:32.538 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: session_id, value: 1
2023-06-20 11:37:32.538 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_azimuth_lower, value: -3.141592653589793
2023-06-20 11:37:32.538 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_azimuth_upper, value: 3.141592653589793
2023-06-20 11:37:32.538 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: subsession_key, value: null
2023-06-20 11:37:32.538 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: multi_node_mode, value: 0
2023-06-20 11:37:32.538 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: num_of_msrmf_focus_on_aoa_azimuth, value: 0
2023-06-20 11:37:32.538 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_tx_interval, value: 2000
2023-06-20 11:37:32.538 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: hopping_mode, value: 1
2023-06-20 11:37:32.539 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: sts_segment_count, value: 1
2023-06-20 11:37:32.539 23124-23471 UwbBackend com.google.android.gms.persistent I UWB parameter: link_layer_mode, value: 0
2023-06-20 11:37:32.544 23124-23471 Uwb.Rangin...r@d70602b] com.google.android.gms.persistent V openSession - sessionHandle: SessionHandle [id=1, package-name: com.google.ar
2023-06-20 11:37:32.550 1730-6421 UwbSessionManager system_server I initSession() - sessionId: 1, sessionHandle: SessionHandle [id=1, package-name: com.google.ar
2023-06-20 11:37:32.565 1730-6421 UwbSessionManager system_server D Found a 3p app/service in the attribution source of request: android.content.AttributionSource(
2023-06-20 11:37:32.566 1730-6421 UwbSessionManager system_server D Detected start of non privileged FIRA session from android.content.AttributionSource@6cbfe48
2023-06-20 11:37:32.571 1730-23640 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-06-20 11:37:32.571 1730-4803 uwb system_server D uwb_core::uci:uci_manager: Received cmd: SendUciCommand { cmd: SessionInit { session_id: 1, sessio
2023-06-20 11:37:32.572 1068-1068 qorvo.uwb....nd_manager android.hardware.qorvo.uwb.service I uci_backend_manager_session_init: MT/GID/OID 2100 CMD
2023-06-20 11:37:32.572 1068-1068 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_init: MT/GID/OID 4100 CMD
2023-06-20 11:37:32.572 1068-1068 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 1 session_id 1
2023-06-20 11:37:32.573 1068-1068 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-06-20 11:37:32.573 1068-1068 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_init: MT/GID/OID 4100 RSP 0
2023-06-20 11:37:32.574 1068-1068 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 0 (0)
2023-06-20 11:37:32.575 1730-23640 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeG
2023-06-20 11:37:32.575 1730-4811 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-06-20 11:37:32.576 1730-4811 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-06-20 11:37:32.576 1730-4811 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 0, 0)
2023-06-20 11:37:32.576 1730-4811 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : INIT, reasonCode:0
2023-06-20 11:37:32.577 1730-23640 UwbConfManager system_server D setAppConfigurations for protocol: fira
2023-06-20 11:37:32.577 1730-23640 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-06-20 11:37:32.577 1730-4809 uwb system_server D uwb_core::uci:uci_manager: Received cmd: SendUciCommand { cmd: SessionSetAppConfig { session_tc
cfg_id: PreambleCodeIndex, v: [9] }, AppConfigTlv { cfg_id: SfdId, v: [2] }, AppConfigTlv { cfg_id: PsduDataRate, v: [0] }, AppConfigTlv { cfg_id: PreambleDuration, v: [1] }, AppConfigTlv { cfg_id: F
[1] }, AppConfigTlv { cfg_id: RangingInterval, v: [160, 15, 0, 0] }, AppConfigTlv { cfg_id: DstMacAddress, v: [105, 115] }, AppConfigTlv { cfg_id: UwbInitiationTime, v: [0, 0, 0, 0] }, AppConfigTlv { c
2023-06-20 11:37:32.577 1068-1068 qorvo.uwb....nd_manager android.hardware.qorvo.uwb.service I uci_backend_manager_session_set_app_config: MT/GID/OID 2103 CMD
2023-06-20 11:37:32.577 1068-1068 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: MT/GID/OID 4103 CMD
2023-06-20 11:37:32.577 1068-1068 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: session_id=1
2023-06-20 11:37:32.577 1068-1068 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-06-20 11:37:32.578 1068-1068 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_n_lcb
2023-06-20 11:37:32.578 1068-1068 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-06-20 11:37:32.578 1068-1068 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: mac_state=3
2023-06-20 11:37:32.578 1068-1068 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: uci_state=0
2023-06-20 11:37:32.578 1068-1068 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-06-20 11:37:32.578 1068-1068 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-06-20 11:37:32.578 1068-1068 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_n_lcb
2023-06-20 11:37:32.578 1068-1068 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-06-20 11:37:32.578 1068-1068 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: mac_state=3
2023-06-20 11:37:32.578 1068-1068 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 9 session_id 1
2023-06-20 11:37:32.579 1068-1068 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_n_lcb
2023-06-20 11:37:32.579 1068-1068 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-06-20 11:37:32.579 1068-1068 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 5 session_id 1
2023-06-20 11:37:32.579 1068-1068 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-06-20 11:37:32.579 1068-1068 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: MT/GID/OID 4103 RSP 0
2023-06-20 11:37:32.579 1068-1068 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 3 (0)
2023-06-20 11:37:32.580 1730-4811 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-06-20 11:37:32.580 1730-23640 UwbConfManager system_server I setAppConfigurations respData: UwbConfigStatusData { status = 0 length = 0, tlvs = [] }
2023-06-20 11:37:32.580 1730-4811 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-06-20 11:37:32.580 1730-4811 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 3, 0)
2023-06-20 11:37:32.580 1730-4811 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : IDLE, reasonCode:0
2023-06-20 11:37:32.580 1730-23640 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingOpened
2023-06-20 11:37:32.581 1730-3636 UwbSessionManager system_server I sessionInit() : finish - sessionId : 1
2023-06-20 11:37:32.581 23124-23137 Uwb.Rangin...n@3991235] com.google.android.gms.persistent V onRangingOpened - sessionHandle: SessionHandle [id=1, package-name: com.goc
2023-06-20 11:37:32.584 23124-23471 Uwb.Rangin...n@3991235] com.google.android.gms.persistent V start - sessionHandle: SessionHandle [id=1, package-name: com.google.android.g
2023-06-20 11:37:32.584 1730-6421 UwbSessionManager system_server I startRanging() - sessionId: 1, sessionHandle: SessionHandle [id=1, package-name: com.google.
2023-06-20 11:37:32.585 1730-23642 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeR
2023-06-20 11:37:32.585 1730-4803 uwb system_server D uwb_core::uci:uci_manager: Received cmd: SendUciCommand { cmd: SessionStart { session_token: 1 } }
2023-06-20 11:37:32.586 1068-1068 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_start: MT/GID/OID 4200 CMD
```

```

2023-06-20 11:37:32.586 1068-1068 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-06-20 11:37:32.586 1068-1068 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nLcb
2023-06-20 11:37:32.586 1068-1068 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-06-20 11:37:32.586 1068-1068 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-06-20 11:37:32.586 1068-1068 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service E uci_backend_fira_ranging_start: session 1 cannot start due to aoa channel restriction
2023-06-20 11:37:32.586 1068-1068 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_start: MT/GID/OID 4200 RSP 2
2023-06-20 11:37:32.586 1730-23642 uwb system_server E uwb_uci_jni_rust::helper: Java_com_android_server_uwb_jni_NativeUwbManager_nativeRangingStart fai
2023-06-20 11:37:32.587 1730-23642 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingStartFailed
2023-06-20 11:37:32.587 23124-23137 Uwb.Rangin...n@3991235 com.google.android.gms.persistent V onRangingStartFailed - sessionHandle: SessionHandle [id=1, package-name: com.
2023-06-20 11:37:32.587 23124-23173 Uwb.Rangin...n@3991235 com.google.android.gms.persistent V close - sessionHandle: SessionHandle [id=1, package-name: com.google.android.ç
2023-06-20 11:37:32.588 23124-23224 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Suspended: %s reason code (%s)
2023-06-20 11:37:32.588 1730-6421 UwbSessionManager system_server I deinitSession() - sessionId: 1, sessionHandle: SessionHandle [id=1, package-name: com.google.
2023-06-20 11:37:32.589 1730-23643 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-06-20 11:37:32.589 1730-4803 uwb system_server D uwb_core::uci:uci_manager: Received cmd: SendUciCommand { cmd: SessionDeinit { session_token: 1 }
2023-06-20 11:37:32.590 1068-1068 qorvo.uwb....nd_manager android.hardware.qorvo.uwb.service I uci_backend_manager_session_deinit: MT/GID/OID 2101 CMD
2023-06-20 11:37:32.590 1068-1068 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_deinit: MT/GID/OID 4101 CMD
2023-06-20 11:37:32.590 1068-1068 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-06-20 11:37:32.590 1068-1068 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nLcb
2023-06-20 11:37:32.590 1068-1068 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-06-20 11:37:32.590 1068-1068 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 4 session_id 1
2023-06-20 11:37:32.590 1068-1068 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-06-20 11:37:32.590 1068-1068 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_deinit: MT/GID/OID 4101 RSP 0
2023-06-20 11:37:32.590 1068-1068 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 1 (0)
2023-06-20 11:37:32.590 1730-4811 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-06-20 11:37:32.590 1730-4811 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-06-20 11:37:32.590 1730-4811 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 1, 0)
2023-06-20 11:37:32.590 1730-4811 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : DEINIT, reasonCode:0
2023-06-20 11:37:32.590 1730-23643 UwbSessionManager system_server I onRangingClosed - status : 0
2023-06-20 11:37:32.591 1730-23643 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingClosed
2023-06-20 11:37:32.591 19801-19944 LoggingKt com.example.app E [nvsdk] UWB Peer disconnected: androidx.core.uwb.RangingResult$RangingResultPeerDisconnect
2023-06-20 11:37:32.592 23124-23137 Uwb.Rangin...n@3991235 com.google.android.gms.persistent V onRangingClosed - sessionHandle: SessionHandle [id=1, package-name: com.goo
2023-06-20 11:37:32.593 23124-23173 AndroidRuntime com.google.android.gms.persistent E FATAL EXCEPTION: pool-23-thread-1
Process: com.google.android.gms.persistent, PID: 23124
java.lang.IllegalStateException: Calling complete() without active operation.
at bzj.a:(com.google.android.gms@232116044@23.21.16 (190400-538318806):1)
at bzz.onClosed:(com.google.android.gms@232116044@23.21.16 (190400-538318806):0)
at android.uwb.RangingSession.lambda$onRangingClosed$9(RangingSession.java:921)
at android.uwb.RangingSession.$r8$lambda$DDOTLsKy6gNugamCNL6CoRDwYfM(Unknown Source:0)
at android.uwb.RangingSession$$ExternalSyntheticLambda21.run(Unknown Source:6)
at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1145)
at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:644)
at java.lang.Thread.run(Thread.java:1012)
2023-06-20 11:37:32.594 19801-19944 LoggingKt com.example.app D [nvsdk] diagnostic event: UwbRangingDisconnectedEvent(deviceAddress=69:39, timestampMillis=
2023-06-20 11:37:32.594 19801-19944 MainActivity com.example.app D UWB Peer disconnected: 69:39

```

na...@gmail.com <na...@gmail.com> #8

As Android 14 Beta just stopped responding to the UWB initialisation call:
clientSession = uwb.controleeSessionScope()

I had to turn off UWB and back on again in settings.

This is the UWB tracing when UWB is enabled again, which appears to show that UWB channel 5 and 9 are being configured. As the app is trying to use channel 5 for the Estimote beacons, it
uci_backend_fira_ranging_start: session 1 cannot start due to aoa channel restriction

Full UWB logcat:

```

2023-06-21 10:46:55.722 1725-2280 UwbServiceCore system_server I Initialization start ...
2023-06-21 10:46:55.725 1725-2280 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeDis
2023-06-21 10:46:55.725 1725-2280 uwb system_server E uwb_uci_jni_rust::dispatcher: UCI JNI: Dispatcher already exists when trying to create.
2023-06-21 10:46:55.726 1725-2280 uwb system_server E uwb_uci_jni_rust::helper: Java_com_android_server_uwb_jni_NativeUwbManager_nativeDispatcherNew f
2023-06-21 10:46:55.726 1725-2280 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeDo
2023-06-21 10:46:55.726 1725-3320 uwb system_server D uwb_core::uci:uci_manager: Received cmd: OpenHal
2023-06-21 10:46:55.731 1240-1240 qorvo.uwb.hal.Config android.hardware.qorvo.uwb.service I Load calibration for country : GB
2023-06-21 10:46:55.732 1240-1240 qorvo.uwb.ConfigUtils android.hardware.qorvo.uwb.service I LoadConfigForCountry: load config from /vendor/etc/uwb/UWB-calibration.conf
2023-06-21 10:46:55.732 1240-1240 qorvo.uwb.ConfigUtils android.hardware.qorvo.uwb.service I LoadConfigForCountry: trying to load config from /vendor/etc/uwb/UWB-calibration-gb
2023-06-21 10:46:55.733 1240-1240 qorvo.uwb.ConfigUtils android.hardware.qorvo.uwb.service I LoadConfigForCountry: load config from /data/vendor/uwb/factory_uwb.conf
2023-06-21 10:46:55.733 1240-1240 qorvo.uwb.ConfigUtils android.hardware.qorvo.uwb.service I ConsumeProperties: new value for key [HAL]aoa_restricted_channels 32
2023-06-21 10:46:55.733 1240-1240 qorvo.uwb.ConfigUtils android.hardware.qorvo.uwb.service I ReadAndStore: new value for key [HAL]aoa_capability 1
2023-06-21 10:46:55.733 1240-1240 qorvo.uwb.ConfigUtils android.hardware.qorvo.uwb.service I ReadAndStore: new value for key [HAL]ant_sets.ch5.range.rx_ant_set_nonranging 6
2023-06-21 10:46:55.733 1240-1240 qorvo.uwb.ConfigUtils android.hardware.qorvo.uwb.service I ReadAndStore: new value for key [HAL]ant_sets.ch5.range.rx_ant_set_ranging 6
2023-06-21 10:46:55.733 1240-1240 qorvo.uwb.ConfigUtils android.hardware.qorvo.uwb.service I ReadAndStore: new value for key [HAL]ant_sets.ch5.range.tx_ant_set_nonranging 6
2023-06-21 10:46:55.733 1240-1240 qorvo.uwb.ConfigUtils android.hardware.qorvo.uwb.service I ReadAndStore: new value for key [HAL]ant_sets.ch5.range.tx_ant_set_ranging 6
2023-06-21 10:46:55.733 1240-1240 qorvo.uwb.ConfigUtils android.hardware.qorvo.uwb.service I ReadAndStore: new value for key [HAL]ant_sets.ch5.azimuth.rx_ant_set_nonranging 4
2023-06-21 10:46:55.733 1240-1240 qorvo.uwb.ConfigUtils android.hardware.qorvo.uwb.service I ReadAndStore: new value for key [HAL]ant_sets.ch5.azimuth.rx_ant_set_ranging 4
2023-06-21 10:46:55.733 1240-1240 qorvo.uwb.ConfigUtils android.hardware.qorvo.uwb.service I ReadAndStore: new value for key [HAL]ant_sets.ch5.azimuth.tx_ant_set_ranging 4
2023-06-21 10:46:55.733 1240-1240 qorvo.uwb.ConfigUtils android.hardware.qorvo.uwb.service I ReadAndStore: new value for key [HAL]ant_sets.ch5.elevation.rx_ant_set_nonranging 6
2023-06-21 10:46:55.734 1240-1240 qorvo.uwb.ConfigUtils android.hardware.qorvo.uwb.service I ReadAndStore: new value for key [HAL]ant_sets.ch5.elevation.rx_ant_set_ranging 1
2023-06-21 10:46:55.734 1240-1240 qorvo.uwb.ConfigUtils android.hardware.qorvo.uwb.service I ReadAndStore: new value for key [HAL]ant_sets.ch5.azimuth.elevation.tx_ant_set_nonranging 0
2023-06-21 10:46:55.734 1240-1240 qorvo.uwb.ConfigUtils android.hardware.qorvo.uwb.service I ReadAndStore: new value for key [HAL]ant_sets.ch5.elevation.tx_ant_set_ranging 0
2023-06-21 10:46:55.734 1240-1240 qorvo.uwb.ConfigUtils android.hardware.qorvo.uwb.service I ReadAndStore Did not find [HAL]ant_sets.ch5.azimuth.elevation.rx_ant_set_nonranging
2023-06-21 10:46:55.734 1240-1240 qorvo.uwb.ConfigUtils android.hardware.qorvo.uwb.service I ReadAndStore Did not find [HAL]ant_sets.ch5.azimuth.elevation.rx_ant_set_ranging_ele
2023-06-21 10:46:55.734 1240-1240 qorvo.uwb.ConfigUtils android.hardware.qorvo.uwb.service I ReadAndStore Did not find [HAL]ant_sets.ch5.azimuth.elevation.tx_ant_set_nonranging
2023-06-21 10:46:55.734 1240-1240 qorvo.uwb.ConfigUtils android.hardware.qorvo.uwb.service I ReadAndStore Did not find [HAL]ant_sets.ch5.azimuth.elevation.tx_ant_set_ranging in c
2023-06-21 10:46:55.734 1240-1240 qorvo.uwb.ConfigUtils android.hardware.qorvo.uwb.service I ReadAndStore: new value for key [HAL]ant_sets.ch9.range.rx_ant_set_nonranging 6
2023-06-21 10:46:55.734 1240-1240 qorvo.uwb.ConfigUtils android.hardware.qorvo.uwb.service I ReadAndStore: new value for key [HAL]ant_sets.ch9.range.rx_ant_set_ranging 6

```

2023-06-21	10:46:55.734	1240-1240	qorvo.uwb.ConfigUtils	android.hardware.qorvo.uwb.service	I ReadAndStore: new value for key [HAL]ant_sets.ch9.range.tx_ant_set_nonranging 6
2023-06-21	10:46:55.734	1240-1240	qorvo.uwb.ConfigUtils	android.hardware.qorvo.uwb.service	I ReadAndStore: new value for key [HAL]ant_sets.ch9.range.tx_ant_set_ranging 6
2023-06-21	10:46:55.734	1240-1240	qorvo.uwb.ConfigUtils	android.hardware.qorvo.uwb.service	I ReadAndStore: new value for key [HAL]ant_sets.ch9.azimuth.rx_ant_set_nonranging 4
2023-06-21	10:46:55.734	1240-1240	qorvo.uwb.ConfigUtils	android.hardware.qorvo.uwb.service	I ReadAndStore: new value for key [HAL]ant_sets.ch9.azimuth.tx_ant_set_ranging 4
2023-06-21	10:46:55.734	1240-1240	qorvo.uwb.ConfigUtils	android.hardware.qorvo.uwb.service	I ReadAndStore: new value for key [HAL]ant_sets.ch9.azimuth.tx_ant_set_nonranging 8
2023-06-21	10:46:55.734	1240-1240	qorvo.uwb.ConfigUtils	android.hardware.qorvo.uwb.service	I ReadAndStore: new value for key [HAL]ant_sets.ch9.azimuth.tx_ant_set_ranging 8
2023-06-21	10:46:55.734	1240-1240	qorvo.uwb.ConfigUtils	android.hardware.qorvo.uwb.service	I ReadAndStore: new value for key [HAL]ant_sets.ch9.elevation.rx_ant_set_nonranging 6
2023-06-21	10:46:55.734	1240-1240	qorvo.uwb.ConfigUtils	android.hardware.qorvo.uwb.service	I ReadAndStore: new value for key [HAL]ant_sets.ch9.elevation.tx_ant_set_ranging 1
2023-06-21	10:46:55.734	1240-1240	qorvo.uwb.ConfigUtils	android.hardware.qorvo.uwb.service	I ReadAndStore: new value for key [HAL]ant_sets.ch9.elevation.tx_ant_set_nonranging 0
2023-06-21	10:46:55.734	1240-1240	qorvo.uwb.ConfigUtils	android.hardware.qorvo.uwb.service	I ReadAndStore: new value for key [HAL]ant_sets.ch9.elevation.tx_ant_set_ranging 0
2023-06-21	10:46:55.734	1240-1240	qorvo.uwb.ConfigUtils	android.hardware.qorvo.uwb.service	I ReadAndStore Did not find [HAL]ant_sets.ch9.azimuth_elevation.rx_ant_set_nonranging
2023-06-21	10:46:55.734	1240-1240	qorvo.uwb.ConfigUtils	android.hardware.qorvo.uwb.service	I ReadAndStore Did not find [HAL]ant_sets.ch9.azimuth_elevation.tx_ant_set_ranging_ele
2023-06-21	10:46:55.734	1240-1240	qorvo.uwb.ConfigUtils	android.hardware.qorvo.uwb.service	I ReadAndStore Did not find [HAL]ant_sets.ch9.azimuth_elevation.rx_ant_set_ranging_az
2023-06-21	10:46:55.734	1240-1240	qorvo.uwb.ConfigUtils	android.hardware.qorvo.uwb.service	I ReadAndStore Did not find [HAL]ant_sets.ch9.azimuth_elevation.tx_ant_set_nonranging
2023-06-21	10:46:55.734	1240-1240	qorvo.uwb.ConfigUtils	android.hardware.qorvo.uwb.service	I ReadAndStore Did not find [HAL]ant_sets.ch9.azimuth_elevation.tx_ant_set_ranging in
2023-06-21	10:46:55.734	1240-1240	qorvo.uwb.ConfigUtils	android.hardware.qorvo.uwb.service	I ReadAndStore Did not find [HAL]se_reader_name in config, keep existing value eSE1
2023-06-21	10:46:55.734	1240-1240	qorvo.uwb.ConfigUtils	android.hardware.qorvo.uwb.service	I ReadAndStore Did not find [HAL]ccc_enabled in config: , keep existing value 1
2023-06-21	10:46:55.734	1240-1240	qorvo.uwb.hal.UwbChip	android.hardware.qorvo.uwb.service	I openBackends: CCC is enabled from calibration
2023-06-21	10:46:55.734	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I uwbmac_list_mcps_devices
2023-06-21	10:46:55.735	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I uwbmac_parse_mcps_device_info
2023-06-21	10:46:55.735	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I uwbmac_parse_mcps_device_info: device: phy_name=phy0
2023-06-21	10:46:55.735	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I finish_handler
2023-06-21	10:46:55.735	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I uwbmac_list_net_devices
2023-06-21	10:46:55.735	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I uwbmac_parse_net_device_info
2023-06-21	10:46:55.735	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I uwbmac_parse_net_device_info: Found device: if_name=wpan0
2023-06-21	10:46:55.735	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I finish_handler
2023-06-21	10:46:55.735	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I uwbmac_get_spi_pids
2023-06-21	10:46:55.735	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I uwbmac_call_calibration for key spi_pid
2023-06-21	10:46:55.735	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I uwbmac_parse_calib_info
2023-06-21	10:46:55.735	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I ack_handler
2023-06-21	10:46:55.736	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I uwbmac_call_calibration for key dw3000_pid
2023-06-21	10:46:55.736	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I uwbmac_parse_calib_info
2023-06-21	10:46:55.736	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I ack_handler
2023-06-21	10:46:55.736	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I uwbmac_init_device: pids.spi=216; pids.dw3000_spi=1681
2023-06-21	10:46:55.736	1240-1240	qorvo.uwb.uci	android.hardware.qorvo.uwb.service W	uci_message_handlers_register: Mixed GID in table ([2]2 != [0]1)!!!
2023-06-21	10:46:55.736	1240-1240	qorvo.uwb.uci	android.hardware.qorvo.uwb.service W	This won't be allowed in future to allow search optimization.
2023-06-21	10:46:55.736	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I ack_handler
2023-06-21	10:46:55.736	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I ack_handler
2023-06-21	10:46:55.736	1240-1240	qorvo.uwb....endAndroid	android.hardware.qorvo.uwb.service	I hardware:qorvo::UciBackendAndroid::UciBackendAndroid(struct uci *, std::function<vc
2023-06-21	10:46:55.736	1240-1240	qorvo.uwb.hal.Config	android.hardware.qorvo.uwb.service	I IsUwbDisabled: value for 'restricted_channels': 0x0
2023-06-21	10:46:55.737	1240-1240	qorvo.uwb.hal.Config	android.hardware.qorvo.uwb.service	I SendCalibration: send conf for keyalternate_pulse_shape, with value (0)
2023-06-21	10:46:55.737	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I uwbmac_call_calibration for key alternate_pulse_shape
2023-06-21	10:46:55.737	1240-1240	q		

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[illegible]

[illegible]

2023-06-21	10:46:55.766	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I uwbmac_parse_calib_info
2023-06-21	10:46:55.766	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I ack_handler
2023-06-21	10:46:55.766	1240-1240	qorvo.uwb.hal.Config	android.hardware.qorvo.uwb.service	I SendCalibration: send conf for keyrestricted_channels, with value (0)
2023-06-21	10:46:55.766	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I uwbmac_call_calibration for key restricted_channels
2023-06-21	10:46:55.767	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I uwbmac_parse_calib_info
2023-06-21	10:46:55.766	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I ack_handler
2023-06-21	10:46:55.767	1240-1240	qorvo.uwb.hal.Config	android.hardware.qorvo.uwb.service	I SendCalibration: send conf for keysmart_tx_power, with value (1)
2023-06-21	10:46:55.767	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I uwbmac_call_calibration for key smart_tx_power
2023-06-21	10:46:55.766	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I uwbmac_parse_calib_info
2023-06-21	10:46:55.767	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I ack_handler
2023-06-21	10:46:55.767	1240-1240	qorvo.uwb.hal.Config	android.hardware.qorvo.uwb.service	I SendCalibration: send conf for keytemperature_reference, with value (85)
2023-06-21	10:46:55.767	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I uwbmac_call_calibration for key temperature_reference
2023-06-21	10:46:55.767	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I uwbmac_parse_calib_info
2023-06-21	10:46:55.767	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I ack_handler
2023-06-21	10:46:55.767	1240-1240	qorvo.uwb.hal.Config	android.hardware.qorvo.uwb.service	I SendCalibration: send conf for keyxtal_trim, with value (32)
2023-06-21	10:46:55.767	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I uwbmac_call_calibration for key xtal_trim
2023-06-21	10:46:55.767	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I uwbmac_parse_calib_info
2023-06-21	10:46:55.767	1240-1240	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I ack_handler
2023-06-21	10:46:55.767	1240-1240	qorvo.uwb.hal.UwbMac	android.hardware.qorvo.uwb.service	I hardware::qorvo::NfccCoex::NfccCoex(struct uwbmac_context *, struct uci_backend_c
2023-06-21	10:46:55.767	1240-1240	qorvo.uwb....AndroidCCC	android.hardware.qorvo.uwb.service	I UciBackendAndroidCCC
2023-06-21	10:46:55.769	1240-1240	qorvo.uwb....AndroidCCC	android.hardware.qorvo.uwb.service	I Init
2023-06-21	10:46:55.767	1240-1240	qorvo.uwb.hal.UwbMac	android.hardware.qorvo.uwb.service	I int hardware::qorvo::NfccCoex::Init() helper_open
2023-06-21	10:46:55.767	1240-1240	qorvo.uwb....cCallbacks	android.hardware.qorvo.uwb.service	I setBackend Set service to backend
2023-06-21	10:46:55.767	1240-1240	qorvo.uwb....AndroidCCC	android.hardware.qorvo.uwb.service	I SetController
2023-06-21	10:46:55.769	1240-1240	qorvo.uwb....AndroidCCC	android.hardware.qorvo.uwb.service	I SendCccConfig: Sending CCC config to vendor service
2023-06-21	10:46:55.767	1240-1240	qorvo.uwb....AndroidCCC	android.hardware.qorvo.uwb.service	I NotifyControllerInitialized
2023-06-21	10:46:55.767	1240-1240	qorvo.uwb.hal.UwbChip	android.hardware.qorvo.uwb.service	I OnServiceInitialized
2023-06-21	10:46:55.768	1240-1240	qorvo.uwb.hal.UwbChip	android.hardware.qorvo.uwb.service	I NotifyHalReady Sending POST_INIT_CPLT
2023-06-21	10:46:55.769	1240-1240	qorvo.uwb....cConnector	android.hardware.qorvo.uwb.service	I Controller is already initialized
2023-06-21	10:46:55.768	4347-4550	UwbVendorService	com.qorvo.uwb.vendorservice	D ConfigManager: Setting config to Config{readerName='eSE1'}
2023-06-21	10:46:55.769	1725-3320	uwb	system_server	D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: CoreGetDeviceInfo }
2023-06-21	10:46:55.769	1725-3325	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: core notification callback.
2023-06-21	10:46:55.769	1725-3325	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onDeviceStatusNotificationReceived
2023-06-21	10:46:55.769	1240-1240	qorvo.uwb....nd_manager	android.hardware.qorvo.uwb.service	I uci_backend_manager_core_get_device_info: MT/GID/OID 2002 CMD
2023-06-21	10:46:55.769	1240-1240	qorvo.uwb....nd_manager	android.hardware.qorvo.uwb.service	I uci_backend_manager_core_get_device_info: MT/GID/OID 4002 RSP 0
2023-06-21	10:46:55.769	1725-3325	NativeUwbManager	system_server	D onDeviceStatusNotificationReceived(1, default)
2023-06-21	10:46:55.770	1725-3325	UwbServiceCore	system_server	D onDeviceStatusNotificationReceived(): deviceState = 1, current country code = GB
2023-06-21	10:46:55.769	1725-3325	UwbServiceCore	system_server	I updateDeviceState(): deviceState = READY, current internal adapter state = 0
2023-06-21	10:46:55.769	1725-3325	UwbServiceCore	system_server	D updateState(): state=1, chipId=default
2023-06-21	10:46:55.769	1725-3325	UwbServiceCore	system_server	D chipIdToStateMap = {default=1}
2023-06-21	10:46:55.770	1725-3325	uwb	system_server	D uwb_core::uci::uci_manager: UCI device info: Ok(GetDeviceInfoResponse { uci_version: 4097, mac_versio
2023-06-21	10:46:55.770	1725-3325	UwbServiceCore	system_server	D notifyAdapterState(): adapterState = 1, reason = 3
2023-06-21	10:46:55.770	1725-2280	uwb	system_server	D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-06-21	10:46:55.770	1725-2280	uwb	system_server	D uwb_uci_jni_rust::uci_jni_android_new: UCI log: log started in disabled mode
2023-06-21	10:46:55.770	1725-3318	uwb	system_server	D uwb_core::uci::uci_manager: Received cmd: SetLoggerMode { logger_mode: Disabled }
2023-06-21	10:46:55.770	1725-2280	UwbServiceCore	system_server	I Initialization success
2023-06-21	10:46:55.770	1725-3325	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: core notification callback.
2023-06-21	10:46:55.770	1725-3325	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onDeviceStatusNotificationReceived
2023-06-21	10:46:55.770	1725-2280	UwbServiceCore	system_server	D enabling chip default
2023-06-21	10:46:55.770	1725-2280	UwbServiceCore	system_server	I updateDeviceState(): deviceState = READY, current internal adapter state = 1
2023-06-21	10:46:55.770	1725-2280	UwbServiceCore	system_server	D updateState(): state=1, chipId=default
2023-06-21	10:46:55.770	1725-3325	NativeUwbManager	system_server	D onDeviceStatusNotificationReceived(1, default)
2023-06-21	10:46:55.770	1725-3325	UwbServiceCore	system_server	D onDeviceStatusNotificationReceived(): deviceState = 1, current country code = GB
2023-06-21	10:46:55.774	1725-2280	UwbServiceCore	system_server	D chipIdToStateMap = {default=1}
2023-06-21	10:46:55.774	1725-2280	UwbCountryCode	system_server	D setCountryCode to GB
2023-06-21	10:46:55.774	1725-3325	UwbServiceCore	system_server	I updateDeviceState(): deviceState = READY, current internal adapter state = 1
2023-06-21	10:46:55.774	1725-2280	NativeUwbManager	system_server	I setCountryCode: GB
2023-06-21	10:46:55.774	1725-3325	UwbServiceCore	system_server	D updateState(): state=1, chipId=default
2023-06-21	10:46:55.774	1725-2280	uwb	system_server	D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-06-21	10:46:55.774	1725-3325	UwbServiceCore	system_server	D chipIdToStateMap = {default=1}
2023-06-21	10:46:55.774	1725-2280	uwb	system_server	D uwb_uci_jni_rust::uci_jni_android_new: Country code: [71, 66]
2023-06-21	10:46:55.774	1725-3318	uwb	system_server	D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: AndroidSetCountryCode { country,
2023-06-21	10:46:55.774	1240-1240	qorvo.uwb....endAndroid	android.hardware.qorvo.uwb.service	I SetCountryCode: MT/GID/OID 2c01 CMD
2023-06-21	10:46:55.775	1240-1240	qorvo.uwb....endAndroid	android.hardware.qorvo.uwb.service	I SetCountryCode: set country code 'GB'
2023-06-21	10:46:55.775	1240-1240	qorvo.uwb.ConfigUtils	android.hardware.qorvo.uwb.service	I LoadConfigForCountry: load config from /vendor/etc/uwb/UWB-calibration.conf
2023-06-21	10:46:55.775	1240-1240	qorvo.uwb.ConfigUtils	android.hardware.qorvo.uwb.service	I LoadConfigForCountry: trying to load config from /vendor/etc/uwb/UWB-calibration-gb
2023-06-21	10:46:55.776	1240-1240	qorvo.uwb.ConfigUtils	android.hardware.qorvo.uwb.service	I LoadConfigForCountry: load config from /data/vendor/uwb/factory_uwb.conf
2023-06-21	10:46:55.776	1240-1240	qorvo.uwb.ConfigUtils	android.hardware.qorvo.uwb.service	I LoadConfigForCountry: load config from /vendor/etc/uwb/UWB-calibration.conf
2023-06-21	10:46:55.776	1240-1240	qorvo.uwb.ConfigUtils	android.hardware.qorvo.uwb.service	I LoadConfigForCountry: trying to load config from /vendor/etc/uwb/UWB-calibration-gb
2023-06-21	10:46:55.777	1240-1240	qorvo.uwb.ConfigUtils	android.hardware.qorvo.uwb.service	I LoadConfigForCountry: load config from /data/vendor/uwb/factory_uwb.conf
2023-06-21	10:46:55.777	1240-1240	qorvo.uwb.hal.UwbChip	android.hardware.qorvo.uwb.service	I onSetCountryCode: Calibration are identical
2023-06-21	10:46:55.777	1240-1240	qorvo.uwb.hal.UwbChip	android.hardware.qorvo.uwb.service	I onSetCountryCode: No reset needed
2023-06-21	10:46:55.777	1240-1240	qorvo.uwb....endAndroid	android.hardware.qorvo.uwb.service	I OnSetCountryCodeDone: MT/GID/OID 4c01 RSP 0
2023-06-21	10:46:55.778	1725-2280	UwbServiceCore	system_server	I Received onCountryCodeChanged() with countryCode = GB
2023-06-21	10:46:55.778	1725-2280	UwbServiceCore	system_server	D Resetting cached specifications
2023-06-21	10:46:55.778	1725-2280	UwbServiceCore	system_server	I Current country code = GB

zi...@google.com <zi...@google.com> #9

Hi,

Channel 5 has been restricted for AoA on all Pixel phones except Pixel 6 pro. Can you try Channel 9 to see whether it works?

na...@gmail.com <na...@gmail.com> #10

Just to be clear, this was running on a Pixel 6 Pro, so from what you are saying, channel 5 should have worked.

Unfortunately we can't switch to channel 9, as the Estimote beacon firmware that supports Android UWB ranging is hard coded to run as a Controller set to channel 5 (phone is controllee). We will ask Estimote for updated firmware.

Running with it set to channel 9 just gives us a ranging error with status set to 33, whatever that means...

```
2023-06-22 08:54:22.756 1666-2997 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-06-22 08:54:22.756 1666-2997 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-06-22 08:54:22.756 1666-2997 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 2, SessionId = 1, RcrIndica
2023-06-22 08:54:22.757 1666-2997 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-06-22 08:54:22.758 2850-4505 Uwb.Rangin...n@c14eb11] com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
```

Presumably the channel 5 restriction only applies to the Android 14 Beta though?

Message last modified on Jun 22, 2023 06:00PM

zi...@google.com <zi...@google.com> [#11](#)

Presumably the channel 5 restriction only applies to the Android 14 Beta though?

Yes, the channel 5 restriction will only be applied to Android 14.

Do you still get status 37 for Android 14 Beta? It will be more helpful if you attach bugreport generated from the result in comment#10

na...@gmail.com <na...@gmail.com> [#12](#)

Sorry for the delay in responding, as I was on holiday.

We don't get any ranging errors on Android 14 on the 6 Pro when we try and use the hard coded channel 5 that the Estimote beacon firmware currently requires.


We get a peer disconnect after the channel restriction error:

```
2023-07-03 10:15:22.486 1623-24667 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-03 10:15:22.486 1623-27102 UwbConfManager system_server I setAppConfigurations respData: UwbConfigStatusData { status = 0 length = 0, tlvs = [] }
2023-07-03 10:15:22.486 1623-24667 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-07-03 10:15:22.486 1623-24667 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 3, 0)
2023-07-03 10:15:22.486 1623-24667 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : IDLE, reasonCode:0
2023-07-03 10:15:22.486 1623-27102 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingOpened
2023-07-03 10:15:22.486 1623-2033 UwbSessionManager system_server I sessionInit() : finish - sessionId : 1
2023-07-03 10:15:22.486 26265-26378 Uwb.Rangin...n@f655c4a] com.google.android.gms.persistent V onRangingOpened - sessionHandle: SessionHandle [id=1, package-name: com.goo
2023-07-03 10:15:22.487 26265-26968 Uwb.Rangin...n@f655c4a] com.google.android.gms.persistent V start - sessionHandle: SessionHandle [id=1, package-name: com.google.android.gr
2023-07-03 10:15:22.488 1623-3186 UwbSessionManager system_server I startRanging() - sessionId: 1, sessionHandle: SessionHandle [id=1, package-name: com.google.
2023-07-03 10:15:22.491 1623-27104 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeR
2023-07-03 10:15:22.492 1623-24663 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionStart { session_token: 1 }
2023-07-03 10:15:22.492 984-984 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_start: MT/GID/OID 4200 CMD
2023-07-03 10:15:22.492 984-984 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-07-03 10:15:22.492 984-984 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-03 10:15:22.492 984-984 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-03 10:15:22.492 984-984 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-03 10:15:22.492 984-984 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-03 10:15:22.492 984-984 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service E uci_backend_fira_ranging_start: session 1 cannot start due to aoa channel restriction
2023-07-03 10:15:22.492 984-984 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_start: MT/GID/OID 4200 RSP 2
2023-07-03 10:15:22.492 1623-27104 uwb system_server E uwb_uci_jni_rust::helper: Java_com_android_server_uwb_jni_NativeUwbManager_nativeRangingStart fai
2023-07-03 10:15:22.492 1623-27104 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingStartFailed
2023-07-03 10:15:22.492 26265-26378 Uwb.Rangin...n@f655c4a] com.google.android.gms.persistent V onRangingStartFailed - sessionHandle: SessionHandle [id=1, package-name: com.g
2023-07-03 10:15:22.493 26265-26332 Uwb.Rangin...n@f655c4a] com.google.android.gms.persistent V close - sessionHandle: SessionHandle [id=1, package-name: com.google.android.g
2023-07-03 10:15:22.493 1623-3186 UwbSessionManager system_server I deinitSession() - sessionId: 1, sessionHandle: SessionHandle [id=1, package-name: com.google.
2023-07-03 10:15:22.494 26265-26384 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Suspended: %s reason code (%s)
2023-07-03 10:15:22.495 25506-25657 LoggingKt com.example.app E [nvsdk] UWB Peer disconnected: androidx.core.uwb.RangingResult$RangingResultPeerDisconnect
2023-07-03 10:15:22.498 25506-25657 LoggingKt com.example.app D [nvsdk] diagnostic event: UwbRangingDisconnectedEvent(deviceAddress=39:13, timestampMillis=
2023-07-03 10:15:22.498 25506-25657 MainActivity com.example.app D UWB Peer disconnected: 39:13
```

This is not for multicast, as we see nothing for a multicast, so it is trying to create multiple unicast sessions.

The attached bugreport is for the app running on channel 5 for the Pixel 6 Pro running the latest Android 14 Beta.

I can do a bug report for multicast if you want?

 [bugreport-raven_beta-UPB3.230519.014-2023-07-03-10-15-56.zip](#)
14 MB [Download](#)

zi...@google.com <zi...@google.com> [#13](#)

Hi,

Sorry for the misleading message in comment#9. I double checked and the fact is that from Android 14, all the pixel devices only support AoA on channel 9.

So please update the firmware to restrict it to channel 9, or use the Android 13 for now.

na...@gmail.com <na...@gmail.com> [#14](#)

While waiting for new Estimote firmware to change from channel 5 to 9, I have tried Android 13 again.

This was on a Pixel Fold running the June security update and a Pixel 7 Pro running the July update.

Both are failing with the RangingStatus = 37.

I haven't done a bug report for the Fold, but have attached one for the 7 Pro.

Fold:

```
----- beginning of kernel
----- beginning of system
----- beginning of main
2023-07-07 10:15:24.859 21673-21731 PrefCtrlListHelper com.android.settings D Could not find Context-only controller for pref: com.android.settings.uwb.UwbPreferenceContr
2023-07-07 10:15:25.449 21673-21732 PrefCtrlListHelper com.android.settings D Could not find Context-only controller for pref: com.android.settings.uwb.UwbPreferenceContr
2023-07-07 10:15:27.954 2642-25676 NearbySharing com.google.android.gms.persistent I (REDACTED) Acquired UWB ranging address: %s
2023-07-07 10:15:27.954 2642-25676 NearbySharing com.google.android.gms.persistent I (REDACTED) Acquired best-available UWB complex channel: (%s, %s)
----- PROCESS STARTED (28291) for package com.example.app -----
2023-07-07 10:16:07.160 1450-2081 AppsFilter system_server I interaction: PackageSetting(29de91e com.example.app/10245) -> PackageSetting(9f84718 com.qorvo
2023-07-07 10:16:07.168 1450-2081 AppsFilter system_server I interaction: PackageSetting(29de91e com.example.app/10245) -> PackageSetting(810b80b com.goog
2023-07-07 10:16:10.568 28291-28291 LoggingKt com.example.app D [nvsdk] in initStream /data/user/0/com.example.app/files/dcmlog/EMSEAD/EMSEAD_4ede36f2
2023-07-07 10:16:10.569 28291-28291 LoggingKt com.example.app I [nvsdk] addToUploadTable saving to cupboard /data/user/0/com.example.app/files/dcmlog/EMSE
2023-07-07 10:16:10.647 1450-16131 ActivityManager system_server W Unable to start service Intent { act=androidx.core.uwb.backend.service pkg=androidx.core.uwb.ba
2023-07-07 10:16:10.648 28291-28291 LoggingKt com.example.app I [nvsdk] UWB sampling created OK
2023-07-07 10:16:11.371 28291-28291 LoggingKt com.example.app D [nvsdk] diagnostic event: UwbSamplingStartedEvent(source=DataCollectionService, reason=Starti
2023-07-07 10:16:11.372 28291-28409 LoggingKt com.example.app D [nvsdk] startUWB starting
2023-07-07 10:16:11.373 28291-28409 UwbMangerImpl com.example.app I Creating Gms Client session scope
2023-07-07 10:16:11.394 2642-2642 BoundBrokerSvc com.google.android.gms.persistent D onBind: Intent { act=com.google.android.gms.nearby.uwb.service.START dat=chimera-ac
2023-07-07 10:16:11.394 2642-2642 BoundBrokerSvc com.google.android.gms.persistent D Loading bound service for intent: Intent { act=com.google.android.gms.nearby.uwb.servi
2023-07-07 10:16:11.405 2642-27380 NearbyUWB com.google.android.gms.persistent I Use AOSP Backend in UWB API. [CONTEXT service_id=49 ]
2023-07-07 10:16:11.415 2642-27380 NearbyUWB com.google.android.gms.persistent I (REDACTED) Screen unlocked: %s
2023-07-07 10:16:11.458 2642-2657 NearbyUWB com.google.android.gms.persistent I (REDACTED) onGetService: Create client bridge with key %s
2023-07-07 10:16:11.458 2642-2657 NearbyUWB com.google.android.gms.persistent I (REDACTED) Analytics is enabled for package %s
2023-07-07 10:16:11.473 2642-2657 NearbyUWB com.google.android.gms.persistent I (REDACTED) Client %s with package name %s, Op Identifier %s, and sdk version %s has con
2023-07-07 10:16:11.513 1450-5627 UwbConfManager system_server D getCapsInfo for protocol: generic
2023-07-07 10:16:11.528 1450-5627 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeGe
2023-07-07 10:16:11.538 1450-2931 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: CoreGetCapsInfo }
2023-07-07 10:16:11.549 1043-1043 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_core_get_caps_info: MT/GID/OID 4003 CMD
2023-07-07 10:16:11.549 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-07 10:16:11.549 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-07 10:16:11.549 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-07 10:16:11.549 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_n_l_cb
2023-07-07 10:16:11.549 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-07 10:16:11.552 1450-5627 UwbConfManager system_server I getCapsInfo respData: UwbTlvData { status = 0 length = 32, tlvs = [000401010101010401010101
2023-07-07 10:16:11.566 1450-5627 FiraDecoder system_server W SUPPORTED_MAX_MESSAGE_SIZE not found.
java.lang.IllegalArgumentException: Tag type: 18 not present
    at com.android.server.uwb.params.TlvDecoderBuffer.getTlv(Unknown Source:50)
    at com.android.server.uwb.params.TlvDecoderBuffer.getShort(Unknown Source:0)
    at com.android.server.uwb.params.FiraDecoder.getFiraSpecificationParamsFromTlvBuffer(Unknown Source:994)
    at com.android.server.uwb.params.FiraDecoder.getParams(Unknown Source:8)
    at com.android.server.uwb.params.GenericDecoder.getSpecificationParamsFromTlvBuffer(Unknown Source:13)
    at com.android.server.uwb.params.GenericDecoder.getParams(Unknown Source:8)
    at com.android.server.uwb.UwbConfigurationManager.decodeTLV(Unknown Source:63)
    at com.android.server.uwb.UwbConfigurationManager.getCapsInfo(Unknown Source:57)
    at com.android.server.uwb.UwbServiceCore.getSpecificationInfo(Unknown Source:12)
    at com.android.server.uwb.UwbServiceImpl.getSpecificationInfo(Unknown Source:9)
    at android.uwb.IUwbAdapter$Stub.onTransact(IUwbAdapter.java:508)
    at android.os.Binder.execTransactInternal(Binder.java:1280)
    at android.os.Binder.execTransact(Binder.java:1244)
2023-07-07 10:16:11.566 1450-5627 FiraDecoder system_server W SUPPORTED_MAX_DATA_PACKET_PAYLOAD_SIZE not found.
java.lang.IllegalArgumentException: Tag type: 19 not present
    at com.android.server.uwb.params.TlvDecoderBuffer.getTlv(Unknown Source:50)
    at com.android.server.uwb.params.TlvDecoderBuffer.getShort(Unknown Source:0)
    at com.android.server.uwb.params.FiraDecoder.getFiraSpecificationParamsFromTlvBuffer(Unknown Source:1022)
    at com.android.server.uwb.params.FiraDecoder.getParams(Unknown Source:8)
    at com.android.server.uwb.params.GenericDecoder.getSpecificationParamsFromTlvBuffer(Unknown Source:13)
    at com.android.server.uwb.params.GenericDecoder.getParams(Unknown Source:8)
    at com.android.server.uwb.UwbConfigurationManager.decodeTLV(Unknown Source:63)
    at com.android.server.uwb.UwbConfigurationManager.getCapsInfo(Unknown Source:57)
    at com.android.server.uwb.UwbServiceCore.getSpecificationInfo(Unknown Source:12)
    at com.android.server.uwb.UwbServiceImpl.getSpecificationInfo(Unknown Source:9)
    at android.uwb.IUwbAdapter$Stub.onTransact(IUwbAdapter.java:508)
    at android.os.Binder.execTransactInternal(Binder.java:1280)
    at android.os.Binder.execTransact(Binder.java:1244)
2023-07-07 10:16:11.593 28291-28424 LoggingKt com.example.app D [nvsdk] Got UWB local address EA:A6 ranging capabilities: distance true, azimuth true, elevation tr
2023-07-07 10:16:12.234 28291-28420 LoggingKt com.example.app D [nvsdk] Adding UWB BLE GATT: F9:9B:54:CD:1B:A0
2023-07-07 10:16:12.272 28291-28420 LoggingKt com.example.app D [nvsdk] Connecting to UWB BLE GATT: F9:9B:54:CD:1B:A0
2023-07-07 10:16:13.591 28291-28427 LoggingKt com.example.app D [nvsdk] Adding UWB BLE GATT: FC:04:39:EF:77:A4
2023-07-07 10:16:13.596 28291-28427 LoggingKt com.example.app D [nvsdk] Connecting to UWB BLE GATT: FC:04:39:EF:77:A4
2023-07-07 10:16:16.768 28291-28333 LoggingKt com.example.app D [nvsdk] UWB BLE Connected FC:04:39:EF:77:A4
2023-07-07 10:16:17.781 28291-28427 LoggingKt com.example.app D [nvsdk] UWB BLE Device Ready
2023-07-07 10:16:17.917 28291-28427 LoggingKt com.example.app D [nvsdk] Adding UWB BLE GATT: D5:B9:62:17:4E:FC
2023-07-07 10:16:17.922 28291-28427 LoggingKt com.example.app D [nvsdk] Connecting to UWB BLE GATT: D5:B9:62:17:4E:FC
2023-07-07 10:16:18.009 28291-28427 LoggingKt com.example.app D [nvsdk] Got UWB config data length: 18
2023-07-07 10:16:18.091 28291-28409 LoggingKt com.example.app D [nvsdk] Accessory UWB FC:04:39:EF:77:A4 started
2023-07-07 10:16:18.416 28291-28409 LoggingKt com.example.app D [nvsdk] UWB BLE Connected F9:9B:54:CD:1B:A0
2023-07-07 10:16:19.099 28291-28429 LoggingKt com.example.app D [nvsdk] UWB BLE Connected D5:B9:62:17:4E:FC
2023-07-07 10:16:19.926 28291-28424 LoggingKt com.example.app D [nvsdk] UWB BLE Device Ready
2023-07-07 10:16:20.032 28291-28427 LoggingKt com.example.app D [nvsdk] Got UWB config data length: 18
2023-07-07 10:16:20.211 28291-28424 LoggingKt com.example.app D [nvsdk] Accessory UWB F9:9B:54:CD:1B:A0 started
2023-07-07 10:16:38.097 28291-28427 LoggingKt com.example.app D [nvsdk] Start ranging UWB channel 5 preamble 9 devices: 30:91 69:73
2023-07-07 10:16:38.120 2642-28593 NearbyUWB com.google.android.gms.persistent I start ranging called. [CONTEXT service_id=49 ]
2023-07-07 10:16:38.128 2642-28593 UwbBackend com.google.android.gms.persistent I Opens UWB session with bundle parameters:
```



```
2023-07-07 10:16:38.128 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: aoa_result_request, value: 1
2023-07-07 10:16:38.128 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: has_ranging_control_phase, value: false
2023-07-07 10:16:38.128 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_random_window, value: 0
2023-07-07 10:16:38.128 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_proximity_near, value: 0
2023-07-07 10:16:38.128 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: is_tx_adaptive_power_enabled, value: false
2023-07-07 10:16:38.128 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: is_diagnostics_enabled, value: false
2023-07-07 10:16:38.128 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: rframe_config, value: 3
2023-07-07 10:16:38.128 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: max_ranging_round_retries, value: 0
2023-07-07 10:16:38.128 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: psdu_data_rate, value: 0
2023-07-07 10:16:38.128 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: is_rssi_reporting_enabled, value: false
2023-07-07 10:16:38.128 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: fcs_type, value: 0
2023-07-07 10:16:38.128 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_elevation_lower, value: -1.5707963267948966
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_elevation_upper, value: 1.5707963267948966
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: device_role, value: 0
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: device_type, value: 0
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: block_stride_length, value: 0
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: prf_mode, value: 0
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: slot_duration_rstu, value: 2400
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: protocol_version, value: 1.1
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: slots_per_ranging_round, value: 6
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: min_frames_per_rr, value: 1
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: vendor_id, value: [8, 7]
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: ranging_error_streak_timeout_ms, value: 10000
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: ranging_interval_ms, value: 4000
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: dest_address_list, value: [-7984882139327889408]
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: sfd_id, value: 2
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: filter_type, value: 1
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: num_of_msrmmt_focus_on_range, value: 0
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: channel_number, value: 5
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: session_priority, value: 50
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: is_key_rotation_enabled, value: false
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: session_type, value: 0
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_tx_timestamp_type, value: 0
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: sts_config, value: 0
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: num_of_msrmmt_focus_on_aoa_elevation, value: 0
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: in_band_termination_attempt_count, value: 3
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_proximity_far, value: 20000
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: bprf_phr_data_rate, value: 0
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: sts_length, value: 1
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: initiation_time_ms, value: 0
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: aoa_type, value: 0
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: has_time_of_flight_report, value: true
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: has_angle_of_arrival_figure_of_merit_report, value: false
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: session_key, value: null
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: mtu_size, value: 1048
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: has_angle_of_arrival_azimuth_report, value: false
2023-07-07 10:16:38.129 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: mac_address_mode, value: 0
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: max_number_of_measurements, value: 0
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: preamble_duration, value: 1
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: key_rotation_rate, value: 0
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: inter_frame_interval, value: 1
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: bundle_version, value: 1
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: scheduled_mode, value: 1
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: has_angle_of_arrival_elevation_report, value: false
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: static_sts_iv, value: [1, 2, 3, 4, 5, 6]
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: application_data_endpoint, value: 0
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_config, value: 1
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: ranging_round_usage, value: 2
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: protocol_name, value: fira
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: has_control_message, value: true
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: has_result_report_phase, value: true
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: device_address, value: -6419318318863220736
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: diagrams_frame_reports_fields_flags, value: 0
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: measurement_report_type, value: 0
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_device_id, value: null
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: preamble_code_index, value: 9
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_device_id_type, value: 0
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: session_id, value: 1
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_azimuth_lower, value: -3.141592653589793
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_azimuth_upper, value: 3.141592653589793
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: subsession_key, value: null
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: multi_node_mode, value: 0
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: num_of_msrmmt_focus_on_aoa_azimuth, value: 0
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_tx_interval, value: 2000
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: hopping_mode, value: 1
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: sts_segment_count, value: 1
2023-07-07 10:16:38.130 2642-28593 UwbBackend com.google.android.gms.persistent I UWB parameter: link_layer_mode, value: 0
2023-07-07 10:16:38.144 2642-28593 Uwb.Rangin...r@cc57241] com.google.android.gms.persistent V openSession - sessionHandle: SessionHandle [id=1, package-name: com.google.an
2023-07-07 10:16:38.148 1450-5627 UwbSessionManager system_server I initSession() - sessionId: 1, sessionHandle: SessionHandle [id=1, package-name: com.google.an
2023-07-07 10:16:38.149 1450-5627 UwbSessionManager system_server D Found a non fg 3p app/service in the attribution source of request: android.content.Attribution$
2023-07-07 10:16:38.150 1450-5627 UwbSessionManager system_server D Detected start of non privileged FIRA session from android.content.AttributionSource@2f8e992
2023-07-07 10:16:38.156 1450-28594 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java::com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-07-07 10:16:38.156 1450-2931 uwb system_server D uwb_core::uci:uci_manager: Received cmd: SendUciCommand { cmd: SessionInit { session_id: 1, sessio
2023-07-07 10:16:38.157 1043-1043 qorvo.uwb....nd_manager android.hardware.qorvo.uwb.service I uci_backend_manager_session_init: MT/GID/OID 2100 CMD
2023-07-07 10:16:38.157 1043-1043 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_init: MT/GID/OID 4100 CMD
2023-07-07 10:16:38.157 1043-1043 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 1 session_id 1
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2023-07-07 10:16:38.157 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-07 10:16:38.157 1043-1043 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_init: MT/GID/OID 4100 RSP 0
2023-07-07 10:16:38.158 1043-1043 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 0 (0)
2023-07-07 10:16:38.158 1450-2933 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-07 10:16:38.158 1450-2933 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-07-07 10:16:38.161 1450-2933 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 0, 0)
2023-07-07 10:16:38.162 1450-2933 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : INIT, reasonCode:0
2023-07-07 10:16:38.162 1450-28594 UwbConfManager system_server D setAppConfigurations for protocol: fira
2023-07-07 10:16:38.162 1450-28594 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-07-07 10:16:38.162 1450-2931 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionSetAppConfig { session_ic
AppConfigTlv { cfg_id: PreambleCodeIndex, v: [9] }, AppConfigTlv { cfg_id: SfdId, v: [2] }, AppConfigTlv { cfg_id: PsduDataRate, v: [0] }, AppConfigTlv { cfg_id: PreambleDuration, v: [1] }, AppCon
VendorId, v: "redacted" }, AppConfigTlv { cfg_id: StaticStslv, v: "redacted" }, AppConfigTlv { cfg_id: RssiReporting, v: [1] }} }
2023-07-07 10:16:38.164 1043-1043 qorvo.uwb....nd_manager android.hardware.qorvo.uwb.service I uci_backend_manager_session_set_app_config: MT/GID/OID 2103 CMD
2023-07-07 10:16:38.164 1043-1043 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: MT/GID/OID 4103 CMD
2023-07-07 10:16:38.164 1043-1043 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: session_id=1
2023-07-07 10:16:38.164 1043-1043 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-07-07 10:16:38.164 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_n_l_cb
2023-07-07 10:16:38.164 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-07 10:16:38.164 1043-1043 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: mac_state=3
2023-07-07 10:16:38.164 1043-1043 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: uci_state=0
2023-07-07 10:16:38.164 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-07 10:16:38.164 1043-1043 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-07-07 10:16:38.164 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_n_l_cb
2023-07-07 10:16:38.164 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-07 10:16:38.164 1043-1043 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: mac_state=3
2023-07-07 10:16:38.164 1043-1043 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 9 session_id 1
2023-07-07 10:16:38.164 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_n_l_cb
2023-07-07 10:16:38.164 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-07 10:16:38.165 1043-1043 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 5 session_id 1
2023-07-07 10:16:38.165 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-07 10:16:38.165 1043-1043 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: MT/GID/OID 4103 RSP 0
2023-07-07 10:16:38.165 1043-1043 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 3 (0)
2023-07-07 10:16:38.165 1450-2933 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-07 10:16:38.165 1450-2933 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-07-07 10:16:38.165 1450-28594 UwbConfManager system_server I setAppConfigurations respData: UwbConfigStatusData { status = 0 length = 0, tlvs = [[]] }
2023-07-07 10:16:38.165 1450-2933 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 3, 0)
2023-07-07 10:16:38.165 1450-2933 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : IDLE, reasonCode:0
2023-07-07 10:16:38.166 1450-28594 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingOpened
2023-07-07 10:16:38.166 2642-5270 Uwb.Rangin...n@63d8907] com.google.android.gms.persistent V onRangingOpened - sessionHandle: SessionHandle [id=1, package-name: com.goog
2023-07-07 10:16:38.167 1450-2101 UwbSessionManager system_server I sessionInit() : finish - sessionId : 1
2023-07-07 10:16:38.167 2642-28593 Uwb.Rangin...n@63d8907] com.google.android.gms.persistent V start - sessionHandle: SessionHandle [id=1, package-name: com.google.android.gr
2023-07-07 10:16:38.167 1450-16073 UwbSessionManager system_server I startRanging() - sessionId: 1, sessionHandle: SessionHandle [id=1, package-name: com.google.
2023-07-07 10:16:38.168 1450-28596 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeR
2023-07-07 10:16:38.168 1450-2932 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionStart { session_id: 1 } }
2023-07-07 10:16:38.169 1043-1043 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_start: MT/GID/OID 4200 CMD
2023-07-07 10:16:38.169 1043-1043 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-07-07 10:16:38.169 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_n_l_cb
2023-07-07 10:16:38.169 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-07 10:16:38.169 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-07 10:16:38.172 1240-1240 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cd, tag: 0x08, rc: 0
2023-07-07 10:16:38.172 1240-1240 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cb, tag: 0x09, rc: 0
2023-07-07 10:16:38.173 1240-1240 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cd, tag: 0x0a, rc: 0
2023-07-07 10:16:38.183 1240-1240 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cd, tag: 0x0b, rc: 0
2023-07-07 10:16:38.196 1043-1043 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 2 session_id 1
2023-07-07 10:16:38.198 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-07 10:16:38.198 1043-1043 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_start: MT/GID/OID 4200 RSP 0
2023-07-07 10:16:38.198 1043-1043 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 2 (0)
2023-07-07 10:16:38.199 1450-2933 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: core notification callback.
2023-07-07 10:16:38.199 1450-2933 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onDeviceStatusNotificationReceived
2023-07-07 10:16:38.199 1450-2933 NativeUwbManager system_server D onDeviceStatusNotificationReceived(2, default)
2023-07-07 10:16:38.199 1450-2933 UwbServiceCore system_server I updateState(): deviceState = ACTIVE, current adapter state = 1
2023-07-07 10:16:38.199 1450-2933 UwbServiceCore system_server D updateState(): state=2, reason=1, chipId=default
2023-07-07 10:16:38.199 1450-2933 UwbServiceCore system_server D chipIdToStateMap = {default=2}
2023-07-07 10:16:38.199 1450-2933 UwbServiceCore system_server D notifyAdapterState(): adapterState = 2, reason = 1
2023-07-07 10:16:38.199 1450-2933 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-07 10:16:38.199 1450-2933 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-07-07 10:16:38.199 1450-2933 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 2, 0)
2023-07-07 10:16:38.199 1450-2933 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : ACTIVE, reasonCode:0
2023-07-07 10:16:38.200 1450-28596 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingStarted
2023-07-07 10:16:38.200 2642-5360 Uwb.Rangin...n@63d8907] com.google.android.gms.persistent V onRangingStarted - sessionHandle: SessionHandle [id=1, package-name: com.goog
2023-07-07 10:16:38.201 2642-28423 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging initialized: %s
2023-07-07 10:16:38.204 28291-28291 UwbClientSessionScope com.example.app I Started UWB ranging.
2023-07-07 10:16:38.329 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_n_l_cb
2023-07-07 10:16:38.330 1450-2933 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-07 10:16:38.330 1450-2933 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-07 10:16:38.332 1450-2933 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-07 10:16:38.332 1450-2933 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-07 10:16:38.333 1450-2933 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 0, SessionId = 1, RcrIndica
2023-07-07 10:16:38.336 1450-2933 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-07-07 10:16:38.337 1450-2933 UwbSessionManager system_server V Starting error timer for 10000 ms.
2023-07-07 10:16:38.337 2642-5360 Uwb.Rangin...n@63d8907] com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-07-07 10:16:42.408 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_n_l_cb
2023-07-07 10:16:42.410 1450-2933 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-07 10:16:42.410 1450-2933 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-07 10:16:42.410 1450-2933 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-07 10:16:42.410 1450-2933 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
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2023-07-07 10:16:42.410 1450-2933 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 1, SessionId = 1, RcrIndica
2023-07-07 10:16:42.411 1450-2933 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-07-07 10:16:42.411 2642-4462 Uwb.Rangin...n@63d8907 com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-07-07 10:16:46.249 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-07 10:16:46.250 1450-2933 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-07 10:16:46.250 1450-2933 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-07 10:16:46.250 1450-2933 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-07 10:16:46.250 1450-2933 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-07 10:16:46.250 1450-2933 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 2, SessionId = 1, RcrIndica
2023-07-07 10:16:46.251 1450-2933 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-07-07 10:16:46.251 2642-5270 Uwb.Rangin...n@63d8907 com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-07-07 10:16:48.337 1450-2101 UwbSessionManager system_server W Continuous errors or no ranging results detected for 10000 ms. Stopping session
2023-07-07 10:16:48.338 1450-2101 UwbSessionManager system_server I stopRanging() - sessionId: 1, sessionHandle: SessionHandle [id=1, package-name: com.google.a
2023-07-07 10:16:48.342 1450-2101 UwbSessionManager system_server V Stop timeout: 16000
2023-07-07 10:16:48.344 1450-28640 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeR
2023-07-07 10:16:48.345 1450-2931 uwb system_server D uwb_core::uci:uci_manager: Received cmd: SendUciCommand { cmd: SessionStop { session_id: 1 } }
2023-07-07 10:16:48.346 1043-1043 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_stop: MT/GID/OID 4201 CMD
2023-07-07 10:16:48.346 1043-1043 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-07-07 10:16:48.346 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-07 10:16:48.346 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-07 10:16:48.346 1043-1043 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 3 session_id 1
2023-07-07 10:16:48.346 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-07 10:16:48.346 1043-1043 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_stop: MT/GID/OID 4201 RSP 0
2023-07-07 10:16:50.329 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-07 10:16:50.329 1043-1043 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I handle_session_stop: session (1) stopped for reason (0)
2023-07-07 10:16:50.329 1043-1043 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 3 (0)
2023-07-07 10:16:50.330 1450-2933 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-07 10:16:50.330 1450-2933 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-07-07 10:16:50.330 1450-2933 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 3, 0)
2023-07-07 10:16:50.330 1450-2933 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : IDLE, reasonCode:0
2023-07-07 10:16:50.331 1450-28640 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingStopped
2023-07-07 10:16:50.331 2642-4500 Uwb.Rangin...n@63d8907 com.google.android.gms.persistent V onRangingStopped - sessionHandle: SessionHandle [id=1, package-name: com.goo
2023-07-07 10:16:50.333 1240-1240 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cb, tag: 0x0c, rc: 0
2023-07-07 10:16:50.334 1240-1240 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cd, tag: 0x0d, rc: 0
2023-07-07 10:16:50.334 2642-28593 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Suspended: %s reason code (%s)
2023-07-07 10:16:50.337 28291-28420 LoggingKt com.example.app E [nvsdk] UWB Peer disconnected: android.core.uwb.RangingResult\$RangingResultPeerDisconnect
2023-07-07 10:16:50.350 1450-2933 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: core notification callback.
2023-07-07 10:16:50.350 1450-2933 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onDeviceStatusNotificationReceived
2023-07-07 10:16:50.350 1450-2933 NativeUwbManager system_server D onDeviceStatusNotificationReceived(1, default)
2023-07-07 10:16:50.355 1450-2933 UwbServiceCore system_server I updateState(): deviceState = READY, current adapter state = 2
2023-07-07 10:16:50.355 1450-2933 UwbServiceCore system_server D updateState(): state=1, reason=3, chipId=default
2023-07-07 10:16:50.355 1450-2933 UwbServiceCore system_server D chipIdToStateMap = {default=1}
2023-07-07 10:16:50.355 1450-2933 UwbServiceCore system_server D notifyAdapterState(): adapterState = 1, reason = 3
2023-07-07 10:16:50.380 28291-28420 LoggingKt com.example.app D [nvsdk] diagnostic event: UwbRangingDisconnectedEvent(deviceAddress=EA:A6, timestampMillis:
2023-07-07 10:16:50.380 28291-28420 MainActivity com.example.app D UWB Peer disconnected: EA:A6
2023-07-07 10:16:50.757 28291-28333 LoggingKt com.example.app D [nvsdk] Accessory UWB D5:B9:62:17:4E:FC stopped
2023-07-07 10:16:50.785 28291-28622 LoggingKt com.example.app D [nvsdk] stopUwbRanging for D5:B9:62:17:4E:FC with 2 remaining
2023-07-07 10:16:51.281 28291-28622 LoggingKt com.example.app D [nvsdk] Accessory UWB FC:04:39:EF:77:A4 stopped
2023-07-07 10:16:51.294 28291-28622 LoggingKt com.example.app D [nvsdk] stopUwbRanging for FC:04:39:EF:77:A4 with 1 remaining
2023-07-07 10:16:52.065 28291-28409 LoggingKt com.example.app D [nvsdk] Accessory UWB F9:9B:54:CD:1B:A0 stopped
2023-07-07 10:16:52.080 28291-28409 LoggingKt com.example.app D [nvsdk] stopUwbRanging for F9:9B:54:CD:1B:A0 with 0 remaining
2023-07-07 10:16:52.103 28291-28418 LoggingKt com.example.app E [nvsdk] UWB ranging flow failed
kotlincoroutines.JobCancellationException: StandaloneCoroutine was cancelled; job=StandaloneCoroutine[Cancelling]@6ce2e1f
2023-07-07 10:16:52.108 2642-28593 NearbyUWB com.google.android.gms.persistent I stop ranging called. [CONTEXT service_id=49]
2023-07-07 10:16:52.108 2642-28593 UwbBackend com.google.android.gms.persistent I UWB stopRanging called but isRanging is false.
2023-07-07 10:16:52.109 2642-28593 Uwb.Rangin...n@63d8907 com.google.android.gms.persistent V close - sessionHandle: SessionHandle [id=1, package-name: com.google.android.g
2023-07-07 10:16:52.110 1450-16129 UwbSessionManager system_server I deinitSession() - sessionId: 1, sessionHandle: SessionHandle [id=1, package-name: com.google
2023-07-07 10:16:52.113 1450-28656 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-07-07 10:16:52.113 1450-2932 uwb system_server D uwb_core::uci:uci_manager: Received cmd: SendUciCommand { cmd: SessionDeinit { session_id: 1 } }
2023-07-07 10:16:52.114 1043-1043 qorvo.uwb....nd_manager android.hardware.qorvo.uwb.service I uci_backend_manager_session_deinit: MT/GID/OID 2101 CMD
2023-07-07 10:16:52.114 1043-1043 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_deinit: MT/GID/OID 4101 CMD
2023-07-07 10:16:52.114 1043-1043 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-07-07 10:16:52.114 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-07 10:16:52.114 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-07 10:16:52.114 1043-1043 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 4 session_id 1
2023-07-07 10:16:52.114 1043-1043 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-07 10:16:52.115 1043-1043 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_deinit: MT/GID/OID 4101 RSP 0
2023-07-07 10:16:52.116 1043-1043 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 1 (0)
2023-07-07 10:16:52.117 1450-2933 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-07 10:16:52.117 1450-2933 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-07-07 10:16:52.117 1450-2933 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 1, 0)
2023-07-07 10:16:52.117 1450-2933 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : DEINIT, reasonCode:0
2023-07-07 10:16:52.117 1450-28656 UwbSessionManager system_server I onRangingClosed - status : 0
2023-07-07 10:16:52.118 1450-28656 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingClosed
2023-07-07 10:16:52.119 2642-5778 Uwb.Rangin...n@63d8907 com.google.android.gms.persistent V onRangingClosed - sessionHandle: SessionHandle [id=1, package-name: com.googl
2023-07-07 10:16:52.119 1450-2101 UwbSessionManager system_server D Detected end of non privileged FIRA session from android.content.AttributionSource@2f2be992:
2023-07-07 10:16:52.120 1450-2101 UwbSessionManager system_server I deinit finish : status :0
2023-07-07 10:16:52.120 1450-2101 UwbSessionManager system_server I onDeinit - Ignoring already deleted session 1
2023-07-07 10:16:52.156 28291-28418 LoggingKt com.example.app D [nvsdk] diagnostic event: UwbRangingErrorEvent(error=StandaloneCoroutine was cancelled, times
2023-07-07 10:16:52.156 28291-28418 MainActivity com.example.app D UWB error: StandaloneCoroutine was cancelled
2023-07-07 10:16:56.606 28291-28333 LoggingKt com.example.app D [nvsdk] startUWB starting
2023-07-07 10:16:56.607 28291-28333 UwbMangerImpl com.example.app I Creating Gms Client session scope
2023-07-07 10:16:56.610 2642-5531 NearbyUWB com.google.android.gms.persistent I (REDACTED) onGetService: Create client bridge with key %s
2023-07-07 10:16:56.611 2642-5531 NearbyUWB com.google.android.gms.persistent I (REDACTED) Analytics is enabled for package %s
2023-07-07 10:16:56.616 2642-5531 NearbyUWB com.google.android.gms.persistent I (REDACTED) Client %s with package name %s, Op Identifier %s, and sdk version %s has con
2023-07-07 10:16:56.618 1450-16152 UwbConfManager system_server D getCapsInfo for protocol: generic

2023-07-07 10:16:56.618	1450-16152 uwb		D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeGr
2023-07-07 10:16:56.618	1450-2932 uwb	system_server	D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: CoreGetCapsInfo }
2023-07-07 10:16:56.618	1043-1043 qorvo.uwb....ckend_fira	android.hardware.qorvo.uwb.service	I uci_backend_fira_core_get_caps_info: MT/GID/OID 4003 CMD
2023-07-07 10:16:56.619	1043-1043 qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nLcb
2023-07-07 10:16:56.619	1043-1043 qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I ack_handler
2023-07-07 10:16:56.619	1450-16152 UwbConfManager	system_server	I getCapsInfo respData: UwbTlvData { status = 0 length = 32, tlvs = [000401010101010401010101
2023-07-07 10:16:56.620	1450-16152 FiraDecoder	system_server	W SUPPORTED_MAX_MESSAGE_SIZE not found. java.lang.IllegalArgumentException: Tag type: 18 not present at com.android.server.uwb.params.TlvDecoderBuffer.getTlv(Unknown Source:50) at com.android.server.uwb.params.TlvDecoderBuffer.getShort(Unknown Source:0) at com.android.server.uwb.params.FiraDecoder.getFiraSpecificationParamsFromTlvBuffer(Unknown Source:994) at com.android.server.uwb.params.FiraDecoder.getParams(Unknown Source:8) at com.android.server.uwb.params.GenericDecoder.getSpecificationParamsFromTlvBuffer(Unknown Source:13) at com.android.server.uwb.params.GenericDecoder.getParams(Unknown Source:8) at com.android.server.uwb.UwbConfigurationManager.decodeTLV(Unknown Source:63) at com.android.server.uwb.UwbConfigurationManager.getCapsInfo(Unknown Source:57) at com.android.server.uwb.UwbServiceCore.getSpecificationInfo(Unknown Source:12) at com.android.server.uwb.UwbServiceImpl.getSpecificationInfo(Unknown Source:9) at android.uwb.IUwbAdapter\$Stub.onTransact(IUwbAdapter.java:508) at android.os.Binder.execTransactInternal(Binder.java:1280) at android.os.Binder.execTransact(Binder.java:1244)
2023-07-07 10:16:56.620	1450-16152 FiraDecoder	system_server	W SUPPORTED_MAX_DATA_PACKET_PAYLOAD_SIZE not found. java.lang.IllegalArgumentException: Tag type: 19 not present at com.android.server.uwb.params.TlvDecoderBuffer.getTlv(Unknown Source:50) at com.android.server.uwb.params.TlvDecoderBuffer.getShort(Unknown Source:0) at com.android.server.uwb.params.FiraDecoder.getFiraSpecificationParamsFromTlvBuffer(Unknown Source:1022) at com.android.server.uwb.params.FiraDecoder.getParams(Unknown Source:8) at com.android.server.uwb.params.GenericDecoder.getSpecificationParamsFromTlvBuffer(Unknown Source:13) at com.android.server.uwb.params.GenericDecoder.getParams(Unknown Source:8) at com.android.server.uwb.UwbConfigurationManager.decodeTLV(Unknown Source:63) at com.android.server.uwb.UwbConfigurationManager.getCapsInfo(Unknown Source:57) at com.android.server.uwb.UwbServiceCore.getSpecificationInfo(Unknown Source:12) at com.android.server.uwb.UwbServiceImpl.getSpecificationInfo(Unknown Source:9) at android.uwb.IUwbAdapter\$Stub.onTransact(IUwbAdapter.java:508) at android.os.Binder.execTransactInternal(Binder.java:1280) at android.os.Binder.execTransact(Binder.java:1244)
2023-07-07 10:16:56.623	28291-28409 LoggingKt	com.example.app	D [nvsdk] Got UWB local address F1:BF ranging capabilities: distance true, azimuth true, elevation true
2023-07-07 10:16:57.552	28291-28418 LoggingKt	com.example.app	D [nvsdk] Adding UWB BLE GATT: FC:04:39:EF:77:A4
2023-07-07 10:16:57.554	28291-28418 LoggingKt	com.example.app	D [nvsdk] Connecting to UWB BLE GATT: FC:04:39:EF:77:A4
2023-07-07 10:16:58.834	28291-28418 LoggingKt	com.example.app	D [nvsdk] Adding UWB BLE GATT: F9:9B:54:CD:1B:A0
2023-07-07 10:16:58.837	28291-28418 LoggingKt	com.example.app	D [nvsdk] Connecting to UWB BLE GATT: F9:9B:54:CD:1B:A0
2023-07-07 10:16:59.020	28291-28435 LoggingKt	com.example.app	D [nvsdk] Adding UWB BLE GATT: D5:B9:62:17:4E:FC
2023-07-07 10:16:59.022	28291-28435 LoggingKt	com.example.app	D [nvsdk] Connecting to UWB BLE GATT: D5:B9:62:17:4E:FC
2023-07-07 10:17:00.074	28291-28418 LoggingKt	com.example.app	D [nvsdk] UWB BLE Connected F9:9B:54:CD:1B:A0
2023-07-07 10:17:00.718	28291-28425 LoggingKt	com.example.app	D [nvsdk] UWB BLE Connected FC:04:39:EF:77:A4
2023-07-07 10:17:00.977	28291-28333 LoggingKt	com.example.app	D [nvsdk] UWB BLE Device Ready
2023-07-07 10:17:01.113	28291-28333 LoggingKt	com.example.app	D [nvsdk] Got UWB config data length: 18
2023-07-07 10:17:01.248	28291-28409 LoggingKt	com.example.app	D [nvsdk] Accessory UWB F9:9B:54:CD:1B:A0 started
2023-07-07 10:17:02.250	28291-28418 LoggingKt	com.example.app	D [nvsdk] UWB BLE Connected D5:B9:62:17:4E:FC
2023-07-07 10:17:03.214	28291-28434 LoggingKt	com.example.app	D [nvsdk] UWB BLE Device Ready
2023-07-07 10:17:03.321	28291-28388 LoggingKt	com.example.app	D [nvsdk] Got UWB config data length: 18
2023-07-07 10:17:03.496	28291-28333 LoggingKt	com.example.app	D [nvsdk] Accessory UWB D5:B9:62:17:4E:FC started
7 Pro:			
----- beginning of kernel			
----- beginning of crash			
----- beginning of system			
2023-07-07 08:22:57.796	1417-1728 AppsFilter	system_server	I interaction: PackageSetting{2189ab1 com.google.apps.hellouwb/10407} -> PackageSetting{c39d79c n
2023-07-07 08:22:59.050	1417-1728 AppsFilter	system_server	I interaction: PackageSetting{2189ab1 com.google.apps.hellouwb/10407} -> PackageSetting{f67e7e2 m
----- beginning of main			
2023-07-07 10:19:02.630	2680-907 NearbySharing	com.google.android.gms.persistent	I (REDACTED) Acquired UWB ranging address: %s
2023-07-07 10:19:02.630	2680-907 NearbySharing	com.google.android.gms.persistent	I (REDACTED) Acquired best-available UWB complex channel: (%s, %s)
2023-07-07 10:19:05.027	1417-1728 AppsFilter	system_server	I interaction: PackageSetting{2189ab1 com.google.apps.hellouwb/10407} -> PackageSetting{5694418 c
2023-07-07 10:19:29.255	1417-1728 AppsFilter	system_server	I interaction: PackageSetting{2294d77 com.google.apps.hellouwb/10407} -> PackageSetting{fba1565 g
2023-07-07 10:19:29.255	1417-1728 AppsFilter	system_server	I interaction: PackageSetting{2294d77 com.google.apps.hellouwb/10407} -> PackageSetting{2b4724d g
2023-07-07 10:19:29.438	1417-1728 AppsFilter	system_server	I interaction: PackageSetting{2294d77 com.google.apps.hellouwb/10407} -> PackageSetting{2b4724d g
----- PROCESS STARTED (3204) for package com.example.app -----			
2023-07-07 10:19:30.842	1417-4380 AppsFilter	system_server	I interaction: PackageSetting{e647cb2 com.example.app/10414} -> PackageSetting{483a80c com.qorvc
2023-07-07 10:19:30.847	1417-4380 AppsFilter	system_server	I interaction: PackageSetting{e647cb2 com.example.app/10414} -> PackageSetting{fb2b2dc com.googl
2023-07-07 10:19:30.849	1417-4380 AppsFilter	system_server	I interaction: PackageSetting{e647cb2 com.example.app/10414} -> PackageSetting{2189ab1 com.goog
2023-07-07 10:19:32.819	3204-3204 UtilsKt	com.example.app	D Purging file FIRSTA__c7747f6194d6_nopk_nogzip_naveniohqhere_2023-06-14Z09-57-41_v1-0.uwb0
2023-07-07 10:19:32.822	3204-3204 UtilsKt	com.example.app	D Purging file CENATH__039be220d99e_nopk_nogzip_naveniohqhere_2023-06-14Z09-58-47_v1-0.uwb0
2023-07-07 10:19:32.825	3204-3204 UtilsKt	com.example.app	D Purging file EVENGs__375b4c0d3e3d_nopk_nogzip_naveniohqhere_2023-06-14Z10-00-05_v1-0.uwb0
2023-07-07 10:19:32.830	3204-3204 UtilsKt	com.example.app	D Purging file COONGE__421e5f8ec336_nopk_nogzip_naveniohqhere_2023-06-14Z10-04-58_v1-0.uwb0
2023-07-07 10:19:32.831	3204-3204 UtilsKt	com.example.app	D Purging file GLERCE__404a8e78f516_nopk_nogzip_naveniohqhere_2023-06-14Z10-13-10_v1-0.uwb0
2023-07-07 10:19:32.833	3204-3204 UtilsKt	com.example.app	D Purging file OTICTE__209d34da5bdd_nopk_nogzip_naveniohqhere_2023-06-14Z10-15-59_v1-0.uwb0
2023-07-07 10:19:32.837	3204-3204 UtilsKt	com.example.app	D Purging file BLOUND__633ed6d94a1e_nopk_nogzip_naveniohqhere_2023-06-14Z10-20-39_v1-0.uwb0
2023-07-07 10:19:32.839	3204-3204 UtilsKt	com.example.app	D Purging file LEVION__f742955b1885_nopk_nogzip_naveniohqhere_2023-06-14Z10-26-39_v1-0.uwb0
2023-07-07 10:19:32.840	3204-3204 UtilsKt	com.example.app	D Purging file ESTRAR__85e4708ded54_nopk_nogzip_naveniohqhere_2023-06-14Z10-28-02_v1-0.uwb0
2023-07-07 10:19:32.842	3204-3204 UtilsKt	com.example.app	D Purging file GREESS__3603d072dbe0_nopk_nogzip_naveniohqhere_2023-06-14Z10-28-37_v1-0.uwb0
2023-07-07 10:19:32.909	3204-3204 LoggingKt	com.example.app	D [nvsdk] in initStream /data/user/0/com.example.app/files/dcmlog/UNDONON/UNDONON_c6080280
2023-07-07 10:19:32.909	3204-3204 LoggingKt	com.example.app	I [nvsdk] addToUploadTable saving to cupboard /data/user/0/com.example.app/files/dcmlog/UNDO
2023-07-07 10:19:32.988	1417-4389 ActivityManager	system_server	W Unable to start service Intent { act=androidx.core.uwb.backend.service pkg=androidx.core.uwb.ba
2023-07-07 10:19:32.988	1417-4389 ActivityManager	com.example.app	I [nvsdk] UWB sampling created OK
2023-07-07 10:19:33.712	3204-3204 LoggingKt	com.example.app	D [nvsdk] diagnostic event: UwbSamplingStartedEvent(source=DataCollectionService, reason=Startin

2023-07-07 10:19:33.712	3204-3360	LoggingKt	<u>com.example.app</u>	D [nvsdk] startUWB starting
2023-07-07 10:19:33.713	3204-3360	UwbMangerImpl	<u>com.example.app</u>	I Creating Gms Client session scope
2023-07-07 10:19:33.725	2680-2680	BoundBrokerSvc	com.google.android.gms.persistent	D onBind: Intent { act=com.google.android.gms.nearby.uwb.service.START dat=chimera-ac
2023-07-07 10:19:33.726	2680-2680	BoundBrokerSvc	com.google.android.gms.persistent	D Loading bound service for intent: Intent { act=com.google.android.gms.nearby.uwb.servi
2023-07-07 10:19:33.733	2680-1569	NearbyUWB	com.google.android.gms.persistent	I Use AOSP Backend in UWB API. [CONTEXT service_id=49]
2023-07-07 10:19:33.752	2680-1569	NearbyUWB	com.google.android.gms.persistent	I (REDACTED) Screen unlocked: %s
2023-07-07 10:19:33.793	2680-3556	NearbyUWB	com.google.android.gms.persistent	I (REDACTED) onGetService: Create client bridge with key %s
2023-07-07 10:19:33.794	2680-3556	NearbyUWB	com.google.android.gms.persistent	I (REDACTED) Analytics is enabled for package %s
2023-07-07 10:19:33.802	2680-3556	NearbyUWB	com.google.android.gms.persistent	I (REDACTED) Client %s with package name %s, Op Identifier %s, and sdk version %s has con
2023-07-07 10:19:33.821	1417-1455	UwbConfManager	system_server	D getCapsInfo for protocol: generic
2023-07-07 10:19:33.835	1417-1455	uwb	system_server	D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeGe
2023-07-07 10:19:33.838	1417-2851	uwb	system_server	D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: CoreGetCapsInfo }
2023-07-07 10:19:33.844	1005-1005	qorvo.uwb....ckend_fira	android.hardware.qorvo.uwb.service	I uci_backend_fira_core_get_caps_info: MT/GID/OID 4003 CMD
2023-07-07 10:19:33.844	1005-1005	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I ack_handler
2023-07-07 10:19:33.844	1005-1005	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I ack_handler
2023-07-07 10:19:33.844	1005-1005	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I ack_handler
2023-07-07 10:19:33.844	1005-1005	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nl_cb
2023-07-07 10:19:33.844	1005-1005	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I ack_handler
2023-07-07 10:19:33.845	1417-1455	UwbConfManager	system_server	I getCapsInfo respData: UwbTlvData { status = 0 length = 32, tlvs = [[0, 4, 1, 1, 1, 1, 4, 1, 1, 1, 1, 2,
2023-07-07 10:19:33.853	1417-1455	FiraDecoder	system_server	W SUPPORTED_MAX_MESSAGE_SIZE not found. java.lang.IllegalArgumentException: Tag type: 18 not present at com.android.server.uwb.params.TlvDecoderBuffer.getTlv(Unknown Source:50) at com.android.server.uwb.params.TlvDecoderBuffer.getShort(Unknown Source:0) at com.android.server.uwb.params.FiraDecoder.getFiraSpecificationParamsFromTlvBuffer(Unknown Source:994) at com.android.server.uwb.params.FiraDecoder.getParams(Unknown Source:8) at com.android.server.uwb.params.GenericDecoder.getSpecificationParamsFromTlvBuffer(Unknown Source:13) at com.android.server.uwb.params.GenericDecoder.getParams(Unknown Source:8) at com.android.server.uwb.UwbConfigurationManager.decodeTLV(Unknown Source:63) at com.android.server.uwb.UwbConfigurationManager.getCapsInfo(Unknown Source:57) at com.android.server.uwb.UwbServiceCore.getSpecificationInfo(Unknown Source:12) at com.android.server.uwb.UwbServiceImpl.getSpecificationInfo(Unknown Source:9) at android.uwb.IUwbAdapter\$Stub.onTransact(IUwbAdapter.java:486) at android.os.Binder.execTransactInternal(Binder.java:1280) at android.os.Binder.execTransact(Binder.java:1244)
2023-07-07 10:19:33.854	1417-1455	FiraDecoder	system_server	W SUPPORTED_MAX_DATA_PACKET_PAYLOAD_SIZE not found. java.lang.IllegalArgumentException: Tag type: 19 not present at com.android.server.uwb.params.TlvDecoderBuffer.getTlv(Unknown Source:50) at com.android.server.uwb.params.TlvDecoderBuffer.getShort(Unknown Source:0) at com.android.server.uwb.params.FiraDecoder.getFiraSpecificationParamsFromTlvBuffer(Unknown Source:1022) at com.android.server.uwb.params.FiraDecoder.getParams(Unknown Source:8) at com.android.server.uwb.params.GenericDecoder.getSpecificationParamsFromTlvBuffer(Unknown Source:13) at com.android.server.uwb.params.GenericDecoder.getParams(Unknown Source:8) at com.android.server.uwb.UwbConfigurationManager.decodeTLV(Unknown Source:63) at com.android.server.uwb.UwbConfigurationManager.getCapsInfo(Unknown Source:57) at com.android.server.uwb.UwbServiceCore.getSpecificationInfo(Unknown Source:12) at com.android.server.uwb.UwbServiceImpl.getSpecificationInfo(Unknown Source:9) at android.uwb.IUwbAdapter\$Stub.onTransact(IUwbAdapter.java:486) at android.os.Binder.execTransactInternal(Binder.java:1280) at android.os.Binder.execTransact(Binder.java:1244)
2023-07-07 10:19:33.872	3204-3380	LoggingKt	<u>com.example.app</u>	D [nvsdk] Got UWB local address 5B:61 ranging capabilities: distance true, azimuth true, elevation true
2023-07-07 10:19:34.338	3204-3372	LoggingKt	<u>com.example.app</u>	D [nvsdk] Adding UWB BLE GATT: F9:9B:54:CD:1B:A0
2023-07-07 10:19:34.348	3204-3312	LoggingKt	<u>com.example.app</u>	D [nvsdk] Adding UWB BLE GATT: D5:B9:62:17:4E:FC
2023-07-07 10:19:34.365	3204-3312	LoggingKt	<u>com.example.app</u>	D [nvsdk] Connecting to UWB BLE GATT: D5:B9:62:17:4E:FC
2023-07-07 10:19:34.365	3204-3372	LoggingKt	<u>com.example.app</u>	D [nvsdk] Connecting to UWB BLE GATT: F9:9B:54:CD:1B:A0
2023-07-07 10:19:36.622	3204-3312	LoggingKt	<u>com.example.app</u>	D [nvsdk] Adding UWB BLE GATT: FC:04:39:EF:77:A4
2023-07-07 10:19:36.623	3204-3312	LoggingKt	<u>com.example.app</u>	D [nvsdk] Connecting to UWB BLE GATT: FC:04:39:EF:77:A4
2023-07-07 10:19:36.625	3204-3254	LoggingKt	<u>com.example.app</u>	D [nvsdk] UWB BLE Connected F9:9B:54:CD:1B:A0
2023-07-07 10:19:37.850	3204-3254	LoggingKt	<u>com.example.app</u>	D [nvsdk] UWB BLE Connected FC:04:39:EF:77:A4
2023-07-07 10:19:37.887	3204-3375	LoggingKt	<u>com.example.app</u>	D [nvsdk] UWB BLE Device Ready
2023-07-07 10:19:38.141	3204-3254	LoggingKt	<u>com.example.app</u>	D [nvsdk] Got UWB config data length: 18
2023-07-07 10:19:38.237	3204-3254	LoggingKt	<u>com.example.app</u>	D [nvsdk] Accessory UWB F9:9B:54:CD:1B:A0 started
2023-07-07 10:19:38.557	3204-3369	LoggingKt	<u>com.example.app</u>	D [nvsdk] UWB BLE Connected D5:B9:62:17:4E:FC
2023-07-07 10:19:39.080	3204-3369	LoggingKt	<u>com.example.app</u>	D [nvsdk] UWB BLE Device Ready
2023-07-07 10:19:39.281	3204-3373	LoggingKt	<u>com.example.app</u>	D [nvsdk] Got UWB config data length: 18
2023-07-07 10:19:39.379	3204-3379	LoggingKt	<u>com.example.app</u>	D [nvsdk] Accessory UWB FC:04:39:EF:77:A4 started
2023-07-07 10:19:58.244	3204-3255	LoggingKt	<u>com.example.app</u>	D [nvsdk] Start ranging UWB channel 5 preamble 9 devices: 30:91 69:73
2023-07-07 10:19:58.268	2680-3549	NearbyUWB	com.google.android.gms.persistent	I start ranging called. [CONTEXT service_id=49]
2023-07-07 10:19:58.285	2680-3549	UwbBackend	com.google.android.gms.persistent	I Opens UWB session with bundle parameters:
2023-07-07 10:19:58.286	2680-3549	UwbBackend	com.google.android.gms.persistent	I UWB parameter: aoa_result_request, value: 1
2023-07-07 10:19:58.285	2680-3549	UwbBackend	com.google.android.gms.persistent	I UWB parameter: has_ranging_control_phase, value: false
2023-07-07 10:19:58.286	2680-3549	UwbBackend	com.google.android.gms.persistent	I UWB parameter: ul_tdoa_random_window, value: 0
2023-07-07 10:19:58.286	2680-3549	UwbBackend	com.google.android.gms.persistent	I UWB parameter: range_data_ntf_proximity_near, value: 0
2023-07-07 10:19:58.286	2680-3549	UwbBackend	com.google.android.gms.persistent	I UWB parameter: is_tx_adaptive_payload_power_enabled, value: false
2023-07-07 10:19:58.286	2680-3549	UwbBackend	com.google.android.gms.persistent	I UWB parameter: is_diagnostics_enabled, value: false
2023-07-07 10:19:58.286	2680-3549	UwbBackend	com.google.android.gms.persistent	I UWB parameter: rframe_config, value: 3
2023-07-07 10:19:58.286	2680-3549	UwbBackend	com.google.android.gms.persistent	I UWB parameter: max_ranging_round_retries, value: 0
2023-07-07 10:19:58.286	2680-3549	UwbBackend	com.google.android.gms.persistent	I UWB parameter: psdu_data_rate, value: 0
2023-07-07 10:19:58.286	2680-3549	UwbBackend	com.google.android.gms.persistent	I UWB parameter: is_rssi_reporting_enabled, value: false
2023-07-07 10:19:58.286	2680-3549	UwbBackend	com.google.android.gms.persistent	I UWB parameter: fcs_type, value: 0
2023-07-07 10:19:58.286	2680-3549	UwbBackend	com.google.android.gms.persistent	I UWB parameter: range_data_ntf_aoa_elevation_lower, value: -1.5707963267948966
2023-07-07 10:19:58.286	2680-3549	UwbBackend	com.google.android.gms.persistent	I UWB parameter: range_data_ntf_aoa_elevation_upper, value: 1.5707963267948966
2023-07-07 10:19:58.286	2680-3549	UwbBackend	com.google.android.gms.persistent	I UWB parameter: device_role, value: 0
2023-07-07 10:19:58.286	2680-3549	UwbBackend	com.google.android.gms.persistent	I UWB parameter: device_type, value: 0
2023-07-07 10:19:58.286	2680-3549	UwbBackend	com.google.android.gms.persistent	I UWB parameter: block_stride_length, value: 0
2023-07-07 10:19:58.286	2680-3549	UwbBackend	com.google.android.gms.persistent	I UWB parameter: prf_mode, value: 0
2023-07-07 10:19:58.286	2680-3549	UwbBackend	com.google.android.gms.persistent	I UWB parameter: slot_duration_rstu, value: 2400

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2023-07-07 10:19:58.286 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: protocol_version, value: 1.1
2023-07-07 10:19:58.289 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: slots_per_ranging_round, value: 6
2023-07-07 10:19:58.289 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: min_frames_per_rr, value: 1
2023-07-07 10:19:58.289 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: vendor_id, value: [8, 7]
2023-07-07 10:19:58.290 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: ranging_error_streak_timeout_ms, value: 10000
2023-07-07 10:19:58.290 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: ranging_interval_ms, value: 4000
2023-07-07 10:19:58.290 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: dest_address_list, value: [-7984882139327889408]
2023-07-07 10:19:58.290 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: sfd_id, value: 2
2023-07-07 10:19:58.290 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: filter_type, value: 1
2023-07-07 10:19:58.290 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: num_of_msrmf_focus_on_range, value: 0
2023-07-07 10:19:58.290 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: channel_number, value: 5
2023-07-07 10:19:58.290 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: session_priority, value: 50
2023-07-07 10:19:58.290 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: is_key_rotation_enabled, value: false
2023-07-07 10:19:58.290 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: session_type, value: 0
2023-07-07 10:19:58.290 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_tx_timestamp_type, value: 0
2023-07-07 10:19:58.290 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: sts_config, value: 0
2023-07-07 10:19:58.290 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: num_of_msrmf_focus_on_aoa_elevation, value: 0
2023-07-07 10:19:58.290 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: in_band_termination_attempt_count, value: 3
2023-07-07 10:19:58.291 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_proximity_far, value: 20000
2023-07-07 10:19:58.291 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: bprf_phr_data_rate, value: 0
2023-07-07 10:19:58.291 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: sts_length, value: 1
2023-07-07 10:19:58.291 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: initiation_time_ms, value: 0
2023-07-07 10:19:58.291 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: aoa_type, value: 0
2023-07-07 10:19:58.291 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: has_time_of_flight_report, value: true
2023-07-07 10:19:58.292 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: has_angle_of_arrival_figure_of_merit_report, value: false
2023-07-07 10:19:58.293 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: session_key, value: null
2023-07-07 10:19:58.293 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: mtu_size, value: 1048
2023-07-07 10:19:58.294 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: has_angle_of_arrival_azimuth_report, value: false
2023-07-07 10:19:58.294 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: mac_address_mode, value: 0
2023-07-07 10:19:58.294 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: max_number_of_measurements, value: 0
2023-07-07 10:19:58.294 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: preamble_duration, value: 1
2023-07-07 10:19:58.294 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: key_rotation_rate, value: 0
2023-07-07 10:19:58.294 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: inter_frame_interval, value: 1
2023-07-07 10:19:58.294 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: bundle_version, value: 1
2023-07-07 10:19:58.294 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: scheduled_mode, value: 1
2023-07-07 10:19:58.294 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: has_angle_of_arrival_elevation_report, value: false
2023-07-07 10:19:58.294 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: static_sts_iv, value: [1, 2, 3, 4, 5, 6]
2023-07-07 10:19:58.294 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: application_data_endpoint, value: 0
2023-07-07 10:19:58.294 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_config, value: 1
2023-07-07 10:19:58.294 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: ranging_round_usage, value: 2
2023-07-07 10:19:58.294 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: protocol_name, value: fira
2023-07-07 10:19:58.294 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: has_control_message, value: true
2023-07-07 10:19:58.294 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: has_result_report_phase, value: true
2023-07-07 10:19:58.294 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: device_address, value: 7015200844559679488
2023-07-07 10:19:58.294 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: diagrams_frame_reports_fields_flags, value: 0
2023-07-07 10:19:58.294 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: measurement_report_type, value: 0
2023-07-07 10:19:58.296 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_device_id, value: null
2023-07-07 10:19:58.296 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: preamble_code_index, value: 9
2023-07-07 10:19:58.296 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_device_id_type, value: 0
2023-07-07 10:19:58.296 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: session_id, value: 1
2023-07-07 10:19:58.296 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_azimuth_lower, value: -3.141592653589793
2023-07-07 10:19:58.296 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_azimuth_upper, value: 3.141592653589793
2023-07-07 10:19:58.296 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: subsession_key, value: null
2023-07-07 10:19:58.296 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: multi_node_mode, value: 0
2023-07-07 10:19:58.297 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: num_of_msrmf_focus_on_aoa_azimuth, value: 0
2023-07-07 10:19:58.297 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_tx_interval, value: 2000
2023-07-07 10:19:58.297 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: hopping_mode, value: 1
2023-07-07 10:19:58.297 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: sts_segment_count, value: 1
2023-07-07 10:19:58.297 2680-3549 UwbBackend com.google.android.gms.persistent I UWB parameter: link_layer_mode, value: 0
2023-07-07 10:19:58.301 2680-3549 Uwb.Rangin...er@4eac7e] com.google.android.gms.persistent V openSession - sessionHandle: SessionHandle [id=1, package-name: com.google.and
2023-07-07 10:19:58.313 1417-3600 UwbSessionManager system_server I initSession() - sessionId: 1, sessionHandle: SessionHandle [id=1, package-name: com.google.an
2023-07-07 10:19:58.317 1417-3600 UwbSessionManager system_server D Found a non fg 3p app/service in the attribution source of request: android.content.Attribution$
2023-07-07 10:19:58.317 1417-3600 UwbSessionManager system_server D Detected start of non privileged FIRA session from android.content.AttributionSource@2c391c:
2023-07-07 10:19:58.319 1417-3635 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java: com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-07-07 10:19:58.320 1417-3635 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionInit { session_id: 1, sessio
2023-07-07 10:19:58.321 1005-1005 qorvo.uwb....nd_manager android.hardware.qorvo.uwb.service I uci_backend_manager_session_init: MT/GID/OID 2100 CMD
2023-07-07 10:19:58.322 1005-1005 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_init: MT/GID/OID 4100 CMD
2023-07-07 10:19:58.322 1005-1005 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 1 session_id 1
2023-07-07 10:19:58.322 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-07 10:19:58.322 1005-1005 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_init: MT/GID/OID 4100 RSP 0
2023-07-07 10:19:58.322 1005-1005 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 0 (0)
2023-07-07 10:19:58.324 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-07 10:19:58.324 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-07-07 10:19:58.325 1417-2855 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 0, 0)
2023-07-07 10:19:58.325 1417-2855 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : INIT, reasonCode:0
2023-07-07 10:19:58.325 1417-3635 UwbConfManager system_server D setAppConfigurations for protocol: fira
2023-07-07 10:19:58.326 1417-3635 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java: com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-07-07 10:19:58.326 1417-2854 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionSetAppConfig { session_ic
AppConfigTlv { cfg_id: RframeConfig, v: [3] }, AppConfigTlv { cfg_id: PreambleCodeIndex, v: [9] }, AppConfigTlv { cfg_id: SfdId, v: [2] }, AppConfigTlv { cfg_id: PsduDataRate, v: [0] }, AppConfigT
}, AppConfigTlv { cfg_id: UwbInitiationTime, v: [0, 0, 0, 0] }, AppConfigTlv { cfg_id: RssiReporting, v: [1] } } }
2023-07-07 10:19:58.327 1005-1005 qorvo.uwb....nd_manager android.hardware.qorvo.uwb.service I uci_backend_manager_session_set_app_config: MT/GID/OID 2103 CMD
2023-07-07 10:19:58.327 1005-1005 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: MT/GID/OID 4103 CMD
2023-07-07 10:19:58.327 1005-1005 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: session_id=1
2023-07-07 10:19:58.327 1005-1005 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-07-07 10:19:58.327 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_n_cb
2023-07-07 10:19:58.327 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
```



2023-07-07 10:19:58.327 1005-1005 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service | uci_backend_fira_session_set_app_config: mac_state=3
2023-07-07 10:19:58.327 1005-1005 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service | uci_backend_fira_session_set_app_config: uci_state=0
2023-07-07 10:19:58.327 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service | ack_handler
2023-07-07 10:19:58.327 1005-1005 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service | call_fira: call_id 10 session_id 1
2023-07-07 10:19:58.327 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service | report_nLcb
2023-07-07 10:19:58.327 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service | ack_handler
2023-07-07 10:19:58.327 1005-1005 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service | uci_backend_fira_session_set_app_config: mac_state=3
2023-07-07 10:19:58.327 1005-1005 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service | call_fira: call_id 9 session_id 1
2023-07-07 10:19:58.327 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service | report_nLcb
2023-07-07 10:19:58.327 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service | ack_handler
2023-07-07 10:19:58.327 1005-1005 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service | call_fira: call_id 5 session_id 1
2023-07-07 10:19:58.327 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service | ack_handler
2023-07-07 10:19:58.327 1005-1005 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service | uci_backend_fira_session_set_app_config: MT/GID/OID 4103 RSP 0
2023-07-07 10:19:58.327 1005-1005 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service | state_notification_with_code: MT/GID/OID 6102 NTF 3 (0)
2023-07-07 10:19:58.328 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-07 10:19:58.328 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-07-07 10:19:58.328 1417-3635 UwbConfManager system_server I setAppConfigurations respData: UwbConfigStatusData { status = 0 length = 0, tlvs = [] }
2023-07-07 10:19:58.328 1417-2855 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 3, 0)
2023-07-07 10:19:58.328 1417-2855 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : IDLE, reasonCode:0
2023-07-07 10:19:58.329 1417-3635 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingOpened
2023-07-07 10:19:58.329 2680-2697 Uwb.Rangin...n@d90203d com.google.android.gms.persistent V onRangingOpened - sessionHandle: SessionHandle [id=1, package-name: com.goog
2023-07-07 10:19:58.329 1417-2012 UwbSessionManager system_server I sessionInit() : finish - sessionId : 1
2023-07-07 10:19:58.330 2680-3549 Uwb.Rangin...n@d90203d com.google.android.gms.persistent V start - sessionHandle: SessionHandle [id=1, package-name: com.google.android.gr
2023-07-07 10:19:58.331 1417-3603 UwbSessionManager system_server I startRanging() - sessionId: 1, sessionHandle: SessionHandle [id=1, package-name: com.google.;
2023-07-07 10:19:58.332 1417-3646 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeRa
2023-07-07 10:19:58.332 1417-2854 uwb system_server D uwb_core::uci:uci_manager: Received cmd: SendUciCommand { cmd: SessionStart { session_id: 1 } }
2023-07-07 10:19:58.334 1005-1005 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service | uci_backend_fira_ranging_start: MT/GID/OID 4200 CMD
2023-07-07 10:19:58.334 1005-1005 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service | call_fira: call_id 10 session_id 1
2023-07-07 10:19:58.334 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service | report_nLcb
2023-07-07 10:19:58.334 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service | ack_handler
2023-07-07 10:19:58.334 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service | ack_handler
2023-07-07 10:19:58.339 1180-1180 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cd, tag: 0x08, rc: 0
2023-07-07 10:19:58.339 1180-1180 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cb, tag: 0x09, rc: 0
2023-07-07 10:19:58.340 1180-1180 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cd, tag: 0x0a, rc: 0
2023-07-07 10:19:58.350 1180-1180 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cd, tag: 0x0b, rc: 0
2023-07-07 10:19:58.362 1005-1005 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service | call_fira: call_id 2 session_id 1
2023-07-07 10:19:58.369 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service | ack_handler
2023-07-07 10:19:58.369 1005-1005 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service | uci_backend_fira_ranging_start: MT/GID/OID 4200 RSP 0
2023-07-07 10:19:58.369 1005-1005 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service | state_notification_with_code: MT/GID/OID 6102 NTF 2 (0)
2023-07-07 10:19:58.371 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: core notification callback.
2023-07-07 10:19:58.371 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onDeviceStatusNotificationReceived
2023-07-07 10:19:58.371 1417-2855 NativeUwbManager system_server D onDeviceStatusNotificationReceived(2, default)
2023-07-07 10:19:58.371 1417-2855 UwbServiceCore system_server I updateState(): deviceState = ACTIVE, current adapter state = 1
2023-07-07 10:19:58.371 1417-2855 UwbServiceCore system_server D updateState(): state=2, reason=1, chipId=default
2023-07-07 10:19:58.371 1417-2855 UwbServiceCore system_server D chipIdToStateMap = {default=2}
2023-07-07 10:19:58.371 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-07 10:19:58.371 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-07-07 10:19:58.371 1417-2855 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 2, 0)
2023-07-07 10:19:58.371 1417-2855 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : ACTIVE, reasonCode:0
2023-07-07 10:19:58.372 1417-3646 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingStarted
2023-07-07 10:19:58.373 2680-2697 Uwb.Rangin...n@d90203d com.google.android.gms.persistent V onRangingStarted - sessionHandle: SessionHandle [id=1, package-name: com.goog
2023-07-07 10:19:58.373 2680-3365 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging initialized: %s
2023-07-07 10:19:58.375 3204-3204 UwbClientSessionScope com.example.app I Started UWB ranging.
2023-07-07 10:19:58.542 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service | report_nLcb
2023-07-07 10:19:58.543 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-07 10:19:58.543 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-07 10:19:58.544 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-07 10:19:58.544 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-07 10:19:58.545 1417-2855 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 0, SessionId = 1, RcrIndica
2023-07-07 10:19:58.547 1417-2855 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-07-07 10:19:58.548 2680-2697 Uwb.Rangin...n@d90203d com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.googl
2023-07-07 10:20:02.439 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service | report_nLcb
2023-07-07 10:20:02.441 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-07 10:20:02.441 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-07 10:20:02.441 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-07 10:20:02.441 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-07 10:20:02.442 1417-2855 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 1, SessionId = 1, RcrIndica
2023-07-07 10:20:02.443 1417-2855 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-07-07 10:20:02.443 2680-4730 Uwb.Rangin...n@d90203d com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.googl
2023-07-07 10:20:06.463 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service | report_nLcb
2023-07-07 10:20:06.464 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-07 10:20:06.464 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-07 10:20:06.464 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-07 10:20:06.464 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-07 10:20:06.464 1417-2855 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 2, SessionId = 1, RcrIndica
2023-07-07 10:20:06.465 1417-2855 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-07-07 10:20:06.466 2680-4587 Uwb.Rangin...n@d90203d com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.googl
2023-07-07 10:20:10.543 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service | report_nLcb
2023-07-07 10:20:10.545 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-07 10:20:10.545 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-07 10:20:10.545 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-07 10:20:10.545 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-07 10:20:10.545 1417-2855 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 3, SessionId = 1, RcrIndica
2023-07-07 10:20:10.547 1417-2855 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-07-07 10:20:10.547 2680-4177 Uwb.Rangin...n@d90203d com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.googl
2023-07-07 10:20:14.439 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service | report_nLcb

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2023-07-07 10:20:14.440 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-07 10:20:14.441 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-07 10:20:14.441 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-07 10:20:14.441 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-07 10:20:14.441 1417-2855 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 4, SessionId = 1, RcrIndica
2023-07-07 10:20:14.442 1417-2855 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-07-07 10:20:14.443 2680-3420 Uwb.Rangin...n@d90203d com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-07-07 10:20:16.049 1417-2012 UwbSessionManager system_server W Continuous errors or no ranging results detected for 30 seconds. Stopping session
2023-07-07 10:20:16.049 1417-2012 UwbSessionManager system_server I stopRanging() - sessionId: 1, sessionHandle: SessionHandle [id=1, package-name: com.google.a
2023-07-07 10:20:16.057 1417-3819 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeRa
2023-07-07 10:20:16.057 1417-2846 uwb system_server D uwb_core::uci:uci_manager: Received cmd: SendUciCommand { cmd: SessionStop { session_id: 1 } }
2023-07-07 10:20:16.059 1005-1005 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_stop: MT/GID/OID 4201 CMD
2023-07-07 10:20:16.059 1005-1005 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-07-07 10:20:16.059 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nLcb
2023-07-07 10:20:16.059 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-07 10:20:16.059 1005-1005 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 3 session_id 1
2023-07-07 10:20:16.059 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-07 10:20:16.059 1005-1005 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_stop: MT/GID/OID 4201 RSP 0
2023-07-07 10:20:18.463 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nLcb
2023-07-07 10:20:18.463 1005-1005 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I handle_session_stop: session (1) stopped for reason (0)
2023-07-07 10:20:18.463 1005-1005 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 3 (0)
2023-07-07 10:20:18.465 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-07 10:20:18.465 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-07-07 10:20:18.465 1417-2855 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 3, 0)
2023-07-07 10:20:18.465 1417-2855 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : IDLE, reasonCode:0
2023-07-07 10:20:18.466 1417-3819 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingStopped
2023-07-07 10:20:18.466 2680-2695 Uwb.Rangin...n@d90203d com.google.android.gms.persistent V onRangingStopped - sessionHandle: SessionHandle [id=1, package-name: com.goo
2023-07-07 10:20:18.466 1180-1180 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cb, tag: 0x0c, rc: 0
2023-07-07 10:20:18.467 2680-3549 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Suspended: %s reason code (%s)
2023-07-07 10:20:18.467 1180-1180 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cd, tag: 0x0d, rc: 0
2023-07-07 10:20:18.471 3204-3378 LoggingKt com.example.app E [nvsdk] UWB Peer disconnected: androidx.core.uwb.RangingResult$RangingResultPeerDisconnecte
2023-07-07 10:20:18.481 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: core notification callback.
2023-07-07 10:20:18.481 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onDeviceStatusNotificationReceived
2023-07-07 10:20:18.482 1417-2855 NativeUwbManager system_server D onDeviceStatusNotificationReceived(1, default)
2023-07-07 10:20:18.482 1417-2855 UwbServiceCore system_server I updateState(): deviceState = READY, current adapter state = 2
2023-07-07 10:20:18.482 1417-2855 UwbServiceCore system_server D updateState(): state=1, reason=3, chipId=default
2023-07-07 10:20:18.482 1417-2855 UwbServiceCore system_server D chipIdToStateMap = {default=1}
2023-07-07 10:20:18.509 3204-3378 LoggingKt com.example.app D [nvsdk] diagnostic event: UwbRangingDisconnectedEvent(deviceAddress=5B:61, timestampMillis=1
2023-07-07 10:20:18.510 3204-3378 MainActivity com.example.app D UWB Peer disconnected: 5B:61
2023-07-07 10:20:19.652 3204-3369 LoggingKt com.example.app D [nvsdk] Accessory UWB D5:B9:62:17:4E:FC stopped
2023-07-07 10:20:19.670 3204-3255 LoggingKt com.example.app D [nvsdk] stopUwbRanging for D5:B9:62:17:4E:FC with 2 remaining
2023-07-07 10:20:19.933 3204-3255 LoggingKt com.example.app D [nvsdk] Accessory UWB F9:9B:54:CD:1B:A0 stopped
2023-07-07 10:20:19.942 3204-3255 LoggingKt com.example.app D [nvsdk] stopUwbRanging for F9:9B:54:CD:1B:A0 with 1 remaining
2023-07-07 10:20:20.466 3204-3366 LoggingKt com.example.app D [nvsdk] Accessory UWB FC:04:39:EF:77:A4 stopped
2023-07-07 10:20:20.480 3204-3368 LoggingKt com.example.app D [nvsdk] stopUwbRanging for FC:04:39:EF:77:A4 with 0 remaining
2023-07-07 10:20:20.504 3204-3368 LoggingKt com.example.app E [nvsdk] UWB ranging flow failed
kotlinx.coroutines.JobCancellationException: StandaloneCoroutine was cancelled; job=StandaloneCoroutine{Cancelling}@ada4f23
2023-07-07 10:20:20.510 2680-3351 NearbyUWB com.google.android.gms.persistent I stop ranging called. [CONTEXT service_id=49]
2023-07-07 10:20:20.511 2680-3351 UwbBackend com.google.android.gms.persistent I UWB stopRanging called but isRanging is false.
2023-07-07 10:20:20.511 2680-3351 Uwb.Rangin...n@d90203d com.google.android.gms.persistent V close - sessionHandle: SessionHandle [id=1, package-name: com.google.android.gr
2023-07-07 10:20:20.512 1417-17348 UwbSessionManager system_server I deinitSession() - sessionId: 1, sessionHandle: SessionHandle [id=1, package-name: com.google
2023-07-07 10:20:20.518 1417-3847 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-07-07 10:20:20.518 1417-2854 uwb system_server D uwb_core::uci:uci_manager: Received cmd: SendUciCommand { cmd: SessionDeinit { session_id: 1 } }
2023-07-07 10:20:20.519 1005-1005 qorvo.uwb....nd_manager android.hardware.qorvo.uwb.service I uci_backend_manager_session_deinit: MT/GID/OID 2101 CMD
2023-07-07 10:20:20.519 1005-1005 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_deinit: MT/GID/OID 4101 CMD
2023-07-07 10:20:20.519 1005-1005 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-07-07 10:20:20.520 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nLcb
2023-07-07 10:20:20.520 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-07 10:20:20.520 1005-1005 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 4 session_id 1
2023-07-07 10:20:20.520 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-07 10:20:20.520 1005-1005 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_deinit: MT/GID/OID 4101 RSP 0
2023-07-07 10:20:20.520 1005-1005 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 1 (0)
2023-07-07 10:20:20.521 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-07 10:20:20.521 1417-2855 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-07-07 10:20:20.521 1417-2855 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 1, 0)
2023-07-07 10:20:20.521 1417-2855 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : DEINIT, reasonCode:0
2023-07-07 10:20:20.521 1417-3847 UwbSessionManager system_server I onRangingClosed - status : 0
2023-07-07 10:20:20.522 1417-3847 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingClosed
2023-07-07 10:20:20.522 2680-3556 Uwb.Rangin...n@d90203d com.google.android.gms.persistent V onRangingClosed - sessionHandle: SessionHandle [id=1, package-name: com.googl
2023-07-07 10:20:20.523 1417-2012 UwbSessionManager system_server D Detected end of non privileged FIRA session from android.content.AttributionSource@2c391c3
2023-07-07 10:20:20.523 1417-2012 UwbSessionManager system_server I deinit finish : status : 0
2023-07-07 10:20:20.524 1417-2012 UwbSessionManager system_server I onDeinit - Ignoring already deleted session 1
2023-07-07 10:20:20.547 3204-3368 LoggingKt com.example.app D [nvsdk] diagnostic event: UwbRangingErrorEvent(error=StandaloneCoroutine was cancelled, timest
2023-07-07 10:20:20.548 3204-3368 MainActivity com.example.app D UWB error: StandaloneCoroutine was cancelled
2023-07-07 10:20:23.881 3204-3369 LoggingKt com.example.app D [nvsdk] startUWB starting
2023-07-07 10:20:23.887 3204-3369 UwbMangerImpl com.example.app I Creating Gms Client session scope
2023-07-07 10:20:23.901 2680-4587 NearbyUWB com.google.android.gms.persistent I (REDACTED) onGetService: Create client bridge with key %s
2023-07-07 10:20:23.901 2680-4587 NearbyUWB com.google.android.gms.persistent I (REDACTED) Analytics is enabled for package %s
2023-07-07 10:20:23.912 2680-4587 NearbyUWB com.google.android.gms.persistent I (REDACTED) Client %s with package name %s, Op Identifier %s, and sdk version %s has con
2023-07-07 10:20:23.927 1417-2575 UwbConfManager system_server D getCapsInfo for protocol: generic
2023-07-07 10:20:23.927 1417-2575 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeGe
2023-07-07 10:20:23.927 1417-2854 uwb system_server D uwb_core::uci:uci_manager: Received cmd: SendUciCommand { cmd: CoreGetCapsInfo }
2023-07-07 10:20:23.928 1005-1005 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_core_get_caps_info: MT/GID/OID 4003 CMD
2023-07-07 10:20:23.929 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nLcb
2023-07-07 10:20:23.929 1005-1005 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-07 10:20:23.930 1417-2575 UwbConfManager system_server I getCapsInfo respData: UwbTlvData { status = 0 length = 32, tlvs = [[0, 4, 1, 1, 1, 1, 4, 1, 1, 1, 2,

```

2023-07-07 10:20:23.934	1417-2575	FiraDecoder	system_server	W	SUPPORTED_MAX_MESSAGE_SIZE not found.
			java.lang.IllegalArgumentException: Tag type: 18 not present		
			at com.android.server.uwb.params.TlvDecoderBuffer.getTlv(Unknown Source:50)		
			at com.android.server.uwb.params.TlvDecoderBuffer.getShort(Unknown Source:0)		
			at com.android.server.uwb.params.FiraDecoder.getFiraSpecificationParamsFromTlvBuffer(Unknown Source:994)		
			at com.android.server.uwb.params.FiraDecoder.getParams(Unknown Source:8)		
			at com.android.server.uwb.params.GenericDecoder.getSpecificationParamsFromTlvBuffer(Unknown Source:13)		
			at com.android.server.uwb.params.GenericDecoder.getParams(Unknown Source:8)		
			at com.android.server.uwb.UwbConfigurationManager.decodeTLV(Unknown Source:63)		
			at com.android.server.uwb.UwbConfigurationManager.getCapsInfo(Unknown Source:57)		
			at com.android.server.uwb.UwbServiceCore.getSpecificationInfo(Unknown Source:12)		
			at com.android.server.uwb.UwbServiceImpl.getSpecificationInfo(Unknown Source:9)		
			at android.uwb.IUwbAdapter\$Stub.onTransact(IUwbAdapter.java:486)		
			at android.os.Binder.execTransactInternal(Binder.java:1280)		
			at android.os.Binder.execTransact(Binder.java:1244)		
2023-07-07 10:20:23.935	1417-2575	FiraDecoder	system_server	W	SUPPORTED_MAX_DATA_PACKET_PAYLOAD_SIZE not found.
			java.lang.IllegalArgumentException: Tag type: 19 not present		
			at com.android.server.uwb.params.TlvDecoderBuffer.getTlv(Unknown Source:50)		
			at com.android.server.uwb.params.TlvDecoderBuffer.getShort(Unknown Source:0)		
			at com.android.server.uwb.params.FiraDecoder.getFiraSpecificationParamsFromTlvBuffer(Unknown Source:1022)		
			at com.android.server.uwb.params.FiraDecoder.getParams(Unknown Source:8)		
			at com.android.server.uwb.params.GenericDecoder.getSpecificationParamsFromTlvBuffer(Unknown Source:13)		
			at com.android.server.uwb.params.GenericDecoder.getParams(Unknown Source:8)		
			at com.android.server.uwb.UwbConfigurationManager.decodeTLV(Unknown Source:63)		
			at com.android.server.uwb.UwbConfigurationManager.getCapsInfo(Unknown Source:57)		
			at com.android.server.uwb.UwbServiceCore.getSpecificationInfo(Unknown Source:12)		
			at com.android.server.uwb.UwbServiceImpl.getSpecificationInfo(Unknown Source:9)		
			at android.uwb.IUwbAdapter\$Stub.onTransact(IUwbAdapter.java:486)		
			at android.os.Binder.execTransactInternal(Binder.java:1280)		
			at android.os.Binder.execTransact(Binder.java:1244)		
2023-07-07 10:20:23.943	3204-3369	LoggingKt	com.example.app	D	[nvsd] Got UWB local address 2F:BB:randing capabilities: distance true, azimuth true, elevation true
2023-07-07 10:20:24.698	3204-3373	LoggingKt	com.example.app	D	[nvsd] Adding UWB BLE GATT: F9:9B:54:CD:1B:A0
2023-07-07 10:20:24.704	3204-3373	LoggingKt	com.example.app	D	[nvsd] Connecting to UWB BLE GATT: F9:9B:54:CD:1B:A0
2023-07-07 10:20:25.229	3204-3368	LoggingKt	com.example.app	D	[nvsd] Adding UWB BLE GATT: FC:04:39:EF:77:A4
2023-07-07 10:20:25.235	3204-3368	LoggingKt	com.example.app	D	[nvsd] Connecting to UWB BLE GATT: FC:04:39:EF:77:A4
2023-07-07 10:20:25.900	3204-3372	LoggingKt	com.example.app	D	[nvsd] UWB BLE Connected F9:9B:54:CD:1B:A0
2023-07-07 10:20:26.408	3204-3373	LoggingKt	com.example.app	D	[nvsd] UWB BLE Connected FC:04:39:EF:77:A4
2023-07-07 10:20:26.430	3204-3373	LoggingKt	com.example.app	D	[nvsd] Adding UWB BLE GATT: D5:B9:62:17:4E:FC
2023-07-07 10:20:26.436	3204-3373	LoggingKt	com.example.app	D	[nvsd] Connecting to UWB BLE GATT: D5:B9:62:17:4E:FC
2023-07-07 10:20:26.938	3204-3312	LoggingKt	com.example.app	D	[nvsd] UWB BLE Device Ready
2023-07-07 10:20:27.060	3204-3369	LoggingKt	com.example.app	D	[nvsd] Got UWB config data length: 18
2023-07-07 10:20:27.210	3204-3373	LoggingKt	com.example.app	D	[nvsd] Accessory UWB F9:9B:54:CD:1B:A0 started

 **bugreport-cheetah-TQ3A.230705.001-2023-07-07-10-21-16.zip**
18 MB [Download](#)

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We just tried using NearBy UWB (on the Fold) to see if this makes any difference:
implementation("com.google.android.gms:play-services-nearby:18.7.0")

We do see that NearBy UWB RangingCapabilities have more information than JetPack UWB, so we can have notifications and see the supported channels.

However ranging still fails with the same ranging error 37.

```

----- PROCESS STARTED (24471) for package com.example.app -----
2023-07-11 10:16:04.510 1260-1338 AppsFilter system_server I interaction: PackageSetting(f8856a8 com.example.app/10245) -> PackageSetting(2d23ddd com.qorvo
2023-07-11 10:16:04.519 1260-1338 AppsFilter system_server I interaction: PackageSetting(f8856a8 com.example.app/10245) -> PackageSetting(59ae6ee com.google
2023-07-11 10:16:09.523 1260-1338 ActivityManager system_server W Unable to start service Intent { act=androidx.core.uwb.backend.service pkg=androidx.core.uwb.ba
2023-07-11 10:16:09.550 2465-2465 BoundBrokerSvc com.google.android.gms.persistent D onBind: Intent { act=com.google.android.gms.nearby.uwb.service.START dat=chimera-ac
2023-07-11 10:16:09.550 2465-2465 BoundBrokerSvc com.google.android.gms.persistent D Loading bound service for intent: Intent { act=com.google.android.gms.nearby.uwb.servi
2023-07-11 10:16:09.561 2465-24373 NearbyUWB com.google.android.gms.persistent I Use AOSP Backend in UWB API. [CONTEXT service_id=49 ]
2023-07-11 10:16:09.572 2465-24373 NearbyUWB com.google.android.gms.persistent I (REDACTED) Screen unlocked: %s
2023-07-11 10:16:09.607 2465-4494 NearbyUWB com.google.android.gms.persistent I (REDACTED) onGetService: Create client bridge with key %s
2023-07-11 10:16:09.608 2465-4494 NearbyUWB com.google.android.gms.persistent I (REDACTED) Analytics is enabled for package %s
2023-07-11 10:16:09.616 2465-4494 NearbyUWB com.google.android.gms.persistent I (REDACTED) Client %s with package name %s, Op Identifier %s, and sdk version %s has con
2023-07-11 10:16:09.631 1260-2791 UwbConfManager system_server D getCapsInfo for protocol: generic
2023-07-11 10:16:09.643 1260-2791 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeGe
2023-07-11 10:16:09.649 1260-2609 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: CoreGetCapsInfo }
2023-07-11 10:16:09.656 831-831 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_core_get_caps_info: MT/GID/OID 4003 CMD
2023-07-11 10:16:09.657 831-831 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-11 10:16:09.657 831-831 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-11 10:16:09.657 831-831 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-11 10:16:09.657 831-831 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-11 10:16:09.657 831-831 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-11 10:16:09.661 1260-2791 UwbConfManager system_server I getCapsInfo respData: UwbTlvData { status = 0 length = 32, tlvs = [000401010101010401010101
2023-07-11 10:16:09.667 1260-2791 FiraDecoder system_server W SUPPORTED_MAX_MESSAGE_SIZE not found.
java.lang.IllegalArgumentException: Tag type: 18 not present
at com.android.server.uwb.params.TlvDecoderBuffer.getTlv(Unknown Source:50)
at com.android.server.uwb.params.TlvDecoderBuffer.getShort(Unknown Source:0)
at com.android.server.uwb.params.FiraDecoder.getFiraSpecificationParamsFromTlvBuffer(Unknown Source:994)
at com.android.server.uwb.params.FiraDecoder.getParams(Unknown Source:8)
at com.android.server.uwb.params.GenericDecoder.getSpecificationParamsFromTlvBuffer(Unknown Source:13)
at com.android.server.uwb.params.GenericDecoder.getParams(Unknown Source:8)
at com.android.server.uwb.UwbConfigurationManager.decodeTLV(Unknown Source:63)

```



```

at com.android.server.uwb.UwbConfigurationManager.getCapsInfo(Unknown Source:57)
at com.android.server.uwb.UwbServiceCom.getSpecificationInfo(Unknown Source:12)
at com.android.server.uwb.UwbServiceImpl.getSpecificationInfo(Unknown Source:9)
at android.uwb.IUwbAdapter$Stub.onTransact(IUwbAdapter.java:508)
at android.os.Binder.execTransactInternal(Binder.java:1280)
at android.os.Binder.execTransact(Binder.java:1244)

```

```

2023-07-11 10:16:14.364 2465-19710 UwbBackend com.google.android.gms.persistent I UWB parameter: device_address, value: 6855041582811316224
2023-07-11 10:16:14.364 2465-19710 UwbBackend com.google.android.gms.persistent I UWB parameter: diagrams_frame_reports_fields_flags, value: 0
2023-07-11 10:16:14.364 2465-19710 UwbBackend com.google.android.gms.persistent I UWB parameter: measurement_report_type, value: 0
2023-07-11 10:16:14.364 2465-19710 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_device_id, value: null
2023-07-11 10:16:14.364 2465-19710 UwbBackend com.google.android.gms.persistent I UWB parameter: preamble_code_index, value: 9
2023-07-11 10:16:14.364 2465-19710 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_device_id_type, value: 0
2023-07-11 10:16:14.364 2465-19710 UwbBackend com.google.android.gms.persistent I UWB parameter: session_id, value: 1
2023-07-11 10:16:14.364 2465-19710 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_azimuth_lower, value: -3.141592653589793
2023-07-11 10:16:14.364 2465-19710 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_azimuth_upper, value: 3.141592653589793
2023-07-11 10:16:14.364 2465-19710 UwbBackend com.google.android.gms.persistent I UWB parameter: subsession_key, value: null
2023-07-11 10:16:14.364 2465-19710 UwbBackend com.google.android.gms.persistent I UWB parameter: multi_node_mode, value: 0
2023-07-11 10:16:14.364 2465-19710 UwbBackend com.google.android.gms.persistent I UWB parameter: num_of_msrmnt_focus_on_aoa_azimuth, value: 0
2023-07-11 10:16:14.364 2465-19710 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_tx_interval, value: 2000
2023-07-11 10:16:14.364 2465-19710 UwbBackend com.google.android.gms.persistent I UWB parameter: hopping_mode, value: 1
2023-07-11 10:16:14.364 2465-19710 UwbBackend com.google.android.gms.persistent I UWB parameter: sts_segment_count, value: 1
2023-07-11 10:16:14.364 2465-19710 UwbBackend com.google.android.gms.persistent I UWB parameter: link_layer_mode, value: 0
2023-07-11 10:16:14.366 2465-19710 Uwb.Rangin...@6db2c86] com.google.android.gms.persistent V openSession - sessionHandle: SessionHandle [id=1, package-name: com.google.an
2023-07-11 10:16:14.375 1260-1338 UwbSessionManager system_server I initSession() - sessionId: 1, sessionHandle: SessionHandle [id=1, package-name: com.google.an
2023-07-11 10:16:14.376 1260-1338 UwbSessionManager system_server D Found a non fg 3p app/service in the attribution source of request: android.content.AttributionS
2023-07-11 10:16:14.378 1260-1338 UwbSessionManager system_server D Detected start of non privileged FIRA session from android.content.AttributionSource@d5961ff
2023-07-11 10:16:14.380 1260-24593 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-07-11 10:16:14.380 1260-2609 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionInit { session_id: 1, sessio
2023-07-11 10:16:14.381 831-831 qorvo.uwb....nd_manager android.hardware.qorvo.uwb.service I uci_backend_manager_session_init: MT/GID/OID 2100 CMD
2023-07-11 10:16:14.381 831-831 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_init: MT/GID/OID 4100 CMD
2023-07-11 10:16:14.381 831-831 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 1 session_id 1
2023-07-11 10:16:14.381 831-831 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-11 10:16:14.381 831-831 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_init: MT/GID/OID 4100 RSP 0
2023-07-11 10:16:14.383 831-831 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 0 (0)
2023-07-11 10:16:14.384 1260-2612 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-11 10:16:14.384 1260-2612 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-07-11 10:16:14.385 1260-2612 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 0, 0)
2023-07-11 10:16:14.385 1260-2612 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : INIT, reasonCode:0
2023-07-11 10:16:14.385 1260-24593 UwbConfManager system_server D setAppConfigurations for protocol: fira
2023-07-11 10:16:14.385 1260-24593 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-07-11 10:16:14.386 1260-2608 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionSetAppConfig { session_id: 1, session_c
AppConfigTlv { cfg_id: PreambleCodeIndex, v: [9] }, AppConfigTlv { cfg_id: SfdId, v: [2] }, AppConfigTlv { cfg_id: PsduDataRate, v: [0] }, AppConfigTlv { cfg_id: PreambleDuration, v: [1] }, AppCon
VendorId, v: "redacted" }, AppConfigTlv { cfg_id: StaticStslv, v: "redacted" }, AppConfigTlv { cfg_id: RssiReporting, v: [1] } } }
2023-07-11 10:16:14.386 831-831 qorvo.uwb....nd_manager android.hardware.qorvo.uwb.service I uci_backend_manager_session_set_app_config: MT/GID/OID 2103 CMD
2023-07-11 10:16:14.386 831-831 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: MT/GID/OID 4103 CMD
2023-07-11 10:16:14.386 831-831 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: session_id=1
2023-07-11 10:16:14.386 831-831 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-07-11 10:16:14.386 831-831 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-11 10:16:14.386 831-831 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-11 10:16:14.386 831-831 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: mac_state=3
2023-07-11 10:16:14.386 831-831 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: uci_state=0
2023-07-11 10:16:14.386 831-831 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-11 10:16:14.386 831-831 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-07-11 10:16:14.386 831-831 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-11 10:16:14.386 831-831 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-11 10:16:14.386 831-831 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: mac_state=3
2023-07-11 10:16:14.386 831-831 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 9 session_id 1
2023-07-11 10:16:14.386 831-831 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-11 10:16:14.386 831-831 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-11 10:16:14.386 831-831 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 5 session_id 1
2023-07-11 10:16:14.386 831-831 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-11 10:16:14.386 831-831 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: MT/GID/OID 4103 RSP 0
2023-07-11 10:16:14.386 831-831 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 3 (0)
2023-07-11 10:16:14.387 1260-2612 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-11 10:16:14.387 1260-2612 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-07-11 10:16:14.387 1260-2612 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 3, 0)
2023-07-11 10:16:14.387 1260-2612 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : IDLE, reasonCode:0
2023-07-11 10:16:14.387 1260-24593 UwbConfManager system_server I setAppConfigurations respData: UwbConfigStatusData { status = 0, tlvs = [] }
2023-07-11 10:16:14.388 1260-24593 UwbSessionNotiManager system_server I llUwbRangingCallbacks - onRangingOpened
2023-07-11 10:16:14.388 2465-4494 Uwb.Rangin...n@e96f4e0] com.google.android.gms.persistent V onRangingOpened - sessionHandle: SessionHandle [id=1, package-name: com.goog
2023-07-11 10:16:14.388 1260-1834 UwbSessionManager system_server I sessionInit() : finish - sessionId : 1
2023-07-11 10:16:14.392 2465-19710 Uwb.Rangin...n@e96f4
```

2023-07-11	10:16:14.427	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: core notification callback.
2023-07-11	10:16:14.427	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onDeviceStatusNotificationReceived
2023-07-11	10:16:14.427	1260-2612	NativeUwbManager	system_server	D onDeviceStatusNotificationReceived(2, default)
2023-07-11	10:16:14.427	1260-2612	UwbServiceCore	system_server	I updateState(): deviceState = ACTIVE, current adapter state = 1
2023-07-11	10:16:14.427	1260-2612	UwbServiceCore	system_server	D updateState(): state=2, reason=1, chipId=default
2023-07-11	10:16:14.427	1260-2612	UwbServiceCore	system_server	D chipIdToStateMap = {default=2}
2023-07-11	10:16:14.427	1260-2612	UwbServiceCore	system_server	D notifyAdapterState(): adapterState = 2, reason = 1
2023-07-11	10:16:14.427	1260-24594	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingStarted
2023-07-11	10:16:14.427	2465-4494	Uwb.Rangin...n@e96f4e0]	com.google.android.gms.persistent	V onRangingStarted - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-07-11	10:16:14.428	2465-24573	NearbyUWB	com.google.android.gms.persistent	I (REDACTED) Ranging initialized: %s
2023-07-11	10:16:14.431	24471-24471	MainActivity	com.example.app	D UWB ranging initialised
2023-07-11	10:16:14.541	831-831	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-07-11	10:16:14.542	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-11	10:16:14.542	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:14.545	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:14.545	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-11	10:16:14.549	1260-2612	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 0, SessionId = 1, RcrIndica
2023-07-11	10:16:14.562	1260-2612	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-07-11	10:16:14.562	1260-2612	UwbSessionManager	system_server	V Starting error timer for 10000 ms.
2023-07-11	10:16:14.563	2465-4494	Uwb.Rangin...n@e96f4e0]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-07-11	10:16:14.781	831-831	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-07-11	10:16:14.783	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-11	10:16:14.783	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:14.783	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:14.783	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-11	10:16:14.784	1260-2612	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 1, SessionId = 1, RcrIndica
2023-07-11	10:16:14.788	1260-2612	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-07-11	10:16:14.789	2465-4494	Uwb.Rangin...n@e96f4e0]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-07-11	10:16:15.021	831-831	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-07-11	10:16:15.023	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-11	10:16:15.023	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:15.023	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:15.023	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-11	10:16:15.024	1260-2612	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 2, SessionId = 1, RcrIndica
2023-07-11	10:16:15.026	1260-2612	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-07-11	10:16:15.027	2465-4494	Uwb.Rangin...n@e96f4e0]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-07-11	10:16:15.260	831-831	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-07-11	10:16:15.261	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-11	10:16:15.261	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:15.262	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:15.262	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-11	10:16:15.262	1260-2612	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 3, SessionId = 1, RcrIndica
2023-07-11	10:16:15.263	1260-2612	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-07-11	10:16:15.263	2465-4494	Uwb.Rangin...n@e96f4e0]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-07-11	10:16:15.500	831-831	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-07-11					

2023-07-11	10:16:16.702	1260-2612	uw_b		system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:16.702	1260-2612	uw_b		system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:16.702	1260-2612	uw_b		system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-11	10:16:16.702	1260-2612	NativeUwbManager	system_server		D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 9, SessionId = 1, RcrIndic
2023-07-11	10:16:16.703	1260-2612	UwbSessionNotiManager	system_server		I IUwbRangingCallbacks - onRangingResult
2023-07-11	10:16:16.704	2465-4494	Uwb.Rangin...n@e96f4e0]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google	
2023-07-11	10:16:16.940	831-831	qorvo.uwb.uwbmacc	android.hardware.qorvo.uwb.service	I report_nL_cb	
2023-07-11	10:16:16.941	1260-2612	uw_b		system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-11	10:16:16.941	1260-2612	uw_b		system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:16.941	1260-2612	uw_b		system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:16.942	1260-2612	uw_b		system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-11	10:16:16.942	1260-2612	NativeUwbManager	system_server		D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 10, SessionId = 1, RcrIndic
2023-07-11	10:16:16.943	1260-2612	UwbSessionNotiManager	system_server		I IUwbRangingCallbacks - onRangingResult
2023-07-11	10:16:16.943	2465-4494	Uwb.Rangin...n@e96f4e0]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google	
2023-07-11	10:16:17.180	831-831	qorvo.uwb.uwbmacc	android.hardware.qorvo.uwb.service	I report_nL_cb	
2023-07-11	10:16:17.181	1260-2612	uw_b		system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-11	10:16:17.181	1260-2612	uw_b		system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:17.181	1260-2612	uw_b		system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:17.181	1260-2612	uw_b		system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-11	10:16:17.181	1260-2612	NativeUwbManager	system_server		D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 11, SessionId = 1, RcrIndic
2023-07-11	10:16:17.182	2465-4880	Uwb.Rangin...n@e96f4e0]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google	
2023-07-11	10:16:17.183	1260-2612	UwbSessionNotiManager	system_server		I IUwbRangingCallbacks - onRangingResult
2023-07-11	10:16:17.421	831-831	qorvo.uwb.uwbmacc	android.hardware.qorvo.uwb.service	I report_nL_cb	
2023-07-11	10:16:17.421	1260-2612	uw_b		system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-11	10:16:17.422	1260-2612	uw_b		system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:17.422	1260-2612	uw_b		system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:17.422	1260-2612	uw_b		system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-11	10:16:17.422	1260-2612	NativeUwbManager	system_server		D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 12, SessionId = 1, RcrIndic
2023-07-11	10:16:17.422	1260-2612	UwbSessionNotiManager	system_server		I IUwbRangingCallbacks - onRangingResult
2023-07-11	10:16:17.423	2465-4494	Uwb.Rangin...n@e96f4e0]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google	
2023-07-11	10:16:17.661	831-831	qorvo.uwb.uwbmacc	android.hardware.qorvo.uwb.service	I report_nL_cb	
2023-07-11	10:16:17.661	1260-2612	uw_b		system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-11	10:16:17.661	1260-2612	uw_b		system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:17.661	1260-2612	uw_b		system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:17.661	1260-2612	uw_b		system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-11	10:16:17.662	1260-2612	NativeUwbManager	system_server		D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 13, SessionId = 1, RcrIndic
2023-07-11	10:16:17.662	1260-2612	UwbSessionNotiManager	system_server		I IUwbRangingCallbacks - onRangingResult
2023-07-11	10:16:17.663	2465-4880	Uwb.Rangin...n@e96f4e0]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google	
2023-07-11	10:16:17.900	831-831	qorvo.uwb.uwbmacc	android.hardware.qorvo.uwb.service	I report_nL_cb	
2023-07-11	10:16:17.901	1260-2612	uw_b		system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-11	10:16:17.901	1260-2612	uw_b		system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:17.901	1260-2612	uw_b		system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:					

2023-07-11	10:16:19.340	831-831	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nl_cb
2023-07-11	10:16:19.341	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-11	10:16:19.341	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:19.341	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:19.341	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-11	10:16:19.341	1260-2612	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 20, SessionId = 1, RcrIndic
2023-07-11	10:16:19.343	1260-2612	UwbSessionNotiManager	system_server	I UwbRangingCallbacks - onRangingResult
2023-07-11	10:16:19.343	2465-4494	Uwb.Rangin...n@e96f4e0]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-07-11	10:16:19.580	831-831	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nl_cb
2023-07-11	10:16:19.581	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-11	10:16:19.581	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:19.581	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:19.582	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-11	10:16:19.582	1260-2612	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 21, SessionId = 1, RcrIndic
2023-07-11	10:16:19.583	1260-2612	UwbSessionNotiManager	system_server	I UwbRangingCallbacks - onRangingResult
2023-07-11	10:16:19.584	2465-4494	Uwb.Rangin...n@e96f4e0]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-07-11	10:16:19.820	831-831	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nl_cb
2023-07-11	10:16:19.821	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-11	10:16:19.821	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:19.821	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:19.821	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-11	10:16:19.822	1260-2612	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 22, SessionId = 1, RcrIndic
2023-07-11	10:16:19.822	1260-2612	UwbSessionNotiManager	system_server	I UwbRangingCallbacks - onRangingResult
2023-07-11	10:16:19.823	2465-4494	Uwb.Rangin...n@e96f4e0]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-07-11	10:16:20.061	831-831	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nl_cb
2023-07-11	10:16:20.063	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-11	10:16:20.063	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:20.063	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:20.063	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-11	10:16:20.064	1260-2612	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 23, SessionId = 1, RcrIndic
2023-07-11	10:16:20.068	2465-4880	Uwb.Rangin...n@e96f4e0]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-07-11	10:16:20.070	1260-2612	UwbSessionNotiManager	system_server	I UwbRangingCallbacks - onRangingResult
2023-07-11	10:16:20.300	831-831	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nl_cb
2023-07-11	10:16:20.301	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-11	10:16:20.301	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:20.301	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:20.301	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-11	10:16:20.301	1260-2612	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 24, SessionId = 1, RcrIndic
2023-07-11	10:16:20.302	1260-2612	UwbSessionNotiManager	system_server	I UwbRangingCallbacks - onRangingResult
2023-07-11	10:16:20.303	2465-4880	Uwb.Rangin...n@e96f4e0]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-07-11	10:16:20.541	831-831	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nl_cb
2023-07-11	10:16:20.541	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-11	10:16:20.541	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:16:20.542	1260-2612	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-11	10:				


```

2023-07-11 10:16:24.382 1260-2612 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-11 10:16:24.382 1260-2612 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 41, SessionId = 1, RcrIndic
2023-07-11 10:16:24.384 2465-4494 Uwb.Rangin...n@e96f4e0 com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-07-11 10:16:24.389 1260-2612 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-07-11 10:16:24.563 1260-1834 UwbSessionManager system_server W Continuous errors or no ranging results detected for 10000 ms. Stopping session
2023-07-11 10:16:24.563 1260-1834 UwbSessionManager system_server I stopRanging() - sessionId: 1, sessionHandle: SessionHandle [id=1, package-name: com.google.a
2023-07-11 10:16:24.565 1260-1834 UwbSessionManager system_server V Stop timeout: 3000
2023-07-11 10:16:24.566 1260-24683 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeR
2023-07-11 10:16:24.567 1260-2609 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionStop { session_id: 1 } }
2023-07-11 10:16:24.568 831-831 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_stop: MT/GID/OID 4201 CMD
2023-07-11 10:16:24.568 831-831 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-07-11 10:16:24.568 831-831 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-11 10:16:24.568 831-831 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-11 10:16:24.568 831-831 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 3 session_id 1
2023-07-11 10:16:24.568 831-831 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-11 10:16:24.568 831-831 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_stop: MT/GID/OID 4201 RSP 0
2023-07-11 10:16:24.567 831-831 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-11 10:16:24.623 831-831 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I handle_session_stop: session (1) stopped for reason (0)
2023-07-11 10:16:24.623 831-831 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 3 (0)
2023-07-11 10:16:24.623 1260-2612 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-11 10:16:24.623 1260-2612 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-07-11 10:16:24.623 1260-2612 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 3, 0)
2023-07-11 10:16:24.623 1260-2612 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : IDLE, reasonCode:0
2023-07-11 10:16:24.624 2465-4494 Uwb.Rangin...n@e96f4e0 com.google.android.gms.persistent V onRangingStopped - sessionHandle: SessionHandle [id=1, package-name: com.goog
2023-07-11 10:16:24.625 1260-24683 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingStopped
2023-07-11 10:16:24.625 2465-19710 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Suspended: %s reason code (%s)
2023-07-11 10:16:24.627 998-998 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cb, tag: 0x0c, rc: 0
2023-07-11 10:16:24.627 998-998 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cd, tag: 0x0d, rc: 0
2023-07-11 10:16:24.629 24471-24471 MainActivity com.example.app D UWB ranging suspended

```

zi...@google.com <zi...@google.com> #16

Hi,

I'm able to repro the issue on my side. As mentioned in comment#4, we have a known [change](#) in UWB stack: three fields (device address, dest address and static STS vendor ID) are reversed. We've tested on two devices that when the controller side has the reversed bytes while the controlee side keep unchanged, the controlee will get `statusCode = 37` error when ranging starts. Please ask Estimote side to modify their firmware to fit this change.

na...@gmail.com <na...@gmail.com> #17

It would be good if you actually updated the known issue page to say that this has now rolled out and what it rolled out in, as the notes are pretty vague on this point :)

Presumably you still have the issue that multicast does nothing (the original aim of this bug report) ?

I tried changing the order of the bytes we send to Estimote / get from Estimote and the Vendor Id, so the code looks like this (+/- diffs and existing code), but the best I can manage is a Rang I guess I will have to wait and see what Estimote come up with in their firmware update.

```

// TODO - still byte order issues
- private val vendorId = byteArrayOf(0x07, 0x08)
+ private val vendorId = byteArrayOf(0x08, 0x07)

private val estimotePayload = byteArrayOf(
@@@ -346,11 +346,11 @@@
// Estimote code appears to be hard coding the complex channel to 5 with preamble as 9
channel = 0x05
preamble = 0x09
- beaconsConnected[address]?.uwbAddress = byteArrayOf(configData[16], configData[17])
+ beaconsConnected[address]?.uwbAddress = byteArrayOf(configData[17], configData[16])

// SRC_ADDR
- estimotePayload[16] = clientSession.localAddress.address[0]
- estimotePayload[17] = clientSession.localAddress.address[1]
+ estimotePayload[16] = clientSession.localAddress.address[1]
+ estimotePayload[17] = clientSession.localAddress.address[0]

```

...

```

var currentBeaconList = ArrayList<UwbDevice>()
beaconsConnected.keys.forEach {
    beaconsConnected[it]?.uwbAddress?.let { uwbAddress ->
        currentBeaconList.add(
            UwbDevice.createForAddress(uwbAddress)
        )
    }
}
if (currentBeaconList != rangingBeaconList) {
    rangingBeaconList = currentBeaconList
    job?.cancel()
    startRanging(
        devices = rangingBeaconList.toList(),
        uwbChannelNum = channel.toInt(),
        preamble = preamble.toInt(),
    )
}

```

```

        sessionId = sessionId,
        sessionKey = vendorId + stslV
    )
}

...

private suspend fun startRanging(devices: List<UwbDevice>, uwbChannelNum: Int, preamble: Int, sessionId: Int, sessionKey: ByteArray) {
    val uwbChannel = UwbComplexChannel(channel = uwbChannelNum, preambleIndex = preamble)

    var uwbDeviceAddresses = ""
    var flowList: MutableList<Flow<RangingResult>> = mutableListOf()

    if (useMulticast) {
        devices.forEach {
            uwbDeviceAddresses += "${it.address} "
        }
        // Create the ranging parameters.
        val rangingParameters = RangingParameters(
            uwbConfigType = CONFIG_MULTICAST_DS_TWR,
            // SessionKeyInfo is used to encrypt the ranging session.
            sessionId = sessionId,
            sessionKeyInfo = sessionKey,
            complexChannel = uwbChannel,
            peerDevices = devices,
            updateRateType = RangingParameters.RANGING_UPDATE_RATE_AUTOMATIC
        )
        val sessionFlow = clientSession.prepareSession(rangingParameters)
        flowList.add(sessionFlow)
    } else {
        devices.forEach {
            uwbDeviceAddresses += "${it.address} "
            // Create the ranging parameters.
            val rangingParameters = RangingParameters(
                uwbConfigType = CONFIG_UNICAST_DS_TWR,
                // SessionKeyInfo is used to encrypt the ranging session.
                sessionId = sessionId,
                sessionKeyInfo = sessionKey,
                complexChannel = uwbChannel,
                peerDevices = listOf(it),
                updateRateType = RangingParameters.RANGING_UPDATE_RATE_AUTOMATIC
            )
            val sessionFlow = clientSession.prepareSession(rangingParameters)
            flowList.add(sessionFlow)
        }
    }
}

...

```

```

2023-07-13 12:20:46.067 18033-18381 LoggingKit
2023-07-13 12:20:46.094 3249-17782 NearbyUWB
2023-07-13 12:20:46.099 3249-17782 UwbBackend
2023-07-13 12:20:46.099 3249-17782 UwbBackend
2023-07-13 12:20:46.099 3249-17782 UwbBackend
2023-07-13 12:20:46.100 3249-17782 UwbBackend
2023-07-13 12:20:46.100 3249-17782 UwbBackend
2023-07-13 12:20:46.100 3249-17782 UwbBackend
2023-07-13 12:20:46.100 3249-17782 UwbBackend
2023-07-13 12:20:46.100 3249-17782 UwbBackend
2023-07-13 12:20:46.100 3249-17782 UwbBackend
2023-07-13 12:20:46.100 3249-17782 UwbBackend
2023-07-13 12:20:46.100 3249-17782 UwbBackend
2023-07-13 12:20:46.103 3249-17782 UwbBackend
2023-07-13 12:20:46.104 3249-17782 UwbBackend
2023-07-13 12:20:46.104 3249-17782 UwbBackend
2023-07-13 12:20:46.104 3249-17782 UwbBackend
2023-07-13 12:20:46.104 3249-17782 UwbBackend
2023-07-13 12:20:46.104 3249-17782 UwbBackend
2023-07-13 12:20:46.105 3249-17782 UwbBackend
2023-07-13 12:20:46.105 3249-17782 UwbBackend
2023-07-13 12:20:46.105 3249-17782 UwbBackend
2023-07-13 12:20:46.105 3249-17782 UwbBackend
2023-07-13 12:20:46.106 3249-17782 UwbBackend
2023-07-13 12:20:46.106 3249-17782 UwbBackend
2023-07-13 12:20:46.106 3249-17782 UwbBackend
2023-07-13 12:20:46.106 3249-17782 UwbBackend
2023-07-13 12:20:46.106 3249-17782 UwbBackend
2023-07-13 12:20:46.106 3249-17782 UwbBackend
2023-07-13 12:20:46.106 3249-17782 UwbBackend
2023-07-13 12:20:46.106 3249-17782 UwbBackend
2023-07-13 12:20:46.106 3249-17782 UwbBackend
2023-07-13 12:20:46.106 3249-17782 UwbBackend
2023-07-13 12:20:46.106 3249-17782 UwbBackend
2023-07-13 12:20:46.107 3249-17782 UwbBackend

```

```

com.example.app D [nvstsk] Start ranging UWB channel 5 preamble 9 devices: 73:69 B3:C9
com.google.android.gms.persistent I start ranging called. [CONTEXT service_id=49 ]
com.google.android.gms.persistent I Opens UWB session with bundle parameters:
com.google.android.gms.persistent I UWB parameter: aoa_result_request, value: 1
com.google.android.gms.persistent I UWB parameter: has_ranging_control_phase, value: false
com.google.android.gms.persistent I UWB parameter: ul_tdoa_random_window, value: 0
com.google.android.gms.persistent I UWB parameter: range_data_ntf_proximity_near, value: 0
com.google.android.gms.persistent I UWB parameter: is_tx_adaptive_payload_power_enabled, value: false
com.google.android.gms.persistent I UWB parameter: is_diagnostics_enabled, value: false
com.google.android.gms.persistent I UWB parameter: rframe_config, value: 3
com.google.android.gms.persistent I UWB parameter: max_ranging_round_retries, value: 0
com.google.android.gms.persistent I UWB parameter: psdu_data_rate, value: 0
com.google.android.gms.persistent I UWB parameter: is_rssi_reporting_enabled, value: false
com.google.android.gms.persistent I UWB parameter: fcs_type, value: 0
com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_elevation_lower, value: -1.5707963267948966
com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_elevation_upper, value: 1.5707963267948966
com.google.android.gms.persistent I UWB parameter: device_role, value: 0
com.google.android.gms.persistent I UWB parameter: device_type, value: 0
com.google.android.gms.persistent I UWB parameter: block_stride_length, value: 0
com.google.android.gms.persistent I UWB parameter: prf_mode, value: 0
com.google.android.gms.persistent I UWB parameter: slot_duration_rstu, value: 2400
com.google.android.gms.persistent I UWB parameter: protocol_version, value: 1.1
com.google.android.gms.persistent I UWB parameter: slots_per_ranging_round, value: 6
com.google.android.gms.persistent I UWB parameter: min_frames_per_rr, value: 1
com.google.android.gms.persistent I UWB parameter: vendor_id, value: [7, 8]
com.google.android.gms.persistent I UWB parameter: ranging_error_streak_timeout_ms, value: 10000
com.google.android.gms.persistent I UWB parameter: ranging_interval_ms, value: 4000
com.google.android.gms.persistent I UWB parameter: dest_address_list, value: [7598416996304158720]
com.google.android.gms.persistent I UWB parameter: sfd_id, value: 2
com.google.android.gms.persistent I UWB parameter: filter_type, value: 1
com.google.android.gms.persistent I UWB parameter: num_of_msrmrmt_focus_on_range, value: 0
com.google.android.gms.persistent I UWB parameter: channel_number, value: 5
com.google.android.gms.persistent I UWB parameter: session_priority, value: 50
com.google.android.gms.persistent I UWB parameter: is_key_rotation_enabled, value: false
com.google.android.gms.persistent I UWB parameter: session_type, value: 0
com.google.android.gms.persistent I UWB parameter: ul_tdoa_tx_timestamp_type, value: 0
com.google.android.gms.persistent I UWB parameter: sts_config, value: 0
com.google.android.gms.persistent I UWB parameter: num_of_msrmrmt_focus_on_aoa_elevation, value: 0

```

```
2023-07-13 12:20:46.107 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: in_band_termination_attempt_count, value: 3
2023-07-13 12:20:46.107 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_proximity_far, value: 20000
2023-07-13 12:20:46.107 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: bprf_phr_data_rate, value: 0
2023-07-13 12:20:46.107 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: sts_length, value: 1
2023-07-13 12:20:46.107 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: initiation_time_ms, value: 0
2023-07-13 12:20:46.107 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: aoa_type, value: 0
2023-07-13 12:20:46.108 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: has_time_of_flight_report, value: true
2023-07-13 12:20:46.108 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: has_angle_of_arrival_figure_of_merit_report, value: false
2023-07-13 12:20:46.108 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: session_key, value: null
2023-07-13 12:20:46.108 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: mtu_size, value: 1048
2023-07-13 12:20:46.108 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: has_angle_of_arrival_azimuth_report, value: false
2023-07-13 12:20:46.108 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: mac_address_mode, value: 0
2023-07-13 12:20:46.108 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: max_number_of_measurements, value: 0
2023-07-13 12:20:46.109 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: preamble_duration, value: 1
2023-07-13 12:20:46.109 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: key_rotation_rate, value: 0
2023-07-13 12:20:46.109 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: inter_frame_interval, value: 1
2023-07-13 12:20:46.109 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: bundle_version, value: 1
2023-07-13 12:20:46.109 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: scheduled_mode, value: 1
2023-07-13 12:20:46.109 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: has_angle_of_arrival_elevation_report, value: false
2023-07-13 12:20:46.109 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: static_sts_iv, value: [1, 2, 3, 4, 5, 6]
2023-07-13 12:20:46.109 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: application_data_endpoint, value: 0
2023-07-13 12:20:46.110 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_config, value: 1
2023-07-13 12:20:46.110 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: ranging_round_usage, value: 2
2023-07-13 12:20:46.110 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: protocol_name, value: fira
2023-07-13 12:20:46.111 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: has_control_message, value: true
2023-07-13 12:20:46.113 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: has_result_report_phase, value: true
2023-07-13 12:20:46.114 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: device_address, value: -565764703188418560
2023-07-13 12:20:46.114 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: diagrams_frame_reports_fields_flags, value: 0
2023-07-13 12:20:46.114 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: measurement_report_type, value: 0
2023-07-13 12:20:46.114 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_device_id, value: null
2023-07-13 12:20:46.115 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: preamble_code_index, value: 9
2023-07-13 12:20:46.115 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_device_id_type, value: 0
2023-07-13 12:20:46.115 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: session_id, value: 1
2023-07-13 12:20:46.115 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_azimuth_lower, value: -3.141592653589793
2023-07-13 12:20:46.115 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_azimuth_upper, value: 3.141592653589793
2023-07-13 12:20:46.115 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: subsession_key, value: null
2023-07-13 12:20:46.115 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: multi_node_mode, value: 0
2023-07-13 12:20:46.115 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: num_of_msrmr_focus_on_aoa_azimuth, value: 0
2023-07-13 12:20:46.115 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_tx_interval, value: 2000
2023-07-13 12:20:46.116 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: hopping_mode, value: 1
2023-07-13 12:20:46.116 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: sts_segment_count, value: 1
2023-07-13 12:20:46.116 3249-17782 UwbBackend com.google.android.gms.persistent I UWB parameter: link_layer_mode, value: 0
2023-07-13 12:20:46.117 3249-17782 Uwb.Rangin...r@8e6657e] com.google.android.gms.persistent V openSession - sessionHandle: SessionHandle [id=4, package-name: com.google.an
2023-07-13 12:20:46.128 1289-4638 UwbSessionManager system_server I initSession() - sessionId: 1, sessionHandle: SessionHandle [id=4, package-name: com.google.an
2023-07-13 12:20:46.129 1289-4638 UwbSessionManager system_server D Found a non fg 3p app/service in the attribution source of request: android.content.AttributionS
2023-07-13 12:20:46.130 1289-4638 UwbSessionManager system_server D Detected start of non privileged FIRA session from android.content.AttributionSource@460d03
2023-07-13 12:20:46.134 1289-18618 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-07-13 12:20:46.134 1289-2699 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionInit { session_id: 1, sessio
2023-07-13 12:20:46.136 854-854 qorvo.uwb.....nd_manager android.hardware.qorvo.uwb.service I uci_backend_manager_session_init: MT/GID/OID 2100 CMD
2023-07-13 12:20:46.136 854-854 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_init: MT/GID/OID 4100 CMD
2023-07-13 12:20:46.136 854-854 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 1 session_id 1
2023-07-13 12:20:46.137 854-854 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-13 12:20:46.137 854-854 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_init: MT/GID/OID 4100 RSP 0
2023-07-13 12:20:46.138 854-854 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 0 (0)
2023-07-13 12:20:46.139 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-13 12:20:46.140 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-07-13 12:20:46.140 1289-2701 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 0, 0)
2023-07-13 12:20:46.140 1289-2701 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : INIT, reasonCode:0
2023-07-13 12:20:46.140 1289-18618 UwbConfManager system_server D setAppConfigurations for protocol: fira
2023-07-13 12:20:46.140 1289-18618 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-07-13 12:20:46.141 1289-2699 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionSetAppConfig { session_id: 1, sessionKey:
AppConfigTlv { cfg_id: PreambleCodeIndex, v: [9] }, AppConfigTlv { cfg_id: SfdId, v: [2] }, AppConfigTlv { cfg_id: PsduDataRate, v: [0] }, AppConfigTlv { cfg_id: PreambleDuration, v: [1] }, AppCon
VendorId, v: "redacted" }, AppConfigTlv { cfg_id: StaticStslv, v: "redacted" }, AppConfigTlv { cfg_id: RssiReporting, v: [1] ] } }
2023-07-13 12:20:46.141 854-854 qorvo.uwb.....nd_manager android.hardware.qorvo.uwb.service I uci_backend_manager_session_set_app_config: MT/GID/OID 2103 CMD
2023-07-13 12:20:46.142 854-854 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: MT/GID/OID 4103 CMD
2023-07-13 12:20:46.142 854-854 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: session_id=1
2023-07-13 12:20:46.142 854-854 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-07-13 12:20:46.142 854-854 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-13 12:20:46.142 854-854 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-13 12:20:46.142 854-854 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: mac_state=3
2023-07-13 12:20:46.142 854-854 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: uci_state=0
2023-07-13 12:20:46.142 854-854 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-13 12:20:46.142 854-854 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-07-13 12:20:46.142 854-854 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-13 12:20:46.142 854-854 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-13 12:20:46.143 854-854 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 5 session_id 1
2023-07-13 12:20:46.143 854-854 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-13 12:20:46.143 854-854 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: MT/GID/OID 4103 RSP 0
2023-07-13 12:20:46.143 854-854 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 3 (0)
2023-07-13 12:20:46.144 1289-18618 UwbConfManager system_server I setAppConfigurations respData: UwbConfigStatusData { status = 0 length = 0, tlvs = [] }
2023-07-13 12:20:46.144 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-13 12:20:46.144 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
```


2023-07-13 12:20:46.144 1289-2701 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 3, 0)
2023-07-13 12:20:46.144 1289-2701 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : IDLE, reasonCode:0
2023-07-13 12:20:46.145 1289-18618 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingOpened
2023-07-13 12:20:46.145 3249-5182 Uwb.Rangin...on@5ce7fa] com.google.android.gms.persistent V onRangingOpened - sessionHandle: SessionHandle [id=4, package-name: com.google.
2023-07-13 12:20:46.146 1289-1785 UwbSessionManager system_server I sessionInit() : finish - sessionId : 1
2023-07-13 12:20:46.147 3249-17782 Uwb.Rangin...on@5ce7fa] com.google.android.gms.persistent V start - sessionHandle: SessionHandle [id=4, package-name: com.google.android.gr
2023-07-13 12:20:46.148 1289-4638 UwbSessionManager system_server I startRanging() - sessionId: 1, sessionHandle: SessionHandle [id=4, package-name: com.google.:
2023-07-13 12:20:46.149 1289-18620 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeR
2023-07-13 12:20:46.149 1289-2699 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionStart { session_id: 1 } }
2023-07-13 12:20:46.150 854-854 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_start: MT/GID/OID 4200 CMD
2023-07-13 12:20:46.150 854-854 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-07-13 12:20:46.150 854-854 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-13 12:20:46.150 854-854 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-13 12:20:46.150 854-854 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-13 12:20:46.150 854-854 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 2 session_id 1
2023-07-13 12:20:46.151 854-854 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-13 12:20:46.151 854-854 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_start: MT/GID/OID 4200 RSP 0
2023-07-13 12:20:46.151 854-854 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 2 (0)
2023-07-13 12:20:46.151 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-13 12:20:46.151 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-07-13 12:20:46.151 1289-2701 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 2, 0)
2023-07-13 12:20:46.151 1289-2701 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : ACTIVE, reasonCode:0
2023-07-13 12:20:46.152 1289-18620 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingStarted
2023-07-13 12:20:46.152 3249-5182 Uwb.Rangin...on@5ce7fa] com.google.android.gms.persistent V onRangingStarted - sessionHandle: SessionHandle [id=4, package-name: com.google
2023-07-13 12:20:46.153 3249-4200 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging initialized: %s
2023-07-13 12:20:46.157 18033-18033 UwbClientSessionScope com.example.app I Started UWB ranging.
2023-07-13 12:20:46.306 854-854 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-13 12:20:46.308 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-13 12:20:46.308 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-13 12:20:46.318 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-13 12:20:46.318 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-13 12:20:46.319 1289-2701 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 4, SessionId = 1, RcrIndica
2023-07-13 12:20:46.322 1289-2701 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-07-13 12:20:46.322 1289-2701 UwbSessionManager system_server V Starting error timer for 10000 ms.
2023-07-13 12:20:46.322 3249-5182 Uwb.Rangin...on@5ce7fa] com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=4, package-name: com.google
2023-07-13 12:20:48.305 854-854 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-13 12:20:48.306 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-13 12:20:48.306 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-13 12:20:48.306 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-13 12:20:48.307 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-13 12:20:48.307 1289-2701 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 5, SessionId = 1, RcrIndica
2023-07-13 12:20:48.308 1289-2701 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-07-13 12:20:48.308 3249-3303 Uwb.Rangin...on@5ce7fa] com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=4, package-name: com.google
2023-07-13 12:20:52.305 854-854 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-13 12:20:52.306 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-13 12:20:52.306 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-13 12:20:52.307 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-13 12:20:52.307 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-13 12:20:52.307 1289-2701 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 6, SessionId = 1, RcrIndica
2023-07-13 12:20:52.308 1289-2701 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-07-13 12:20:52.308 3249-3303 Uwb.Rangin...on@5ce7fa] com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=4, package-name: com.google
2023-07-13 12:20:56.305 854-854 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-13 12:20:56.307 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-13 12:20:56.307 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-13 12:20:56.307 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-13 12:20:56.307 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-13 12:20:56.307 1289-2701 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 7, SessionId = 1, RcrIndica
2023-07-13 12:20:56.308 1289-2701 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-07-13 12:20:56.308 3249-4766 Uwb.Rangin...on@5ce7fa] com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=4, package-name: com.google
2023-07-13 12:20:56.322 1289-1785 UwbSessionManager system_server W Continuous errors or no ranging results detected for 10000 ms. Stopping session
2023-07-13 12:20:56.322 1289-1785 UwbSessionManager system_server I stopRanging() - sessionId: 1, sessionHandle: SessionHandle [id=4, package-name: com.google.s
2023-07-13 12:20:56.324 1289-1785 UwbSessionManager system_server V Stop timeout: 16000
2023-07-13 12:20:56.325 1289-18664 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeR
2023-07-13 12:20:56.325 1289-2698 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionStop { session_id: 1 } }
2023-07-13 12:20:56.325 854-854 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_stop: MT/GID/OID 4201 CMD
2023-07-13 12:20:56.325 854-854 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-07-13 12:20:56.325 854-854 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-13 12:20:56.325 854-854 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-13 12:20:56.325 854-854 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 3 session_id 1
2023-07-13 12:20:56.325 854-854 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-13 12:20:56.325 854-854 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_stop: MT/GID/OID 4201 RSP 0
2023-07-13 12:21:00.305 854-854 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-13 12:21:00.306 854-854 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I handle_session_stop: session (1) stopped for reason (0)
2023-07-13 12:21:00.306 854-854 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 3 (0)
2023-07-13 12:21:00.306 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-13 12:21:00.306 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-07-13 12:21:00.306 1289-2701 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 3, 0)
2023-07-13 12:21:00.306 1289-2701 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : IDLE, reasonCode:0
2023-07-13 12:21:00.307 1289-18664 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingStopped
2023-07-13 12:21:00.307 3249-3306 Uwb.Rangin...on@5ce7fa] com.google.android.gms.persistent V onRangingStopped - sessionHandle: SessionHandle [id=4, package-name: com.goog
2023-07-13 12:21:00.308 3249-18675 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Suspended: %s reason code (%s)
2023-07-13 12:21:00.311 18033-18381 LoggingKt com.example.app E [nvsdk] UWB Peer disconnected: androidx.core.uwb.RangingResult\$RangingResultPeerDisconnect
2023-07-13 12:21:00.367 18033-18381 LoggingKt com.example.app D [nvsdk] diagnostic event: UwbRangingDisconnectedEvent(deviceAddress=26:F8, timestampMillis=
2023-07-13 12:21:00.367 18033-18381 MainActivity com.example.app D UWB Peer disconnected: 26:F8
2023-07-13 12:21:01.274 18033-18227 LoggingKt com.example.app E [nvsdk] UWB ranging flow failed
kotlinx.coroutines.JobCancellationException: StandaloneCoroutine was cancelled; job=StandaloneCoroutine(Cancelling)@f993286

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2023-07-13 12:21:01.277 3249-18675 NearbyUWB com.google.android.gms.persistent I stop ranging called. [CONTEXT service_id=49]
2023-07-13 12:21:01.277 3249-18675 UwbBackend com.google.android.gms.persistent I UWB stopRanging called but isRanging is false.
2023-07-13 12:21:01.277 3249-18675 Uwb.Rangin...on@5ce7fa] com.google.android.gms.persistent V close - sessionHandle: SessionHandle [id=4, package-name: com.google.android.gr
2023-07-13 12:21:01.278 1289-3563 UwbSessionManager system_server I deinitSession() - sessionId: 1, sessionHandle: SessionHandle [id=4, package-name: com.google
2023-07-13 12:21:01.280 1289-18684 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-07-13 12:21:01.280 1289-2698 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionDeinit { session_id: 1 } }
2023-07-13 12:21:01.280 854-854 qorvo.uwb.....nd_manager android.hardware.qorvo.uwb.service I uci_backend_manager_session_deinit: MT/GID/OID 2101 CMD
2023-07-13 12:21:01.280 854-854 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_deinit: MT/GID/OID 4101 CMD
2023-07-13 12:21:01.280 854-854 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-07-13 12:21:01.280 854-854 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-13 12:21:01.281 854-854 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-13 12:21:01.281 854-854 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 4 session_id 1
2023-07-13 12:21:01.281 854-854 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-13 12:21:01.281 854-854 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_deinit: MT/GID/OID 4101 RSP 0
2023-07-13 12:21:01.281 854-854 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 1 (0)
2023-07-13 12:21:01.281 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-13 12:21:01.281 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-07-13 12:21:01.281 1289-2701 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 1, 0)
2023-07-13 12:21:01.281 1289-2701 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : DEINIT, reasonCode:0
2023-07-13 12:21:01.282 1289-18684 UwbSessionManager system_server I onRangingClosed - status : 0
2023-07-13 12:21:01.282 1289-18684 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingClosed
2023-07-13 12:21:01.282 3249-4766 Uwb.Rangin...on@5ce7fa] com.google.android.gms.persistent V onRangingClosed - sessionHandle: SessionHandle [id=4, package-name: com.google
2023-07-13 12:21:01.283 1289-1785 UwbSessionManager system_server D Detected end of non privileged FIRA session from android.content.AttributionSource@460d030
2023-07-13 12:21:01.283 1289-1785 UwbSessionManager system_server I deinit finish : status :0
2023-07-13 12:21:01.283 1289-1785 UwbSessionManager system_server I onDeinit - Ignoring already deleted session 1
2023-07-13 12:21:01.299 18033-18227 LoggingKt com.example.app D [nvsdk] diagnostic event: UwbRangingErrorEvent(error=StandaloneCoroutine was cancelled, times
2023-07-13 12:21:01.299 18033-18227 MainActivity com.example.app D UWB error: StandaloneCoroutine was cancelled
```

na...@gmail.com <na...@gmail.com> [#18](#)

After trying some more byte swapping, I have managed to get an actual ranging result!

I had to pass in a combined VendorId / STS IV byte array rather than combining them...

```
    uwbChannelNum = channel.toInt(),
    preamble = preamble.toInt(),
    sessionId = sessionId,
-    sessionKey = vendorId + stsIV
+    sessionKey = vendorIdStsIV // vendorId + stsIV
```

It doesn't appear to be ranging to the multiple devices even though it was starting multiple flows, but that could be my code.

Trying multicast still does nothing though...

```
2023-07-13 16:13:49.301 854-854 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-13 16:13:49.301 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-13 16:13:49.301 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-13 16:13:49.302 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-13 16:13:49.302 1289-2701 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-13 16:13:49.302 1289-2701 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 21, SessionId = 1, RcrIndic
2023-07-13 16:13:49.303 1289-2701 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-07-13 16:13:49.304 3249-4766 Uwb.Rangin...n@f0e8e40] com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=18, package-name: com.google
2023-07-13 16:13:49.304 3249-20884 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Result: %s %s
2023-07-13 16:13:49.306 19426-19469 LoggingKt com.example.app D [nvsdk] UWB position for device: 91:30 azimuth: 50.632812 elevation: 23.835938 distance: 0.4
2023-07-13 16:13:49.307 19426-19469 MainActivity com.example.app D Estimate UWB device: 91:30 azimuth: 50.632812 elevation: 23.835938 distance: 0.4
```

zi...@google.com <zi...@google.com> [#19](#)

Hi,

Seems all the logs above are about unicast case. Can you attach multisession bug report also so that we can debug?

na...@gmail.com <na...@gmail.com> [#20](#)

The multicast call doesn't actually produce anything in the way of UWB logging...

This is the code (using useMulticast set to true):

```
private suspend fun startRanging(devices: List<UwbDevice>, uwbChannelNum: Int, preamble: Int, sessionId: Int, sessionKey: ByteArray) {
    val uwbChannel = UwbComplexChannel(channel = uwbChannelNum, preambleIndex = preamble)

    var uwbDeviceAddresses = ""
    var flowList: MutableList<Flow<RangingResult>> = mutableListOf()

    if (useMulticast) {
        devices.forEach {
            uwbDeviceAddresses += "${it.address} "
        }
        // Create the ranging parameters.
        val rangingParameters = RangingParameters(
            uwbConfigType = CONFIG_MULTICAST_DS_TWR,
            // SessionKeyInfo is used to encrypt the ranging session.
            sessionId = sessionId,
            sessionKeyInfo = sessionKey,
            complexChannel = uwbChannel,
        )
    }
}
```

```

        peerDevices = devices,
        updateRateType = RangingParameters.RANGING_UPDATE_RATE_AUTOMATIC
    )
    val sessionFlow = clientSession.prepareSession(rangingParameters)
    flowList.add(sessionFlow)
} else {
    devices.forEach {
        uwbDeviceAddresses += "${it.address} "
        // Create the ranging parameters.
        val rangingParameters = RangingParameters(
            uwbConfigType = CONFIG_UNICAST_DS_TWR,
            // SessionKeyInfo is used to encrypt the ranging session.
            sessionId = sessionId,
            sessionKeyInfo = sessionKey,
            complexChannel = uwbChannel,
            peerDevices = listOf(it),
            updateRateType = RangingParameters.RANGING_UPDATE_RATE_AUTOMATIC
        )
        val sessionFlow = clientSession.prepareSession(rangingParameters)
        flowList.add(sessionFlow)
    }
}
}
log(DEBUG,"Start ranging UWB channel $uwbChannelNum preamble $preamble devices: $uwbDeviceAddresses")

// Start a coroutine scope that initiates ranging.
job = scope.launch(uwbHandler) {
    try {
        flowList.forEach { sessionFlow ->
            sessionFlow.collect {
                when (it) {
                    is RangingResult.RangingResultPosition -> processRanging(it)
                    is RangingResult.RangingResultPeerDisconnected -> {
                        log(ERROR, "UWB Peer disconnected: $it")
                        diagnosticEventListener.onEvent(
                            SamplingEvent.DiagnosticEvent.UwbRangingDisconnectedEvent(
                                it.device.address.toString()
                            )
                        )
                        cancelUwbRanging()
                    }
                }
            }
        }
    } catch (ex: Exception) {
        log(ERROR, ex,"UWB ranging flow failed")
        diagnosticEventListener.onEvent(SamplingEvent.DiagnosticEvent.UwbRangingErrorEvent(ex.message ?: "UWB ranging flow failed"))
        cancelUwbRanging()
    }
}
}
}

```

Which shows this in the logcat, with no signs of errors or any ranging:


```

2023-07-18 08:58:28.750 23713-23859 LoggingKt      com.example.app      D [nvssdk] Start ranging UWB channel 5 preamble 9 devices: 91:30 B3:C9
2023-07-18 09:00:19.150 1266-2745 UwbConfManager    system_server      D getCapsInfo for protocol: generic
2023-07-18 09:00:19.150 1266-2745 uwb              system_server      D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeGe
2023-07-18 09:00:19.150 1266-2619 uwb              system_server      D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: CoreGetCapsInfo }
2023-07-18 09:00:19.151 848-848 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_core_get_caps_info: MT/GID/OID 4003 CMD
2023-07-18 09:00:19.151 848-848 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-18 09:00:19.151 848-848 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-18 09:00:19.151 1266-2745 UwbConfManager    system_server      I getCapsInfo respData: UwbTlvData { status = 0 length = 32, tlvs = [0004010101010101010101
2023-07-18 09:00:19.152 1266-2745 FiraDecoder       system_server      W SUPPORTED_MAX_MESSAGE_SIZE not found.
java.lang.IllegalArgumentException: Tag type: 18 not present
    at com.android.server.uwb.params.TlvDecoderBuffer.getTlv(Unknown Source:50)
    at com.android.server.uwb.params.TlvDecoderBuffer.getShort(Unknown Source:0)
    at com.android.server.uwb.params.FiraDecoder.getFiraSpecificationParamsFromTlvBuffer(Unknown Source:994)
    at com.android.server.uwb.params.FiraDecoder.getParams(Unknown Source:8)
    at com.android.server.uwb.params.GenericDecoder.getSpecificationParamsFromTlvBuffer(Unknown Source:13)
    at com.android.server.uwb.params.GenericDecoder.getParams(Unknown Source:8)
    at com.android.server.uwb.UwbConfigurationManager.decodeTLV(Unknown Source:63)
    at com.android.server.uwb.UwbConfigurationManager.getCapsInfo(Unknown Source:57)
    at com.android.server.uwb.UwbServiceCore.getSpecificationInfo(Unknown Source:12)
    at com.android.server.uwb.UwbServiceImpl.getSpecificationInfo(Unknown Source:9)
    at com.android.server.uwb.UwbServiceImpl.dumpPowerStats(Unknown Source:6)
    at com.android.server.uwb.UwbServiceImpl.dump(Unknown Source:111)
    at android.os.Binder.doDump(Binder.java:985)
    at android.os.Binder.dump(Binder.java:975)
    at android.os.Binder.onTransact(Binder.java:856)
    at android.uwb.IUwbAdapter$Stub.onTransact(IUwbAdapter.java:793)
    at android.os.Binder.execTransactInternal(Binder.java:1285)
    at android.os.Binder.execTransact(Binder.java:1244)
2023-07-18 09:00:19.152 1266-2745 FiraDecoder       system_server      W SUPPORTED_MAX_DATA_PACKET_PAYLOAD_SIZE not found.
java.lang.IllegalArgumentException: Tag type: 19 not present
    at com.android.server.uwb.params.TlvDecoderBuffer.getTlv(Unknown Source:50)
    at com.android.server.uwb.params.TlvDecoderBuffer.getShort(Unknown Source:0)

```



```
at com.android.server.uwb.params.FiraDecoder.getFiraSpecificationParamsFromTlvBuffer(Unknown Source:1022)
at com.android.server.uwb.params.FiraDecoder.getParams(Unknown Source:8)
at com.android.server.uwb.params.GenericDecoder.getSpecificationParamsFromTlvBuffer(Unknown Source:13)
at com.android.server.uwb.params.GenericDecoder.getParams(Unknown Source:8)
at com.android.server.uwb.UwbConfigurationManager.decodeTLV(Unknown Source:63)
at com.android.server.uwb.UwbConfigurationManager.getCapsInfo(Unknown Source:57)
at com.android.server.uwb.UwbServiceCore.getSpecificationInfo(Unknown Source:12)
at com.android.server.uwb.UwbServiceImpl.getSpecificationInfo(Unknown Source:9)
at com.android.server.uwb.UwbServiceImpl.dumpPowerStats(Unknown Source:6)
at com.android.server.uwb.UwbServiceImpl.dump(Unknown Source:111)
at android.os.Binder.doDump(Binder.java:985)
at android.os.Binder.dump(Binder.java:975)
at android.os.Binder.onTransact(Binder.java:856)
at android.uwb.IUwbAdapter$Stub.onTransact(IUwbAdapter.java:793)
at android.os.Binder.execTransactInternal(Binder.java:1285)
at android.os.Binder.execTransact(Binder.java:1244)
2023-07-18 09:00:19.153 1266-2745 uwb system_server D uwb_uci_jni_rust:uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeGe
2023-07-18 09:00:19.153 1266-2619 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: AndroidGetPowerStats }
2023-07-18 09:00:19.153 848-848 qorvo.uwb....end_common android.hardware.qorvo.uwb.service I uci_backend_common_get_android_powerstats: MT/GID/OID 4c00 CMD
2023-07-18 09:00:19.153 848-848 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I uwbmac_get_power_stats
2023-07-18 09:00:19.154 848-848 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-18 09:03:28.865 2461-4959 NearbyUWB com.google.android.gms.persistent I (REDACTED) Client %s (%s) disconnecting %s
2023-07-18 09:03:28.866 2461-28834 NearbyUWB com.google.android.gms.persistent I stop ranging called. [CONTEXT service_id=49 ]
2023-07-18 09:03:28.878 2461-29216 NearbyUWB com.google.android.gms.persistent I (REDACTED) User opted in for analytics reporting: %s.
2023-07-18 09:03:28.878 2461-29216 NearbyUWB com.google.android.gms.persistent I AnalyticsLogger is shutdown. [CONTEXT service_id=49 ]
```

 **bugreport-felix-TQ3C.230705.001.C1-2023-07-18-08-58-54.zip**
11 MB [Download](#)

zi...@google.com <zi...@google.com> #21

I found this in the log:

```
07-18 08:57:06.423 10137 2461 4261 W Binder : Caught a RuntimeException from the binder stub implementation.
07-18 08:57:06.423 10137 2461 4261 W Binder : java.lang.IllegalArgumentException: For the Controlee, startRanging should only has one peer Controller d
07-18 08:57:06.423 10137 2461 4261 W Binder : at acbz.c(:com.google.android.gms@232516044@23.25.16 (190400-545961669):0)
07-18 08:57:06.423 10137 2461 4261 W Binder : at bjqc.k(:com.google.android.gms@232516044@23.25.16 (190400-545961669):8)
07-18 08:57:06.423 10137 2461 4261 W Binder : at bjqc.ep(:com.google.android.gms@232516044@23.25.16 (190400-545961669):12)
07-18 08:57:06.423 10137 2461 4261 W Binder : at hfo.onTransact(:com.google.android.gms@232516044@23.25.16 (190400-545961669):5)
07-18 08:57:06.423 10137 2461 4261 W Binder : at android.os.Binder.transact(Binder.java:1164)
07-18 08:57:06.423 10137 2461 4261 W Binder : at aorn.onTransact(:com.google.android.gms@232516044@23.25.16 (190400-545961669):22)
07-18 08:57:06.423 10137 2461 4261 W Binder : at android.os.Binder.execTransactInternal(Binder.java:1285)
07-18 08:57:06.423 10137 2461 4261 W Binder : at android.os.Binder.execTransact(Binder.java:1244)
```

Controlee cannot have multiple controllers as peer devices. You may need to check whether it's controller or controlee when creating rangingParameter.

na...@gmail.com <na...@gmail.com> #22

I actually think this will require another firmware update from Estimote, as I am pretty sure that they run the beacons as the controller.

However I tried switching over to running the app as a Controller.

I don't see any ranging reports from anything other than the first device in the list, which makes me think it isn't using the full list...

I also seem to get a random address in the Peer disconnected when it was only attempting 91:30:

2023-07-19 14:56:06.784 15802-15932 LoggingKt com.example.app E [nvssdk] UWB Peer disconnected: 10:A8 with ranging devices 91:30 B3:C9 73:69

I have attached the bug report for this run.

I will just try multiple unicast sessions and add a reply below...


UWB logcat:

```
2023-07-19 14:55:50.712 15802-15934 LoggingKt com.example.app D [nvssdk] Start ranging UWB channel 5 preamble 9 devices: 91:30 B3:C9 73:69
2023-07-19 14:55:50.731 6613-14176 NearbyUWB com.google.android.gms.persistent I start ranging called. [CONTEXT service_id=49 ]
2023-07-19 14:55:50.738 6613-14176 UwbBackend com.google.android.gms.persistent I Opens UWB session with bundle parameters:
2023-07-19 14:55:50.738 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: aoa_result_request, value: 1
2023-07-19 14:55:50.738 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: has_ranging_control_phase, value: false
2023-07-19 14:55:50.738 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_random_window, value: 0
2023-07-19 14:55:50.738 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_proximity_near, value: 0
2023-07-19 14:55:50.738 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: is_tx_adaptive_payload_power_enabled, value: false
2023-07-19 14:55:50.738 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: is_diagnostics_enabled, value: false
2023-07-19 14:55:50.738 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: rframe_config, value: 3
2023-07-19 14:55:50.738 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: max_ranging_round_retries, value: 0
2023-07-19 14:55:50.738 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: psdu_data_rate, value: 0
2023-07-19 14:55:50.738 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: is_rssi_reporting_enabled, value: false
2023-07-19 14:55:50.738 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: fcs_type, value: 0
2023-07-19 14:55:50.739 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_elevation_lower, value: -1.5707963267948966
2023-07-19 14:55:50.739 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_elevation_upper, value: 1.5707963267948966
2023-07-19 14:55:50.740 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: device_role, value: 1
2023-07-19 14:55:50.740 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: device_type, value: 1
2023-07-19 14:55:50.740 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: block_stride_length, value: 0
2023-07-19 14:55:50.740 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: prf_mode, value: 0
2023-07-19 14:55:50.740 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: slot_duration_rstu, value: 2400
2023-07-19 14:55:50.740 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: protocol_version, value: 1.1
```

```
2023-07-19 14:55:50.740 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: slots_per_ranging_round, value: 20
2023-07-19 14:55:50.740 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: min_frames_per_rr, value: 1
2023-07-19 14:55:50.740 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: vendor_id, value: [7, 8]
2023-07-19 14:55:50.740 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: ranging_error_streak_timeout_ms, value: 10000
2023-07-19 14:55:50.740 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: ranging_interval_ms, value: 4000
2023-07-19 14:55:50.740 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: dest_address_list, value: [3499578385443586048, -39127836512548290]
2023-07-19 14:55:50.740 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: sfid_id, value: 2
2023-07-19 14:55:50.740 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: filter_type, value: 1
2023-07-19 14:55:50.740 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: num_of_msrmrmt_focus_on_range, value: 0
2023-07-19 14:55:50.740 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: channel_number, value: 5
2023-07-19 14:55:50.740 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: session_priority, value: 50
2023-07-19 14:55:50.741 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: is_key_rotation_enabled, value: false
2023-07-19 14:55:50.742 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: session_type, value: 0
2023-07-19 14:55:50.742 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_tx_timestamp_type, value: 0
2023-07-19 14:55:50.742 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: sts_config, value: 0
2023-07-19 14:55:50.742 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: num_of_msrmrmt_focus_on_aoa_elevation, value: 0
2023-07-19 14:55:50.742 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: in_band_termination_attempt_count, value: 3
2023-07-19 14:55:50.742 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_proximity_far, value: 20000
2023-07-19 14:55:50.742 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: bprf_phr_data_rate, value: 0
2023-07-19 14:55:50.742 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: sts_length, value: 1
2023-07-19 14:55:50.742 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: initiation_time_ms, value: 0
2023-07-19 14:55:50.742 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: aoa_type, value: 0
2023-07-19 14:55:50.742 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: has_time_of_flight_report, value: true
2023-07-19 14:55:50.742 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: has_angle_of_arrival_figure_of_merit_report, value: false
2023-07-19 14:55:50.742 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: session_key, value: null
2023-07-19 14:55:50.742 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: mtu_size, value: 1048
2023-07-19 14:55:50.742 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: has_angle_of_arrival_azimuth_report, value: false
2023-07-19 14:55:50.742 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: mac_address_mode, value: 0
2023-07-19 14:55:50.742 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: max_number_of_measurements, value: 0
2023-07-19 14:55:50.742 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: preamble_duration, value: 1
2023-07-19 14:55:50.743 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: key_rotation_rate, value: 0
2023-07-19 14:55:50.743 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: inter_frame_interval, value: 1
2023-07-19 14:55:50.743 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: bundle_version, value: 1
2023-07-19 14:55:50.743 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: scheduled_mode, value: 1
2023-07-19 14:55:50.743 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: has_angle_of_arrival_elevation_report, value: false
2023-07-19 14:55:50.743 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: static_sts_iv, value: [1, 2, 3, 4, 5, 6]
2023-07-19 14:55:50.743 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: application_data_endpoint, value: 0
2023-07-19 14:55:50.743 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_config, value: 1
2023-07-19 14:55:50.743 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: ranging_round_usage, value: 2
2023-07-19 14:55:50.743 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: protocol_name, value: fira
2023-07-19 14:55:50.743 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: has_control_message, value: true
2023-07-19 14:55:50.743 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: has_result_report_phase, value: true
2023-07-19 14:55:50.743 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: device_address, value: -6336564675710287872
2023-07-19 14:55:50.743 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: diagrams_frame_reports_fields_flags, value: 0
2023-07-19 14:55:50.743 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: measurement_report_type, value: 0
2023-07-19 14:55:50.743 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_device_id, value: null
2023-07-19 14:55:50.743 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: preamble_code_index, value: 9
2023-07-19 14:55:50.744 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_device_id_type, value: 0
2023-07-19 14:55:50.744 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: session_id, value: 1
2023-07-19 14:55:50.744 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_azimuth_lower, value: -3.141592653589793
2023-07-19 14:55:50.744 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_azimuth_upper, value: 3.141592653589793
2023-07-19 14:55:50.744 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: subsession_key, value: null
2023-07-19 14:55:50.744 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: multi_node_mode, value: 1
2023-07-19 14:55:50.744 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: num_of_msrmrmt_focus_on_aoa_azimuth, value: 0
2023-07-19 14:55:50.744 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_tx_interval, value: 2000
2023-07-19 14:55:50.744 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: hopping_mode, value: 1
2023-07-19 14:55:50.744 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: sts_segment_count, value: 1
2023-07-19 14:55:50.744 6613-14176 UwbBackend com.google.android.gms.persistent I UWB parameter: link_layer_mode, value: 0
2023-07-19 14:55:50.744 6613-14176 Uwb.Rangin...r@20ee5c6f com.google.android.gms.persistent V openSession - sessionHandle: SessionHandle [id=2, package-name: com.google.an
2023-07-19 14:55:50.748 1281-1455 UwbSessionManager system_server I initSession() - sessionId: 1, sessionHandle: SessionHandle [id=2, package-name: com.google.an
2023-07-19 14:55:50.750 1281-1455 UwbSessionManager system_server D Found a non fg 3p app/service in the attribution source of request: android.content.AttributionS
2023-07-19 14:55:50.750 1281-1455 UwbSessionManager system_server D Detected start of non privileged FIRA session from android.content.AttributionSource[atf938c6
2023-07-19 14:55:50.752 1281-15989 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-07-19 14:55:50.752 1281-2614 uwb system_server D uwb_core::uci:uci_manager: Received cmd: SendUciCommand { cmd: SessionInit { session_id: 1, sessio
2023-07-19 14:55:50.753 856-856 qorvo.uwb.....nd_manager android.hardware.qorvo.uwb.service I uci_backend_manager_session_init: MT/GID/OID 2100 CMD
2023-07-19 14:55:50.753 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_init: MT/GID/OID 4100 CMD
2023-07-19 14:55:50.753 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 1 session_id 1
2023-07-19 14:55:50.753 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 14:55:50.753 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_init: MT/GID/OID 4100 RSP 0
2023-07-19 14:55:50.753 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 0 (0)
2023-07-19 14:55:50.754 1281-2623 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 14:55:50.754 1281-2623 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-07-19 14:55:50.754 1281-2623 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 0, 0)
2023-07-19 14:55:50.755 1281-2623 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : INIT, reasonCode:0
2023-07-19 14:55:50.755 1281-15989 UwbConfManager system_server D setAppConfigurations for protocol: fira
2023-07-19 14:55:50.755 1281-15989 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-07-19 14:55:50.755 1281-2614 uwb system_server D uwb_core::uci:uci_manager: Received cmd: SendUciCommand { cmd: SessionSetAppConfig { session_id
AppConfigTlv { cfg_id: PreambleCodeIndex, v: [9] }, AppConfigTlv { cfg_id: SfidId, v: [2] }, AppConfigTlv { cfg_id: PsduDataRate, v: [0] }, AppConfigTlv { cfg_id: PreambleDuration, v: [1] }, AppCon
AppConfigTlv { cfg_id: VendorId, v: "redacted" }, AppConfigTlv { cfg_id: StaticStsIv, v: "redacted" }, AppConfigTlv { cfg_id: RssiReporting, v: [1] } } }
2023-07-19 14:55:50.756 856-856 qorvo.uwb.....nd_manager android.hardware.qorvo.uwb.service I uci_backend_manager_session_set_app_config: MT/GID/OID 2103 CMD
2023-07-19 14:55:50.756 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: MT/GID/OID 4103 CMD
2023-07-19 14:55:50.756 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: session_id=1
2023-07-19 14:55:50.756 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-07-19 14:55:50.756 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 14:55:50.756 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 14:55:50.756 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: mac_state=3
```

2023-07-19 14:55:50.756 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: uci_state=0
2023-07-19 14:55:50.756 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 12 session_id 1
2023-07-19 14:55:50.756 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 14:55:50.756 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 14:55:50.756 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-07-19 14:55:50.756 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 14:55:50.756 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 14:55:50.756 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: mac_state=3
2023-07-19 14:55:50.756 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 9 session_id 1
2023-07-19 14:55:50.756 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 14:55:50.756 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 14:55:50.757 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 5 session_id 1
2023-07-19 14:55:50.757 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 14:55:50.757 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: MT/GID/OID 4103 RSP 0
2023-07-19 14:55:50.757 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 3 (0)
2023-07-19 14:55:50.757 1281-15989 UwbConfManager system_server I setAppConfigurations respData: UwbConfigStatusData { status = 0 length = 0, tlvs = [] }
2023-07-19 14:55:50.757 1281-2623 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 14:55:50.757 1281-2623 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-07-19 14:55:50.757 1281-2623 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 3, 0)
2023-07-19 14:55:50.757 1281-2623 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : IDLE, reasonCode:0
2023-07-19 14:55:50.758 1281-15989 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingOpened
2023-07-19 14:55:50.758 1281-1842 UwbSessionManager system_server I sessionInit() : finish - sessionId : 1
2023-07-19 14:55:50.758 6613-7378 Uwb.Rangin...n@c8487fc com.google.android.gms.persistent V onRangingOpened - sessionHandle: SessionHandle [id=2, package-name: com.google.android.gms] (REDACTED)
2023-07-19 14:55:50.759 6613-14176 Uwb.Rangin...n@c8487fc com.google.android.gms.persistent V start - sessionHandle: SessionHandle [id=2, package-name: com.google.android.gms] (REDACTED)
2023-07-19 14:55:50.759 1281-1455 UwbSessionManager system_server I startRanging() - sessionId: 1, sessionHandle: SessionHandle [id=2, package-name: com.google.android.gms] (REDACTED)
2023-07-19 14:55:50.760 1281-15990 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeRangingStart
2023-07-19 14:55:50.760 1281-2614 uwb system_server D uwb_core::uci:uci_manager: Received cmd: SendUciCommand { cmd: SessionStart { session_id: 1 } }
2023-07-19 14:55:50.760 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_start: MT/GID/OID 4200 CMD
2023-07-19 14:55:50.760 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-07-19 14:55:50.760 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 14:55:50.760 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 14:55:50.760 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 14:55:50.764 1035-1035 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cd, tag: 0x8c, rc: 0
2023-07-19 14:55:50.764 1035-1035 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cb, tag: 0x8d, rc: 0
2023-07-19 14:55:50.765 1035-1035 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cd, tag: 0x8e, rc: 0
2023-07-19 14:55:50.776 1035-1035 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cd, tag: 0x8f, rc: 0
2023-07-19 14:55:50.788 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 2 session_id 1
2023-07-19 14:55:50.788 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 14:55:50.788 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_start: MT/GID/OID 4200 RSP 0
2023-07-19 14:55:50.789 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 2 (0)
2023-07-19 14:55:50.790 1281-2623 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 14:55:50.790 1281-2623 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-07-19 14:55:50.790 1281-2623 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 2, 0)
2023-07-19 14:55:50.790 1281-2623 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : ACTIVE, reasonCode:0
2023-07-19 14:55:50.791 1281-2623 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: core notification callback.
2023-07-19 14:55:50.791 1281-2623 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onDeviceStatusNotificationReceived
2023-07-19 14:55:50.791 1281-2623 NativeUwbManager system_server D onDeviceStatusNotificationReceived(2, default)
2023-07-19 14:55:50.791 1281-2623 UwbServiceCore system_server I updateState(): deviceState = ACTIVE, current adapter state = 1
2023-07-19 14:55:50.791 1281-2623 UwbServiceCore system_server D updateState(): state=2, reason=1, chipId=default
2023-07-19 14:55:50.791 1281-2623 UwbServiceCore system_server D chipIdToStateMap = {default=2}
2023-07-19 14:55:50.791 1281-2623 UwbServiceCore system_server D notifyAdapterState(): adapterState = 2, reason = 1
2023-07-19 14:55:50.791 1281-15990 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingStarted
2023-07-19 14:55:50.792 6613-6786 Uwb.Rangin...n@c8487fc com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=2, package-name: com.google.android.gms] (REDACTED)
2023-07-19 14:55:50.792 6613-15925 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging initialized: %s
2023-07-19 14:55:50.795 15802-15802 UwbClientSessionScope com.example.app I Started UWB ranging.
2023-07-19 14:55:50.828 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 14:55:50.829 1281-2623 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 14:55:50.829 1281-2623 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-19 14:55:50.829 1281-2623 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-19 14:55:50.829 1281-2623 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-19 14:55:50.830 1281-2623 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 0, SessionId = 1, RcrIndica
Distance = 0, AoaAzimuth = 0.0, AoaAzimuthFom = 0, AoaElevation = 0.0, AoaElevationFom = 0, AoaDestAzimuth = 0.0, AoaDestAzimuthFom = 0, AoaDestElevation = 0.0, AoaDestElevationFc
2023-07-19 14:55:50.831 1281-2623 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-07-19 14:55:50.831 1281-2623 UwbSessionManager system_server V Starting error timer for 10000 ms.
2023-07-19 14:55:50.832 6613-6786 Uwb.Rangin...n@c8487fc com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=2, package-name: com.google.android.gms] (REDACTED)
2023-07-19 14:55:58.748 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 14:55:58.748 1281-2623 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 14:55:58.749 1281-2623 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-19 14:55:58.749 1281-2623 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-19 14:55:58.749 1281-2623 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-19 14:55:58.749 1281-2623 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 1, SessionId = 1, RcrIndica
Distance = 0, AoaAzimuth = 0.0, AoaAzimuthFom = 0, AoaElevation = 0.0, AoaElevationFom = 0, AoaDestAzimuth = 0.0, AoaDestAzimuthFom = 0, AoaDestElevation = 0.0, AoaDestElevationFc
2023-07-19 14:55:58.751 1281-2623 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-07-19 14:55:58.751 6613-6786 Uwb.Rangin...n@c8487fc com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=2, package-name: com.google.android.gms] (REDACTED)
2023-07-19 14:56:00.832 1281-1842 UwbSessionManager system_server W Continuous errors or no ranging results detected for 10000 ms. Stopping session
2023-07-19 14:56:00.832 1281-1842 UwbSessionManager system_server I stopRanging() - sessionId: 1, sessionHandle: SessionHandle [id=2, package-name: com.google.android.gms] (REDACTED)
2023-07-19 14:56:00.834 1281-1842 UwbSessionManager system_server V Stop timeout: 16000
2023-07-19 14:56:00.835 1281-16042 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeRangingStop
2023-07-19 14:56:00.835 1281-2615 uwb system_server D uwb_core::uci:uci_manager: Received cmd: SendUciCommand { cmd: SessionStop { session_id: 1 } }
2023-07-19 14:56:00.836 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_stop: MT/GID/OID 4201 CMD
2023-07-19 14:56:00.837 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-07-19 14:56:00.837 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 14:56:00.837 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 14:56:00.837 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 3 session_id 1
2023-07-19 14:56:00.837 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 14:56:00.837 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_stop: MT/GID/OID 4201 RSP 0


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2023-07-19 14:56:01.348 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 14:56:01.349 1281-2623 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 14:56:01.349 1281-2623 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-19 14:56:01.350 1281-2623 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-19 14:56:01.350 1281-2623 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-19 14:56:01.351 1281-2623 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 2, SessionId = 1, RcrIndica
Distance = 0, AoaAzimuth = 0.0, AoaAzimuthFom = 0, AoaElevation = 0.0, AoaElevationFom = 0, AoaDestAzimuth = 0.0, AoaDestAzimuthFom = 0, AoaDestElevation = 0.0, AoaDestElevationFc
2023-07-19 14:56:01.353 1281-2623 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-07-19 14:56:01.353 6613-15574 Uwb.Rangin...n@c8487fc com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=2, package-name: com.google
2023-07-19 14:56:06.780 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 14:56:06.780 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I handle_session_stop: session (1) stopped for reason (0)
2023-07-19 14:56:06.780 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 3 (0)
2023-07-19 14:56:06.780 1281-2623 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 14:56:06.780 1281-2623 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-07-19 14:56:06.781 1281-2623 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 3, 0)
2023-07-19 14:56:06.781 1281-2623 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : IDLE, reasonCode:0
2023-07-19 14:56:06.781 1281-16042 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingStopped
2023-07-19 14:56:06.781 6613-6786 Uwb.Rangin...n@c8487fc com.google.android.gms.persistent V onRangingStopped - sessionHandle: SessionHandle [id=2, package-name: com.goog
2023-07-19 14:56:06.782 6613-15922 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Suspended: %s reason code (%s)
2023-07-19 14:56:06.783 1035-1035 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cb, tag: 0x90, rc: 0
2023-07-19 14:56:06.783 1035-1035 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cd, tag: 0x91, rc: 0
2023-07-19 14:56:06.784 15802-15932 LoggingKt com.example.app E [nvsdk] UWB Peer disconnected: 10:A8 with ranging devices 91:30 B3:C9 73:69
2023-07-19 14:56:06.797 1281-2623 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: core notification callback.
2023-07-19 14:56:06.797 1281-2623 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onDeviceStatusNotificationReceived
2023-07-19 14:56:06.797 1281-2623 NativeUwbManager system_server D onDeviceStatusNotificationReceived(1, default)
2023-07-19 14:56:06.797 1281-2623 UwbServiceCore system_server I updateState(): deviceState = READY, current adapter state = 2
2023-07-19 14:56:06.797 1281-2623 UwbServiceCore system_server D updateState(): state=1, reason=3, chipId=default
2023-07-19 14:56:06.797 1281-2623 UwbServiceCore system_server D chipIdToStateMap = {default=1}
2023-07-19 14:56:06.797 1281-2623 UwbServiceCore system_server D notifyAdapterState(): adapterState = 1, reason = 3
2023-07-19 14:56:06.823 15802-15932 LoggingKt com.example.app D [nvsdk] diagnostic event: UwbRangingDisconnectedEvent(deviceAddress=10:A8, timestampMillis=
2023-07-19 14:56:06.823 15802-15932 MainActivity com.example.app D UWB Peer disconnected: 10:A8
```

 **bugreport-felix-TQ3C.230705.001.C1-2023-07-19-14-57-17.zip**
12 MB [Download](#)

na...@gmail.com <na...@gmail.com> #23

Ok in trying to get multiple unicast sessions running I have found a few things...

It appears the the Peer disconnected is passing in the local UWB device rather than the actual device being ranged, which isn't exactly helpful, but I worked round it.

It also seems to need a separate UwbClientSession for each device and a separate sessionID.

I think a different sessionId is a problem with the current Estimote firmware, as they seem to be using a hard coded sessionId of 1, but I will check with them.

However I now can't seem to get any ranging results, even though it should work with one of the three devices...

UWB logcat:

```
2023-07-19 16:29:24.482 23780-23902 LoggingKt com.example.app D [nvsdk] Start ranging UWB channel 5 preamble 9 device: B3:C9
2023-07-19 16:29:24.483 23780-23902 LoggingKt com.example.app D [nvsdk] Start ranging UWB channel 5 preamble 9 device: 73:69
2023-07-19 16:29:24.483 23780-23902 LoggingKt com.example.app D [nvsdk] Start ranging UWB channel 5 preamble 9 device: 91:30
2023-07-19 16:29:24.498 8966-23126 NearbyUWB com.google.android.gms.persistent I start ranging called. [CONTEXT service_id=49 ]
2023-07-19 16:29:24.499 8966-23126 UwbBackend com.google.android.gms.persistent I Opens UWB session with bundle parameters:
2023-07-19 16:29:24.499 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: aoa_result_request, value: 1
2023-07-19 16:29:24.499 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: has_ranging_control_phase, value: false
2023-07-19 16:29:24.499 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_random_window, value: 0
2023-07-19 16:29:24.499 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_proximity_near, value: 0
2023-07-19 16:29:24.499 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: is_tx_adaptive_payload_power_enabled, value: false
2023-07-19 16:29:24.499 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: is_diagnostics_enabled, value: false
2023-07-19 16:29:24.499 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: rframe_config, value: 3
2023-07-19 16:29:24.499 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: max_ranging_round_retries, value: 0
2023-07-19 16:29:24.499 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: psdu_data_rate, value: 0
2023-07-19 16:29:24.499 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: is_rssi_reporting_enabled, value: false
2023-07-19 16:29:24.499 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: fcs_type, value: 0
2023-07-19 16:29:24.499 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_elevation_lower, value: -1.5707963267948966
2023-07-19 16:29:24.499 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_elevation_upper, value: 1.5707963267948966
2023-07-19 16:29:24.499 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: device_role, value: 0
2023-07-19 16:29:24.499 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: device_type, value: 0
2023-07-19 16:29:24.499 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: block_stride_length, value: 0
2023-07-19 16:29:24.499 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: prf_mode, value: 0
2023-07-19 16:29:24.499 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: slot_duration_rstu, value: 2400
2023-07-19 16:29:24.500 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: protocol_version, value: 1.1
2023-07-19 16:29:24.500 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: slots_per_ranging_round, value: 6
2023-07-19 16:29:24.500 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: min_frames_per_rr, value: 1
2023-07-19 16:29:24.500 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: vendor_id, value: [7, 8]
2023-07-19 16:29:24.500 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: ranging_error_streak_timeout_ms, value: 10000
2023-07-19 16:29:24.500 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: ranging_interval_ms, value: 4000
2023-07-19 16:29:24.500 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: dest_address_list, value: [-3912783651254829056]
2023-07-19 16:29:24.500 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: sfd_id, value: 2
2023-07-19 16:29:24.500 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: filter_type, value: 1
2023-07-19 16:29:24.500 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: num_of_msrmrmt_focus_on_range, value: 0
2023-07-19 16:29:24.500 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: channel_number, value: 5
2023-07-19 16:29:24.500 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: session_priority, value: 50
2023-07-19 16:29:24.500 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: is_key_rotation_enabled, value: false
2023-07-19 16:29:24.500 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: session_type, value: 0
2023-07-19 16:29:24.500 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_tx_timestamp_type, value: 0
2023-07-19 16:29:24.500 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: sts_config, value: 0
2023-07-19 16:29:24.500 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: num_of_msrmrmt_focus_on_aoa_elevation, value: 0
2023-07-19 16:29:24.500 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: in_band_termination_attempt_count, value: 3
```

```
2023-07-19 16:29:24.500 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_proximity_far, value: 20000
2023-07-19 16:29:24.500 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: bprf_phr_data_rate, value: 0
2023-07-19 16:29:24.501 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: sts_length, value: 1
2023-07-19 16:29:24.501 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: initiation_time_ms, value: 0
2023-07-19 16:29:24.501 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: aoa_type, value: 0
2023-07-19 16:29:24.501 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: has_time_of_flight_report, value: true
2023-07-19 16:29:24.501 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: has_angle_of_arrival_figure_of_merit_report, value: false
2023-07-19 16:29:24.501 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: session_key, value: null
2023-07-19 16:29:24.501 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: mtu_size, value: 1048
2023-07-19 16:29:24.501 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: has_angle_of_arrival_azimuth_report, value: false
2023-07-19 16:29:24.501 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: mac_address_mode, value: 0
2023-07-19 16:29:24.501 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: max_number_of_measurements, value: 0
2023-07-19 16:29:24.501 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: preamble_duration, value: 1
2023-07-19 16:29:24.501 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: key_rotation_rate, value: 0
2023-07-19 16:29:24.501 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: inter_frame_interval, value: 1
2023-07-19 16:29:24.501 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: bundle_version, value: 1
2023-07-19 16:29:24.501 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: scheduled_mode, value: 1
2023-07-19 16:29:24.501 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: has_angle_of_arrival_elevation_report, value: false
2023-07-19 16:29:24.501 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: static_sts_iv, value: [1, 2, 3, 4, 5, 6]
2023-07-19 16:29:24.501 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: application_data_endpoint, value: 0
2023-07-19 16:29:24.501 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_config, value: 1
2023-07-19 16:29:24.502 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: ranging_round_usage, value: 2
2023-07-19 16:29:24.502 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: protocol_name, value: fira
2023-07-19 16:29:24.502 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: has_control_message, value: true
2023-07-19 16:29:24.502 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: has_result_report_phase, value: true
2023-07-19 16:29:24.502 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: device_address, value: 1937110789722734592
2023-07-19 16:29:24.502 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: diagrams_frame_reports_fields_flags, value: 0
2023-07-19 16:29:24.502 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: measurement_report_type, value: 0
2023-07-19 16:29:24.502 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_device_id, value: null
2023-07-19 16:29:24.502 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: preamble_code_index, value: 9
2023-07-19 16:29:24.502 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_device_id_type, value: 0
2023-07-19 16:29:24.503 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: session_id, value: 1
2023-07-19 16:29:24.503 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_azimuth_lower, value: -3.141592653589793
2023-07-19 16:29:24.503 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_azimuth_upper, value: 3.141592653589793
2023-07-19 16:29:24.503 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: subsession_key, value: null
2023-07-19 16:29:24.503 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: multi_node_mode, value: 0
2023-07-19 16:29:24.503 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: num_of_msrrmt_focus_on_aoa_azimuth, value: 0
2023-07-19 16:29:24.503 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_tx_interval, value: 2000
2023-07-19 16:29:24.503 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: hopping_mode, value: 1
2023-07-19 16:29:24.503 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: sts_segment_count, value: 1
2023-07-19 16:29:24.503 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: link_layer_mode, value: 0
2023-07-19 16:29:24.504 8966-23126 Uwb.Rangin...r@5df9f46] com.google.android.gms.persistent V openSession - sessionHandle: SessionHandle [id=15, package-name: com.google.an
2023-07-19 16:29:24.506 8131-11154 UwbSessionManager system_server I initSession() - sessionId: 1, sessionHandle: SessionHandle [id=15, package-name: com.google.a
2023-07-19 16:29:24.507 8131-11154 UwbSessionManager system_server D Found a non fg 3p app/service in the attribution source of request: android.content.Attribution
2023-07-19 16:29:24.507 8131-11154 UwbSessionManager system_server D Detected start of non privileged FIRA session from android.content.AttributionSource@e98e5f
2023-07-19 16:29:24.509 8131-23941 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-07-19 16:29:24.509 8131-23604 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionInit { session_id: 1, sessi
2023-07-19 16:29:24.510 856-856 qorvo.uwb.....nd_manager android.hardware.qorvo.uwb.service I uci_backend_manager_session_init: MT/GID/OID 2100 CMD
2023-07-19 16:29:24.510 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_init: MT/GID/OID 4100 CMD
2023-07-19 16:29:24.510 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 1 session_id 1
2023-07-19 16:29:24.510 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:24.510 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_init: MT/GID/OID 4100 RSP 0
2023-07-19 16:29:24.510 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 0 (0)
2023-07-19 16:29:24.511 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 16:29:24.511 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceive
2023-07-19 16:29:24.511 8131-23611 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 0, 0)
2023-07-19 16:29:24.511 8131-23611 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : INIT, reasonCode:0
2023-07-19 16:29:24.511 8131-23941 UwbConfManager system_server D setAppConfigurations for protocol: fira
2023-07-19 16:29:24.511 8131-23941 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-07-19 16:29:24.512 8131-23606 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionSetAppConfig { session_i
AppConfigTlv { cfg_id: PreambleCodeIndex, v: [9] }, AppConfigTlv { cfg_id: SfdId, v: [2] }, AppConfigTlv { cfg_id: PsduDataRate, v: [0] }, AppConfigTlv { cfg_id: PreambleDuration, v: [1] }, AppCon
VendorId, v: "redacted" }, AppConfigTlv { cfg_id: StaticStslv, v: "redacted" }, AppConfigTlv { cfg_id: RssiReporting, v: [1] } } }
2023-07-19 16:29:24.512 856-856 qorvo.uwb.....nd_manager android.hardware.qorvo.uwb.service I uci_backend_manager_session_set_app_config: MT/GID/OID 2103 CMD
2023-07-19 16:29:24.512 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: MT/GID/OID 4103 CMD
2023-07-19 16:29:24.512 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: session_id=1
2023-07-19 16:29:24.512 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-07-19 16:29:24.513 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 16:29:24.513 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:24.513 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: mac_state=3
2023-07-19 16:29:24.513 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: uci_state=0
2023-07-19 16:29:24.513 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:24.513 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-07-19 16:29:24.513 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 16:29:24.513 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:24.513 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: mac_state=3
2023-07-19 16:29:24.513 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 9 session_id 1
2023-07-19 16:29:24.513 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 16:29:24.513 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:24.513 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 5 session_id 1
2023-07-19 16:29:24.513 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:24.513 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: MT/GID/OID 4103 RSP 0
2023-07-19 16:29:24.513 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 3 (0)
2023-07-19 16:29:24.513 8131-23941 UwbConfManager system_server I setAppConfigurations respData: UwbConfigStatusData { status = 0 length = 0, tlvs = [] }
2023-07-19 16:29:24.513 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 16:29:24.513 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceive
2023-07-19 16:29:24.513 8131-23611 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 3, 0)
```

```
2023-07-19 16:29:24.513 8131-23611 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : IDLE, reasonCode:0
2023-07-19 16:29:24.513 8131-23941 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingOpened
2023-07-19 16:29:24.513 8966-11197 Uwb.Rangin...n@5e75df9] com.google.android.gms.persistent V onRangingOpened - sessionHandle: SessionHandle [id=15, package-name: com.goc
2023-07-19 16:29:24.514 8131-8375 UwbSessionManager system_server I sessionInit() : finish - sessionId : 1
2023-07-19 16:29:24.517 8966-23126 Uwb.Rangin...n@5e75df9] com.google.android.gms.persistent V start - sessionHandle: SessionHandle [id=15, package-name: com.google.android.g
2023-07-19 16:29:24.517 8131-10710 UwbSessionManager system_server I startRanging() - sessionId: 1, sessionHandle: SessionHandle [id=15, package-name: com.google
2023-07-19 16:29:24.518 8131-23942 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeRe
2023-07-19 16:29:24.518 8131-23606 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionStart { session_id: 1 } }
2023-07-19 16:29:24.519 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_start: MT/GID/OID 4200 CMD
2023-07-19 16:29:24.519 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-07-19 16:29:24.519 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 16:29:24.519 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:24.519 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:24.522 1035-1035 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cd, tag: 0xda, rc: 0
2023-07-19 16:29:24.522 1035-1035 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cb, tag: 0xdb, rc: 0
2023-07-19 16:29:24.523 1035-1035 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cd, tag: 0xdc, rc: 0
2023-07-19 16:29:24.524 1035-1035 AOC aocd D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cd, tag: 0xdd, rc: 0
2023-07-19 16:29:24.544 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 2 session_id 1
2023-07-19 16:29:24.545 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:24.545 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_start: MT/GID/OID 4200 RSP 0
2023-07-19 16:29:24.545 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 2 (0)
2023-07-19 16:29:24.545 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 16:29:24.545 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-07-19 16:29:24.545 8131-23611 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 2, 0)
2023-07-19 16:29:24.545 8131-23942 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : ACTIVE, reasonCode:0
2023-07-19 16:29:24.545 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: core notification callback.
2023-07-19 16:29:24.545 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onDeviceStatusNotificationReceived
2023-07-19 16:29:24.545 8131-23611 NativeUwbManager system_server D onDeviceStatusNotificationReceived(2, default)
2023-07-19 16:29:24.545 8131-23611 UwbServiceCore system_server I updateState(): deviceState = ACTIVE, current adapter state = 1
2023-07-19 16:29:24.546 8131-23611 UwbServiceCore system_server D updateState(): state=2, reason=1, chipId=default
2023-07-19 16:29:24.546 8131-23611 UwbServiceCore system_server D chipIdToStateMap = {default=2}
2023-07-19 16:29:24.546 8131-23611 UwbServiceCore system_server D notifyAdapterState(): adapterState = 2, reason = 1
2023-07-19 16:29:24.546 8131-23942 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingStarted
2023-07-19 16:29:24.546 8966-11197 Uwb.Rangin...n@5e75df9] com.google.android.gms.persistent V onRangingStarted - sessionHandle: SessionHandle [id=15, package-name: com.goo
2023-07-19 16:29:24.546 8966-13110 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging initialized: %s
2023-07-19 16:29:24.547 8966-23126 NearbyUWB com.google.android.gms.persistent I start ranging called. [CONTEXT service_id=49 ]
2023-07-19 16:29:24.547 8966-23126 UwbBackend com.google.android.gms.persistent I Opens UWB session with bundle parameters:
2023-07-19 16:29:24.547 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: aoa_result_request, value: 1
2023-07-19 16:29:24.547 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: has_ranging_control_phase, value: false
2023-07-19 16:29:24.547 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_random_window, value: 0
2023-07-19 16:29:24.547 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_proximity_near, value: 0
2023-07-19 16:29:24.547 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: is_tx_adaptive_payload_power_enabled, value: false
2023-07-19 16:29:24.547 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: is_diagnostics_enabled, value: false
2023-07-19 16:29:24.547 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: rframe_config, value: 3
2023-07-19 16:29:24.547 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: max_ranging_round_retries, value: 0
2023-07-19 16:29:24.547 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: psdu_data_rate, value: 0
2023-07-19 16:29:24.547 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: is_rssi_reporting_enabled, value: false
2023-07-19 16:29:24.547 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: fcs_type, value: 0
2023-07-19 16:29:24.547 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_elevation_lower, value: -1.5707963267948966
2023-07-19 16:29:24.548 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_elevation_upper, value: 1.5707963267948966
2023-07-19 16:29:24.548 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: device_role, value: 0
2023-07-19 16:29:24.548 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: device_type, value: 0
2023-07-19 16:29:24.548 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: block_stride_length, value: 0
2023-07-19 16:29:24.548 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: prf_mode, value: 0
2023-07-19 16:29:24.548 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: slot_duration_rstu, value: 2400
2023-07-19 16:29:24.548 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: protocol_version, value: 1.1
2023-07-19 16:29:24.548 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: slots_per_ranging_round, value: 6
2023-07-19 16:29:24.548 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: min_frames_per_rr, value: 1
2023-07-19 16:29:24.548 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: vendor_id, value: [7, 8]
2023-07-19 16:29:24.548 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: ranging_error_streak_timeout_ms, value: 10000
2023-07-19 16:29:24.548 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: ranging_interval_ms, value: 4000
2023-07-19 16:29:24.548 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: dest_address_list, value: [7598416996304158720]
2023-07-19 16:29:24.548 23780-23780 UwbClientSessionScope com.example.app I Started UWB ranging.
2023-07-19 16:29:24.548 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: sfid_id, value: 2
2023-07-19 16:29:24.548 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: filter_type, value: 1
2023-07-19 16:29:24.548 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: num_of_msrrmt_focus_on_range, value: 0
2023-07-19 16:29:24.548 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: channel_number, value: 5
2023-07-19 16:29:24.548 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: session_priority, value: 50
2023-07-19 16:29:24.548 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: is_key_rotation_enabled, value: false
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: session_type, value: 0
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_tx_timestamp_type, value: 0
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: sts_config, value: 0
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: num_of_msrrmt_focus_on_aoa_elevation, value: 0
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: in_band_termination_attempt_count, value: 3
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_proximity_far, value: 20000
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: bprf_phr_data_rate, value: 0
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: sts_length, value: 1
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: initiation_time_ms, value: 0
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: aoa_type, value: 0
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: has_time_of_flight_report, value: true
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: has_angle_of_arrival_figure_of_merit_report, value: false
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: session_key, value: null
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: mtu_size, value: 1048
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: has_angle_of_arrival_azimuth_report, value: false
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: mac_address_mode, value: 0
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: max_number_of_measurements, value: 0
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2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: preamble_duration, value: 1
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: key_rotation_rate, value: 0
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: inter_frame_interval, value: 1
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: bundle_version, value: 1
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: scheduled_mode, value: 1
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: has_angle_of_arrival_elevation_report, value: false
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: static_sts_iv, value: [1, 2, 3, 4, 5, 6]
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: application_data_endpoint, value: 0
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_config, value: 1
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: ranging_round_usage, value: 2
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: protocol_name, value: fira
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: has_control_message, value: true
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: has_result_report_phase, value: true
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: device_address, value: -8419198028392431616
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: diagrams_frame_reports_fields_flags, value: 0
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: measurement_report_type, value: 0
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_device_id, value: null
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: preamble_code_index, value: 9
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_device_id_type, value: 0
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: session_id, value: 2
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_azimuth_lower, value: -3.141592653589793
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_azimuth_upper, value: 3.141592653589793
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: subsession_key, value: null
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: multi_node_mode, value: 0
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: num_of_msrmrtn_focus_on_aoa_azimuth, value: 0
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_tx_interval, value: 2000
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: hopping_mode, value: 1
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: sts_segment_count, value: 1
2023-07-19 16:29:24.549 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: link_layer_mode, value: 0
2023-07-19 16:29:24.550 8966-23126 Uwb.Rangin...r@95130f] com.google.android.gms.persistent V openSession - sessionHandle: SessionHandle [id=16, package-name: com.google.ar
2023-07-19 16:29:24.554 8131-10710 UwbSessionManager system_server I initSession() - sessionId: 2, sessionHandle: SessionHandle [id=16, package-name: com.google.ar
2023-07-19 16:29:24.554 8131-10710 UwbSessionManager system_server D Found a non fg 3p app/service in the attribution source of request: android.content.Attribution
2023-07-19 16:29:24.555 8131-10710 UwbSessionManager system_server D Detected start of non privileged FIRA session from android.content.AttributionSource@e98e5f
2023-07-19 16:29:24.556 8131-23943 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-07-19 16:29:24.556 8131-23604 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionInit { session_id: 2, sessi
2023-07-19 16:29:24.557 856-856 qorvo.uwb.....nd_manager android.hardware.qorvo.uwb.service I uci_backend_manager_session_init: MT/GID/OID 2100 CMD
2023-07-19 16:29:24.557 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_init: MT/GID/OID 4100 CMD
2023-07-19 16:29:24.557 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 1 session_id 2
2023-07-19 16:29:24.557 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:24.557 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_init: MT/GID/OID 4100 RSP 0
2023-07-19 16:29:24.557 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 0 (0)
2023-07-19 16:29:24.559 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 16:29:24.559 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-07-19 16:29:24.559 8131-23611 NativeUwbManager system_server D onSessionStatusNotificationReceived(2, 0, 0)
2023-07-19 16:29:24.559 8131-23611 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 2, state : INIT, reasonCode:0
2023-07-19 16:29:24.559 8131-23943 UwbConfManager system_server D setAppConfigurations for protocol: fira
2023-07-19 16:29:24.559 8131-23943 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-07-19 16:29:24.559 8131-23604 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionSetAppConfig { session_i
AppConfigTlv { cfg_id: PreambleCodeIndex, v: [9] }, AppConfigTlv { cfg_id: SfdId, v: [2] }, AppConfigTlv { cfg_id: PsduDataRate, v: [0] }, AppConfigTlv { cfg_id: PreambleDuration, v: [1] }, AppCon
VendorId, v: "redacted" }, AppConfigTlv { cfg_id: StaticStslv, v: "redacted" }, AppConfigTlv { cfg_id: RssiReporting, v: [1] } } }
2023-07-19 16:29:24.560 856-856 qorvo.uwb.....nd_manager android.hardware.qorvo.uwb.service I uci_backend_manager_session_set_app_config: MT/GID/OID 2103 CMD
2023-07-19 16:29:24.561 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: MT/GID/OID 4103 CMD
2023-07-19 16:29:24.561 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: session_id=2
2023-07-19 16:29:24.561 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 2
2023-07-19 16:29:24.561 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 16:29:24.561 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:24.561 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: mac_state=3
2023-07-19 16:29:24.561 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: uci_state=0
2023-07-19 16:29:24.561 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:24.561 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 2
2023-07-19 16:29:24.561 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 16:29:24.561 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:24.561 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: mac_state=3
2023-07-19 16:29:24.561 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 9 session_id 2
2023-07-19 16:29:24.561 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 16:29:24.561 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:24.561 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 5 session_id 2
2023-07-19 16:29:24.561 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:24.561 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: MT/GID/OID 4103 RSP 0
2023-07-19 16:29:24.561 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 3 (0)
2023-07-19 16:29:24.561 8131-23943 UwbConfManager system_server I setAppConfigurations respData: UwbConfigStatusData { status = 0 length = 0, tlvs = [] }
2023-07-19 16:29:24.561 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 16:29:24.561 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-07-19 16:29:24.561 8131-23611 NativeUwbManager system_server D onSessionStatusNotificationReceived(2, 3, 0)
2023-07-19 16:29:24.561 8131-23611 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 2, state : IDLE, reasonCode:0
2023-07-19 16:29:24.561 8131-23943 UwbSessionNotiManager system_server I UwbRangingCallbacks - onRangingOpened
2023-07-19 16:29:24.561 8966-11197 Uwb.Rangin...n@9bb113e] com.google.android.gms.persistent V onRangingOpened - sessionHandle: SessionHandle [id=16, package-name: com.go
2023-07-19 16:29:24.562 8131-8375 UwbSessionManager system_server I sessionInit() : finish - sessionId : 2
2023-07-19 16:29:24.562 8966-23126 Uwb.Rangin...n@9bb113e] com.google.android.gms.persistent V start - sessionHandle: SessionHandle [id=16, package-name: com.google.android.g
2023-07-19 16:29:24.563 8131-10710 UwbSessionManager system_server I startRanging() - sessionId: 2, sessionHandle: SessionHandle [id=16, package-name: com.google
2023-07-19 16:29:24.563 8131-23944 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeR
2023-07-19 16:29:24.563 8131-23604 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionStart { session_id: 2 } }
2023-07-19 16:29:24.563 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_start: MT/GID/OID 4200 CMD
2023-07-19 16:29:24.563 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 2
2023-07-19 16:29:24.564 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 16:29:24.564 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
```

2023-07-19 16:29:24.564 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 2 session_id 2
2023-07-19 16:29:24.564 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:24.564 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_start: MT/GID/OID 4200 RSP 0
2023-07-19 16:29:24.564 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 2 (0)
2023-07-19 16:29:24.565 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 16:29:24.565 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceiver
2023-07-19 16:29:24.565 8131-23611 NativeUwbManager system_server D onSessionStatusNotificationReceived(2, 2, 0)
2023-07-19 16:29:24.565 8131-23611 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 2, state : ACTIVE, reasonCode:0
2023-07-19 16:29:24.566 8131-23944 UwbSessionNotifier system_server I IUwbRangingCallbacks - onRangingStarted
2023-07-19 16:29:24.566 8966-11197 Uwb.Rangin...n@9bb113e] com.google.android.gms.persistent V onRangingStarted - sessionHandle: SessionHandle [id=16, package-name: com.goc
2023-07-19 16:29:24.566 8966-13110 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging initialized: %s
2023-07-19 16:29:24.567 8966-23126 NearbyUWB com.google.android.gms.persistent I start ranging called. [CONTEXT service_id=49]
2023-07-19 16:29:24.567 23780-23780 UwbClientSessionScope com.example.app I Started UWB ranging.
2023-07-19 16:29:24.568 8966-23126 UwbBackend com.google.android.gms.persistent I Opens UWB session with bundle parameters:
2023-07-19 16:29:24.569 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: aoa_result_request, value: 1
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: has_ranging_control_phase, value: false
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_random_window, value: 0
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_proximity_near, value: 0
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: is_tx_adaptive_payload_power_enabled, value: false
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: is_diagnostics_enabled, value: false
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: rframe_config, value: 3
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: max_ranging_round_retries, value: 0
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: psdu_data_rate, value: 0
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: is_rssi_reporting_enabled, value: false
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: fcs_type, value: 0
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_elevation_lower, value: -1.5707963267948966
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_elevation_upper, value: 1.5707963267948966
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: device_role, value: 0
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: device_type, value: 0
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: block_stride_length, value: 0
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: prf_mode, value: 0
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: slot_duration_rstu, value: 2400
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: protocol_version, value: 1.1
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: slots_per_ranging_round, value: 6
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: min_frames_per_rr, value: 1
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: vendor_id, value: [7, 8]
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: ranging_error_streak_timeout_ms, value: 10000
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: ranging_interval_ms, value: 4000
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: dest_address_list, value: [3499578385443586048]
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: sfid_id, value: 2
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: filter_type, value: 1
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: num_of_msrrmt_focus_on_range, value: 0
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: channel_number, value: 5
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: session_priority, value: 50
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: is_key_rotation_enabled, value: false
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: session_type, value: 0
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_tx_timestamp_type, value: 0
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: sts_config, value: 0
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: num_of_msrrmt_focus_on_aoa_elevation, value: 0
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: in_band_termination_attempt_count, value: 3
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_proximity_far, value: 20000
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: bprf_phr_data_rate, value: 0
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: sts_length, value: 1
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: initiation_time_ms, value: 0
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: aoa_type, value: 0
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: has_time_of_flight_report, value: true
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: has_angle_of_arrival_figure_of_merit_report, value: false
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: session_key, value: null
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: mtu_size, value: 1048
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: has_angle_of_arrival_azimuth_report, value: false
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: mac_address_mode, value: 0
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: max_number_of_measurements, value: 0
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: preamble_duration, value: 1
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: key_rotation_rate, value: 0
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: inter_frame_interval, value: 1
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: bundle_version, value: 1
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: scheduled_mode, value: 1
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: has_angle_of_arrival_elevation_report, value: false
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: static_sts_iv, value: [1, 2, 3, 4, 5, 6]
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: application_data_endpoint, value: 0
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_config, value: 1
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: ranging_round_usage, value: 2
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: protocol_name, value: fira
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: has_control_message, value: true
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: has_result_report_phase, value: true
2023-07-19 16:29:24.570 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: device_address, value: 3072299370796810240
2023-07-19 16:29:24.571 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: diagrams_frame_reports_fields_flags, value: 0
2023-07-19 16:29:24.571 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: measurement_report_type, value: 0
2023-07-19 16:29:24.571 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_device_id, value: null
2023-07-19 16:29:24.571 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: preamble_code_index, value: 9
2023-07-19 16:29:24.571 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_device_id_type, value: 0
2023-07-19 16:29:24.571 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: session_id, value: 3
2023-07-19 16:29:24.571 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_azimuth_lower, value: -3.141592653589793
2023-07-19 16:29:24.571 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_azimuth_upper, value: 3.141592653589793
2023-07-19 16:29:24.571 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: subsession_key, value: null
2023-07-19 16:29:24.571 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: multi_node_mode, value: 0

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2023-07-19 16:29:24.571 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: num_of_msrmnt_focus_on_aoa_azimuth, value: 0
2023-07-19 16:29:24.571 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_tx_interval, value: 2000
2023-07-19 16:29:24.571 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: hopping_mode, value: 1
2023-07-19 16:29:24.571 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: sts_segment_count, value: 1
2023-07-19 16:29:24.571 8966-23126 UwbBackend com.google.android.gms.persistent I UWB parameter: link_layer_mode, value: 0
2023-07-19 16:29:24.571 8966-23126 Uwb.Rangin...r@22270cb] com.google.android.gms.persistent V openSession - sessionHandle: SessionHandle [id=17, package-name: com.google.a
2023-07-19 16:29:24.574 8131-10138 UwbSessionManager system_server I initSession() - sessionId: 3, sessionHandle: SessionHandle [id=17, package-name: com.google.
2023-07-19 16:29:24.574 8131-10138 UwbSessionManager system_server D Found a non fg 3p app/service in the attribution source of request: android.content.Attribution
2023-07-19 16:29:24.575 8131-10138 UwbSessionManager system_server D Detected start of non privileged FIRA session from android.content.AttributionSource@e98e5f
2023-07-19 16:29:24.576 8131-23945 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-07-19 16:29:24.576 8131-23604 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionInit { session_id: 3, sessi
2023-07-19 16:29:24.577 856-856 qorvo.uwb.....nd_manager android.hardware.qorvo.uwb.service I uci_backend_manager_session_init: MT/GID/OID 2100 CMD
2023-07-19 16:29:24.577 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_init: MT/GID/OID 4100 CMD
2023-07-19 16:29:24.577 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 1 session_id 3
2023-07-19 16:29:24.577 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:24.577 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_init: MT/GID/OID 4100 RSP 0
2023-07-19 16:29:24.577 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 0 (0)
2023-07-19 16:29:24.578 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 16:29:24.578 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceive
2023-07-19 16:29:24.578 8131-23611 NativeUwbManager system_server I onSessionStatusNotificationReceived(3, 0, 0)
2023-07-19 16:29:24.578 8131-23611 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 3, state : INIT, reasonCode:0
2023-07-19 16:29:24.578 8131-23945 UwbConfManager system_server D setAppConfigurations for protocol: fira
2023-07-19 16:29:24.578 8131-23945 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-07-19 16:29:24.578 8131-23606 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionSetAppConfig { session_i
AppConfigTlv { cfg_id: PreambleCodeIndex, v: [9] }, AppConfigTlv { cfg_id: SfdId, v: [2] }, AppConfigTlv { cfg_id: PsduDataRate, v: [0] }, AppConfigTlv { cfg_id: PreambleDuration, v: [1] }, AppCon
VendorId, v: "redacted" }, AppConfigTlv { cfg_id: StaticStslv, v: "redacted" }, AppConfigTlv { cfg_id: RssiReporting, v: [1] } } }
2023-07-19 16:29:24.579 856-856 qorvo.uwb.....nd_manager android.hardware.qorvo.uwb.service I uci_backend_manager_session_set_app_config: MT/GID/OID 2103 CMD
2023-07-19 16:29:24.579 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: MT/GID/OID 4103 CMD
2023-07-19 16:29:24.579 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: session_id=3
2023-07-19 16:29:24.579 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 3
2023-07-19 16:29:24.579 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 16:29:24.579 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:24.579 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: mac_state=3
2023-07-19 16:29:24.579 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: uci_state=0
2023-07-19 16:29:24.579 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:24.579 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 3
2023-07-19 16:29:24.579 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 16:29:24.579 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:24.579 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: mac_state=3
2023-07-19 16:29:24.579 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 9 session_id 3
2023-07-19 16:29:24.579 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 16:29:24.579 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:24.579 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 5 session_id 3
2023-07-19 16:29:24.579 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:24.579 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: MT/GID/OID 4103 RSP 0
2023-07-19 16:29:24.579 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 3 (0)
2023-07-19 16:29:24.580 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 16:29:24.580 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceive
2023-07-19 16:29:24.580 8131-23611 NativeUwbManager system_server D onSessionStatusNotificationReceived(3, 3, 0)
2023-07-19 16:29:24.580 8131-23611 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 3, state : IDLE, reasonCode:0
2023-07-19 16:29:24.580 8131-23945 UwbConfManager system_server I setAppConfigurations respData: UwbConfigStatusData { status = 0 length = 0, tlvs = [[]] }
2023-07-19 16:29:24.580 8131-23945 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingOpened
2023-07-19 16:29:24.580 8966-11197 Uwb.Rangin...n@7db6b9f] com.google.android.gms.persistent V onRangingOpened - sessionHandle: SessionHandle [id=17, package-name: com.goc
2023-07-19 16:29:24.580 8131-8375 UwbSessionManager system_server I sessionInit() : finish - sessionId : 3
2023-07-19 16:29:24.580 8966-23126 Uwb.Rangin...n@7db6b9f] com.google.android.gms.persistent V start - sessionHandle: SessionHandle [id=17, package-name: com.google.android.g
2023-07-19 16:29:24.580 8131-10138 UwbSessionManager system_server I startRanging() - sessionId: 3, sessionHandle: SessionHandle [id=17, package-name: com.google
2023-07-19 16:29:24.581 8131-23946 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeR
2023-07-19 16:29:24.581 8131-23604 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionStart { session_id: 3 } }
2023-07-19 16:29:24.581 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_start: MT/GID/OID 4200 CMD
2023-07-19 16:29:24.582 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 3
2023-07-19 16:29:24.582 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 16:29:24.582 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:24.582 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 2 session_id 3
2023-07-19 16:29:24.582 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:24.582 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_start: MT/GID/OID 4200 RSP 0
2023-07-19 16:29:24.582 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 2 (0)
2023-07-19 16:29:24.582 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 16:29:24.582 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceive
2023-07-19 16:29:24.582 8131-23611 NativeUwbManager system_server D onSessionStatusNotificationReceived(3, 2, 0)
2023-07-19 16:29:24.582 8131-23611 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 3, state : ACTIVE, reasonCode:0
2023-07-19 16:29:24.583 8131-23946 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingStarted
2023-07-19 16:29:24.583 8966-11197 Uwb.Rangin...n@7db6b9f] com.google.android.gms.persistent V onRangingStarted - sessionHandle: SessionHandle [id=17, package-name: com.goo
2023-07-19 16:29:24.583 8966-13110 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging initialized: %s
2023-07-19 16:29:24.584 23780-23780 UwbClientSessionScope com.example.app I Started UWB ranging.
2023-07-19 16:29:24.749 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 16:29:24.750 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 16:29:24.750 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-19 16:29:24.751 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data
2023-07-19 16:29:24.751 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-19 16:29:24.751 8131-23611 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 0, SessionId = 1, RorIndic
2023-07-19 16:29:24.753 8131-23611 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-07-19 16:29:24.753 8131-23611 UwbSessionManager system_server V Starting error timer for 10000 ms.
2023-07-19 16:29:24.754 8966-11197 Uwb.Rangin...n@5e75df9] com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=15, package-name: com.goo
2023-07-19 16:29:28.589 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 16:29:28.590 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 16:29:28.590 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
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2023-07-19 16:29:28.591	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 16:29:28.591	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwbb/data
2023-07-19 16:29:28.591	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwbb/data
2023-07-19 16:29:28.591	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-19 16:29:28.591	8131-23611	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 0, SessionId = 2, RcrIndic
2023-07-19 16:29:28.593	8131-23611	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-07-19 16:29:28.593	8131-23611	UwbSessionManager	system_server	V Starting error timer for 10000 ms.
2023-07-19 16:29:28.594	8966-11197	Uwb.Rangin...n@9bb113e	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=16, package-name: com.goog
2023-07-19 16:29:28.594	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 16:29:28.594	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwbb/data
2023-07-19 16:29:28.597	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwbb/data
2023-07-19 16:29:28.597	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-19 16:29:28.597	8131-23611	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 1, SessionId = 1, RcrIndic
2023-07-19 16:29:28.598	8131-23611	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-07-19 16:29:28.598	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 16:29:28.598	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwbb/data
2023-07-19 16:29:28.598	8966-11197	Uwb.Rangin...n@5e75df9	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=15, package-name: com.goog
2023-07-19 16:29:28.598	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwbb/data
2023-07-19 16:29:28.598	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-19 16:29:28.598	8131-23611	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 0, SessionId = 3, RcrIndic
2023-07-19 16:29:28.599	8131-23611	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-07-19 16:29:28.599	8131-23611	UwbSessionManager	system_server	V Starting error timer for 10000 ms.
2023-07-19 16:29:28.599	8966-11197	Uwb.Rangin...n@7db6b9f	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=17, package-name: com.goog
2023-07-19 16:29:32.592	856-856	qorvo.uwb.uwbbmac	android.hardware.qorvo.uwb.service	I report_nl_cb
2023-07-19 16:29:32.593	856-856	qorvo.uwb.uwbbmac	android.hardware.qorvo.uwb.service	I report_nl_cb
2023-07-19 16:29:32.593	856-856	qorvo.uwb.uwbbmac	android.hardware.qorvo.uwb.service	I report_nl_cb
2023-07-19 16:29:32.594	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 16:29:32.594	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwbb/data
2023-07-19 16:29:32.595	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwbb/data
2023-07-19 16:29:32.595	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-19 16:29:32.595	8131-23611	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 2, SessionId = 1, RcrIndic
2023-07-19 16:29:32.597	8131-23611	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-07-19 16:29:32.597	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 16:29:32.597	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwbb/data
2023-07-19 16:29:32.597	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwbb/data
2023-07-19 16:29:32.597	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-19 16:29:32.597	8966-11197	Uwb.Rangin...n@5e75df9	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=15, package-name: com.goog
2023-07-19 16:29:32.597	8131-23611	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 1, SessionId = 2, RcrIndic
2023-07-19 16:29:32.598	8966-11197	Uwb.Rangin...n@9bb113e	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=16, package-name: com.goog
2023-07-19 16:29:32.598	8131-23611	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-07-19 16:29:32.598	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 16:29:32.598	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwbb/data
2023-07-19 16:29:32.599	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwbb/data
2023-07-19 16:29:32.599	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-19 16:29:32.599	8131-23611	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 1, SessionId = 3, RcrIndic
2023-07-19 16:29:32.600	8131-23611	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-07-19 16:29:32.601	8966-11197	Uwb.Rangin...n@7db6b9f	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=17, package-name: com.goog
2023-07-19 16:29:34.753	8131-8375	UwbSessionManager	system_server	W Continuous errors or no ranging results detected for 10000 ms. Stopping session
2023-07-19 16:29:34.754	8131-8375	UwbSessionManager	system_server	I stopRanging() - sessionId: 1, sessionHandle: SessionHandle [id=15, package-name: com.google
2023-07-19 16:29:34.756	8131-8375	UwbSessionManager	system_server	V Stop timeout: 16000
2023-07-19 16:29:34.757	8131-23967	uwbb	system_server	D uwbb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwbb_jni_NativeUwbManager_nativeR
2023-07-19 16:29:34.758	8131-23606	uwbb	system_server	D uwbb_core::uci:uci_manager: Received cmd: SendUciCommand { cmd: SessionStop { session_id: 1 } }
2023-07-19 16:29:34.760	856-856	qorvo.uwb....ckend_fira	android.hardware.qorvo.uwb.service	I uci_backend_fira_ranging_stop: MT/GID/OID 4201 CMD
2023-07-19 16:29:34.760	856-856	qorvo.uwb.fira_helper	android.hardware.qorvo.uwb.service	I call_fira: call_id 10 session_id 1
2023-07-19 16:29:34.760	856-856	qorvo.uwb.uwbbmac	android.hardware.qorvo.uwb.service	I report_nl_cb
2023-07-19 16:29:34.760	856-856	qorvo.uwb.uwbbmac	android.hardware.qorvo.uwb.service	I ack_handler
2023-07-19 16:29:34.760	856-856	qorvo.uwb.fira_helper	android.hardware.qorvo.uwb.service	I call_fira: call_id 3 session_id 1
2023-07-19 16:29:34.761	856-856	qorvo.uwb.uwbbmac	android.hardware.qorvo.uwb.service	I ack_handler
2023-07-19 16:29:34.761	856-856	qorvo.uwb....ckend_fira	android.hardware.qorvo.uwb.service	I uci_backend_fira_ranging_stop: MT/GID/OID 4201 RSP 0
2023-07-19 16:29:34.761	856-856	qorvo.uwb.uwbbmac	android.hardware.qorvo.uwb.service	I report_nl_cb
2023-07-19 16:29:34.761	856-856	qorvo.uwb....ckend_fira	android.hardware.qorvo.uwb.service	I handle_session_stop: session (1) stopped for reason (0)
2023-07-19 16:29:34.761	856-856	qorvo.uwb....ckend_fira	android.hardware.qorvo.uwb.service	I state_notification_with_code: MT/GID/OID 6102 NTF 3 (0)
2023-07-19 16:29:34.762	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 16:29:34.762	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceive
2023-07-19 16:29:34.762	8131-23611	NativeUwbManager	system_server	D onSessionStatusNotificationReceived(1, 3, 0)
2023-07-19 16:29:34.762	8131-23611	UwbSessionManager	system_server	I onSessionStatusNotificationReceived - Session ID : 1, state : IDLE, reasonCode:0
2023-07-19 16:29:34.763	8966-11197	Uwb.Rangin...n@5e75df9	com.google.android.gms.persistent	V onRangingStopped - sessionHandle: SessionHandle [id=15, package-name: com.go
2023-07-19 16:29:34.765	8966-23333	NearbyUWB	com.google.android.gms.persistent	I (REDACTED) Ranging Suspended: %s reason code (%s)
2023-07-19 16:29:34.764	8131-23967	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingStopped
2023-07-19 16:29:34.768	23780-23824	LoggingKt	com.example.app	E [nvsdk] UWB Peer disconnected: B3:C9 with ranging device B3:C9
2023-07-19 16:29:34.805	23780-23824	LoggingKt	com.example.app	D [nvsdk] diagnostic event: UwbRangingDisconnectedEvent(deviceAddress=B3:C9, timestampMillis:
2023-07-19 16:29:34.805	23780-23824	MainActivity	com.example.app	D UWB Peer disconnected: B3:C9
2023-07-19 16:29:34.805	23780-23824	LoggingKt	com.example.app	D [nvsdk] 2 UWB beacon(s) still ranging
2023-07-19 16:29:36.672	856-856	qorvo.uwb.uwbbmac	android.hardware.qorvo.uwb.service	I report_nl_cb
2023-07-19 16:29:36.673	856-856	qorvo.uwb.uwbbmac	android.hardware.qorvo.uwb.service	I report_nl_cb
2023-07-19 16:29:36.673	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 16:29:36.673	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwbb/data
2023-07-19 16:29:36.673	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwbb/data
2023-07-19 16:29:36.673	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-19 16:29:36.673	8131-23611	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 2, SessionId = 3, RcrIndic
2023-07-19 16:29:36.674	8131-23611	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-07-19 16:29:36.674	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 16:29:36.674	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwbb/data
2023-07-19 16:29:36.674	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwbb/data
2023-07-19 16:29:36.674	8131-23611	uwbb	system_server	D uwbb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-07-19 16:29:36.674	8131-23611	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 2, SessionId = 2, RcrIndic

2023-07-19 16:29:36.675 8131-23611 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-07-19 16:29:36.675 8966-10709 Uwb.Rangin...n@7db6b9f] com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=17, package-name: com.google.android.gms.persistent
2023-07-19 16:29:36.675 8966-22366 Uwb.Rangin...n@9bb113e] com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=16, package-name: com.google.android.gms.persistent
2023-07-19 16:29:38.596 8131-8375 UwbSessionManager system_server W Continuous errors or no ranging results detected for 10000 ms. Stopping session
2023-07-19 16:29:38.597 8131-8375 UwbSessionManager system_server I stopRanging() - sessionId: 2, sessionHandle: SessionHandle [id=16, package-name: com.google.android.gms.persistent
2023-07-19 16:29:38.599 8131-8375 UwbSessionManager system_server V Stop timeout: 16000
2023-07-19 16:29:38.605 8131-23984 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeRangingResult
2023-07-19 16:29:38.605 8131-23606 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionStop { session_id: 2 } }
2023-07-19 16:29:38.607 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_stop: MT/GID/OID 4201 CMD
2023-07-19 16:29:38.607 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 2
2023-07-19 16:29:38.607 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 16:29:38.607 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:38.607 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 3 session_id 2
2023-07-19 16:29:38.607 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:38.607 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_stop: MT/GID/OID 4201 RSP 0
2023-07-19 16:29:40.590 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 16:29:40.590 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I handle_session_stop: session (2) stopped for reason (0)
2023-07-19 16:29:40.590 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 3 (0)
2023-07-19 16:29:40.590 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 16:29:40.591 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 16:29:40.591 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived(2, 3, 0)
2023-07-19 16:29:40.591 8131-23611 NativeUwbManager system_server D onSessionStatusNotificationReceived(2, 3, 0)
2023-07-19 16:29:40.591 8131-23611 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 2, state : IDLE, reasonCode:0
2023-07-19 16:29:40.591 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 16:29:40.591 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data/RangeDataNotificationReceived
2023-07-19 16:29:40.591 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: find local class com/android/server/uwb/data/RangeDataNotificationReceived
2023-07-19 16:29:40.591 8131-23611 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 3, SessionId = 3, RorIndic
2023-07-19 16:29:40.592 8131-23611 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-07-19 16:29:40.593 8131-23984 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingStopped
2023-07-19 16:29:40.593 8966-21997 Uwb.Rangin...n@9bb113e] com.google.android.gms.persistent V onRangingStopped - sessionHandle: SessionHandle [id=16, package-name: com.google.android.gms.persistent
2023-07-19 16:29:40.593 8131-8375 UwbSessionManager system_server W Continuous errors or no ranging results detected for 10000 ms. Stopping session
2023-07-19 16:29:40.593 8131-8375 UwbSessionManager system_server I stopRanging() - sessionId: 3, sessionHandle: SessionHandle [id=17, package-name: com.google.android.gms.persistent
2023-07-19 16:29:40.595 8131-8375 UwbSessionManager system_server V Stop timeout: 16000
2023-07-19 16:29:40.595 8966-9981 Uwb.Rangin...n@7db6b9f] com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=17, package-name: com.google.android.gms.persistent
2023-07-19 16:29:40.596 8966-23962 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Suspended: %s reason code (%s)
2023-07-19 16:29:40.597 8131-23989 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeRangingResult
2023-07-19 16:29:40.597 8131-23610 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionStop { session_id: 3 } }
2023-07-19 16:29:40.598 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_stop: MT/GID/OID 4201 CMD
2023-07-19 16:29:40.598 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 3
2023-07-19 16:29:40.598 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 16:29:40.598 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:40.598 856-856 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 3 session_id 3
2023-07-19 16:29:40.598 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-07-19 16:29:40.598 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_stop: MT/GID/OID 4201 RSP 0
2023-07-19 16:29:40.600 23780-23901 LoggingKt com.example.app E [nvsdk] UWB Peer disconnected: 73:69 with ranging device 73:69
2023-07-19 16:29:40.601 23780-23901 LoggingKt com.example.app D [nvsdk] diagnostic event: UwbRangingDisconnectedEvent(deviceAddress=73:69, timestampMillis=1691844598601)
2023-07-19 16:29:40.602 23780-23901 MainActivity com.example.app D UWB Peer disconnected: 73:69
2023-07-19 16:29:40.602 23780-23901 LoggingKt com.example.app D [nvsdk] 1 UWB beacon(s) still ranging
2023-07-19 16:29:44.592 856-856 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-07-19 16:29:44.593 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I handle_session_stop: session (3) stopped for reason (0)
2023-07-19 16:29:44.593 856-856 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 3 (0)
2023-07-19 16:29:44.594 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-07-19 16:29:44.594 8131-23611 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived(3, 3, 0)
2023-07-19 16:29:44.594 8131-23611 NativeUwbManager system_server D onSessionStatusNotificationReceived(3, 3, 0)
2023-07-19 16:29:44.594 8131-23611 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 3, state : IDLE, reasonCode:0
2023-07-19 16:29:44.595 8131-23989 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingStopped
2023-07-19 16:29:44.595 8966-9959 Uwb.Rangin...n@7db6b9f] com.google.android.gms.persistent V onRangingStopped - sessionHandle: SessionHandle [id=17, package-name: com.google.android.gms.persistent
2023-07-19 16:29:44.595 8966-23126 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Suspended: %s reason code (%s)
2023-07-19 16:29:44.597 1035-1035 AOC aoc D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cb, tag: 0xde, rc: 0
2023-07-19 16:29:44.597 1035-1035 AOC aoc D A3:MSG: controller.cc, 811: CNTRL: ipc: uwb_service, cmd ID: 0x00cd, tag: 0xdf, rc: 0
2023-07-19 16:29:44.598 23780-23902 LoggingKt com.example.app E [nvsdk] UWB Peer disconnected: 91:30 with ranging device 91:30
2023-07-19 16:29:44.601 23780-23902 LoggingKt com.example.app D [nvsdk] diagnostic event: UwbRangingDisconnectedEvent(deviceAddress=91:30, timestampMillis=1691844598601)
2023-07-19 16:29:44.601 23780-23902 MainActivity com.example.app D UWB Peer disconnected: 91:30
2023-07-19 16:29:44.601 23780-23902 LoggingKt com.example.app D [nvsdk] 0 UWB beacon(s) still ranging

 **bugreport-felix-TQ3C.230705.001.C1-2023-07-19-16-30-07.zip**
16 MB [Download](#)

na...@gmail.com <na...@gmail.com> #24

We are now using AndroidX UWB Alpha6 and it has reduced the annoying redaction, so that's an improvement.

However we now see more disconnects and when ranging we seem to get a lot of other status messages with some ranging results.
So general ranging stability seems to be worse.

This is for a Pixel Fold and only attempting a unicast ranging session to a single beacon with rate set to automatic:

```
val rangingParameters = RangingParameters(  
    uwbConfigType = CONFIG_UNICAST_DS_TWR,  
    // SessionKeyInfo is used to encrypt the ranging session.  
    sessionId = session,  
    sessionKeyInfo = sessionKey,  
    complexChannel = uwbChannel,  
    peerDevices = listOf(device),  
    updateRateType = RangingParameters.RANGING_UPDATE_RATE_AUTOMATIC,
```

```
subSessionId = 0,
subSessionKeyInfo = null
)
```

So we see RangingStatus set to 33, 34, 36, 37, 38 and some successful 0 results.
What do all these status results actually mean?

Here is the full UWB logcat and I attached a bugreport

```
----- PROCESS STARTED (7115) for package com.example.app -----
2023-08-09 10:20:03.436 1281-3356 AppsFilter system_server I interaction: PackageSetting(3deba06 com.example.app/10245) -> PackageSetting(ccb70c1 com.qorvo
2023-08-09 10:20:03.447 1281-3356 AppsFilter system_server I interaction: PackageSetting(3deba06 com.example.app/10245) -> PackageSetting(6888b6 com.google
2023-08-09 10:20:06.427 7115-7115 LoggingKt com.example.app D [nvssdk] in initStream /data/user/0/com.example.app/files/dcmlog/HOPPPRA/HOPPPRA_7f0514b8c
2023-08-09 10:20:06.428 7115-7115 LoggingKt com.example.app I [nvssdk] addToUploadTable saving to cupboard /data/user/0/com.example.app/files/dcmlog/HOPPP
2023-08-09 10:20:06.520 1281-4606 ActivityManager system_server W Unable to start service Intent { act=androidx.core.uwb.backend.service pkg=androidx.core.uwb.bar
2023-08-09 10:20:06.521 7115-7115 LoggingKt com.example.app I [nvssdk] UWB sampling created OK
2023-08-09 10:20:07.249 7115-7115 LoggingKt com.example.app I [nvssdk] in UWB start, reason: Starting up
2023-08-09 10:20:07.267 7115-7115 LoggingKt com.example.app D [nvssdk] diagnostic event: UwbSamplingStartedEvent(source=DataCollectionService, reason=Startin
2023-08-09 10:20:07.267 7115-7115 LoggingKt com.example.app I [nvssdk] in UWB startScan
2023-08-09 10:20:07.267 7115-7269 LoggingKt com.example.app D [nvssdk] startUWB starting
2023-08-09 10:20:08.317 7115-7156 LoggingKt com.example.app D [nvssdk] Adding UWB BLE GATT: D5:B9:62:17:4E:FC
2023-08-09 10:20:08.338 7115-7156 LoggingKt com.example.app D [nvssdk] Connecting to UWB BLE GATT: D5:B9:62:17:4E:FC
2023-08-09 10:20:08.733 7115-7325 LoggingKt com.example.app D [nvssdk] Adding UWB BLE GATT: F9:9B:54:CD:1B:A0
2023-08-09 10:20:08.739 7115-7325 LoggingKt com.example.app D [nvssdk] Connecting to UWB BLE GATT: F9:9B:54:CD:1B:A0
2023-08-09 10:20:09.788 7115-7329 LoggingKt com.example.app D [nvssdk] Adding UWB BLE GATT: FC:04:39:EF:77:A4
2023-08-09 10:20:09.794 7115-7329 LoggingKt com.example.app D [nvssdk] Connecting to UWB BLE GATT: FC:04:39:EF:77:A4
2023-08-09 10:20:11.488 7115-7157 LoggingKt com.example.app D [nvssdk] UWB BLE Device Ready D5:B9:62:17:4E:FC
2023-08-09 10:20:11.489 7115-7157 LoggingKt com.example.app D [nvssdk] Sending Init to UWB BLE Device D5:B9:62:17:4E:FC
2023-08-09 10:20:11.603 7115-7315 LoggingKt com.example.app D [nvssdk] Got UWB D5:B9:62:17:4E:FC config data length: 18
2023-08-09 10:20:11.607 7115-7329 UwbMangerImpl com.example.app I Creating Gms Client session scope
2023-08-09 10:20:11.642 2472-3336 NearbyUWB com.google.android.gms.persistent I (REDACTED) onGetService: Create client bridge with key %s
2023-08-09 10:20:11.642 2472-3336 NearbyUWB com.google.android.gms.persistent I (REDACTED) Analytics is enabled for package %s
2023-08-09 10:20:11.650 2472-3336 NearbyUWB com.google.android.gms.persistent I (REDACTED) Client %s with package name %s, Op Identifier %s, and sdk version %s has con
2023-08-09 10:20:11.668 1281-3725 UwbConfManager system_server D getCapsInfo for protocol: generic
2023-08-09 10:20:11.668 1281-3725 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeGe
2023-08-09 10:20:11.668 1281-2605 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: CoreGetCapsInfo }
2023-08-09 10:20:11.669 836-836 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_core_get_caps_info: MT/GID/OID 4003 CMD
2023-08-09 10:20:11.669 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-08-09 10:20:11.669 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-08-09 10:20:11.670 1281-3725 UwbConfManager system_server I getCapsInfo respData: UwbTlvData { status = 0 length = 32, tlvs = [000401010101010401010101
2023-08-09 10:20:11.673 1281-3725 CccDecoder system_server W SUPPORTED_MIN_UWB_INITIATION_TIME_MS not found
2023-08-09 10:20:11.687 7115-7310 LoggingKt com.example.app D [nvssdk] Got UWB local address 1C:29 for D5:B9:62:17:4E:FC sessionId 1 ranging capabilities: distan
2023-08-09 10:20:11.824 7115-7327 LoggingKt com.example.app D [nvssdk] Accessory UWB D5:B9:62:17:4E:FC started
2023-08-09 10:20:11.826 7115-7157 LoggingKt com.example.app D [nvssdk] StartRanging waiting for 2 UWB beacon connection(s)
2023-08-09 10:20:12.135 7115-7323 LoggingKt com.example.app D [nvssdk] UWB BLE Device Ready FC:04:39:EF:77:A4
2023-08-09 10:20:12.136 7115-7323 LoggingKt com.example.app D [nvssdk] Sending Init to UWB BLE Device FC:04:39:EF:77:A4
2023-08-09 10:20:12.278 7115-7328 LoggingKt com.example.app D [nvssdk] Got UWB FC:04:39:EF:77:A4 config data length: 18
2023-08-09 10:20:12.281 7115-7157 UwbMangerImpl com.example.app I Creating Gms Client session scope
2023-08-09 10:20:12.291 2472-3922 NearbyUWB com.google.android.gms.persistent I (REDACTED) onGetService: Create client bridge with key %s
2023-08-09 10:20:12.292 2472-3922 NearbyUWB com.google.android.gms.persistent I (REDACTED) Analytics is enabled for package %s
2023-08-09 10:20:12.313 2472-3922 NearbyUWB com.google.android.gms.persistent I (REDACTED) Client %s with package name %s, Op Identifier %s, and sdk version %s has con
2023-08-09 10:20:12.328 1281-3725 UwbConfManager system_server D getCapsInfo for protocol: generic
2023-08-09 10:20:12.328 1281-3725 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeGe
2023-08-09 10:20:12.329 1281-2607 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: CoreGetCapsInfo }
2023-08-09 10:20:12.330 836-836 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_core_get_caps_info: MT/GID/OID 4003 CMD
2023-08-09 10:20:12.355 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-08-09 10:20:12.355 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-08-09 10:20:12.357 1281-3725 UwbConfManager system_server I getCapsInfo respData: UwbTlvData { status = 0 length = 32, tlvs = [000401010101010401010101
2023-08-09 10:20:12.358 1281-3725 CccDecoder system_server W SUPPORTED_MIN_UWB_INITIATION_TIME_MS not found
2023-08-09 10:20:12.364 7115-7327 LoggingKt com.example.app D [nvssdk] Got UWB local address 9D:A2 for FC:04:39:EF:77:A4 sessionId 2 ranging capabilities: distan
2023-08-09 10:20:12.459 7115-7323 LoggingKt com.example.app D [nvssdk] Accessory UWB FC:04:39:EF:77:A4 started
2023-08-09 10:20:12.830 7115-7315 LoggingKt com.example.app D [nvssdk] StartRanging waiting for 1 UWB beacon connection(s)
2023-08-09 10:20:13.081 7115-7157 LoggingKt com.example.app D [nvssdk] UWB BLE Device Ready F9:9B:54:CD:1B:A0
2023-08-09 10:20:13.082 7115-7157 LoggingKt com.example.app D [nvssdk] Sending Init to UWB BLE Device F9:9B:54:CD:1B:A0
2023-08-09 10:20:13.218 7115-7157 LoggingKt com.example.app D [nvssdk] Got UWB F9:9B:54:CD:1B:A0 config data length: 18
2023-08-09 10:20:13.225 7115-7315 UwbMangerImpl com.example.app I Creating Gms Client session scope
2023-08-09 10:20:13.237 2472-5233 NearbyUWB com.google.android.gms.persistent I (REDACTED) onGetService: Create client bridge with key %s
2023-08-09 10:20:13.238 2472-5233 NearbyUWB com.google.android.gms.persistent I (REDACTED) Analytics is enabled for package %s
2023-08-09 10:20:13.257 2472-5233 NearbyUWB com.google.android.gms.persistent I (REDACTED) Client %s with package name %s, Op Identifier %s, and sdk version %s has con
2023-08-09 10:20:13.264 1281-1828 UwbConfManager system_server D getCapsInfo for protocol: generic
2023-08-09 10:20:13.264 1281-1828 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeGe
2023-08-09 10:20:13.266 1281-2605 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: CoreGetCapsInfo }
2023-08-09 10:20:13.267 836-836 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_core_get_caps_info: MT/GID/OID 4003 CMD
2023-08-09 10:20:13.267 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-08-09 10:20:13.267 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-08-09 10:20:13.268 1281-1828 UwbConfManager system_server I getCapsInfo respData: UwbTlvData { status = 0 length = 32, tlvs = [000401010101010401010101
2023-08-09 10:20:13.269 1281-1828 CccDecoder system_server W SUPPORTED_MIN_UWB_INITIATION_TIME_MS not found
2023-08-09 10:20:13.271 7115-7328 LoggingKt com.example.app D [nvssdk] Got UWB local address 71:07 for F9:9B:54:CD:1B:A0 sessionId 3 ranging capabilities: distan
2023-08-09 10:20:13.352 7115-7157 LoggingKt com.example.app D [nvssdk] Accessory UWB F9:9B:54:CD:1B:A0 started
2023-08-09 10:20:13.833 7115-7327 LoggingKt com.example.app D [nvssdk] startRanging all 3 UWB beacons ready to start ranging
2023-08-09 10:20:13.835 7115-7157 LoggingKt com.example.app D [nvssdk] Start ranging session 1 UWB channel 5 preamble 9 device: B3:C9
2023-08-09 10:20:13.839 7115-7157 LoggingKt com.example.app D [nvssdk] Skipping starting UWB session 3 as useSingleUnicastSession is set
2023-08-09 10:20:13.839 7115-7157 LoggingKt com.example.app D [nvssdk] Skipping starting UWB session 2 as useSingleUnicastSession is set
2023-08-09 10:20:13.866 2472-7302 NearbyUWB com.google.android.gms.persistent I start ranging called. [CONTEXT service_id=49 ]
2023-08-09 10:20:13.867 2472-7302 UwbBackend com.google.android.gms.persistent I Opens UWB session with bundle parameters:
2023-08-09 10:20:13.867 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: aoa_result_request, value: 1
2023-08-09 10:20:13.867 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: has_ranging_control_phase, value: false
```



```
2023-08-09 10:20:13.867 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_random_window, value: 0
2023-08-09 10:20:13.867 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: session_data_transfer_status_ntf_config, value: false
2023-08-09 10:20:13.867 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_proximity_near, value: 0
2023-08-09 10:20:13.867 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: is_tx_adaptive_payload_power_enabled, value: false
2023-08-09 10:20:13.867 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: is_diagnostics_enabled, value: false
2023-08-09 10:20:13.867 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: rframe_config, value: 3
2023-08-09 10:20:13.867 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: max_ranging_round_retries, value: 0
2023-08-09 10:20:13.867 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: psdu_data_rate, value: 0
2023-08-09 10:20:13.867 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: is_rssi_reporting_enabled, value: false
2023-08-09 10:20:13.867 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: data_repetition_count, value: 0
2023-08-09 10:20:13.867 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: fcs_type, value: 0
2023-08-09 10:20:13.867 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_elevation_lower, value: -1.5707963267948966
2023-08-09 10:20:13.867 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_elevation_upper, value: 1.5707963267948966
2023-08-09 10:20:13.867 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: device_role, value: 0
2023-08-09 10:20:13.867 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: device_type, value: 0
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: block_stride_length, value: 0
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: prf_mode, value: 0
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: slot_duration_rstu, value: 2400
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: protocol_version, value: 1.1
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: slots_per_ranging_round, value: 6
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: min_frames_per_rr, value: 1
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: vendor_id, value: [7, 8]
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: ranging_error_streak_timeout_ms, value: 10000
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: ranging_interval_ms, value: 200
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: dest_address_list, value: [-3912783651254829056]
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: sfd_id, value: 2
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: filter_type, value: 1
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: num_of_msrmf_focus_on_range, value: 0
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: channel_number, value: 5
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: session_priority, value: 50
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: is_key_rotation_enabled, value: false
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: session_type, value: 0
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_tx_timestamp_type, value: 0
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: sts_config, value: 0
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: num_of_msrmf_focus_on_aoa_elevation, value: 0
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: in_band_termination_attempt_count, value: 3
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_proximity_far, value: 20000
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: bprf_phr_data_rate, value: 0
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: sts_length, value: 1
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: initiation_time_ms, value: 0
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: aoa_type, value: 0
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: has_time_of_flight_report, value: true
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: has_angle_of_arrival_figure_of_merit_report, value: false
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: session_key, value: null
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: mtu_size, value: 1048
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: has_angle_of_arrival_azimuth_report, value: false
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: mac_address_mode, value: 0
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: max_number_of_measurements, value: 0
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: preamble_duration, value: 1
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: key_rotation_rate, value: 0
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: inter_frame_interval, value: 1
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: bundle_version, value: 1
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: scheduled_mode, value: 1
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: has_angle_of_arrival_elevation_report, value: false
2023-08-09 10:20:13.868 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: static_sts_iv, value: [1, 2, 3, 4, 5, 6]
2023-08-09 10:20:13.869 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: application_data_endpoint, value: 0
2023-08-09 10:20:13.869 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_config, value: 1
2023-08-09 10:20:13.869 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: ranging_round_usage, value: 2
2023-08-09 10:20:13.869 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: protocol_name, value: fira
2023-08-09 10:20:13.869 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: has_control_message, value: true
2023-08-09 10:20:13.869 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: has_result_report_phase, value: true
2023-08-09 10:20:13.869 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: device_address, value: 2962242654902943744
2023-08-09 10:20:13.869 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: diagrams_frame_reports_fields_flags, value: 0
2023-08-09 10:20:13.869 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: measurement_report_phase, value: 0
2023-08-09 10:20:13.869 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: absolute_initiation_time_us, value: 0
2023-08-09 10:20:13.869 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: measurement_report_type, value: 0
2023-08-09 10:20:13.869 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_device_id, value: null
2023-08-09 10:20:13.869 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: preamble_code_index, value: 9
2023-08-09 10:20:13.869 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_device_id_type, value: 0
2023-08-09 10:20:13.869 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: session_id, value: 1
2023-08-09 10:20:13.869 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_azimuth_lower, value: -3.141592653589793
2023-08-09 10:20:13.869 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: range_data_ntf_aoa_azimuth_upper, value: 3.141592653589793
2023-08-09 10:20:13.869 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: subsession_key, value: null
2023-08-09 10:20:13.869 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: multi_node_mode, value: 0
2023-08-09 10:20:13.869 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: num_of_msrmf_focus_on_aoa_azimuth, value: 0
2023-08-09 10:20:13.869 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: ul_tdoa_tx_interval, value: 2000
2023-08-09 10:20:13.869 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: hopping_mode, value: 1
2023-08-09 10:20:13.869 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: sts_segment_count, value: 1
2023-08-09 10:20:13.869 2472-7302 UwbBackend com.google.android.gms.persistent I UWB parameter: link_layer_mode, value: 0
2023-08-09 10:20:13.875 2472-7302 Uwb.Rangin...r@281a723] com.google.android.gms.persistent V openSession - sessionHandle: SessionHandle [id=83, package-name: com.google.ar
2023-08-09 10:20:13.881 1281-1828 UwbSessionManager system_server I initSession() - sessionId: 1, sessionHandle: SessionHandle [id=83, package-name: com.google.a
2023-08-09 10:20:13.882 1281-1828 UwbSessionManager system_server D Found a 3p app/service in the attribution source of request: android.content.AttributionSource(
2023-08-09 10:20:13.883 1281-1828 UwbSessionManager system_server D Detected start of non privileged FIRA session from android.content.AttributionSource@d72332
2023-08-09 10:20:13.884 1281-7356 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-08-09 10:20:13.884 1281-2607 uwb system_server D uwb_core::uci:uci_manager: Received cmd: SendUciCommand { cmd: SessionInit { session_id: 1, sessio
2023-08-09 10:20:13.885 836-836 qorvo.uwb....nd_manager android.hardware.qorvo.uwb.service I uci_backend_manager_session_init: MT/GID/OID 2100 CMD
```

2023-08-09 10:20:13.885 836-836 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_init: MT/GID/OID 4100 CMD
2023-08-09 10:20:13.885 836-836 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 1 session_id 1
2023-08-09 10:20:13.885 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-08-09 10:20:13.885 836-836 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_init: MT/GID/OID 4100 RSP 0
2023-08-09 10:20:13.885 836-836 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 0 (0)
2023-08-09 10:20:13.887 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:13.888 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-08-09 10:20:13.888 1281-2614 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 0, 0)
2023-08-09 10:20:13.888 1281-2614 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : INIT, reasonCode:0
2023-08-09 10:20:13.888 1281-7356 UwbConfManager system_server D setAppConfigurations for protocol: fira
2023-08-09 10:20:13.888 1281-7356 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-08-09 10:20:13.888 1281-2607 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionSetAppConfig { session_ic
PreambleCodeIndex, v: [9] }, AppConfigTlv { cfg_id: Sfdld, v: [2] }, AppConfigTlv { cfg_id: PsduDataRate, v: [0] }, AppConfigTlv { cfg_id: PreambleDuration, v: [1] }, AppConfigTlv { cfg_id: Ranging
AppConfigTlv { cfg_id: DstMacAddress, v: [179, 201] }, AppConfigTlv { cfg_id: UwbInitiationTime, v: [0, 0, 0, 0] }, AppConfigTlv { cfg_id: VendorId, v: "redacted" }, AppConfigTlv { cfg_id: StaticSta
2023-08-09 10:20:13.888 836-836 qorvo.uwb.....nd_manager android.hardware.qorvo.uwb.service I uci_backend_manager_session_set_app_config: MT/GID/OID 2103 CMD
2023-08-09 10:20:13.889 836-836 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: MT/GID/OID 4103 CMD
2023-08-09 10:20:13.889 836-836 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: session_id=1
2023-08-09 10:20:13.889 836-836 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-08-09 10:20:13.889 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-08-09 10:20:13.889 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-08-09 10:20:13.889 836-836 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: mac_state=3
2023-08-09 10:20:13.889 836-836 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: uci_state=0
2023-08-09 10:20:13.889 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-08-09 10:20:13.889 836-836 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-08-09 10:20:13.889 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-08-09 10:20:13.889 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-08-09 10:20:13.889 836-836 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: mac_state=3
2023-08-09 10:20:13.889 836-836 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 9 session_id 1
2023-08-09 10:20:13.889 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-08-09 10:20:13.889 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-08-09 10:20:13.889 836-836 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 5 session_id 1
2023-08-09 10:20:13.889 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-08-09 10:20:13.889 836-836 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_set_app_config: MT/GID/OID 4103 RSP 0
2023-08-09 10:20:13.889 836-836 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 3 (0)
2023-08-09 10:20:13.890 1281-7356 UwbConfManager system_server I setAppConfigurations respData: UwbConfigStatusData { status = 0 length = 0, tlvs = [] }
2023-08-09 10:20:13.890 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:13.890 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-08-09 10:20:13.890 1281-2614 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 3, 0)
2023-08-09 10:20:13.890 1281-2614 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : IDLE, reasonCode:0
2023-08-09 10:20:13.890 2472-5233 Uwb.Rangin...n@1d5ce37 com.google.android.gms.persistent V onRangingOpened - sessionHandle: SessionHandle [id=83, package-name: com.goo
2023-08-09 10:20:13.890 1281-7356 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingOpened
2023-08-09 10:20:13.891 1281-1841 UwbSessionManager system_server I sessionInit() : finish - sessionId : 1
2023-08-09 10:20:13.891 2472-7302 Uwb.Rangin...n@1d5ce37 com.google.android.gms.persistent V start - sessionHandle: SessionHandle [id=83, package-name: com.google.android.g
2023-08-09 10:20:13.891 1281-4606 UwbSessionManager system_server I startRanging() - sessionId: 1, sessionHandle: SessionHandle [id=83, package-name: com.google
2023-08-09 10:20:13.892 1281-7357 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeRa
2023-08-09 10:20:13.892 1281-2607 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionStart { session_id: 1 } }
2023-08-09 10:20:13.892 836-836 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_start: MT/GID/OID 4200 CMD
2023-08-09 10:20:13.892 836-836 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-08-09 10:20:13.892 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-08-09 10:20:13.892 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-08-09 10:20:13.892 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-08-09 10:20:13.892 836-836 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 2 session_id 1
2023-08-09 10:20:13.893 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-08-09 10:20:13.893 836-836 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_start: MT/GID/OID 4200 RSP 0
2023-08-09 10:20:13.893 836-836 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 2 (0)
2023-08-09 10:20:13.894 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:13.894 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-08-09 10:20:13.894 1281-2614 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 2, 0)
2023-08-09 10:20:13.894 1281-2614 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : ACTIVE, reasonCode:0
2023-08-09 10:20:13.894 1281-7357 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingStarted
2023-08-09 10:20:13.894 2472-5233 Uwb.Rangin...n@1d5ce37 com.google.android.gms.persistent V onRangingStarted - sessionHandle: SessionHandle [id=83, package-name: com.goo
2023-08-09 10:20:13.894 2472-25089 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging initialized: %s
2023-08-09 10:20:13.897 7115-7115 UwbClientSessionScope com.example.app I Started UWB ranging.
2023-08-09 10:20:14.037 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-08-09 10:20:14.038 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:14.038 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:14.039 1281-2614 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 0, SessionId = 1, RcrIndica
2023-08-09 10:20:14.040 1281-2614 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:14.040 1281-2614 UwbSessionManager system_server V Starting error timer for 10000 ms.
2023-08-09 10:20:14.040 2472-5233 Uwb.Rangin...n@1d5ce37 com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:14.150 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-08-09 10:20:14.151 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:14.151 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:14.152 1281-2614 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 12, SessionId = 1, RcrIndic
2023-08-09 10:20:14.154 1281-2614 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:14.154 2472-5233 Uwb.Rangin...n@1d5ce37 com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:14.348 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-08-09 10:20:14.349 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:14.349 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:14.350 1281-2614 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 13, SessionId = 1, RcrIndic
2023-08-09 10:20:14.351 1281-2614 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:14.351 2472-2495 Uwb.Rangin...n@1d5ce37 com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:14.548 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-08-09 10:20:14.549 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:14.549 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:14.550 1281-2614 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 14, SessionId = 1, RcrIndic

2023-08-09 10:20:14.551	1281-2614	UwbSessionNotiManager	system_server	I	IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:14.552	2472-2495	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V	onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:14.749	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I	report_nL_cb
2023-08-09 10:20:14.750	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:14.751	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:14.751	1281-2614	NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 15, SessionId = 1, RcrIndic
2023-08-09 10:20:14.755	1281-2614	UwbSessionNotiManager	system_server	I	IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:14.755	2472-2495	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V	onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:14.948	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I	report_nL_cb
2023-08-09 10:20:14.949	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:14.950	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:14.950	1281-2614	NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 16, SessionId = 1, RcrIndic
2023-08-09 10:20:14.953	1281-2614	UwbSessionNotiManager	system_server	I	IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:14.953	2472-2495	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V	onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:15.237	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I	report_nL_cb
2023-08-09 10:20:15.237	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:15.238	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:15.239	1281-2614	NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 17, SessionId = 1, RcrIndic
2023-08-09 10:20:15.240	1281-2614	UwbSessionNotiManager	system_server	I	IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:15.241	2472-5233	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V	onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:15.350	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I	report_nL_cb
2023-08-09 10:20:15.350	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:15.351	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:15.351	1281-2614	NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 18, SessionId = 1, RcrIndic
2023-08-09 10:20:15.352	1281-2614	UwbSessionNotiManager	system_server	I	IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:15.352	2472-5233	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V	onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:15.590	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I	report_nL_cb
2023-08-09 10:20:15.590	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:15.591	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:15.591	1281-2614	NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 19, SessionId = 1, RcrIndic
2023-08-09 10:20:15.591	1281-2614	UwbSessionNotiManager	system_server	I	IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:15.591	2472-5233	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V	onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:15.748	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I	report_nL_cb
2023-08-09 10:20:15.749	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:15.749	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:15.750	1281-2614	NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 20, SessionId = 1, RcrIndic
2023-08-09 10:20:15.751	1281-2614	UwbSessionNotiManager	system_server	I	IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:15.751	2472-5233	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V	onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:15.948	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I	report_nL_cb
2023-08-09 10:20:15.949	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:15.950	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:15.950	1281-2614	NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 21, SessionId = 1, RcrIndic
2023-08-09 10:20:15.952	1281-2614	UwbSessionNotiManager	system_server	I	IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:15.952	2472-5233	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V	onRangingResult - sessionHandle: SessionHandle [id=83, package

[illegible]

2023-08-09 10:20:20.397	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:20.397	1281-2614	NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 43, SessionId = 1, RcrIndic
2023-08-09 10:20:20.399	1281-2614	UwbSessionNotiManager	system_server	I	IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:20.399	2472-3922	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V	onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:20.548	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I	report_nl_cb
2023-08-09 10:20:20.550	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:20.550	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:20.551	1281-2614	NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 44, SessionId = 1, RcrIndic
2023-08-09 10:20:20.552	1281-2614	UwbSessionNotiManager	system_server	I	IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:20.553	2472-3922	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V	onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:20.748	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I	report_nl_cb
2023-08-09 10:20:20.749	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:20.749	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:20.750	1281-2614	NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 45, SessionId = 1, RcrIndic
2023-08-09 10:20:20.751	1281-2614	UwbSessionNotiManager	system_server	I	IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:20.751	2472-3922	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V	onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:20.948	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I	report_nl_cb
2023-08-09 10:20:20.949	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:20.950	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:20.950	1281-2614	NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 46, SessionId = 1, RcrIndic
2023-08-09 10:20:20.952	1281-2614	UwbSessionNotiManager	system_server	I	IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:20.953	2472-3922	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V	onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:21.148	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I	report_nl_cb
2023-08-09 10:20:21.149	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:21.149	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:21.150	1281-2614	NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 47, SessionId = 1, RcrIndic
2023-08-09 10:20:21.151	1281-2614	UwbSessionNotiManager	system_server	I	IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:21.151	2472-3922	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V	onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:21.358	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I	report_nl_cb
2023-08-09 10:20:21.359	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:21.360	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:21.360	1281-2614	NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 48, SessionId = 1, RcrIndic
2023-08-09 10:20:21.362	1281-2614	UwbSessionNotiManager	system_server	I	IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:21.364	2472-3336	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V	onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:21.368	2472-7302	NearbyUWB	com.google.android.gms.persistent	I	(REDACTED) Ranging Result: %s %s
2023-08-09 10:20:21.376	7115-7313	LoggingKt	com.example.app	D	[nvskd] UWB position for device: B3:C9 azimuth: 29.453125 elevation: 46.242188 distance: 0.65
2023-08-09 10:20:21.380	7115-7313	MainActivity	com.example.app	D	Estimate UWB device: B3:C9 azimuth: 29.453125 elevation: 46.242188 distance: 0.65
2023-08-09 10:20:21.548	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I	report_nl_cb
2023-08-09 10:20:21.549	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:21.549	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:21.549	1281-2614	NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 49, SessionId = 1, RcrIndic
2023-08-09 10:20:21.550	1281-2614	UwbSessionNotiManager	system_server	I	IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:21.550	1281-2614	UwbSessionManager	system_server	V	Starting error timer for 10000 ms.
2023-08-09 10:20:21.550	2472-3336	Uwb.Rangin...n@1d5ce37]			

2023-08-09 10:20:23.148	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nl_cb
2023-08-09 10:20:23.148	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:23.149	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:23.149	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 57, SessionId = 1, RcrIndic
2023-08-09 10:20:23.150	1281-2614	UwbSessionNotiManager	system_server	I UwbRangingCallbacks - onRangingResult
2023-08-09 10:20:23.151	2472-4881	Uwb.Rangin...n@1d5ce37	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:23.348	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nl_cb
2023-08-09 10:20:23.349	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:23.349	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:23.349	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 58, SessionId = 1, RcrIndic
2023-08-09 10:20:23.351	1281-2614	UwbSessionNotiManager	system_server	I UwbRangingCallbacks - onRangingResult
2023-08-09 10:20:23.351	2472-5233	Uwb.Rangin...n@1d5ce37	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:23.548	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nl_cb
2023-08-09 10:20:23.549	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:23.550	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:23.550	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 59, SessionId = 1, RcrIndic
2023-08-09 10:20:23.551	1281-2614	UwbSessionNotiManager	system_server	I UwbRangingCallbacks - onRangingResult
2023-08-09 10:20:23.553	2472-5233	Uwb.Rangin...n@1d5ce37	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:23.758	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nl_cb
2023-08-09 10:20:23.758	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:23.759	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:23.759	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 60, SessionId = 1, RcrIndic
2023-08-09 10:20:23.761	1281-2614	UwbSessionNotiManager	system_server	I UwbRangingCallbacks - onRangingResult
2023-08-09 10:20:23.761	2472-5233	Uwb.Rangin...n@1d5ce37	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:23.762	2472-7081	NearbyUWB	com.google.android.gms.persistent	I (REDACTED) Ranging Result: %s %s
2023-08-09 10:20:23.764	7115-7313	LoggingKit	com.example.app	D [nvsdk] UWB position for device: B3:C9 azimuth: 43.445312 elevation: 27.023438 distance: 0.63
2023-08-09 10:20:23.765	7115-7313	MainActivity	com.example.app	D Estimate UWB device: B3:C9 azimuth: 43.445312 elevation: 27.023438 distance: 0.63
2023-08-09 10:20:23.948	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nl_cb
2023-08-09 10:20:23.948	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:23.949	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:23.949	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 61, SessionId = 1, RcrIndic
2023-08-09 10:20:23.950	1281-2614	UwbSessionNotiManager	system_server	I UwbRangingCallbacks - onRangingResult
2023-08-09 10:20:23.951	1281-2614	UwbSessionManager	system_server	V Starting error timer for 10000 ms.
2023-08-09 10:20:23.951	2472-5233	Uwb.Rangin...n@1d5ce37	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:24.148	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nl_cb
2023-08-09 10:20:24.149	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:24.149	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:24.149	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 62, SessionId = 1, RcrIndic
2023-08-09 10:20:24.150	1281-2614	UwbSessionNotiManager	system_server	I UwbRangingCallbacks - onRangingResult
2023-08-09 10:20:24.151	2472-5233	Uwb.Rangin...n@1d5ce37	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:24.348	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nl_cb
2023-08-09 10:20:24.348	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:24.349	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:24.349	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 63, SessionId = 1, RcrIndic
2023-08-09 10:20:24.350	1281-2614	UwbSessionNotiManager	system_server	I UwbRangingCallbacks - onRangingResult
2023-08-09 10:20:24.351	2472-4881	Uwb.Rangin...n@1d5ce37	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-				

2023-08-09 10:20:25.750	1281-2614	UwbSessionNotiManager	system_server	I UwbRangingCallbacks - onRangingResult
2023-08-09 10:20:25.750	2472-2495	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:25.948	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-08-09 10:20:25.949	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:25.950	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:25.950	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 71, SessionId = 1, RcrIndic
2023-08-09 10:20:25.951	1281-2614	UwbSessionNotiManager	system_server	I UwbRangingCallbacks - onRangingResult
2023-08-09 10:20:25.951	2472-2495	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:26.158	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-08-09 10:20:26.159	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:26.160	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:26.160	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 72, SessionId = 1, RcrIndic
2023-08-09 10:20:26.164	2472-2495	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:26.164	1281-2614	UwbSessionNotiManager	system_server	I UwbRangingCallbacks - onRangingResult
2023-08-09 10:20:26.167	2472-7303	NearbyUWB	com.google.android.gms.persistent	I (REDACTED) Ranging Result: %s %s
2023-08-09 10:20:26.171	7115-7325	LoggingKit	com.example.app	D [nsvd] UWB position for device: B3:C9 azimuth: 70.359375 elevation: 28.476562 distance: 0.64
2023-08-09 10:20:26.173	7115-7325	MainActivity	com.example.app	D Estimate UWB device: B3:C9 azimuth: 70.359375 elevation: 28.476562 distance: 0.64
2023-08-09 10:20:26.347	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-08-09 10:20:26.348	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:26.349	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:26.350	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 73, SessionId = 1, RcrIndic
2023-08-09 10:20:26.351	1281-2614	UwbSessionNotiManager	system_server	I UwbRangingCallbacks - onRangingResult
2023-08-09 10:20:26.351	1281-2614	UwbSessionManager	system_server	V Starting error timer for 10000 ms.
2023-08-09 10:20:26.351	2472-2495	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:26.548	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-08-09 10:20:26.549	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:26.549	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:26.550	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 74, SessionId = 1, RcrIndic
2023-08-09 10:20:26.551	1281-2614	UwbSessionNotiManager	system_server	I UwbRangingCallbacks - onRangingResult
2023-08-09 10:20:26.551	2472-2495	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:26.748	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-08-09 10:20:26.749	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:26.750	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:26.750	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 75, SessionId = 1, RcrIndic
2023-08-09 10:20:26.751	1281-2614	UwbSessionNotiManager	system_server	I UwbRangingCallbacks - onRangingResult
2023-08-09 10:20:26.752	2472-2495	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:26.949	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-08-09 10:20:26.950	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:26.951	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:26.952	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 76, SessionId = 1, RcrIndic
2023-08-09 10:20:26.954	1281-2614	UwbSessionNotiManager	system_server	I UwbRangingCallbacks - onRangingResult
2023-08-09 10:20:26.954	2472-2495	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:27.237	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-08-09 10:20:27.237	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:27.238	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:27.238	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 77, SessionId = 1, RcrIndic
2023-08-0				


2023-08-09 10:20:28.559	1281-2614	uw_b	system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:28.559	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 84, SessionId = 1, RcrIndic
2023-08-09 10:20:28.560	1281-2614	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:28.560	2472-5233	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:28.561	2472-7303	NearbyUWB	com.google.android.gms.persistent	I (REDACTED) Ranging Result: %s %s
2023-08-09 10:20:28.563	7115-7310	LoggingKt	com.example.app	D [nvsdk] UWB position for device: B3:C9 azimuth: 58.742188 elevation: 49.34375 distance: 0.64
2023-08-09 10:20:28.564	7115-7310	MainActivity	com.example.app	D Estimate UWB device: B3:C9 azimuth: 58.742188 elevation: 49.34375 distance: 0.64
2023-08-09 10:20:28.748	836-836	qorvo.uwb.uw_bmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-08-09 10:20:28.749	1281-2614	uw_b	system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:28.750	1281-2614	uw_b	system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:28.750	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 85, SessionId = 1, RcrIndic
2023-08-09 10:20:28.752	1281-2614	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:28.752	1281-2614	UwbSessionManager	system_server	V Starting error timer for 10000 ms.
2023-08-09 10:20:28.752	2472-5233	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:28.948	836-836	qorvo.uwb.uw_bmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-08-09 10:20:28.949	1281-2614	uw_b	system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:28.949	1281-2614	uw_b	system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:28.950	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 86, SessionId = 1, RcrIndic
2023-08-09 10:20:28.951	1281-2614	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:28.952	2472-5233	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:29.148	836-836	qorvo.uwb.uw_bmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-08-09 10:20:29.149	1281-2614	uw_b	system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:29.150	1281-2614	uw_b	system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:29.151	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 87, SessionId = 1, RcrIndic
2023-08-09 10:20:29.152	2472-5233	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:29.153	1281-2614	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:29.348	836-836	qorvo.uwb.uw_bmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-08-09 10:20:29.351	1281-2614	uw_b	system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:29.352	1281-2614	uw_b	system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:29.352	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 88, SessionId = 1, RcrIndic
2023-08-09 10:20:29.355	1281-2614	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:29.356	2472-5233	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:29.637	836-836	qorvo.uwb.uw_bmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-08-09 10:20:29.638	1281-2614	uw_b	system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:29.638	1281-2614	uw_b	system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:29.638	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 89, SessionId = 1, RcrIndic
2023-08-09 10:20:29.639	1281-2614	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:29.639	2472-5233	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:29.750	836-836	qorvo.uwb.uw_bmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-08-09 10:20:29.751	1281-2614	uw_b	system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:29.751	1281-2614	uw_b	system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:29.752	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 90, SessionId = 1, RcrIndic
2023-08-09 10:20:29.753	1281-2614	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:29.753	2472-5233	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:29.990	836-836	qorvo.uwb.uw_bmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-08-09 10:20:29.991	1281-2614	uw_b	system_server	D uw_b_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
20				

2023-08-09	10:20:31.552	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-08-09	10:20:31.553	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09	10:20:31.553	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09	10:20:31.553	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 98, SessionId = 1, RcrInd
2023-08-09	10:20:31.555	1281-2614	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-08-09	10:20:31.555	2472-2495	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09	10:20:31.754	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-08-09	10:20:31.754	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09	10:20:31.755	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09	10:20:31.755	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 99, SessionId = 1, RcrIndic
2023-08-09	10:20:31.756	1281-2614	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-08-09	10:20:31.757	2472-2495	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09	10:20:31.797	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-08-09	10:20:31.797	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09	10:20:31.798	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09	10:20:31.798	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 100, SessionId = 1, RcrInd
2023-08-09	10:20:31.799	1281-2614	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-08-09	10:20:31.799	2472-2495	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09	10:20:32.037	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-08-09	10:20:32.038	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09	10:20:32.038	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09	10:20:32.038	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 101, SessionId = 1, RcrInd
2023-08-09	10:20:32.040	1281-2614	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-08-09	10:20:32.040	2472-2495	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09	10:20:32.278	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-08-09	10:20:32.278	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09	10:20:32.279	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09	10:20:32.279	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 102, SessionId = 1, RcrInd
2023-08-09	10:20:32.279	1281-2614	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-08-09	10:20:32.280	2472-5233	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09	10:20:32.517	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-08-09	10:20:32.519	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09	10:20:32.520	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09	10:20:32.520	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 103, SessionId = 1, RcrInd
2023-08-09	10:20:32.522	2472-5233	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09	10:20:32.522	1281-2614	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-08-09	10:20:32.757	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-08-09	10:20:32.758	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09	10:20:32.758	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09	10:20:32.759	1281-2614	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 104, SessionId = 1, RcrInd
2023-08-09	10:20:32.760	1281-2614	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-08-09	10:20:32.761	2472-5233	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09	10:20:32.966	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nL_cb
2023-08-09	10:20:32.966	1281-2614	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09	10:20:32.967	1281-2614	uwb		

2023-08-09 10:20:34.197	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:34.197	1281-2614	NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 112, SessionId = 1, RcrInd
2023-08-09 10:20:34.197	1281-2614	UwbSessionNotiManager	system_server	I	IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:34.197	2472-3336	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V	onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:34.437	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I	report_nl_cb
2023-08-09 10:20:34.438	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:34.438	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:34.439	1281-2614	NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 113, SessionId = 1, RcrInd
2023-08-09 10:20:34.440	1281-2614	UwbSessionNotiManager	system_server	I	IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:34.440	2472-3336	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V	onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:34.677	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I	report_nl_cb
2023-08-09 10:20:34.678	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:34.679	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:34.679	1281-2614	NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 114, SessionId = 1, RcrInd
2023-08-09 10:20:34.681	1281-2614	UwbSessionNotiManager	system_server	I	IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:34.681	2472-3336	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V	onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:34.917	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I	report_nl_cb
2023-08-09 10:20:34.918	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:34.918	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:34.919	1281-2614	NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 115, SessionId = 1, RcrInd
2023-08-09 10:20:34.920	1281-2614	UwbSessionNotiManager	system_server	I	IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:34.921	2472-3336	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V	onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:35.157	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I	report_nl_cb
2023-08-09 10:20:35.158	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:35.158	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:35.159	1281-2614	NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 116, SessionId = 1, RcrInd
2023-08-09 10:20:35.160	1281-2614	UwbSessionNotiManager	system_server	I	IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:35.160	2472-3336	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V	onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:35.390	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I	report_nl_cb
2023-08-09 10:20:35.392	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:35.392	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:35.392	1281-2614	NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 117, SessionId = 1, RcrInd
2023-08-09 10:20:35.395	2472-5233	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V	onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:35.395	1281-2614	UwbSessionNotiManager	system_server	I	IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:35.397	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I	report_nl_cb
2023-08-09 10:20:35.397	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:35.398	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:35.398	1281-2614	NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 118, SessionId = 1, RcrInd
2023-08-09 10:20:35.399	1281-2614	UwbSessionNotiManager	system_server	I	IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:35.399	2472-5233	Uwb.Rangin...n@1d5ce37]	com.google.android.gms.persistent	V	onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:35.637	836-836	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I	report_nl_cb
2023-08-09 10:20:35.637	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:35.638	1281-2614	uwb	system_server	D	uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:35.638	1281-2614	NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 119, Session

2023-08-09 10:20:37.210 1281-2614 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:37.210 2472-2495 Uwb.Rangin...n@1d5ce37 com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:37.410 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-08-09 10:20:37.411 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:37.411 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:37.411 1281-2614 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 127, SessionId = 1, RcrInd
2023-08-09 10:20:37.411 1281-2614 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:37.411 2472-3922 Uwb.Rangin...n@1d5ce37 com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:37.612 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-08-09 10:20:37.613 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:37.613 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:37.613 1281-2614 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 128, SessionId = 1, RcrInd
2023-08-09 10:20:37.613 1281-2614 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:37.614 2472-3922 Uwb.Rangin...n@1d5ce37 com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:37.814 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-08-09 10:20:37.815 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:37.815 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:37.815 1281-2614 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 129, SessionId = 1, RcrInd
2023-08-09 10:20:37.816 1281-2614 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:37.816 2472-3922 Uwb.Rangin...n@1d5ce37 com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:37.816 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-08-09 10:20:38.017 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:38.018 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:38.018 1281-2614 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 130, SessionId = 1, RcrInd
2023-08-09 10:20:38.019 1281-2614 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:38.019 2472-3922 Uwb.Rangin...n@1d5ce37 com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:38.218 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-08-09 10:20:38.218 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:38.219 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:38.219 1281-2614 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 131, SessionId = 1, RcrInd
2023-08-09 10:20:38.219 1281-2614 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:38.220 2472-3922 Uwb.Rangin...n@1d5ce37 com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:38.420 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-08-09 10:20:38.420 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:38.421 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:38.421 1281-2614 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 132, SessionId = 1, RcrInd
2023-08-09 10:20:38.422 1281-2614 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:38.423 2472-2495 Uwb.Rangin...n@1d5ce37 com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:38.622 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-08-09 10:20:38.623 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:38.623 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:38.623 1281-2614 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 133, SessionId = 1, RcrInd
2023-08-09 10:20:38.625 1281-2614 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:38.625 2472-2495 Uwb.Rangin...n@1d5ce37 com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:38.752 1281-1841 UwbSessionManager system_server W Continuous errors or no ranging results detected for 10000 ms. Stopping session
2023-08-09 10:20:38.752 1281-1841 UwbSessionManager system_server I stopRanging() - sessionId: 1, sessionHandle: SessionHandle [id=83, package-name: com.google
2023-08-09 10:20:38.754 1281-1841 UwbSessionManager system_server V Stop timeout: 3000
2023-08-09 10:20:38.756 1281-7372 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeRa
2023-08-09 10:20:38.756 1281-2605 uwb system_server D uwb_core::uci:uci_manager: Received cmd: SendUciCommand { cmd: SessionStop { session_id: 1 } }
2023-08-09 10:20:38.757 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-08-09 10:20:38.757 836-836 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_stop: MT/GID/OID 4201 CMD
2023-08-09 10:20:38.757 836-836 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-08-09 10:20:38.757 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-08-09 10:20:38.757 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-08-09 10:20:38.757 836-836 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 3 session_id 1
2023-08-09 10:20:38.757 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-08-09 10:20:38.757 836-836 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_ranging_stop: MT/GID/OID 4201 RSP 0
2023-08-09 10:20:38.758 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:38.758 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-08-09 10:20:38.758 1281-2614 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 134, SessionId = 1, RcrInd
2023-08-09 10:20:38.760 1281-2614 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-08-09 10:20:38.760 2472-2495 Uwb.Rangin...n@1d5ce37 com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=83, package-name: com.goog
2023-08-09 10:20:38.870 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-08-09 10:20:38.870 836-836 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I handle_session_stop: session (1) stopped for reason (0)
2023-08-09 10:20:38.870 836-836 qorvo.uwb....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 3 (0)
2023-08-09 10:20:38.871 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:38.871 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-08-09 10:20:38.871 1281-2614 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 3, 0)
2023-08-09 10:20:38.872 1281-2614 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : IDLE, reasonCode:0
2023-08-09 10:20:38.872 1281-7372 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingStopped
2023-08-09 10:20:38.872 2472-2495 Uwb.Rangin...n@1d5ce37 com.google.android.gms.persistent V onRangingStopped - sessionHandle: SessionHandle [id=83, package-name: com.go
2023-08-09 10:20:38.873 2472-7303 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Suspended: %s reason code (%s)
2023-08-09 10:20:38.878 7115-7327 LoggingKt com.example.app D [nvsdk] Sending Stop to UWB beacon: D5:B9:62:17:4E:FC
2023-08-09 10:20:38.880 7115-7327 LoggingKt com.example.app E [nvsdk] UWB Peer disconnected: B3:C9 beacon: D5:B9:62:17:4E:FC
2023-08-09 10:20:38.947 7115-7327 LoggingKt com.example.app D [nvsdk] diagnostic event: UwbRangingDisconnectedEvent(deviceAddress=B3:C9, timestampMillis=1
2023-08-09 10:20:38.948 7115-7327 MainActivity com.example.app D UWB Peer disconnected: B3:C9
2023-08-09 10:20:38.948 7115-7327 LoggingKt com.example.app D [nvsdk] 0 UWB beacon(s) still ranging
2023-08-09 10:20:40.180 7115-7310 LoggingKt com.example.app D [nvsdk] Accessory UWB D5:B9:62:17:4E:FC stopped
2023-08-09 10:20:40.180 7115-7310 LoggingKt com.example.app D [nvsdk] Disconnecting UWB beacon: D5:B9:62:17:4E:FC
2023-08-09 10:20:40.181 7115-7310 LoggingKt com.example.app D [nvsdk] stopUwbRanging for D5:B9:62:17:4E:FC with 0 ranging
2023-08-09 10:20:40.182 7115-7310 LoggingKt com.example.app D [nvsdk] Cancelling all UWB and BLE connections
2023-08-09 10:20:40.241 7115-7328 LoggingKt com.example.app E [nvsdk] UWB ranging flow failed
kotlinx.coroutines.JobCancellationException: StandaloneCoroutine was cancelled; job=StandaloneCoroutine(Cancelling)@4386110
2023-08-09 10:20:40.250 2472-7364 NearbyUWB com.google.android.gms.persistent I stop ranging called. [CONTEXT service_id=49]
2023-08-09 10:20:40.250 2472-7364 UwbBackend com.google.android.gms.persistent I UWB stopRanging called but isRanging is false.
2023-08-09 10:20:40.250 2472-7364 Uwb.Rangin...n@1d5ce37 com.google.android.gms.persistent V close - sessionHandle: SessionHandle [id=83, package-name: com.google.android.g

2023-08-09 10:20:40.251 1281-3342 UwbSessionManager system_server I deinitSession() - sessionId: 1, sessionHandle: SessionHandle [id=83, package-name: com.google
2023-08-09 10:20:40.254 1281-7374 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeSe
2023-08-09 10:20:40.255 1281-2605 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: SessionDeinit { session_id: 1 } }
2023-08-09 10:20:40.255 836-836 qorvo.uwb.....nd_manager android.hardware.qorvo.uwb.service I uci_backend_manager_session_deinit: MT/GID/OID 2101 CMD
2023-08-09 10:20:40.255 836-836 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_deinit: MT/GID/OID 4101 CMD
2023-08-09 10:20:40.255 836-836 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 10 session_id 1
2023-08-09 10:20:40.267 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-08-09 10:20:40.267 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-08-09 10:20:40.267 836-836 qorvo.uwb.fira_helper android.hardware.qorvo.uwb.service I call_fira: call_id 4 session_id 1
2023-08-09 10:20:40.267 836-836 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I ack_handler
2023-08-09 10:20:40.267 836-836 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I uci_backend_fira_session_deinit: MT/GID/OID 4101 RSP 0
2023-08-09 10:20:40.267 836-836 qorvo.uwb.....ckend_fira android.hardware.qorvo.uwb.service I state_notification_with_code: MT/GID/OID 6102 NTF 1 (0)
2023-08-09 10:20:40.268 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-08-09 10:20:40.268 1281-2614 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onSessionStatusNotificationReceived
2023-08-09 10:20:40.268 1281-2614 NativeUwbManager system_server D onSessionStatusNotificationReceived(1, 1, 0)
2023-08-09 10:20:40.268 1281-2614 UwbSessionManager system_server I onSessionStatusNotificationReceived - Session ID : 1, state : DEINIT, reasonCode:0
2023-08-09 10:20:40.268 1281-7374 UwbSessionManager system_server I onRangingClosed - status : 0
2023-08-09 10:20:40.269 1281-7374 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingClosed
2023-08-09 10:20:40.269 2472-2495 Uwb.Rangin...n@1d5ce37] com.google.android.gms.persistent V onRangingClosed - sessionHandle: SessionHandle [id=83, package-name: com.google
2023-08-09 10:20:40.269 1281-1841 UwbSessionManager system_server D Detected end of non privileged FIRA session from android.content.AttributionSource@d723324
2023-08-09 10:20:40.269 1281-1841 UwbSessionManager system_server I deinit finish : status :0
2023-08-09 10:20:40.269 1281-1841 UwbSessionManager system_server I onDeinit - Ignoring already deleted session 1
2023-08-09 10:20:40.282 7115-7328 LoggingKt com.example.app D [invsdk] diagnostic event: UwbRangingErrorEvent(error=StandaloneCoroutine was cancelled, timestamp=2023-08-09 10:20:40.282, errorType=UwbRangingErrorType.STANDALONE_COROUTINE_WAS_CANCELLED)
2023-08-09 10:20:40.282 7115-7328 MainActivity com.example.app D UWB error: StandaloneCoroutine was cancelled

 **bugreport-felix-TQ3C.230705.001.C1-2023-08-09-10-26-18.zip**
12 MB [Download](#)

ju...@google.com <ju...@google.com> [#25](#)

Hi Team,

I'm the FSR for Ingenico at Google Cloud, and I was wondering if we could get back to Ingenico on that BUG ?

Thanks so much for your support !

rp...@google.com <rp...@google.com> [#26](#)

Reassigned to na...@gmail.com.

However we now see more disconnects and when ranging we seem to get a lot of other status messages with some ranging results. So general ranging stability seems to be worse.

Can you provide us more info on your test environment? How are you holding the devices? Are they facing each other or placed down, etc?

na...@gmail.com <na...@gmail.com> [#27](#)

No different to before when it at least kept ranging.

The UWB beacons are on a table about three feet from the phone, which is handheld above the level of the table and plugged into the laptop via a USB-C cable to capture the log. From past experience we know we can't have the phone on the table, as then it blocks reception.

na...@gmail.com <na...@gmail.com> [#28](#)

As I hadn't tried UWB Alpha7, I updated and tried on the Pixel 7 Pro and the Fold (folded not open).

What I see now on the Fold is that some of the fields are coming through as null, but at least we get distance.

I have attached the logcat filtered on UWB for both the 7 Pro and Fold. Both are still waiting for the Android 13 September update and Estimote still haven't provided firmware for the beacons

This time I was holding the beacons in one hand and the phone in the other and just getting them closer with varying phone orientation. So not very far apart and no obstructions, but I still see

 **7ProAlpha7.txt**
334 KB [View](#) [Download](#)

 **FoldAlpha7.txt**
851 KB [View](#) [Download](#)

rp...@google.com <rp...@google.com> [#29](#)

This time I was holding the beacons in one hand and the phone in the other and just getting them closer with varying phone orientation.

Just to rule out any interop issue with the beacon. Can you try ranging between the 2 phones? Are you seeing a lot of nulls even with the 2 phones?

rp...@google.com <rp...@google.com> [#30](#)

In the 7pro logs above, I don't see a lot of errors (`RangingStatus != 0`) in the ranging data reported:

```
onRangeDataNotificationReceived : UwbRangingData
2023-09-14 11:05:02.075 1243-2595 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { Se
```


[illegible]

onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:11.914 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se
onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:12.155 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se
onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:12.394 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se
onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:12.634 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se
onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:12.874 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se
onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:13.114 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se
onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:13.354 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se
onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:13.594 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se
onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:13.835 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se
onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:14.074 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se
onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:14.316 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se
onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:14.554 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se
onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:14.794 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se
onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:15.034 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se
onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:15.275 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se
onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:15.515 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se
onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:15.755 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se
onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:15.995 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se
onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:16.236 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se
onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:16.475 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se
onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:16.715 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se
onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:16.955 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se
onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:17.195 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se
onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:17.435 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se
onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:17.674 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se
onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:17.914 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se
onRangeDataNotificationReceived : UwbRangingData			
2023-09-14 11:05:18.155 1243-2595 NativeUwbManager	system_server	D	onRangeDataNotificationReceived : UwbRangingData { Se

na...@gmail.com <na...@gmail.com> [#31](#)

Yes, which is why I said "What I see now on the Fold is that some of the fields are coming through as null, but at least we get distance."
Do you know of issues with UWB on the Fold?

na...@gmail.com <na...@gmail.com> [#32](#)

I tried the Fold folded and unfolded just now and it doesn't seem to make a difference to the nulls, but at least range keeps coming through.
I guess you made more than just a Chinese fix in Jetpack UWB Alpha 7, unless it was via Play updates, but no real release notes for them, so it's hard to tell.
As it seems to be a Fold issue with the beacons, I wasn't planning to try Fold to 7 Pro, unless you really want that tested.

rp...@google.com <rp...@google.com> [#33](#)

Assigned to na...@gmail.com.

I tried the Fold folded and unfolded just now and it doesn't seem to make a difference to the nulls, but at least range keeps coming through.

Can you clarify what you mean by nulls if you are getting the distance info? Are you looking at AOA info?

na...@gmail.com <na...@gmail.com> [#34](#)

I mean no azimuth or elevation data, just distance. If you look at the ranging status, it isn't 0 it is 36 (we really need to know what these errors mean, as it would help work out what is going w

```
2023-09-19 09:24:03.705 1541-3275 uwb pid-1541 D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-09-19 09:24:03.706 1541-3275 uwb pid-1541 D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-09-19 09:24:03.706 1541-3275 NativeUwbManager pid-1541 D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 54, SessionId = 1, RcrIndicati
2023-09-19 09:24:03.708 2502-5021 Uwb.Rangin...n@8bb83c5 pid-2502 V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google.android.gm
2023-09-19 09:24:03.708 1541-3275 UwbSessionNotiManager pid-1541 I IUwbRangingCallbacks - onRangingResult
2023-09-19 09:24:03.710 2502-23629 NearbyUWB pid-2502 I (REDACTED) Ranging Result: %s %s
2023-09-19 09:24:03.715 23721-23849 LoggingKt com.example.app D [nvsdk] UWB position for device: 73:69 azimuth: null elevation: null distance: 0.73999316
2023-09-19 09:24:03.716 23721-23849 MainActivity com.example.app D Estimate UWB device: 73:69 azimuth: null elevation: null distance: 0.73999316
```

rp...@google.com <rp...@google.com> #35

Ack, I do see the ranging errors in Pixel fold. Just to confirm you are running Android 13 build on this device. I'll have to check with our internal hardware teams to check if there are any know

2023-09-14 11:09:07.626	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:07.866	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:08.106	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:08.345	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:08.586	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:08.826	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:09.066	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:09.306	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:09.545	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:09.792	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:10.026	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:10.265	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:10.499	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:10.746	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:10.986	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:11.225	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:11.458	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:11.698	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:11.938	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:12.179	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:12.418	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:12.658	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:12.898	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:13.138	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:13.379	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:13.626	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:13.865	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:14.106	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:14.346	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:14.586	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:14.826	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:15.059	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:15.298	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:15.546	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:15.786	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:16.018	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:16.266	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:16.506	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:16.746	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:16.986	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:17.225	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:17.466	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:17.706	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:17.946	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:18.185	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:18.418	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:18.659	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:18.899	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:19.138	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:19.379	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:19.618	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:19.858	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:20.103	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:20.338	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:20.578	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:20.818	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:21.058	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:21.298	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:21.542	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:21.778	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:22.018	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:22.259	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:22.497	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:22.737	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se

2023-09-14 11:09:22.976	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:23.216	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:23.483	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:23.724	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:23.963	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:24.203	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:24.444	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:24.688	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:24.923	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:25.390	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:25.632	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:25.643	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:25.883	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:26.123	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:26.363	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:26.603	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:26.844	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-09-14 11:09:27.194	1255-2617	NativeUwbManager	pid-1255	D onRangeDataNotificationReceived : UwbRangingData { Se

Message last modified on Sep 20, 2023 02:59AM

na...@gmail.com <na...@gmail.com> [#36](#)

Yes it's Android 13 on the Pixel 7 Pro and Fold, as we are still waiting for a firmware update from Estimote for their UWB beacons, so that they aren't using the fixed channel that doesn't work

rp...@google.com <rp...@google.com> [#37](#)

I'll have to check with our internal hardware teams to check if there are any known issues with Pixel fold that is expected to be fixed in Android 14.

Looks like we did have a known issue in Android T builds for Fold devices (there was some misconfiguration in the calibration file). We expect the issue to be resolved in Android 14.

Message last modified on Sep 21, 2023 04:38AM

ja...@estimote.com <ja...@estimote.com> [#38](#)

Dear All,

Estimote is pleased to inform that we have successfully resolved both the channel change and STS Vendor ID issues. A new firmware has been released for Estimote UWB Beacons, ensuring

Please shoot us a note to contact (at) estimote com to get the latest firmware OTA for your beacons.

da...@gmail.com <da...@gmail.com> [#39](#)

Were you able to get Multicast_DS_TWR functional also?

na...@gmail.com <na...@gmail.com> [#40](#)

We have ranging on Android 14 on a 6 Pro with the latest Estimote firmware.

It does appear that the 6 Pro is suffering from the intermittent Ranging status 33 that we saw on the Pixel Fold running Android 13.

But at least we can work with Android 14 now...

2023-10-11 17:17:37.770	1653-3262	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 326, SessionId = 1, RcrInd
2023-10-11 17:17:37.773	1653-3262	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-10-11 17:17:37.773	3002-3983	Uwb.Rangin...n@78873e4]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-10-11 17:17:37.775	3002-15842	NearbyUWB	com.google.android.gms.persistent	I (REDACTED) Ranging Result: %s %s
2023-10-11 17:17:37.781	18142-18436	UWBRange	com.example.app	I Ranging with position!
2023-10-11 17:17:37.784	18142-18435	UWBRange	com.example.app	I new value in ranger: Position(device=androidx.core.uwb.UwbDevice@838a06b, position=android
2023-10-11 17:17:37.787	18142-18142	MainActivity	com.example.app	D Estimote UWB device: 30:91 azimuth: 90.32059 elevation: 53.714214 distance: 0.92
2023-10-11 17:17:37.878	1300-1300	qorvo.uwb.uwbmac	android.hardware.qorvo.uwb.service	I report_nLcb
2023-10-11 17:17:37.879	1653-3262	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-10-11 17:17:37.880	1653-3262	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-10-11 17:17:37.880	1653-3262	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 327, SessionId = 1, RcrInd
2023-10-11 17:17:37.883	1653-3262	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-10-11 17:17:37.883	1653-3262	UwbSessionManager	system_server	V Starting error timer for 10000 ms.
2023-10-11 17:17:37.884	3002-3983	Uwb.Rangin...n@78873e4]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-10-11 17:17:37.886	3002-11080	NearbyUWB	com.google.android.gms.persistent	I (REDACTED) Ranging Result: %s %s
2023-10-11 17:17:37.893	18142-18436	UWBRange	com.example.app	I Ranging with position!
2023-10-11 17:17:37.897	18142-18431	UWBRange	com.example.app	I new value in ranger: Position(device=androidx.core.uwb.UwbDevice@d4c4061, position=android
2023-10-11 17:17:37.899	18142-18142	MainActivity	com.example.app	D Estimote UWB device: 30:91 azimuth: null elevation: null distance: 0.91999996

na...@gmail.com <na...@gmail.com> [#41](#)

The 6 Pro was running Android 14 QPR1 and I found that even though the UWB code is running in a foreground service, then turning the screen off stopped UWB ranging.

It was fine on the Fold running stock Android 14.

So I updated the 6 Pro to 14 QPR2 and it has fixed the screen off issue.

I still see the non-zero ranging status in between 0, but this time it is RangingStatus 34... as per my usual comment... what do the non-zero RangingStatus codes mean?

```

3-10-12 16:30:06.542 1855-7042 system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-10-12 16:30:06.542 1855-7042 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-10-12 16:30:06.542 1855-7042 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 88, SessionId = 1, RcrIndic
2023-10-12 16:30:06.543 1855-7042 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-10-12 16:30:06.543 1855-7042 UwbSessionManager system_server V Starting error timer for 10000 ms.
2023-10-12 16:30:06.545 6038-7046 Uwb.Rangin...n@b3702c8 com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-10-12 16:30:06.545 6038-15646 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Result: %s %s
2023-10-12 16:30:06.548 12926-13771 LoggingKt com.example.app D [nvsdk] UWB position for device: 69:73 azimuth: null elevation: null distance: 0.93
2023-10-12 16:30:06.548 12926-13771 MainActivity com.example.app D Estimate UWB device: 69:73 azimuth: null elevation: null distance: 0.93
2023-10-12 16:30:06.551 12926-13685 LoggingKt com.example.app D [nvsdk] StartRanging waiting for 1 UWB beacon connection(s)
2023-10-12 16:30:06.792 1427-1427 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_n_l_cb
2023-10-12 16:30:06.792 1855-7042 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-10-12 16:30:06.792 1855-7042 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-10-12 16:30:06.792 1855-7042 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 89, SessionId = 1, RcrIndic
2023-10-12 16:30:06.793 1855-7042 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-10-12 16:30:06.794 6038-8793 Uwb.Rangin...n@b3702c8 com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-10-12 16:30:06.794 6038-11227 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Result: %s %s
2023-10-12 16:30:06.796 12926-13685 LoggingKt com.example.app D [nvsdk] UWB position for device: 69:73 azimuth: 95.41269 elevation: 40.31026 distance: 0.94
2023-10-12 16:30:06.797 12926-13685 MainActivity com.example.app D Estimate UWB device: 69:73 azimuth: 95.41269 elevation: 40.31026 distance: 0.94

```

I'll check on the 7 Pro which is also stock Android 14, but the Fold was seeing non-zero RangingStatus 33 and 34 in this section:

```

2023-10-12 16:38:14.051 1549-2973 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 31, SessionId = 1, RcrIndic
2023-10-12 16:38:14.053 1549-2973 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-10-12 16:38:14.053 1549-2973 UwbSessionManager system_server V Starting error timer for 10000 ms.
2023-10-12 16:38:14.053 2904-5755 Uwb.Rangin...n@9247df3 com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=101, package-name: com.goo
2023-10-12 16:38:14.055 2904-8364 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Result: %s %s
2023-10-12 16:38:14.058 9761-9917 LoggingKt com.example.app D [nvsdk] UWB position for device: 30:91 azimuth: null elevation: null distance: 0.48999998
2023-10-12 16:38:14.061 9761-9917 MainActivity com.example.app D Estimate UWB device: 30:91 azimuth: null elevation: null distance: 0.48999998
2023-10-12 16:38:14.299 1004-1004 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_n_l_cb
2023-10-12 16:38:14.300 1549-2973 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-10-12 16:38:14.301 1549-2973 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-10-12 16:38:14.301 1549-2973 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 32, SessionId = 1, RcrIndic
2023-10-12 16:38:14.305 1549-2973 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-10-12 16:38:14.306 2904-5755 Uwb.Rangin...n@9247df3 com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=101, package-name: com.goo
2023-10-12 16:38:14.307 2904-6269 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Result: %s %s
2023-10-12 16:38:14.310 9761-9956 LoggingKt com.example.app D [nvsdk] UWB position for device: 30:91 azimuth: 55.839653 elevation: -28.279797 distance: 0.48999
2023-10-12 16:38:14.311 9761-9956 MainActivity com.example.app D Estimate UWB device: 30:91 azimuth: 55.839653 elevation: -28.279797 distance: 0.4899997
2023-10-12 16:38:14.537 1004-1004 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_n_l_cb
2023-10-12 16:38:14.538 1549-2973 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-10-12 16:38:14.538 1549-2973 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-10-12 16:38:14.539 1549-2973 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 33, SessionId = 1, RcrIndic
2023-10-12 16:38:14.541 1549-2973 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-10-12 16:38:14.541 1549-2973 UwbSessionManager system_server V Starting error timer for 10000 ms.
2023-10-12 16:38:14.541 2904-5755 Uwb.Rangin...n@9247df3 com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=101, package-name: com.goo
2023-10-12 16:38:14.542 2904-8364 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Result: %s %s
2023-10-12 16:38:14.550 9761-9953 LoggingKt com.example.app D [nvsdk] UWB position for device: 30:91 azimuth: null elevation: null distance: 0.4899977
2023-10-12 16:38:14.554 9761-9953 MainActivity com.example.app D Estimate UWB device: 30:91 azimuth: null elevation: null distance: 0.4899977
2023-10-12 16:38:14.769 1004-1004 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_n_l_cb
2023-10-12 16:38:14.774 1549-2973 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-10-12 16:38:14.774 1549-2973 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-10-12 16:38:14.774 1549-2973 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 34, SessionId = 1, RcrIndic
2023-10-12 16:38:14.777 1549-2973 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-10-12 16:38:14.777 2904-5755 Uwb.Rangin...n@9247df3 com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=101, package-name: com.goo
2023-10-12 16:38:14.779 2904-6269 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Result: %s %s
2023-10-12 16:38:14.780 9761-9956 LoggingKt com.example.app D [nvsdk] UWB position for device: 30:91 azimuth: null elevation: null distance: 0.48999646
2023-10-12 16:38:14.781 9761-9956 MainActivity com.example.app D Estimate UWB device: 30:91 azimuth: null elevation: null distance: 0.48999646
2023-10-12 16:38:15.019 1004-1004 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_n_l_cb
2023-10-12 16:38:15.020 1549-2973 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-10-12 16:38:15.020 1549-2973 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-10-12 16:38:15.021 1549-2973 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 35, SessionId = 1, RcrIndic
2023-10-12 16:38:15.022 1549-2973 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-10-12 16:38:15.023 2904-5482 Uwb.Rangin...n@9247df3 com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=101, package-name: com.goo
2023-10-12 16:38:15.025 2904-6269 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Result: %s %s
2023-10-12 16:38:15.029 9761-9955 LoggingKt com.example.app D [nvsdk] UWB position for device: 30:91 azimuth: 67.40802 elevation: -68.013435 distance: 0.489996

```

7 Pro gets RangingStatus 34 and 36 as well as normal 0:

```

anager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 19, SessionId = 1, RcrIndication = 0, CurrRangingInterval = 240, RangingMeas
2023-10-12 16:42:03.771 1559-3322 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-10-12 16:42:03.771 2894-6639 Uwb.Rangin...n@9359822 com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-10-12 16:42:03.772 2894-32402 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Result: %s %s
2023-10-12 16:42:03.774 450-889 LoggingKt com.example.app D [nvsdk] UWB position for device: 30:91 azimuth: 89.84114 elevation: 54.66897 distance: 0.83
2023-10-12 16:42:03.775 450-889 MainActivity com.example.app D Estimate UWB device: 30:91 azimuth: 89.84114 elevation: 54.66897 distance: 0.83
2023-10-12 16:42:03.999 969-969 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_n_l_cb
2023-10-12 16:42:04.000 1559-3322 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-10-12 16:42:04.000 1559-3322 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-10-12 16:42:04.001 1559-3322 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 20, SessionId = 1, RcrIndic
2023-10-12 16:42:04.002 1559-3322 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-10-12 16:42:04.002 1559-3322 UwbSessionManager system_server V Starting error timer for 10000 ms.
2023-10-12 16:42:04.003 2894-6639 Uwb.Rangin...n@9359822 com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-10-12 16:42:04.005 2894-32759 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Result: %s %s
2023-10-12 16:42:04.013 450-593 LoggingKt com.example.app D [nvsdk] UWB position for device: 30:91 azimuth: null elevation: null distance: 0.83000004
2023-10-12 16:42:04.017 450-593 MainActivity com.example.app D Estimate UWB device: 30:91 azimuth: null elevation: null distance: 0.83000004
2023-10-12 16:42:04.249 969-969 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_n_l_cb
2023-10-12 16:42:04.250 1559-3322 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.

```

```

2023-10-12 16:42:04.250 1559-3322 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-10-12 16:42:04.250 1559-3322 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 21, SessionId = 1, RcrIndic
2023-10-12 16:42:04.251 1559-3322 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-10-12 16:42:04.251 2894-6639 Uwb.Rangin...n@9359822] com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-10-12 16:42:04.252 2894-32402 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Result: %s %s
2023-10-12 16:42:04.253 450-890 LoggingKt com.example.app D [nvstdk] UWB position for device: 30:91 azimuth: 89.910675 elevation: 54.562244 distance: 0.81
2023-10-12 16:42:04.254 450-890 MainActivity com.example.app D Estimate UWB device: 30:91 azimuth: 89.910675 elevation: 54.562244 distance: 0.81
2023-10-12 16:42:04.489 969-969 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-10-12 16:42:04.490 1559-3322 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-10-12 16:42:04.490 1559-3322 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-10-12 16:42:04.490 1559-3322 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 22, SessionId = 1, RcrIndic
2023-10-12 16:42:04.491 1559-3322 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-10-12 16:42:04.492 2894-6639 Uwb.Rangin...n@9359822] com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-10-12 16:42:04.492 2894-32759 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Result: %s %s
2023-10-12 16:42:04.497 450-889 LoggingKt com.example.app D [nvstdk] UWB position for device: 30:91 azimuth: 89.94531 elevation: 55.793034 distance: 0.79
2023-10-12 16:42:04.498 450-889 MainActivity com.example.app D Estimate UWB device: 30:91 azimuth: 89.94531 elevation: 55.793034 distance: 0.79
2023-10-12 16:42:04.734 969-969 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-10-12 16:42:04.730 1559-3322 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-10-12 16:42:04.730 1559-3322 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-10-12 16:42:04.730 1559-3322 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 23, SessionId = 1, RcrIndic
2023-10-12 16:42:04.731 1559-3322 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-10-12 16:42:04.731 2894-3264 Uwb.Rangin...n@9359822] com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-10-12 16:42:04.732 2894-32402 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Result: %s %s
2023-10-12 16:42:04.733 450-751 LoggingKt com.example.app D [nvstdk] UWB position for device: 30:91 azimuth: 90.5774 elevation: 54.950424 distance: 0.78999996
2023-10-12 16:42:04.734 450-751 MainActivity com.example.app D Estimate UWB device: 30:91 azimuth: 90.5774 elevation: 54.950424 distance: 0.78999996
2023-10-12 16:42:04.969 969-969 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-10-12 16:42:04.970 1559-3322 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-10-12 16:42:04.970 1559-3322 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-10-12 16:42:04.970 1559-3322 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 24, SessionId = 1, RcrIndic
2023-10-12 16:42:04.971 1559-3322 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-10-12 16:42:04.971 2894-3264 Uwb.Rangin...n@9359822] com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-10-12 16:42:04.972 2894-32759 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Result: %s %s
2023-10-12 16:42:04.972 450-893 LoggingKt com.example.app D [nvstdk] UWB position for device: 30:91 azimuth: 92.369194 elevation: 53.206776 distance: 0.809999
2023-10-12 16:42:04.977 450-893 MainActivity com.example.app D Estimate UWB device: 30:91 azimuth: 92.369194 elevation: 53.206776 distance: 0.80999994
2023-10-12 16:42:05.209 969-969 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-10-12 16:42:05.210 1559-3322 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-10-12 16:42:05.210 1559-3322 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-10-12 16:42:05.210 1559-3322 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 25, SessionId = 1, RcrIndic
2023-10-12 16:42:05.212 1559-3322 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-10-12 16:42:05.213 2894-3264 Uwb.Rangin...n@9359822] com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-10-12 16:42:05.213 2894-32402 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Result: %s %s
2023-10-12 16:42:05.217 450-751 LoggingKt com.example.app D [nvstdk] UWB position for device: 30:91 azimuth: 100.560074 elevation: 42.615078 distance: 0.80999
2023-10-12 16:42:05.219 450-751 MainActivity com.example.app D Estimate UWB device: 30:91 azimuth: 100.560074 elevation: 42.615078 distance: 0.80999905
2023-10-12 16:42:05.441 969-969 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-10-12 16:42:05.443 1559-3322 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-10-12 16:42:05.443 1559-3322 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-10-12 16:42:05.443 1559-3322 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 26, SessionId = 1, RcrIndic
2023-10-12 16:42:05.445 1559-3322 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-10-12 16:42:05.445 1559-3322 UwbSessionManager system_server V Starting error timer for 10000 ms.
2023-10-12 16:42:05.446 2894-3264 Uwb.Rangin...n@9359822] com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=1, package-name: com.google
2023-10-12 16:42:05.448 2894-32759 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Result: %s %s
2023-10-12 16:42:05.452 450-890 LoggingKt com.example.app D [nvstdk] UWB position for device: 30:91 azimuth: null elevation: null distance: 0.80999714
2023-10-12 16:42:05.453 450-890 MainActivity com.example.app D Estimate UWB device: 30:91 azimuth: null elevation: null distance: 0.80999714
2023-10-12 16:42:05.689 969-969 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-10-12 16:42:05.690 1559-3322 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-10-12 16:42:05.690 1559-3322 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-10-12 16:42:05.691 1559-3322 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 27, SessionId = 1, RcrIndic
2023-10-12 16:42:05.693 1559-3322 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult

```

Message last modified on Oct 13, 2023 02:44AM

na...@gmail.com <na...@gmail.com> #42

On the multicast front... as this issue was originally about multicast rather than all the unicast TWR issues ;)

Multicast to the latest Estimote firmware with Android 14 won't be possible as the beacons run as the controller.

However I did try creating separate prepareSessions for each beacon and I actually see ranging from the other beacon, but currently all the Estimote beacons seem to run with session ID set

```

0-17 10:59:52.202 1648-20325 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 11, SessionId = 1, RcrIndication
2023-10-17 10:59:52.204 1648-20325 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-10-17 10:59:52.204 2863-3524 Uwb.Rangin...on@5a8492] com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=7, package-name: com.google
2023-10-17 10:59:52.205 2863-21301 NearbyUWB com.google.android.gms.persistent I (REDACTED) Ranging Result: %s %s
2023-10-17 10:59:52.209 21209-21319 LoggingKt com.example.app D [nvstdk] UWB position for device: C9:B3 azimuth: -77.367195 elevation: 23.758043 distance: 0.78
2023-10-17 10:59:52.210 21209-21319 MainActivity com.example.app D Estimate UWB device: C9:B3 azimuth: -77.367195 elevation: 23.758043 distance: 0.78
2023-10-17 10:59:52.251 1028-1028 qorvo.uwb.uwbmac android.hardware.qorvo.uwb.service I report_nl_cb
2023-10-17 10:59:52.252 1648-20325 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: session notification callback.
2023-10-17 10:59:52.252 1648-20325 uwb system_server D uwb_uci_jni_rust::notification_manager_android: UCI JNI: callback onRangeDataNotificationReceived
2023-10-17 10:59:52.252 1648-20325 NativeUwbManager system_server D onRangeDataNotificationReceived : UwbRangingData { SeqCounter = 11, SessionId = 1, RcrIndi
2023-10-17 10:59:52.253 1648-20325 UwbSessionManager system_server D Failure to find controlee 0x6973
2023-10-17 10:59:52.253 1648-20325 UwbSessionNotiManager system_server I IUwbRangingCallbacks - onRangingResult
2023-10-17 10:59:52.253 2863-3524 Uwb.Rangin...on@5a8492] com.google.android.gms.persistent V onRangingResult - sessionHandle: SessionHandle [id=7, package-name: com.google
2023-10-17 10:59:52.254 2863-20890 UwbBackEnd com.google.android.gms.persistent W Received ranging data from unknown peer 0X6973.

```

Hopefully Estimote can allow different session IDs to be passed in at configureAndStart time over BLE.

na...@gmail.com <na...@gmail.com> #43

We just got a Pixel 8 Pro running Android 14 and it appears that it has a problem calling `controleeSessionScope()` as it never returns:

```
2023-10-17 11:42:59.081 25704-25796 UwbMangerImpl com.example.app I Creating Gms Client session scope
2023-10-17 11:42:59.117 2827-6542 NearbyUWB com.google.android.gms.persistent I (REDACTED) onGetService: Create client bridge with key %s
2023-10-17 11:42:59.117 2827-6542 NearbyUWB com.google.android.gms.persistent I (REDACTED) Analytics is enabled for package %s
2023-10-17 11:42:59.125 2827-6542 NearbyUWB com.google.android.gms.persistent I (REDACTED) Client %s with package name %s, Op Identifier %s, and sdk version %s has con
2023-10-17 11:42:59.146 1523-1551 UwbConfManager system_server D getCapsInfo for protocol: generic
2023-10-17 11:42:59.146 1523-1551 uwb system_server D uwb_uci_jni_rust::uci_jni_android_new: Java_com_android_server_uwb_jni_NativeUwbManager_nativeGe
2023-10-17 11:42:59.146 1523-16810 uwb system_server D uwb_core::uci::uci_manager: Received cmd: SendUciCommand { cmd: CoreGetCapsInfo }
2023-10-17 11:42:59.147 955-955 qorvo.uwb....m_uwb_chip android.hardware.qorvo.uwb-service D Receive 4 bytes from AP: 20030000
2023-10-17 11:42:59.147 955-955 qorvo.uwb.al.uci_port android.hardware.qorvo.uwb-service I AP: forward CMD packet GID=0x0 OID=0x3 length=0
2023-10-17 11:42:59.147 955-955 qorvo.uwb.qm_uci_tr android.hardware.qorvo.uwb-service D Send 4 bytes to chip: 20030000
2023-10-17 11:42:59.153 955-16815 qorvo.uwb.qm_uci_tr android.hardware.qorvo.uwb-service I fd_read(): uci pkt length 146, errno = Success
2023-10-17 11:42:59.153 955-16815 qorvo.uwb.qm_uci_tr android.hardware.qorvo.uwb-service D Receive 146 bytes from chip: 4003008E0023A0017FA10400000F00A201F8A30103A40
2023-10-17 11:42:59.153 955-16815 qorvo.uwb.al.uci_port android.hardware.qorvo.uwb-service I QM: forward RSP packet GID=0x0 OID=0x3 length=142
2023-10-17 11:42:59.153 955-16815 qorvo.uwb....m_uwb_chip android.hardware.qorvo.uwb-service D send 146 bytes to AP: 4003008E0023A0017FA10400000F00A201F8A30103A40201F
2023-10-17 11:42:59.154 1523-1551 UwbConfManager system_server I getCapsInfo respData: UwbTlvData { status = 0 length = 35, tlvs = [A0017FA10400000F00A201F8
2023-10-17 11:42:59.154 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: -96, length: 1, value: 7F]
2023-10-17 11:42:59.154 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: -95, length: 4, value: 00000F00]
2023-10-17 11:42:59.154 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: -94, length: 1, value: F8]
2023-10-17 11:42:59.154 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: -93, length: 1, value: 03]
2023-10-17 11:42:59.154 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: -92, length: 2, value: 0100]
2023-10-17 11:42:59.154 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: -91, length: 2, value: 0001]
2023-10-17 11:42:59.154 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: -90, length: 9, value: 00010210112202122]
2023-10-17 11:42:59.154 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: -89, length: 4, value: 01000000]
2023-10-17 11:42:59.154 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: -88, length: 1, value: 08]
2023-10-17 11:42:59.154 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: 0, length: 4, value: 01010101]
2023-10-17 11:42:59.154 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: 1, length: 4, value: 01010101]
2023-10-17 11:42:59.154 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: 2, length: 1, value: 03]
2023-10-17 11:42:59.154 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: 3, length: 1, value: 06]
2023-10-17 11:42:59.154 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: 4, length: 1, value: 1F]
2023-10-17 11:42:59.154 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: 5, length: 1, value: 03]
2023-10-17 11:42:59.154 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: 6, length: 1, value: 02]
2023-10-17 11:42:59.154 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: 7, length: 1, value: 03]
2023-10-17 11:42:59.154 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: 8, length: 1, value: 01]
2023-10-17 11:42:59.154 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: 9, length: 1, value: 01]
2023-10-17 11:42:59.154 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: 10, length: 1, value: 01]
2023-10-17 11:42:59.154 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: 11, length: 1, value: 09]
2023-10-17 11:42:59.154 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: 12, length: 1, value: 0A]
2023-10-17 11:42:59.154 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: 13, length: 1, value: 01]
2023-10-17 11:42:59.154 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: 14, length: 1, value: 08]
2023-10-17 11:42:59.155 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: 15, length: 5, value: 0000000000]
2023-10-17 11:42:59.155 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: 16, length: 1, value: 0F]
2023-10-17 11:42:59.155 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: 17, length: 1, value: 00]
2023-10-17 11:42:59.155 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: -29, length: 1, value: 01]
2023-10-17 11:42:59.155 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: -27, length: 4, value: 000000FF]
2023-10-17 11:42:59.155 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: -26, length: 1, value: 01]
2023-10-17 11:42:59.155 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: -25, length: 1, value: 01]
2023-10-17 11:42:59.155 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: -64, length: 1, value: 01]
2023-10-17 11:42:59.155 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: -28, length: 4, value: 03000000]
2023-10-17 11:42:59.155 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: -24, length: 4, value: B0040000]
2023-10-17 11:42:59.155 1523-1551 TlvDecoderBuffer system_server I Parsed Tlv: Tlv[tagType: -23, length: 1, value: 08]
2023-10-17 11:42:59.156 1523-1551 FiraDecoder system_server W SUPPORTED_MAX_MESSAGE_SIZE not found.
2023-10-17 11:42:59.156 1523-1551 FiraDecoder system_server W SUPPORTED_MAX_DATA_PACKET_PAYLOAD_SIZE not found.
2023-10-17 11:42:59.156 1523-1551 FiraDecoder system_server W SUPPORTED_MAX_RANGING_SESSION_NUMBER not found
2023-10-17 11:42:59.156 1523-1551 CccDecoder system_server W SUPPORTED_MAX_RANGING_SESSION_NUMBER not found
2023-10-17 11:42:59.156 1523-1551 CccDecoder system_server W SUPPORTED_MIN_UWB_INITIATION_TIME_MS not found
2023-10-17 11:42:59.162 25704-25827 Binder com.example.app W Caught a RuntimeException from the binder stub implementation.
java.lang.NullPointerException: Attempt to get length of null array
at com.google.android.gms.internal.nearby.zzuw.zzb(com.google.android.gms:play-services-nearby@@19.0.0:1)
at com.google.android.gms.internal.nearby.zzs.zzd(com.google.android.gms:play-services-nearby@@19.0.0:14)
at com.google.android.gms.internal.nearby.zzpl.zza(com.google.android.gms:play-services-nearby@@19.0.0:3)
at com.google.android.gms.internal.nearby.zzb.onTransact(com.google.android.gms:play-services-nearby@@19.0.0:3)
at android.os.Binder.execTransactInternal(Binder.java:1344)
at android.os.Binder.execTransact(Binder.java:1275)
```

na...@gmail.com <na...@gmail.com> #44

BTW this issue seems to be assigned to me when I expected it to me someone from Google.
Is this what you expect?

sh...@google.com <sh...@google.com>

Reassigned to sh...@google.com.

sh...@google.com <sh...@google.com> #45

Reassigned to na...@gmail.com.

I still see the non-zero ranging status in between 0, but this time it is RangingStatus 34... as per my usual comment... what do the non-zero RangingStatus codes mean?

Anything other than status 0 wont be propagated to the app. FYI, aosp status codes in <https://cs.android.com/android/platform/superproject/main/+main:packages/modules/Uwb/service/>
On [b/287110102#comment43](#),
Can you check whether UWB is enabled on the phone?
There is a new jetpack version available for uwb, 1.0.0-alpha07, trying using that to be on the latest.

na...@gmail.com <na...@gmail.com> [#46](#)

Thanks for the AOSP links and we get the ranging callback, so some non-zero results do come through, as this is why the trace shows null for azimuth / elevation but a value for range.
As far as the Pixel 8 Pro goes, we are already using Alpha 7 and UWB is definitely enabled and I tried turning it off / on again as well as a reboot.

sh...@google.com <sh...@google.com> [#47](#)

Can you share us which image is running on pixel 8 pro and gms version ?
Also, pls share the bugreport for the above crash.

na...@gmail.com <na...@gmail.com> [#48](#)

Here are some screenshots and a bugreport from the 8 Pro

-  **bugreport-husky-UD1A.230803.041-2023-10-17-22-03-51.zip**
14 MB [Download](#)
-  **Pixel8Pro.png**
100 KB [View](#) [Download](#)
-  **Pixel8ProUWB.png**
95 KB [View](#) [Download](#)

sh...@google.com <sh...@google.com> [#49](#)

Reassigned to sh...@google.com.

There were few changes and fixed we made for handling ranging capabilities. Can you update the gmscore to latest and try ?

sh...@google.com <sh...@google.com>

Reassigned to na...@gmail.com.

na...@gmail.com <na...@gmail.com> [#50](#)

There were few changes and fixed we made for handling ranging capabilities. Can you update the gmscore to latest and try ?

It appears that the Pixel 8 Pro did get a Google Play Services hidden "app" update this morning, as I saw the (blink and you miss it) updating Play Services notification this morning. I should s
It does appear to have fixed UWB ranging not working on the Pixel 8 Pro though.
Of course we still see periodic nulls for azimuth / elevation, but the UWB tracing is different :

2023-10-18 09:54:53.417	952-2961	qorvo.uwb.qm_uci_tr	android.hardware.qorvo.uwb-service	I fd_read(): uci pkt length 60, errno = Success
2023-10-18 09:54:53.418	952-2961	qorvo.uwb.qm_uci_tr	android.hardware.qorvo.uwb-service	D Receive 60 bytes from chip: 620000382E000000010000000C
2023-10-18 09:54:53.418	952-2961	qorvo.uwb.al.uci_port	android.hardware.qorvo.uwb-service	I QM: forward NTF packet GID=0x2 OID=0x0 length=56
2023-10-18 09:54:53.418	952-2961	qorvo.uwb...m_uwb_chip	android.hardware.qorvo.uwb-service	D send 60 bytes to AP: 620000382E0000000100000000F00000C
2023-10-18 09:54:53.419	1438-2957	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JN
2023-10-18 09:54:53.419	1438-2957	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JN
2023-10-18 09:54:53.419	1438-2957	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-10-18 09:54:53.422	1438-2957	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-10-18 09:54:53.423	22050-22062	Uwb.Rangin...n@5079d18]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=6,
2023-10-18 09:54:53.424	22050-4840	NearbyUWB	com.google.android.gms.persistent	I (REDACTED) Ranging Result: %s %s
2023-10-18 09:54:53.427	4677-4725	LoggingKt	com.example.app	D [nvstdk] UWB position for device: C9:B3 azimuth: -126.C
2023-10-18 09:54:53.428	4677-4725	MainActivity	com.example.app	D Estimote UWB device: C9:B3 azimuth: -126.069145 elevat
2023-10-18 09:54:53.647	952-2961	qorvo.uwb.qm_uci_tr	android.hardware.qorvo.uwb-service	I fd_read(): uci pkt length 60, errno = Success
2023-10-18 09:54:53.648	952-2961	qorvo.uwb.qm_uci_tr	android.hardware.qorvo.uwb-service	D Receive 60 bytes from chip: 620000382F0000000010000000C
2023-10-18 09:54:53.648	952-2961	qorvo.uwb.al.uci_port	android.hardware.qorvo.uwb-service	I QM: forward NTF packet GID=0x2 OID=0x0 length=56
2023-10-18 09:54:53.648	952-2961	qorvo.uwb...m_uwb_chip	android.hardware.qorvo.uwb-service	D send 60 bytes to AP: 620000382F0000000010000000F00000C
2023-10-18 09:54:53.649	1438-2957	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JN
2023-10-18 09:54:53.650	1438-2957	uwb	system_server	D uwb_uci_jni_rust::notification_manager_android: UCI JN
2023-10-18 09:54:53.650	1438-2957	NativeUwbManager	system_server	D onRangeDataNotificationReceived : UwbRangingData { Se
2023-10-18 09:54:53.653	1438-2957	UwbSessionNotiManager	system_server	I IUwbRangingCallbacks - onRangingResult
2023-10-18 09:54:53.653	1438-2957	UwbSessionManager	system_server	V Starting error timer for 10000 ms.
2023-10-18 09:54:53.653	22050-22062	Uwb.Rangin...n@5079d18]	com.google.android.gms.persistent	V onRangingResult - sessionHandle: SessionHandle [id=6,
2023-10-18 09:54:53.655	22050-4610	NearbyUWB	com.google.android.gms.persistent	I (REDACTED) Ranging Result: %s %s
2023-10-18 09:54:53.662	4677-4725	LoggingKt	com.example.app	D [nvstdk] UWB position for device: C9:B3 azimuth: null e
2023-10-18 09:54:53.663	4677-4725	MainActivity	com.example.app	D Estimote UWB device: C9:B3 azimuth: null elevation: nu

Having looked at the AOSP link:

```
public static final int STATUS_CODE_RANGING_RX_PHY_DEC_FAILED = 0x22;
```

If only we had access to the super secret FIRA docs without having to pay to become members so we could know what this means :)

Aha... a little more info in the Qorvo docs:

```
1.2.3.50.2 Constants
FIRA_STATUS_RANGING_INTERNAL_ERROR Implementation specific error.
FIRA_STATUS_RANGING_SUCCESS Ranging info are valid.
FIRA_STATUS_RANGING_TX_FAILED Failed to transmit UWB packet.
FIRA_STATUS_RANGING_RX_TIMEOUT No UWB packet detected by the receiver.
FIRA_STATUS_RANGING_RX_PHY_DEC_FAILED UWB packet channel decoding error.
FIRA_STATUS_RANGING_RX_PHY_TOA_FAILED Failed to detect time of arrival of the UWB packet from CIR samples.
FIRA_STATUS_RANGING_RX_PHY_STS_FAILED UWB packet STS segment mismatch.
FIRA_STATUS_RANGING_RX_MAC_DEC_FAILED MAC CRC or syntax error.
FIRA_STATUS_RANGING_RX_MAC_IE_DEC_FAILED IE syntax error.
FIRA_STATUS_RANGING_RX_MAC_IE_MISSING Expected IE missing in the packet.
```

Message last modified on Oct 18, 2023 08:51PM

na...@gmail.com <na...@gmail.com> [#51](#)

It appears that most of the RangingStatus errors are now 33 or 34 (apart from 36/37 when we had a bad configuration either in the App or in the Android 13 setup for the Pixel Fold).

```
33 = FIRA_STATUS_RANGING_RX_TIMEOUT No UWB packet detected by the receiver.
34 = FIRA_STATUS_RANGING_RX_PHY_DEC_FAILED UWB packet channel decoding error.
```

I guess the timeout could be interference, although I am holding the phones above the beacons which are on a solid wooden table. The beacons are in close proximity, even though we can or
Any ideas why we are seeing the fairly frequent "UWB packet channel decoding error" ?

sh...@google.com <sh...@google.com> [#52](#)

Have you tried ranging between 2 pixel devices ? Do you still see the same ranging status?

What is the ranging interval / update rate for estimate device ?

This is our update rate [↔updateRate](#)

na...@gmail.com <na...@gmail.com> [#53](#)

We run at automatic:

```
val rangingParameters = RangingParameters(
    uwbConfigType = CONFIG_UNICAST_DS_TWR,
    // SessionKeyInfo is used to encrypt the ranging session.
    sessionId = session,
    sessionKeyInfo = sessionKey,
    complexChannel = uwbChannel,
    peerDevices = listOf(device),
    updateRateType = RangingParameters.RANGING_UPDATE_RATE_AUTOMATIC,
    subSessionId = 0,
    subSessionKeyInfo = null
)
```

I haven't tried to a phone, as we are trying to implement beacon based ranging and it wasn't possible to integrate the phone based into our SDK. I can try putting it in just the app, not the SDK,

rp...@google.com <rp...@google.com> [#54](#)

I haven't tried to a phone, as we are trying to implement beacon based ranging and it wasn't possible to integrate the phone based into our SDK. I can try putting it in just the app, not the SD

I think we may need to reach out to estimate to better understand if there are issues at the MAC layer on their beacons. We don't see this level of errors on our internal testing between phone

I guess the timeout could be interference, although I am holding the phones above the beacons which are on a solid wooden table. The beacons are in close proximity, even though we can

We generally test using the 2 devices back to back as described [↔here](#), but that does not mean it won't work in other orientations

ja...@estimate.com <ja...@estimate.com> [#55](#)

This is Jakub from Estimote.

Yes, it seems there might be needed another firmware update for Estimote UWB Beacons to support Android 14 SDK to both discover and range to multiple UWB beacons at the same time. T

Please note we are talking about ranging from 1 phone to multiple beacons.
Ranging from multiple phones to a single UWB beacon is a separate story.
