Data Extracts Definitions

Background Sampling (CSV v2.0) Extracts

Last Updated: 2022-06-03

Data in extracts before the date available will be blank or say "NULL" if the field is displayed

Field Name in Extract	Definition	Data Type	Date Available	Max Field Size
report_id	Unique identifier for the scan that returned data to Ookla; may be duplicated in cases of more than 1 registered cell_id	number	2020-06-25	12
trigger_name	Indicator for which activity triggered the scan: timer: scan triggered by timer (approximately every 15 minutes)motion: scan triggered by motion from device sensors (deprecated)location update intent: scan triggered by another application requesting a locationlocation update callback: scan triggered by another application receiving a location	text	2020-06-25	100
result_date	Date and time when scan was taken according to the device's time and date.	datetime	2020-06-25	19
received_date	Date and time that Ookla received the test result from the device.	datetime	2020-06-25	19
received_date_local	Received date converted to the local timezone of the place record	datetime	2020-06-25	19
time_zone_name	Name of the local time zone where the scan was taken	text	2020-06-25	100
device_id	Each individual device is assigned a unique ID, which is tied to all the tests taken on the device.	number	2020-06-25	11
device_model	Common name (or marketed name) of the device; based on Ookla-maintained lookup tables	text	2020-06-25	255
device_manufacturer	Common name of the device manufacturer	text	2020-06-25	255
device_model_raw	Raw (or Android API-returned) model of the device	text	2020-06-25	255
device_manufacturer_raw	Raw (or Android API-returned) manufacturer of the device	text	2020-06-25	255

device_brand_raw	Raw (or Android API-returned) brand of the device	text	2020-06-25	255
os_version	Version of the operating system used at the time of the scan	text	2020-06-25	20
app_version	The version of the Android Speedtest app used	text	2020-06-25	11
connection_type	The data connection type: 0 Unknown 1 Cell 2 Wifi 3 Gprs 4 Edge 5 Umts 6 Cdma 7 Evdo0 8 EvdoA 9 OnexRTT 10 Hsdpa 11 Hspa 12 Iden 13 Ehrpd 14 EvdoB 15 Lte 16 Hsupa 17 Hspap 18 Gsm 19 TdScdma 20 Iwlan 21 LteCa 22 Ethernet 23 Bluetooth 24 NR	number	2020-06-25	4
is_airplane_mode	Indicates whether the device was in airplane mode when data was reported.	text	2020-06-25	5
is_network_roaming	Indicates whether the device is roaming or not.	boolean	2020-06-25	5
is_international_roaming	Indicates whether the device is international roaming or not.	boolean	2020-06-25	5
number_registered_networks	A count of the number of registered cell sites the device is connected to	number	2020-06-25	2
number_unregistered_networks	A count of the number of un-registered cell sites the device is connected to	number	2020-06-25	2
sim_operator_name	The name of the SIM card provider. In the case of MVNOs, this will be the name of the 'mother carrier' which owns the PLMN network	text	2020-06-25	255
raw_sim_operator_name	The raw name of the SIM card provider. This will sometimes show the name of the MNVO rather than the mother carrier	text	2020-06-25	255
sim_operator_mcc_code	The mobile country code of the SIM card operator	number	2020-06-25	3
sim_operator_mnc_code	The mobile network code of the SIM card operator	number	2020-06-25	3
network_operator_name	The name of the operator that owns the network that the device is connected to	text	2020-06-25	255
network_operator_mcc_code	The mobile country code of the network that the device is connected to	number	2020-06-25	3

network_operator_mnc_code	The mobile network code of the network that the device is connected to	number	2020-06-25	3
client_latitude	Latitude of chosen best location. Ookla chooses the best location based the reported location age and accuracy.	number	2020-06-25	10
client_longitude	Longitude of the chosen best location. Ookla chooses the best location based the reported location age and accuracy.	number	2020-06-25	10
altitude	Altitude of the chosen best location. Ookla chooses the best location based the reported location age and accuracy.	number	2020-06-25	6
location_accuracy	Estimated horizontal accuracy of the chosen best location. Ookla chooses the best location based the reported location age and accuracy.	number	2020-06-25	5
location_age	Derived by Ookla; based on timestamp (in ms) of the chosen best location vs. the current location. Reveals how long ago was the location was generated.	number	2020-06-25	11
location_type	How the user location coordinates were determined: 1 = GPS / Fused location 2 = GeoIP	number	2020-06-25	1
country	Country where the test was taken	text	2020-06-25	100
region	Region name where test is taken. This is the first-order civil entity in a country level. Depending on the country, these are states, provinces, or territories, etc.	text	2020-06-25	100
subregion	Region name where test is taken. This is the second-order civil entity in a country level. Depending on the country, these are county-level names. Not all countries display this information.	text	2020-06-25	100
locality	Locality where test is taken. This is typically an incorporated city or town political entity.	text	2020-06-25	100
place_type	Place type of the returned result; most often "locality" which is an incorporated city or town political entity.	text	2020-06-25	100

postal_code	Postal code for the test location. The postal code is that same as what is used to address mail within the country.	text	2020-06-25	100
computed_cellular_generation	The technology family for the cellular connection (derived from the connected cell info).	text	2020-06-25	45
tac	LTE Tracking Area Code. A 16 bit integer used to facilitate handoff of a device between cells. The Tracking Area Identity can be determined by prepending the MCC and MNC to the Tracking Area Code.	number	2020-06-25	9
pci	LTE Physical Cell Identity. An integer to identify the physical LTE cell the user is connected to. The value is unique to the physical cell antennae rather than a specific cell tower. Valid values are 0 to 503. A value of 65535 or null indicates that the device was unable to return a PCI value.	number	2020-06-25	5
cell_identifier	28-bit Cell Identity. Returns "MAX_VALUE", if unknown.	number	2020-06-25	10
lte_enodeb	The eNodeB ID of the cell site that the device is connected to	number	2020-06-25	10
rnc_id	3G Radio Network Controller ID of the cell site that the device is connected to	number	2020-06-25	10
cell_id	The cell (or sector) ID of the cell site that the device is connected to; can be use in conjunction with lte_enodeb or rnc_id	number	2020-06-25	10
arfcn	The Absolute Radio Frequency Channel Number (ARFCN) is a unique number given to each radio channel in GSM. The ARFCN can be used to calculate the exact frequency of the radio channel. Within the GSM900 band ARFCN 1 to 124 are used. In the GSM1800 band ARFCN 512 to 885 are used.	number	2020-06-25	8
uarfcn	The UTRA Absolute Radio Frequency Channel Number (UARFCN) is a unique number given to each radio channel within the frequency bands used by the UMTS UTRA. The UARFCN can be used to calculate the carrier frequency.	number	2020-06-25	8

earfcn	EARFCN stands for E-UTRA Absolute Radio Frequency Channel Number.In LTE, the carrier frequency in the uplink and downlink is designated by EARFCN, which ranges between 0-70645. EARFCN uniquely identify the LTE band and carrier frequency. EARFCN is independent of channel bandwidth.	number	2020-06-25	8
is_primary_cell	Denotes whether or not the cell site was designated by Ookla as the primary serving cell.	text	2020-06-25	5
rsrp	Reference signal received power; this field is pre-filtered to between -144 and -44	number	2020-06-25	4
rsrq	Reference signal received quality; this field is pre-filtered to between -20 and -3	number	2020-06-25	5
rssi	Received signal strength indicator; this field is pre-filtered to between -113 and -51	number	2020-06-25	11
rssnr	Reference signal signal-to-noise ratio	number	2020-06-25	3
timing_advance	LTE Timing Advance measured in Ts. 2147483647 represents unknown.	number	2020-06-25	11
cqi	Channel Quality Indicator. In LTE, there are 15 different CQI values ranging from 1 to 15 and mapping between CQI and modulation scheme.	number	2020-06-25	2
wifi_enabled	Indicates whether wifi is enabled on the device.	text	2020-06-25	5
wifi_state	Indicator of the current wifi state. 0 = Disabling, 1 = Disabled, 2 = Enabling, 3 = Enabled, 4 = Unknown	number	2020-06-25	1
wifi_rssi	Wifi RSSI signal strength.	number	2020-06-25	11
wifi_frequency	The frequency the wifi router is connecting with when test is taken. This field is connected to wifi test results only.	number	2020-06-25	5
wifi_channel	Conversion of wifi frequency to channel number	number	2020-06-25	5
app_foreground	Whether or not the Speedtest app is in the foreground when the scan is taken	text	2020-06-25	5

azimuth	The angle between the magnetic north direction and the y-axis, around the z-axis (0 to 359). 0=North, 90=East, 180=South, 270=West	number	2020-06-25	11
battery_level	Current battery level, from 0 to EXTRA_SCALE (maximum battery level)	text	2020-06-25	11
battery_level_max	Maximum battery level	number	2020-06-25	5
battery_plugged	Denotes if the battery was plugged into a power source.	text	2020-06-25	5
battery_present	Indicates whether a battery is present	text	2020-06-25	5
battery_status	Status of the battery. 1 = Unknown, 2 = Charging, 3 = Discharging, 4 = Not Charging, 5 = Full	number	2020-06-25	1
battery_technology	Technology of current battery	text	2020-06-25	255
battery_temperature	Current battery temperature in tenths of a degree centigrade	number	2020-06-25	11
battery_voltage	Current battery voltage level in millivolts	number	2020-06-25	11
device_idle_mode	Indicates whether the device idle mode is active	text	2020-06-25	5
humidity	The humidity recorded by the device.	number	2020-06-25	11
humidity_accuracy	Indicates accuracy of the humidity sensor (Low, Medium, High)	text	2020-06-25	6
light_lx	Ambient light level in SI lux units	number	2020-06-25	11
light_accuracy	Indicates accuracy of light sensor status (Low, Medium, High)	text	2020-06-25	6
pitch	The rotation around x-axis (-180 to 180), with positive values when the z-axis moves toward the y-axis.	number	2020-06-25	11
power_interactive	Indicates whether the device is in an interactive state.	text	2020-06-25	5
power_save_mode	Indicates whether device is in low power mode.	text	2020-06-25	5
pressure_accuracy	Indicates accuracy of the pressure sensor status (Low, Medium, High)	text	2020-06-25	6
pressure_mbar	The barometric pressure recorded by the device in hPa.	number	2020-06-25	11
temp_celsius	The temperature recorded by the device in celsius.	number	2020-06-25	11

temp_accuracy	Indicates accuracy of temperature sensor status (Low, Medium, High)	text	2020-06-25	6
grant_billing	Indicates the user granted the app billing permissions	text	2020-06-25	5
grant_internet	Indicates the user granted the app internet permissions	text	2020-06-25	5
grant_network_state	Indicates the user granted the app network state permissions	text	2020-06-25	5
grant_phone_state	Indicates the user granted the app phone state permissions	text	2020-06-25	5
grant_fine_location	Indicates the user granted the app fine location permissions	text	2020-06-25	5
grant_coarse_location	Indicates the user granted the app coarse location permissions	text	2020-06-25	5
grant_background_location	Indicates the user granted the app background location permissions	text	2020-06-25	5
grant_wifi_state	Indicates the user granted the app wifi state permissions	text	2020-06-25	5
grant_boot_completed	Indicates the user granted the app boot permissions (to restart jobs after reboot)	text	2020-06-25	5
valid_device_check	Indicates the device has a valid device_id	text	2020-06-25	5
location_check	Indicates the device reported a valid location	text	2020-06-25	5
radio	The version string for the radio firmware.	text	2020-06-25	255
service_state	Text field describing the service state (in service, emergency only, power off, etc)	text	2020-06-25	32
sim_state	Text field describing the state of the sim card (ready, not ready, puk required, etc)	text	2020-06-25	32
sim_count	The number of SIMs registered to the device during the test.	text	2020-06-26	2
guid	Unique identifier for the scan	text	2020-06-25	32
cell_bandwidth	Cell bandwidth in kHz	number	2020-06-25	4
vertical_accuracy	Estimated vertical (altitude) accuracy of this location, in meters	number	2020-06-25	4

nr_ss_rsrp	Synchronization Signal Reference Signal Received Power (SS-RSRP) is defined as the linear average over the power contributions (in [W]) of the resource elements that carry secondary synchronization signals. Reference: 3GPP TS 38.215.	number	2020-06-25	6
nr_ss_rsrq	Synchronization Signal Reference Signal Received Quality (SS-RSRQ) is defined as the ratio of N*SS-RSRP / NR carrier RSSI, where N is the number of resource blocks in the NR carrier RSSI measurement bandwidth. Reference: 3GPP TS 38.215.	number	2020-06-25	4
nr_ss_sinr	SS signal-to-noise and interference ratio (SS-SINR), is defined as the linear average over the power contribution (in [W]) of the resource elements carrying secondary synchronisation signals divided by the linear average of the noise and interference power contribution (in [W]). Reference: 3GPP TS 38.215.	number	2020-06-25	4
nr_csi_rsrp	CSI Reference Signal Received Power (CSI-RSRP), is defined as the linear average over the power contributions (in [W]) of the resource elements of the antenna port(s) that carry CSI reference signals configured for RSRP measurements within the considered measurement frequency bandwidth in the configured CSI-RS occasions. Reference: 3GPP TS 38.215.	number	2020-06-25	6
nr_csi_rsrq	CSI Reference Signal Received Quality (CSI-RSRQ) is defined as the ratio of N*CSI-RSRP to CSI-RSSI, where N is the number of resource blocks in the CSI-RSSI measurement bandwidth. Reference: 3GPP TS 38.215.	number	2020-06-25	4

nr_csi_sinr	CSI signal-to-noise and interference ratio (CSI-SINR), is defined as the linear average over the power contribution (in [W]) of the resource elements carrying CSI reference signals divided by the linear average of the noise and interference power contribution (in [W]). Reference: 3GPP TS 38.215.	number	2020-06-25	4
nr_level	An abstract level value for the overall signal quality (NR). 0 = none or unknown, 1 = poor, 2 = moderate, 3 = good, 4 = great	number	2020-06-25	3
nr_asu	RSRP in ASU (NR). Asu is calculated based on 3GPP RSRP. Refer to 3GPP 27.007 (Ver 10.3.0) Sec 8.69.	number	2020-06-25	3
nr_arfcn	New Radio Absolute Radio Frequency Channel Number. Reference: 3GPP TS 38.101-1 section 5.4.2.1 NR-ARFCN and channel raster. Reference: 3GPP TS 38.101-2 section 5.4.2.1 NR-ARFCN and channel raster.	number	2020-06-25	20
nr_nci	New Radio Cell Identity.	number	2020-06-25	20
nr_pci	New Radio Physical Cell ID.	number	2020-06-25	4
nr_tac	New Radio Tracking Area Code.	number	2020-06-25	9
nr_mcc	Mobile Country Code of New Radio cell.	text	2020-06-25	3
nr_mnc	Mobile Network Code of New Radio cell.	text	2020-06-25	3

nr_state	New Radio state of the mobile data network. Returns one of the following: 1 = RESTRICTED. The device is camped on an LTE cell that supports E-UTRA-NR Dual Connectivity(EN-DC) but either the use of dual connectivity with NR(DCNR) is restricted or NR is not supported by the selected PLMN.2 = NOT_RESTRICTED. The device is camped on an LTE cell that supports E-UTRA-NR Dual Connectivity(EN-DC) and both the use of dual connectivity with NR(DCNR) is not restricted and NR is supported by the selected PLMN.3 = CONNECTED. The device is camped on an LTE cell that supports E-UTRA-NR Dual Connectivity(EN-DC) and also connected to at least one 5G cell as a secondary serving cell.0 = NONE. The device isn't camped on an LTE cell or the LTE cell doesn't support E-UTRA-NR Dual Connectivity(EN-DC).	number	2020-06-25	3
nr_frequency_range	The frequency range of 5G NR. 0 = FREQUENCY_RANGE_UNKNOWN. Indicates frequency range is unknown.1 = FREQUENCY_RANGE_LOW. Indicates the frequency range is below 1GHz.2 = FREQUENCY_RANGE_MID. Indicates the frequency range is between 1GHz to 3GHz.3 = FREQUENCY_RANGE_HIGH. Indicates the frequency range is between 3GHz and 6GHz.4 = FREQUENCY_RANGE_MMWAVE. Indicates the frequency range is above 6GHz.	number	2020-06-25	3
is_nr_available	True if NR is supported by the selected PLMN. Otherwise, "False". Reference: 3GPP TS 36.331 v15.2.2 section 6.3.1 PLMN-InfoList-r15.	text	2020-06-25	1

is_nr_telephony_sourced	True if any of the following fields were sourced from Android's TelephonyManager rather than CellInfoNr: ss_rsrp, ss_rsrq, ss_sinr, csi_rsrp, csi_rsrq, csi_sinr, nr_level, nr_arfcn, nci, nr_pci, nr_tac, nr_mcc, nr_mnc Otherwise, "False".	text	2020-06-25	1
is_using_carrier_aggregation	True if carrier aggregation is in use.	text	2020-06-25	1
chipset_name	Ookla-maintained device chipset name.	text	2020-06-25	255
chipset_manufacturer	Ookla-maintained device chipset manufacturer name.	text	2020-06-25	255
cell_bandwidths	An array (JSON string containing an array of integers) of cell bandwidths (in kHz) for the current serving cells.	text	2020-06-25	255
is_access_network_technology_nr	True when the cellular data access network technology is NR. Useful for indicating if the underlying cellular connection is NR while connected to WiFi as the active data bearer for 5G standalone implementations.	text	2020-09-24	5
device_tac	The device's Type Allocation Code (TAC) from the active SIM slot.	number	2021-03-17	8
downstream_bandwidth_kbps	Downstream bandwidth for the network (in Kbps). This only refers to the estimated first hop transport bandwidth.	number	2021-06-16	8
wifi_channel_width	The width of the Wifi channel (in MHz). Note: 80 MHz + 80 MHz will be reported as 160 MHz.	number	2021-06-16	3
has_bg_location_permission	TRUE if permission to access location in the background is granted. Values presented as t/f.	text	2021-11-17	5
has_cellular_service	TRUE if the device has a cellular connection. Values presented as t/f.	text	2021-11-17	5
upstream_bandwidth_kbps	Upstream bandwidth for the network (in Kbps). This only refers to the estimated first hop transport bandwidth.	number	2021-11-17	8
gsm_additional_plmns	A list of additional PLMN IDs supported by this cell.	text	2021-11-17	255
tdscdma_additional_plmns	A list of additional PLMN IDs supported by this cell.	text	2021-11-17	255

wcdma_additional_plmns	A list of additional PLMN IDs supported by this cell.	text	2021-11-17	255
lte_additional_plmns	A list of additional PLMN IDs supported by this cell.	text	2021-11-17	255
lte_bands	An array of band numbers or empty array if not available.	text	2021-11-17	255
nr_additional_plmns	A list of additional PLMN IDs supported by this cell.	text	2021-11-17	255
nr_bands	An array of band numbers or empty array if not available.	text	2021-11-17	255
gsm_rssi	Received Signal Strength Indicator. The RSSI in dBm [-113, -51].	number	2021-11-17	11
wcdma_ecno	Energy per chip over the noise spectral density (Ec/No) as dB. The Ec/No of the measured cell in the range [-24, 1] or UNAVAILABLE.	number	2021-11-17	11
wifi_rx_link_speed	The current receive link speed in Mbps reported by Android.	number	2021-11-17	11
wifi_max_supported_rx_link_speed	The maximum supported receive link speed in Mbps reported by Android.	number	2021-11-17	11
wifi_max_supported_tx_link_speed	The maximum supported transmit link speed in Mbps reported by Android.	number	2021-11-17	11
wifi_passpoint_fqdn	The Fully Qualified Domain Name of the network if it is a Passpoint network.The FQDN may be null if no network is currently connected, currently connected network is not a passpoint network or the caller has insufficient permissions to access the FQDN.	text	2021-11-17	255
wifi_passpoint_provider_name	The Provider Friendly Name of the network if it is a Passpoint network. The Provider Friendly Name may be null if no network is currently connected, currently connected network is not a passpoint network or the caller has insufficient permissions to access the Provider Friendly Name.	text	2021-11-17	255
wifi_carrier_name	If this network is provisioned by a carrier, the carrier name corresponding to the associated SIM on the device.	text	2021-11-17	255

wifi_standard	The connection Wi-Fi standard value.0 = unknown1 = legacy; Wi-Fi 802.11a/b/g4 = Wi-Fi 802.11n5 = Wi-Fi 802.11ac6 = Wi-Fi 802.11ax7 = Wi-Fi 802.11ad	number	2021-11-17	1
wifi_is_2_4GHz_band_supported	TRUE if the chipset supports 2.4GHz band. Values presented as t/f.	text	2021-11-17	5
wifi_is_6GHz_band_supported	TRUE if the chipset supports 6GHz band. Values presented as t/f.	text	2021-11-17	5
wifi_is_60GHz_band_supported	TRUE if the chipset supports the 60GHz frequency band. Values presented as t/f.	text	2021-11-17	5
current_thermal_status	The current thermal status of the device. 0 = not under thermal throttling1 = light throttling where UX is not impacted2 = moderate throttling where UX is not largely impacted3 = severe throttling where UX is largely impacted4 = critical, platform has done everything to reduce power5 = emergency, key components in platform are shutting down due to thermal condition. Device functionalities will be limited.6 = shutdown needed immediately	number	2021-11-17	1
thermal_headroom	An estimate of how much thermal headroom the device currently has before hitting severe throttling. Values range from 0.0 to 1.0, where 1.0 indicates severe throttling threshold. Values may exceed 1.0, but there is no implied mapping to specific thermal status levels beyond that point.	number	2021-11-17	3
alt_sim_operator_name	The name of the secondary/alternate SIM card provider when using a dual SIM device.	text	2022-03-28	255
alt_raw_sim_operator_name	The raw name of the secondary/alternate SIM card provider when using a dual SIM device.	text	2022-03-28	255
alt_sim_operator_mcc_code	The mobile country code of the secondary/alternate SIM card operator when using a dual SIM device.	number	2022-03-28	3

alt_sim_operator_mnc_code	The mobile network code of the secondary/alternate SIM card operator when using a dual SIM device.	number	2022-03-28	3
data_activity	Indicates the type of activity on a data connection (cellular).0 = DATA_ACTIVITY_NONE, no traffic1 = DATA_ACTIVITY_IN, currently receiving IP PPP traffic2 = DATA_ACTIVITY_OUT, currently sending IP PPP traffic3 = DATA_ACTIVITY_INOUT, currently both sending and receiving IP PPP traffic4 = DATA_ACTIVITY_DORMANT, data connection is active, but physical link is down	number	2022-03-28	1
data_state	Indicates the current data connection state (cellular).0 = DATA_DISCONNECTED, IP traffic not available1 = DATA_CONNECTING, currently setting up a data connection2 = DATA_CONNECTED, IP traffic should be available3 = DATA_SUSPENDED, the connection is up, but IP traffic is temporarily unavailable. For example, in a 2G network, data activity may be suspended when a voice call arrives.4 = DATA_DISCONNECTING, IP traffic may be available but will cease working imminently	number	2022-03-28	1

display_state	The state of the display.0 = STATE_UNKNOWN, the display state is unknown1 = STATE_OFF, the display is off2 = STATE_ON, the display is on3 = STATE_DOZE, the display is dozing in a low power state; it is still on but is optimized for showing system-provided content while the device is non-interactive4 = STATE_DOZE_SUSPEND, the display is dozing in a suspended low power state; it is still on but the CPU is not updating it. This may be used in one of two ways: to show static system-provided content while the device is non-interactive, or to allow a "Sidekick" compute resource to update the display. For this reason, the CPU must not control the display in this mode.6 = STATE_ON_SUSPEND, the display is in a suspended full power state; it is still on but the CPU is not updating it. This may be used in one of two ways: to show static system-provided content while the device is non-interactive, or to allow a "Sidekick" compute resource to update the display. For this reason, the CPU must not control the display in this mode.	number	2022-03-28	1
is_concurrent_voice_data_supported	TRUE if the device is currently on a technology (e.g. UMTS or LTE) which can support voice and data simultaneously. This can change based on location or network condition.	text	2022-03-28	5
is_data_capable	TRUE if the current device is "data capable" over a radio on the device. "Data capable" means that this device supports packet-switched data connections over the telephony network.	text	2022-03-28	5
is_data_enabled	TRUE if mobile data is enabled or not per user setting.	text	2022-03-28	5

is_data_connection_allowed	TRUE if a cellular data connection is allowed in the device.Whether cellular data connection is allowed considers all factors below:User turned on data setting isDataEnabled().Carrier allows data to be on.Network policy.And possibly others.	text	2022-03-28	5
is_data_roaming_enabled	TRUE mobile data roaming is enabled on the subscription.	text	2022-03-28	5
has_icc_card	TRUE if a ICC card is present	text	2022-03-28	5
is_world_phone	TRUE if the device is a world phone.	text	2022-03-28	5
is_multi_sim_supported	Indicates if the usage of multiple SIM cards is supported by the device and by the carrier.0 = MULTISIM_ALLOWED if the device supports multiple SIMs 1 = MULTISIM_NOT_SUPPORTED_BY_HARDWARE if the device does not support multiple SIMs2 = MULTISIM_NOT_SUPPORTED_BY_CARRIER in the device supports multiple SIMs, but the functionality is restricted by the carrier	number	2022-03-28	1
active_modem_count	The number of logical modems currently configured to be activated. 0 = voice, sms, data is not supported 1 = single standby mode (single SIM functionality) 2 = dual standby mode (dual SIM functionality)3 = tri standby mode (tri SIM functionality)	number	2022-03-28	1
supported_modem_count	The number of logical modem that can be potentially active simultaneously, in terms of hardware capability.	number	2022-03-28	1
override_network_type	Indicates if a network type override occurred.0 = no override1 = LTE with carrier aggregation2 = LTE advanced pro3 = NR NSA4 = NR NSA mmWave5 = NR advanced (NR network with data rate that is higher than the generic 5G rate such as mmWave, unique bands, or carrier aggregation)	number	2022-03-28	1
lac	GSM, WCDMA. A 16-bit integer representing a cell's location within a given operator's system. 65535 represents unknown.	number	2022-03-28	5

psc	WCDMA (or UMTS). Primary Scrambling Code. Valid values range from 0 to 512 with 65535 representing unknown.	number	2022-03-28	5