Screen 1

ServiceMode ⋮

LTE-BASIC Info
Band:3 BW: 20MHz
DL & UL Frequency: 1549 / 19549
MIMO Mode/MIMO RI: TBD / 2
ServingCellID:0x9F923DPCI:388
Home PLMN: 244 12
Registered PLMN: 244 12
RSRP:-86 RSRQ:-10 RSSI:-54
TAC:37922 SINR: 5
RRC: CONNECTED
WAKEUP_INFO: 0

<NR Information>
UpLayerInd: 1
RestrictDCNR: 1
NR MO: ADD
ENDC Status: Inactive
SCG Failure Cause: --
NR-MSTC: OFF
NR-CHBW: --, BWP: --
NR-SRB3: --
NR-SSB Index:--
NR-SSB RSRP:--

Screen 2

ServiceMode ⋮

LTE-BASIC Info
Band:1 BW: 20MHz
DL & UL Frequency: 497 / 18497
MIMO Mode/MIMO RI: TBD / 3
ServingCellID:0x9F9249PCI:77
Home PLMN: 244 12
Registered PLMN: 244 12
RSRP:-79 RSRQ:-10 RSSI:-49
TAC:37922 SINR: 6
RRC: CONNECTED
WAKEUP_INFO: 0

<NR Information>
UpLayerInd: 1
RestrictDCNR: 1
NR MO: NULL
ENDC Status: Inactive
SCG Failure Cause: --
NR-MSTC: OFF
NR-CHBW: --, BWP: --
NR-SRB3: --
NR-SSB Index:--
NR-SSB RSRP:--

Screen 3

ServiceMode ⋮

LTE-BASIC Info
Band:3 BW: 20MHz
DL & UL Frequency: 1351 / 19351
MIMO Mode/MIMO RI: TBD / --
ServingCellID:0x9F9233PCI:388
Home PLMN: 244 12
Registered PLMN: 244 12
RSRP:-83 RSRQ:-10 RSSI:-53
TAC:37922 SINR: -2
RRC: IDLE
WAKEUP_INFO: 0

<NR Information>
UpLayerInd: 1
RestrictDCNR: 1
NR MO: NULL
ENDC Status: Inactive
SCG Failure Cause: --
NR-MSTC: OFF
NR-CHBW: --, BWP: --
NR-SRB3: --
NR-SSB Index:--
NR-SSB RSRP:--

Analysis

Test location: My apartment.

Analysis of screenshots from left to right:

1. Center of the apartment
- 20 MHz of Band 3 (1800 MHz)
- RSRP (Reference Signal Received Power) -86dBm
- RSSI -54dBm
- SINR 5dB

2. Balcony
- 20 MHz of Band 1 (2100 MHz)
- RSRP -79dBm
- RSSI -49dBm
- SINR 6dB

3. Bathroom
- 20 MHz of Band 3 (1800 MHz)
- RSRP -83dBm
- RSSI -53dBm
- SINR -2dB

Observations:
- Best signal quality at the center of the apartment.
- Bathroom has negative SINR, meaning noise is greater than the signal. Probably materials used in bathroom walls creating noise or reducing signal.
- Going to balcony created a frequency band hop from band 3 to band 1.