| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 215 | 7025 | | 11.00 | | 11.00 | | 14.00 | |
| | 802.11ax-HE160 MCS0 | 15 | 6025 | | 12.50 | | 12.50 | | 15.50 | |
| | | 47 | 6185 | | 12.50 | | 12.50 | | 15.50 | |
| | | 111 | 6505 | | 11.00 | | 11.00 | | 15.50 | |
| | | 175 | 6825 | | 12.00 | | 12.00 | | 15.00 | |
| | | 207 | 6985 | | 12.00 | | 12.00 | | 15.00 | |

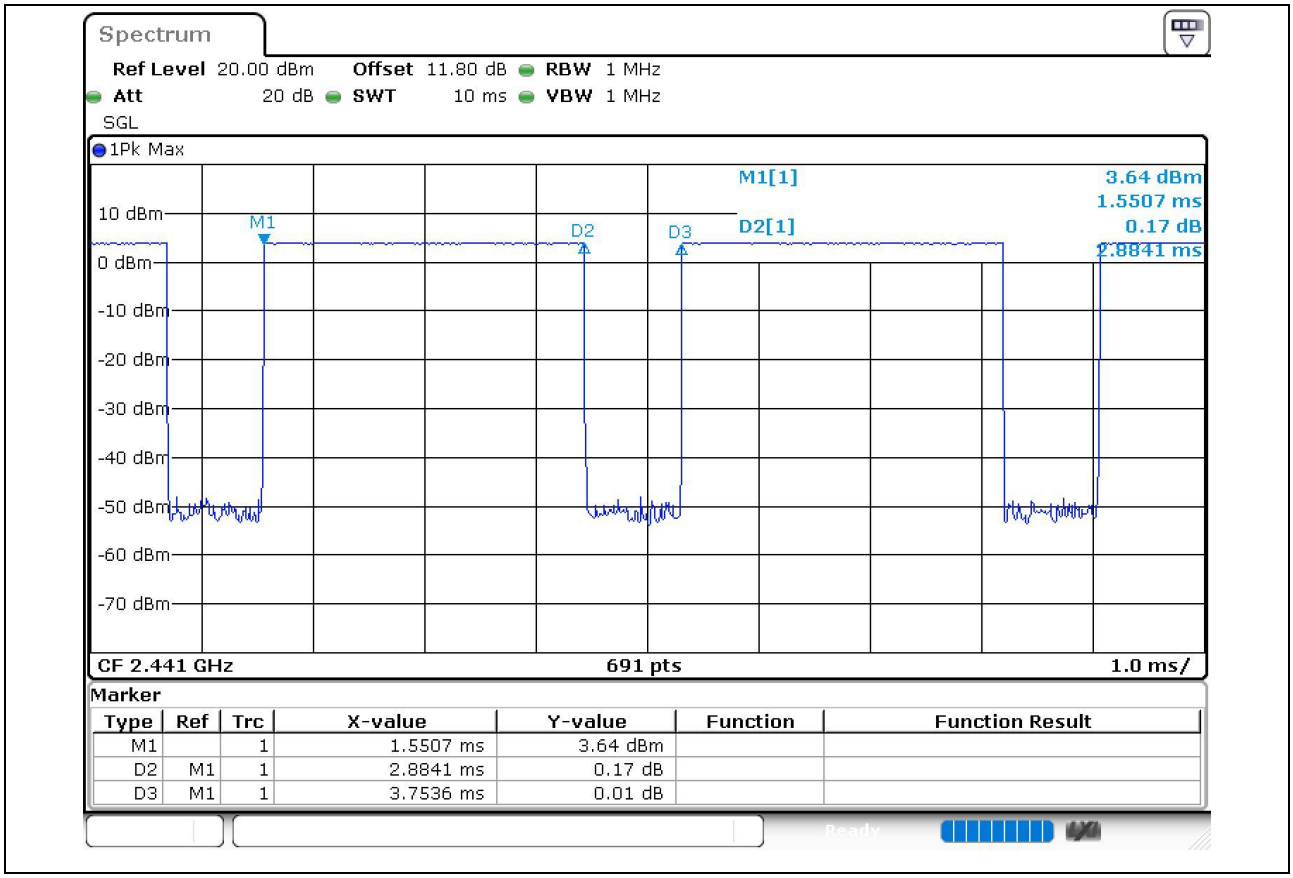
**<2.4GHz Bluetooth>**

| Mode | Channel | Frequency (MHz) | Average power (dBm) | | |
|---|---|---|---|---|---|
| | | | 1Mbps | 2Mbps | 3Mbps |
| BR / EDR | CH 00 | 2402 | 3.94 | 1.17 | 1.18 |
| | CH 39 | 2441 | 3.91 | 0.91 | 0.95 |
| | CH 78 | 2480 | 3.72 | 0.89 | 0.94 |
| Tune-up Limit | | | 4 | 1.5 | 1.5 |

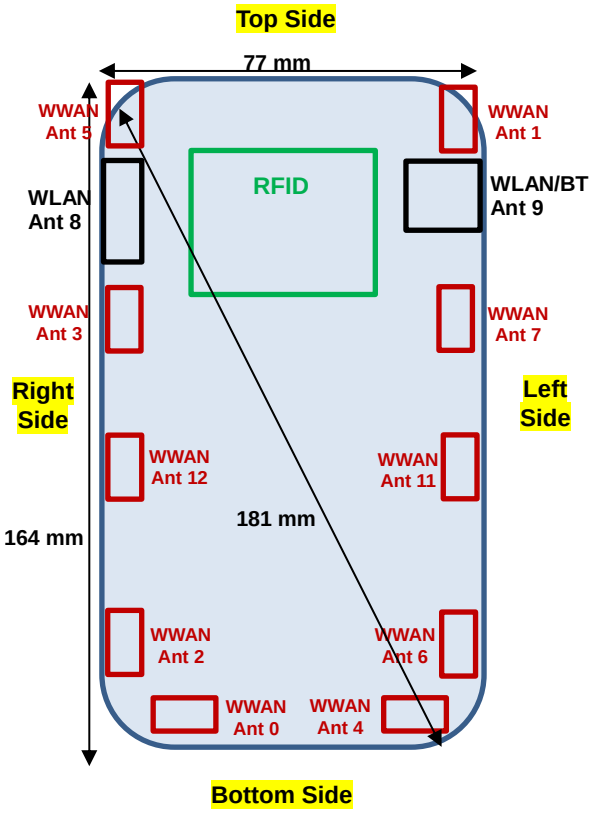
| Mode | Channel | Frequency (MHz) | Average power (dBm) | |
|---|---|---|---|---|
| | | | 1Mbps | 2Mbps |
| LE | CH 00 | 2402 | 3.80 | 3.80 |
| | CH 19 | 2440 | 3.70 | 3.70 |
| | CH 39 | 2480 | 3.60 | 3.60 |
| Tune-up Limit | | | 4 | 4 |

**General Note:**

1. For 2.4GHz Bluetooth SAR testing was selected 1Mbps due to its highest average power and duty cycle is 76.83% considered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation.



## 15. Antenna Location




***Back View***

# 16. SAR Test Results

**General Note:**

1. Per KDB 447498 D01v06, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
   a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
   b. For SAR testing of WLAN signal with non-100% duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle)"
   c. For WWAN: Reported SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
   d. For WLAN/Bluetooth: Reported SAR(W/kg)= Measured SAR(W/kg)* Duty Cycle scaling factor * Tune-up scaling factor
   e. For TDD LTE SAR measurement, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix 63.3%/62.9% = 1.006 is applied to scale-up the measured SAR result. The Reported TDD LTE SAR = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.
2. Per KDB 447498 D01v06, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the *reported* 1-g or 10-g SAR for the mid-band or highest output power channel is:
   - ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
   - ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
   - ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz
3. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥0.8W/kg.
4. Per KDB 648474 D04v01r03, when the reported SAR for a body-worn accessory measured without a headset connected to the handset is ≤ 1.2 W/kg, SAR testing with a headset connected to the handset is not required.
5. Per KDB648474 D04v01r03, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm, when hotspot mode applies, 10-g product specific SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg, however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold, for this device only bottom side SAR for WWAN transmitter scaled to maximum output power is higher than 1.2W/kg of FR1 n41, therefore product specific SAR is necessary.
6. For 5.3GHz / 5.5GHz / 6GHz WLAN product specific SAR is necessary too, due to an overall diagonal dimension is > 16cm.

**GSM Note:**

1. Per KDB 941225 D01v03r01, for SAR test reduction for GSM / GPRS / EDGE modes is determined by the source-based time-averaged output power including tune-up tolerance. The mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested. Therefore, the GPRS (4Tx slots) for GSM850/GSM1900 is considered as the primary mode.
2. Other configurations of GSM / GPRS / EDGE are considered as secondary modes. The 3G SAR test reduction procedure is applied, when the maximum output power and tune-up tolerance specified for production units in a secondary mode is ≤ ¼ dB higher than the primary mode, SAR measurement is not required for the secondary mode.
3. Power reduction which is triggered by hotspot mode is implemented in GSM1900 band, for hotspot mode SAR testing EUT was set in reduced power mode and GPRS 4 Tx slot due to its highest frame-average power.

**UMTS Note:**

1. Per KDB 941225 D01v03r01, for SAR testing is measured using a 12.2 kbps RMC with TPC bits configured to all “1’s”.
2. Per KDB 941225 D01v03r01, RMC 12.2kbps setting is used to evaluate SAR. The maximum output power and tune-up tolerance specified for production units in HSDPA / HSUPA / DC-HSDPA is ≤ ¼ dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA / DC-HSDPA to RMC12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA, and according to the following RF output power, the output power results of the secondary modes (HSUPA, HSDPA, DC-HSDPA) are less than ¼ dB higher than the primary modes; therefore, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA.

**LTE Note:**

1. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
2. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
3. Per KDB 941225 D05v02r05, For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
4. Per KDB 941225 D05v02r05, 16QAM output power for each RB allocation configuration is > not ½ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, 16QAM SAR testing is not required.
5. Per KDB 941225 D05v02r05, Smaller bandwidth output power for each RB allocation configuration is > not ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, smaller bandwidth SAR testing is not required.
6. For LTE B4/B5/B12/B17/B26/B38/B71 the maximum bandwidth does not support three non-overlapping channels, per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.
7. LTE band 2/4/5/17/38 SAR test was covered by Band 25/66/26/12/41; according to TCB workshop, SAR test for overlapping LTE bands can be reduced if
   a. The maximum output power, including tolerance, for the smaller band is ≤ the larger band to qualify for the SAR test exclusion.
   b. The channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band.

**5G NR Note:**

1. Referencing the procedure in KDB 941225, the test procedures are outlined as below:
   a. To start SAR test for the largest channel bandwidth for PI/2 BPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel. Also do SAR test for 50% RB allocation for PI/2 BPSK SAR testing using 1RB PI/2 BPSK allocation procedure
   b. For PI/2 BPSK with 100% RB allocation, SAR test is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
   c. For higher modulation QPSK/16QAM/64QAM/256QAM, according to tune-up document the power level is not ½ dB higher than the same configuration in PI/2 BPSK, also reported SAR for the PI/2 BPSK configuration is less than 1.45 W/kg, QPSK/16QAM/64QAM/256QAM SAR testing are not required.
   d. Smaller bandwidth output power for each RB allocation configuration for this device is not ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device
   e. For 5G FR1 n5/n41/n71/n77, the maximum channel bandwidth does not support three non-overlapping channels in the frequency band, the middle channel of the group of overlapping channels were selected for testing.
   f. Due to test setup limitations, SAR testing for NR was performed using Factory Test Mode software to establish the connection and perform SAR with 100% transmission.
   g. Ant 1/3/5/7/12 dedicated is used for SRS only, different from Tx antennas, then the SAR measurement at Plimit for SRS dedicated antenna(s) can be performed using FTM mode with CW modulation with 100% duty cycle(as SRS operates at very low duty cycle in online mode).

**WLAN Note:**

1. Per KDB 248227 D01v02r02, for 2.4GHz 802.11g/n SAR testing is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
2. Per KDB 248227 D01v02r02, WLAN5.2GHz SAR testing is not required when the WLAN5.3GHz band highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for WLAN5.2GHz band.
3. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is ≤ 0.8 W/kg or all required test position are tested.
4. For all positions / configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions / configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.
5. For determination of the scaling factor for report SAR of MIMO mode, if the hot spots are separated the scaling factors are individually determined from each transmit chain. If the hot spots are not spatially separated, the scaling factor is determined from the worst number of each transmit chain
6. The SISO operation only operate in 2.4GHz WLAN, the MIMO operation is support in 2.4GHz / 5GHz / 6GHz WLAN
7. The head / body-worn 2.4GHz SISO mode was performed non DBS output power level only, due to it is higher power level and we using the non DBS mode result to evaluated DBS mode Sim-Tx analysis
8. During SAR testing the WLAN transmission was verified using a spectrum analyzer.

**WLAN PD Note:**

1. The manufacturer has confirmed that the devices tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
2. Absorbed power density (APD) using a 4cm2 averaging area is reported based on SAR measurements.
3. Power density was calculated by repeated E-field measurements on two measurement planes separated by λ/4.
4. The device was configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools.
5. Per FCC guidance and equipment manufacturer guidance, power density results were scaled according to IEC 62479:2010 for the portion of the measurement uncertainty > 30%. Total expanded uncertainty of 2.68 dB (85.4%) was used to determine the psPD measurement scaling factor.
6. The measurement procedure consists of measuring the PDinc at two different distances: 2 mm (compliance distance) and λ/5. The grid extents should be large enough to fully capture the transmitted energy. The grid step should be fine enough to demonstrate that the integrated Power Density iPDn fulfill the criterion described below. Since iPD ratio between the two distances is ≥ -1dB, the grid step (0.0625) was sufficient for determining compliance at d=2mm.

$$10 \cdot log_{10} \frac{iPD_n(2mm)}{iPD_n(\lambda/5)} \geq -1$$

## 16.1 Head SAR

### <GSM SAR>

| Plot No. | Band | Mode | Test Position | Gap (mm) | Sample | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GSM850_Ant 4 | GPRS (4 Tx slots) | Right Cheek | 0mm | Sample 1 | DSI0 | 251 | 848.8 | 30.05 | 30.50 | 1.109 | -0.06 | 0.204 | 0.226 |
| | GSM850_Ant 4 | GPRS (4 Tx slots) | Right Tilted | 0mm | Sample 1 | DSI0 | 251 | 848.8 | 30.05 | 30.50 | 1.109 | 0 | 0.120 | 0.133 |
| | GSM850_Ant 4 | GPRS (4 Tx slots) | Left Cheek | 0mm | Sample 1 | DSI0 | 251 | 848.8 | 30.05 | 30.50 | 1.109 | 0.1 | 0.276 | 0.306 |
| | GSM850_Ant 4 | GPRS (4 Tx slots) | Left Cheek | 0mm | Sample 1 | DSI0 | 128 | 824.2 | 29.43 | 30.50 | 1.279 | -0.09 | 0.176 | 0.225 |
| | GSM850_Ant 4 | GPRS (4 Tx slots) | Left Cheek | 0mm | Sample 1 | DSI0 | 189 | 836.4 | 28.84 | 30.50 | 1.466 | -0.15 | 0.223 | 0.327 |
| | GSM850_Ant 4 | GPRS (4 Tx slots) | Left Tilted | 0mm | Sample 1 | DSI0 | 251 | 848.8 | 30.05 | 30.50 | 1.109 | -0.09 | 0.148 | 0.164 |
| 01 | GSM850_Ant 4 | GPRS (4 Tx slots) | Left Cheek | 0mm | Sample 2 | DSI0 | 189 | 836.4 | 28.84 | 30.50 | 1.466 | -0.02 | 0.235 | 0.344 |
| | GSM850_Ant 4 | GPRS (4 Tx slots) | Left Cheek | 0mm | Sample 3 | DSI0 | 189 | 836.4 | 28.84 | 30.50 | 1.466 | 0.02 | 0.226 | 0.331 |
| | GSM1900_Ant 4 | GPRS (4 Tx slots) | Right Cheek | 0mm | Sample 1 | DSI0 | 810 | 1909.8 | 27.23 | 27.50 | 1.064 | -0.07 | 0.072 | 0.077 |
| | GSM1900_Ant 4 | GPRS (4 Tx slots) | Right Tilted | 0mm | Sample 1 | DSI0 | 810 | 1909.8 | 27.23 | 27.50 | 1.064 | -0.15 | 0.040 | 0.043 |
| | GSM1900_Ant 4 | GPRS (4 Tx slots) | Left Cheek | 0mm | Sample 1 | DSI0 | 810 | 1909.8 | 27.23 | 27.50 | 1.064 | -0.15 | 0.122 | 0.130 |
| | GSM1900_Ant 4 | GPRS (4 Tx slots) | Left Cheek | 0mm | Sample 1 | DSI0 | 512 | 1850.2 | 26.63 | 27.50 | 1.222 | 0.09 | 0.103 | 0.126 |
| 02 | GSM1900_Ant 4 | GPRS (4 Tx slots) | Left Cheek | 0mm | Sample 1 | DSI0 | 661 | 1880 | 26.61 | 27.50 | 1.227 | 0.06 | 0.135 | 0.166 |
| | GSM1900_Ant 4 | GPRS (4 Tx slots) | Left Tilted | 0mm | Sample 1 | DSI0 | 810 | 1909.8 | 27.23 | 27.50 | 1.064 | -0.12 | 0.055 | 0.059 |
| | GSM1900_Ant 4 | GPRS (4 Tx slots) | Left Cheek | 0mm | Sample 2 | DSI0 | 661 | 1880 | 26.61 | 27.50 | 1.227 | -0.19 | 0.119 | 0.146 |
| | GSM1900_Ant 4 | GPRS (4 Tx slots) | Left Cheek | 0mm | Sample 3 | DSI0 | 661 | 1880 | 26.61 | 27.50 | 1.227 | -0.02 | 0.092 | 0.113 |

### <WCDMA SAR>

| Plot No. | Band | Mode | Test Position | Gap (mm) | Sample | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | WCDMA II_Ant 2 | RMC 12.2Kbps | Right Cheek | 0mm | Sample 1 | DSI0 | 9538 | 1907.6 | 24.78 | 25.20 | 1.102 | -0.17 | 0.152 | 0.167 |
| | WCDMA II_Ant 2 | RMC 12.2Kbps | Right Cheek | 0mm | Sample 1 | DSI0 | 9262 | 1852.4 | 24.52 | 25.20 | 1.169 | 0.05 | 0.087 | 0.102 |
| | WCDMA II_Ant 2 | RMC 12.2Kbps | Right Cheek | 0mm | Sample 1 | DSI0 | 9400 | 1880 | 24.62 | 25.20 | 1.143 | -0.18 | 0.113 | 0.129 |
| | WCDMA II_Ant 2 | RMC 12.2Kbps | Right Tilted | 0mm | Sample 1 | DSI0 | 9538 | 1907.6 | 24.78 | 25.20 | 1.102 | 0.09 | 0.064 | 0.070 |
| | WCDMA II_Ant 2 | RMC 12.2Kbps | Left Cheek | 0mm | Sample 1 | DSI0 | 9538 | 1907.6 | 24.78 | 25.20 | 1.102 | -0.14 | 0.112 | 0.123 |
| | WCDMA II_Ant 2 | RMC 12.2Kbps | Left Tilted | 0mm | Sample 1 | DSI0 | 9538 | 1907.6 | 24.78 | 25.20 | 1.102 | -0.08 | 0.095 | 0.105 |
| 03 | WCDMA II_Ant 2 | RMC 12.2Kbps | Right Cheek | 0mm | Sample 2 | DSI0 | 9538 | 1907.6 | 24.78 | 25.20 | 1.102 | -0.15 | 0.225 | 0.248 |
| | WCDMA II_Ant 2 | RMC 12.2Kbps | Right Cheek | 0mm | Sample 3 | DSI0 | 9538 | 1907.6 | 24.78 | 25.20 | 1.102 | 0.08 | 0.213 | 0.235 |
| | WCDMA IV_Ant 2 | RMC 12.2Kbps | Right Cheek | 0mm | Sample 1 | DSI0 | 1312 | 1712.4 | 24.40 | 25.20 | 1.202 | -0.13 | 0.029 | 0.035 |
| | WCDMA IV_Ant 2 | RMC 12.2Kbps | Right Cheek | 0mm | Sample 1 | DSI0 | 1413 | 1732.6 | 24.31 | 25.20 | 1.227 | -0.1 | 0.026 | 0.032 |
| | WCDMA IV_Ant 2 | RMC 12.2Kbps | Right Cheek | 0mm | Sample 1 | DSI0 | 1513 | 1752.6 | 24.38 | 25.20 | 1.208 | 0.04 | 0.027 | 0.033 |
| | WCDMA IV_Ant 2 | RMC 12.2Kbps | Right Tilted | 0mm | Sample 1 | DSI0 | 1312 | 1712.4 | 24.40 | 25.20 | 1.202 | 0.09 | 0.001 | 0.001 |
| | WCDMA IV_Ant 2 | RMC 12.2Kbps | Left Cheek | 0mm | Sample 1 | DSI0 | 1312 | 1712.4 | 24.40 | 25.20 | 1.202 | 0.02 | 0.020 | 0.024 |
| | WCDMA IV_Ant 2 | RMC 12.2Kbps | Left Tilted | 0mm | Sample 1 | DSI0 | 1312 | 1712.4 | 24.40 | 25.20 | 1.202 | -0.11 | 0.001 | 0.001 |
| | WCDMA IV_Ant 2 | RMC 12.2Kbps | Right Cheek | 0mm | Sample 2 | DSI0 | 1312 | 1712.4 | 24.4 | 25.20 | 1.202 | -0.14 | 0.022 | 0.026 |
| 04 | WCDMA IV_Ant 2 | RMC 12.2Kbps | Right Cheek | 0mm | Sample 3 | DSI0 | 1312 | 1712.4 | 24.40 | 25.20 | 1.202 | -0.18 | 0.062 | 0.075 |
| | WCDMA V_Ant 4 | RMC 12.2Kbps | Right Cheek | 0mm | Sample 1 | DSI0 | 4182 | 836.4 | 23.79 | 25.20 | 1.384 | -0.13 | 0.153 | 0.212 |
| | WCDMA V_Ant 4 | RMC 12.2Kbps | Right Tilted | 0mm | Sample 1 | DSI0 | 4182 | 836.4 | 23.79 | 25.20 | 1.384 | -0.02 | 0.098 | 0.136 |
| | WCDMA V_Ant 4 | RMC 12.2Kbps | Left Cheek | 0mm | Sample 1 | DSI0 | 4182 | 836.4 | 23.79 | 25.20 | 1.384 | -0.16 | 0.172 | 0.238 |
| | WCDMA V_Ant 4 | RMC 12.2Kbps | Left Cheek | 0mm | Sample 1 | DSI0 | 4132 | 826.4 | 23.75 | 25.20 | 1.396 | -0.08 | 0.134 | 0.187 |
| | WCDMA V_Ant 4 | RMC 12.2Kbps | Left Cheek | 0mm | Sample 1 | DSI0 | 4233 | 846.6 | 23.45 | 25.20 | 1.496 | -0.07 | 0.160 | 0.239 |
| | WCDMA V_Ant 4 | RMC 12.2Kbps | Left Tilted | 0mm | Sample 1 | DSI0 | 4182 | 836.4 | 23.79 | 25.20 | 1.384 | 0 | 0.107 | 0.148 |
| 05 | WCDMA V_Ant 4 | RMC 12.2Kbps | Left Cheek | 0mm | Sample 2 | DSI0 | 4233 | 846.6 | 23.45 | 25.20 | 1.496 | -0.04 | 0.234 | 0.350 |
| | WCDMA V_Ant 4 | RMC 12.2Kbps | Left Cheek | 0mm | Sample 3 | DSI0 | 4233 | 846.6 | 23.45 | 25.20 | 1.496 | 0.01 | 0.086 | 0.129 |

## <FDD LTE SAR>

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Sample | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LTE Band 7_Ant 6 | 20M | QPSK | 1 | 0 | Right Cheek | 0mm | Sample 1 | DSI0 | 21350 | 2560 | 23.78 | 24.00 | 1.052 | -0.12 | 0.026 | 0.027 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 50 | 0 | Right Cheek | 0mm | Sample 1 | DSI0 | 21350 | 2560 | 22.65 | 23.00 | 1.084 | -0.1 | 0.021 | 0.023 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 1 | 0 | Right Tilted | 0mm | Sample 1 | DSI0 | 21350 | 2560 | 23.78 | 24.00 | 1.052 | -0.17 | 0.001 | 0.001 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 50 | 0 | Right Tilted | 0mm | Sample 1 | DSI0 | 21350 | 2560 | 22.65 | 23.00 | 1.084 | 0.05 | 0.001 | 0.001 |
| 06 | LTE Band 7_Ant 6 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 21350 | 2560 | 23.78 | 24.00 | 1.052 | 0.03 | 0.096 | 0.101 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 20850 | 2510 | 23.46 | 24.00 | 1.132 | -0.04 | 0.075 | 0.085 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 21100 | 2535 | 23.10 | 24.00 | 1.230 | -0.05 | 0.078 | 0.096 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 50 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 21350 | 2560 | 22.65 | 23.00 | 1.084 | 0.05 | 0.079 | 0.086 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 1 | 0 | Left Tilted | 0mm | Sample 1 | DSI0 | 21350 | 2560 | 23.78 | 24.00 | 1.052 | 0.08 | 0.001 | 0.001 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 50 | 0 | Left Tilted | 0mm | Sample 1 | DSI0 | 21350 | 2560 | 22.65 | 23.00 | 1.084 | 0.03 | 0.001 | 0.001 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 2 | DSI0 | 21350 | 2560 | 23.78 | 24.00 | 1.052 | 0.08 | 0.067 | 0.070 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 3 | DSI0 | 21350 | 2560 | 23.78 | 24.00 | 1.052 | 0.02 | 0.077 | 0.081 |
| | LTE Band 7C_Ant 6 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 20850 | 2560 | 23.47 | 24 | 1.130 | -0.08 | 0.088 | 0.099 |
| | LTE Band 12_Ant 0 | 10M | QPSK | 1 | 0 | Right Cheek | 0mm | Sample 1 | DSI0 | 23095 | 707.5 | 23.83 | 24.70 | 1.222 | 0.02 | 0.167 | 0.204 |
| | LTE Band 12_Ant 0 | 10M | QPSK | 25 | 0 | Right Cheek | 0mm | Sample 1 | DSI0 | 23095 | 707.5 | 22.82 | 23.70 | 1.225 | 0.08 | 0.130 | 0.159 |
| | LTE Band 12_Ant 0 | 10M | QPSK | 1 | 0 | Right Tilted | 0mm | Sample 1 | DSI0 | 23095 | 707.5 | 23.83 | 24.70 | 1.222 | 0.1 | 0.107 | 0.131 |
| | LTE Band 12_Ant 0 | 10M | QPSK | 25 | 0 | Right Tilted | 0mm | Sample 1 | DSI0 | 23095 | 707.5 | 22.82 | 23.70 | 1.225 | -0.17 | 0.082 | 0.100 |
| | LTE Band 12_Ant 0 | 10M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 23095 | 707.5 | 23.83 | 24.70 | 1.222 | 0.06 | 0.141 | 0.172 |
| | LTE Band 12_Ant 0 | 10M | QPSK | 25 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 23095 | 707.5 | 22.82 | 23.70 | 1.225 | 0.09 | 0.108 | 0.132 |
| | LTE Band 12_Ant 0 | 10M | QPSK | 1 | 0 | Left Tilted | 0mm | Sample 1 | DSI0 | 23095 | 707.5 | 23.83 | 24.70 | 1.222 | 0.01 | 0.095 | 0.116 |
| | LTE Band 12_Ant 0 | 10M | QPSK | 25 | 0 | Left Tilted | 0mm | Sample 1 | DSI0 | 23095 | 707.5 | 22.82 | 23.70 | 1.225 | -0.07 | 0.074 | 0.091 |
| 07 | LTE Band 12_Ant 0 | 10M | QPSK | 1 | 0 | Right Cheek | 0mm | Sample 2 | DSI0 | 23095 | 707.5 | 23.83 | 24.70 | 1.222 | 0.04 | 0.213 | 0.260 |
| | LTE Band 12_Ant 0 | 10M | QPSK | 1 | 0 | Right Cheek | 0mm | Sample 3 | DSI0 | 23095 | 707.5 | 23.83 | 24.70 | 1.222 | -0.17 | 0.190 | 0.232 |
| | LTE Band 13_Ant 0 | 10M | QPSK | 1 | 0 | Right Cheek | 0mm | Sample 1 | DSI0 | 23230 | 782 | 23.08 | 24.50 | 1.387 | 0 | 0.153 | 0.212 |
| | LTE Band 13_Ant 0 | 10M | QPSK | 25 | 0 | Right Cheek | 0mm | Sample 1 | DSI0 | 23230 | 782 | 22.02 | 23.50 | 1.406 | -0.08 | 0.126 | 0.177 |
| | LTE Band 13_Ant 0 | 10M | QPSK | 1 | 0 | Right Tilted | 0mm | Sample 1 | DSI0 | 23230 | 782 | 23.08 | 24.50 | 1.387 | -0.12 | 0.112 | 0.155 |
| | LTE Band 13_Ant 0 | 10M | QPSK | 25 | 0 | Right Tilted | 0mm | Sample 1 | DSI0 | 23230 | 782 | 22.02 | 23.50 | 1.406 | -0.17 | 0.087 | 0.122 |
| | LTE Band 13_Ant 0 | 10M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 23230 | 782 | 23.08 | 24.50 | 1.387 | -0.08 | 0.115 | 0.159 |
| | LTE Band 13_Ant 0 | 10M | QPSK | 25 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 23230 | 782 | 22.02 | 23.50 | 1.406 | 0.02 | 0.099 | 0.139 |
| | LTE Band 13_Ant 0 | 10M | QPSK | 1 | 0 | Left Tilted | 0mm | Sample 1 | DSI0 | 23230 | 782 | 23.08 | 24.50 | 1.387 | -0.01 | 0.081 | 0.112 |
| | LTE Band 13_Ant 0 | 10M | QPSK | 25 | 0 | Left Tilted | 0mm | Sample 1 | DSI0 | 23230 | 782 | 22.02 | 23.50 | 1.406 | 0.03 | 0.064 | 0.090 |
| 08 | LTE Band 13_Ant 0 | 10M | QPSK | 1 | 0 | Right Cheek | 0mm | Sample 2 | DSI0 | 23230 | 782 | 23.08 | 24.50 | 1.387 | -0.19 | 0.232 | 0.322 |
| | LTE Band 13_Ant 0 | 10M | QPSK | 1 | 0 | Right Cheek | 0mm | Sample 3 | DSI0 | 23230 | 782 | 23.08 | 24.50 | 1.387 | 0.09 | 0.224 | 0.311 |
| | LTE Band 14_Ant 0 | 10M | QPSK | 1 | 0 | Right Cheek | 0mm | Sample 1 | DSI0 | 23330 | 793 | 23.70 | 24.70 | 1.259 | -0.05 | 0.098 | 0.123 |
| | LTE Band 14_Ant 0 | 10M | QPSK | 25 | 0 | Right Cheek | 0mm | Sample 1 | DSI0 | 23330 | 793 | 22.69 | 23.70 | 1.262 | -0.11 | 0.077 | 0.097 |
| | LTE Band 14_Ant 0 | 10M | QPSK | 1 | 0 | Right Tilted | 0mm | Sample 1 | DSI0 | 23330 | 793 | 23.70 | 24.70 | 1.259 | -0.08 | 0.073 | 0.092 |
| | LTE Band 14_Ant 0 | 10M | QPSK | 25 | 0 | Right Tilted | 0mm | Sample 1 | DSI0 | 23330 | 793 | 22.69 | 23.70 | 1.262 | -0.03 | 0.055 | 0.069 |
| | LTE Band 14_Ant 0 | 10M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 23330 | 793 | 23.70 | 24.70 | 1.259 | -0.19 | 0.075 | 0.094 |
| | LTE Band 14_Ant 0 | 10M | QPSK | 25 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 23330 | 793 | 22.69 | 23.70 | 1.262 | 0.08 | 0.057 | 0.072 |
| | LTE Band 14_Ant 0 | 10M | QPSK | 1 | 0 | Left Tilted | 0mm | Sample 1 | DSI0 | 23330 | 793 | 23.70 | 24.70 | 1.259 | 0.05 | 0.054 | 0.068 |
| | LTE Band 14_Ant 0 | 10M | QPSK | 25 | 0 | Left Tilted | 0mm | Sample 1 | DSI0 | 23330 | 793 | 22.69 | 23.70 | 1.262 | -0.03 | 0.038 | 0.048 |
| | LTE Band 14_Ant 0 | 10M | QPSK | 1 | 0 | Right Cheek | 0mm | Sample 2 | DSI0 | 23330 | 793 | 23.70 | 24.70 | 1.259 | -0.03 | 0.158 | 0.199 |
| 09 | LTE Band 14_Ant 0 | 10M | QPSK | 1 | 0 | Right Cheek | 0mm | Sample 3 | DSI0 | 23330 | 793 | 23.70 | 24.70 | 1.259 | 0.14 | 0.167 | 0.210 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 1 | 0 | Right Cheek | 0mm | Sample 1 | DSI0 | 26340 | 1880 | 24.38 | 25.20 | 1.208 | -0.1 | 0.101 | 0.122 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 50 | 0 | Right Cheek | 0mm | Sample 1 | DSI0 | 26340 | 1880 | 23.26 | 24.20 | 1.242 | -0.18 | 0.061 | 0.076 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 1 | 0 | Right Tilted | 0mm | Sample 1 | DSI0 | 26340 | 1880 | 24.38 | 25.20 | 1.208 | -0.04 | 0.033 | 0.040 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 50 | 0 | Right Tilted | 0mm | Sample 1 | DSI0 | 26340 | 1880 | 23.26 | 24.20 | 1.242 | -0.04 | 0.035 | 0.043 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 26340 | 1880 | 24.38 | 25.20 | 1.208 | 0.08 | 0.144 | 0.174 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 26140 | 1860 | 24.32 | 25.20 | 1.225 | 0.11 | 0.136 | 0.167 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 26590 | 1905 | 24.33 | 25.20 | 1.222 | -0.13 | 0.155 | 0.189 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 50 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 26340 | 1880 | 23.26 | 24.20 | 1.242 | 0.1 | 0.126 | 0.156 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 1 | 0 | Left Tilted | 0mm | Sample 1 | DSI0 | 26340 | 1880 | 24.38 | 25.20 | 1.208 | -0.18 | 0.069 | 0.083 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 50 | 0 | Left Tilted | 0mm | Sample 1 | DSI0 | 26340 | 1880 | 23.26 | 24.20 | 1.242 | -0.11 | 0.048 | 0.060 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 2 | DSI0 | 26590 | 1905 | 24.33 | 25.20 | 1.222 | 0.05 | 0.086 | 0.105 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 3 | DSI0 | 26590 | 1905 | 24.33 | 25.20 | 1.222 | -0.16 | 0.069 | 0.084 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 1 | 0 | Right Cheek | 0mm | Sample 1 | DSI0 | 26340 | 1880 | 23.75 | 24.7 | 1.245 | -0.06 | 0.107 | 0.133 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 50 | 0 | Right Cheek | 0mm | Sample 1 | DSI0 | 26340 | 1880 | 23.03 | 23.7 | 1.167 | 0.11 | 0.076 | 0.089 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 1 | 0 | Right Tilted | 0mm | Sample 1 | DSI0 | 26340 | 1880 | 23.75 | 24.7 | 1.245 | 0.02 | 0.065 | 0.081 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 50 | 0 | Right Tilted | 0mm | Sample 1 | DSI0 | 26340 | 1880 | 23.03 | 23.7 | 1.167 | -0.01 | 0.053 | 0.062 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 26340 | 1880 | 23.75 | 24.7 | 1.245 | -0.13 | 0.186 | 0.231 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 26140 | 1860 | 23.71 | 24.7 | 1.256 | -0.02 | 0.183 | 0.230 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 26590 | 1905 | 22.74 | 24.7 | 1.570 | -0.05 | 0.179 | 0.281 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 50 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 26140 | 1860 | 22.95 | 23.7 | 1.189 | 0.09 | 0.136 | 0.162 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 1 | 0 | Left Tilted | 0mm | Sample 1 | DSI0 | 26340 | 1880 | 23.75 | 24.7 | 1.245 | -0.17 | 0.081 | 0.101 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 50 | 0 | Left Tilted | 0mm | Sample 1 | DSI0 | 26340 | 1880 | 23.03 | 23.7 | 1.167 | -0.12 | 0.063 | 0.074 |
| 10 | LTE Band 25_Ant 4 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 2 | DSI0 | 26590 | 1905 | 22.74 | 24.7 | 1.570 | 0.14 | 0.183 | 0.287 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 3 | DSI0 | 26590 | 1905 | 22.74 | 24.7 | 1.570 | 0.1 | 0.137 | 0.215 |

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Sample | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LTE Band 26_Ant 4 | 15M | QPSK | 1 | 0 | Right Cheek | 0mm | Sample 1 | DSI0 | 26865 | 831.5 | 23.65 | 25.20 | 1.429 | -0.09 | 0.077 | 0.110 |
| | LTE Band 26_Ant 4 | 15M | QPSK | 36 | 0 | Right Cheek | 0mm | Sample 1 | DSI0 | 26865 | 831.5 | 23.44 | 24.20 | 1.191 | 0.02 | 0.077 | 0.092 |
| | LTE Band 26_Ant 4 | 15M | QPSK | 1 | 0 | Right Tilted | 0mm | Sample 1 | DSI0 | 26865 | 831.5 | 23.65 | 25.20 | 1.429 | 0.02 | 0.064 | 0.091 |
| | LTE Band 26_Ant 4 | 15M | QPSK | 36 | 0 | Right Tilted | 0mm | Sample 1 | DSI0 | 26865 | 831.5 | 23.44 | 24.20 | 1.191 | 0.01 | 0.051 | 0.061 |
| | LTE Band 26_Ant 4 | 15M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 26865 | 831.5 | 23.65 | 25.20 | 1.429 | -0.04 | 0.158 | 0.226 |
| | LTE Band 26_Ant 4 | 15M | QPSK | 36 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 26865 | 831.5 | 23.44 | 24.20 | 1.191 | -0.05 | 0.111 | 0.132 |
| | LTE Band 26_Ant 4 | 15M | QPSK | 1 | 0 | Left Tilted | 0mm | Sample 1 | DSI0 | 26865 | 831.5 | 23.65 | 25.20 | 1.429 | 0.09 | 0.068 | 0.097 |
| | LTE Band 26_Ant 4 | 15M | QPSK | 36 | 0 | Left Tilted | 0mm | Sample 1 | DSI0 | 26865 | 831.5 | 23.44 | 24.20 | 1.191 | 0.1 | 0.057 | 0.068 |
| 11 | LTE Band 26_Ant 4 | 15M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 2 | DSI0 | 26865 | 831.5 | 23.65 | 25.20 | 1.429 | 0.09 | 0.164 | 0.234 |
| | LTE Band 26_Ant 4 | 15M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 3 | DSI0 | 26865 | 831.5 | 23.65 | 25.20 | 1.429 | 0.02 | 0.132 | 0.189 |
| | LTE Band 5B_Ant 4 | 10M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 2 | DSI0 | 20575 | 841.5 | 25.09 | 25.20 | 1.026 | 0.02 | 0.160 | 0.164 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 1 | 0 | Right Cheek | 0mm | Sample 1 | DSI0 | 132572 | 1770 | 24.37 | 25.20 | 1.211 | 0.11 | 0.022 | 0.027 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 50 | 0 | Right Cheek | 0mm | Sample 1 | DSI0 | 132572 | 1770 | 23.53 | 24.20 | 1.167 | -0.03 | 0.018 | 0.021 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 1 | 0 | Right Tilted | 0mm | Sample 1 | DSI0 | 132572 | 1770 | 24.37 | 25.20 | 1.211 | 0.05 | 0.001 | 0.001 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 50 | 0 | Right Tilted | 0mm | Sample 1 | DSI0 | 132572 | 1770 | 23.53 | 24.20 | 1.167 | -0.1 | 0.001 | 0.001 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 132572 | 1770 | 24.37 | 25.20 | 1.211 | -0.06 | 0.025 | 0.030 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 132072 | 1720 | 24.00 | 25.20 | 1.318 | -0.14 | 0.006 | 0.008 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 132322 | 1745 | 24.11 | 25.20 | 1.285 | -0.02 | 0.005 | 0.006 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 50 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 132572 | 1770 | 23.53 | 24.20 | 1.167 | -0.02 | 0.019 | 0.022 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 1 | 0 | Left Tilted | 0mm | Sample 1 | DSI0 | 132572 | 1770 | 24.37 | 25.20 | 1.211 | -0.16 | 0.001 | 0.001 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 50 | 0 | Left Tilted | 0mm | Sample 1 | DSI0 | 132572 | 1770 | 23.53 | 24.20 | 1.167 | 0.08 | 0.001 | 0.001 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 2 | DSI0 | 132572 | 1770 | 24.37 | 25.20 | 1.211 | 0.11 | 0.016 | 0.019 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 3 | DSI0 | 132572 | 1770 | 24.37 | 25.20 | 1.211 | 0 | 0.016 | 0.019 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 1 | 0 | Right Cheek | 0mm | Sample 1 | DSI0 | 132572 | 1770 | 23.46 | 24.70 | 1.330 | 0.09 | 0.065 | 0.086 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 50 | 0 | Right Cheek | 0mm | Sample 1 | DSI0 | 132572 | 1770 | 22.57 | 23.70 | 1.297 | 0.08 | 0.055 | 0.071 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 1 | 0 | Right Tilted | 0mm | Sample 1 | DSI0 | 132572 | 1770 | 23.46 | 24.70 | 1.330 | -0.06 | 0.048 | 0.064 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 50 | 0 | Right Tilted | 0mm | Sample 1 | DSI0 | 132572 | 1770 | 22.57 | 23.70 | 1.297 | 0 | 0.042 | 0.054 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 132572 | 1770 | 23.46 | 24.70 | 1.330 | -0.16 | 0.134 | 0.178 |
| 12 | LTE Band 66_Ant 4 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 132072 | 1720 | 23.38 | 24.70 | 1.355 | -0.13 | 0.139 | 0.188 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 132322 | 1745 | 23.29 | 24.70 | 1.384 | -0.1 | 0.099 | 0.137 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 50 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 132572 | 1770 | 22.57 | 23.70 | 1.297 | -0.02 | 0.108 | 0.140 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 1 | 0 | Left Tilted | 0mm | Sample 1 | DSI0 | 132572 | 1770 | 23.46 | 24.70 | 1.330 | -0.11 | 0.067 | 0.089 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 50 | 0 | Left Tilted | 0mm | Sample 1 | DSI0 | 132572 | 1770 | 22.57 | 23.70 | 1.297 | -0.15 | 0.057 | 0.074 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 2 | DSI0 | 132072 | 1720 | 23.38 | 24.70 | 1.355 | 0.04 | 0.097 | 0.131 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 3 | DSI0 | 132072 | 1720 | 23.38 | 24.70 | 1.355 | -0.13 | 0.095 | 0.129 |
| | LTE Band 66B_Ant 4 | 15M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 132322 | 1720 | 23.57 | 24.70 | 1.297 | 0 | 0.136 | 0.176 |
| | LTE Band 66C_Ant 4 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 132322 | 1720 | 23.86 | 24.70 | 1.213 | 0.02 | 0.144 | 0.175 |
| | LTE Band 71_Ant 0 | 20M | QPSK | 1 | 0 | Right Cheek | 0mm | Sample 1 | DSI0 | 133297 | 680.5 | 23.70 | 24.70 | 1.259 | -0.08 | 0.086 | 0.108 |
| | LTE Band 71_Ant 0 | 20M | QPSK | 50 | 0 | Right Cheek | 0mm | Sample 1 | DSI0 | 133297 | 680.5 | 22.68 | 23.70 | 1.265 | -0.07 | 0.080 | 0.101 |
| | LTE Band 71_Ant 0 | 20M | QPSK | 1 | 0 | Right Tilted | 0mm | Sample 1 | DSI0 | 133297 | 680.5 | 23.70 | 24.70 | 1.259 | -0.07 | 0.055 | 0.069 |
| | LTE Band 71_Ant 0 | 20M | QPSK | 50 | 0 | Right Tilted | 0mm | Sample 1 | DSI0 | 133297 | 680.5 | 22.68 | 23.70 | 1.265 | -0.06 | 0.049 | 0.062 |
| | LTE Band 71_Ant 0 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 133297 | 680.5 | 23.70 | 24.70 | 1.259 | -0.18 | 0.087 | 0.110 |
| | LTE Band 71_Ant 0 | 20M | QPSK | 50 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 133297 | 680.5 | 22.68 | 23.70 | 1.265 | 0.04 | 0.069 | 0.087 |
| | LTE Band 71_Ant 0 | 20M | QPSK | 1 | 0 | Left Tilted | 0mm | Sample 1 | DSI0 | 133297 | 680.5 | 23.70 | 24.70 | 1.259 | 0.05 | 0.073 | 0.092 |
| | LTE Band 71_Ant 0 | 20M | QPSK | 50 | 0 | Left Tilted | 0mm | Sample 1 | DSI0 | 133297 | 680.5 | 22.68 | 23.70 | 1.265 | -0.16 | 0.064 | 0.081 |
| | LTE Band 71_Ant 0 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 2 | DSI0 | 133297 | 680.5 | 23.70 | 24.70 | 1.259 | -0.03 | 0.170 | 0.214 |
| 13 | LTE Band 71_Ant 0 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 3 | DSI0 | 133297 | 680.5 | 23.70 | 24.70 | 1.259 | 0.01 | 0.171 | 0.215 |

## <TDD LTE SAR>

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Sample | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Right Cheek | 0mm | Sample 1 | DSI0 | 41055 | 2636.5 | 24.34 | 25.00 | 1.164 | 62.9 | 1.006 | 0.08 | 0.043 | 0.050 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 50 | 0 | Right Cheek | 0mm | Sample 1 | DSI0 | 41055 | 2636.5 | 23.19 | 24.00 | 1.205 | 62.9 | 1.006 | -0.13 | 0.033 | 0.040 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Right Tilted | 0mm | Sample 1 | DSI0 | 41055 | 2636.5 | 24.34 | 25.00 | 1.164 | 62.9 | 1.006 | 0.01 | 0.001 | 0.001 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 50 | 0 | Right Tilted | 0mm | Sample 1 | DSI0 | 41055 | 2636.5 | 23.19 | 24.00 | 1.205 | 62.9 | 1.006 | -0.01 | 0.001 | 0.001 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 41055 | 2636.5 | 24.34 | 25.00 | 1.164 | 62.9 | 1.006 | -0.1 | 0.111 | 0.130 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 39750 | 2506 | 23.83 | 25.00 | 1.309 | 62.9 | 1.006 | 0.03 | 0.091 | 0.120 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 40185 | 2549.5 | 23.90 | 25.00 | 1.288 | 62.9 | 1.006 | -0.06 | 0.100 | 0.130 |
| 14 | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 41490 | 2680 | 24.22 | 25.00 | 1.197 | 62.9 | 1.006 | -0.12 | 0.109 | 0.131 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 40620 | 2593 | 24.20 | 25.00 | 1.202 | 62.9 | 1.006 | -0.16 | 0.088 | 0.106 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 39790 | 2510 | 23.81 | 25.00 | 1.315 | 62.9 | 1.006 | -0.06 | 0.090 | 0.119 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 50 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 41055 | 2636.5 | 23.19 | 24.00 | 1.205 | 62.9 | 1.006 | -0.07 | 0.094 | 0.114 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Left Tilted | 0mm | Sample 1 | DSI0 | 41055 | 2636.5 | 24.34 | 25.00 | 1.164 | 62.9 | 1.006 | 0 | 0.001 | 0.001 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 50 | 0 | Left Tilted | 0mm | Sample 1 | DSI0 | 41055 | 2636.5 | 23.19 | 24.00 | 1.205 | 62.9 | 1.006 | -0.18 | 0.001 | 0.001 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 2 | DSI0 | 41490 | 2680 | 24.22 | 25.00 | 1.197 | 62.9 | 1.006 | -0.18 | 0.079 | 0.095 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 3 | DSI0 | 41490 | 2680 | 24.22 | 25.00 | 1.197 | 62.9 | 1.006 | 0.02 | 0.055 | 0.066 |
| | LTE Band 41C_Ant 6 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 41490 | 2680 | 24.63 | 25.00 | 1.089 | 62.9 | 1.006 | -0.18 | 0.105 | 0.115 |
| | LTE Band 41_HPUE_Ant 6 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI0 | 41055 | 2636.5 | 26.97 | 27.00 | 1.007 | 42.9 | 1.009 | -0.17 | 0.127 | 0.129 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Right Cheek | 0mm | Sample 1 | DSI2 | 55340 | 3560 | 21.81 | 21.80 | 0.998 | 62.9 | 1.006 | -0.13 | 0.792 | 0.795 |
| 15 | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Right Cheek | 0mm | Sample 1 | DSI2 | 55830 | 3609 | 21.45 | 21.80 | 1.084 | 62.9 | 1.006 | 0.12 | 0.773 | 0.843 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Right Cheek | 0mm | Sample 1 | DSI2 | 56150 | 3641 | 21.50 | 21.80 | 1.072 | 62.9 | 1.006 | -0.09 | 0.752 | 0.811 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Right Cheek | 0mm | Sample 1 | DSI2 | 56640 | 3690 | 21.80 | 21.80 | 1.000 | 62.9 | 1.006 | -0.19 | 0.702 | 0.706 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 50 | 0 | Right Cheek | 0mm | Sample 1 | DSI2 | 55340 | 3560 | 20.73 | 21.30 | 1.140 | 62.9 | 1.006 | 0.06 | 0.707 | 0.811 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 50 | 0 | Right Cheek | 0mm | Sample 1 | DSI2 | 55830 | 3609 | 20.21 | 21.30 | 1.285 | 62.9 | 1.006 | 0.07 | 0.621 | 0.803 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 50 | 0 | Right Cheek | 0mm | Sample 1 | DSI2 | 56150 | 3641 | 20.61 | 21.30 | 1.172 | 62.9 | 1.006 | -0.06 | 0.638 | 0.752 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 50 | 0 | Right Cheek | 0mm | Sample 1 | DSI2 | 56640 | 3690 | 20.72 | 21.30 | 1.143 | 62.9 | 1.006 | -0.12 | 0.658 | 0.757 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 100 | 0 | Right Cheek | 0mm | Sample 1 | DSI2 | 55340 | 3560 | 20.27 | 21.30 | 1.268 | 62.9 | 1.006 | -0.11 | 0.562 | 0.717 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Right Tilted | 0mm | Sample 1 | DSI2 | 55340 | 3560 | 21.81 | 21.80 | 0.998 | 62.9 | 1.006 | 0.05 | 0.161 | 0.162 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 50 | 0 | Right Tilted | 0mm | Sample 1 | DSI2 | 55340 | 3560 | 20.73 | 21.30 | 1.140 | 62.9 | 1.006 | -0.13 | 0.149 | 0.171 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI2 | 55340 | 3560 | 21.81 | 21.80 | 0.998 | 62.9 | 1.006 | -0.08 | 0.289 | 0.290 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 50 | 0 | Left Cheek | 0mm | Sample 1 | DSI2 | 55340 | 3560 | 20.73 | 21.30 | 1.140 | 62.9 | 1.006 | -0.05 | 0.269 | 0.309 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Left Tilted | 0mm | Sample 1 | DSI2 | 55340 | 3560 | 21.81 | 21.80 | 0.998 | 62.9 | 1.006 | 0.04 | 0.147 | 0.148 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 50 | 0 | Left Tilted | 0mm | Sample 1 | DSI2 | 55340 | 3560 | 20.73 | 21.30 | 1.140 | 62.9 | 1.006 | 0.02 | 0.129 | 0.148 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Right Cheek | 0mm | Sample 2 | DSI2 | 55830 | 3609 | 21.45 | 21.80 | 1.084 | 62.9 | 1.006 | 0.07 | 0.508 | 0.554 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Right Cheek | 0mm | Sample 3 | DSI2 | 55830 | 3609 | 21.45 | 21.80 | 1.084 | 62.9 | 1.006 | 0.11 | 0.746 | 0.813 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Right Cheek | 0mm | Sample 1 | DSI2 | 55340 | 3560 | 18.17 | 19.70 | 1.422 | 62.9 | 1.006 | -0.06 | 0.026 | 0.037 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 50 | 0 | Right Cheek | 0mm | Sample 1 | DSI2 | 55340 | 3560 | 18.11 | 19.70 | 1.442 | 62.9 | 1.006 | -0.1 | 0.022 | 0.032 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Right Tilted | 0mm | Sample 1 | DSI2 | 55340 | 3560 | 18.17 | 19.70 | 1.422 | 62.9 | 1.006 | 0.06 | 0.007 | 0.010 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 50 | 0 | Right Tilted | 0mm | Sample 1 | DSI2 | 55340 | 3560 | 18.11 | 19.70 | 1.442 | 62.9 | 1.006 | 0.01 | 0.006 | 0.009 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI2 | 55340 | 3560 | 18.17 | 19.70 | 1.422 | 62.9 | 1.006 | -0.08 | 0.110 | 0.157 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI2 | 55830 | 3609 | 18.15 | 19.70 | 1.429 | 62.9 | 1.006 | -0.06 | 0.116 | 0.167 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI2 | 56150 | 3641 | 18.13 | 19.70 | 1.435 | 62.9 | 1.006 | -0.1 | 0.096 | 0.139 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 1 | DSI2 | 56640 | 3690 | 17.82 | 19.70 | 1.542 | 62.9 | 1.006 | -0.08 | 0.100 | 0.155 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 50 | 0 | Left Cheek | 0mm | Sample 1 | DSI2 | 56640 | 3690 | 17.99 | 19.70 | 1.483 | 62.9 | 1.006 | -0.18 | 0.101 | 0.151 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Left Tilted | 0mm | Sample 1 | DSI2 | 55340 | 3560 | 18.17 | 19.70 | 1.422 | 62.9 | 1.006 | -0.02 | 0.009 | 0.013 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 50 | 0 | Left Tilted | 0mm | Sample 1 | DSI2 | 55340 | 3560 | 18.11 | 19.70 | 1.442 | 62.9 | 1.006 | 0 | 0.091 | 0.132 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 2 | DSI2 | 55830 | 3609 | 18.15 | 19.70 | 1.429 | 62.9 | 1.006 | -0.18 | 0.192 | 0.276 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 3 | DSI2 | 55830 | 3609 | 18.15 | 19.70 | 1.429 | 62.9 | 1.006 | 0.1 | 0.141 | 0.203 |
| | LTE Band 48C_Ant 11 | 20M | QPSK | 1 | 0 | Left Cheek | 0mm | Sample 2 | DSI2 | 55340 | 3560 | 18.36 | 19.70 | 1.361 | 62.9 | 1.006 | 0.07 | 0.141 | 0.193 |

## <5G NR SAR>

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Sample | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FR1 n7_Ant 6 | 20M | BPSK | 1 | 1 | Right Cheek | 0mm | Sample 1 | DSI0 | 507000 | 2535 | 22.77 | 24.00 | 1.327 | -0.09 | 0.042 | 0.056 |
| | FR1 n7_Ant 6 | 20M | BPSK | 50 | 28 | Right Cheek | 0mm | Sample 1 | DSI0 | 507000 | 2535 | 22.63 | 24.00 | 1.371 | 0.02 | 0.058 | 0.080 |
| | FR1 n7_Ant 6 | 20M | BPSK | 1 | 1 | Right Tilted | 0mm | Sample 1 | DSI0 | 507000 | 2535 | 22.77 | 24.00 | 1.327 | -0.05 | 0.001 | 0.001 |
| | FR1 n7_Ant 6 | 20M | BPSK | 50 | 28 | Right Tilted | 0mm | Sample 1 | DSI0 | 507000 | 2535 | 22.63 | 24.00 | 1.371 | -0.19 | 0.001 | 0.001 |
| | FR1 n7_Ant 6 | 20M | BPSK | 1 | 1 | Left Cheek | 0mm | Sample 1 | DSI0 | 507000 | 2535 | 22.77 | 24.00 | 1.327 | -0.14 | 0.100 | 0.133 |
| | FR1 n7_Ant 6 | 20M | BPSK | 50 | 28 | Left Cheek | 0mm | Sample 1 | DSI0 | 507000 | 2535 | 22.63 | 24.00 | 1.371 | -0.1 | 0.120 | 0.165 |
| | FR1 n7_Ant 6 | 20M | BPSK | 50 | 28 | Left Cheek | 0mm | Sample 1 | DSI0 | 502000 | 2510 | 22.51 | 24.00 | 1.409 | 0.015 | 0.106 | 0.149 |
| | FR1 n7_Ant 6 | 20M | BPSK | 50 | 28 | Left Cheek | 0mm | Sample 1 | DSI0 | 512000 | 2560 | 22.53 | 24.00 | 1.403 | -0.09 | 0.114 | 0.160 |
| | FR1 n7_Ant 6 | 20M | BPSK | 1 | 1 | Left Tilted | 0mm | Sample 1 | DSI0 | 507000 | 2535 | 22.77 | 24.00 | 1.327 | -0.13 | 0.001 | 0.001 |
| | FR1 n7_Ant 6 | 20M | BPSK | 50 | 28 | Left Tilted | 0mm | Sample 1 | DSI0 | 507000 | 2535 | 22.63 | 24.00 | 1.371 | -0.02 | 0.001 | 0.001 |
| 16 | FR1 n7_Ant 6 | 20M | BPSK | 50 | 28 | Left Cheek | 0mm | Sample 2 | DSI0 | 507000 | 2535 | 22.63 | 24.00 | 1.371 | 0.19 | 0.184 | 0.252 |
| | FR1 n7_Ant 6 | 20M | BPSK | 50 | 28 | Left Cheek | 0mm | Sample 3 | DSI0 | 507000 | 2535 | 22.63 | 24.00 | 1.371 | -0.06 | 0.148 | 0.203 |
| | FR1 n12_Ant 0 | 15M | BPSK | 1 | 1 | Right Cheek | 0mm | Sample 1 | DSI0 | 141500 | 707.5 | 24.62 | 24.70 | 1.019 | -0.14 | 0.098 | 0.100 |
| | FR1 n12_Ant 0 | 15M | BPSK | 36 | 22 | Right Cheek | 0mm | Sample 1 | DSI0 | 141500 | 707.5 | 24.14 | 24.70 | 1.138 | -0.11 | 0.092 | 0.105 |
| | FR1 n12_Ant 0 | 15M | BPSK | 1 | 1 | Right Tilted | 0mm | Sample 1 | DSI0 | 141500 | 707.5 | 24.62 | 24.70 | 1.019 | 0.05 | 0.059 | 0.060 |
| | FR1 n12_Ant 0 | 15M | BPSK | 36 | 22 | Right Tilted | 0mm | Sample 1 | DSI0 | 141500 | 707.5 | 24.14 | 24.70 | 1.138 | -0.18 | 0.050 | 0.057 |
| | FR1 n12_Ant 0 | 15M | BPSK | 1 | 1 | Left Cheek | 0mm | Sample 1 | DSI0 | 141500 | 707.5 | 24.62 | 24.70 | 1.019 | 0.09 | 0.084 | 0.086 |
| | FR1 n12_Ant 0 | 15M | BPSK | 36 | 22 | Left Cheek | 0mm | Sample 1 | DSI0 | 141500 | 707.5 | 24.14 | 24.70 | 1.138 | -0.1 | 0.083 | 0.094 |
| | FR1 n12_Ant 0 | 15M | BPSK | 1 | 1 | Left Tilted | 0mm | Sample 1 | DSI0 | 141500 | 707.5 | 24.62 | 24.70 | 1.019 | -0.04 | 0.059 | 0.060 |
| | FR1 n12_Ant 0 | 15M | BPSK | 36 | 22 | Left Tilted | 0mm | Sample 1 | DSI0 | 141500 | 707.5 | 24.14 | 24.70 | 1.138 | -0.05 | 0.050 | 0.057 |
| 17 | FR1 n12_Ant 0 | 15M | BPSK | 36 | 22 | Right Cheek | 0mm | Sample 2 | DSI0 | 141500 | 707.5 | 24.14 | 24.70 | 1.138 | -0.15 | 0.161 | 0.183 |
| | FR1 n12_Ant 0 | 15M | BPSK | 36 | 22 | Right Cheek | 0mm | Sample 3 | DSI0 | 141500 | 707.5 | 24.14 | 24.70 | 1.138 | -0.17 | 0.151 | 0.172 |
| | FR1 n13_Ant 0 | 10M | BPSK | 1 | 1 | Right Cheek | 0mm | Sample 1 | DSI0 | 156400 | 782 | 23.67 | 24.50 | 1.211 | 0 | 0.208 | 0.252 |
| | FR1 n13_Ant 0 | 10M | BPSK | 25 | 14 | Right Cheek | 0mm | Sample 1 | DSI0 | 156400 | 782 | 23.54 | 24.50 | 1.247 | 0.01 | 0.205 | 0.256 |
| | FR1 n13_Ant 0 | 10M | BPSK | 1 | 1 | Right Tilted | 0mm | Sample 1 | DSI0 | 156400 | 782 | 23.67 | 24.50 | 1.211 | 0.1 | 0.130 | 0.157 |
| | FR1 n13_Ant 0 | 10M | BPSK | 25 | 14 | Right Tilted | 0mm | Sample 1 | DSI0 | 156400 | 782 | 23.54 | 24.50 | 1.247 | -0.11 | 0.128 | 0.160 |
| | FR1 n13_Ant 0 | 10M | BPSK | 1 | 1 | Left Cheek | 0mm | Sample 1 | DSI0 | 156400 | 782 | 23.67 | 24.50 | 1.211 | -0.16 | 0.201 | 0.243 |
| | FR1 n13_Ant 0 | 10M | BPSK | 25 | 14 | Left Cheek | 0mm | Sample 1 | DSI0 | 156400 | 782 | 23.54 | 24.50 | 1.247 | -0.09 | 0.177 | 0.221 |
| | FR1 n13_Ant 0 | 10M | BPSK | 1 | 1 | Left Tilted | 0mm | Sample 1 | DSI0 | 156400 | 782 | 23.67 | 24.50 | 1.211 | 0.02 | 0.124 | 0.150 |
| | FR1 n13_Ant 0 | 10M | BPSK | 25 | 14 | Left Tilted | 0mm | Sample 1 | DSI0 | 156400 | 782 | 23.54 | 24.50 | 1.247 | -0.13 | 0.109 | 0.136 |
| 18 | FR1 n13_Ant 0 | 10M | BPSK | 25 | 14 | Right Cheek | 0mm | Sample 2 | DSI0 | 156400 | 782 | 23.54 | 24.50 | 1.247 | -0.14 | 0.228 | 0.284 |
| | FR1 n13_Ant 0 | 10M | BPSK | 25 | 14 | Right Cheek | 0mm | Sample 3 | DSI0 | 156400 | 782 | 23.54 | 24.50 | 1.247 | -0.18 | 0.206 | 0.257 |
| | FR1 n14_Ant 0 | 10M | BPSK | 1 | 1 | Right Cheek | 0mm | Sample 1 | DSI0 | 158600 | 793 | 23.86 | 24.70 | 1.213 | -0.1 | 0.421 | 0.511 |
| 19 | FR1 n14_Ant 0 | 10M | BPSK | 25 | 14 | Right Cheek | 0mm | Sample 1 | DSI0 | 158600 | 793 | 23.79 | 24.70 | 1.233 | -0.15 | 0.443 | 0.546 |
| | FR1 n14_Ant 0 | 10M | BPSK | 1 | 1 | Right Tilted | 0mm | Sample 1 | DSI0 | 158600 | 793 | 23.86 | 24.70 | 1.213 | -0.17 | 0.227 | 0.275 |
| | FR1 n14_Ant 0 | 10M | BPSK | 25 | 14 | Right Tilted | 0mm | Sample 1 | DSI0 | 158600 | 793 | 23.79 | 24.70 | 1.233 | -0.15 | 0.255 | 0.314 |
| | FR1 n14_Ant 0 | 10M | BPSK | 1 | 1 | Left Cheek | 0mm | Sample 1 | DSI0 | 158600 | 793 | 23.86 | 24.70 | 1.213 | 0.01 | 0.383 | 0.465 |
| | FR1 n14_Ant 0 | 10M | BPSK | 25 | 14 | Left Cheek | 0mm | Sample 1 | DSI0 | 158600 | 793 | 23.79 | 24.70 | 1.233 | 0.07 | 0.429 | 0.529 |
| | FR1 n14_Ant 0 | 10M | BPSK | 1 | 1 | Left Tilted | 0mm | Sample 1 | DSI0 | 158600 | 793 | 23.86 | 24.70 | 1.213 | -0.08 | 0.236 | 0.286 |
| | FR1 n14_Ant 0 | 10M | BPSK | 25 | 14 | Left Tilted | 0mm | Sample 1 | DSI0 | 158600 | 793 | 23.79 | 24.70 | 1.233 | -0.08 | 0.250 | 0.308 |
| | FR1 n14_Ant 0 | 10M | BPSK | 25 | 14 | Right Cheek | 0mm | Sample 2 | DSI0 | 158600 | 793 | 23.79 | 24.70 | 1.233 | 0.1 | 0.344 | 0.424 |
| | FR1 n14_Ant 0 | 10M | BPSK | 25 | 14 | Right Cheek | 0mm | Sample 3 | DSI0 | 158600 | 793 | 23.79 | 24.70 | 1.233 | -0.18 | 0.359 | 0.443 |

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Sample | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FR1 n25_Ant 2 | 20M | BPSK | 1 | 1 | Right Cheek | 0mm | Sample 1 | DSI0 | 376500 | 1882.5 | 24.87 | 25.20 | 1.079 | 0.08 | 0.082 | 0.088 |
| | FR1 n25_Ant 2 | 20M | BPSK | 50 | 28 | Right Cheek | 0mm | Sample 1 | DSI0 | 376500 | 1882.5 | 24.65 | 25.20 | 1.135 | -0.03 | 0.093 | 0.106 |
| | FR1 n25_Ant 2 | 20M | BPSK | 50 | 28 | Right Cheek | 0mm | Sample 1 | DSI0 | 372000 | 1860 | 24.58 | 25.20 | 1.153 | 0.05 | 0.090 | 0.104 |
| | FR1 n25_Ant 2 | 20M | BPSK | 50 | 28 | Right Cheek | 0mm | Sample 1 | DSI0 | 381000 | 1905 | 24.60 | 25.20 | 1.148 | -0.17 | 0.087 | 0.100 |
| | FR1 n25_Ant 2 | 20M | BPSK | 1 | 1 | Right Tilted | 0mm | Sample 1 | DSI0 | 376500 | 1882.5 | 24.87 | 25.20 | 1.079 | -0.03 | 0.040 | 0.043 |
| | FR1 n25_Ant 2 | 20M | BPSK | 50 | 28 | Right Tilted | 0mm | Sample 1 | DSI0 | 376500 | 1882.5 | 24.65 | 25.20 | 1.135 | -0.14 | 0.045 | 0.051 |
| | FR1 n25_Ant 2 | 20M | BPSK | 1 | 1 | Left Cheek | 0mm | Sample 1 | DSI0 | 376500 | 1882.5 | 24.87 | 25.20 | 1.079 | -0.12 | 0.070 | 0.076 |
| | FR1 n25_Ant 2 | 20M | BPSK | 50 | 28 | Left Cheek | 0mm | Sample 1 | DSI0 | 376500 | 1882.5 | 24.65 | 25.20 | 1.135 | -0.05 | 0.086 | 0.098 |
| | FR1 n25_Ant 2 | 20M | BPSK | 1 | 1 | Left Tilted | 0mm | Sample 1 | DSI0 | 376500 | 1882.5 | 24.87 | 25.20 | 1.079 | -0.02 | 0.057 | 0.061 |
| | FR1 n25_Ant 2 | 20M | BPSK | 50 | 28 | Left Tilted | 0mm | Sample 1 | DSI0 | 376500 | 1882.5 | 24.65 | 25.20 | 1.135 | -0.09 | 0.065 | 0.074 |
| | FR1 n25_Ant 2 | 20M | BPSK | 50 | 28 | Right Cheek | 0mm | Sample 2 | DSI0 | 376500 | 1882.5 | 24.65 | 25.20 | 1.135 | -0.1 | 0.098 | 0.111 |
| | FR1 n25_Ant 2 | 20M | BPSK | 50 | 28 | Right Cheek | 0mm | Sample 3 | DSI0 | 376500 | 1882.5 | 24.65 | 25.20 | 1.135 | 0.07 | 0.076 | 0.086 |
| | FR1 n25_Ant 4 | 20M | BPSK | 1 | 1 | Right Cheek | 0mm | Sample 1 | DSI0 | 376500 | 1882.5 | 24.57 | 25.20 | 1.156 | 0.11 | 0.108 | 0.125 |
| | FR1 n25_Ant 4 | 20M | BPSK | 50 | 28 | Right Cheek | 0mm | Sample 1 | DSI0 | 376500 | 1882.5 | 24.39 | 25.20 | 1.205 | -0.11 | 0.117 | 0.141 |
| | FR1 n25_Ant 4 | 20M | BPSK | 50 | 28 | Right Cheek | 0mm | Sample 1 | DSI0 | 372000 | 1860 | 24.37 | 25.20 | 1.211 | 0.05 | 0.111 | 0.134 |
| | FR1 n25_Ant 4 | 20M | BPSK | 50 | 28 | Right Cheek | 0mm | Sample 1 | DSI0 | 381000 | 1905 | 24.38 | 25.20 | 1.208 | -0.06 | 0.108 | 0.130 |
| | FR1 n25_Ant 4 | 20M | BPSK | 1 | 1 | Right Tilted | 0mm | Sample 1 | DSI0 | 376500 | 1882.5 | 24.57 | 25.20 | 1.156 | 0.11 | 0.061 | 0.071 |
| | FR1 n25_Ant 4 | 20M | BPSK | 50 | 28 | Right Tilted | 0mm | Sample 1 | DSI0 | 376500 | 1882.5 | 24.39 | 25.20 | 1.205 | 0.01 | 0.053 | 0.064 |
| | FR1 n25_Ant 4 | 20M | BPSK | 1 | 1 | Left Cheek | 0mm | Sample 1 | DSI0 | 376500 | 1882.5 | 24.57 | 25.20 | 1.156 | 0.08 | 0.105 | 0.121 |
| | FR1 n25_Ant 4 | 20M | BPSK | 50 | 28 | Left Cheek | 0mm | Sample 1 | DSI0 | 376500 | 1882.5 | 24.39 | 25.20 | 1.205 | 0.04 | 0.099 | 0.119 |
| | FR1 n25_Ant 4 | 20M | BPSK | 1 | 1 | Left Tilted | 0mm | Sample 1 | DSI0 | 376500 | 1882.5 | 24.57 | 25.20 | 1.156 | -0.18 | 0.075 | 0.087 |
| | FR1 n25_Ant 4 | 20M | BPSK | 50 | 28 | Left Tilted | 0mm | Sample 1 | DSI0 | 376500 | 1882.5 | 24.39 | 25.20 | 1.205 | -0.05 | 0.069 | 0.083 |
| 20 | FR1 n25_Ant 4 | 20M | BPSK | 50 | 28 | Right Cheek | 0mm | Sample 2 | DSI0 | 376500 | 1882.5 | 24.39 | 25.20 | 1.205 | -0.16 | 0.168 | 0.202 |
| | FR1 n25_Ant 4 | 20M | BPSK | 50 | 28 | Right Cheek | 0mm | Sample 3 | DSI0 | 376500 | 1882.5 | 24.39 | 25.20 | 1.205 | 0.01 | 0.147 | 0.177 |
| | FR1 n26_Ant 4 | 20M | BPSK | 1 | 1 | Right Cheek | 0mm | Sample 1 | DSI0 | 166300 | 831.5 | 24.46 | 25.20 | 1.186 | 0.08 | 0.174 | 0.206 |
| | FR1 n26_Ant 4 | 20M | BPSK | 50 | 28 | Right Cheek | 0mm | Sample 1 | DSI0 | 166300 | 831.5 | 24.20 | 25.20 | 1.259 | -0.13 | 0.201 | 0.253 |
| | FR1 n26_Ant 4 | 20M | BPSK | 1 | 1 | Right Tilted | 0mm | Sample 1 | DSI0 | 166300 | 831.5 | 24.46 | 25.20 | 1.186 | 0.08 | 0.115 | 0.136 |
| | FR1 n26_Ant 4 | 20M | BPSK | 50 | 28 | Right Tilted | 0mm | Sample 1 | DSI0 | 166300 | 831.5 | 24.20 | 25.20 | 1.259 | -0.08 | 0.127 | 0.160 |
| | FR1 n26_Ant 4 | 20M | BPSK | 1 | 1 | Left Cheek | 0mm | Sample 1 | DSI0 | 166300 | 831.5 | 24.46 | 25.20 | 1.186 | -0.13 | 0.237 | 0.281 |
| 21 | FR1 n26_Ant 4 | 20M | BPSK | 50 | 28 | Left Cheek | 0mm | Sample 1 | DSI0 | 166300 | 831.5 | 24.20 | 25.20 | 1.259 | -0.06 | 0.264 | 0.332 |
| | FR1 n26_Ant 4 | 20M | BPSK | 1 | 1 | Left Tilted | 0mm | Sample 1 | DSI0 | 166300 | 831.5 | 24.46 | 25.20 | 1.186 | 0.07 | 0.158 | 0.187 |
| | FR1 n26_Ant 4 | 20M | BPSK | 50 | 28 | Left Tilted | 0mm | Sample 1 | DSI0 | 166300 | 831.5 | 24.20 | 25.20 | 1.259 | -0.12 | 0.176 | 0.222 |
| | FR1 n26_Ant 4 | 20M | BPSK | 50 | 28 | Left Cheek | 0mm | Sample 2 | DSI0 | 166300 | 831.5 | 24.20 | 25.20 | 1.259 | -0.05 | 0.173 | 0.218 |
| | FR1 n26_Ant 4 | 20M | BPSK | 50 | 28 | Left Cheek | 0mm | Sample 3 | DSI0 | 166300 | 831.5 | 24.20 | 25.20 | 1.259 | -0.18 | 0.163 | 0.205 |

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Sample | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 1 | 1 | Right Cheek | 0mm | Sample 1 | DSI0 | 518598 | 2592.99 | 26.10 | 27.00 | 1.230 | -0.09 | 0.075 | 0.092 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 135 | 69 | Right Cheek | 0mm | Sample 1 | DSI0 | 518598 | 2592.99 | 26.48 | 27.00 | 1.127 | -0.18 | 0.065 | 0.073 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 1 | 1 | Right Tilted | 0mm | Sample 1 | DSI0 | 518598 | 2592.99 | 26.10 | 27.00 | 1.230 | -0.18 | 0.034 | 0.042 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 135 | 69 | Right Tilted | 0mm | Sample 1 | DSI0 | 518598 | 2592.99 | 26.48 | 27.00 | 1.127 | -0.14 | 0.034 | 0.038 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 1 | 1 | Left Cheek | 0mm | Sample 1 | DSI0 | 518598 | 2592.99 | 26.10 | 27.00 | 1.230 | 0.1 | 0.192 | 0.236 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 135 | 69 | Left Cheek | 0mm | Sample 1 | DSI0 | 518598 | 2592.99 | 26.48 | 27.00 | 1.127 | -0.17 | 0.153 | 0.172 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 1 | 1 | Left Tilted | 0mm | Sample 1 | DSI0 | 518598 | 2592.99 | 26.10 | 27.00 | 1.230 | -0.08 | 0.001 | 0.001 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 135 | 69 | Left Tilted | 0mm | Sample 1 | DSI0 | 518598 | 2592.99 | 26.48 | 27.00 | 1.127 | -0.12 | 0.034 | 0.038 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 1 | 1 | Left Cheek | 0mm | Sample 2 | DSI0 | 518598 | 2592.99 | 26.10 | 27.00 | 1.230 | -0.06 | 0.209 | 0.257 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 1 | 1 | Left Cheek | 0mm | Sample 3 | DSI0 | 518598 | 2592.99 | 26.10 | 27.00 | 1.230 | 0.1 | 0.189 | 0.233 |
| | FR1 n41_HPUE_Ant 12 | 100M | CW | - | - | Right Cheek | 0mm | Sample 1 | DSI2 | 518598 | 2592.99 | 23.56 | 24.50 | 1.242 | -0.19 | 0.615 | 0.764 |
| | FR1 n41_HPUE_Ant 12 | 100M | CW | - | - | Right Tilted | 0mm | Sample 1 | DSI2 | 518598 | 2592.99 | 23.56 | 24.50 | 1.242 | -0.12 | 0.151 | 0.187 |
| | FR1 n41_HPUE_Ant 12 | 100M | CW | - | - | Left Cheek | 0mm | Sample 1 | DSI2 | 518598 | 2592.99 | 23.56 | 24.50 | 1.242 | 0.08 | 0.273 | 0.339 |
| | FR1 n41_HPUE_Ant 12 | 100M | CW | - | - | Left Tilted | 0mm | Sample 1 | DSI2 | 518598 | 2592.99 | 23.56 | 24.50 | 1.242 | -0.12 | 0.178 | 0.221 |
| | FR1 n41_HPUE_Ant 12 | 100M | CW | - | - | Right Cheek | 0mm | Sample 2 | DSI2 | 518598 | 2592.99 | 23.56 | 24.50 | 1.242 | -0.1 | 0.675 | 0.838 |
| | FR1 n41_HPUE_Ant 12 | 100M | CW | - | - | Right Cheek | 0mm | Sample 3 | DSI2 | 518598 | 2592.99 | 23.56 | 24.50 | 1.242 | 0.04 | 0.601 | 0.746 |
| 22 | FR1 n41_HPUE_Ant 1 | 100M | CW | - | - | Right Cheek | 0mm | Sample 1 | DSI2 | 518598 | 2592.99 | 20.98 | 21.40 | 1.102 | -0.02 | 0.832 | 0.916 |
| | FR1 n41_HPUE_Ant 1 | 100M | CW | - | - | Right Tilted | 0mm | Sample 1 | DSI2 | 518598 | 2592.99 | 20.98 | 21.40 | 1.102 | -0.08 | 0.655 | 0.722 |
| | FR1 n41_HPUE_Ant 1 | 100M | CW | - | - | Left Cheek | 0mm | Sample 1 | DSI2 | 518598 | 2592.99 | 20.98 | 21.40 | 1.102 | 0.08 | 0.537 | 0.592 |
| | FR1 n41_HPUE_Ant 1 | 100M | CW | - | - | Left Tilted | 0mm | Sample 1 | DSI2 | 518598 | 2592.99 | 20.98 | 21.40 | 1.102 | -0.15 | 0.445 | 0.490 |
| | FR1 n41_HPUE_Ant 1 | 100M | CW | - | - | Right Cheek | 0mm | Sample 2 | DSI2 | 518598 | 2592.99 | 20.98 | 21.40 | 1.102 | 0.11 | 0.684 | 0.753 |
| | FR1 n41_HPUE_Ant 1 | 100M | CW | - | - | Right Cheek | 0mm | Sample 3 | DSI2 | 518598 | 2592.99 | 20.98 | 21.40 | 1.102 | 0.11 | 0.640 | 0.705 |
| | FR1 n41_HPUE_Ant 7 | 100M | CW | - | - | Right Cheek | 0mm | Sample 1 | DSI2 | 518598 | 2592.99 | 22.93 | 23.10 | 1.040 | -0.17 | 0.103 | 0.107 |
| | FR1 n41_HPUE_Ant 7 | 100M | CW | - | - | Right Tilted | 0mm | Sample 1 | DSI2 | 518598 | 2592.99 | 22.93 | 23.10 | 1.040 | 0.03 | 0.020 | 0.021 |
| | FR1 n41_HPUE_Ant 7 | 100M | CW | - | - | Left Cheek | 0mm | Sample 1 | DSI2 | 518598 | 2592.99 | 22.93 | 23.10 | 1.040 | -0.04 | 0.198 | 0.206 |
| | FR1 n41_HPUE_Ant 7 | 100M | CW | - | - | Left Tilted | 0mm | Sample 1 | DSI2 | 518598 | 2592.99 | 22.93 | 23.10 | 1.040 | -0.12 | 0.021 | 0.022 |
| | FR1 n41_HPUE_Ant 7 | 100M | CW | - | - | Left Cheek | 0mm | Sample 2 | DSI2 | 518598 | 2592.99 | 22.93 | 23.10 | 1.040 | -0.06 | 0.155 | 0.161 |
| | FR1 n41_HPUE_Ant 7 | 100M | CW | - | - | Left Cheek | 0mm | Sample 3 | DSI2 | 518598 | 2592.99 | 22.93 | 23.10 | 1.040 | -0.14 | 0.210 | 0.218 |
| | FR1 n48_Ant 12 | 40M | BPSK | 1 | 1 | Right Cheek | 0mm | Sample 1 | DSI2 | 641666 | 3624.99 | 21.3 | 21.6 | 1.072 | 0.06 | 0.769 | 0.824 |
| | FR1 n48_Ant 12 | 40M | BPSK | 50 | 28 | Right Cheek | 0mm | Sample 1 | DSI2 | 641666 | 3624.99 | 21.29 | 21.6 | 1.074 | 0.1 | 0.812 | 0.872 |
| | FR1 n48_Ant 12 | 40M | BPSK | 50 | 28 | Right Cheek | 0mm | Sample 1 | DSI2 | 638000 | 3570 | 21.12 | 21.6 | 1.117 | -0.1 | 0.799 | 0.892 |
| | FR1 n48_Ant 12 | 40M | BPSK | 50 | 28 | Right Cheek | 0mm | Sample 1 | DSI2 | 645332 | 3679.98 | 21.04 | 21.6 | 1.138 | -0.16 | 0.787 | 0.895 |
| | FR1 n48_Ant 12 | 40M | BPSK | 100 | 0 | Right Cheek | 0mm | Sample 1 | DSI2 | 641666 | 3624.99 | 21.02 | 21.1 | 1.019 | 0.08 | 0.731 | 0.745 |
| | FR1 n48_Ant 12 | 40M | BPSK | 1 | 1 | Right Tilted | 0mm | Sample 1 | DSI2 | 641666 | 3624.99 | 21.3 | 21.6 | 1.072 | 0.11 | 0.180 | 0.193 |
| | FR1 n48_Ant 12 | 40M | BPSK | 50 | 28 | Right Tilted | 0mm | Sample 1 | DSI2 | 641666 | 3624.99 | 21.29 | 21.6 | 1.074 | -0.17 | 0.176 | 0.189 |
| | FR1 n48_Ant 12 | 40M | BPSK | 1 | 1 | Left Cheek | 0mm | Sample 1 | DSI2 | 641666 | 3624.99 | 21.3 | 21.6 | 1.072 | -0.12 | 0.283 | 0.303 |
| | FR1 n48_Ant 12 | 40M | BPSK | 50 | 28 | Left Cheek | 0mm | Sample 1 | DSI2 | 641666 | 3624.99 | 21.29 | 21.6 | 1.074 | -0.16 | 0.290 | 0.311 |
| | FR1 n48_Ant 12 | 40M | BPSK | 1 | 1 | Left Tilted | 0mm | Sample 1 | DSI2 | 641666 | 3624.99 | 21.3 | 21.6 | 1.072 | 0.1 | 0.132 | 0.141 |
| | FR1 n48_Ant 12 | 40M | BPSK | 50 | 28 | Left Tilted | 0mm | Sample 1 | DSI2 | 641666 | 3624.99 | 21.29 | 21.6 | 1.074 | -0.08 | 0.127 | 0.136 |
| 23 | FR1 n48_Ant 12 | 40M | BPSK | 50 | 28 | Right Cheek | 0mm | Sample 2 | DSI2 | 641666 | 3624.99 | 21.29 | 21.6 | 1.074 | -0.08 | 0.858 | 0.921 |
| | FR1 n48_Ant 12 | 40M | BPSK | 50 | 28 | Right Cheek | 0mm | Sample 3 | DSI2 | 641666 | 3624.99 | 21.29 | 21.6 | 1.074 | -0.12 | 0.849 | 0.912 |
| | FR1 n48_Ant 11 | 40M | BPSK | 1 | 1 | Right Cheek | 0mm | Sample 1 | DSI0 | 641666 | 3624.99 | 21.93 | 22 | 1.016 | -0.14 | 0.081 | 0.082 |
| | FR1 n48_Ant 11 | 40M | BPSK | 50 | 28 | Right Cheek | 0mm | Sample 1 | DSI0 | 641666 | 3624.99 | 21.51 | 22 | 1.119 | 0.04 | 0.079 | 0.088 |
| | FR1 n48_Ant 11 | 40M | BPSK | 1 | 1 | Right Tilted | 0mm | Sample 1 | DSI0 | 641666 | 3624.99 | 21.93 | 22 | 1.016 | -0.02 | 0.020 | 0.020 |
| | FR1 n48_Ant 11 | 40M | BPSK | 50 | 28 | Right Tilted | 0mm | Sample 1 | DSI0 | 641666 | 3624.99 | 21.51 | 22 | 1.119 | 0.09 | 0.019 | 0.021 |
| | FR1 n48_Ant 11 | 40M | BPSK | 1 | 1 | Left Cheek | 0mm | Sample 1 | DSI0 | 641666 | 3624.99 | 21.93 | 22 | 1.016 | -0.12 | 0.291 | 0.296 |
| | FR1 n48_Ant 11 | 40M | BPSK | 50 | 28 | Left Cheek | 0mm | Sample 1 | DSI0 | 638000 | 3570 | 21.41 | 22 | 1.146 | 0.02 | 0.311 | 0.356 |
| | FR1 n48_Ant 11 | 40M | BPSK | 50 | 28 | Left Cheek | 0mm | Sample 1 | DSI0 | 645332 | 3679.98 | 21.33 | 22 | 1.167 | 0.09 | 0.286 | 0.334 |
| | FR1 n48_Ant 11 | 40M | BPSK | 50 | 28 | Left Cheek | 0mm | Sample 1 | DSI0 | 641666 | 3624.99 | 21.51 | 22 | 1.119 | -0.15 | 0.296 | 0.331 |
| | FR1 n48_Ant 11 | 40M | BPSK | 1 | 1 | Left Tilted | 0mm | Sample 1 | DSI0 | 641666 | 3624.99 | 21.93 | 22 | 1.016 | -0.07 | 0.033 | 0.034 |
| | FR1 n48_Ant 11 | 40M | BPSK | 50 | 28 | Left Tilted | 0mm | Sample 1 | DSI0 | 641666 | 3624.99 | 21.51 | 22 | 1.119 | 0.11 | 0.033 | 0.037 |
| | FR1 n48_Ant 11 | 40M | BPSK | 50 | 28 | Left Cheek | 0mm | Sample 2 | DSI0 | 638000 | 3570 | 21.41 | 22 | 1.146 | 0 | 0.626 | 0.717 |
| | FR1 n48_Ant 11 | 40M | BPSK | 50 | 28 | Left Cheek | 0mm | Sample 3 | DSI0 | 638000 | 3570 | 21.41 | 22 | 1.146 | -0.18 | 0.481 | 0.551 |

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Sample | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FR1 n66_Ant 2 | 40M | BPSK | 1 | 1 | Right Cheek | 0mm | Sample 1 | DSI0 | 349000 | 1745 | 24.42 | 25.20 | 1.197 | -0.04 | 0.021 | 0.025 |
| | FR1 n66_Ant 2 | 40M | BPSK | 108 | 54 | Right Cheek | 0mm | Sample 1 | DSI0 | 349000 | 1745 | 24.11 | 25.20 | 1.285 | 0.09 | 0.019 | 0.024 |
| | FR1 n66_Ant 2 | 40M | BPSK | 1 | 1 | Right Tilted | 0mm | Sample 1 | DSI0 | 349000 | 1745 | 24.42 | 25.20 | 1.197 | -0.18 | 0.001 | 0.001 |
| | FR1 n66_Ant 2 | 40M | BPSK | 108 | 54 | Right Tilted | 0mm | Sample 1 | DSI0 | 349000 | 1745 | 24.11 | 25.20 | 1.285 | 0.11 | 0.001 | 0.001 |
| | FR1 n66_Ant 2 | 40M | BPSK | 1 | 1 | Left Cheek | 0mm | Sample 1 | DSI0 | 349000 | 1745 | 24.42 | 25.20 | 1.197 | 0.07 | 0.021 | 0.025 |
| | FR1 n66_Ant 2 | 40M | BPSK | 108 | 54 | Left Cheek | 0mm | Sample 1 | DSI0 | 349000 | 1745 | 24.11 | 25.20 | 1.285 | -0.14 | 0.023 | 0.030 |
| | FR1 n66_Ant 2 | 40M | BPSK | 1 | 1 | Left Tilted | 0mm | Sample 1 | DSI0 | 349000 | 1745 | 24.42 | 25.20 | 1.197 | -0.04 | 0.001 | 0.001 |
| | FR1 n66_Ant 2 | 40M | BPSK | 108 | 54 | Left Tilted | 0mm | Sample 1 | DSI0 | 349000 | 1745 | 24.11 | 25.20 | 1.285 | -0.18 | 0.001 | 0.001 |
| | FR1 n66_Ant 2 | 40M | BPSK | 108 | 54 | Left Cheek | 0mm | Sample 2 | DSI0 | 349000 | 1745 | 24.11 | 25.20 | 1.285 | 0.11 | 0.023 | 0.030 |
| | FR1 n66_Ant 2 | 40M | BPSK | 108 | 54 | Left Cheek | 0mm | Sample 3 | DSI0 | 349000 | 1745 | 24.11 | 25.20 | 1.285 | 0 | 0.026 | 0.033 |
| | FR1 n66_Ant 4 | 40M | BPSK | 1 | 1 | Right Cheek | 0mm | Sample 1 | DSI0 | 349000 | 1745 | 24.50 | 25.20 | 1.175 | -0.11 | 0.140 | 0.164 |
| | FR1 n66_Ant 4 | 40M | BPSK | 108 | 54 | Right Cheek | 0mm | Sample 1 | DSI0 | 349000 | 1745 | 23.98 | 25.20 | 1.324 | -0.08 | 0.160 | 0.212 |
| | FR1 n66_Ant 4 | 40M | BPSK | 1 | 1 | Right Tilted | 0mm | Sample 1 | DSI0 | 349000 | 1745 | 24.50 | 25.20 | 1.175 | -0.09 | 0.074 | 0.087 |
| | FR1 n66_Ant 4 | 40M | BPSK | 108 | 54 | Right Tilted | 0mm | Sample 1 | DSI0 | 349000 | 1745 | 23.98 | 25.20 | 1.324 | -0.15 | 0.091 | 0.121 |
| | FR1 n66_Ant 4 | 40M | BPSK | 1 | 1 | Left Cheek | 0mm | Sample 1 | DSI0 | 349000 | 1745 | 24.50 | 25.20 | 1.175 | 0.02 | 0.172 | 0.202 |
| | FR1 n66_Ant 4 | 40M | BPSK | 108 | 54 | Left Cheek | 0mm | Sample 1 | DSI0 | 349000 | 1745 | 23.98 | 25.20 | 1.324 | 0.11 | 0.183 | 0.242 |
| | FR1 n66_Ant 4 | 40M | BPSK | 1 | 1 | Left Tilted | 0mm | Sample 1 | DSI0 | 349000 | 1745 | 24.50 | 25.20 | 1.175 | 0.03 | 0.117 | 0.137 |
| | FR1 n66_Ant 4 | 40M | BPSK | 108 | 54 | Left Tilted | 0mm | Sample 1 | DSI0 | 349000 | 1745 | 23.98 | 25.20 | 1.324 | 0.06 | 0.126 | 0.167 |
| | FR1 n66_Ant 4 | 40M | BPSK | 108 | 54 | Left Cheek | 0mm | Sample 2 | DSI0 | 349000 | 1745 | 23.98 | 25.20 | 1.324 | -0.14 | 0.245 | 0.324 |
| 24 | FR1 n66_Ant 4 | 40M | BPSK | 108 | 54 | Left Cheek | 0mm | Sample 3 | DSI0 | 349000 | 1745 | 23.98 | 25.20 | 1.324 | 0.02 | 0.257 | 0.340 |
| | FR1 n71_Ant 0 | 20M | BPSK | 1 | 1 | Right Cheek | 0mm | Sample 1 | DSI0 | 136100 | 680.5 | 24.22 | 24.70 | 1.117 | -0.19 | 0.075 | 0.084 |
| | FR1 n71_Ant 0 | 20M | BPSK | 50 | 28 | Right Cheek | 0mm | Sample 1 | DSI0 | 136100 | 680.5 | 23.76 | 24.70 | 1.242 | -0.17 | 0.095 | 0.118 |
| | FR1 n71_Ant 0 | 20M | BPSK | 1 | 1 | Right Tilted | 0mm | Sample 1 | DSI0 | 136100 | 680.5 | 24.22 | 24.70 | 1.117 | -0.14 | 0.001 | 0.001 |
| | FR1 n71_Ant 0 | 20M | BPSK | 50 | 28 | Right Tilted | 0mm | Sample 1 | DSI0 | 136100 | 680.5 | 23.76 | 24.70 | 1.242 | -0.08 | 0.055 | 0.068 |
| | FR1 n71_Ant 0 | 20M | BPSK | 1 | 1 | Left Cheek | 0mm | Sample 1 | DSI0 | 136100 | 680.5 | 24.22 | 24.70 | 1.117 | -0.07 | 0.073 | 0.082 |
| | FR1 n71_Ant 0 | 20M | BPSK | 50 | 28 | Left Cheek | 0mm | Sample 1 | DSI0 | 136100 | 680.5 | 23.76 | 24.70 | 1.242 | 0.03 | 0.091 | 0.113 |
| | FR1 n71_Ant 0 | 20M | BPSK | 1 | 1 | Left Tilted | 0mm | Sample 1 | DSI0 | 136100 | 680.5 | 24.22 | 24.70 | 1.117 | 0.1 | 0.001 | 0.001 |
| | FR1 n71_Ant 0 | 20M | BPSK | 50 | 28 | Left Tilted | 0mm | Sample 1 | DSI0 | 136100 | 680.5 | 23.76 | 24.70 | 1.242 | 0.06 | 0.057 | 0.071 |
| 25 | FR1 n71_Ant 0 | 20M | BPSK | 50 | 28 | Right Cheek | 0mm | Sample 2 | DSI0 | 136100 | 680.5 | 23.76 | 24.70 | 1.242 | -0.02 | 0.116 | 0.144 |
| | FR1 n71_Ant 0 | 20M | BPSK | 50 | 28 | Right Cheek | 0mm | Sample 3 | DSI0 | 136100 | 680.5 | 23.76 | 24.70 | 1.242 | 0.06 | 0.056 | 0.070 |

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Sample | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Right Cheek | 0mm | Sample 1 | DSI2 | 656000 | 3840 | 18.97 | 19.20 | 1.054 | 0.11 | 0.026 | 0.027 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Right Cheek | 0mm | Sample 1 | DSI2 | 656000 | 3840 | 18.96 | 19.20 | 1.057 | -0.01 | 0.016 | 0.017 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Right Tilted | 0mm | Sample 1 | DSI2 | 656000 | 3840 | 18.97 | 19.20 | 1.054 | -0.15 | 0.021 | 0.022 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Right Tilted | 0mm | Sample 1 | DSI2 | 656000 | 3840 | 18.96 | 19.20 | 1.057 | 0.01 | 0.017 | 0.018 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Left Cheek | 0mm | Sample 1 | DSI2 | 656000 | 3840 | 18.97 | 19.20 | 1.054 | 0.02 | 0.028 | 0.030 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Left Cheek | 0mm | Sample 1 | DSI2 | 656000 | 3840 | 18.96 | 19.20 | 1.057 | -0.07 | 0.019 | 0.020 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Left Tilted | 0mm | Sample 1 | DSI2 | 656000 | 3840 | 18.97 | 19.20 | 1.054 | 0.03 | 0.014 | 0.015 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Left Tilted | 0mm | Sample 1 | DSI2 | 656000 | 3840 | 18.96 | 19.20 | 1.057 | -0.09 | 0.011 | 0.012 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Left Cheek | 0mm | Sample 2 | DSI2 | 656000 | 3840 | 18.97 | 19.20 | 1.054 | 0.09 | 0.022 | 0.023 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Left Cheek | 0mm | Sample 3 | DSI2 | 656000 | 3840 | 18.97 | 19.20 | 1.054 | -0.17 | 0.021 | 0.022 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Right Cheek | 0mm | Sample 1 | DSI2 | 633332 | 3499.98 | 18.75 | 19.20 | 1.109 | 0.03 | 0.014 | 0.016 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Right Cheek | 0mm | Sample 1 | DSI2 | 633332 | 3499.98 | 18.60 | 19.20 | 1.148 | 0.08 | 0.013 | 0.015 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Right Tilted | 0mm | Sample 1 | DSI2 | 633332 | 3499.98 | 18.75 | 19.20 | 1.109 | 0.02 | 0.004 | 0.004 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Right Tilted | 0mm | Sample 1 | DSI2 | 633332 | 3499.98 | 18.60 | 19.20 | 1.148 | 0.07 | 0.005 | 0.006 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Left Cheek | 0mm | Sample 1 | DSI2 | 633332 | 3499.98 | 18.75 | 19.20 | 1.109 | 0.16 | 0.053 | 0.059 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Left Cheek | 0mm | Sample 1 | DSI2 | 633332 | 3499.98 | 18.60 | 19.20 | 1.148 | -0.15 | 0.007 | 0.008 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Left Tilted | 0mm | Sample 1 | DSI2 | 633332 | 3499.98 | 18.75 | 19.20 | 1.109 | -0.07 | 0.001 | 0.001 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Left Tilted | 0mm | Sample 1 | DSI2 | 633332 | 3499.98 | 18.60 | 19.20 | 1.148 | -0.16 | 0.001 | 0.001 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Left Cheek | 0mm | Sample 2 | DSI2 | 633332 | 3499.98 | 18.75 | 19.20 | 1.109 | 0.1 | 0.006 | 0.007 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Left Cheek | 0mm | Sample 3 | DSI2 | 633332 | 3499.98 | 18.75 | 19.20 | 1.109 | -0.01 | 0.007 | 0.008 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 1 | 1 | Right Cheek | 0mm | Sample 1 | DSI2 | 656000 | 3840 | 15.70 | 16.00 | 1.072 | 0.02 | 0.143 | 0.153 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Right Cheek | 0mm | Sample 1 | DSI2 | 656000 | 3840 | 15.69 | 16.00 | 1.074 | 0.06 | 0.153 | 0.164 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 1 | 1 | Right Tilted | 0mm | Sample 1 | DSI2 | 656000 | 3840 | 15.70 | 16.00 | 1.072 | 0.01 | 0.040 | 0.043 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Right Tilted | 0mm | Sample 1 | DSI2 | 656000 | 3840 | 15.69 | 16.00 | 1.074 | -0.01 | 0.044 | 0.047 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 1 | 1 | Left Cheek | 0mm | Sample 1 | DSI2 | 656000 | 3840 | 15.70 | 16.00 | 1.072 | 0.03 | 0.392 | 0.420 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Left Cheek | 0mm | Sample 1 | DSI2 | 656000 | 3840 | 15.69 | 16.00 | 1.074 | -0.07 | 0.485 | 0.521 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 1 | 1 | Left Tilted | 0mm | Sample 1 | DSI2 | 656000 | 3840 | 15.70 | 16.00 | 1.072 | -0.13 | 0.048 | 0.051 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Left Tilted | 0mm | Sample 1 | DSI2 | 656000 | 3840 | 15.69 | 16.00 | 1.074 | -0.13 | 0.054 | 0.058 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Left Cheek | 0mm | Sample 2 | DSI2 | 656000 | 3840 | 15.69 | 16.00 | 1.074 | -0.05 | 0.440 | 0.473 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Left Cheek | 0mm | Sample 3 | DSI2 | 656000 | 3840 | 15.69 | 16.00 | 1.074 | -0.08 | 0.456 | 0.490 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 1 | 1 | Right Cheek | 0mm | Sample 1 | DSI2 | 633332 | 3499.98 | 15.67 | 16.00 | 1.079 | -0.03 | 0.110 | 0.119 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Right Cheek | 0mm | Sample 1 | DSI2 | 633332 | 3499.98 | 15.62 | 16.00 | 1.091 | -0.02 | 0.108 | 0.118 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 1 | 1 | Right Tilted | 0mm | Sample 1 | DSI2 | 633332 | 3499.98 | 15.67 | 16.00 | 1.079 | -0.02 | 0.036 | 0.039 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 0 | Right Tilted | 0mm | Sample 1 | DSI2 | 633332 | 3499.98 | 15.60 | 16.00 | 1.096 | -0.15 | 0.040 | 0.044 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 1 | 1 | Left Cheek | 0mm | Sample 1 | DSI2 | 633332 | 3499.98 | 15.67 | 16.00 | 1.079 | -0.18 | 0.482 | 0.520 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Left Cheek | 0mm | Sample 1 | DSI2 | 633332 | 3499.98 | 15.62 | 16.00 | 1.091 | -0.15 | 0.377 | 0.411 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 1 | 1 | Left Tilted | 0mm | Sample 1 | DSI2 | 633332 | 3499.98 | 15.67 | 16.00 | 1.079 | 0.08 | 0.033 | 0.036 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Left Tilted | 0mm | Sample 1 | DSI2 | 633332 | 3499.98 | 15.62 | 16.00 | 1.091 | -0.17 | 0.032 | 0.035 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 1 | 1 | Left Cheek | 0mm | Sample 2 | DSI2 | 633332 | 3499.98 | 15.67 | 16.00 | 1.079 | -0.11 | 0.403 | 0.435 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 1 | 1 | Left Cheek | 0mm | Sample 3 | DSI2 | 633332 | 3499.98 | 15.67 | 16.00 | 1.079 | 0.03 | 0.210 | 0.227 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Right Cheek | 0mm | Sample 1 | DSI2 | 656000 | 3840 | 15.56 | 15.90 | 1.081 | -0.02 | 0.121 | 0.131 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Right Tilted | 0mm | Sample 1 | DSI2 | 656000 | 3840 | 15.56 | 15.90 | 1.081 | -0.11 | 0.144 | 0.156 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Left Cheek | 0mm | Sample 1 | DSI2 | 656000 | 3840 | 15.56 | 15.90 | 1.081 | -0.07 | 0.171 | 0.185 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Left Tilted | 0mm | Sample 1 | DSI2 | 656000 | 3840 | 15.56 | 15.90 | 1.081 | 0.06 | 0.156 | 0.169 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Left Cheek | 0mm | Sample 2 | DSI2 | 656000 | 3840 | 15.56 | 15.90 | 1.081 | -0.07 | 0.122 | 0.132 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Left Cheek | 0mm | Sample 3 | DSI2 | 656000 | 3840 | 15.56 | 15.90 | 1.081 | -0.06 | 0.126 | 0.136 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Right Cheek | 0mm | Sample 1 | DSI2 | 633332 | 3499.98 | 15.08 | 15.90 | 1.208 | -0.01 | 0.232 | 0.280 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Right Tilted | 0mm | Sample 1 | DSI2 | 633332 | 3499.98 | 15.08 | 15.90 | 1.208 | 0.05 | 0.281 | 0.339 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Left Cheek | 0mm | Sample 1 | DSI2 | 633332 | 3499.98 | 15.08 | 15.90 | 1.208 | 0.1 | 0.310 | 0.374 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Left Tilted | 0mm | Sample 1 | DSI2 | 633332 | 3499.98 | 15.08 | 15.90 | 1.208 | -0.03 | 0.298 | 0.360 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Left Cheek | 0mm | Sample 2 | DSI2 | 633332 | 3499.98 | 15.08 | 15.90 | 1.208 | -0.13 | 0.257 | 0.310 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Left Cheek | 0mm | Sample 3 | DSI2 | 633332 | 3499.98 | 15.08 | 15.90 | 1.208 | -0.01 | 0.262 | 0.316 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Right Cheek | 0mm | Sample 1 | DSI2 | 656000 | 3840 | 19.59 | 19.80 | 1.050 | -0.07 | 0.538 | 0.565 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Right Tilted | 0mm | Sample 1 | DSI2 | 656000 | 3840 | 19.59 | 19.80 | 1.050 | 0.08 | 0.063 | 0.066 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Left Cheek | 0mm | Sample 1 | DSI2 | 656000 | 3840 | 19.59 | 19.80 | 1.050 | 0.09 | 0.305 | 0.320 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Left Tilted | 0mm | Sample 1 | DSI2 | 656000 | 3840 | 19.59 | 19.80 | 1.050 | 0.01 | 0.086 | 0.090 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Right Cheek | 0mm | Sample 2 | DSI2 | 656000 | 3840 | 19.59 | 19.80 | 1.050 | -0.17 | 0.440 | 0.462 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Right Cheek | 0mm | Sample 3 | DSI2 | 656000 | 3840 | 19.59 | 19.80 | 1.050 | -0.02 | 0.414 | 0.435 |
| 26 | FR1 n77_Ant 3 | 100M | CW | - | - | Right Cheek | 0mm | Sample 1 | DSI2 | 633332 | 3499.98 | 19.53 | 19.80 | 1.064 | 0.01 | 0.655 | 0.697 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Right Tilted | 0mm | Sample 1 | DSI2 | 633332 | 3499.98 | 19.53 | 19.80 | 1.064 | 0.02 | 0.118 | 0.126 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Left Cheek | 0mm | Sample 1 | DSI2 | 633332 | 3499.98 | 19.53 | 19.80 | 1.064 | -0.1 | 0.366 | 0.389 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Left Tilted | 0mm | Sample 1 | DSI2 | 633332 | 3499.98 | 19.53 | 19.80 | 1.064 | 0.01 | 0.136 | 0.145 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Right Cheek | 0mm | Sample 2 | DSI2 | 633332 | 3499.98 | 19.53 | 19.80 | 1.064 | -0.01 | 0.321 | 0.342 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Right Cheek | 0mm | Sample 3 | DSI2 | 633332 | 3499.98 | 19.53 | 19.80 | 1.064 | -0.14 | 0.391 | 0.416 |

## <2.4GHz WLAN SAR>

| Plot No. | Band | Mode | Test Position | Gap (mm) | Sample | Antenna | Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | WLAN2.4GHz | 802.11b 1Mbps | Right Cheek | 0mm | Sample 1 | Ant 9+8(8) | nonDBS | 1 | 2412 | 17.60 | 18.00 | 1.096 | 99.9 | 1.001 | -0.12 | 0.143 | 0.157 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Tilted | 0mm | Sample 1 | Ant 9+8(8) | nonDBS | 1 | 2412 | 17.60 | 18.00 | 1.096 | 99.9 | 1.001 | -0.06 | 0.044 | 0.048 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Sample 1 | Ant 9+8(8) | nonDBS | 1 | 2412 | 17.60 | 18.00 | 1.096 | 99.9 | 1.001 | -0.04 | 0.164 | 0.180 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Sample 1 | Ant 9+8(8) | nonDBS | 6 | 2437 | 17.50 | 18.00 | 1.122 | 99.9 | 1.001 | -0.18 | 0.203 | 0.228 |
| 27 | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Sample 1 | Ant 9+8(8) | nonDBS | 11 | 2462 | 17.70 | 18.00 | 1.072 | 99.9 | 1.001 | 0.11 | 0.247 | 0.265 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Tilted | 0mm | Sample 1 | Ant 9+8(8) | nonDBS | 1 | 2412 | 17.60 | 18.00 | 1.096 | 99.9 | 1.001 | 0.08 | 0.090 | 0.099 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Sample 2 | Ant 9+8(8) | nonDBS | 11 | 2462 | 17.70 | 18.00 | 1.072 | 99.9 | 1.001 | 0.01 | 0.181 | 0.194 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Sample 3 | Ant 9+8(8) | nonDBS | 11 | 2462 | 17.70 | 18.00 | 1.072 | 99.9 | 1.001 | -0.04 | 0.172 | 0.184 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Cheek | 0mm | Sample 1 | Ant 9+8(8) | DBS | 6 | 2437 | 15.20 | 15.50 | 1.072 | 99.9 | 1.001 | -0.02 | 0.064 | 0.069 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Tilted | 0mm | Sample 1 | Ant 9+8(8) | DBS | 6 | 2437 | 15.20 | 15.50 | 1.072 | 99.9 | 1.001 | -0.18 | 0.020 | 0.021 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Sample 1 | Ant 9+8(8) | DBS | 6 | 2437 | 15.20 | 15.50 | 1.072 | 99.9 | 1.001 | -0.06 | 0.073 | 0.078 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Sample 1 | Ant 9+8(9) | DBS | 1 | 2412 | 15.10 | 15.50 | 1.096 | 99.9 | 1.001 | -0.03 | 0.091 | 0.100 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Sample 1 | Ant 9+8(8) | DBS | 11 | 2462 | 14.70 | 15.50 | 1.202 | 99.9 | 1.001 | 0.07 | 0.110 | 0.132 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Tilted | 0mm | Sample 1 | Ant 9+8(8) | DBS | 6 | 2437 | 15.20 | 15.50 | 1.072 | 99.9 | 1.001 | -0.1 | 0.040 | 0.043 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Sample 2 | Ant 9+8(8) | DBS | 11 | 2462 | 14.70 | 15.50 | 1.202 | 99.9 | 1.001 | -0.19 | 0.033 | 0.040 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Sample 3 | Ant 9+8(8) | DBS | 11 | 2462 | 14.70 | 15.50 | 1.202 | 99.9 | 1.001 | 0.06 | 0.031 | 0.037 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Cheek | 0mm | Sample 1 | Ant 8 | nonDBS / DBS | 1 | 2412 | 17.90 | 18.00 | 1.023 | 99.9 | 1.001 | 0.01 | 0.010 | 0.010 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Tilted | 0mm | Sample 1 | Ant 8 | nonDBS / DBS | 1 | 2412 | 17.90 | 18.00 | 1.023 | 99.9 | 1.001 | 0.03 | 0.022 | 0.023 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Sample 1 | Ant 8 | nonDBS / DBS | 1 | 2412 | 17.90 | 18.00 | 1.023 | 99.9 | 1.001 | 0.01 | 0.058 | 0.059 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Sample 1 | Ant 8 | nonDBS / DBS | 6 | 2437 | 17.90 | 18.00 | 1.023 | 99.9 | 1.001 | -0.03 | 0.062 | 0.064 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Sample 1 | Ant 8 | nonDBS / DBS | 11 | 2462 | 17.80 | 18.00 | 1.047 | 99.9 | 1.001 | 0.04 | 0.055 | 0.058 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Tilted | 0mm | Sample 1 | Ant 8 | nonDBS / DBS | 1 | 2412 | 17.90 | 18.00 | 1.023 | 99.9 | 1.001 | -0.12 | 0.018 | 0.018 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Sample 2 | Ant 8 | nonDBS / DBS | 6 | 2437 | 17.90 | 18.00 | 1.023 | 99.9 | 1.001 | 0 | 0.058 | 0.059 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Sample 3 | Ant 8 | nonDBS / DBS | 6 | 2437 | 17.90 | 18.00 | 1.023 | 99.9 | 1.001 | -0.18 | 0.057 | 0.058 |

## <5GHz WLAN SAR>

| Plot No. | Band | Mode | Test Position | Gap (mm) | Sample | Antenna | Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | WLAN5GHz | 802.11a 6Mbps | Right Cheek | 0mm | Sample 1 | Ant 9+8(9) | nonDBS / DBS | 52 | 5260 | 18.30 | 18.50 | 1.047 | 98.99 | 1.010 | -0.04 | 0.303 | 0.320 |
| 28 | WLAN5GHz | 802.11a 6Mbps | Right Cheek | 0mm | Sample 1 | Ant 9+8(9) | nonDBS / DBS | 56 | 5280 | 18.30 | 18.50 | 1.047 | 98.99 | 1.010 | 0.01 | 0.321 | 0.339 |
| | WLAN5GHz | 802.11a 6Mbps | Right Cheek | 0mm | Sample 1 | Ant 9+8(9) | nonDBS / DBS | 60 | 5300 | 16.90 | 17.00 | 1.023 | 98.99 | 1.010 | 0.12 | 0.215 | 0.222 |
| | WLAN5GHz | 802.11a 6Mbps | Right Cheek | 0mm | Sample 1 | Ant 9+8(9) | nonDBS / DBS | 64 | 5320 | 16.40 | 16.50 | 1.023 | 98.99 | 1.010 | -0.06 | 0.202 | 0.209 |
| | WLAN5GHz | 802.11a 6Mbps | Right Tilted | 0mm | Sample 1 | Ant 9+8(9) | nonDBS / DBS | 52 | 5260 | 18.30 | 18.50 | 1.047 | 98.99 | 1.010 | -0.14 | 0.167 | 0.177 |
| | WLAN5GHz | 802.11a 6Mbps | Left Cheek | 0mm | Sample 1 | Ant 9+8(9) | nonDBS / DBS | 52 | 5260 | 18.30 | 18.50 | 1.047 | 98.99 | 1.010 | -0.18 | 0.222 | 0.235 |
| | WLAN5GHz | 802.11a 6Mbps | Left Tilted | 0mm | Sample 1 | Ant 9+8(9) | nonDBS / DBS | 52 | 5260 | 18.30 | 18.50 | 1.047 | 98.99 | 1.010 | 0.14 | 0.183 | 0.194 |
| | WLAN5GHz | 802.11a 6Mbps | Left Tilted | 0mm | Sample 2 | Ant 9+8(9) | nonDBS / DBS | 52 | 5260 | 18.30 | 18.50 | 1.047 | 98.99 | 1.010 | 0.05 | 0.176 | 0.186 |
| | WLAN5GHz | 802.11a 6Mbps | Left Tilted | 0mm | Sample 3 | Ant 9+8(9) | nonDBS / DBS | 52 | 5260 | 18.30 | 18.50 | 1.047 | 98.99 | 1.010 | -0.09 | 0.180 | 0.190 |
| | WLAN5GHz | 802.11a 6Mbps | Right Cheek | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 116 | 5580 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | -0.08 | 0.542 | 0.600 |
| | WLAN5GHz | 802.11a 6Mbps | Right Tilted | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 116 | 5580 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | -0.16 | 0.444 | 0.492 |
| | WLAN5GHz | 802.11a 6Mbps | Left Cheek | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 116 | 5580 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | 0.12 | 0.570 | 0.631 |
| | WLAN5GHz | 802.11a 6Mbps | Left Tilted | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 116 | 5580 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | 0.06 | 0.593 | 0.657 |
| | WLAN5GHz | 802.11a 6Mbps | Left Tilted | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 100 | 5500 | 16.90 | 17.50 | 1.148 | 98.99 | 1.010 | 0.09 | 0.472 | 0.547 |
| | WLAN5GHz | 802.11a 6Mbps | Left Tilted | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 124 | 5620 | 17.80 | 18.50 | 1.175 | 98.99 | 1.010 | -0.07 | 0.550 | 0.653 |
| | WLAN5GHz | 802.11a 6Mbps | Left Tilted | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 132 | 5660 | 18.00 | 18.50 | 1.122 | 98.99 | 1.010 | 0.04 | 0.596 | 0.675 |
| 29 | WLAN5GHz | 802.11a 6Mbps | Left Tilted | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 144 | 5720 | 17.90 | 18.50 | 1.148 | 98.99 | 1.010 | 0 | 0.713 | 0.827 |
| | WLAN5GHz | 802.11a 6Mbps | Left Tilted | 0mm | Sample 2 | Ant 9+8(8) | nonDBS / DBS | 144 | 5720 | 17.90 | 18.50 | 1.148 | 98.99 | 1.010 | -0.09 | 0.710 | 0.823 |
| | WLAN5GHz | 802.11a 6Mbps | Left Tilted | 0mm | Sample 3 | Ant 9+8(8) | nonDBS / DBS | 144 | 5720 | 17.90 | 18.50 | 1.148 | 98.99 | 1.010 | 0.17 | 0.704 | 0.816 |
| | WLAN5GHz | 802.11a 6Mbps | Right Cheek | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 157 | 5785 | 18.20 | 18.50 | 1.072 | 98.99 | 1.010 | 0.06 | 0.515 | 0.557 |
| | WLAN5GHz | 802.11a 6Mbps | Right Tilted | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 157 | 5785 | 18.20 | 18.50 | 1.072 | 98.99 | 1.010 | 0 | 0.488 | 0.528 |
| | WLAN5GHz | 802.11a 6Mbps | Left Cheek | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 157 | 5785 | 18.20 | 18.50 | 1.072 | 98.99 | 1.010 | -0.11 | 0.596 | 0.645 |
| | WLAN5GHz | 802.11a 6Mbps | Left Tilted | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 157 | 5785 | 18.20 | 18.50 | 1.072 | 98.99 | 1.010 | -0.12 | 0.676 | 0.732 |
| | WLAN5GHz | 802.11a 6Mbps | Left Tilted | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 149 | 5745 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | -0.01 | 0.581 | 0.643 |
| 30 | WLAN5GHz | 802.11a 6Mbps | Left Tilted | 0mm | Sample 1 | Ant 9+8(9) | nonDBS / DBS | 165 | 5825 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | -0.04 | 0.806 | 0.893 |
| | WLAN5GHz | 802.11a 6Mbps | Left Tilted | 0mm | Sample 2 | Ant 9+8(9) | nonDBS / DBS | 165 | 5825 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | 0.19 | 0.799 | 0.885 |
| | WLAN5GHz | 802.11a 6Mbps | Left Tilted | 0mm | Sample 3 | Ant 9+8(9) | nonDBS / DBS | 165 | 5825 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | 0.04 | 0.802 | 0.888 |

## <6GHz WLAN SAR>

| Plot No. | Band | Mode | Test Position | Gap (mm) | Sample | Antenna | Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) | APD (W/m^2) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | WLAN6GHz | 802.11ac-VHT160 MCS0 | Right Cheek | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 175 | 6825 | 11.50 | 12.00 | 1.122 | 98.20 | 1.018 | 0.09 | 0.234 | 0.267 | 1.560 |
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Right Cheek | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 15 | 6025 | 11.90 | 12.50 | 1.148 | 98.20 | 1.018 | 0.03 | 0.144 | 0.168 | 0.896 |
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Right Cheek | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 47 | 6185 | 11.60 | 12.50 | 1.230 | 98.20 | 1.018 | -0.02 | 0.104 | 0.130 | 0.708 |
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Right Cheek | 0mm | Sample 1 | Ant 9+8(9) | nonDBS / DBS | 111 | 6505 | 9.90 | 11.00 | 1.288 | 98.20 | 1.018 | -0.02 | 0.093 | 0.122 | 0.708 |
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Right Cheek | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 207 | 6985 | 11.90 | 12.00 | 1.023 | 98.20 | 1.018 | -0.13 | 0.231 | 0.241 | 1.410 |
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Right Tilted | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 15 | 6025 | 11.90 | 12.50 | 1.148 | 98.20 | 1.018 | -0.08 | 0.208 | 0.243 | 1.360 |
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Left Cheek | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 15 | 6025 | 11.90 | 12.50 | 1.148 | 98.20 | 1.018 | -0.06 | 0.212 | 0.248 | 1.390 |
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Left Tilted | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 15 | 6025 | 11.90 | 12.50 | 1.148 | 98.20 | 1.018 | 0.03 | 0.199 | 0.233 | 1.200 |
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Right Cheek | 0mm | Sample 2 | Ant 9+8(8) | nonDBS / DBS | 175 | 6825 | 11.50 | 12.00 | 1.122 | 98.20 | 1.018 | 0.11 | 0.230 | 0.263 | 2.300 |
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Right Cheek | 0mm | Sample 3 | Ant 9+8(8) | nonDBS / DBS | 175 | 6825 | 11.50 | 12.00 | 1.122 | 98.20 | 1.018 | 0.09 | 0.226 | 0.258 | 2.260 |

## <Bluetooth SAR>

| Plot No. | Band | Mode | Test Position | Gap (mm) | Sample | Antenna | Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32 | Bluetooth | 1Mbps | Right Cheek | 0mm | Sample 1 | Ant 9 | nonDBS / DBS | 0 | 2402 | 3.94 | 4.00 | 1.014 | 76.83 | 1.302 | 0 | < 0.001 | < 0.001 |
| | Bluetooth | 1Mbps | Right Cheek | 0mm | Sample 1 | Ant 9 | nonDBS / DBS | 39 | 2441 | 3.91 | 4.00 | 1.021 | 76.83 | 1.302 | 0 | < 0.001 | < 0.001 |
| | Bluetooth | 1Mbps | Right Cheek | 0mm | Sample 1 | Ant 9 | nonDBS / DBS | 78 | 2480 | 3.72 | 4.00 | 1.067 | 76.83 | 1.302 | 0 | < 0.001 | < 0.001 |
| | Bluetooth | 1Mbps | Right Tilted | 0mm | Sample 1 | Ant 9 | nonDBS / DBS | 0 | 2402 | 3.94 | 4.00 | 1.014 | 76.83 | 1.302 | 0 | < 0.001 | < 0.001 |
| | Bluetooth | 1Mbps | Left Cheek | 0mm | Sample 1 | Ant 9 | nonDBS / DBS | 0 | 2402 | 3.94 | 4.00 | 1.014 | 76.83 | 1.302 | 0 | < 0.001 | < 0.001 |
| | Bluetooth | 1Mbps | Left Tilted | 0mm | Sample 1 | Ant 9 | nonDBS / DBS | 0 | 2402 | 3.94 | 4.00 | 1.014 | 76.83 | 1.302 | 0 | < 0.001 | < 0.001 |
| | Bluetooth | 1Mbps | Right Cheek | 0mm | Sample 2 | Ant 9 | nonDBS / DBS | 0 | 2402 | 3.94 | 4.00 | 1.014 | 76.83 | 1.302 | 0 | < 0.001 | < 0.001 |
| | Bluetooth | 1Mbps | Right Cheek | 0mm | Sample 3 | Ant 9 | nonDBS / DBS | 0 | 2402 | 3.94 | 4.00 | 1.014 | 76.83 | 1.302 | 0 | < 0.001 | < 0.001 |

## 16.2 Hotspot SAR

### <GSM SAR>

| Plot No. | Band | Mode | Test Position | Gap (mm) | Sample | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GSM850_Ant 4 | GPRS (4 Tx slots) | Front | 10mm | Sample 1 | DSI0 | 251 | 848.8 | 30.05 | 30.50 | 1.109 | -0.05 | 0.125 | 0.139 |
| | GSM850_Ant 4 | GPRS (4 Tx slots) | Back | 10mm | Sample 1 | DSI0 | 251 | 848.8 | 30.05 | 30.50 | 1.109 | 0.1 | 0.197 | 0.219 |
| | GSM850_Ant 4 | GPRS (4 Tx slots) | Back | 10mm | Sample 1 | DSI0 | 128 | 824.2 | 29.43 | 30.50 | 1.279 | 0.09 | 0.239 | 0.306 |
| | GSM850_Ant 4 | GPRS (4 Tx slots) | Back | 10mm | Sample 1 | DSI0 | 189 | 836.4 | 28.84 | 30.50 | 1.466 | -0.03 | 0.213 | 0.312 |
| | GSM850_Ant 4 | GPRS (4 Tx slots) | Left Side | 10mm | Sample 1 | DSI0 | 251 | 848.8 | 30.05 | 30.50 | 1.109 | -0.15 | 0.171 | 0.190 |
| | GSM850_Ant 4 | GPRS (4 Tx slots) | Right Side | 10mm | Sample 1 | DSI0 | 251 | 848.8 | 30.05 | 30.50 | 1.109 | -0.04 | 0.076 | 0.084 |
| | GSM850_Ant 4 | GPRS (4 Tx slots) | Bottom Side | 10mm | Sample 1 | DSI0 | 251 | 848.8 | 30.05 | 30.50 | 1.109 | 0.02 | 0.189 | 0.210 |
| | GSM850_Ant 4 | GPRS (4 Tx slots) | Back | 10mm | Sample 2 | DSI0 | 189 | 836.4 | 28.84 | 30.50 | 1.466 | -0.02 | 0.231 | 0.339 |
| 33 | GSM850_Ant 4 | GPRS (4 Tx slots) | Back | 10mm | Sample 3 | DSI0 | 189 | 836.4 | 28.84 | 30.50 | 1.466 | 0.03 | 0.237 | 0.347 |
| | GSM1900_Ant 4 | GPRS (4 Tx slots) | Front | 10mm | Sample 1 | DSI3 | 661 | 1880 | 24.38 | 26.00 | 1.452 | 0.11 | 0.044 | 0.064 |
| | GSM1900_Ant 4 | GPRS (4 Tx slots) | Back | 10mm | Sample 1 | DSI3 | 661 | 1880 | 24.38 | 26.00 | 1.452 | -0.13 | 0.180 | 0.261 |
| | GSM1900_Ant 4 | GPRS (4 Tx slots) | Back | 10mm | Sample 1 | DSI3 | 512 | 1850.2 | 24.18 | 26.00 | 1.521 | -0.08 | 0.160 | 0.243 |
| 34 | GSM1900_Ant 4 | GPRS (4 Tx slots) | Back | 10mm | Sample 1 | DSI3 | 810 | 1909.8 | 24.37 | 26.00 | 1.455 | -0.1 | 0.214 | 0.311 |
| | GSM1900_Ant 4 | GPRS (4 Tx slots) | Left Side | 10mm | Sample 1 | DSI3 | 661 | 1880 | 24.38 | 26.00 | 1.452 | -0.09 | 0.043 | 0.062 |
| | GSM1900_Ant 4 | GPRS (4 Tx slots) | Right Side | 10mm | Sample 1 | DSI3 | 661 | 1880 | 24.38 | 26.00 | 1.452 | 0.05 | 0.021 | 0.030 |
| | GSM1900_Ant 4 | GPRS (4 Tx slots) | Bottom Side | 10mm | Sample 1 | DSI3 | 661 | 1880 | 24.38 | 26.00 | 1.452 | -0.04 | 0.154 | 0.224 |
| | GSM1900_Ant 4 | GPRS (4 Tx slots) | Back | 10mm | Sample 2 | DSI3 | 810 | 1909.8 | 24.37 | 26.00 | 1.455 | 0.06 | 0.210 | 0.306 |
| | GSM1900_Ant 4 | GPRS (4 Tx slots) | Back | 10mm | Sample 3 | DSI3 | 810 | 1909.8 | 24.37 | 26.00 | 1.455 | -0.19 | 0.211 | 0.307 |

### <WCDMA SAR>

| Plot No. | Band | Mode | Test Position | Gap (mm) | Sample | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | WCDMA II_Ant 2 | RMC 12.2Kbps | Front | 10mm | Sample 1 | DSI3 | 9538 | 1907.6 | 23.28 | 23.50 | 1.052 | -0.16 | 0.285 | 0.300 |
| | WCDMA II_Ant 2 | RMC 12.2Kbps | Back | 10mm | Sample 1 | DSI3 | 9538 | 1907.6 | 23.28 | 23.50 | 1.052 | -0.09 | 0.486 | 0.511 |
| | WCDMA II_Ant 2 | RMC 12.2Kbps | Left Side | 10mm | Sample 1 | DSI3 | 9538 | 1907.6 | 23.28 | 23.50 | 1.052 | -0.01 | 0.001 | 0.001 |
| 35 | WCDMA II_Ant 2 | RMC 12.2Kbps | Right Side | 10mm | Sample 1 | DSI3 | 9538 | 1907.6 | 23.28 | 23.50 | 1.052 | 0.01 | 0.758 | 0.797 |
| | WCDMA II_Ant 2 | RMC 12.2Kbps | Right Side | 10mm | Sample 1 | DSI3 | 9262 | 1852.4 | 23.14 | 23.50 | 1.086 | 0.05 | 0.540 | 0.587 |
| | WCDMA II_Ant 2 | RMC 12.2Kbps | Right Side | 10mm | Sample 1 | DSI3 | 9400 | 1880 | 23.18 | 23.50 | 1.076 | 0.1 | 0.720 | 0.775 |
| | WCDMA II_Ant 2 | RMC 12.2Kbps | Bottom Side | 10mm | Sample 1 | DSI3 | 9538 | 1907.6 | 23.28 | 23.50 | 1.052 | 0.03 | 0.364 | 0.383 |
| | WCDMA II_Ant 2 | RMC 12.2Kbps | Right Side | 10mm | Sample 2 | DSI3 | 9538 | 1907.6 | 23.28 | 23.50 | 1.052 | -0.08 | 0.678 | 0.713 |
| | WCDMA II_Ant 2 | RMC 12.2Kbps | Right Side | 10mm | Sample 3 | DSI3 | 9538 | 1907.6 | 23.28 | 23.50 | 1.052 | -0.04 | 0.735 | 0.773 |
| | WCDMA IV_Ant 2 | RMC 12.2Kbps | Front | 10mm | Sample 1 | DSI0 | 1312 | 1712.4 | 24.40 | 25.20 | 1.202 | 0.09 | 0.138 | 0.166 |
| | WCDMA IV_Ant 2 | RMC 12.2Kbps | Back | 10mm | Sample 1 | DSI0 | 1312 | 1712.4 | 24.40 | 25.20 | 1.202 | -0.02 | 0.441 | 0.530 |
| | WCDMA IV_Ant 2 | RMC 12.2Kbps | Back | 10mm | Sample 1 | DSI0 | 1413 | 1732.6 | 24.31 | 25.20 | 1.227 | -0.05 | 0.410 | 0.503 |
| 36 | WCDMA IV_Ant 2 | RMC 12.2Kbps | Back | 10mm | Sample 1 | DSI0 | 1513 | 1752.6 | 24.38 | 25.20 | 1.208 | -0.01 | 0.460 | 0.556 |
| | WCDMA IV_Ant 2 | RMC 12.2Kbps | Left Side | 10mm | Sample 1 | DSI0 | 1312 | 1712.4 | 24.40 | 25.20 | 1.202 | -0.19 | 0.001 | 0.001 |
| | WCDMA IV_Ant 2 | RMC 12.2Kbps | Right Side | 10mm | Sample 1 | DSI0 | 1312 | 1712.4 | 24.40 | 25.20 | 1.202 | -0.04 | 0.163 | 0.196 |
| | WCDMA IV_Ant 2 | RMC 12.2Kbps | Bottom Side | 10mm | Sample 1 | DSI0 | 1312 | 1712.4 | 24.40 | 25.20 | 1.202 | -0.17 | 0.105 | 0.126 |
| | WCDMA IV_Ant 2 | RMC 12.2Kbps | Back | 10mm | Sample 2 | DSI0 | 1513 | 1752.6 | 24.38 | 25.20 | 1.208 | -0.13 | 0.264 | 0.319 |
| | WCDMA IV_Ant 2 | RMC 12.2Kbps | Back | 10mm | Sample 3 | DSI0 | 1513 | 1752.6 | 24.38 | 25.20 | 1.208 | -0.02 | 0.381 | 0.460 |
| | WCDMA V_Ant 4 | RMC 12.2Kbps | Front | 10mm | Sample 1 | DSI0 | 4182 | 836.4 | 23.79 | 25.20 | 1.384 | 0.05 | 0.231 | 0.320 |
| | WCDMA V_Ant 4 | RMC 12.2Kbps | Back | 10mm | Sample 1 | DSI0 | 4182 | 836.4 | 23.79 | 25.20 | 1.384 | 0.08 | 0.306 | 0.423 |
| | WCDMA V_Ant 4 | RMC 12.2Kbps | Back | 10mm | Sample 1 | DSI0 | 4132 | 826.4 | 23.75 | 25.20 | 1.396 | 0.06 | 0.311 | 0.434 |
| | WCDMA V_Ant 4 | RMC 12.2Kbps | Back | 10mm | Sample 1 | DSI0 | 4233 | 846.6 | 23.45 | 25.20 | 1.496 | 0.02 | 0.360 | 0.539 |
| | WCDMA V_Ant 4 | RMC 12.2Kbps | Left Side | 10mm | Sample 1 | DSI0 | 4182 | 836.4 | 23.79 | 25.20 | 1.384 | -0.05 | 0.185 | 0.256 |
| | WCDMA V_Ant 4 | RMC 12.2Kbps | Right Side | 10mm | Sample 1 | DSI0 | 4182 | 836.4 | 23.79 | 25.20 | 1.384 | -0.11 | 0.076 | 0.105 |
| | WCDMA V_Ant 4 | RMC 12.2Kbps | Bottom Side | 10mm | Sample 1 | DSI0 | 4182 | 836.4 | 23.79 | 25.20 | 1.384 | -0.13 | 0.188 | 0.260 |
| 37 | WCDMA V_Ant 4 | RMC 12.2Kbps | Back | 10mm | Sample 2 | DSI0 | 4233 | 846.6 | 23.45 | 25.20 | 1.496 | -0.01 | 0.461 | 0.690 |
| | WCDMA V_Ant 4 | RMC 12.2Kbps | Back | 10mm | Sample 3 | DSI0 | 4233 | 846.6 | 23.45 | 25.20 | 1.496 | -0.19 | 0.169 | 0.253 |

## <FDD LTE SAR>

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Sample | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LTE Band 7_Ant 6 | 20M | QPSK | 1 | 0 | Front | 10mm | Sample 1 | DSI3 | 21350 | 2560 | 21.12 | 22.30 | 1.312 | -0.04 | 0.098 | 0.129 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 50 | 0 | Front | 10mm | Sample 1 | DSI3 | 21350 | 2560 | 20.71 | 22.30 | 1.442 | -0.17 | 0.078 | 0.112 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 1 | 0 | Back | 10mm | Sample 1 | DSI3 | 21350 | 2560 | 21.12 | 22.30 | 1.312 | 0.05 | 0.241 | 0.317 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 1 | 0 | Back | 10mm | Sample 1 | DSI3 | 20850 | 2510 | 20.96 | 22.30 | 1.361 | 0.11 | 0.223 | 0.304 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 1 | 0 | Back | 10mm | Sample 1 | DSI3 | 21100 | 2535 | 20.47 | 22.30 | 1.524 | 0.03 | 0.275 | 0.419 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 50 | 0 | Back | 10mm | Sample 1 | DSI3 | 21350 | 2560 | 20.71 | 22.30 | 1.442 | -0.07 | 0.225 | 0.324 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 1 | DSI3 | 21350 | 2560 | 21.12 | 22.30 | 1.312 | 0.11 | 0.265 | 0.348 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 50 | 0 | Left Side | 10mm | Sample 1 | DSI3 | 21350 | 2560 | 20.71 | 22.30 | 1.442 | -0.16 | 0.239 | 0.345 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 1 | 0 | Right Side | 10mm | Sample 1 | DSI3 | 21350 | 2560 | 21.12 | 22.30 | 1.312 | -0.06 | 0.001 | 0.001 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 50 | 0 | Right Side | 10mm | Sample 1 | DSI3 | 21350 | 2560 | 20.71 | 22.30 | 1.442 | 0.09 | 0.001 | 0.001 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 1 | 0 | Bottom Side | 10mm | Sample 1 | DSI3 | 21350 | 2560 | 21.12 | 22.30 | 1.312 | -0.18 | 0.134 | 0.176 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 50 | 0 | Bottom Side | 10mm | Sample 1 | DSI3 | 21350 | 2560 | 20.71 | 22.30 | 1.442 | -0.17 | 0.099 | 0.143 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 1 | 0 | Back | 10mm | Sample 2 | DSI3 | 21100 | 2535 | 20.47 | 22.30 | 1.524 | -0.11 | 0.260 | 0.396 |
| 38 | LTE Band 7_Ant 6 | 20M | QPSK | 1 | 0 | Back | 10mm | Sample 3 | DSI3 | 21100 | 2535 | 20.47 | 22.30 | 1.524 | -0.07 | 0.276 | 0.421 |
| | LTE Band 7C_Ant 6 | 20M | QPSK | 1 | 0 | Back | 10mm | Sample 3 | DSI3 | 20850 | 2560 | 21.06 | 22.30 | 1.330 | -0.09 | 0.300 | 0.399 |
| | LTE Band 12_Ant 0 | 10M | QPSK | 1 | 0 | Front | 10mm | Sample 1 | DSI3 | 23095 | 707.5 | 22.37 | 24.10 | 1.489 | -0.04 | 0.126 | 0.188 |
| | LTE Band 12_Ant 0 | 10M | QPSK | 25 | 0 | Front | 10mm | Sample 1 | DSI3 | 23095 | 707.5 | 21.70 | 23.60 | 1.549 | 0.09 | 0.105 | 0.163 |
| | LTE Band 12_Ant 0 | 10M | QPSK | 1 | 0 | Back | 10mm | Sample 1 | DSI3 | 23095 | 707.5 | 22.37 | 24.10 | 1.489 | -0.17 | 0.144 | 0.214 |
| | LTE Band 12_Ant 0 | 10M | QPSK | 25 | 0 | Back | 10mm | Sample 1 | DSI3 | 23095 | 707.5 | 21.70 | 23.60 | 1.549 | -0.12 | 0.122 | 0.189 |
| | LTE Band 12_Ant 0 | 10M | QPSK | 1 | 0 | Left Side | 10mm | Sample 1 | DSI3 | 23095 | 707.5 | 22.37 | 24.10 | 1.489 | -0.15 | 0.074 | 0.110 |
| | LTE Band 12_Ant 0 | 10M | QPSK | 25 | 0 | Left Side | 10mm | Sample 1 | DSI3 | 23095 | 707.5 | 21.70 | 23.60 | 1.549 | -0.02 | 0.067 | 0.104 |
| | LTE Band 12_Ant 0 | 10M | QPSK | 1 | 0 | Right Side | 10mm | Sample 1 | DSI3 | 23095 | 707.5 | 22.37 | 24.10 | 1.489 | -0.11 | 0.081 | 0.121 |
| | LTE Band 12_Ant 0 | 10M | QPSK | 25 | 0 | Right Side | 10mm | Sample 1 | DSI3 | 23095 | 707.5 | 21.70 | 23.60 | 1.549 | 0.11 | 0.052 | 0.081 |
| 39 | LTE Band 12_Ant 0 | 10M | QPSK | 1 | 0 | Bottom Side | 10mm | Sample 1 | DSI3 | 23095 | 707.5 | 22.37 | 24.10 | 1.489 | -0.02 | 0.164 | 0.244 |
| | LTE Band 12_Ant 0 | 10M | QPSK | 25 | 0 | Bottom Side | 10mm | Sample 1 | DSI3 | 23095 | 707.5 | 21.70 | 23.60 | 1.549 | 0.07 | 0.148 | 0.229 |
| | LTE Band 12_Ant 0 | 10M | QPSK | 1 | 0 | Bottom Side | 10mm | Sample 2 | DSI3 | 23095 | 707.5 | 22.37 | 24.10 | 1.489 | -0.15 | 0.153 | 0.228 |
| | LTE Band 12_Ant 0 | 10M | QPSK | 1 | 0 | Bottom Side | 10mm | Sample 3 | DSI3 | 23095 | 707.5 | 22.37 | 24.10 | 1.489 | -0.03 | 0.105 | 0.156 |
| | LTE Band 13_Ant 0 | 10M | QPSK | 1 | 0 | Front | 10mm | Sample 1 | DSI0 | 23230 | 782 | 23.08 | 24.50 | 1.387 | -0.08 | 0.190 | 0.263 |
| | LTE Band 13_Ant 0 | 10M | QPSK | 25 | 0 | Front | 10mm | Sample 1 | DSI0 | 23230 | 782 | 22.02 | 23.50 | 1.406 | 0.09 | 0.153 | 0.215 |
| | LTE Band 13_Ant 0 | 10M | QPSK | 1 | 0 | Back | 10mm | Sample 1 | DSI0 | 23230 | 782 | 23.08 | 24.50 | 1.387 | 0.07 | 0.323 | 0.448 |
| | LTE Band 13_Ant 0 | 10M | QPSK | 25 | 0 | Back | 10mm | Sample 1 | DSI0 | 23230 | 782 | 22.02 | 23.50 | 1.406 | 0.01 | 0.267 | 0.375 |
| | LTE Band 13_Ant 0 | 10M | QPSK | 1 | 0 | Left Side | 10mm | Sample 1 | DSI0 | 23230 | 782 | 23.08 | 24.50 | 1.387 | 0.11 | 0.078 | 0.108 |
| | LTE Band 13_Ant 0 | 10M | QPSK | 25 | 0 | Left Side | 10mm | Sample 1 | DSI0 | 23230 | 782 | 22.02 | 23.50 | 1.406 | -0.02 | 0.048 | 0.067 |
| | LTE Band 13_Ant 0 | 10M | QPSK | 1 | 0 | Right Side | 10mm | Sample 1 | DSI0 | 23230 | 782 | 23.08 | 24.50 | 1.387 | -0.01 | 0.135 | 0.187 |
| | LTE Band 13_Ant 0 | 10M | QPSK | 25 | 0 | Right Side | 10mm | Sample 1 | DSI0 | 23230 | 782 | 22.02 | 23.50 | 1.406 | 0.08 | 0.101 | 0.142 |
| 40 | LTE Band 13_Ant 0 | 10M | QPSK | 1 | 0 | Bottom Side | 10mm | Sample 1 | DSI0 | 23230 | 782 | 23.08 | 24.50 | 1.387 | 0.04 | 0.385 | 0.534 |
| | LTE Band 13_Ant 0 | 10M | QPSK | 25 | 0 | Bottom Side | 10mm | Sample 1 | DSI0 | 23230 | 782 | 22.02 | 23.50 | 1.406 | -0.19 | 0.284 | 0.399 |
| | LTE Band 13_Ant 0 | 10M | QPSK | 1 | 0 | Bottom Side | 10mm | Sample 2 | DSI0 | 23230 | 782 | 23.08 | 24.50 | 1.387 | 0.06 | 0.338 | 0.469 |
| | LTE Band 13_Ant 0 | 10M | QPSK | 1 | 0 | Bottom Side | 10mm | Sample 3 | DSI0 | 23230 | 782 | 23.08 | 24.50 | 1.387 | -0.07 | 0.357 | 0.495 |
| | LTE Band 14_Ant 0 | 10M | QPSK | 1 | 0 | Front | 10mm | Sample 1 | DSI0 | 23330 | 793 | 23.70 | 24.70 | 1.259 | 0.06 | 0.216 | 0.272 |
| | LTE Band 14_Ant 0 | 10M | QPSK | 25 | 0 | Front | 10mm | Sample 1 | DSI0 | 23330 | 793 | 22.69 | 23.70 | 1.262 | -0.06 | 0.175 | 0.221 |
| | LTE Band 14_Ant 0 | 10M | QPSK | 1 | 0 | Back | 10mm | Sample 1 | DSI0 | 23330 | 793 | 23.70 | 24.70 | 1.259 | -0.11 | 0.474 | 0.597 |
| | LTE Band 14_Ant 0 | 10M | QPSK | 25 | 0 | Back | 10mm | Sample 1 | DSI0 | 23330 | 793 | 22.69 | 23.70 | 1.262 | -0.16 | 0.391 | 0.493 |
| | LTE Band 14_Ant 0 | 10M | QPSK | 1 | 0 | Left Side | 10mm | Sample 1 | DSI0 | 23330 | 793 | 23.70 | 24.70 | 1.259 | -0.13 | 0.074 | 0.093 |
| | LTE Band 14_Ant 0 | 10M | QPSK | 25 | 0 | Left Side | 10mm | Sample 1 | DSI0 | 23330 | 793 | 22.69 | 23.70 | 1.262 | 0.07 | 0.055 | 0.069 |
| | LTE Band 14_Ant 0 | 10M | QPSK | 1 | 0 | Right Side | 10mm | Sample 1 | DSI0 | 23330 | 793 | 23.70 | 24.70 | 1.259 | 0.07 | 0.151 | 0.190 |
| | LTE Band 14_Ant 0 | 10M | QPSK | 25 | 0 | Right Side | 10mm | Sample 1 | DSI0 | 23330 | 793 | 22.69 | 23.70 | 1.262 | 0.11 | 0.147 | 0.185 |
| | LTE Band 14_Ant 0 | 10M | QPSK | 1 | 0 | Bottom Side | 10mm | Sample 1 | DSI0 | 23330 | 793 | 23.70 | 24.70 | 1.259 | -0.14 | 0.455 | 0.573 |
| | LTE Band 14_Ant 0 | 10M | QPSK | 25 | 0 | Bottom Side | 10mm | Sample 1 | DSI0 | 23330 | 793 | 22.69 | 23.70 | 1.262 | -0.05 | 0.309 | 0.390 |
| | LTE Band 14_Ant 0 | 10M | QPSK | 1 | 0 | Back | 10mm | Sample 2 | DSI0 | 23330 | 793 | 23.70 | 24.70 | 1.259 | -0.09 | 0.413 | 0.520 |
| 41 | LTE Band 14_Ant 0 | 10M | QPSK | 1 | 0 | Back | 10mm | Sample 3 | DSI0 | 23330 | 793 | 23.70 | 24.70 | 1.259 | -0.12 | 0.575 | 0.724 |

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Sample | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LTE Band 25_Ant 2 | 20M | QPSK | 1 | 0 | Front | 10mm | Sample 1 | DSI3 | 26140 | 1860 | 23.68 | 24.30 | 1.153 | -0.05 | 0.079 | 0.091 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 50 | 0 | Front | 10mm | Sample 1 | DSI3 | 26140 | 1860 | 23.64 | 24.30 | 1.164 | -0.04 | 0.058 | 0.068 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 1 | 0 | Back | 10mm | Sample 1 | DSI3 | 26140 | 1860 | 23.68 | 24.30 | 1.153 | 0.07 | 0.105 | 0.121 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 50 | 0 | Back | 10mm | Sample 1 | DSI3 | 26140 | 1860 | 23.64 | 24.30 | 1.164 | -0.08 | 0.100 | 0.116 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 1 | DSI3 | 26140 | 1860 | 23.68 | 24.30 | 1.153 | 0.04 | 0.023 | 0.027 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 50 | 0 | Left Side | 10mm | Sample 1 | DSI3 | 26140 | 1860 | 23.64 | 24.30 | 1.164 | 0 | 0.018 | 0.021 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 1 | 0 | Right Side | 10mm | Sample 1 | DSI3 | 26140 | 1860 | 23.68 | 24.30 | 1.153 | 0.07 | 0.145 | 0.167 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 1 | 0 | Right Side | 10mm | Sample 1 | DSI3 | 26340 | 1880 | 23.67 | 24.30 | 1.156 | 0.01 | 0.153 | 0.177 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 1 | 0 | Right Side | 10mm | Sample 1 | DSI3 | 26590 | 1905 | 23.59 | 24.30 | 1.178 | -0.1 | 0.194 | 0.228 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 50 | 0 | Right Side | 10mm | Sample 1 | DSI3 | 26140 | 1860 | 23.64 | 24.30 | 1.164 | -0.04 | 0.137 | 0.159 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 1 | 0 | Bottom Side | 10mm | Sample 1 | DSI3 | 26140 | 1860 | 23.68 | 24.30 | 1.153 | -0.06 | 0.084 | 0.097 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 50 | 0 | Bottom Side | 10mm | Sample 1 | DSI3 | 26140 | 1860 | 23.64 | 24.30 | 1.164 | 0.09 | 0.083 | 0.097 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 1 | 0 | Right Side | 10mm | Sample 2 | DSI3 | 26590 | 1905 | 23.59 | 24.30 | 1.178 | -0.17 | 0.168 | 0.198 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 1 | 0 | Right Side | 10mm | Sample 3 | DSI3 | 26590 | 1905 | 23.59 | 24.30 | 1.178 | 0.03 | 0.164 | 0.193 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 1 | 0 | Front | 10mm | Sample 1 | DSI3 | 26340 | 1880 | 20.44 | 21.20 | 1.191 | -0.04 | 0.127 | 0.151 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 50 | 0 | Front | 10mm | Sample 1 | DSI3 | 26340 | 1880 | 19.52 | 20.20 | 1.169 | -0.1 | 0.104 | 0.122 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 1 | 0 | Back | 10mm | Sample 1 | DSI3 | 26340 | 1880 | 20.44 | 21.20 | 1.191 | 0.11 | 0.524 | 0.624 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 1 | 0 | Back | 10mm | Sample 1 | DSI3 | 26140 | 1860 | 20.29 | 21.20 | 1.233 | -0.14 | 0.341 | 0.420 |
| 42 | LTE Band 25_Ant 4 | 20M | QPSK | 1 | 0 | Back | 10mm | Sample 1 | DSI3 | 26590 | 1905 | 20.43 | 21.20 | 1.194 | -0.05 | 0.666 | 0.795 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 50 | 0 | Back | 10mm | Sample 1 | DSI3 | 26340 | 1880 | 19.52 | 20.20 | 1.169 | 0.07 | 0.465 | 0.544 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 1 | DSI3 | 26340 | 1880 | 20.44 | 21.20 | 1.191 | 0.09 | 0.105 | 0.125 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 50 | 0 | Left Side | 10mm | Sample 1 | DSI3 | 26340 | 1880 | 19.52 | 20.20 | 1.169 | -0.16 | 0.099 | 0.116 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 1 | 0 | Right Side | 10mm | Sample 1 | DSI3 | 26340 | 1880 | 20.44 | 21.20 | 1.191 | -0.1 | 0.001 | 0.001 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 50 | 0 | Right Side | 10mm | Sample 1 | DSI3 | 26340 | 1880 | 19.52 | 20.20 | 1.169 | -0.03 | 0.001 | 0.001 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 1 | 0 | Bottom Side | 10mm | Sample 1 | DSI3 | 26340 | 1880 | 20.44 | 21.20 | 1.191 | 0.01 | 0.172 | 0.205 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 50 | 0 | Bottom Side | 10mm | Sample 1 | DSI3 | 26340 | 1880 | 19.52 | 20.20 | 1.169 | -0.19 | 0.128 | 0.150 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 1 | 0 | Back | 10mm | Sample 2 | DSI3 | 26590 | 1905 | 20.43 | 21.20 | 1.194 | 0.07 | 0.661 | 0.789 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 1 | 0 | Back | 10mm | Sample 3 | DSI3 | 26590 | 1905 | 20.43 | 21.20 | 1.194 | 0.07 | 0.544 | 0.650 |
| | LTE Band 26_Ant 4 | 15M | QPSK | 1 | 0 | Front | 10mm | Sample 1 | DSI0 | 26865 | 831.5 | 23.65 | 25.20 | 1.429 | 0.09 | 0.222 | 0.317 |
| | LTE Band 26_Ant 4 | 15M | QPSK | 36 | 0 | Front | 10mm | Sample 1 | DSI0 | 26865 | 831.5 | 23.44 | 24.20 | 1.191 | -0.17 | 0.185 | 0.220 |
| 43 | LTE Band 26_Ant 4 | 15M | QPSK | 1 | 0 | Back | 10mm | Sample 1 | DSI0 | 26865 | 831.5 | 23.65 | 25.20 | 1.429 | -0.02 | 0.399 | 0.570 |
| | LTE Band 26_Ant 4 | 15M | QPSK | 36 | 0 | Back | 10mm | Sample 1 | DSI0 | 26865 | 831.5 | 23.44 | 24.20 | 1.191 | -0.16 | 0.334 | 0.398 |
| | LTE Band 26_Ant 4 | 15M | QPSK | 1 | 0 | Left Side | 10mm | Sample 1 | DSI0 | 26865 | 831.5 | 23.65 | 25.20 | 1.429 | -0.13 | 0.208 | 0.297 |
| | LTE Band 26_Ant 4 | 15M | QPSK | 36 | 0 | Left Side | 10mm | Sample 1 | DSI0 | 26865 | 831.5 | 23.44 | 24.20 | 1.191 | -0.19 | 0.171 | 0.204 |
| | LTE Band 26_Ant 4 | 15M | QPSK | 1 | 0 | Right Side | 10mm | Sample 1 | DSI0 | 26865 | 831.5 | 23.65 | 25.20 | 1.429 | 0.08 | 0.049 | 0.070 |
| | LTE Band 26_Ant 4 | 15M | QPSK | 36 | 0 | Right Side | 10mm | Sample 1 | DSI0 | 26865 | 831.5 | 23.44 | 24.20 | 1.191 | -0.03 | 0.001 | 0.001 |
| | LTE Band 26_Ant 4 | 15M | QPSK | 1 | 0 | Bottom Side | 10mm | Sample 1 | DSI0 | 26865 | 831.5 | 23.65 | 25.20 | 1.429 | -0.07 | 0.268 | 0.383 |
| | LTE Band 26_Ant 4 | 15M | QPSK | 36 | 0 | Bottom Side | 10mm | Sample 1 | DSI0 | 26865 | 831.5 | 23.44 | 24.20 | 1.191 | 0.03 | 0.204 | 0.243 |
| | LTE Band 26_Ant 4 | 15M | QPSK | 1 | 0 | Back | 10mm | Sample 2 | DSI0 | 26865 | 831.5 | 23.65 | 25.20 | 1.429 | 0.09 | 0.358 | 0.512 |
| | LTE Band 26_Ant 4 | 15M | QPSK | 1 | 0 | Back | 10mm | Sample 3 | DSI0 | 26865 | 831.5 | 23.65 | 25.20 | 1.429 | 0.01 | 0.292 | 0.417 |
| | LTE Band 5B_Ant 4 | 10M | QPSK | 1 | 0 | Back | 10mm | Sample 1 | DSI0 | 20575 | 841.5 | 25.09 | 25.20 | 1.026 | 0.03 | 0.334 | 0.343 |

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Sample | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LTE Band 66_Ant 2 | 20M | QPSK | 1 | 0 | Front | 10mm | Sample 1 | DSI3 | 132572 | 1770 | 23.86 | 24.20 | 1.081 | -0.02 | 0.100 | 0.108 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 50 | 0 | Front | 10mm | Sample 1 | DSI3 | 132572 | 1770 | 23.03 | 23.20 | 1.040 | -0.14 | 0.091 | 0.095 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 1 | 0 | Back | 10mm | Sample 1 | DSI3 | 132572 | 1770 | 23.86 | 24.20 | 1.081 | 0.01 | 0.175 | 0.189 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 1 | 0 | Back | 10mm | Sample 1 | DSI3 | 132072 | 1720 | 23.44 | 24.20 | 1.191 | -0.15 | 0.099 | 0.118 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 1 | 0 | Back | 10mm | Sample 1 | DSI3 | 132322 | 1745 | 23.52 | 24.20 | 1.169 | 0.05 | 0.126 | 0.147 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 50 | 0 | Back | 10mm | Sample 1 | DSI3 | 132572 | 1770 | 23.03 | 23.20 | 1.040 | -0.19 | 0.167 | 0.174 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 1 | DSI3 | 132572 | 1770 | 23.86 | 24.20 | 1.081 | 0.1 | 0.019 | 0.021 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 50 | 0 | Left Side | 10mm | Sample 1 | DSI3 | 132572 | 1770 | 23.03 | 23.20 | 1.040 | 0.01 | 0.001 | 0.001 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 1 | 0 | Right Side | 10mm | Sample 1 | DSI3 | 132572 | 1770 | 23.86 | 24.20 | 1.081 | -0.11 | 0.147 | 0.159 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 50 | 0 | Right Side | 10mm | Sample 1 | DSI3 | 132572 | 1770 | 23.03 | 23.20 | 1.040 | -0.01 | 0.099 | 0.103 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 1 | 0 | Bottom Side | 10mm | Sample 1 | DSI3 | 132572 | 1770 | 23.86 | 24.20 | 1.081 | 0.04 | 0.067 | 0.072 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 50 | 0 | Bottom Side | 10mm | Sample 1 | DSI3 | 132572 | 1770 | 23.03 | 23.20 | 1.040 | 0.03 | 0.070 | 0.073 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 1 | 0 | Back | 10mm | Sample 2 | DSI3 | 132572 | 1770 | 23.86 | 24.20 | 1.081 | -0.08 | 0.306 | 0.331 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 1 | 0 | Back | 10mm | Sample 3 | DSI3 | 132572 | 1770 | 23.86 | 24.20 | 1.081 | -0.05 | 0.259 | 0.280 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 1 | 0 | Front | 10mm | Sample 1 | DSI3 | 132572 | 1770 | 22.38 | 22.40 | 1.005 | -0.12 | 0.151 | 0.152 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 50 | 0 | Front | 10mm | Sample 1 | DSI3 | 132572 | 1770 | 21.36 | 21.40 | 1.009 | -0.05 | 0.122 | 0.123 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 1 | 0 | Back | 10mm | Sample 1 | DSI3 | 132572 | 1770 | 22.38 | 22.40 | 1.005 | -0.17 | 0.336 | 0.338 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 50 | 0 | Back | 10mm | Sample 1 | DSI3 | 132572 | 1770 | 21.36 | 21.40 | 1.009 | -0.17 | 0.318 | 0.321 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 1 | DSI3 | 132572 | 1770 | 22.38 | 22.40 | 1.005 | -0.02 | 0.179 | 0.180 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 50 | 0 | Left Side | 10mm | Sample 1 | DSI3 | 132572 | 1770 | 21.36 | 21.40 | 1.009 | -0.04 | 0.101 | 0.102 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 1 | 0 | Right Side | 10mm | Sample 1 | DSI3 | 132572 | 1770 | 22.38 | 22.40 | 1.005 | -0.02 | 0.074 | 0.074 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 50 | 0 | Right Side | 10mm | Sample 1 | DSI3 | 132572 | 1770 | 21.36 | 21.40 | 1.009 | 0.02 | 0.033 | 0.033 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 1 | 0 | Bottom Side | 10mm | Sample 1 | DSI3 | 132572 | 1770 | 22.38 | 22.40 | 1.005 | 0.06 | 0.344 | 0.346 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 1 | 0 | Bottom Side | 10mm | Sample 1 | DSI3 | 132072 | 1720 | 22.34 | 22.40 | 1.014 | -0.13 | 0.464 | 0.470 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 1 | 0 | Bottom Side | 10mm | Sample 1 | DSI3 | 132322 | 1745 | 22.37 | 22.40 | 1.007 | 0.05 | 0.471 | 0.474 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 50 | 0 | Bottom Side | 10mm | Sample 1 | DSI3 | 132572 | 1770 | 21.36 | 21.40 | 1.009 | 0.09 | 0.293 | 0.296 |
| 44 | LTE Band 66_Ant 4 | 20M | QPSK | 1 | 0 | Bottom Side | 10mm | Sample 2 | DSI3 | 132322 | 1745 | 22.37 | 22.40 | 1.007 | -0.11 | 0.695 | 0.700 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 1 | 0 | Bottom Side | 10mm | Sample 3 | DSI3 | 132322 | 1745 | 22.37 | 22.40 | 1.007 | -0.13 | 0.676 | 0.681 |
| | LTE Band 66B_Ant 4 | 15M | QPSK | 1 | 0 | Bottom Side | 10mm | Sample 2 | DSI3 | 132322 | 1745 | 22.21 | 22.40 | 1.045 | -0.1 | 0.486 | 0.508 |
| | LTE Band 66C_Ant 4 | 20M | QPSK | 1 | 0 | Bottom Side | 10mm | Sample 2 | DSI3 | 132322 | 1745 | 22.13 | 22.40 | 1.064 | -0.14 | 0.532 | 0.566 |
| | LTE Band 71_Ant 0 | 20M | QPSK | 1 | 0 | Front | 10mm | Sample 1 | DSI0 | 133297 | 680.5 | 23.70 | 24.70 | 1.259 | -0.01 | 0.302 | 0.380 |
| | LTE Band 71_Ant 0 | 20M | QPSK | 50 | 0 | Front | 10mm | Sample 1 | DSI0 | 133297 | 680.5 | 22.68 | 23.70 | 1.265 | 0.11 | 0.264 | 0.334 |
| | LTE Band 71_Ant 0 | 20M | QPSK | 1 | 0 | Back | 10mm | Sample 1 | DSI0 | 133297 | 680.5 | 23.70 | 24.70 | 1.259 | 0.01 | 0.369 | 0.465 |
| | LTE Band 71_Ant 0 | 20M | QPSK | 50 | 0 | Back | 10mm | Sample 1 | DSI0 | 133297 | 680.5 | 22.68 | 23.70 | 1.265 | -0.07 | 0.302 | 0.382 |
| | LTE Band 71_Ant 0 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 1 | DSI0 | 133297 | 680.5 | 23.70 | 24.70 | 1.259 | 0.03 | 0.266 | 0.335 |
| | LTE Band 71_Ant 0 | 20M | QPSK | 50 | 0 | Left Side | 10mm | Sample 1 | DSI0 | 133297 | 680.5 | 22.68 | 23.70 | 1.265 | -0.14 | 0.229 | 0.290 |
| | LTE Band 71_Ant 0 | 20M | QPSK | 1 | 0 | Right Side | 10mm | Sample 1 | DSI0 | 133297 | 680.5 | 23.70 | 24.70 | 1.259 | -0.13 | 0.378 | 0.476 |
| | LTE Band 71_Ant 0 | 20M | QPSK | 50 | 0 | Right Side | 10mm | Sample 1 | DSI0 | 133297 | 680.5 | 22.68 | 23.70 | 1.265 | 0.07 | 0.351 | 0.444 |
| | LTE Band 71_Ant 0 | 20M | QPSK | 1 | 0 | Bottom Side | 10mm | Sample 1 | DSI0 | 133297 | 680.5 | 23.70 | 24.70 | 1.259 | 0.01 | 0.328 | 0.413 |
| | LTE Band 71_Ant 0 | 20M | QPSK | 50 | 0 | Bottom Side | 10mm | Sample 1 | DSI0 | 133297 | 680.5 | 22.68 | 23.70 | 1.265 | 0.03 | 0.239 | 0.302 |
| | LTE Band 71_Ant 0 | 20M | QPSK | 1 | 0 | Right Side | 10mm | Sample 2 | DSI0 | 133297 | 680.5 | 23.70 | 24.70 | 1.259 | 0.03 | 0.287 | 0.361 |
| 45 | LTE Band 71_Ant 0 | 20M | QPSK | 1 | 0 | Right Side | 10mm | Sample 3 | DSI0 | 133297 | 680.5 | 23.70 | 24.70 | 1.259 | -0.02 | 0.495 | 0.623 |

## <TDD LTE SAR>

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Sample | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Front | 10mm | Sample 1 | DSI0 | 41055 | 2636.5 | 24.34 | 25.00 | 1.164 | 62.9 | 1.006 | -0.18 | 0.138 | 0.162 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 50 | 0 | Front | 10mm | Sample 1 | DSI0 | 41055 | 2636.5 | 23.19 | 24.00 | 1.205 | 62.9 | 1.006 | 0.08 | 0.108 | 0.131 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Back | 10mm | Sample 1 | DSI0 | 41055 | 2636.5 | 24.34 | 25.00 | 1.164 | 62.9 | 1.006 | -0.18 | 0.432 | 0.506 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 50 | 0 | Back | 10mm | Sample 1 | DSI0 | 41055 | 2636.5 | 23.19 | 24.00 | 1.205 | 62.9 | 1.006 | -0.06 | 0.294 | 0.356 |
| 46 | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 1 | DSI0 | 41055 | 2636.5 | 24.34 | 25.00 | 1.164 | 62.9 | 1.006 | -0.17 | 0.490 | 0.574 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 1 | DSI0 | 39750 | 2506 | 23.83 | 25.00 | 1.309 | 62.9 | 1.006 | 0.02 | 0.264 | 0.348 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 1 | DSI0 | 40185 | 2549.5 | 23.90 | 25.00 | 1.288 | 62.9 | 1.006 | 0.03 | 0.291 | 0.377 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 1 | DSI0 | 40620 | 2593 | 24.20 | 25.00 | 1.202 | 62.9 | 1.006 | -0.13 | 0.243 | 0.294 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 1 | DSI0 | 41490 | 2680 | 24.22 | 25.00 | 1.197 | 62.9 | 1.006 | 0 | 0.281 | 0.338 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 1 | DSI0 | 39790 | 2510 | 23.81 | 25.00 | 1.315 | 62.9 | 1.006 | 0.1 | 0.275 | 0.364 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 50 | 0 | Left Side | 10mm | Sample 1 | DSI0 | 41055 | 2636.5 | 23.19 | 24.00 | 1.205 | 62.9 | 1.006 | -0.12 | 0.344 | 0.417 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Right Side | 10mm | Sample 1 | DSI0 | 41055 | 2636.5 | 24.34 | 25.00 | 1.164 | 62.9 | 1.006 | 0 | 0.001 | 0.001 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 50 | 0 | Right Side | 10mm | Sample 1 | DSI0 | 41055 | 2636.5 | 23.19 | 24.00 | 1.205 | 62.9 | 1.006 | -0.14 | 0.001 | 0.001 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Bottom Side | 10mm | Sample 1 | DSI0 | 41055 | 2636.5 | 24.34 | 25.00 | 1.164 | 62.9 | 1.006 | 0.04 | 0.210 | 0.246 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 50 | 0 | Bottom Side | 10mm | Sample 1 | DSI0 | 41055 | 2636.5 | 23.19 | 24.00 | 1.205 | 62.9 | 1.006 | 0.11 | 0.142 | 0.172 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 2 | DSI0 | 41055 | 2636.5 | 24.34 | 25.00 | 1.164 | 62.9 | 1.006 | 0.08 | 0.469 | 0.549 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 3 | DSI0 | 41055 | 2636.5 | 24.34 | 25.00 | 1.164 | 62.9 | 1.006 | 0.07 | 0.282 | 0.330 |
| | LTE Band 41C_Ant 6 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 1 | DSI0 | 40620 | 2593 | 24.69 | 25.00 | 1.074 | 62.9 | 1.006 | -0.03 | 0.495 | 0.535 |
| | LTE Band 41_HPUE_Ant 6 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 1 | DSI0 | 41055 | 2636.5 | 26.97 | 27.00 | 1.007 | 62.9 | 1.006 | 0.08 | 0.558 | 0.565 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Front | 10mm | Sample 1 | DSI3 | 55340 | 3560 | 20.45 | 21.90 | 1.396 | 62.9 | 1.006 | 0.03 | 0.187 | 0.263 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 50 | 0 | Front | 10mm | Sample 1 | DSI3 | 55340 | 3560 | 20.12 | 21.90 | 1.507 | 62.9 | 1.006 | 0.09 | 0.186 | 0.282 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Back | 10mm | Sample 1 | DSI3 | 55340 | 3560 | 20.45 | 21.90 | 1.396 | 62.9 | 1.006 | -0.12 | 0.221 | 0.310 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 50 | 0 | Back | 10mm | Sample 1 | DSI3 | 55340 | 3560 | 20.12 | 21.90 | 1.507 | 62.9 | 1.006 | -0.03 | 0.227 | 0.344 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 1 | DSI3 | 55340 | 3560 | 20.45 | 21.90 | 1.396 | 62.9 | 1.006 | -0.03 | 0.058 | 0.081 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 50 | 0 | Left Side | 10mm | Sample 1 | DSI3 | 55340 | 3560 | 20.12 | 21.90 | 1.507 | 62.9 | 1.006 | -0.06 | 0.062 | 0.094 |
| 47 | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Right Side | 10mm | Sample 1 | DSI3 | 55340 | 3560 | 20.45 | 21.90 | 1.396 | 62.9 | 1.006 | 0.18 | 0.540 | 0.759 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Right Side | 10mm | Sample 1 | DSI3 | 55830 | 3609 | 20.25 | 21.90 | 1.462 | 62.9 | 1.006 | -0.17 | 0.501 | 0.737 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Right Side | 10mm | Sample 1 | DSI3 | 56150 | 3641 | 20.27 | 21.90 | 1.455 | 62.9 | 1.006 | -0.09 | 0.488 | 0.715 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Right Side | 10mm | Sample 1 | DSI3 | 56640 | 3690 | 20.44 | 21.90 | 1.400 | 62.9 | 1.006 | -0.15 | 0.517 | 0.728 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 50 | 0 | Right Side | 10mm | Sample 1 | DSI3 | 55340 | 3560 | 20.12 | 21.90 | 1.507 | 62.9 | 1.006 | -0.11 | 0.431 | 0.653 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 50 | 0 | Right Side | 10mm | Sample 1 | DSI3 | 55830 | 3609 | 19.98 | 21.90 | 1.556 | 62.9 | 1.006 | -0.06 | 0.457 | 0.715 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 50 | 0 | Right Side | 10mm | Sample 1 | DSI3 | 56150 | 3641 | 20.00 | 21.90 | 1.549 | 62.9 | 1.006 | -0.14 | 0.453 | 0.706 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 50 | 0 | Right Side | 10mm | Sample 1 | DSI3 | 56640 | 3690 | 20.11 | 21.90 | 1.510 | 62.9 | 1.006 | -0.11 | 0.436 | 0.662 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 100 | 0 | Right Side | 10mm | Sample 1 | DSI3 | 56640 | 3690 | 20.12 | 21.90 | 1.507 | 62.9 | 1.006 | -0.06 | 0.452 | 0.685 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Bottom Side | 10mm | Sample 1 | DSI3 | 55340 | 3560 | 20.45 | 21.90 | 1.396 | 62.9 | 1.006 | 0.01 | 0.083 | 0.117 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 50 | 0 | Bottom Side | 10mm | Sample 1 | DSI3 | 55340 | 3560 | 20.12 | 21.90 | 1.507 | 62.9 | 1.006 | -0.18 | 0.059 | 0.089 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Right Side | 10mm | Sample 2 | DSI3 | 55830 | 3609 | 20.25 | 21.90 | 1.462 | 62.9 | 1.006 | 0.06 | 0.268 | 0.394 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Right Side | 10mm | Sample 3 | DSI3 | 55830 | 3609 | 20.25 | 21.90 | 1.462 | 62.9 | 1.006 | -0.18 | 0.382 | 0.562 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Front | 10mm | Sample 1 | DSI3 | 55340 | 3560 | 20.28 | 20.30 | 1.005 | 62.9 | 1.006 | -0.19 | 0.074 | 0.075 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 50 | 0 | Front | 10mm | Sample 1 | DSI3 | 55340 | 3560 | 19.22 | 19.30 | 1.019 | 62.9 | 1.006 | 0.01 | 0.052 | 0.053 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Back | 10mm | Sample 1 | DSI3 | 55340 | 3560 | 20.28 | 20.30 | 1.005 | 62.9 | 1.006 | -0.14 | 0.065 | 0.066 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 50 | 0 | Back | 10mm | Sample 1 | DSI3 | 55340 | 3560 | 19.22 | 19.30 | 1.019 | 62.9 | 1.006 | 0.09 | 0.057 | 0.058 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 1 | DSI3 | 55340 | 3560 | 20.28 | 20.30 | 1.005 | 62.9 | 1.006 | 0.05 | 0.139 | 0.140 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 1 | DSI3 | 55830 | 3609 | 20.23 | 20.30 | 1.016 | 62.9 | 1.006 | -0.06 | 0.180 | 0.184 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 1 | DSI3 | 56150 | 3641 | 20.22 | 20.30 | 1.019 | 62.9 | 1.006 | 0.1 | 0.159 | 0.163 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 1 | DSI3 | 56640 | 3690 | 20.27 | 20.30 | 1.007 | 62.9 | 1.006 | -0.1 | 0.188 | 0.190 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 50 | 0 | Left Side | 10mm | Sample 1 | DSI3 | 55340 | 3560 | 19.22 | 19.30 | 1.019 | 62.9 | 1.006 | 0.03 | 0.129 | 0.132 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Right Side | 10mm | Sample 1 | DSI3 | 55340 | 3560 | 20.28 | 20.30 | 1.005 | 62.9 | 1.006 | 0.04 | 0.028 | 0.028 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 50 | 0 | Right Side | 10mm | Sample 1 | DSI3 | 55340 | 3560 | 19.22 | 19.30 | 1.019 | 62.9 | 1.006 | -0.09 | 0.025 | 0.026 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Bottom Side | 10mm | Sample 1 | DSI3 | 55340 | 3560 | 20.28 | 20.30 | 1.005 | 62.9 | 1.006 | 0.06 | 0.021 | 0.021 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 50 | 0 | Bottom Side | 10mm | Sample 1 | DSI3 | 55340 | 3560 | 19.22 | 19.30 | 1.019 | 62.9 | 1.006 | -0.07 | 0.018 | 0.018 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 2 | DSI3 | 55340 | 3560 | 20.28 | 20.30 | 1.005 | 62.9 | 1.006 | -0.16 | 0.279 | 0.282 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 2 | DSI3 | 55830 | 3609 | 20.23 | 20.30 | 1.016 | 62.9 | 1.006 | -0.01 | 0.299 | 0.306 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 2 | DSI3 | 56150 | 3641 | 20.22 | 20.30 | 1.019 | 62.9 | 1.006 | 0.11 | 0.314 | 0.322 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 2 | DSI3 | 56640 | 3690 | 20.27 | 20.30 | 1.007 | 62.9 | 1.006 | -0.01 | 0.319 | 0.323 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 50 | 0 | Left Side | 10mm | Sample 2 | DSI3 | 55340 | 3560 | 19.22 | 19.30 | 1.019 | 62.9 | 1.006 | 0.07 | 0.303 | 0.310 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 3 | DSI3 | 55340 | 3560 | 20.28 | 20.30 | 1.005 | 62.9 | 1.006 | -0.14 | 0.316 | 0.319 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 3 | DSI3 | 55830 | 3609 | 20.23 | 20.30 | 1.016 | 62.9 | 1.006 | -0.15 | 0.294 | 0.301 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 3 | DSI3 | 56150 | 3641 | 20.22 | 20.30 | 1.019 | 62.9 | 1.006 | 0.11 | 0.300 | 0.307 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 3 | DSI3 | 56640 | 3690 | 20.27 | 20.30 | 1.007 | 62.9 | 1.006 | -0.08 | 0.303 | 0.307 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 50 | 0 | Left Side | 10mm | Sample 3 | DSI3 | 55340 | 3560 | 19.22 | 19.30 | 1.019 | 62.9 | 1.006 | 0.11 | 0.295 | 0.302 |
| | LTE Band 48C_Ant 11 | 20M | QPSK | 1 | 0 | Left Side | 10mm | Sample 2 | DSI3 | 55340 | 3560 | 20.18 | 20.30 | 1.028 | 62.9 | 1.006 | -0.02 | 0.316 | 0.327 |

## <5G NR SAR>

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Sample | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FR1 n7_Ant 6 | 20M | BPSK | 1 | 1 | Front | 10mm | Sample 1 | DSI3 | 507000 | 2535 | 22.44 | 23.20 | 1.191 | -0.13 | 0.222 | 0.264 |
| | FR1 n7_Ant 6 | 20M | BPSK | 50 | 28 | Front | 10mm | Sample 1 | DSI3 | 507000 | 2535 | 22.37 | 23.20 | 1.211 | -0.1 | 0.273 | 0.330 |
| | FR1 n7_Ant 6 | 20M | BPSK | 1 | 1 | Back | 10mm | Sample 1 | DSI3 | 507000 | 2535 | 22.44 | 23.20 | 1.191 | -0.16 | 0.464 | 0.553 |
| | FR1 n7_Ant 6 | 20M | BPSK | 50 | 28 | Back | 10mm | Sample 1 | DSI3 | 507000 | 2535 | 22.37 | 23.20 | 1.211 | -0.1 | 0.592 | 0.717 |
| | FR1 n7_Ant 6 | 20M | BPSK | 1 | 1 | Left Side | 10mm | Sample 1 | DSI3 | 507000 | 2535 | 22.44 | 23.20 | 1.191 | -0.17 | 0.524 | 0.624 |
| 48 | FR1 n7_Ant 6 | 20M | BPSK | 50 | 28 | Left Side | 10mm | Sample 1 | DSI3 | 507000 | 2535 | 22.37 | 23.20 | 1.211 | -0.1 | 0.601 | 0.728 |
| | FR1 n7_Ant 6 | 20M | BPSK | 50 | 28 | Left Side | 10mm | Sample 1 | DSI3 | 502000 | 2510 | 22.30 | 23.20 | 1.230 | 0.015 | 0.587 | 0.722 |
| | FR1 n7_Ant 6 | 20M | BPSK | 50 | 28 | Left Side | 10mm | Sample 1 | DSI3 | 512000 | 2560 | 21.89 | 23.20 | 1.352 | -0.09 | 0.490 | 0.663 |
| | FR1 n7_Ant 6 | 20M | BPSK | 1 | 1 | Right Side | 10mm | Sample 1 | DSI3 | 507000 | 2535 | 22.44 | 23.20 | 1.191 | 0.07 | 0.001 | 0.001 |
| | FR1 n7_Ant 6 | 20M | BPSK | 50 | 28 | Right Side | 10mm | Sample 1 | DSI3 | 507000 | 2535 | 22.37 | 23.20 | 1.211 | 0.07 | 0.042 | 0.051 |
| | FR1 n7_Ant 6 | 20M | BPSK | 1 | 1 | Bottom Side | 10mm | Sample 1 | DSI3 | 507000 | 2535 | 22.44 | 23.20 | 1.191 | -0.16 | 0.230 | 0.274 |
| | FR1 n7_Ant 6 | 20M | BPSK | 50 | 28 | Bottom Side | 10mm | Sample 1 | DSI3 | 507000 | 2535 | 22.37 | 23.20 | 1.211 | 0 | 0.280 | 0.339 |
| | FR1 n7_Ant 6 | 20M | BPSK | 50 | 28 | Left Side | 10mm | Sample 2 | DSI3 | 507000 | 2535 | 22.37 | 23.20 | 1.211 | -0.09 | 0.488 | 0.591 |
| | FR1 n7_Ant 6 | 20M | BPSK | 50 | 28 | Left Side | 10mm | Sample 3 | DSI3 | 507000 | 2535 | 22.37 | 23.20 | 1.211 | -0.08 | 0.533 | 0.645 |
| | FR1 n12_Ant 0 | 15M | BPSK | 1 | 1 | Front | 10mm | Sample 1 | DSI0 | 141500 | 707.5 | 24.62 | 24.70 | 1.019 | 0.11 | 0.067 | 0.068 |
| | FR1 n12_Ant 0 | 15M | BPSK | 36 | 22 | Front | 10mm | Sample 1 | DSI0 | 141500 | 707.5 | 24.14 | 24.70 | 1.138 | 0 | 0.073 | 0.083 |
| | FR1 n12_Ant 0 | 15M | BPSK | 1 | 1 | Back | 10mm | Sample 1 | DSI0 | 141500 | 707.5 | 24.62 | 24.70 | 1.019 | -0.03 | 0.075 | 0.076 |
| | FR1 n12_Ant 0 | 15M | BPSK | 36 | 22 | Back | 10mm | Sample 1 | DSI0 | 141500 | 707.5 | 24.14 | 24.70 | 1.138 | -0.14 | 0.084 | 0.096 |
| | FR1 n12_Ant 0 | 15M | BPSK | 1 | 1 | Left Side | 10mm | Sample 1 | DSI0 | 141500 | 707.5 | 24.62 | 24.70 | 1.019 | -0.03 | 0.031 | 0.032 |
| | FR1 n12_Ant 0 | 15M | BPSK | 36 | 22 | Left Side | 10mm | Sample 1 | DSI0 | 141500 | 707.5 | 24.14 | 24.70 | 1.138 | -0.11 | 0.043 | 0.049 |
| | FR1 n12_Ant 0 | 15M | BPSK | 1 | 1 | Right Side | 10mm | Sample 1 | DSI0 | 141500 | 707.5 | 24.62 | 24.70 | 1.019 | -0.12 | 0.072 | 0.073 |
| | FR1 n12_Ant 0 | 15M | BPSK | 36 | 22 | Right Side | 10mm | Sample 1 | DSI0 | 141500 | 707.5 | 24.14 | 24.70 | 1.138 | -0.17 | 0.072 | 0.082 |
| 49 | FR1 n12_Ant 0 | 15M | BPSK | 1 | 1 | Bottom Side | 10mm | Sample 1 | DSI0 | 141500 | 707.5 | 24.62 | 24.70 | 1.019 | -0.06 | 0.097 | 0.099 |
| | FR1 n12_Ant 0 | 15M | BPSK | 36 | 22 | Bottom Side | 10mm | Sample 1 | DSI0 | 141500 | 707.5 | 24.14 | 24.70 | 1.138 | -0.06 | 0.084 | 0.096 |
| | FR1 n12_Ant 0 | 15M | BPSK | 1 | 1 | Bottom Side | 10mm | Sample 2 | DSI0 | 141500 | 707.5 | 24.62 | 24.70 | 1.019 | -0.05 | 0.079 | 0.080 |
| | FR1 n12_Ant 0 | 15M | BPSK | 1 | 1 | Bottom Side | 10mm | Sample 3 | DSI0 | 141500 | 707.5 | 24.62 | 24.70 | 1.019 | 0.04 | 0.087 | 0.089 |
| | FR1 n13_Ant 0 | 10M | BPSK | 1 | 1 | Front | 10mm | Sample 1 | DSI0 | 156400 | 782 | 23.67 | 24.50 | 1.211 | -0.03 | 0.231 | 0.280 |
| | FR1 n13_Ant 0 | 10M | BPSK | 25 | 14 | Front | 10mm | Sample 1 | DSI0 | 156400 | 782 | 23.54 | 24.50 | 1.247 | -0.12 | 0.239 | 0.298 |
| | FR1 n13_Ant 0 | 10M | BPSK | 1 | 1 | Back | 10mm | Sample 1 | DSI0 | 156400 | 782 | 23.67 | 24.50 | 1.211 | -0.18 | 0.416 | 0.504 |
| | FR1 n13_Ant 0 | 10M | BPSK | 25 | 14 | Back | 10mm | Sample 1 | DSI0 | 156400 | 782 | 23.54 | 24.50 | 1.247 | -0.01 | 0.422 | 0.526 |
| | FR1 n13_Ant 0 | 10M | BPSK | 1 | 1 | Left Side | 10mm | Sample 1 | DSI0 | 156400 | 782 | 23.67 | 24.50 | 1.211 | 0.08 | 0.097 | 0.117 |
| | FR1 n13_Ant 0 | 10M | BPSK | 25 | 14 | Left Side | 10mm | Sample 1 | DSI0 | 156400 | 782 | 23.54 | 24.50 | 1.247 | -0.17 | 0.118 | 0.147 |
| | FR1 n13_Ant 0 | 10M | BPSK | 1 | 1 | Right Side | 10mm | Sample 1 | DSI0 | 156400 | 782 | 23.67 | 24.50 | 1.211 | -0.08 | 0.257 | 0.311 |
| | FR1 n13_Ant 0 | 10M | BPSK | 25 | 14 | Right Side | 10mm | Sample 1 | DSI0 | 156400 | 782 | 23.54 | 24.50 | 1.247 | 0.01 | 0.251 | 0.313 |
| | FR1 n13_Ant 0 | 10M | BPSK | 1 | 1 | Bottom Side | 10mm | Sample 1 | DSI0 | 156400 | 782 | 23.67 | 24.50 | 1.211 | 0.02 | 0.406 | 0.492 |
| | FR1 n13_Ant 0 | 10M | BPSK | 25 | 14 | Bottom Side | 10mm | Sample 1 | DSI0 | 156400 | 782 | 23.54 | 24.50 | 1.247 | 0.1 | 0.398 | 0.496 |
| | FR1 n13_Ant 0 | 10M | BPSK | 25 | 14 | Back | 10mm | Sample 2 | DSI0 | 156400 | 782 | 23.54 | 24.50 | 1.247 | -0.01 | 0.486 | 0.606 |
| 50 | FR1 n13_Ant 0 | 10M | BPSK | 25 | 14 | Back | 10mm | Sample 3 | DSI0 | 156400 | 782 | 23.54 | 24.50 | 1.247 | -0.05 | 0.490 | 0.611 |
| | FR1 n14_Ant 0 | 10M | BPSK | 1 | 1 | Front | 10mm | Sample 1 | DSI0 | 158600 | 793 | 23.86 | 24.70 | 1.213 | 0 | 0.124 | 0.150 |
| | FR1 n14_Ant 0 | 10M | BPSK | 25 | 14 | Front | 10mm | Sample 1 | DSI0 | 158600 | 793 | 23.79 | 24.70 | 1.233 | -0.13 | 0.128 | 0.158 |
| | FR1 n14_Ant 0 | 10M | BPSK | 1 | 1 | Back | 10mm | Sample 1 | DSI0 | 158600 | 793 | 23.86 | 24.70 | 1.213 | 0.07 | 0.287 | 0.348 |
| | FR1 n14_Ant 0 | 10M | BPSK | 25 | 14 | Back | 10mm | Sample 1 | DSI0 | 158600 | 793 | 23.79 | 24.70 | 1.233 | -0.19 | 0.295 | 0.364 |
| | FR1 n14_Ant 0 | 10M | BPSK | 1 | 1 | Left Side | 10mm | Sample 1 | DSI0 | 158600 | 793 | 23.86 | 24.70 | 1.213 | 0.11 | 0.081 | 0.098 |
| | FR1 n14_Ant 0 | 10M | BPSK | 25 | 14 | Left Side | 10mm | Sample 1 | DSI0 | 158600 | 793 | 23.79 | 24.70 | 1.233 | -0.02 | 0.077 | 0.095 |
| | FR1 n14_Ant 0 | 10M | BPSK | 1 | 1 | Right Side | 10mm | Sample 1 | DSI0 | 158600 | 793 | 23.86 | 24.70 | 1.213 | -0.06 | 0.121 | 0.147 |
| | FR1 n14_Ant 0 | 10M | BPSK | 25 | 14 | Right Side | 10mm | Sample 1 | DSI0 | 158600 | 793 | 23.79 | 24.70 | 1.233 | 0.04 | 0.150 | 0.185 |
| | FR1 n14_Ant 0 | 10M | BPSK | 1 | 1 | Bottom Side | 10mm | Sample 1 | DSI0 | 158600 | 793 | 23.86 | 24.70 | 1.213 | -0.15 | 0.254 | 0.308 |
| | FR1 n14_Ant 0 | 10M | BPSK | 25 | 14 | Bottom Side | 10mm | Sample 1 | DSI0 | 158600 | 793 | 23.79 | 24.70 | 1.233 | -0.17 | 0.257 | 0.317 |
| | FR1 n14_Ant 0 | 10M | BPSK | 25 | 14 | Back | 10mm | Sample 2 | DSI0 | 158600 | 793 | 23.79 | 24.70 | 1.233 | -0.19 | 0.493 | 0.608 |
| 51 | FR1 n14_Ant 0 | 10M | BPSK | 25 | 14 | Back | 10mm | Sample 3 | DSI0 | 158600 | 793 | 23.79 | 24.70 | 1.233 | -0.08 | 0.507 | 0.625 |

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Sample | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FR1 n25_Ant 2 | 20M | BPSK | 1 | 1 | Front | 10mm | Sample 1 | DSI3 | 376500 | 1882.5 | 23.72 | 24.40 | 1.169 | 0.04 | 0.075 | 0.088 |
| | FR1 n25_Ant 2 | 20M | BPSK | 50 | 28 | Front | 10mm | Sample 1 | DSI3 | 376500 | 1882.5 | 23.70 | 24.40 | 1.175 | -0.08 | 0.077 | 0.090 |
| | FR1 n25_Ant 2 | 20M | BPSK | 1 | 1 | Back | 10mm | Sample 1 | DSI3 | 376500 | 1882.5 | 23.72 | 24.40 | 1.169 | 0.09 | 0.112 | 0.131 |
| | FR1 n25_Ant 2 | 20M | BPSK | 50 | 28 | Back | 10mm | Sample 1 | DSI3 | 376500 | 1882.5 | 23.70 | 24.40 | 1.175 | 0.1 | 0.139 | 0.163 |
| | FR1 n25_Ant 2 | 20M | BPSK | 1 | 1 | Left Side | 10mm | Sample 1 | DSI3 | 376500 | 1882.5 | 23.72 | 24.40 | 1.169 | -0.01 | 0.011 | 0.013 |
| | FR1 n25_Ant 2 | 20M | BPSK | 50 | 28 | Left Side | 10mm | Sample 1 | DSI3 | 376500 | 1882.5 | 23.70 | 24.40 | 1.175 | -0.01 | 0.015 | 0.018 |
| | FR1 n25_Ant 2 | 20M | BPSK | 1 | 1 | Right Side | 10mm | Sample 1 | DSI3 | 376500 | 1882.5 | 23.72 | 24.40 | 1.169 | 0.08 | 0.112 | 0.131 |
| | FR1 n25_Ant 2 | 20M | BPSK | 50 | 28 | Right Side | 10mm | Sample 1 | DSI3 | 376500 | 1882.5 | 23.70 | 24.40 | 1.175 | -0.01 | 0.161 | 0.189 |
| | FR1 n25_Ant 2 | 20M | BPSK | 50 | 28 | Right Side | 10mm | Sample 1 | DSI3 | 372000 | 1860 | 23.50 | 24.40 | 1.230 | 0.03 | 0.153 | 0.188 |
| | FR1 n25_Ant 2 | 20M | BPSK | 50 | 28 | Right Side | 10mm | Sample 1 | DSI3 | 381000 | 1905 | 23.67 | 24.40 | 1.183 | 0.07 | 0.150 | 0.177 |
| | FR1 n25_Ant 2 | 20M | BPSK | 1 | 1 | Bottom Side | 10mm | Sample 1 | DSI3 | 376500 | 1882.5 | 23.72 | 24.40 | 1.169 | 0.02 | 0.044 | 0.051 |
| | FR1 n25_Ant 2 | 20M | BPSK | 50 | 28 | Bottom Side | 10mm | Sample 1 | DSI3 | 376500 | 1882.5 | 23.70 | 24.40 | 1.175 | 0.01 | 0.057 | 0.067 |
| | FR1 n25_Ant 2 | 20M | BPSK | 50 | 28 | Right Side | 10mm | Sample 2 | DSI3 | 376500 | 1882.5 | 23.70 | 24.40 | 1.175 | -0.14 | 0.169 | 0.199 |
| | FR1 n25_Ant 2 | 20M | BPSK | 50 | 28 | Right Side | 10mm | Sample 3 | DSI3 | 376500 | 1882.5 | 23.70 | 24.40 | 1.175 | -0.14 | 0.155 | 0.182 |
| | FR1 n25_Ant 4 | 20M | BPSK | 1 | 1 | Front | 10mm | Sample 1 | DSI3 | 376500 | 1882.5 | 23.73 | 24.20 | 1.114 | 0.05 | 0.138 | 0.154 |
| | FR1 n25_Ant 4 | 20M | BPSK | 50 | 28 | Front | 10mm | Sample 1 | DSI3 | 376500 | 1882.5 | 23.45 | 24.20 | 1.189 | 0.01 | 0.176 | 0.209 |
| | FR1 n25_Ant 4 | 20M | BPSK | 1 | 1 | Back | 10mm | Sample 1 | DSI3 | 376500 | 1882.5 | 23.73 | 24.20 | 1.114 | -0.08 | 0.701 | 0.781 |
| 52 | FR1 n25_Ant 4 | 20M | BPSK | 50 | 28 | Back | 10mm | Sample 1 | DSI3 | 376500 | 1882.5 | 23.45 | 24.20 | 1.189 | -0.1 | 0.886 | 1.053 |
| | FR1 n25_Ant 4 | 20M | BPSK | 50 | 28 | Back | 0mm | Sample 1 | DSI3 | 372000 | 1860 | 23.44 | 24.20 | 1.191 | 0.004 | 0.841 | 1.002 |
| | FR1 n25_Ant 4 | 20M | BPSK | 50 | 28 | Back | 0mm | Sample 1 | DSI3 | 381000 | 1905 | 23.34 | 24.20 | 1.219 | -0.16 | 0.771 | 0.940 |
| | FR1 n25_Ant 4 | 20M | BPSK | 100 | 0 | Back | 10mm | Sample 1 | DSI3 | 376500 | 1882.5 | 23.00 | 23.70 | 1.175 | -0.1 | 0.706 | 0.829 |
| | FR1 n25_Ant 4 | 20M | BPSK | 1 | 1 | Left Side | 10mm | Sample 1 | DSI3 | 376500 | 1882.5 | 23.73 | 24.20 | 1.114 | -0.13 | 0.157 | 0.175 |
| | FR1 n25_Ant 4 | 20M | BPSK | 50 | 28 | Left Side | 10mm | Sample 1 | DSI3 | 376500 | 1882.5 | 23.45 | 24.20 | 1.189 | 0.05 | 0.159 | 0.189 |
| | FR1 n25_Ant 4 | 20M | BPSK | 1 | 1 | Right Side | 10mm | Sample 1 | DSI3 | 376500 | 1882.5 | 23.73 | 24.20 | 1.114 | 0.07 | 0.093 | 0.104 |
| | FR1 n25_Ant 4 | 20M | BPSK | 50 | 28 | Right Side | 10mm | Sample 1 | DSI3 | 376500 | 1882.5 | 23.45 | 24.20 | 1.189 | -0.13 | 0.117 | 0.139 |
| | FR1 n25_Ant 4 | 20M | BPSK | 1 | 1 | Bottom Side | 10mm | Sample 1 | DSI3 | 376500 | 1882.5 | 23.73 | 24.20 | 1.114 | -0.12 | 0.561 | 0.625 |
| | FR1 n25_Ant 4 | 20M | BPSK | 50 | 28 | Bottom Side | 10mm | Sample 1 | DSI3 | 376500 | 1882.5 | 23.45 | 24.20 | 1.189 | -0.01 | 0.650 | 0.773 |
| | FR1 n25_Ant 4 | 20M | BPSK | 50 | 28 | Back | 10mm | Sample 2 | DSI3 | 376500 | 1882.5 | 23.45 | 24.20 | 1.189 | -0.11 | 0.714 | 0.849 |
| | FR1 n25_Ant 4 | 20M | BPSK | 50 | 28 | Back | 10mm | Sample 3 | DSI3 | 376500 | 1882.5 | 23.45 | 24.20 | 1.189 | -0.14 | 0.816 | 0.970 |
| | FR1 n26_Ant 4 | 20M | BPSK | 1 | 1 | Front | 10mm | Sample 1 | DSI0 | 166300 | 831.5 | 24.46 | 25.20 | 1.186 | 0.09 | 0.141 | 0.167 |
| | FR1 n26_Ant 4 | 20M | BPSK | 50 | 28 | Front | 10mm | Sample 1 | DSI0 | 166300 | 831.5 | 24.20 | 25.20 | 1.259 | 0.05 | 0.164 | 0.206 |
| | FR1 n26_Ant 4 | 20M | BPSK | 1 | 1 | Back | 10mm | Sample 1 | DSI0 | 166300 | 831.5 | 24.46 | 25.20 | 1.186 | -0.03 | 0.232 | 0.275 |
| 53 | FR1 n26_Ant 4 | 20M | BPSK | 50 | 28 | Back | 10mm | Sample 1 | DSI0 | 166300 | 831.5 | 24.20 | 25.20 | 1.259 | -0.1 | 0.265 | 0.334 |
| | FR1 n26_Ant 4 | 20M | BPSK | 1 | 1 | Left Side | 10mm | Sample 1 | DSI0 | 166300 | 831.5 | 24.46 | 25.20 | 1.186 | -0.04 | 0.148 | 0.175 |
| | FR1 n26_Ant 4 | 20M | BPSK | 50 | 28 | Left Side | 10mm | Sample 1 | DSI0 | 166300 | 831.5 | 24.20 | 25.20 | 1.259 | 0.01 | 0.164 | 0.206 |
| | FR1 n26_Ant 4 | 20M | BPSK | 1 | 1 | Right Side | 10mm | Sample 1 | DSI0 | 166300 | 831.5 | 24.46 | 25.20 | 1.186 | 0.1 | 0.105 | 0.125 |
| | FR1 n26_Ant 4 | 20M | BPSK | 50 | 28 | Right Side | 10mm | Sample 1 | DSI0 | 166300 | 831.5 | 24.20 | 25.20 | 1.259 | 0.02 | 0.116 | 0.146 |
| | FR1 n26_Ant 4 | 20M | BPSK | 1 | 1 | Bottom Side | 10mm | Sample 1 | DSI0 | 166300 | 831.5 | 24.46 | 25.20 | 1.186 | -0.16 | 0.169 | 0.200 |
| | FR1 n26_Ant 4 | 20M | BPSK | 50 | 28 | Bottom Side | 10mm | Sample 1 | DSI0 | 166300 | 831.5 | 24.20 | 25.20 | 1.259 | -0.17 | 0.186 | 0.234 |
| | FR1 n26_Ant 4 | 20M | BPSK | 50 | 28 | Back | 10mm | Sample 2 | DSI0 | 166300 | 831.5 | 24.20 | 25.20 | 1.259 | 0.05 | 0.154 | 0.194 |
| | FR1 n26_Ant 4 | 20M | BPSK | 50 | 28 | Back | 10mm | Sample 3 | DSI0 | 166300 | 831.5 | 24.20 | 25.20 | 1.259 | -0.14 | 0.168 | 0.211 |

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Sample | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 1 | 1 | Front | 10mm | Sample 1 | DSI3 | 518598 | 2592.99 | 20.22 | 21.90 | 1.472 | -0.19 | 0.115 | 0.169 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 135 | 69 | Front | 10mm | Sample 1 | DSI3 | 518598 | 2592.99 | 20.11 | 21.90 | 1.510 | 0.07 | 0.100 | 0.151 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 1 | 1 | Back | 10mm | Sample 1 | DSI3 | 518598 | 2592.99 | 20.22 | 21.90 | 1.472 | -0.01 | 0.300 | 0.442 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 135 | 69 | Back | 10mm | Sample 1 | DSI3 | 518598 | 2592.99 | 20.11 | 21.90 | 1.510 | -0.04 | 0.309 | 0.467 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 1 | 1 | Left Side | 10mm | Sample 1 | DSI3 | 518598 | 2592.99 | 20.22 | 21.90 | 1.472 | -0.15 | 0.294 | 0.433 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 135 | 69 | Left Side | 10mm | Sample 1 | DSI3 | 518598 | 2592.99 | 20.11 | 21.90 | 1.510 | -0.04 | 0.368 | 0.556 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 1 | 1 | Right Side | 10mm | Sample 1 | DSI3 | 518598 | 2592.99 | 20.22 | 21.90 | 1.472 | -0.06 | 0.038 | 0.056 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 135 | 69 | Right Side | 10mm | Sample 1 | DSI3 | 518598 | 2592.99 | 20.11 | 21.90 | 1.510 | -0.04 | 0.031 | 0.047 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 1 | 1 | Bottom Side | 10mm | Sample 1 | DSI3 | 518598 | 2592.99 | 20.22 | 21.90 | 1.472 | 0 | 0.156 | 0.230 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 135 | 69 | Bottom Side | 10mm | Sample 1 | DSI3 | 518598 | 2592.99 | 20.11 | 21.90 | 1.510 | -0.06 | 0.141 | 0.213 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 135 | 69 | Left Side | 10mm | Sample 2 | DSI3 | 518598 | 2592.99 | 20.11 | 21.90 | 1.510 | -0.05 | 0.393 | 0.593 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 135 | 69 | Left Side | 10mm | Sample 3 | DSI3 | 518598 | 2592.99 | 20.11 | 21.90 | 1.510 | -0.08 | 0.327 | 0.494 |
| | FR1 n41_HPUE_Ant 12 | 100M | CW | - | - | Front | 10mm | Sample 1 | DSI3 | 518598 | 2592.99 | 23.56 | 24.50 | 1.242 | 0.05 | 0.174 | 0.216 |
| | FR1 n41_HPUE_Ant 12 | 100M | CW | - | - | Back | 10mm | Sample 1 | DSI3 | 518598 | 2592.99 | 23.56 | 24.50 | 1.242 | -0.14 | 0.426 | 0.529 |
| | FR1 n41_HPUE_Ant 12 | 100M | CW | - | - | Left Side | 10mm | Sample 1 | DSI3 | 518598 | 2592.99 | 23.56 | 24.50 | 1.242 | -0.05 | 0.157 | 0.195 |
| | FR1 n41_HPUE_Ant 12 | 100M | CW | - | - | Right Side | 10mm | Sample 1 | DSI3 | 518598 | 2592.99 | 23.56 | 24.50 | 1.242 | 0.03 | 0.387 | 0.481 |
| | FR1 n41_HPUE_Ant 12 | 100M | CW | - | - | Bottom Side | 10mm | Sample 1 | DSI3 | 518598 | 2592.99 | 23.56 | 24.50 | 1.242 | -0.18 | 0.075 | 0.093 |
| | FR1 n41_HPUE_Ant 12 | 100M | CW | - | - | Right Side | 10mm | Sample 2 | DSI3 | 518598 | 2592.99 | 23.56 | 24.50 | 1.242 | 0.1 | 0.434 | 0.539 |
| | FR1 n41_HPUE_Ant 12 | 100M | CW | - | - | Right Side | 10mm | Sample 3 | DSI3 | 518598 | 2592.99 | 23.56 | 24.50 | 1.242 | -0.07 | 0.359 | 0.446 |
| 54 | FR1 n41_HPUE_Ant 1 | 100M | CW | - | - | Front | 15mm | Sample 1 | DSI3 | 518598 | 2592.99 | 24.39 | 24.40 | 1.002 | 0.12 | 0.761 | 0.763 |
| | FR1 n41_HPUE_Ant 1 | 100M | CW | - | - | Back | 10mm | Sample 1 | DSI3 | 518598 | 2592.99 | 24.39 | 24.40 | 1.002 | -0.04 | 0.307 | 0.308 |
| | FR1 n41_HPUE_Ant 1 | 100M | CW | - | - | Left Side | 10mm | Sample 1 | DSI3 | 518598 | 2592.99 | 24.39 | 24.40 | 1.002 | 0 | 0.703 | 0.705 |
| | FR1 n41_HPUE_Ant 1 | 100M | CW | - | - | Right Side | 10mm | Sample 1 | DSI3 | 518598 | 2592.99 | 24.39 | 24.40 | 1.002 | -0.06 | 0.001 | 0.001 |
| | FR1 n41_HPUE_Ant 1 | 100M | CW | - | - | Top Side | 10mm | Sample 1 | DSI3 | 518598 | 2592.99 | 24.39 | 24.40 | 1.002 | -0.18 | 0.451 | 0.452 |
| | FR1 n41_HPUE_Ant 1 | 100M | CW | - | - | Bottom Side | 10mm | Sample 1 | DSI3 | 518598 | 2592.99 | 24.39 | 24.40 | 1.002 | -0.18 | 0.001 | 0.001 |
| | FR1 n41_HPUE_Ant 1 | 100M | CW | - | - | Front | 10mm | Sample 2 | DSI3 | 518598 | 2592.99 | 24.39 | 24.40 | 1.002 | 0.08 | 0.757 | 0.759 |
| | FR1 n41_HPUE_Ant 1 | 100M | CW | - | - | Front | 10mm | Sample 3 | DSI3 | 518598 | 2592.99 | 24.39 | 24.40 | 1.002 | -0.02 | 0.717 | 0.719 |
| | FR1 n41_HPUE_Ant 7 | 100M | CW | - | - | Front | 10mm | Sample 1 | DSI3 | 518598 | 2592.99 | 24.29 | 24.50 | 1.050 | 0.08 | 0.312 | 0.327 |
| | FR1 n41_HPUE_Ant 7 | 100M | CW | - | - | Back | 10mm | Sample 1 | DSI3 | 518598 | 2592.99 | 24.29 | 24.50 | 1.050 | 0.1 | 0.355 | 0.373 |
| | FR1 n41_HPUE_Ant 7 | 100M | CW | - | - | Left Side | 10mm | Sample 1 | DSI3 | 518598 | 2592.99 | 24.29 | 24.50 | 1.050 | 0.01 | 0.633 | 0.664 |
| | FR1 n41_HPUE_Ant 7 | 100M | CW | - | - | Right Side | 10mm | Sample 1 | DSI3 | 518598 | 2592.99 | 24.29 | 24.50 | 1.050 | 0.03 | 0.051 | 0.054 |
| | FR1 n41_HPUE_Ant 7 | 100M | CW | - | - | Top Side | 10mm | Sample 1 | DSI3 | 518598 | 2592.99 | 24.29 | 24.50 | 1.050 | -0.07 | 0.037 | 0.039 |
| | FR1 n41_HPUE_Ant 7 | 100M | CW | - | - | Bottom Side | 10mm | Sample 1 | DSI3 | 518598 | 2592.99 | 24.29 | 24.50 | 1.050 | -0.01 | 0.045 | 0.047 |
| | FR1 n41_HPUE_Ant 7 | 100M | CW | - | - | Left Side | 10mm | Sample 2 | DSI3 | 518598 | 2592.99 | 24.29 | 24.50 | 1.050 | -0.01 | 0.582 | 0.611 |
| | FR1 n41_HPUE_Ant 7 | 100M | CW | - | - | Left Side | 10mm | Sample 3 | DSI3 | 518598 | 2592.99 | 24.29 | 24.50 | 1.050 | -0.05 | 0.641 | 0.673 |
| | FR1 n48_Ant 12 | 40M | BPSK | 1 | 1 | Front | 10mm | Sample 1 | DSI3 | 641666 | 3624.99 | 19.4 | 19.4 | 1.000 | 0.05 | 0.138 | 0.138 |
| | FR1 n48_Ant 12 | 40M | BPSK | 50 | 28 | Front | 10mm | Sample 1 | DSI3 | 641666 | 3624.99 | 19.35 | 19.4 | 1.012 | -0.14 | 0.115 | 0.116 |
| | FR1 n48_Ant 12 | 40M | BPSK | 1 | 1 | Back | 10mm | Sample 1 | DSI3 | 641666 | 3624.99 | 19.4 | 19.4 | 1.000 | -0.17 | 0.208 | 0.208 |
| | FR1 n48_Ant 12 | 40M | BPSK | 50 | 28 | Back | 10mm | Sample 1 | DSI3 | 641666 | 3624.99 | 19.35 | 19.4 | 1.012 | 0.11 | 0.225 | 0.228 |
| | FR1 n48_Ant 12 | 40M | BPSK | 1 | 1 | Left Side | 10mm | Sample 1 | DSI3 | 641666 | 3624.99 | 19.4 | 19.4 | 1.000 | -0.13 | 0.028 | 0.028 |
| | FR1 n48_Ant 12 | 40M | BPSK | 50 | 28 | Left Side | 10mm | Sample 1 | DSI3 | 641666 | 3624.99 | 19.35 | 19.4 | 1.012 | -0.18 | 0.024 | 0.024 |
| | FR1 n48_Ant 12 | 40M | BPSK | 1 | 1 | Right Side | 10mm | Sample 1 | DSI3 | 641666 | 3624.99 | 19.4 | 19.4 | 1.000 | -0.18 | 0.344 | 0.344 |
| | FR1 n48_Ant 12 | 40M | BPSK | 50 | 28 | Right Side | 10mm | Sample 1 | DSI3 | 641666 | 3624.99 | 19.35 | 19.4 | 1.012 | -0.14 | 0.290 | 0.293 |
| | FR1 n48_Ant 12 | 40M | BPSK | 1 | 1 | Bottom Side | 10mm | Sample 1 | DSI3 | 641666 | 3624.99 | 19.4 | 19.4 | 1.000 | 0.05 | 0.049 | 0.049 |
| | FR1 n48_Ant 12 | 40M | BPSK | 50 | 28 | Bottom Side | 10mm | Sample 1 | DSI3 | 641666 | 3624.99 | 19.35 | 19.4 | 1.012 | 0.07 | 0.052 | 0.053 |
| 55 | FR1 n48_Ant 12 | 40M | BPSK | 1 | 1 | Right Side | 10mm | Sample 2 | DSI3 | 641666 | 3624.99 | 19.4 | 19.4 | 1.000 | -0.04 | 0.371 | 0.371 |
| | FR1 n48_Ant 12 | 40M | BPSK | 1 | 1 | Right Side | 10mm | Sample 3 | DSI3 | 641666 | 3624.99 | 19.4 | 19.4 | 1.000 | -0.09 | 0.333 | 0.333 |
| | FR1 n48_Ant 11 | 40M | BPSK | 1 | 1 | Front | 10mm | Sample 1 | DSI3 | 641666 | 3624.99 | 20.11 | 20.6 | 1.119 | -0.09 | 0.084 | 0.094 |
| | FR1 n48_Ant 11 | 40M | BPSK | 50 | 28 | Front | 10mm | Sample 1 | DSI3 | 641666 | 3624.99 | 19.66 | 20.6 | 1.242 | -0.04 | 0.078 | 0.097 |
| | FR1 n48_Ant 11 | 40M | BPSK | 1 | 1 | Back | 10mm | Sample 1 | DSI3 | 641666 | 3624.99 | 20.11 | 20.6 | 1.119 | -0.14 | 0.076 | 0.085 |
| | FR1 n48_Ant 11 | 40M | BPSK | 50 | 28 | Back | 10mm | Sample 1 | DSI3 | 641666 | 3624.99 | 19.66 | 20.6 | 1.242 | -0.08 | 0.071 | 0.088 |
| | FR1 n48_Ant 11 | 40M | BPSK | 1 | 1 | Left Side | 10mm | Sample 1 | DSI3 | 641666 | 3624.99 | 20.11 | 20.6 | 1.119 | -0.16 | 0.145 | 0.162 |
| | FR1 n48_Ant 11 | 40M | BPSK | 50 | 28 | Left Side | 10mm | Sample 1 | DSI3 | 641666 | 3624.99 | 19.66 | 20.6 | 1.242 | -0.17 | 0.162 | 0.201 |
| | FR1 n48_Ant 11 | 40M | BPSK | 1 | 1 | Right Side | 10mm | Sample 1 | DSI3 | 641666 | 3624.99 | 20.11 | 20.6 | 1.119 | -0.08 | 0.033 | 0.037 |
| | FR1 n48_Ant 11 | 40M | BPSK | 50 | 28 | Right Side | 10mm | Sample 1 | DSI3 | 641666 | 3624.99 | 19.66 | 20.6 | 1.242 | -0.1 | 0.040 | 0.050 |
| | FR1 n48_Ant 11 | 40M | BPSK | 1 | 1 | Bottom Side | 10mm | Sample 1 | DSI3 | 641666 | 3624.99 | 20.11 | 20.6 | 1.119 | -0.02 | 0.020 | 0.022 |
| | FR1 n48_Ant 11 | 40M | BPSK | 50 | 28 | Bottom Side | 10mm | Sample 1 | DSI3 | 641666 | 3624.99 | 19.66 | 20.6 | 1.242 | 0.06 | 0.022 | 0.027 |
| | FR1 n48_Ant 11 | 40M | BPSK | 50 | 28 | Left Side | 10mm | Sample 2 | DSI3 | 641666 | 3624.99 | 19.66 | 20.6 | 1.242 | 0.03 | 0.260 | 0.323 |
| | FR1 n48_Ant 11 | 40M | BPSK | 50 | 28 | Left Side | 10mm | Sample 3 | DSI3 | 641666 | 3624.99 | 19.66 | 20.6 | 1.242 | 0.05 | 0.242 | 0.300 |

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Sample | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FR1 n66_Ant 2 | 40M | BPSK | 1 | 1 | Front | 10mm | Sample 1 | DSI3 | 349000 | 1745 | 24.42 | 24.70 | 1.067 | -0.1 | 0.180 | 0.192 |
| | FR1 n66_Ant 2 | 40M | BPSK | 108 | 54 | Front | 10mm | Sample 1 | DSI3 | 349000 | 1745 | 24.11 | 24.70 | 1.146 | 0.03 | 0.183 | 0.210 |
| | FR1 n66_Ant 2 | 40M | BPSK | 1 | 1 | Back | 10mm | Sample 1 | DSI3 | 349000 | 1745 | 24.42 | 24.70 | 1.067 | -0.11 | 0.516 | 0.550 |
| | FR1 n66_Ant 2 | 40M | BPSK | 108 | 54 | Back | 10mm | Sample 1 | DSI3 | 349000 | 1745 | 24.11 | 24.70 | 1.146 | -0.02 | 0.463 | 0.530 |
| | FR1 n66_Ant 2 | 40M | BPSK | 1 | 1 | Left Side | 10mm | Sample 1 | DSI3 | 349000 | 1745 | 24.42 | 24.70 | 1.067 | -0.11 | 0.054 | 0.058 |
| | FR1 n66_Ant 2 | 40M | BPSK | 108 | 54 | Left Side | 10mm | Sample 1 | DSI3 | 349000 | 1745 | 24.11 | 24.70 | 1.146 | 0.05 | 0.053 | 0.061 |
| | FR1 n66_Ant 2 | 40M | BPSK | 1 | 1 | Right Side | 10mm | Sample 1 | DSI3 | 349000 | 1745 | 24.42 | 24.70 | 1.067 | -0.19 | 0.185 | 0.197 |
| | FR1 n66_Ant 2 | 40M | BPSK | 108 | 54 | Right Side | 10mm | Sample 1 | DSI3 | 349000 | 1745 | 24.11 | 24.70 | 1.146 | -0.19 | 0.197 | 0.226 |
| | FR1 n66_Ant 2 | 40M | BPSK | 1 | 1 | Bottom Side | 10mm | Sample 1 | DSI3 | 349000 | 1745 | 24.42 | 24.70 | 1.067 | 0.09 | 0.071 | 0.076 |
| | FR1 n66_Ant 2 | 40M | BPSK | 108 | 54 | Bottom Side | 10mm | Sample 1 | DSI3 | 349000 | 1745 | 24.11 | 24.70 | 1.146 | -0.11 | 0.085 | 0.097 |
| | FR1 n66_Ant 2 | 40M | BPSK | 1 | 1 | Back | 10mm | Sample 2 | DSI3 | 349000 | 1745 | 24.42 | 24.70 | 1.067 | -0.09 | 0.731 | 0.780 |
| | FR1 n66_Ant 2 | 40M | BPSK | 1 | 1 | Back | 10mm | Sample 3 | DSI3 | 349000 | 1745 | 24.42 | 24.70 | 1.067 | 0.06 | 0.756 | 0.806 |
| | FR1 n66_Ant 4 | 40M | BPSK | 1 | 1 | Front | 10mm | Sample 1 | DSI3 | 349000 | 1745 | 23.65 | 24.00 | 1.084 | 0.03 | 0.155 | 0.168 |
| | FR1 n66_Ant 4 | 40M | BPSK | 108 | 54 | Front | 10mm | Sample 1 | DSI3 | 349000 | 1745 | 23.08 | 24.00 | 1.236 | 0.06 | 0.165 | 0.204 |
| | FR1 n66_Ant 4 | 40M | BPSK | 1 | 1 | Back | 10mm | Sample 1 | DSI3 | 349000 | 1745 | 23.65 | 24.00 | 1.084 | 0.03 | 0.524 | 0.568 |
| | FR1 n66_Ant 4 | 40M | BPSK | 108 | 54 | Back | 10mm | Sample 1 | DSI3 | 349000 | 1745 | 23.08 | 24.00 | 1.236 | -0.03 | 0.591 | 0.730 |
| | FR1 n66_Ant 4 | 40M | BPSK | 1 | 1 | Left Side | 10mm | Sample 1 | DSI3 | 349000 | 1745 | 23.65 | 24.00 | 1.084 | -0.03 | 0.187 | 0.203 |
| | FR1 n66_Ant 4 | 40M | BPSK | 108 | 54 | Left Side | 10mm | Sample 1 | DSI3 | 349000 | 1745 | 23.08 | 24.00 | 1.236 | 0.06 | 0.188 | 0.232 |
| | FR1 n66_Ant 4 | 40M | BPSK | 1 | 1 | Right Side | 10mm | Sample 1 | DSI3 | 349000 | 1745 | 23.65 | 24.00 | 1.084 | 0.1 | 0.084 | 0.091 |
| | FR1 n66_Ant 4 | 40M | BPSK | 108 | 54 | Right Side | 10mm | Sample 1 | DSI3 | 349000 | 1745 | 23.08 | 24.00 | 1.236 | -0.12 | 0.081 | 0.100 |
| | FR1 n66_Ant 4 | 40M | BPSK | 1 | 1 | Bottom Side | 10mm | Sample 1 | DSI3 | 349000 | 1745 | 23.65 | 24.00 | 1.084 | -0.1 | 0.655 | 0.710 |
| | FR1 n66_Ant 4 | 40M | BPSK | 108 | 54 | Bottom Side | 10mm | Sample 1 | DSI3 | 349000 | 1745 | 23.08 | 24.00 | 1.236 | 0 | 0.685 | 0.847 |
| | FR1 n66_Ant 4 | 40M | BPSK | 108 | 54 | Bottom Side | 10mm | Sample 1 | DSI3 | 346000 | 1730 | 22.99 | 24.00 | 1.262 | 0.08 | 0.677 | 0.854 |
| | FR1 n66_Ant 4 | 40M | BPSK | 108 | 54 | Bottom Side | 10mm | Sample 1 | DSI3 | 352000 | 1760 | 23.02 | 24.00 | 1.253 | -0.07 | 0.674 | 0.845 |
| 56 | FR1 n66_Ant 4 | 40M | BPSK | 108 | 54 | Bottom Side | 10mm | Sample 2 | DSI3 | 349000 | 1745 | 23.08 | 24.00 | 1.236 | -0.09 | 0.699 | 0.864 |
| | FR1 n66_Ant 4 | 40M | BPSK | 108 | 54 | Bottom Side | 10mm | Sample 3 | DSI3 | 349000 | 1745 | 23.08 | 24.00 | 1.236 | -0.05 | 0.604 | 0.747 |
| | FR1 n71_Ant 0 | 20M | BPSK | 1 | 1 | Front | 10mm | Sample 1 | DSI0 | 136100 | 680.5 | 24.22 | 24.70 | 1.117 | -0.09 | 0.063 | 0.070 |
| | FR1 n71_Ant 0 | 20M | BPSK | 50 | 28 | Front | 10mm | Sample 1 | DSI0 | 136100 | 680.5 | 23.76 | 24.70 | 1.242 | -0.08 | 0.086 | 0.107 |
| | FR1 n71_Ant 0 | 20M | BPSK | 1 | 1 | Back | 10mm | Sample 1 | DSI0 | 136100 | 680.5 | 24.22 | 24.70 | 1.117 | -0.1 | 0.091 | 0.102 |
| 57 | FR1 n71_Ant 0 | 20M | BPSK | 50 | 28 | Back | 10mm | Sample 1 | DSI0 | 136100 | 680.5 | 23.76 | 24.70 | 1.242 | -0.11 | 0.113 | 0.140 |
| | FR1 n71_Ant 0 | 20M | BPSK | 1 | 1 | Left Side | 10mm | Sample 1 | DSI0 | 136100 | 680.5 | 24.22 | 24.70 | 1.117 | -0.1 | 0.042 | 0.047 |
| | FR1 n71_Ant 0 | 20M | BPSK | 50 | 28 | Left Side | 10mm | Sample 1 | DSI0 | 136100 | 680.5 | 23.76 | 24.70 | 1.242 | -0.16 | 0.057 | 0.071 |
| | FR1 n71_Ant 0 | 20M | BPSK | 1 | 1 | Right Side | 10mm | Sample 1 | DSI0 | 136100 | 680.5 | 24.22 | 24.70 | 1.117 | -0.13 | 0.098 | 0.109 |
| | FR1 n71_Ant 0 | 20M | BPSK | 50 | 28 | Right Side | 10mm | Sample 1 | DSI0 | 136100 | 680.5 | 23.76 | 24.70 | 1.242 | 0 | 0.105 | 0.130 |
| | FR1 n71_Ant 0 | 20M | BPSK | 1 | 1 | Bottom Side | 10mm | Sample 1 | DSI0 | 136100 | 680.5 | 24.22 | 24.70 | 1.117 | -0.07 | 0.089 | 0.099 |
| | FR1 n71_Ant 0 | 20M | BPSK | 50 | 28 | Bottom Side | 10mm | Sample 1 | DSI0 | 136100 | 680.5 | 23.76 | 24.70 | 1.242 | 0.1 | 0.109 | 0.135 |
| | FR1 n71_Ant 0 | 20M | BPSK | 50 | 28 | Back | 10mm | Sample 2 | DSI0 | 136100 | 680.5 | 23.76 | 24.70 | 1.242 | 0.04 | 0.109 | 0.135 |
| | FR1 n71_Ant 0 | 20M | BPSK | 50 | 28 | Back | 10mm | Sample 3 | DSI0 | 136100 | 680.5 | 23.76 | 24.70 | 1.242 | 0.07 | 0.070 | 0.087 |

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Sample | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Front | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 18.44 | 18.80 | 1.086 | 0.07 | 0.014 | 0.015 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Front | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 18.35 | 18.80 | 1.109 | -0.08 | 0.015 | 0.017 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Back | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 18.44 | 18.80 | 1.086 | -0.02 | 0.086 | 0.093 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Back | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 18.35 | 18.80 | 1.109 | 0.1 | 0.155 | 0.172 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Left Side | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 18.44 | 18.80 | 1.086 | -0.07 | 0.019 | 0.021 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Left Side | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 18.35 | 18.80 | 1.109 | -0.17 | 0.035 | 0.039 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Right Side | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 18.44 | 18.80 | 1.086 | -0.04 | 0.084 | 0.091 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Right Side | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 18.35 | 18.80 | 1.109 | -0.15 | 0.098 | 0.109 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Bottom Side | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 18.44 | 18.80 | 1.086 | -0.18 | 0.012 | 0.013 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Bottom Side | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 18.35 | 18.80 | 1.109 | -0.17 | 0.017 | 0.019 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Back | 10mm | Sample 2 | DSI3 | 656000 | 3840 | 18.35 | 18.80 | 1.109 | -0.15 | 0.248 | 0.275 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Back | 10mm | Sample 3 | DSI3 | 656000 | 3840 | 18.35 | 18.80 | 1.109 | -0.14 | 0.243 | 0.270 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Front | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 18.23 | 18.80 | 1.140 | -0.05 | 0.041 | 0.047 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Front | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 18.16 | 18.80 | 1.159 | 0.08 | 0.037 | 0.043 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Back | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 18.23 | 18.80 | 1.140 | 0.03 | 0.070 | 0.080 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Back | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 18.16 | 18.80 | 1.159 | -0.11 | 0.081 | 0.094 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Left Side | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 18.23 | 18.80 | 1.140 | -0.05 | 0.021 | 0.024 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Left Side | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 18.16 | 18.80 | 1.159 | 0.08 | 0.001 | 0.001 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Right Side | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 18.23 | 18.80 | 1.140 | 0.07 | 0.087 | 0.099 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Right Side | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 18.16 | 18.80 | 1.159 | -0.01 | 0.093 | 0.108 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Bottom Side | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 18.23 | 18.80 | 1.140 | 0.07 | 0.026 | 0.030 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Bottom Side | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 18.16 | 18.80 | 1.159 | 0.09 | 0.031 | 0.036 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Right Side | 10mm | Sample 2 | DSI3 | 633332 | 3499.98 | 18.23 | 18.80 | 1.140 | -0.03 | 0.575 | 0.656 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Right Side | 10mm | Sample 3 | DSI3 | 633332 | 3499.98 | 18.23 | 18.80 | 1.140 | -0.19 | 0.593 | 0.676 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 1 | 1 | Front | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 18.47 | 18.90 | 1.104 | 0.03 | 0.118 | 0.130 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Front | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 18.29 | 18.90 | 1.151 | -0.19 | 0.153 | 0.176 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 1 | 1 | Back | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 18.47 | 18.90 | 1.104 | -0.12 | 0.120 | 0.132 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Back | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 18.29 | 18.90 | 1.151 | -0.06 | 0.124 | 0.143 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 1 | 1 | Left Side | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 18.47 | 18.90 | 1.104 | -0.05 | 0.285 | 0.315 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Left Side | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 18.29 | 18.90 | 1.151 | -0.05 | 0.313 | 0.360 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 1 | 1 | Right Side | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 18.47 | 18.90 | 1.104 | -0.14 | 0.053 | 0.059 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Right Side | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 18.29 | 18.90 | 1.151 | 0.04 | 0.054 | 0.062 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 1 | 1 | Bottom Side | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 18.47 | 18.90 | 1.104 | 0.08 | 0.060 | 0.066 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Bottom Side | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 18.29 | 18.90 | 1.151 | -0.17 | 0.047 | 0.054 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Left Side | 10mm | Sample 2 | DSI3 | 656000 | 3840 | 18.29 | 18.90 | 1.151 | -0.01 | 0.347 | 0.399 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Left Side | 10mm | Sample 3 | DSI3 | 656000 | 3840 | 18.29 | 18.90 | 1.151 | -0.14 | 0.226 | 0.260 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 1 | 1 | Front | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 18.42 | 18.90 | 1.117 | 0.07 | 0.194 | 0.217 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Front | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 18.25 | 18.90 | 1.161 | -0.13 | 0.203 | 0.236 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 1 | 1 | Back | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 18.42 | 18.90 | 1.117 | -0.01 | 0.212 | 0.237 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Back | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 18.25 | 18.90 | 1.161 | -0.14 | 0.209 | 0.243 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 1 | 1 | Left Side | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 18.42 | 18.90 | 1.117 | 0 | 0.434 | 0.485 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Left Side | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 18.25 | 18.90 | 1.161 | 0.06 | 0.413 | 0.480 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 1 | 1 | Right Side | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 18.42 | 18.90 | 1.117 | 0 | 0.043 | 0.048 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Right Side | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 18.25 | 18.90 | 1.161 | 0.19 | 0.080 | 0.093 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 1 | 1 | Bottom Side | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 18.42 | 18.90 | 1.117 | -0.11 | 0.073 | 0.082 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Bottom Side | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 18.25 | 18.90 | 1.161 | 0.02 | 0.071 | 0.082 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 1 | 1 | Left Side | 10mm | Sample 2 | DSI3 | 633332 | 3499.98 | 18.42 | 18.90 | 1.117 | -0.18 | 0.309 | 0.345 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 1 | 1 | Left Side | 10mm | Sample 3 | DSI3 | 633332 | 3499.98 | 18.42 | 18.90 | 1.117 | -0.1 | 0.178 | 0.199 |

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Sample | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FR1 n77_Ant 5 | 100M | CW | - | - | Front | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 16.33 | 16.80 | 1.114 | -0.11 | 0.069 | 0.077 |
| 58 | FR1 n77_Ant 5 | 100M | CW | - | - | Back | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 16.33 | 16.80 | 1.114 | -0.01 | 0.945 | 1.053 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Left Side | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 16.33 | 16.80 | 1.114 | -0.16 | 0.027 | 0.030 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Right Side | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 16.33 | 16.80 | 1.114 | -0.11 | 0.092 | 0.103 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Top Side | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 16.33 | 16.80 | 1.114 | 0.07 | 0.941 | 1.049 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Bottom Side | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 16.33 | 16.80 | 1.114 | 0.1 | 0.001 | 0.001 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Back | 10mm | Sample 2 | DSI3 | 656000 | 3840 | 16.33 | 16.80 | 1.114 | -0.12 | 0.736 | 0.820 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Back | 10mm | Sample 3 | DSI3 | 656000 | 3840 | 16.33 | 16.80 | 1.114 | -0.01 | 0.620 | 0.691 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Front | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 16.12 | 16.80 | 1.169 | -0.13 | 0.092 | 0.108 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Back | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 16.12 | 16.80 | 1.169 | -0.08 | 0.707 | 0.827 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Left Side | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 16.12 | 16.80 | 1.169 | -0.14 | 0.023 | 0.027 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Right Side | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 16.12 | 16.80 | 1.169 | 0.08 | 0.046 | 0.054 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Top Side | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 16.12 | 16.80 | 1.169 | 0.05 | 0.849 | 0.993 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Bottom Side | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 16.12 | 16.80 | 1.169 | 0.01 | 0.001 | 0.001 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Top Side | 10mm | Sample 2 | DSI3 | 633332 | 3499.98 | 16.12 | 16.80 | 1.169 | 0.01 | 0.530 | 0.620 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Top Side | 10mm | Sample 3 | DSI3 | 633332 | 3499.98 | 16.12 | 16.80 | 1.169 | -0.07 | 0.513 | 0.600 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Front | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 19.10 | 19.50 | 1.096 | 0.04 | 0.180 | 0.197 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Back | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 19.10 | 19.50 | 1.096 | 0.07 | 0.274 | 0.300 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Left Side | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 19.10 | 19.50 | 1.096 | -0.12 | 0.076 | 0.083 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Right Side | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 19.10 | 19.50 | 1.096 | 0.01 | 0.412 | 0.452 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Top Side | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 19.10 | 19.50 | 1.096 | 0.01 | 0.057 | 0.062 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Bottom Side | 10mm | Sample 1 | DSI3 | 656000 | 3840 | 19.10 | 19.50 | 1.096 | -0.08 | 0.099 | 0.109 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Right Side | 10mm | Sample 2 | DSI3 | 656000 | 3840 | 19.10 | 19.50 | 1.096 | -0.12 | 0.146 | 0.160 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Right Side | 10mm | Sample 3 | DSI3 | 656000 | 3840 | 19.10 | 19.50 | 1.096 | -0.04 | 0.426 | 0.467 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Front | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 19.08 | 19.50 | 1.102 | -0.07 | 0.120 | 0.132 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Back | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 19.08 | 19.50 | 1.102 | 0.04 | 0.198 | 0.218 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Left Side | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 19.08 | 19.50 | 1.102 | -0.1 | 0.053 | 0.058 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Right Side | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 19.08 | 19.50 | 1.102 | -0.08 | 0.339 | 0.373 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Top Side | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 19.08 | 19.50 | 1.102 | -0.07 | 0.050 | 0.055 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Bottom Side | 10mm | Sample 1 | DSI3 | 633332 | 3499.98 | 19.08 | 19.50 | 1.102 | -0.07 | 0.060 | 0.066 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Right Side | 10mm | Sample 2 | DSI3 | 633332 | 3499.98 | 19.08 | 19.50 | 1.102 | -0.02 | 0.101 | 0.111 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Right Side | 10mm | Sample 3 | DSI3 | 633332 | 3499.98 | 19.08 | 19.50 | 1.102 | -0.19 | 0.215 | 0.237 |

## <WLAN SAR>

| Plot No. | Band | Mode | Test Position | Gap (mm) | Sample | Antenna | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | WLAN2.4GHz | 802.11b 1Mbps | Front | 10mm | Sample 1 | Ant 9+8(8) | nonDBS | 1 | 2412 | 17.60 | 18.00 | 1.096 | 99.9 | 1.001 | 0.01 | 0.052 | 0.057 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 10mm | Sample 1 | Ant 9+8(8) | nonDBS | 1 | 2412 | 17.60 | 18.00 | 1.096 | 99.9 | 1.001 | -0.16 | 0.309 | 0.339 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Side | 10mm | Sample 1 | Ant 9+8(8) | nonDBS | 1 | 2412 | 17.60 | 18.00 | 1.096 | 99.9 | 1.001 | -0.18 | 0.553 | 0.607 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Side | 10mm | Sample 1 | Ant 9+8(8) | nonDBS | 6 | 2437 | 17.50 | 18.00 | 1.122 | 99.9 | 1.001 | 0.01 | 0.545 | 0.612 |
| 59 | WLAN2.4GHz | 802.11b 1Mbps | Left Side | 10mm | Sample 1 | Ant 9+8(8) | nonDBS | 11 | 2462 | 17.70 | 18.00 | 1.072 | 99.9 | 1.001 | -0.18 | 0.595 | 0.638 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Side | 10mm | Sample 1 | Ant 9+8(8) | nonDBS | 1 | 2412 | 17.60 | 18.00 | 1.096 | 99.9 | 1.001 | -0.12 | 0.314 | 0.345 |
| | WLAN2.4GHz | 802.11b 1Mbps | Top Side | 10mm | Sample 1 | Ant 9+8(8) | nonDBS | 1 | 2412 | 17.60 | 18.00 | 1.096 | 99.9 | 1.001 | -0.06 | 0.067 | 0.074 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Side | 10mm | Sample 2 | Ant 9+8(8) | nonDBS | 11 | 2462 | 17.70 | 18.00 | 1.072 | 99.9 | 1.001 | 0.03 | 0.392 | 0.420 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Side | 10mm | Sample 3 | Ant 9+8(8) | nonDBS | 11 | 2462 | 17.70 | 18.00 | 1.072 | 99.9 | 1.001 | 0.01 | 0.462 | 0.496 |
| | WLAN2.4GHz | 802.11b 1Mbps | Front | 10mm | Sample 1 | Ant 9+8(8) | DBS | 6 | 2437 | 15.20 | 15.50 | 1.072 | 99.9 | 1.001 | -0.07 | 0.032 | 0.034 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 10mm | Sample 1 | Ant 9+8(8) | DBS | 6 | 2437 | 15.20 | 15.50 | 1.072 | 99.9 | 1.001 | 0.03 | 0.190 | 0.204 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Side | 10mm | Sample 1 | Ant 9+8(8) | DBS | 6 | 2437 | 15.20 | 15.50 | 1.072 | 99.9 | 1.001 | -0.03 | 0.341 | 0.366 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Side | 10mm | Sample 1 | Ant 9+8(9) | DBS | 1 | 2412 | 15.10 | 15.50 | 1.096 | 99.9 | 1.001 | -0.12 | 0.335 | 0.368 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Side | 10mm | Sample 1 | Ant 9+8(8) | DBS | 11 | 2462 | 14.70 | 15.50 | 1.202 | 99.9 | 1.001 | -0.08 | 0.340 | 0.409 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Side | 10mm | Sample 1 | Ant 9+8(8) | DBS | 6 | 2437 | 15.20 | 15.50 | 1.072 | 99.9 | 1.001 | -0.04 | 0.193 | 0.207 |
| | WLAN2.4GHz | 802.11b 1Mbps | Top Side | 10mm | Sample 1 | Ant 9+8(8) | DBS | 6 | 2437 | 15.20 | 15.50 | 1.072 | 99.9 | 1.001 | -0.09 | 0.041 | 0.044 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Side | 10mm | Sample 2 | Ant 9+8(8) | DBS | 11 | 2462 | 14.70 | 15.50 | 1.202 | 99.9 | 1.001 | 0.08 | 0.240 | 0.289 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Side | 10mm | Sample 3 | Ant 9+8(8) | DBS | 11 | 2462 | 14.70 | 15.50 | 1.202 | 99.9 | 1.001 | -0.18 | 0.284 | 0.342 |
| | WLAN2.4GHz | 802.11b 1Mbps | Front | 10mm | Sample 1 | Ant 8 | nonDBS | 1 | 2412 | 17.90 | 18.00 | 1.023 | 99.9 | 1.001 | -0.13 | 0.055 | 0.056 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 10mm | Sample 1 | Ant 8 | nonDBS | 1 | 2412 | 17.90 | 18.00 | 1.023 | 99.9 | 1.001 | 0.07 | 0.121 | 0.124 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Side | 10mm | Sample 1 | Ant 8 | nonDBS | 1 | 2412 | 17.90 | 18.00 | 1.023 | 99.9 | 1.001 | 0.1 | 0.022 | 0.023 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Side | 10mm | Sample 1 | Ant 8 | nonDBS | 1 | 2412 | 17.90 | 18.00 | 1.023 | 99.9 | 1.001 | 0.02 | 0.404 | 0.414 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Side | 10mm | Sample 1 | Ant 8 | nonDBS | 6 | 2437 | 17.90 | 18.00 | 1.023 | 99.9 | 1.001 | -0.05 | 0.375 | 0.384 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Side | 10mm | Sample 1 | Ant 8 | nonDBS | 11 | 2462 | 17.80 | 18.00 | 1.047 | 99.9 | 1.001 | 0.01 | 0.362 | 0.379 |
| | WLAN2.4GHz | 802.11b 1Mbps | Top Side | 10mm | Sample 1 | Ant 8 | nonDBS | 1 | 2412 | 17.90 | 18.00 | 1.023 | 99.9 | 1.001 | 0 | 0.074 | 0.076 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Side | 10mm | Sample 2 | Ant 8 | nonDBS | 1 | 2412 | 17.90 | 18.00 | 1.023 | 99.9 | 1.001 | -0.08 | 0.397 | 0.407 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Side | 10mm | Sample 3 | Ant 8 | nonDBS | 1 | 2412 | 17.90 | 18.00 | 1.023 | 99.9 | 1.001 | -0.1 | 0.390 | 0.399 |
| | WLAN2.4GHz | 802.11b 1Mbps | Front | 10mm | Sample 1 | Ant 8 | DBS | 1 | 2412 | 13.90 | 14.00 | 1.023 | 99.9 | 1.001 | 0.03 | 0.024 | 0.025 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 10mm | Sample 1 | Ant 8 | DBS | 1 | 2412 | 13.90 | 14.00 | 1.023 | 99.9 | 1.001 | -0.15 | 0.054 | 0.055 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Side | 10mm | Sample 1 | Ant 8 | DBS | 1 | 2412 | 13.90 | 14.00 | 1.023 | 99.9 | 1.001 | -0.16 | 0.010 | 0.010 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Side | 10mm | Sample 1 | Ant 8 | DBS | 1 | 2412 | 13.90 | 14.00 | 1.023 | 99.9 | 1.001 | -0.09 | 0.179 | 0.183 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Side | 10mm | Sample 1 | Ant 8 | DBS | 6 | 2437 | 13.90 | 14.00 | 1.023 | 99.9 | 1.001 | 0.01 | 0.166 | 0.170 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Side | 10mm | Sample 1 | Ant 8 | DBS | 11 | 2462 | 13.80 | 14.00 | 1.047 | 99.9 | 1.001 | 0.11 | 0.160 | 0.168 |
| | WLAN2.4GHz | 802.11b 1Mbps | Top Side | 10mm | Sample 1 | Ant 8 | DBS | 1 | 2412 | 13.90 | 14.00 | 1.023 | 99.9 | 1.001 | -0.16 | 0.033 | 0.034 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Side | 10mm | Sample 2 | Ant 8 | DBS | 1 | 2412 | 13.90 | 14.00 | 1.023 | 99.9 | 1.001 | 0.06 | 0.176 | 0.180 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Side | 10mm | Sample 3 | Ant 8 | DBS | 1 | 2412 | 13.90 | 14.00 | 1.023 | 99.9 | 1.001 | -0.03 | 0.173 | 0.177 |

| Plot No. | Band | Mode | Test Position | Gap (mm) | Sample | Antenna | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | WLAN5GHz | 802.11a 6Mbps | Front | 10mm | Sample 1 | Ant 9+8(9) | nonDBS | 48 | 5240 | 15.40 | 16.00 | 1.148 | 98.99 | 1.010 | 0.07 | 0.091 | 0.106 |
| | WLAN5GHz | 802.11a 6Mbps | Back | 10mm | Sample 1 | Ant 9+8(9) | nonDBS | 48 | 5240 | 15.40 | 16.00 | 1.148 | 98.99 | 1.010 | -0.01 | 0.165 | 0.191 |
| | WLAN5GHz | 802.11a 6Mbps | Left Side | 10mm | Sample 1 | Ant 9+8(9) | nonDBS | 48 | 5240 | 15.40 | 16.00 | 1.148 | 98.99 | 1.010 | 0.01 | 0.405 | 0.470 |
| | WLAN5GHz | 802.11a 6Mbps | Left Side | 10mm | Sample 1 | Ant 9+8(8) | nonDBS | 36 | 5180 | 14.60 | 15.00 | 1.096 | 98.99 | 1.010 | 0.03 | 0.207 | 0.229 |
| | WLAN5GHz | 802.11a 6Mbps | Left Side | 10mm | Sample 1 | Ant 9+8(8) | nonDBS | 40 | 5200 | 15.60 | 16.00 | 1.096 | 98.99 | 1.010 | -0.05 | 0.432 | 0.478 |
| 60 | WLAN5GHz | 802.11a 6Mbps | Left Side | 10mm | Sample 1 | Ant 9+8(9) | nonDBS | 44 | 5220 | 15.20 | 16.00 | 1.202 | 98.99 | 1.010 | 0.01 | 0.438 | 0.532 |
| | WLAN5GHz | 802.11a 6Mbps | Right Side | 10mm | Sample 1 | Ant 9+8(8) | nonDBS | 48 | 5240 | 16.00 | 16.00 | 1.000 | 98.99 | 1.010 | -0.18 | 0.152 | 0.154 |
| | WLAN5GHz | 802.11a 6Mbps | Top side | 10mm | Sample 1 | Ant 9+8(8) | nonDBS | 48 | 5240 | 16.00 | 16.00 | 1.000 | 98.99 | 1.010 | 0 | 0.053 | 0.054 |
| | WLAN5GHz | 802.11a 6Mbps | Left Side | 10mm | Sample 2 | Ant 9+8(9) | nonDBS | 44 | 5220 | 15.20 | 16.00 | 1.202 | 98.99 | 1.010 | -0.04 | 0.308 | 0.374 |
| | WLAN5GHz | 802.11a 6Mbps | Left Side | 10mm | Sample 3 | Ant 9+8(9) | nonDBS | 44 | 5220 | 15.20 | 16.00 | 1.202 | 98.99 | 1.010 | -0.19 | 0.320 | 0.389 |
| | WLAN5GHz | 802.11ac-VHT80 MCS0 | Front | 10mm | Sample 1 | Ant 9+8(8) | DBS | 42 | 5210 | 12.40 | 13.00 | 1.148 | 98.99 | 1.010 | 0.05 | 0.078 | 0.090 |
| | WLAN5GHz | 802.11ac-VHT80 MCS0 | Back | 10mm | Sample 1 | Ant 9+8(8) | DBS | 42 | 5210 | 12.40 | 13.00 | 1.148 | 98.99 | 1.010 | 0 | 0.141 | 0.164 |
| | WLAN5GHz | 802.11ac-VHT80 MCS0 | Left Side | 10mm | Sample 1 | Ant 9+8(8) | DBS | 42 | 5210 | 12.40 | 13.00 | 1.148 | 98.99 | 1.010 | 0 | 0.375 | 0.435 |
| | WLAN5GHz | 802.11ac-VHT80 MCS0 | Right Side | 10mm | Sample 1 | Ant 9+8(8) | DBS | 42 | 5210 | 12.40 | 13.00 | 1.148 | 98.99 | 1.010 | -0.07 | 0.130 | 0.151 |
| | WLAN5GHz | 802.11ac-VHT80 MCS0 | Top side | 10mm | Sample 1 | Ant 9+8(8) | DBS | 42 | 5210 | 12.40 | 13.00 | 1.148 | 98.99 | 1.010 | 0.012 | 0.046 | 0.053 |
| | WLAN5GHz | 802.11ac-VHT80 MCS0 | Left Side | 10mm | Sample 2 | Ant 9+8(8) | DBS | 42 | 5210 | 12.40 | 13.00 | 1.148 | 98.99 | 1.010 | 0.01 | 0.347 | 0.402 |
| | WLAN5GHz | 802.11ac-VHT80 MCS0 | Left Side | 10mm | Sample 3 | Ant 9+8(8) | DBS | 42 | 5210 | 12.40 | 13.00 | 1.148 | 98.99 | 1.010 | -0.13 | 0.370 | 0.429 |
| | WLAN5GHz | 802.11a 6Mbps | Front | 10mm | Sample 1 | Ant 9+8(8) | nonDBS | 157 | 5785 | 18.20 | 18.50 | 1.072 | 98.99 | 1.010 | -0.18 | 0.192 | 0.207 |
| | WLAN5GHz | 802.11a 6Mbps | Back | 10mm | Sample 1 | Ant 9+8(8) | nonDBS | 157 | 5785 | 18.20 | 18.50 | 1.072 | 98.99 | 1.010 | -0.13 | 0.377 | 0.408 |
| | WLAN5GHz | 802.11a 6Mbps | Left Side | 10mm | Sample 1 | Ant 9+8(8) | nonDBS | 157 | 5785 | 18.20 | 18.50 | 1.072 | 98.99 | 1.010 | -0.13 | 0.671 | 0.726 |
| 61 | WLAN5GHz | 802.11a 6Mbps | Left Side | 10mm | Sample 1 | Ant 9+8(8) | nonDBS | 149 | 5745 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | -0.15 | 0.679 | 0.751 |
| | WLAN5GHz | 802.11a 6Mbps | Left Side | 10mm | Sample 1 | Ant 9+8(9) | nonDBS | 165 | 5825 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | -0.04 | 0.619 | 0.686 |
| | WLAN5GHz | 802.11a 6Mbps | Right Side | 10mm | Sample 1 | Ant 9+8(8) | nonDBS | 157 | 5785 | 18.20 | 18.50 | 1.072 | 98.99 | 1.010 | -0.04 | 0.550 | 0.595 |
| | WLAN5GHz | 802.11a 6Mbps | Top side | 10mm | Sample 1 | Ant 9+8(8) | nonDBS | 157 | 5785 | 18.20 | 18.50 | 1.072 | 98.99 | 1.010 | -0.12 | 0.213 | 0.230 |
| | WLAN5GHz | 802.11a 6Mbps | Left Side | 10mm | Sample 2 | Ant 9+8(8) | nonDBS | 149 | 5745 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | 0 | 0.434 | 0.481 |
| | WLAN5GHz | 802.11a 6Mbps | Left Side | 10mm | Sample 3 | Ant 9+8(8) | nonDBS | 149 | 5745 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | -0.17 | 0.553 | 0.612 |
| | WLAN5GHz | 802.11ac-VHT80 MCS0 | Front | 10mm | Sample 1 | Ant 9+8(8) | DBS | 155 | 5775 | 13.60 | 14.00 | 1.096 | 98.25 | 1.018 | -0.07 | 0.049 | 0.055 |
| | WLAN5GHz | 802.11ac-VHT80 MCS0 | Back | 10mm | Sample 1 | Ant 9+8(8) | DBS | 155 | 5775 | 13.60 | 14.00 | 1.096 | 98.25 | 1.018 | -0.15 | 0.097 | 0.108 |
| | WLAN5GHz | 802.11ac-VHT80 MCS0 | Left Side | 10mm | Sample 1 | Ant 9+8(8) | DBS | 155 | 5775 | 13.60 | 14.00 | 1.096 | 98.25 | 1.018 | -0.07 | 0.172 | 0.192 |
| | WLAN5GHz | 802.11ac-VHT80 MCS0 | Right Side | 10mm | Sample 1 | Ant 9+8(8) | DBS | 155 | 5775 | 13.60 | 14.00 | 1.096 | 98.25 | 1.018 | -0.19 | 0.141 | 0.157 |
| | WLAN5GHz | 802.11ac-VHT80 MCS0 | Top side | 10mm | Sample 1 | Ant 9+8(8) | DBS | 155 | 5775 | 13.60 | 14.00 | 1.096 | 98.25 | 1.018 | 0.02 | 0.055 | 0.061 |
| | WLAN5GHz | 802.11ac-VHT80 MCS0 | Left Side | 10mm | Sample 2 | Ant 9+8(8) | DBS | 155 | 5775 | 13.60 | 14.00 | 1.096 | 98.25 | 1.018 | -0.1 | 0.177 | 0.198 |
| | WLAN5GHz | 802.11ac-VHT80 MCS0 | Left Side | 10mm | Sample 3 | Ant 9+8(8) | DBS | 155 | 5775 | 13.60 | 14.00 | 1.096 | 98.25 | 1.018 | -0.17 | 0.159 | 0.177 |

## <Bluetooth SAR>

| Plot No. | Band | Mode | Test Position | Gap (mm) | Sample | Antenna | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Bluetooth | 1Mbps | Front | 10mm | Sample 1 | Ant 9 | nonDBS / DBS | 0 | 2402 | 3.94 | 4.00 | 1.014 | 76.83 | 1.302 | 0 | < 0.001 | < 0.001 |
| | Bluetooth | 1Mbps | Back | 10mm | Sample 1 | Ant 9 | nonDBS / DBS | 0 | 2402 | 3.94 | 4.00 | 1.014 | 76.83 | 1.302 | 0 | < 0.001 | < 0.001 |
| 62 | Bluetooth | 1Mbps | Left side | 10mm | Sample 1 | Ant 9 | nonDBS / DBS | 0 | 2402 | 3.94 | 4.00 | 1.014 | 76.83 | 1.302 | -0.09 | 0.009 | 0.012 |
| | Bluetooth | 1Mbps | Left side | 10mm | Sample 1 | Ant 9 | nonDBS / DBS | 39 | 2441 | 3.91 | 4.00 | 1.021 | 76.83 | 1.302 | 0 | < 0.001 | < 0.001 |
| | Bluetooth | 1Mbps | Left side | 10mm | Sample 1 | Ant 9 | nonDBS / DBS | 78 | 2480 | 3.72 | 4.00 | 1.067 | 76.83 | 1.302 | 0 | < 0.001 | < 0.001 |
| | Bluetooth | 1Mbps | Right Side | 10mm | Sample 1 | Ant 9 | nonDBS / DBS | 0 | 2402 | 3.94 | 4.00 | 1.014 | 76.83 | 1.302 | 0 | < 0.001 | < 0.001 |
| | Bluetooth | 1Mbps | Top side | 10mm | Sample 1 | Ant 9 | nonDBS / DBS | 0 | 2402 | 3.94 | 4.00 | 1.014 | 76.83 | 1.302 | 0 | < 0.001 | < 0.001 |
| | Bluetooth | 1Mbps | Left side | 10mm | Sample 2 | Ant 9 | nonDBS / DBS | 0 | 2402 | 3.94 | 4.00 | 1.014 | 76.83 | 1.302 | 0 | < 0.001 | < 0.001 |
| | Bluetooth | 1Mbps | Left side | 10mm | Sample 3 | Ant 9 | nonDBS / DBS | 0 | 2402 | 3.94 | 4.00 | 1.014 | 76.83 | 1.302 | 0 | < 0.001 | < 0.001 |

## 16.3 Body Worn Accessory SAR

### <GSM SAR>

| Plot No. | Band | Mode | Test Position | Gap (mm) | Sample | Accessory | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GSM850_Ant 4 | GPRS (4 Tx slots) | Front | 15mm | Sample 1 | - | DSI0 | 251 | 848.8 | 30.05 | 30.50 | 1.109 | -0.18 | 0.214 | 0.237 |
| | GSM850_Ant 4 | GPRS (4 Tx slots) | Back | 15mm | Sample 1 | - | DSI0 | 251 | 848.8 | 30.05 | 30.50 | 1.109 | -0.14 | 0.284 | 0.315 |
| | GSM850_Ant 4 | GPRS (4 Tx slots) | Back | 15mm | Sample 1 | - | DSI0 | 128 | 824.2 | 29.43 | 30.50 | 1.279 | 0.09 | 0.215 | 0.275 |
| | GSM850_Ant 4 | GPRS (4 Tx slots) | Back | 15mm | Sample 1 | - | DSI0 | 189 | 836.4 | 28.84 | 30.50 | 1.466 | -0.12 | 0.249 | 0.365 |
| 63 | GSM850_Ant 4 | GPRS (4 Tx slots) | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 251 | 848.8 | 30.05 | 30.50 | 1.109 | -0.13 | 0.725 | 0.804 |
| | GSM850_Ant 4 | GPRS (4 Tx slots) | Back | 0mm | Sample 2 | Soft Holster | DSI0 | 251 | 848.8 | 30.05 | 30.50 | 1.109 | -0.04 | 0.696 | 0.772 |
| | GSM850_Ant 4 | GPRS (4 Tx slots) | Back | 0mm | Sample 3 | Soft Holster | DSI0 | 251 | 848.8 | 30.05 | 30.50 | 1.109 | -0.14 | 0.652 | 0.723 |
| | GSM1900_Ant 4 | GPRS (4 Tx slots) | Front | 15mm | Sample 1 | - | DSI0 | 810 | 1909.8 | 27.23 | 27.5 | 1.064 | 0.01 | 0.089 | 0.095 |
| | GSM1900_Ant 4 | GPRS (4 Tx slots) | Back | 15mm | Sample 1 | - | DSI0 | 810 | 1909.8 | 27.23 | 27.5 | 1.064 | 0.03 | 0.285 | 0.303 |
| | GSM1900_Ant 4 | GPRS (4 Tx slots) | Back | 15mm | Sample 1 | - | DSI0 | 512 | 1850.2 | 26.63 | 27.5 | 1.222 | -0.11 | 0.255 | 0.312 |
| | GSM1900_Ant 4 | GPRS (4 Tx slots) | Back | 15mm | Sample 1 | - | DSI0 | 661 | 1880 | 26.61 | 27.5 | 1.227 | -0.05 | 0.358 | 0.439 |
| | GSM1900_Ant 4 | GPRS (4 Tx slots) | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 810 | 1909.8 | 27.23 | 27.5 | 1.064 | 0.03 | 0.218 | 0.232 |
| | GSM1900_Ant 4 | GPRS (4 Tx slots) | Back | 15mm | Sample 2 | - | DSI0 | 810 | 1909.8 | 27.23 | 27.5 | 1.064 | 0.06 | 0.372 | 0.396 |
| 64 | GSM1900_Ant 4 | GPRS (4 Tx slots) | Back | 15mm | Sample 3 | - | DSI0 | 810 | 1909.8 | 27.23 | 27.5 | 1.064 | 0.02 | 0.413 | 0.439 |

### <WCDMA SAR>

| Plot No. | Band | Mode | Test Position | Gap (mm) | Sample | Accessory | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | WCDMA II_Ant 2 | RMC 12.2Kbps | Front | 15mm | Sample 1 | - | DSI0 | 9538 | 1907.6 | 24.78 | 25.20 | 1.102 | -0.03 | 0.213 | 0.235 |
| | WCDMA II_Ant 2 | RMC 12.2Kbps | Back | 15mm | Sample 1 | - | DSI0 | 9538 | 1907.6 | 24.78 | 25.20 | 1.102 | -0.14 | 0.306 | 0.337 |
| | WCDMA II_Ant 2 | RMC 12.2Kbps | Back | 15mm | Sample 1 | - | DSI0 | 9262 | 1852.4 | 24.52 | 25.20 | 1.169 | -0.09 | 0.205 | 0.240 |
| | WCDMA II_Ant 2 | RMC 12.2Kbps | Back | 15mm | Sample 1 | - | DSI0 | 9400 | 1880 | 24.62 | 25.20 | 1.143 | 0.05 | 0.323 | 0.369 |
| 65 | WCDMA II_Ant 2 | RMC 12.2Kbps | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 9400 | 1880 | 24.62 | 25.20 | 1.143 | -0.18 | 0.494 | 0.565 |
| | WCDMA II_Ant 2 | RMC 12.2Kbps | Back | 0mm | Sample 2 | Soft Holster | DSI0 | 9400 | 1880 | 24.62 | 25.20 | 1.143 | -0.11 | 0.407 | 0.465 |
| | WCDMA II_Ant 2 | RMC 12.2Kbps | Back | 0mm | Sample 3 | Soft Holster | DSI0 | 9400 | 1880 | 24.62 | 25.20 | 1.143 | 0.05 | 0.421 | 0.481 |
| | WCDMA IV_Ant 2 | RMC 12.2Kbps | Front | 15mm | Sample 1 | - | DSI0 | 1312 | 1712.4 | 24.40 | 25.20 | 1.202 | 0.09 | 0.130 | 0.156 |
| | WCDMA IV_Ant 2 | RMC 12.2Kbps | Back | 15mm | Sample 1 | - | DSI0 | 1312 | 1712.4 | 24.40 | 25.20 | 1.202 | 0.02 | 0.373 | 0.448 |
| | WCDMA IV_Ant 2 | RMC 12.2Kbps | Back | 15mm | Sample 1 | - | DSI0 | 1413 | 1732.6 | 24.31 | 25.20 | 1.227 | -0.06 | 0.344 | 0.422 |
| | WCDMA IV_Ant 2 | RMC 12.2Kbps | Back | 15mm | Sample 1 | - | DSI0 | 1513 | 1752.6 | 24.38 | 25.20 | 1.208 | -0.08 | 0.387 | 0.467 |
| 66 | WCDMA IV_Ant 2 | RMC 12.2Kbps | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 1513 | 1752.6 | 24.38 | 25.20 | 1.208 | 0.13 | 0.395 | 0.477 |
| | WCDMA IV_Ant 2 | RMC 12.2Kbps | Back | 0mm | Sample 2 | Soft Holster | DSI0 | 1513 | 1752.6 | 24.38 | 25.20 | 1.208 | 0.03 | 0.204 | 0.246 |
| | WCDMA IV_Ant 2 | RMC 12.2Kbps | Back | 0mm | Sample 3 | Soft Holster | DSI0 | 1513 | 1752.6 | 24.38 | 25.20 | 1.208 | -0.06 | 0.394 | 0.476 |
| | WCDMA V_Ant 4 | RMC 12.2Kbps | Front | 15mm | Sample 1 | - | DSI0 | 4182 | 836.4 | 23.79 | 25.20 | 1.384 | -0.1 | 0.297 | 0.411 |
| | WCDMA V_Ant 4 | RMC 12.2Kbps | Front | 15mm | Sample 1 | - | DSI0 | 4132 | 826.4 | 23.75 | 25.20 | 1.396 | -0.03 | 0.212 | 0.296 |
| | WCDMA V_Ant 4 | RMC 12.2Kbps | Front | 15mm | Sample 1 | - | DSI0 | 4233 | 846.6 | 23.45 | 25.20 | 1.496 | -0.17 | 0.221 | 0.331 |
| | WCDMA V_Ant 4 | RMC 12.2Kbps | Back | 15mm | Sample 1 | - | DSI0 | 4182 | 836.4 | 23.79 | 25.20 | 1.384 | 0.05 | 0.285 | 0.394 |
| | WCDMA V_Ant 4 | RMC 12.2Kbps | Front | 0mm | Sample 1 | Soft Holster | DSI0 | 4182 | 836.4 | 23.79 | 25.20 | 1.384 | -0.01 | 0.325 | 0.450 |
| 67 | WCDMA V_Ant 4 | RMC 12.2Kbps | Front | 0mm | Sample 2 | Soft Holster | DSI0 | 4182 | 836.4 | 23.79 | 25.20 | 1.384 | -0.03 | 0.445 | 0.616 |
| | WCDMA V_Ant 4 | RMC 12.2Kbps | Front | 0mm | Sample 3 | Soft Holster | DSI0 | 4182 | 836.4 | 23.79 | 25.20 | 1.384 | -0.01 | 0.240 | 0.332 |

## <FDD LTE SAR>

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Sample | Accessory | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LTE Band 7_Ant 6 | 20M | QPSK | 1 | 0 | Front | 15mm | Sample 1 | - | DSI0 | 21350 | 2560 | 23.78 | 24.00 | 1.052 | 0.06 | 0.055 | 0.058 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 50 | 0 | Front | 15mm | Sample 1 | - | DSI0 | 21350 | 2560 | 22.65 | 23.00 | 1.084 | -0.04 | 0.043 | 0.047 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 21350 | 2560 | 23.78 | 24.00 | 1.052 | 0.03 | 0.147 | 0.155 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 20850 | 2510 | 23.46 | 24.00 | 1.132 | 0.08 | 0.114 | 0.129 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 21100 | 2535 | 23.10 | 24.00 | 1.230 | 0.03 | 0.117 | 0.144 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 50 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 21350 | 2560 | 22.65 | 23.00 | 1.084 | -0.17 | 0.122 | 0.132 |
| 68 | LTE Band 7_Ant 6 | 20M | QPSK | 1 | 0 | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 21350 | 2560 | 23.78 | 24.00 | 1.052 | 0.1 | 0.182 | 0.191 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 1 | 0 | Back | 0mm | Sample 2 | Soft Holster | DSI0 | 21350 | 2560 | 23.78 | 24.00 | 1.052 | -0.01 | 0.180 | 0.189 |
| | LTE Band 7_Ant 6 | 20M | QPSK | 1 | 0 | Back | 0mm | Sample 3 | Soft Holster | DSI0 | 21350 | 2560 | 23.78 | 24.00 | 1.052 | 0.1 | 0.179 | 0.188 |
| | LTE Band 7C_Ant 6 | 20M | QPSK | 1 | 0 | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 20850 | 2560 | 23.47 | 24.00 | 1.130 | 0.19 | 0.166 | 0.188 |
| | LTE Band 12_Ant 0 | 10M | QPSK | 1 | 0 | Front | 15mm | Sample 1 | - | DSI0 | 23095 | 707.5 | 23.83 | 24.70 | 1.222 | -0.04 | 0.060 | 0.073 |
| | LTE Band 12_Ant 0 | 10M | QPSK | 25 | 0 | Front | 15mm | Sample 1 | - | DSI0 | 23095 | 707.5 | 22.82 | 23.70 | 1.225 | -0.02 | 0.063 | 0.077 |
| | LTE Band 12_Ant 0 | 10M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 23095 | 707.5 | 23.83 | 24.70 | 1.222 | 0.1 | 0.094 | 0.115 |
| | LTE Band 12_Ant 0 | 10M | QPSK | 25 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 23095 | 707.5 | 22.82 | 23.70 | 1.225 | -0.02 | 0.067 | 0.082 |
| | LTE Band 12_Ant 0 | 10M | QPSK | 1 | 0 | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 23095 | 707.5 | 23.83 | 24.70 | 1.222 | 0.1 | 0.083 | 0.101 |
| 69 | LTE Band 12_Ant 0 | 10M | QPSK | 1 | 0 | Back | 15mm | Sample 2 | - | DSI0 | 23095 | 707.5 | 23.83 | 24.70 | 1.222 | -0.05 | 0.131 | 0.160 |
| | LTE Band 12_Ant 0 | 10M | QPSK | 1 | 0 | Back | 15mm | Sample 3 | - | DSI0 | 23095 | 707.5 | 23.83 | 24.70 | 1.222 | 0.05 | 0.108 | 0.132 |
| | LTE Band 13_Ant 0 | 10M | QPSK | 1 | 0 | Front | 15mm | Sample 1 | - | DSI0 | 23230 | 782 | 23.08 | 24.50 | 1.387 | 0.09 | 0.188 | 0.261 |
| | LTE Band 13_Ant 0 | 10M | QPSK | 25 | 0 | Front | 15mm | Sample 1 | - | DSI0 | 23230 | 782 | 22.02 | 23.50 | 1.406 | 0.07 | 0.155 | 0.218 |
| | LTE Band 13_Ant 0 | 10M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 23230 | 782 | 23.08 | 24.50 | 1.387 | -0.1 | 0.202 | 0.280 |
| | LTE Band 13_Ant 0 | 10M | QPSK | 25 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 23230 | 782 | 22.02 | 23.50 | 1.406 | -0.08 | 0.147 | 0.207 |
| | LTE Band 13_Ant 0 | 10M | QPSK | 1 | 0 | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 23230 | 782 | 23.08 | 24.50 | 1.387 | 0.1 | 0.330 | 0.458 |
| 70 | LTE Band 13_Ant 0 | 10M | QPSK | 1 | 0 | Back | 0mm | Sample 2 | Soft Holster | DSI0 | 23230 | 782 | 23.08 | 24.50 | 1.387 | -0.1 | 0.504 | 0.699 |
| | LTE Band 13_Ant 0 | 10M | QPSK | 1 | 0 | Back | 0mm | Sample 3 | Soft Holster | DSI0 | 23230 | 782 | 23.08 | 24.50 | 1.387 | 0 | 0.397 | 0.551 |
| | LTE Band 14_Ant 0 | 10M | QPSK | 1 | 0 | Front | 15mm | Sample 1 | - | DSI0 | 23330 | 793 | 23.70 | 24.70 | 1.259 | -0.09 | 0.170 | 0.214 |
| | LTE Band 14_Ant 0 | 10M | QPSK | 25 | 0 | Front | 15mm | Sample 1 | - | DSI0 | 23330 | 793 | 22.69 | 23.70 | 1.262 | 0.1 | 0.130 | 0.164 |
| | LTE Band 14_Ant 0 | 10M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 23330 | 793 | 23.70 | 24.70 | 1.259 | 0.01 | 0.220 | 0.277 |
| | LTE Band 14_Ant 0 | 10M | QPSK | 25 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 23330 | 793 | 22.69 | 23.70 | 1.262 | 0.08 | 0.177 | 0.223 |
| | LTE Band 14_Ant 0 | 10M | QPSK | 1 | 0 | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 23330 | 793 | 23.70 | 24.70 | 1.259 | -0.1 | 0.297 | 0.374 |
| | LTE Band 14_Ant 0 | 10M | QPSK | 1 | 0 | Back | 0mm | Sample 2 | Soft Holster | DSI0 | 23330 | 793 | 23.70 | 24.70 | 1.259 | -0.14 | 0.345 | 0.434 |
| 71 | LTE Band 14_Ant 0 | 10M | QPSK | 1 | 0 | Back | 0mm | Sample 3 | Soft Holster | DSI0 | 23330 | 793 | 23.70 | 24.70 | 1.259 | 0.01 | 0.464 | 0.584 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 1 | 0 | Front | 15mm | Sample 1 | - | DSI0 | 26340 | 1880 | 24.38 | 25.20 | 1.208 | 0.11 | 0.200 | 0.242 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 50 | 0 | Front | 15mm | Sample 1 | - | DSI0 | 26340 | 1880 | 23.26 | 24.20 | 1.242 | 0.07 | 0.193 | 0.240 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 26340 | 1880 | 24.38 | 25.20 | 1.208 | 0.04 | 0.210 | 0.254 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 26140 | 1860 | 24.32 | 25.20 | 1.225 | -0.05 | 0.274 | 0.336 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 26590 | 1905 | 24.33 | 25.20 | 1.222 | 0.08 | 0.274 | 0.335 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 50 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 26340 | 1880 | 23.26 | 24.20 | 1.242 | -0.04 | 0.257 | 0.319 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 1 | 0 | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 26590 | 1905 | 24.33 | 25.20 | 1.222 | 0.01 | 0.449 | 0.549 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 1 | 0 | Back | 0mm | Sample 2 | Soft Holster | DSI0 | 26590 | 1905 | 24.33 | 25.20 | 1.222 | -0.09 | 0.216 | 0.264 |
| | LTE Band 25_Ant 2 | 20M | QPSK | 1 | 0 | Back | 0mm | Sample 3 | Soft Holster | DSI0 | 26590 | 1905 | 24.33 | 25.20 | 1.222 | -0.15 | 0.308 | 0.376 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 1 | 0 | Front | 15mm | Sample 1 | - | DSI1 | 26340 | 1880 | 19.40 | 19.90 | 1.122 | -0.04 | 0.034 | 0.038 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 50 | 0 | Front | 15mm | Sample 1 | - | DSI1 | 26340 | 1880 | 18.39 | 18.90 | 1.125 | 0.01 | 0.029 | 0.033 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI1 | 26340 | 1880 | 19.40 | 19.90 | 1.122 | 0.09 | 0.168 | 0.188 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI1 | 26590 | 1905 | 19.44 | 19.90 | 1.112 | -0.13 | 0.234 | 0.260 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI1 | 26140 | 1860 | 19.41 | 19.90 | 1.119 | -0.05 | 0.152 | 0.170 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 50 | 0 | Back | 15mm | Sample 1 | - | DSI1 | 26340 | 1880 | 18.39 | 18.90 | 1.125 | -0.05 | 0.159 | 0.179 |
| 72 | LTE Band 25_Ant 4 | 20M | QPSK | 1 | 0 | Back | 0mm | Sample 1 | Soft Holster | DSI1 | 26590 | 1905 | 19.44 | 19.90 | 1.112 | -0.1 | 0.749 | 0.833 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 1 | 0 | Back | 0mm | Sample 1 | Soft Holster | DSI1 | 26140 | 1860 | 19.41 | 19.90 | 1.119 | 0.16 | 0.689 | 0.771 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 1 | 0 | Back | 0mm | Sample 1 | Soft Holster | DSI1 | 26340 | 1880 | 19.40 | 19.90 | 1.122 | 0.08 | 0.644 | 0.723 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 2 | - | DSI1 | 26590 | 1905 | 19.44 | 19.90 | 1.112 | -0.19 | 0.316 | 0.351 |
| | LTE Band 25_Ant 4 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 3 | - | DSI1 | 26590 | 1905 | 19.44 | 19.90 | 1.112 | 0.08 | 0.319 | 0.355 |

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Sample | Accessory | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LTE Band 26_Ant 4 | 15M | QPSK | 1 | 0 | Front | 15mm | Sample 1 | - | DSI0 | 26865 | 831.5 | 23.65 | 25.20 | 1.429 | -0.16 | 0.139 | 0.199 |
| | LTE Band 26_Ant 4 | 15M | QPSK | 36 | 0 | Front | 15mm | Sample 1 | - | DSI0 | 26865 | 831.5 | 23.44 | 24.20 | 1.191 | -0.08 | 0.112 | 0.133 |
| | LTE Band 26_Ant 4 | 15M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 26865 | 831.5 | 23.65 | 25.20 | 1.429 | -0.04 | 0.131 | 0.187 |
| | LTE Band 26_Ant 4 | 15M | QPSK | 36 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 26865 | 831.5 | 23.44 | 24.20 | 1.191 | -0.15 | 0.108 | 0.129 |
| | LTE Band 26_Ant 4 | 15M | QPSK | 1 | 0 | Front | 0mm | Sample 1 | Soft Holster | DSI0 | 26865 | 831.5 | 23.65 | 25.20 | 1.429 | -0.03 | 0.159 | 0.227 |
| 73 | LTE Band 26_Ant 4 | 15M | QPSK | 1 | 0 | Front | 0mm | Sample 2 | Soft Holster | DSI0 | 26865 | 831.5 | 23.65 | 25.20 | 1.429 | -0.16 | 0.241 | 0.344 |
| | LTE Band 26_Ant 4 | 15M | QPSK | 1 | 0 | Front | 0mm | Sample 3 | Soft Holster | DSI0 | 26865 | 831.5 | 23.65 | 25.20 | 1.429 | 0.09 | 0.130 | 0.186 |
| | LTE Band 5B_Ant 4 | 10M | QPSK | 1 | 0 | Front | 0mm | Sample 2 | Soft Holster | DSI0 | 20575 | 841.5 | 25.09 | 25.20 | 1.026 | 0.08 | 0.217 | 0.223 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 1 | 0 | Front | 15mm | Sample 1 | - | DSI0 | 132572 | 1770 | 24.37 | 25.20 | 1.211 | 0.09 | 0.094 | 0.114 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 50 | 0 | Front | 15mm | Sample 1 | - | DSI0 | 132572 | 1770 | 23.53 | 24.20 | 1.167 | 0.04 | 0.092 | 0.107 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 132572 | 1770 | 24.37 | 25.20 | 1.211 | -0.08 | 0.174 | 0.211 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 132072 | 1720 | 24.00 | 25.20 | 1.318 | -0.02 | 0.125 | 0.165 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 132322 | 1745 | 24.11 | 25.20 | 1.285 | -0.08 | 0.112 | 0.144 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 50 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 132572 | 1770 | 23.53 | 24.20 | 1.167 | -0.1 | 0.105 | 0.123 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 1 | 0 | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 132572 | 1770 | 24.37 | 25.20 | 1.211 | -0.18 | 0.239 | 0.289 |
| 74 | LTE Band 66_Ant 2 | 20M | QPSK | 1 | 0 | Back | 0mm | Sample 2 | Soft Holster | DSI0 | 132572 | 1770 | 24.37 | 25.20 | 1.211 | -0.11 | 0.298 | 0.361 |
| | LTE Band 66_Ant 2 | 20M | QPSK | 1 | 0 | Back | 0mm | Sample 3 | Soft Holster | DSI0 | 132572 | 1770 | 24.37 | 25.20 | 1.211 | -0.16 | 0.167 | 0.202 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 1 | 0 | Front | 15mm | Sample 1 | - | DSI1 | 132572 | 1770 | 21.19 | 22.10 | 1.233 | -0.01 | 0.059 | 0.073 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 50 | 0 | Front | 15mm | Sample 1 | - | DSI1 | 132572 | 1770 | 20.60 | 22.10 | 1.413 | -0.08 | 0.047 | 0.066 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI1 | 132572 | 1770 | 21.19 | 22.10 | 1.233 | 0.11 | 0.144 | 0.178 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI1 | 132072 | 1720 | 21.09 | 22.10 | 1.262 | -0.09 | 0.121 | 0.153 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI1 | 132322 | 1745 | 20.94 | 22.10 | 1.306 | 0.07 | 0.131 | 0.171 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 50 | 0 | Back | 15mm | Sample 1 | - | DSI1 | 132572 | 1770 | 20.60 | 22.10 | 1.413 | -0.01 | 0.111 | 0.157 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 1 | 0 | Back | 0mm | Sample 1 | Soft Holster | DSI1 | 132572 | 1770 | 21.19 | 22.10 | 1.233 | -0.05 | 0.127 | 0.157 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 2 | - | DSI1 | 132572 | 1770 | 21.19 | 22.10 | 1.233 | -0.1 | 0.203 | 0.250 |
| | LTE Band 66_Ant 4 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 3 | - | DSI1 | 132572 | 1770 | 21.19 | 22.10 | 1.233 | -0.07 | 0.276 | 0.340 |
| | LTE Band 66B_Ant 4 | 15M | QPSK | 1 | 0 | Back | 15mm | Sample 3 | - | DSI1 | 132322 | 1745 | 21.06 | 22.10 | 1.271 | -0.08 | 0.251 | 0.319 |
| | LTE Band 66C_Ant 4 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 3 | - | DSI1 | 132322 | 1745 | 21.11 | 22.10 | 1.256 | -0.12 | 0.265 | 0.333 |
| | LTE Band 71_Ant 0 | 20M | QPSK | 1 | 0 | Front | 15mm | Sample 1 | - | DSI0 | 133297 | 680.5 | 23.70 | 24.70 | 1.259 | 0.07 | 0.349 | 0.439 |
| | LTE Band 71_Ant 0 | 20M | QPSK | 50 | 0 | Front | 15mm | Sample 1 | - | DSI0 | 133297 | 680.5 | 22.68 | 23.70 | 1.265 | -0.11 | 0.290 | 0.367 |
| | LTE Band 71_Ant 0 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 133297 | 680.5 | 23.70 | 24.70 | 1.259 | 0.06 | 0.355 | 0.447 |
| | LTE Band 71_Ant 0 | 20M | QPSK | 50 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 133297 | 680.5 | 22.68 | 23.70 | 1.265 | 0.1 | 0.338 | 0.427 |
| | LTE Band 71_Ant 0 | 20M | QPSK | 1 | 0 | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 133297 | 680.5 | 23.70 | 24.70 | 1.259 | 0.07 | 0.363 | 0.457 |
| 75 | LTE Band 71_Ant 0 | 20M | QPSK | 1 | 0 | Back | 0mm | Sample 2 | Soft Holster | DSI0 | 133297 | 680.5 | 23.70 | 24.70 | 1.259 | -0.03 | 0.383 | 0.482 |
| | LTE Band 71_Ant 0 | 20M | QPSK | 1 | 0 | Back | 0mm | Sample 3 | Soft Holster | DSI0 | 133297 | 680.5 | 23.70 | 24.70 | 1.259 | -0.16 | 0.379 | 0.477 |

## <TDD LTE SAR>

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Sample | Accessory | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Front | 15mm | Sample 1 | - | DSI0 | 41055 | 2636.5 | 24.34 | 25.00 | 1.164 | 62.9 | 1.006 | 0.06 | 0.081 | 0.095 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 50 | 0 | Front | 15mm | Sample 1 | - | DSI0 | 41055 | 2636.5 | 23.19 | 24.00 | 1.205 | 62.9 | 1.006 | -0.18 | 0.068 | 0.082 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 41055 | 2636.5 | 24.34 | 25.00 | 1.164 | 62.9 | 1.006 | -0.07 | 0.258 | 0.302 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 50 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 41055 | 2636.5 | 23.19 | 24.00 | 1.205 | 62.9 | 1.006 | -0.02 | 0.211 | 0.256 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 39750 | 2506 | 23.83 | 25.00 | 1.309 | 62.9 | 1.006 | 0.01 | 0.198 | 0.261 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 40185 | 2549.5 | 23.90 | 25.00 | 1.288 | 62.9 | 1.006 | -0.08 | 0.209 | 0.271 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 40620 | 2593 | 24.20 | 25.00 | 1.202 | 62.9 | 1.006 | 0.07 | 0.237 | 0.287 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 41490 | 2680 | 24.22 | 25.00 | 1.197 | 62.9 | 1.006 | -0.08 | 0.255 | 0.307 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 39790 | 2510 | 23.81 | 25.00 | 1.315 | 62.9 | 1.006 | 0.02 | 0.198 | 0.262 |
| 76 | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 41490 | 2680 | 24.22 | 25.00 | 1.197 | 62.9 | 1.006 | -0.03 | 0.305 | 0.367 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Back | 0mm | Sample 2 | Soft Holster | DSI0 | 41490 | 2680 | 24.22 | 25.00 | 1.197 | 62.9 | 1.006 | 0 | 0.268 | 0.323 |
| | LTE Band 41_Ant 6 | 20M | QPSK | 1 | 0 | Back | 0mm | Sample 3 | Soft Holster | DSI0 | 41490 | 2680 | 24.22 | 25.00 | 1.197 | 62.9 | 1.006 | -0.01 | 0.274 | 0.330 |
| | LTE Band 41C_Ant 6 | 20M | QPSK | 1 | 0 | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 40620 | 2593 | 24.69 | 25.00 | 1.074 | 62.9 | 1.006 | -0.12 | 0.284 | 0.307 |
| | LTE Band 41_HPUE_Ant 6 | 20M | QPSK | 1 | 0 | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 41490 | 2680 | 26.53 | 27.00 | 1.114 | 62.9 | 1.006 | -0.1 | 0.321 | 0.360 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Front | 15mm | Sample 1 | - | DSI0 | 55340 | 3560 | 21.80 | 22.00 | 1.047 | 62.9 | 1.006 | 0.1 | 0.061 | 0.064 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 50 | 0 | Front | 15mm | Sample 1 | - | DSI0 | 55340 | 3560 | 20.88 | 21.00 | 1.028 | 62.9 | 1.006 | -0.06 | 0.058 | 0.060 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 55340 | 3560 | 21.80 | 22.00 | 1.047 | 62.9 | 1.006 | -0.04 | 0.081 | 0.085 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 55830 | 3609 | 21.45 | 22.00 | 1.135 | 62.9 | 1.006 | -0.12 | 0.095 | 0.108 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 56150 | 3641 | 21.50 | 22.00 | 1.122 | 62.9 | 1.006 | -0.18 | 0.093 | 0.105 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 56640 | 3690 | 21.79 | 22.00 | 1.050 | 62.9 | 1.006 | -0.09 | 0.108 | 0.114 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 50 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 55340 | 3560 | 20.88 | 21.00 | 1.028 | 62.9 | 1.006 | -0.1 | 0.072 | 0.074 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 56640 | 3690 | 21.79 | 22.00 | 1.050 | 62.9 | 1.006 | -0.14 | 0.055 | 0.058 |
| | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 2 | - | DSI0 | 56640 | 3690 | 21.79 | 22.00 | 1.050 | 62.9 | 1.006 | 0.06 | 0.215 | 0.227 |
| 77 | LTE Band 48_Ant 12 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 3 | - | DSI0 | 56640 | 3690 | 21.79 | 22.00 | 1.050 | 62.9 | 1.006 | -0.18 | 0.318 | 0.336 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Front | 15mm | Sample 1 | - | DSI0 | 55340 | 3560 | 21.97 | 22.00 | 1.007 | 62.9 | 1.590 | -0.19 | 0.084 | 0.134 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Front | 15mm | Sample 1 | - | DSI0 | 55830 | 3609 | 21.72 | 22.00 | 1.067 | 62.9 | 1.006 | -0.1 | 0.069 | 0.074 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Front | 15mm | Sample 1 | - | DSI0 | 56150 | 3641 | 21.66 | 22.00 | 1.081 | 62.9 | 1.006 | 0.08 | 0.080 | 0.087 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Front | 15mm | Sample 1 | - | DSI0 | 56640 | 3690 | 21.96 | 22.00 | 1.009 | 62.9 | 1.006 | 0.09 | 0.077 | 0.078 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 50 | 0 | Front | 15mm | Sample 1 | - | DSI0 | 55340 | 3560 | 21.02 | 21.50 | 1.117 | 62.9 | 1.006 | -0.07 | 0.070 | 0.079 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 55340 | 3560 | 21.97 | 22.00 | 1.007 | 62.9 | 1.006 | 0.07 | 0.066 | 0.067 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 50 | 0 | Back | 15mm | Sample 1 | - | DSI0 | 55340 | 3560 | 21.02 | 21.50 | 1.117 | 62.9 | 1.006 | -0.05 | 0.064 | 0.072 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Front | 0mm | Sample 1 | Soft Holster | DSI0 | 56150 | 3641 | 21.66 | 22.00 | 1.081 | 62.9 | 1.006 | -0.07 | 0.074 | 0.081 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Front | 15mm | Sample 2 | - | DSI0 | 56150 | 3641 | 21.66 | 22.00 | 1.081 | 62.9 | 1.006 | -0.14 | 0.209 | 0.227 |
| | LTE Band 48_Ant 11 | 20M | QPSK | 1 | 0 | Front | 15mm | Sample 3 | - | DSI0 | 56150 | 3641 | 21.66 | 22.00 | 1.081 | 62.9 | 1.006 | -0.17 | 0.179 | 0.195 |
| | LTE Band 48C_Ant 11 | 20M | QPSK | 1 | 0 | Front | 15mm | Sample 2 | - | DSI0 | 55340 | 3560 | 21.28 | 22.00 | 1.180 | 62.9 | 1.006 | 0.07 | 0.167 | 0.198 |

## <5G NR SAR>

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Sample | Accessory | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FR1 n7_Ant 6 | 20M | BPSK | 1 | 1 | Front | 15mm | Sample 1 | - | DSI0 | 507000 | 2535 | 22.77 | 24.00 | 1.327 | -0.18 | 0.057 | 0.076 |
| | FR1 n7_Ant 6 | 20M | BPSK | 50 | 28 | Front | 15mm | Sample 1 | - | DSI0 | 507000 | 2535 | 22.63 | 24.00 | 1.371 | 0.1 | 0.055 | 0.075 |
| | FR1 n7_Ant 6 | 20M | BPSK | 1 | 1 | Back | 15mm | Sample 1 | - | DSI0 | 507000 | 2535 | 22.77 | 24.00 | 1.327 | -0.19 | 0.135 | 0.179 |
| | FR1 n7_Ant 6 | 20M | BPSK | 50 | 28 | Back | 15mm | Sample 1 | - | DSI0 | 507000 | 2535 | 22.63 | 24.00 | 1.371 | -0.11 | 0.160 | 0.219 |
| | FR1 n7_Ant 6 | 20M | BPSK | 50 | 28 | Back | 15mm | Sample 1 | - | DSI0 | 502000 | 2510 | 22.51 | 24.00 | 1.409 | 0.015 | 0.150 | 0.211 |
| | FR1 n7_Ant 6 | 20M | BPSK | 50 | 28 | Back | 15mm | Sample 1 | - | DSI0 | 512000 | 2560 | 22.53 | 24.00 | 1.403 | -0.09 | 0.142 | 0.199 |
| | FR1 n7_Ant 6 | 20M | BPSK | 50 | 28 | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 507000 | 2535 | 22.63 | 24.00 | 1.371 | -0.09 | 0.128 | 0.175 |
| | FR1 n7_Ant 6 | 20M | BPSK | 50 | 28 | Back | 15mm | Sample 2 | - | DSI0 | 507000 | 2535 | 22.63 | 24.00 | 1.371 | 0.06 | 0.170 | 0.233 |
| 78 | FR1 n7_Ant 6 | 20M | BPSK | 50 | 28 | Back | 15mm | Sample 3 | - | DSI0 | 507000 | 2535 | 22.63 | 24.00 | 1.371 | -0.14 | 0.188 | 0.258 |
| | FR1 n12_Ant 0 | 15M | BPSK | 1 | 1 | Front | 15mm | Sample 1 | - | DSI0 | 141500 | 707.5 | 24.62 | 24.70 | 1.019 | -0.01 | 0.109 | 0.111 |
| | FR1 n12_Ant 0 | 15M | BPSK | 36 | 22 | Front | 15mm | Sample 1 | - | DSI0 | 141500 | 707.5 | 24.14 | 24.70 | 1.138 | -0.19 | 0.123 | 0.140 |
| | FR1 n12_Ant 0 | 15M | BPSK | 1 | 1 | Back | 15mm | Sample 1 | - | DSI0 | 141500 | 707.5 | 24.62 | 24.70 | 1.019 | -0.13 | 0.144 | 0.147 |
| | FR1 n12_Ant 0 | 15M | BPSK | 36 | 22 | Back | 15mm | Sample 1 | - | DSI0 | 141500 | 707.5 | 24.14 | 24.70 | 1.138 | -0.04 | 0.152 | 0.173 |
| | FR1 n12_Ant 0 | 15M | BPSK | 36 | 22 | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 141500 | 707.5 | 24.14 | 24.70 | 1.138 | -0.05 | 0.171 | 0.195 |
| | FR1 n12_Ant 0 | 15M | BPSK | 36 | 22 | Back | 0mm | Sample 2 | Soft Holster | DSI0 | 141500 | 707.5 | 24.14 | 24.70 | 1.138 | 0.08 | 0.278 | 0.316 |
| 79 | FR1 n12_Ant 0 | 15M | BPSK | 36 | 22 | Back | 0mm | Sample 3 | Soft Holster | DSI0 | 141500 | 707.5 | 24.14 | 24.70 | 1.138 | -0.05 | 0.288 | 0.328 |
| | FR1 n13_Ant 0 | 10M | BPSK | 1 | 1 | Front | 15mm | Sample 1 | - | DSI0 | 156400 | 782 | 23.67 | 24.50 | 1.211 | -0.02 | 0.211 | 0.255 |
| | FR1 n13_Ant 0 | 10M | BPSK | 25 | 14 | Front | 15mm | Sample 1 | - | DSI0 | 156400 | 782 | 23.54 | 24.50 | 1.247 | 0.06 | 0.213 | 0.266 |
| | FR1 n13_Ant 0 | 10M | BPSK | 1 | 1 | Back | 15mm | Sample 1 | - | DSI0 | 156400 | 782 | 23.67 | 24.50 | 1.211 | 0.01 | 0.217 | 0.263 |
| | FR1 n13_Ant 0 | 10M | BPSK | 25 | 14 | Back | 15mm | Sample 1 | - | DSI0 | 156400 | 782 | 23.54 | 24.50 | 1.247 | -0.07 | 0.219 | 0.273 |
| | FR1 n13_Ant 0 | 10M | BPSK | 25 | 14 | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 156400 | 782 | 23.54 | 24.50 | 1.247 | 0.05 | 0.409 | 0.510 |
| 80 | FR1 n13_Ant 0 | 10M | BPSK | 25 | 14 | Back | 0mm | Sample 2 | Soft Holster | DSI0 | 156400 | 782 | 23.54 | 24.50 | 1.247 | -0.11 | 0.494 | 0.616 |
| | FR1 n13_Ant 0 | 10M | BPSK | 25 | 14 | Back | 0mm | Sample 3 | Soft Holster | DSI0 | 156400 | 782 | 23.54 | 24.50 | 1.247 | 0.1 | 0.413 | 0.515 |
| | FR1 n14_Ant 0 | 10M | BPSK | 1 | 1 | Front | 15mm | Sample 1 | - | DSI0 | 158600 | 793 | 23.86 | 24.70 | 1.213 | -0.04 | 0.134 | 0.163 |
| | FR1 n14_Ant 0 | 10M | BPSK | 25 | 14 | Front | 15mm | Sample 1 | - | DSI0 | 158600 | 793 | 23.79 | 24.70 | 1.233 | -0.11 | 0.155 | 0.191 |
| | FR1 n14_Ant 0 | 10M | BPSK | 1 | 1 | Back | 15mm | Sample 1 | - | DSI0 | 158600 | 793 | 23.86 | 24.70 | 1.213 | 0 | 0.157 | 0.191 |
| | FR1 n14_Ant 0 | 10M | BPSK | 25 | 14 | Back | 15mm | Sample 1 | - | DSI0 | 158600 | 793 | 23.79 | 24.70 | 1.233 | -0.05 | 0.188 | 0.232 |
| 81 | FR1 n14_Ant 0 | 10M | BPSK | 25 | 14 | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 158600 | 793 | 23.79 | 24.70 | 1.233 | -0.06 | 0.379 | 0.467 |
| | FR1 n14_Ant 0 | 10M | BPSK | 25 | 14 | Back | 0mm | Sample 2 | Soft Holster | DSI0 | 158600 | 793 | 23.79 | 24.70 | 1.233 | -0.19 | 0.220 | 0.271 |
| | FR1 n14_Ant 0 | 10M | BPSK | 25 | 14 | Back | 0mm | Sample 3 | Soft Holster | DSI0 | 158600 | 793 | 23.79 | 24.70 | 1.233 | -0.09 | 0.271 | 0.334 |
| | FR1 n25_Ant 2 | 20M | BPSK | 1 | 1 | Front | 15mm | Sample 1 | - | DSI0 | 376500 | 1882.5 | 24.87 | 25.20 | 1.079 | 0.02 | 0.055 | 0.059 |
| | FR1 n25_Ant 2 | 20M | BPSK | 50 | 28 | Front | 15mm | Sample 1 | - | DSI0 | 376500 | 1882.5 | 24.65 | 25.20 | 1.135 | -0.08 | 0.066 | 0.075 |
| | FR1 n25_Ant 2 | 20M | BPSK | 1 | 1 | Back | 15mm | Sample 1 | - | DSI0 | 376500 | 1882.5 | 24.87 | 25.20 | 1.079 | -0.07 | 0.068 | 0.073 |
| | FR1 n25_Ant 2 | 20M | BPSK | 50 | 28 | Back | 15mm | Sample 1 | - | DSI0 | 376500 | 1882.5 | 24.65 | 25.20 | 1.135 | 0.04 | 0.137 | 0.155 |
| | FR1 n25_Ant 2 | 20M | BPSK | 50 | 28 | Back | 15mm | Sample 1 | - | DSI0 | 372000 | 1860 | 24.58 | 25.20 | 1.153 | 0.001 | 0.119 | 0.137 |
| | FR1 n25_Ant 2 | 20M | BPSK | 50 | 28 | Back | 15mm | Sample 1 | - | DSI0 | 381000 | 1905 | 24.60 | 25.20 | 1.148 | -0.12 | 0.132 | 0.152 |
| | FR1 n25_Ant 2 | 20M | BPSK | 50 | 28 | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 376500 | 1882.5 | 24.65 | 25.20 | 1.135 | -0.01 | 0.079 | 0.090 |
| | FR1 n25_Ant 2 | 20M | BPSK | 50 | 28 | Back | 15mm | Sample 2 | - | DSI0 | 376500 | 1882.5 | 24.65 | 25.20 | 1.135 | -0.01 | 0.083 | 0.094 |
| | FR1 n25_Ant 2 | 20M | BPSK | 50 | 28 | Back | 15mm | Sample 3 | - | DSI0 | 376500 | 1882.5 | 24.65 | 25.20 | 1.135 | -0.11 | 0.069 | 0.078 |
| | FR1 n25_Ant 4 | 20M | BPSK | 1 | 1 | Front | 15mm | Sample 1 | - | DSI1 | 376500 | 1882.5 | 23.59 | 23.60 | 1.002 | -0.07 | 0.086 | 0.086 |
| | FR1 n25_Ant 4 | 20M | BPSK | 50 | 28 | Front | 15mm | Sample 1 | - | DSI1 | 376500 | 1882.5 | 23.41 | 23.60 | 1.045 | -0.02 | 0.087 | 0.091 |
| | FR1 n25_Ant 4 | 20M | BPSK | 1 | 1 | Back | 15mm | Sample 1 | - | DSI1 | 376500 | 1882.5 | 23.59 | 23.60 | 1.002 | -0.05 | 0.328 | 0.329 |
| | FR1 n25_Ant 4 | 20M | BPSK | 50 | 28 | Back | 15mm | Sample 1 | - | DSI1 | 376500 | 1882.5 | 23.41 | 23.60 | 1.045 | 0.05 | 0.374 | 0.391 |
| | FR1 n25_Ant 4 | 20M | BPSK | 50 | 28 | Back | 15mm | Sample 1 | - | DSI1 | 372000 | 1860 | 23.40 | 23.60 | 1.047 | -0.06 | 0.370 | 0.387 |
| | FR1 n25_Ant 4 | 20M | BPSK | 50 | 28 | Back | 15mm | Sample 1 | - | DSI1 | 381000 | 1905 | 23.37 | 23.60 | 1.054 | 0.01 | 0.368 | 0.388 |
| 82 | FR1 n25_Ant 4 | 20M | BPSK | 50 | 28 | Back | 0mm | Sample 1 | Soft Holster | DSI1 | 376500 | 1882.5 | 23.41 | 23.60 | 1.045 | -0.11 | 1.010 | 1.055 |
| | FR1 n25_Ant 4 | 20M | BPSK | 50 | 28 | Back | 0mm | Sample 1 | Soft Holster | DSI1 | 372000 | 1860 | 23.40 | 23.60 | 1.047 | 0.01 | 0.942 | 0.986 |
| | FR1 n25_Ant 4 | 20M | BPSK | 50 | 28 | Back | 0mm | Sample 1 | Soft Holster | DSI1 | 381000 | 1905 | 23.37 | 23.60 | 1.054 | -0.08 | 0.937 | 0.988 |
| | FR1 n25_Ant 4 | 20M | BPSK | 50 | 28 | Back | 0mm | Sample 2 | Soft Holster | DSI1 | 376500 | 1882.5 | 23.41 | 23.60 | 1.045 | 0.07 | 0.866 | 0.905 |
| | FR1 n25_Ant 4 | 20M | BPSK | 50 | 28 | Back | 0mm | Sample 3 | Soft Holster | DSI1 | 376500 | 1882.5 | 23.41 | 23.60 | 1.045 | 0.06 | 0.949 | 0.991 |

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Sample | Accessory | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FR1 n26_Ant 4 | 20M | BPSK | 1 | 1 | Front | 15mm | Sample 1 | - | DSI0 | 166300 | 831.5 | 24.46 | 25.20 | 1.186 | -0.04 | 0.146 | 0.173 |
| | FR1 n26_Ant 4 | 20M | BPSK | 50 | 28 | Front | 15mm | Sample 1 | - | DSI0 | 166300 | 831.5 | 24.20 | 25.20 | 1.259 | 0.06 | 0.152 | 0.191 |
| | FR1 n26_Ant 4 | 20M | BPSK | 1 | 1 | Back | 15mm | Sample 1 | - | DSI0 | 166300 | 831.5 | 24.46 | 25.20 | 1.186 | -0.17 | 0.168 | 0.199 |
| | FR1 n26_Ant 4 | 20M | BPSK | 50 | 28 | Back | 15mm | Sample 1 | - | DSI0 | 166300 | 831.5 | 24.20 | 25.20 | 1.259 | -0.08 | 0.182 | 0.229 |
| | FR1 n26_Ant 4 | 20M | BPSK | 50 | 28 | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 166300 | 831.5 | 24.20 | 25.20 | 1.259 | -0.14 | 0.236 | 0.297 |
| 83 | FR1 n26_Ant 4 | 20M | BPSK | 50 | 28 | Back | 0mm | Sample 2 | Soft Holster | DSI0 | 166300 | 831.5 | 24.20 | 25.20 | 1.259 | -0.11 | 0.332 | 0.418 |
| | FR1 n26_Ant 4 | 20M | BPSK | 50 | 28 | Back | 0mm | Sample 3 | Soft Holster | DSI0 | 166300 | 831.5 | 24.20 | 25.20 | 1.259 | 0.07 | 0.315 | 0.397 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 1 | 1 | Front | 15mm | Sample 1 | - | DSI0 | 518598 | 2592.99 | 26.10 | 27.00 | 1.230 | -0.02 | 0.170 | 0.209 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 135 | 69 | Front | 15mm | Sample 1 | - | DSI0 | 518598 | 2592.99 | 26.48 | 27.00 | 1.127 | -0.07 | 0.129 | 0.145 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 1 | 1 | Back | 15mm | Sample 1 | - | DSI0 | 518598 | 2592.99 | 26.10 | 27.00 | 1.230 | 0.01 | 0.439 | 0.540 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 135 | 69 | Back | 15mm | Sample 1 | - | DSI0 | 518598 | 2592.99 | 26.48 | 27.00 | 1.127 | -0.06 | 0.450 | 0.507 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 135 | 69 | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 518598 | 2592.99 | 26.48 | 27.00 | 1.127 | 0.19 | 0.546 | 0.615 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 135 | 69 | Back | 0mm | Sample 2 | Soft Holster | DSI0 | 518598 | 2592.99 | 26.48 | 27.00 | 1.127 | 0.09 | 0.428 | 0.482 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 135 | 69 | Back | 0mm | Sample 3 | Soft Holster | DSI0 | 518598 | 2592.99 | 26.48 | 27.00 | 1.127 | -0.15 | 0.425 | 0.479 |
| 84 | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 135 | 69 | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 518598 | 2592.99 | 26.48 | 27.00 | 1.127 | -0.19 | 0.559 | 0.630 |
| | FR1 n41_HPUE_Ant 12 | 100M | CW | - | - | Front | 15mm | Sample 1 | - | DSI1 | 518598 | 2592.99 | 25.73 | 25.90 | 1.040 | -0.07 | 0.357 | 0.371 |
| | FR1 n41_HPUE_Ant 12 | 100M | CW | - | - | Back | 15mm | Sample 1 | - | DSI1 | 518598 | 2592.99 | 25.73 | 25.90 | 1.040 | -0.05 | 0.400 | 0.416 |
| | FR1 n41_HPUE_Ant 12 | 100M | CW | - | - | Back | 0mm | Sample 1 | Soft Holster | DSI1 | 518598 | 2592.99 | 25.73 | 25.90 | 1.040 | -0.06 | 0.439 | 0.457 |
| | FR1 n41_HPUE_Ant 12 | 100M | CW | - | - | Back | 0mm | Sample 2 | Soft Holster | DSI1 | 518598 | 2592.99 | 25.73 | 25.90 | 1.040 | 0.15 | 0.485 | 0.504 |
| | FR1 n41_HPUE_Ant 12 | 100M | CW | - | - | Back | 0mm | Sample 3 | Soft Holster | DSI1 | 518598 | 2592.99 | 25.73 | 25.90 | 1.040 | 0.01 | 0.425 | 0.442 |
| | FR1 n41_HPUE_Ant 1 | 100M | CW | - | - | Front | 15mm | Sample 1 | - | DSI0 | 518598 | 2592.99 | 26.27 | 27.00 | 1.183 | -0.03 | 0.210 | 0.248 |
| | FR1 n41_HPUE_Ant 1 | 100M | CW | - | - | Back | 15mm | Sample 1 | - | DSI0 | 518598 | 2592.99 | 26.27 | 27.00 | 1.183 | 0.07 | 0.101 | 0.119 |
| | FR1 n41_HPUE_Ant 1 | 100M | CW | - | - | Front | 0mm | Sample 1 | Soft Holster | DSI0 | 518598 | 2592.99 | 26.27 | 27.00 | 1.183 | -0.12 | 0.151 | 0.179 |
| | FR1 n41_HPUE_Ant 1 | 100M | CW | - | - | Front | 15mm | Sample 2 | - | DSI0 | 518598 | 2592.99 | 26.27 | 27.00 | 1.183 | -0.13 | 0.209 | 0.247 |
| | FR1 n41_HPUE_Ant 1 | 100M | CW | - | - | Front | 15mm | Sample 3 | - | DSI0 | 518598 | 2592.99 | 26.27 | 27.00 | 1.183 | 0.05 | 0.205 | 0.243 |
| | FR1 n41_HPUE_Ant 7 | 100M | CW | - | - | Front | 15mm | Sample 1 | - | DSI0 | 518598 | 2592.99 | 26.87 | 27.00 | 1.030 | 0.04 | 0.193 | 0.199 |
| | FR1 n41_HPUE_Ant 7 | 100M | CW | - | - | Back | 15mm | Sample 1 | - | DSI0 | 518598 | 2592.99 | 26.87 | 27.00 | 1.030 | 0.05 | 0.287 | 0.296 |
| | FR1 n41_HPUE_Ant 7 | 100M | CW | - | - | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 518598 | 2592.99 | 26.87 | 27.00 | 1.030 | 0.07 | 0.219 | 0.226 |
| | FR1 n41_HPUE_Ant 7 | 100M | CW | - | - | Back | 15mm | Sample 2 | - | DSI0 | 518598 | 2592.99 | 26.87 | 27.00 | 1.030 | -0.19 | 0.160 | 0.165 |
| | FR1 n41_HPUE_Ant 7 | 100M | CW | - | - | Back | 15mm | Sample 3 | - | DSI0 | 518598 | 2592.99 | 26.87 | 27.00 | 1.030 | -0.08 | 0.183 | 0.189 |
| | FR1 n48_Ant 12 | 40M | BPSK | 1 | 1 | Front | 15mm | Sample 1 | - | DSI0 | 641666 | 3624.99 | 21.7 | 22 | 1.072 | -0.07 | 0.180 | 0.193 |
| | FR1 n48_Ant 12 | 40M | BPSK | 50 | 28 | Front | 15mm | Sample 1 | - | DSI0 | 641666 | 3624.99 | 21.58 | 22 | 1.102 | -0.11 | 0.177 | 0.195 |
| | FR1 n48_Ant 12 | 40M | BPSK | 1 | 1 | Back | 15mm | Sample 1 | - | DSI0 | 641666 | 3624.99 | 21.7 | 22 | 1.072 | -0.19 | 0.272 | 0.291 |
| | FR1 n48_Ant 12 | 40M | BPSK | 50 | 28 | Back | 15mm | Sample 1 | - | DSI0 | 641666 | 3624.99 | 21.58 | 22 | 1.102 | -0.04 | 0.327 | 0.360 |
| | FR1 n48_Ant 12 | 40M | BPSK | 50 | 28 | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 641666 | 3624.99 | 21.58 | 22 | 1.102 | -0.03 | 0.330 | 0.364 |
| | FR1 n48_Ant 12 | 40M | BPSK | 50 | 28 | Back | 0mm | Sample 2 | Soft Holster | DSI0 | 641666 | 3624.99 | 21.58 | 22 | 1.102 | -0.01 | 0.351 | 0.387 |
| 85 | FR1 n48_Ant 12 | 40M | BPSK | 50 | 28 | Back | 0mm | Sample 3 | Soft Holster | DSI0 | 641666 | 3624.99 | 21.58 | 22 | 1.102 | -0.02 | 0.385 | 0.424 |
| | FR1 n48_Ant 11 | 40M | BPSK | 1 | 1 | Front | 15mm | Sample 1 | - | DSI0 | 641666 | 3624.99 | 21.93 | 22 | 1.016 | -0.15 | 0.098 | 0.100 |
| | FR1 n48_Ant 11 | 40M | BPSK | 50 | 28 | Front | 15mm | Sample 1 | - | DSI0 | 641666 | 3624.99 | 21.51 | 22 | 1.119 | 0.06 | 0.090 | 0.101 |
| | FR1 n48_Ant 11 | 40M | BPSK | 1 | 1 | Back | 15mm | Sample 1 | - | DSI0 | 641666 | 3624.99 | 21.93 | 22 | 1.016 | 0 | 0.087 | 0.088 |
| | FR1 n48_Ant 11 | 40M | BPSK | 50 | 28 | Back | 15mm | Sample 1 | - | DSI0 | 641666 | 3624.99 | 21.51 | 22 | 1.119 | 0.07 | 0.080 | 0.090 |
| | FR1 n48_Ant 11 | 40M | BPSK | 50 | 28 | Front | 0mm | Sample 1 | Soft Holster | DSI0 | 641666 | 3624.99 | 21.51 | 22 | 1.119 | -0.09 | 0.095 | 0.106 |
| | FR1 n48_Ant 11 | 40M | BPSK | 50 | 28 | Front | 0mm | Sample 2 | Soft Holster | DSI0 | 641666 | 3624.99 | 21.51 | 22 | 1.119 | -0.12 | 0.198 | 0.222 |
| | FR1 n48_Ant 11 | 40M | BPSK | 50 | 28 | Front | 0mm | Sample 3 | Soft Holster | DSI0 | 641666 | 3624.99 | 21.51 | 22 | 1.119 | 0.01 | 0.147 | 0.165 |

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Sample | Accessory | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FR1 n66_Ant 2 | 40M | BPSK | 1 | 1 | Front | 15mm | Sample 1 | - | DSI0 | 349000 | 1745 | 24.42 | 25.20 | 1.197 | -0.17 | 0.106 | 0.127 |
| | FR1 n66_Ant 2 | 40M | BPSK | 108 | 54 | Front | 15mm | Sample 1 | - | DSI0 | 349000 | 1745 | 24.11 | 25.20 | 1.285 | -0.15 | 0.102 | 0.131 |
| | FR1 n66_Ant 2 | 40M | BPSK | 1 | 1 | Back | 15mm | Sample 1 | - | DSI0 | 349000 | 1745 | 24.42 | 25.20 | 1.197 | 0.06 | 0.278 | 0.333 |
| | FR1 n66_Ant 2 | 40M | BPSK | 108 | 54 | Back | 15mm | Sample 1 | - | DSI0 | 349000 | 1745 | 24.11 | 25.20 | 1.285 | -0.15 | 0.263 | 0.338 |
| | FR1 n66_Ant 2 | 40M | BPSK | 1 | 1 | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 349000 | 1745 | 24.42 | 25.20 | 1.197 | -0.13 | 0.292 | 0.349 |
| | FR1 n66_Ant 2 | 40M | BPSK | 1 | 1 | Back | 0mm | Sample 2 | Soft Holster | DSI0 | 349000 | 1745 | 24.42 | 25.20 | 1.197 | -0.18 | 0.476 | 0.570 |
| | FR1 n66_Ant 2 | 40M | BPSK | 1 | 1 | Back | 0mm | Sample 3 | Soft Holster | DSI0 | 349000 | 1745 | 24.42 | 25.20 | 1.197 | -0.1 | 0.373 | 0.446 |
| | FR1 n66_Ant 4 | 40M | BPSK | 1 | 1 | Front | 15mm | Sample 1 | - | DSI0 | 349000 | 1745 | 24.50 | 25.20 | 1.175 | -0.11 | 0.070 | 0.082 |
| | FR1 n66_Ant 4 | 40M | BPSK | 108 | 54 | Front | 15mm | Sample 1 | - | DSI0 | 349000 | 1745 | 23.98 | 25.20 | 1.324 | 0.11 | 0.074 | 0.098 |
| | FR1 n66_Ant 4 | 40M | BPSK | 1 | 1 | Back | 15mm | Sample 1 | - | DSI0 | 349000 | 1745 | 24.50 | 25.20 | 1.175 | -0.19 | 0.201 | 0.236 |
| | FR1 n66_Ant 4 | 40M | BPSK | 108 | 54 | Back | 15mm | Sample 1 | - | DSI0 | 349000 | 1745 | 23.98 | 25.20 | 1.324 | -0.03 | 0.225 | 0.298 |
| 86 | FR1 n66_Ant 4 | 40M | BPSK | 108 | 54 | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 349000 | 1745 | 23.98 | 25.20 | 1.324 | -0.1 | 0.690 | 0.914 |
| | FR1 n66_Ant 4 | 40M | BPSK | 108 | 54 | Back | 0mm | Sample 2 | Soft Holster | DSI0 | 349000 | 1745 | 23.98 | 25.20 | 1.324 | -0.04 | 0.266 | 0.352 |
| | FR1 n66_Ant 4 | 40M | BPSK | 108 | 54 | Back | 0mm | Sample 3 | Soft Holster | DSI0 | 349000 | 1745 | 23.98 | 25.20 | 1.324 | 0.06 | 0.303 | 0.401 |
| | FR1 n71_Ant 0 | 20M | BPSK | 1 | 1 | Front | 15mm | Sample 1 | - | DSI0 | 136100 | 680.5 | 24.22 | 24.70 | 1.117 | -0.13 | 0.070 | 0.078 |
| | FR1 n71_Ant 0 | 20M | BPSK | 50 | 28 | Front | 15mm | Sample 1 | - | DSI0 | 136100 | 680.5 | 23.76 | 24.70 | 1.242 | -0.12 | 0.092 | 0.114 |
| | FR1 n71_Ant 0 | 20M | BPSK | 1 | 1 | Back | 15mm | Sample 1 | - | DSI0 | 136100 | 680.5 | 24.22 | 24.70 | 1.117 | 0.09 | 0.089 | 0.099 |
| | FR1 n71_Ant 0 | 20M | BPSK | 50 | 28 | Back | 15mm | Sample 1 | - | DSI0 | 136100 | 680.5 | 23.76 | 24.70 | 1.242 | -0.14 | 0.106 | 0.132 |
| | FR1 n71_Ant 0 | 20M | BPSK | 50 | 28 | Back | 0mm | Sample 1 | Soft Holster | DSI0 | 136100 | 680.5 | 23.76 | 24.70 | 1.242 | 0.08 | 0.116 | 0.144 |
| 87 | FR1 n71_Ant 0 | 20M | BPSK | 50 | 28 | Back | 0mm | Sample 2 | Soft Holster | DSI0 | 136100 | 680.5 | 23.76 | 24.70 | 1.242 | 0.04 | 0.169 | 0.210 |
| | FR1 n71_Ant 0 | 20M | BPSK | 50 | 28 | Back | 0mm | Sample 3 | Soft Holster | DSI0 | 136100 | 680.5 | 23.76 | 24.70 | 1.242 | 0.11 | 0.065 | 0.081 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Front | 15mm | Sample 1 | - | DSI1 | 656000 | 3840 | 21.27 | 22.00 | 1.183 | -0.04 | 0.034 | 0.040 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Front | 15mm | Sample 1 | - | DSI1 | 656000 | 3840 | 21.23 | 22.00 | 1.194 | -0.19 | 0.037 | 0.044 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Back | 15mm | Sample 1 | - | DSI1 | 656000 | 3840 | 21.27 | 22.00 | 1.183 | -0.11 | 0.189 | 0.224 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Back | 15mm | Sample 1 | - | DSI1 | 656000 | 3840 | 21.23 | 22.00 | 1.194 | -0.15 | 0.303 | 0.362 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Back | 0mm | Sample 1 | Soft Holster | DSI1 | 656000 | 3840 | 21.23 | 22.00 | 1.194 | 0.08 | 0.378 | 0.451 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Back | 0mm | Sample 2 | Soft Holster | DSI1 | 656000 | 3840 | 21.23 | 22.00 | 1.194 | -0.14 | 0.419 | 0.500 |
| 88 | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Back | 0mm | Sample 3 | Soft Holster | DSI1 | 656000 | 3840 | 21.23 | 22.00 | 1.194 | -0.01 | 0.502 | 0.599 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Front | 15mm | Sample 1 | - | DSI1 | 633332 | 3499.98 | 21.19 | 22.00 | 1.205 | -0.08 | 0.028 | 0.034 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Front | 15mm | Sample 1 | - | DSI1 | 633332 | 3499.98 | 21.14 | 22.00 | 1.219 | -0.19 | 0.031 | 0.038 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 1 | 1 | Back | 15mm | Sample 1 | - | DSI1 | 633332 | 3499.98 | 21.19 | 22.00 | 1.205 | -0.04 | 0.041 | 0.049 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Back | 15mm | Sample 1 | - | DSI1 | 633332 | 3499.98 | 21.14 | 22.00 | 1.219 | 0.01 | 0.048 | 0.059 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Back | 0mm | Sample 1 | Soft Holster | DSI1 | 633332 | 3499.98 | 21.14 | 22.00 | 1.219 | 0.09 | 0.054 | 0.066 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Back | 0mm | Sample 2 | Soft Holster | DSI1 | 633332 | 3499.98 | 21.14 | 22.00 | 1.219 | -0.1 | 0.043 | 0.052 |
| | FR1 n77_HPUE_Ant 12 | 100M | BPSK | 135 | 69 | Back | 0mm | Sample 3 | Soft Holster | DSI1 | 633332 | 3499.98 | 21.14 | 22.00 | 1.219 | -0.1 | 0.195 | 0.238 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 1 | 1 | Front | 15mm | Sample 1 | - | DSI1 | 656000 | 3840 | 21.69 | 22.50 | 1.205 | -0.06 | 0.279 | 0.336 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Front | 15mm | Sample 1 | - | DSI1 | 656000 | 3840 | 21.82 | 22.50 | 1.169 | -0.09 | 0.302 | 0.353 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 1 | 1 | Back | 15mm | Sample 1 | - | DSI1 | 656000 | 3840 | 21.69 | 22.50 | 1.205 | 0.07 | 0.263 | 0.317 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Back | 15mm | Sample 1 | - | DSI1 | 656000 | 3840 | 21.82 | 22.50 | 1.169 | -0.13 | 0.237 | 0.277 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Front | 0mm | Sample 1 | Soft Holster | DSI1 | 656000 | 3840 | 21.82 | 22.50 | 1.169 | -0.13 | 0.350 | 0.409 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Front | 0mm | Sample 2 | Soft Holster | DSI1 | 656000 | 3840 | 21.82 | 22.50 | 1.169 | -0.1 | 0.380 | 0.444 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Front | 0mm | Sample 3 | Soft Holster | DSI1 | 656000 | 3840 | 21.82 | 22.50 | 1.169 | -0.15 | 0.200 | 0.234 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 1 | 1 | Front | 15mm | Sample 1 | - | DSI1 | 633332 | 3499.98 | 22.35 | 22.50 | 1.035 | 0.04 | 0.345 | 0.357 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Front | 15mm | Sample 1 | - | DSI1 | 633332 | 3499.98 | 22.36 | 22.50 | 1.033 | -0.1 | 0.346 | 0.357 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 1 | 1 | Back | 15mm | Sample 1 | - | DSI1 | 633332 | 3499.98 | 22.35 | 22.50 | 1.035 | -0.04 | 0.322 | 0.333 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Back | 15mm | Sample 1 | - | DSI1 | 633332 | 3499.98 | 22.36 | 22.50 | 1.033 | 0.01 | 0.374 | 0.386 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Back | 0mm | Sample 1 | Soft Holster | DSI1 | 633332 | 3499.98 | 22.36 | 22.50 | 1.033 | -0.06 | 0.484 | 0.500 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Back | 0mm | Sample 2 | Soft Holster | DSI1 | 633332 | 3499.98 | 22.36 | 22.50 | 1.033 | 0.11 | 0.353 | 0.365 |
| | FR1 n77_HPUE_Ant 11 | 100M | BPSK | 135 | 69 | Back | 0mm | Sample 3 | Soft Holster | DSI1 | 633332 | 3499.98 | 22.36 | 22.50 | 1.033 | -0.09 | 0.273 | 0.282 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Front | 15mm | Sample 1 | - | DSI1 | 656000 | 3840 | 16.62 | 16.80 | 1.042 | 0.03 | 0.043 | 0.045 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Back | 15mm | Sample 1 | - | DSI1 | 656000 | 3840 | 16.62 | 16.80 | 1.042 | 0.01 | 0.373 | 0.389 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Back | 0mm | Sample 1 | Soft Holster | DSI1 | 656000 | 3840 | 16.62 | 16.80 | 1.042 | 0.1 | 0.210 | 0.219 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Back | 15mm | Sample 2 | - | DSI1 | 656000 | 3840 | 16.62 | 16.80 | 1.042 | 0.01 | 0.124 | 0.129 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Back | 15mm | Sample 3 | - | DSI1 | 656000 | 3840 | 16.62 | 16.80 | 1.042 | -0.07 | 0.125 | 0.130 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Front | 15mm | Sample 1 | - | DSI1 | 633332 | 3499.98 | 16.36 | 16.80 | 1.107 | -0.01 | 0.079 | 0.087 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Back | 15mm | Sample 1 | - | DSI1 | 633332 | 3499.98 | 16.36 | 16.80 | 1.107 | 0.03 | 0.328 | 0.363 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Back | 0mm | Sample 1 | Soft Holster | DSI1 | 633332 | 3499.98 | 16.36 | 16.80 | 1.107 | -0.12 | 0.173 | 0.191 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Back | 15mm | Sample 2 | - | DSI1 | 633332 | 3499.98 | 16.36 | 16.80 | 1.107 | -0.15 | 0.112 | 0.124 |
| | FR1 n77_Ant 5 | 100M | CW | - | - | Back | 15mm | Sample 3 | - | DSI1 | 633332 | 3499.98 | 16.36 | 16.80 | 1.107 | -0.12 | 0.120 | 0.133 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Front | 15mm | Sample 1 | - | DSI1 | 656000 | 3840 | 22.04 | 22.20 | 1.038 | 0.05 | 0.139 | 0.144 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Back | 15mm | Sample 1 | - | DSI1 | 656000 | 3840 | 22.04 | 22.20 | 1.038 | -0.09 | 0.210 | 0.218 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Back | 0mm | Sample 1 | Soft Holster | DSI1 | 656000 | 3840 | 22.04 | 22.20 | 1.038 | -0.18 | 0.193 | 0.200 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Back | 15mm | Sample 2 | - | DSI1 | 656000 | 3840 | 22.04 | 22.20 | 1.038 | 0.04 | 0.134 | 0.139 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Back | 15mm | Sample 3 | - | DSI1 | 656000 | 3840 | 22.04 | 22.20 | 1.038 | 0.11 | 0.124 | 0.129 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Front | 15mm | Sample 1 | - | DSI1 | 633332 | 3499.98 | 22.00 | 22.20 | 1.047 | -0.12 | 0.201 | 0.210 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Back | 15mm | Sample 1 | - | DSI1 | 633332 | 3499.98 | 22.00 | 22.20 | 1.047 | -0.04 | 0.319 | 0.334 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Back | 0mm | Sample 1 | Soft Holster | DSI1 | 633332 | 3499.98 | 22.00 | 22.20 | 1.047 | 0.15 | 0.375 | 0.393 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Back | 0mm | Sample 2 | Soft Holster | DSI1 | 633332 | 3499.98 | 22.00 | 22.20 | 1.047 | 0.09 | 0.329 | 0.345 |
| | FR1 n77_Ant 3 | 100M | CW | - | - | Back | 0mm | Sample 3 | Soft Holster | DSI1 | 633332 | 3499.98 | 22.00 | 22.20 | 1.047 | -0.15 | 0.266 | 0.279 |

## <2.4GHz, 5GHz WLAN SAR>

| Plot No. | Band | Mode | Test Position | Gap (mm) | Sample | Antenna | Accessory | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | WLAN2.4GHz | 802.11b 1Mbps | Front | 15mm | Sample 1 | Ant 9+8(8) | - | nonDBS | 1 | 2412 | 17.60 | 18.00 | 1.096 | 99.9 | 1.001 | -0.17 | 0.019 | 0.021 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 15mm | Sample 1 | Ant 9+8(8) | - | nonDBS | 1 | 2412 | 17.60 | 18.00 | 1.096 | 99.9 | 1.001 | -0.18 | 0.132 | 0.145 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 15mm | Sample 1 | Ant 9+8(8) | - | nonDBS | 6 | 2437 | 17.50 | 18.00 | 1.122 | 99.9 | 1.001 | -0.13 | 0.144 | 0.162 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 15mm | Sample 1 | Ant 9+8(8) | - | nonDBS | 11 | 2462 | 17.70 | 18.00 | 1.072 | 99.9 | 1.001 | 0.03 | 0.138 | 0.148 |
| 89 | WLAN2.4GHz | 802.11b 1Mbps | Back | 0mm | Sample 1 | Ant 9+8(8) | Soft Holster | nonDBS | 6 | 2437 | 17.50 | 18.00 | 1.122 | 99.9 | 1.001 | 0.03 | 0.149 | 0.167 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 15mm | Sample 2 | Ant 9+8(8) | - | nonDBS | 6 | 2437 | 17.50 | 18.00 | 1.122 | 99.9 | 1.001 | -0.17 | 0.124 | 0.139 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 15mm | Sample 3 | Ant 9+8(8) | - | nonDBS | 6 | 2437 | 17.50 | 18.00 | 1.122 | 99.9 | 1.001 | -0.11 | 0.140 | 0.157 |
| | WLAN2.4GHz | 802.11b 1Mbps | Front | 15mm | Sample 1 | Ant 9+8(9) | - | DBS | 1 | 2412 | 15.10 | 15.50 | 1.096 | 99.9 | 1.001 | -0.01 | 0.018 | 0.020 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 15mm | Sample 1 | Ant 9+8(9) | - | DBS | 1 | 2412 | 15.10 | 15.50 | 1.096 | 99.9 | 1.001 | -0.05 | 0.130 | 0.143 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 15mm | Sample 1 | Ant 9+8(8) | - | DBS | 6 | 2437 | 15.20 | 15.50 | 1.072 | 99.9 | 1.001 | 0.07 | 0.141 | 0.151 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 15mm | Sample 1 | Ant 9+8(8) | - | DBS | 11 | 2462 | 14.70 | 15.50 | 1.202 | 99.9 | 1.001 | 0.03 | 0.139 | 0.167 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 0mm | Sample 1 | Ant 9+8(8) | Soft Holster | DBS | 11 | 2462 | 14.70 | 15.50 | 1.202 | 99.9 | 1.001 | -0.12 | 0.138 | 0.166 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 15mm | Sample 2 | Ant 9+8(8) | - | DBS | 11 | 2462 | 14.70 | 15.50 | 1.202 | 99.9 | 1.001 | 0.03 | 0.122 | 0.147 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 15mm | Sample 3 | Ant 9+8(8) | - | DBS | 11 | 2462 | 14.70 | 15.50 | 1.202 | 99.9 | 1.001 | -0.19 | 0.134 | 0.161 |
| | WLAN2.4GHz | 802.11b 1Mbps | Front | 15mm | Sample 1 | Ant 8 | - | nonDBS / DBS | 1 | 2412 | 17.90 | 18.00 | 1.023 | 99.9 | 1.001 | 0 | 0.008 | 0.008 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 15mm | Sample 1 | Ant 8 | - | nonDBS / DBS | 1 | 2412 | 17.90 | 18.00 | 1.023 | 99.9 | 1.001 | -0.19 | 0.041 | 0.042 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 0mm | Sample 1 | Ant 8 | Soft Holster | nonDBS / DBS | 1 | 2412 | 17.90 | 18.00 | 1.023 | 99.9 | 1.001 | -0.1 | 0.040 | 0.041 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 15mm | Sample 1 | Ant 8 | - | nonDBS / DBS | 6 | 2437 | 17.90 | 18.00 | 1.023 | 99.9 | 1.001 | -0.03 | 0.037 | 0.038 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 15mm | Sample 1 | Ant 8 | - | nonDBS / DBS | 11 | 2462 | 17.80 | 18.00 | 1.047 | 99.9 | 1.001 | 0.12 | 0.038 | 0.040 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 15mm | Sample 2 | Ant 8 | - | nonDBS / DBS | 1 | 2412 | 17.90 | 18.00 | 1.023 | 99.9 | 1.001 | -0.04 | 0.040 | 0.041 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 15mm | Sample 3 | Ant 8 | - | nonDBS / DBS | 1 | 2412 | 17.90 | 18.00 | 1.023 | 99.9 | 1.001 | -0.16 | 0.040 | 0.041 |
| | WLAN5GHz | 802.11a 6Mbps | Front | 15mm | Sample 1 | Ant 9+8(8) | - | nonDBS / DBS | 52 | 5260 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | 0.04 | 0.195 | 0.216 |
| | WLAN5GHz | 802.11a 6Mbps | Back | 15mm | Sample 1 | Ant 9+8(8) | - | nonDBS / DBS | 52 | 5260 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | -0.16 | 0.382 | 0.423 |
| 90 | WLAN5GHz | 802.11a 6Mbps | Back | 15mm | Sample 1 | Ant 9+8(8) | | nonDBS / DBS | 56 | 5280 | 18.00 | 18.50 | 1.122 | 98.99 | 1.010 | -0.14 | 0.391 | 0.443 |
| | WLAN5GHz | 802.11a 6Mbps | Back | 15mm | Sample 1 | Ant 9+8(8) | - | nonDBS / DBS | 60 | 5300 | 16.60 | 17.00 | 1.096 | 98.99 | 1.010 | 0.02 | 0.297 | 0.329 |
| | WLAN5GHz | 802.11a 6Mbps | Back | 15mm | Sample 1 | Ant 9+8(8) | - | nonDBS / DBS | 64 | 5320 | 16.10 | 16.50 | 1.096 | 98.99 | 1.010 | 0.09 | 0.262 | 0.290 |
| | WLAN5GHz | 802.11a 6Mbps | Back | 0mm | Sample 1 | Ant 9+8(8) | Soft Holster | nonDBS / DBS | 56 | 5280 | 18.00 | 18.50 | 1.122 | 98.99 | 1.010 | -0.15 | 0.319 | 0.362 |
| | WLAN5GHz | 802.11a 6Mbps | Back | 15mm | Sample 2 | Ant 9+8(8) | - | nonDBS / DBS | 56 | 5280 | 18.00 | 18.50 | 1.122 | 98.99 | 1.010 | -0.09 | 0.304 | 0.345 |
| | WLAN5GHz | 802.11a 6Mbps | Back | 15mm | Sample 3 | Ant 9+8(8) | - | nonDBS / DBS | 56 | 5280 | 18.00 | 18.50 | 1.122 | 98.99 | 1.010 | -0.11 | 0.351 | 0.398 |
| | WLAN5GHz | 802.11a 6Mbps | Front | 15mm | Sample 1 | Ant 9+8(8) | - | nonDBS / DBS | 116 | 5580 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | -0.05 | 0.114 | 0.126 |
| | WLAN5GHz | 802.11a 6Mbps | Back | 15mm | Sample 1 | Ant 9+8(8) | - | nonDBS / DBS | 116 | 5580 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | -0.16 | 0.232 | 0.257 |
| | WLAN5GHz | 802.11a 6Mbps | Back | 15mm | Sample 1 | Ant 9+8(8) | - | nonDBS / DBS | 100 | 5500 | 16.90 | 17.50 | 1.148 | 98.99 | 1.010 | -0.19 | 0.173 | 0.201 |
| | WLAN5GHz | 802.11a 6Mbps | Back | 15mm | Sample 1 | Ant 9+8(8) | - | nonDBS / DBS | 124 | 5620 | 17.80 | 18.50 | 1.175 | 98.99 | 1.010 | -0.19 | 0.241 | 0.286 |
| | WLAN5GHz | 802.11a 6Mbps | Back | 15mm | Sample 1 | Ant 9+8(8) | - | nonDBS / DBS | 132 | 5660 | 18.00 | 18.50 | 1.122 | 98.99 | 1.010 | 0.09 | 0.258 | 0.292 |
| 91 | WLAN5GHz | 802.11a 6Mbps | Back | 15mm | Sample 1 | Ant 9+8(8) | - | nonDBS / DBS | 144 | 5720 | 17.90 | 18.50 | 1.148 | 98.99 | 1.010 | -0.04 | 0.267 | 0.310 |
| | WLAN5GHz | 802.11a 6Mbps | Back | 0mm | Sample 1 | Ant 9+8(8) | Soft Holster | nonDBS / DBS | 144 | 5720 | 17.90 | 18.50 | 1.148 | 98.99 | 1.010 | -0.07 | 0.175 | 0.203 |
| | WLAN5GHz | 802.11a 6Mbps | Back | 15mm | Sample 2 | Ant 9+8(8) | - | nonDBS / DBS | 144 | 5720 | 17.90 | 18.50 | 1.148 | 98.99 | 1.010 | -0.17 | 0.197 | 0.228 |
| | WLAN5GHz | 802.11a 6Mbps | Back | 15mm | Sample 3 | Ant 9+8(8) | - | nonDBS / DBS | 144 | 5720 | 17.90 | 18.50 | 1.148 | 98.99 | 1.010 | 0.11 | 0.199 | 0.231 |
| | WLAN5GHz | 802.11a 6Mbps | Front | 15mm | Sample 1 | Ant 9+8(8) | - | nonDBS / DBS | 157 | 5785 | 18.20 | 18.50 | 1.072 | 98.99 | 1.010 | -0.19 | 0.156 | 0.169 |
| | WLAN5GHz | 802.11a 6Mbps | Back | 15mm | Sample 1 | Ant 9+8(8) | - | nonDBS / DBS | 157 | 5785 | 18.20 | 18.50 | 1.072 | 98.99 | 1.010 | -0.03 | 0.299 | 0.324 |
| | WLAN5GHz | 802.11a 6Mbps | Back | 15mm | Sample 1 | Ant 9+8(8) | - | nonDBS / DBS | 149 | 5745 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | 0.08 | 0.291 | 0.322 |
| 92 | WLAN5GHz | 802.11a 6Mbps | Back | 15mm | Sample 1 | Ant 9+8(9) | - | nonDBS / DBS | 165 | 5825 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | -0.15 | 0.303 | 0.336 |
| | WLAN5GHz | 802.11a 6Mbps | Back | 0mm | Sample 1 | Ant 9+8(9) | Soft Holster | nonDBS / DBS | 165 | 5825 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | -0.19 | 0.188 | 0.208 |
| | WLAN5GHz | 802.11a 6Mbps | Back | 15mm | Sample 2 | Ant 9+8(9) | - | nonDBS / DBS | 165 | 5825 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | 0.06 | 0.290 | 0.321 |
| | WLAN5GHz | 802.11a 6Mbps | Back | 15mm | Sample 3 | Ant 9+8(9) | - | nonDBS / DBS | 165 | 5825 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | -0.08 | 0.247 | 0.274 |

## <6GHz WLAN SAR>

| Plot No. | Band | Mode | Test Position | Gap (mm) | Sample | Antenna | Accessory | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) | APD (W/m^2) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Front | 15mm | Sample 1 | Ant 9+8(8) | - | nonDBS / DBS | 175 | 6825 | 11.50 | 12.00 | 1.122 | 98.20 | 1.018 | 0.06 | 0.050 | 0.057 | 0.188 |
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Back | 15mm | Sample 1 | Ant 9+8(8) | - | nonDBS / DBS | 175 | 6825 | 11.50 | 12.00 | 1.122 | 98.20 | 1.018 | 0.09 | 0.053 | 0.061 | 0.633 |
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Back | 15mm | Sample 1 | Ant 9+8(8) | - | nonDBS / DBS | 15 | 6025 | 11.90 | 12.50 | 1.148 | 98.20 | 1.018 | 0.01 | 0.041 | 0.048 | 0.354 |
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Back | 15mm | Sample 1 | Ant 9+8(8) | - | nonDBS / DBS | 47 | 6185 | 11.60 | 12.50 | 1.230 | 98.20 | 1.018 | 0.1 | 0.043 | 0.054 | 0.377 |
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Back | 15mm | Sample 1 | Ant 9+8(9) | - | nonDBS / DBS | 111 | 6505 | 9.90 | 11.00 | 1.288 | 98.20 | 1.018 | 0.02 | 0.034 | 0.045 | 0.134 |
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Back | 15mm | Sample 1 | Ant 9+8(8) | - | nonDBS / DBS | 207 | 6985 | 11.90 | 12.00 | 1.023 | 98.20 | 1.018 | 0.09 | 0.059 | 0.061 | 0.468 |
| 93 | WLAN6GHz | 802.11ac-VHT160 MCS0 | Back | 0mm | Sample 1 | Ant 9+8(8) | Soft Holster | nonDBS / DBS | 207 | 6985 | 11.90 | 12.00 | 1.023 | 98.20 | 1.018 | 0.06 | 0.114 | 0.119 | 0.919 |
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Back | 0mm | Sample 2 | Ant 9+8(8) | Soft Holster | nonDBS / DBS | 207 | 6985 | 11.90 | 12.00 | 1.023 | 98.20 | 1.018 | -0.08 | 0.069 | 0.072 | 0.690 |
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Back | 0mm | Sample 3 | Ant 9+8(8) | Soft Holster | nonDBS / DBS | 207 | 6985 | 11.90 | 12.00 | 1.023 | 98.20 | 1.018 | -0.02 | 0.075 | 0.078 | 0.750 |

## <Bluetooth SAR>

| Plot No. | Band | Mode | Test Position | Gap (mm) | Sample | Antenna | Accessory | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Bluetooth | 1Mbps | Front | 15mm | Sample 1 | Ant 9 | - | nonDBS / DBS | 0 | 2402 | 3.94 | 4.00 | 1.014 | 76.83 | 1.302 | 0 | < 0.001 | < 0.001 |
| 94 | Bluetooth | 1Mbps | Back | 15mm | Sample 1 | Ant 9 | - | nonDBS / DBS | 0 | 2402 | 3.94 | 4.00 | 1.014 | 76.83 | 1.302 | 0 | < 0.001 | < 0.001 |
| | Bluetooth | 1Mbps | Back | 15mm | Sample 1 | Ant 9 | - | nonDBS / DBS | 39 | 2441 | 3.91 | 4.00 | 1.021 | 76.83 | 1.302 | 0 | < 0.001 | < 0.001 |
| | Bluetooth | 1Mbps | Back | 15mm | Sample 1 | Ant 9 | - | nonDBS / DBS | 78 | 2480 | 3.72 | 4.00 | 1.067 | 76.83 | 1.302 | 0 | < 0.001 | < 0.001 |
| | Bluetooth | 1Mbps | Back | 0mm | Sample 1 | Ant 9 | Soft Holster | nonDBS / DBS | 0 | 2402 | 3.94 | 4.00 | 1.014 | 76.83 | 1.302 | 0 | < 0.001 | < 0.001 |
| | Bluetooth | 1Mbps | Back | 15mm | Sample 2 | Ant 9 | - | nonDBS / DBS | 0 | 2402 | 3.94 | 4.00 | 1.014 | 76.83 | 1.302 | 0 | < 0.001 | < 0.001 |
| | Bluetooth | 1Mbps | Back | 15mm | Sample 3 | Ant 9 | - | nonDBS / DBS | 0 | 2402 | 3.94 | 4.00 | 1.014 | 76.83 | 1.302 | 0 | < 0.001 | < 0.001 |

## 16.4 Product Specific SAR

### <5G NR SAR>

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Sample | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 10g SAR (W/kg) | Reported 10g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 135 | 69 | Left Side | 0mm | Sample 1 | DSI1 | 518598 | 2592.99 | 26.13 | 26.20 | 1.016 | -0.08 | 1.500 | 1.524 |
| | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 135 | 69 | Left Side | 0mm | Sample 2 | DSI1 | 518598 | 2592.99 | 26.13 | 26.20 | 1.016 | -0.08 | 1.610 | 1.636 |
| 95 | FR1 n41_HPUE_Ant 6 | 100M | BPSK | 135 | 69 | Left Side | 0mm | Sample 3 | DSI1 | 518598 | 2592.99 | 26.13 | 26.20 | 1.016 | -0.11 | 1.630 | 1.656 |
| | FR1 n41_Ant 1 | 100M | CW | - | - | Front | 0mm | Sample 1 | DSI1 | 518598 | 2592.99 | 26.27 | 27.00 | 1.183 | -0.19 | 1.370 | 1.621 |
| | FR1 n41_Ant 1 | 100M | CW | - | - | Front | 0mm | Sample 2 | DSI1 | 518598 | 2592.99 | 26.27 | 27.00 | 1.183 | 0.11 | 1.370 | 1.621 |
| | FR1 n41_Ant 1 | 100M | CW | - | - | Front | 0mm | Sample 3 | DSI1 | 518598 | 2592.99 | 26.27 | 27.00 | 1.183 | 0.18 | 1.390 | 1.644 |
| | FR1 n41_Ant 1 | 100M | CW | - | - | Left Side | 0mm | Sample 1 | DSI1 | 518598 | 2592.99 | 26.27 | 27.00 | 1.183 | 0 | 1.390 | 1.644 |
| | FR1 n41_Ant 1 | 100M | CW | - | - | Left Side | 0mm | Sample 2 | DSI1 | 518598 | 2592.99 | 26.27 | 27.00 | 1.183 | -0.19 | 1.360 | 1.609 |
| | FR1 n41_Ant 1 | 100M | CW | - | - | Left Side | 0mm | Sample 3 | DSI1 | 518598 | 2592.99 | 26.27 | 27.00 | 1.183 | 0.19 | 1.380 | 1.633 |

### <5GHz WLAN SAR>

| Plot No. | Band | Mode | Test Position | Gap (mm) | Sample | Antenna | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 10g SAR (W/kg) | Reported 10g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | WLAN5GHz | 802.11a 6Mbps | Front | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 52 | 5260 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | -0.08 | 0.236 | 0.261 |
| | WLAN5GHz | 802.11a 6Mbps | Back | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 52 | 5260 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | -0.05 | 0.536 | 0.593 |
| | WLAN5GHz | 802.11a 6Mbps | Left Side | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 52 | 5260 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | -0.03 | 1.590 | 1.761 |
| 96 | WLAN5GHz | 802.11a 6Mbps | Left Side | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 56 | 5280 | 18.00 | 18.50 | 1.122 | 98.99 | 1.010 | -0.12 | 2.060 | 2.334 |
| | WLAN5GHz | 802.11a 6Mbps | Left Side | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 60 | 5300 | 16.60 | 17.00 | 1.096 | 98.99 | 1.010 | -0.19 | 1.496 | 1.657 |
| | WLAN5GHz | 802.11a 6Mbps | Left Side | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 64 | 5320 | 16.10 | 16.50 | 1.096 | 98.99 | 1.010 | -0.02 | 0.983 | 1.089 |
| | WLAN5GHz | 802.11a 6Mbps | Right Side | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 52 | 5260 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | 0.02 | 0.918 | 1.017 |
| | WLAN5GHz | 802.11a 6Mbps | Top Side | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 52 | 5260 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | 0.02 | 0.187 | 0.207 |
| | WLAN5GHz | 802.11a 6Mbps | Left Side | 0mm | Sample 2 | Ant 9+8(8) | nonDBS / DBS | 56 | 5280 | 18.00 | 18.50 | 1.122 | 98.99 | 1.010 | -0.05 | 1.330 | 1.507 |
| | WLAN5GHz | 802.11a 6Mbps | Left Side | 0mm | Sample 3 | Ant 9+8(8) | nonDBS / DBS | 56 | 5280 | 18.00 | 18.50 | 1.122 | 98.99 | 1.010 | -0.03 | 1.554 | 1.761 |
| | WLAN5GHz | 802.11a 6Mbps | Front | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 116 | 5580 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | 0.04 | 0.170 | 0.188 |
| | WLAN5GHz | 802.11a 6Mbps | Back | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 116 | 5580 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | 0.05 | 0.297 | 0.329 |
| | WLAN5GHz | 802.11a 6Mbps | Left Side | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 116 | 5580 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | -0.04 | 1.195 | 1.323 |
| | WLAN5GHz | 802.11a 6Mbps | Left Side | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 100 | 5500 | 16.90 | 17.50 | 1.148 | 98.99 | 1.010 | -0.15 | 1.009 | 1.170 |
| 97 | WLAN5GHz | 802.11a 6Mbps | Left Side | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 124 | 5620 | 17.80 | 18.50 | 1.175 | 98.99 | 1.010 | -0.18 | 1.520 | 1.804 |
| | WLAN5GHz | 802.11a 6Mbps | Left Side | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 132 | 5660 | 18.00 | 18.50 | 1.122 | 98.99 | 1.010 | 0.09 | 1.142 | 1.294 |
| | WLAN5GHz | 802.11a 6Mbps | Left Side | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 144 | 5720 | 17.90 | 18.50 | 1.148 | 98.99 | 1.010 | -0.13 | 1.234 | 1.431 |
| | WLAN5GHz | 802.11a 6Mbps | Right Side | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 116 | 5580 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | 0.06 | 0.631 | 0.699 |
| | WLAN5GHz | 802.11a 6Mbps | Top Side | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 116 | 5580 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | -0.02 | 0.202 | 0.224 |
| | WLAN5GHz | 802.11a 6Mbps | Left Side | 0mm | Sample 2 | Ant 9+8(8) | nonDBS / DBS | 124 | 5620 | 17.80 | 18.50 | 1.175 | 98.99 | 1.010 | -0.12 | 0.670 | 0.795 |
| | WLAN5GHz | 802.11a 6Mbps | Left Side | 0mm | Sample 3 | Ant 9+8(8) | nonDBS / DBS | 124 | 5620 | 17.80 | 18.50 | 1.175 | 98.99 | 1.010 | -0.11 | 1.102 | 1.308 |

**<6GHz WLAN SAR>**

| Plot No. | Band | Mode | Test Position | Gap (mm) | Sample | Antenna | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 10g SAR (W/kg) | Reported 10g SAR (W/kg) | APD (W/m^2) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Front | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 175 | 6825 | 11.50 | 12.00 | 1.122 | 98.20 | 1.018 | -0.13 | 0.081 | 0.093 | 1.970 |
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Back | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 175 | 6825 | 11.50 | 12.00 | 1.122 | 98.20 | 1.018 | 0.05 | 0.203 | 0.232 | 4.920 |
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Top Side | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 175 | 6825 | 11.50 | 12.00 | 1.122 | 98.20 | 1.018 | -0.11 | 0.062 | 0.071 | 1.510 |
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Left Side | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 175 | 6825 | 11.50 | 12.00 | 1.122 | 98.20 | 1.018 | 0.08 | 0.309 | 0.353 | 7.490 |
| 98 | WLAN6GHz | 802.11ac-VHT160 MCS0 | Right Side | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 175 | 6825 | 11.50 | 12.00 | 1.122 | 98.20 | 1.018 | 0.11 | 0.417 | 0.476 | 10.100 |
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Right Side | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 15 | 6025 | 11.90 | 12.50 | 1.148 | 98.20 | 1.018 | 0.1 | 0.266 | 0.311 | 6.450 |
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Right Side | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 47 | 6185 | 11.60 | 12.50 | 1.230 | 98.20 | 1.018 | 0.01 | 0.311 | 0.390 | 7.540 |
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Right Side | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 111 | 6505 | 10.00 | 11.00 | 1.259 | 98.20 | 1.018 | -0.13 | 0.189 | 0.242 | 4.620 |
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Right Side | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 207 | 6985 | 11.90 | 12.00 | 1.023 | 98.20 | 1.018 | 0.12 | 0.204 | 0.213 | 4.990 |
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Right Side | 0mm | Sample 2 | Ant 9+8(8) | nonDBS / DBS | 175 | 6825 | 11.50 | 12.00 | 1.122 | 98.20 | 1.018 | 0.04 | 0.280 | 0.320 | 7.000 |
| | WLAN6GHz | 802.11ac-VHT160 MCS0 | Right Side | 0mm | Sample 3 | Ant 9+8(8) | nonDBS / DBS | 175 | 6825 | 11.50 | 12.00 | 1.122 | 98.20 | 1.018 | -0.11 | 0.275 | 0.314 | 6.875 |

## *16.5 6GHz PD Test result*

| Band | Mode | Test Position | Gap (mm) | Antenna | Ch. | Freq. (MHz) | Average Power (dBm) | Grid Step (λ) | iPDn | iPD ratio (≥ -1) | Normal psPD (W/m^2) | Total psPD (W/m^2) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WLAN6GHz | 802.11ac160 MCS0 | Right Side | 2mm | Ant 9+8(8) | 15 | 6025 | 11.90 | 0.0625 | 1.1 | -0.79181246 | 2.26 | 2.95 |
| WLAN6GHz | 802.11ac160 MCS0 | Right Side | 10mm | Ant 9+8(8) | 15 | 6025 | 11.90 | 0.25 | 1.32 | | 1.04 | 1.16 |
| WLAN6GHz | 802.11ac160 MCS0 | Right Side | 2mm | Ant 9+8(8) | 207 | 6985 | 9.90 | 0.0625 | 1.73 | -0.903335 | 2.03 | 2.52 |
| WLAN6GHz | 802.11ac160 MCS0 | Right Side | 8.59mm | Ant 9+8(8) | 207 | 6985 | 9.90 | 0.25 | 2.13 | | 0.985 | 1.03 |

| Plot No. | Band | Mode | Test Position | Gap (mm) | Antenna | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Grid Step (λ) | Scaling Factor for Measurement Uncertainty | Power Drift (dB) | Normal psPD (W/m^2) | Scaled Normal psPD (W/m^2) | Total psPD (W/m^2) | Scaled Total psPD (W/m^2) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | WLAN6GHz | 802.11ac160 MCS0 | Right Side | 2mm | Ant 9+8(8) | 15 | 6025 | 11.90 | 12.50 | 1.148 | 86.18 | 1.160 | 0.0625 | 1.5535 | -0.15 | 2.26 | 4.68 | 2.95 | 6.10 |
| 01 | WLAN6GHz | 802.11ac160 MCS0 | Right Side | 2mm | Ant 9+8(8) | 47 | 6185 | 11.60 | 12.50 | 1.230 | 86.18 | 1.160 | 0.0625 | 1.5535 | 0.02 | 3.11 | 6.89 | 3.58 | 7.94 |
| | WLAN6GHz | 802.11ac160 MCS0 | Right Side | 2mm | Ant 9+8(8) | 111 | 6505 | 9.90 | 11.00 | 1.288 | 86.18 | 1.160 | 0.0625 | 1.5535 | 0.14 | 2.84 | 6.59 | 3.15 | 7.31 |
| | WLAN6GHz | 802.11ac160 MCS0 | Right Side | 2mm | Ant 9+8(8) | 175 | 6825 | 12.00 | 12.00 | 1.000 | 86.18 | 1.160 | 0.0625 | 1.5535 | -0.12 | 2.63 | 4.74 | 3.83 | 6.90 |
| | WLAN6GHz | 802.11ac160 MCS0 | Right Side | 2mm | Ant 9+8(8) | 207 | 6985 | 9.90 | 12.00 | 1.622 | 86.18 | 1.160 | 0.0625 | 1.5535 | -0.05 | 2.03 | 5.93 | 2.52 | 7.36 |

## 16.6 Repeated SAR Measurement

| No. | Band | Mode | Test Position | Gap (mm) | Sample | Antenna | Accessory | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Ratio | Reported 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1st | FR1 n41_HPUE_Ant 1 | 100M_CW | Right Cheek | 0mm | Sample 1 | - | - | DSI2 | 518598 | 2592.99 | 20.98 | 21.40 | 1.102 | - | - | -0.02 | 0.832 | - | 0.916 |
| 2nd | FR1 n41_HPUE_Ant 1 | 100M_CW | Right Cheek | 0mm | Sample 1 | - | - | DSI2 | 518598 | 2592.99 | 20.98 | 21.40 | 1.102 | - | -- | -0.04 | 0.813 | 1.02 | 0.896 |
| 1st | FR1 n48_Ant 12 | 20M_BPSK_25_13 | Right Cheek | 0mm | Sample 2 | - | - | DSI2 | 641666 | 3624.99 | 21.29 | 21.60 | 1.074 | - | - | -0.08 | 0.858 | | 0.921 |
| 2nd | FR1 n48_Ant 12 | 20M_BPSK_25_13 | Right Cheek | 0mm | Sample 2 | - | - | DSI2 | 641666 | 3624.99 | 21.29 | 21.60 | 1.074 | - | - | 0.02 | 0.831 | 1.03 | 0.892 |
| 1st | FR1 n77_Ant 5 | 100M_CW | Back | 10mm | Sample 1 | - | - | DSI3 | 656000 | 3840 | 16.33 | 16.80 | 1.114 | - | - | -0.01 | 0.945 | | 1.053 |
| 2nd | FR1 n77_Ant 5 | 100M_CW | Back | 10mm | Sample 1 | - | - | DSI3 | 656000 | 3840 | 16.33 | 16.80 | 1.114 | - | - | -0.03 | 0.933 | 1.01 | 1.040 |
| 1st | FR1 n25_Ant 4 | 20M_BPSK_50_28 | Back | 0mm | Sample 1 | - | Soft Holster | DSI1 | 376500 | 1882.5 | 23.41 | 23.60 | 1.045 | - | - | -0.11 | 1.010 | | 1.055 |
| 2nd | FR1 n25_Ant 4 | 20M_BPSK_50_28 | Back | 0mm | Sample 1 | - | Soft Holster | DSI1 | 376500 | 1882.5 | 23.41 | 23.60 | 1.045 | - | - | -0.09 | 0.996 | 1.01 | 1.041 |
| 1st | WLAN5GHz | 802.11a 6Mbps | Left Tilted | 0mm | Sample 1 | Ant 9+8(9) | - | nonDBS / DBS | 165 | 5825 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | -0.04 | 0.806 | | 0.893 |
| 2nd | WLAN5GHz | 802.11a 6Mbps | Left Tilted | 0mm | Sample 1 | Ant 9+8(9) | - | nonDBS / DBS | 165 | 5825 | 18.10 | 18.50 | 1.096 | 98.99 | 1.010 | 0.02 | 0.785 | 1.03 | 0.869 |

| No. | Band | Mode | Test Position | Gap (mm) | Sample | Antenna | Output Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) | Measured 10g SAR (W/kg) | Ratio | Reported 10g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1st | WLAN5GHz | 802.11a 6Mbps | Left Side | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 56 | 5280 | 18.00 | 18.50 | 1.122 | 98.99 | 1.010 | -0.12 | - | - | 2.060 | - | 2.334 |
| 2nd | WLAN5GHz | 802.11a 6Mbps | Left Side | 0mm | Sample 1 | Ant 9+8(8) | nonDBS / DBS | 56 | 5280 | 18.00 | 18.50 | 1.122 | 98.99 | 1.010 | 0.04 | 9.580 | 10.856 | 2.020 | 1.02 | 2.289 |

**General Note:**

1. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥0.8W/kg.
2. Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is ≤ 1.2 and the measured SAR <1.45W/kg, only one repeated measurement is required.
3. Per KDB 865664 D01v01r04, if the extremity repeated SAR is necessary, the same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.
4. The ratio is the difference in percentage between original and repeated *measured SAR*.
5. All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.

## 16.7 LTE Band 41 Power Class 2 and Power Class 3 Linearity

This device support Power Class 2 and Power Class 3 operations for LTE Band 41. The highest available duty cycle for Power Class 2 operation is 43.3% using UL-DL configuration 1. Per FCC Guidance based on the device behavior, all SAR tests were performed using Power Class 3. Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each LTE configuration and exposure condition combination, according to the highest time averaged power for all applicable uplink-downlink configurations in Power Class 2. When the reported SAR vs. output power is linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg, Separate SAR testing for Power Class 2 is not required
Use PC3 power level and SAR to estimated PC2 SAR linearly, and check if the deviation from the measured PC2 SAR is <10%

| Head_Ant 6 | LTE Band 41 | LTE Band 41 |
|---|---|---|
| | (Power Class 3) | (Power Class 2) |
| Maximum Tune up Power (dBm) | 25 | 27 |
| Reported 1g SAR (W/kg) | 0.131 | 0.129 |
| Duty Cycle | 63.30% | 43.30% |
| Frame Averaged (mW) | 200.17 | 217.01 |
| Linearity SAR(W/kg) | 0.14 | |
| % deviation from expected linearity | | -9.17% |

| Hotspot_Ant 6 | LTE Band 41 | LTE Band 41 |
|---|---|---|
| | (Power Class 3) | (Power Class 2) |
| Maximum Tune up Power (dBm) | 25 | 27 |
| Reported 1g SAR (W/kg) | 0.574 | 0.565 |
| Duty Cycle | 63.30% | 43.30% |
| Frame Averaged (mW) | 200.17 | 217.01 |
| Linearity SAR(W/kg) | 0.62 | |
| % deviation from expected linearity | | -9.21% |

| Bodyworn_Ant 6 | LTE Band 41 | LTE Band 41 |
|---|---|---|
| | (Power Class 3) | (Power Class 2) |
| Maximum Tune up Power (dBm) | 25 | 27 |
| Reported 1g SAR (W/kg) | 0.367 | 0.36 |
| Duty Cycle | 63.30% | 43.30% |
| Frame Averaged (mW) | 200.17 | 217.01 |
| Linearity SAR(W/kg) | 0.40 | |
| % deviation from expected linearity | | -9.52% |

# 17. Simultaneous Transmission Analysis

| Non-DBS | | | | | |
|---|---|---|---|---|---|
| NO. | Simultaneous Transmission Configurations | Portable Handset | | | |
| | | Head | Body-worn | Hotspot | Product Specific |
| 1. | WWAN + WLAN2.4GHz Ant 8 + Bluetooth Ant 9 | Yes | Yes | Yes | |
| 2. | WWAN + WLAN2.4GHz Ant 9+8 | Yes | Yes | Yes | |
| 3. | WWAN + WLAN6GHz Ant 9+8 + Bluetooth Ant 9 | Yes | Yes | Yes | |
| 4. | WWAN + WLAN5GHz Ant 9+8 + Bluetooth Ant 9 | Yes | Yes | Yes | |
| 5. | WWAN + WLAN6GHz Ant 9+8 | | | | Yes |
| 6. | WWAN + WLAN5GHz Ant 9+8 | | | | Yes |
| 7. | FR1 + WLAN2.4GHz Ant 8 + Bluetooth Ant 9 | Yes | Yes | Yes | |
| 8. | FR1 + WLAN2.4GHz Ant 9+8 | Yes | Yes | Yes | |
| 9. | FR1 + WLAN6GHz Ant 9+8 + Bluetooth Ant 9 | Yes | Yes | Yes | |
| 10. | FR1 + WLAN5GHz Ant 9+8 + Bluetooth Ant 9 | Yes | Yes | Yes | |

| DBS | | | | | |
|---|---|---|---|---|---|
| NO. | Simultaneous Transmission Configurations | Portable Handset | | | |
| | | Head | Body-worn | Hotspot | Product Specific |
| 11. | WWAN + WLAN2.4GHz Ant 9+8+ WLAN5GHz Ant 9+8 | Yes | Yes | Yes | |
| 12. | WWAN + WLAN2.4GHz Ant 9+8+ WLAN6GHz Ant 9+8 | Yes | Yes | Yes | |
| 13. | WWAN + WLAN2.4GHz Ant 8 + WLAN5GHz Ant 9+8 + Bluetooth Ant 9 | Yes | Yes | Yes | |
| 14. | WWAN + WLAN2.4GHz Ant 8 + WLAN6GHz Ant 9+8 + Bluetooth Ant 9 | Yes | Yes | Yes | |
| 15. | WWAN + WLAN6GHz Ant 9+8 | | | | Yes |
| 16. | WWAN + WLAN5GHz Ant 9+8 | | | | Yes |
| 17. | FR1 + WLAN2.4GHz Ant 9+8+ WLAN5GHz Ant 9+8 | Yes | Yes | Yes | |
| 18. | FR1 + WLAN2.4GHz Ant 9+8+ WLAN6GHz Ant 9+8 | Yes | Yes | Yes | |
| 19. | FR1 + WLAN2.4GHz Ant 8 + WLAN5GHz Ant 9+8 + Bluetooth Ant 9 | Yes | Yes | Yes | |
| 20. | FR1 + WLAN2.4GHz Ant 8 + WLAN6GHz Ant 9+8 + Bluetooth Ant 9 | Yes | Yes | Yes | |

**General Note:**

1. This device WLAN 2.4GHz / 5.2GHz / 5.8GHz supports Hotspot operation and Bluetooth support tethering applications.
2. The worst case WLAN reported SAR for each configuration was used for SAR summation. Therefore, the following summations represent the absolute worst cases for simultaneous transmission with WLAN.
3. WLAN RF exposure assessment of MIMO mode simultaneous transmission exclusion analysis was performed with SAR test results of each antenna in SISO mode. Therefore SPLSR calculation was choose worst case with SAR test results of each antenna in SISO mode perform evaluation.
4. The Scaled SAR summation is calculated based on the same configuration and test position.
5. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
   i) Scalar SAR summation < 1.6W/kg.
   ii) SPLSR = (SAR1 + SAR2)^1.5 / (min. separation distance, mm), and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
   iii) If SPLSR ≤ 0.04, simultaneously transmission SAR measurement is not necessary.
   iv) Simultaneously transmission SAR measurement, and the reported multi-band SAR < 1.6W/kg.

## 17.1 Head Exposure Conditions

**<Non-DBS>**

| WWAN Band | FR1 Band | Exposure Position | 1 WWAN 1g SAR (W/kg) | 2 FR1 1g SAR (W/kg) | 3 WLAN2.4GHz Ant 8 1g SAR (W/kg) | 4 WLAN2.4GHz Ant 9+8 1g SAR (W/kg) | 5 WLAN5GHz Ant 9+8 1g SAR (W/kg) | 6 WLAN6GHz Ant 9+8 1g SAR (W/kg) | 7 Bluetooth Ant 9 1g SAR (W/kg) | 1+3+7 Summed 1g SAR (W/kg) | 1+4 Summed 1g SAR (W/kg) | 1+5+7 Summed 1g SAR (W/kg) | 1+6+7 Summed 1g SAR (W/kg) | 2+3+7 Summed 1g SAR (W/kg) | 2+4 Summed 1g SAR (W/kg) | 2+5+7 Summed 1g SAR (W/kg) | 2+6+7 Summed 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSM850_Ant 4 | | Right Cheek | 0.226 | | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.237** | **0.383** | **0.827** | **0.494** | **0.011** | **0.157** | **0.601** | **0.268** |
| | | Right Tilted | 0.133 | | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.157** | **0.181** | **0.662** | **0.377** | **0.024** | **0.048** | **0.529** | **0.244** |
| | | Left Cheek | 0.344 | | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.409** | **0.609** | **0.990** | **0.593** | **0.065** | **0.265** | **0.646** | **0.249** |
| | | Left Tilted | 0.164 | | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.183** | **0.263** | **1.058** | **0.398** | **0.019** | **0.099** | **0.894** | **0.234** |
| GSM1900_Ant 4 | | Right Cheek | 0.077 | | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.088** | **0.234** | **0.678** | **0.345** | **0.011** | **0.157** | **0.601** | **0.268** |
| | | Right Tilted | 0.043 | | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.067** | **0.091** | **0.572** | **0.287** | **0.024** | **0.048** | **0.529** | **0.244** |
| | | Left Cheek | 0.166 | | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.231** | **0.431** | **0.812** | **0.415** | **0.065** | **0.265** | **0.646** | **0.249** |
| | | Left Tilted | 0.059 | | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.078** | **0.158** | **0.953** | **0.293** | **0.019** | **0.099** | **0.894** | **0.234** |
| WCDMA II_Ant 2 | | Right Cheek | 0.248 | | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.259** | **0.405** | **0.849** | **0.516** | **0.011** | **0.157** | **0.601** | **0.268** |
| | | Right Tilted | 0.070 | | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.094** | **0.118** | **0.599** | **0.314** | **0.024** | **0.048** | **0.529** | **0.244** |
| | | Left Cheek | 0.123 | | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.188** | **0.388** | **0.769** | **0.372** | **0.065** | **0.265** | **0.646** | **0.249** |
| | | Left Tilted | 0.105 | | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.124** | **0.204** | **0.999** | **0.339** | **0.019** | **0.099** | **0.894** | **0.234** |
| WCDMA IV_Ant 2 | | Right Cheek | 0.075 | | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.086** | **0.232** | **0.676** | **0.343** | **0.011** | **0.157** | **0.601** | **0.268** |
| | | Right Tilted | 0.001 | | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.025** | **0.049** | **0.530** | **0.245** | **0.024** | **0.048** | **0.529** | **0.244** |
| | | Left Cheek | 0.024 | | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.089** | **0.289** | **0.670** | **0.273** | **0.065** | **0.265** | **0.646** | **0.249** |
| | | Left Tilted | 0.001 | | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.020** | **0.100** | **0.895** | **0.235** | **0.019** | **0.099** | **0.894** | **0.234** |
| WCDMA V_Ant 4 | | Right Cheek | 0.212 | | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.223** | **0.369** | **0.813** | **0.480** | **0.011** | **0.157** | **0.601** | **0.268** |
| | | Right Tilted | 0.136 | | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.160** | **0.184** | **0.665** | **0.380** | **0.024** | **0.048** | **0.529** | **0.244** |
| | | Left Cheek | 0.350 | | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.415** | **0.615** | **0.996** | **0.599** | **0.065** | **0.265** | **0.646** | **0.249** |
| | | Left Tilted | 0.148 | | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.167** | **0.247** | **1.042** | **0.382** | **0.019** | **0.099** | **0.894** | **0.234** |
| LTE Band 7_Ant 6 | | Right Cheek | 0.027 | | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.038** | **0.184** | **0.628** | **0.295** | **0.011** | **0.157** | **0.601** | **0.268** |
| | | Right Tilted | 0.001 | | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.025** | **0.049** | **0.530** | **0.245** | **0.024** | **0.048** | **0.529** | **0.244** |
| | | Left Cheek | 0.101 | | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.166** | **0.366** | **0.747** | **0.350** | **0.065** | **0.265** | **0.646** | **0.249** |
| | | Left Tilted | 0.001 | | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.020** | **0.100** | **0.895** | **0.235** | **0.019** | **0.099** | **0.894** | **0.234** |
| LTE Band 12_Ant 0 | | Right Cheek | 0.260 | | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.271** | **0.417** | **0.861** | **0.528** | **0.011** | **0.157** | **0.601** | **0.268** |
| | | Right Tilted | 0.131 | | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.155** | **0.179** | **0.660** | **0.375** | **0.024** | **0.048** | **0.529** | **0.244** |
| | | Left Cheek | 0.172 | | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.237** | **0.437** | **0.818** | **0.421** | **0.065** | **0.265** | **0.646** | **0.249** |
| | | Left Tilted | 0.116 | | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.135** | **0.215** | **1.010** | **0.350** | **0.019** | **0.099** | **0.894** | **0.234** |
| LTE Band 13_Ant 0 | | Right Cheek | 0.322 | | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.333** | **0.479** | **0.923** | **0.590** | **0.011** | **0.157** | **0.601** | **0.268** |
| | | Right Tilted | 0.155 | | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.179** | **0.203** | **0.684** | **0.399** | **0.024** | **0.048** | **0.529** | **0.244** |
| | | Left Cheek | 0.159 | | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.224** | **0.424** | **0.805** | **0.408** | **0.065** | **0.265** | **0.646** | **0.249** |
| | | Left Tilted | 0.112 | | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.131** | **0.211** | **1.006** | **0.346** | **0.019** | **0.099** | **0.894** | **0.234** |
| LTE Band 14_Ant 0 | | Right Cheek | 0.210 | | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.221** | **0.367** | **0.811** | **0.478** | **0.011** | **0.157** | **0.601** | **0.268** |
| | | Right Tilted | 0.092 | | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.116** | **0.140** | **0.621** | **0.336** | **0.024** | **0.048** | **0.529** | **0.244** |
| | | Left Cheek | 0.094 | | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.159** | **0.359** | **0.740** | **0.343** | **0.065** | **0.265** | **0.646** | **0.249** |
| | | Left Tilted | 0.068 | | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.087** | **0.167** | **0.962** | **0.302** | **0.019** | **0.099** | **0.894** | **0.234** |
| LTE Band 25_Ant 2 | | Right Cheek | 0.122 | | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.133** | **0.279** | **0.723** | **0.390** | **0.011** | **0.157** | **0.601** | **0.268** |
| | | Right Tilted | 0.043 | | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.067** | **0.091** | **0.572** | **0.287** | **0.024** | **0.048** | **0.529** | **0.244** |
| | | Left Cheek | 0.189 | | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.254** | **0.454** | **0.835** | **0.438** | **0.065** | **0.265** | **0.646** | **0.249** |
| | | Left Tilted | 0.083 | | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.102** | **0.182** | **0.977** | **0.317** | **0.019** | **0.099** | **0.894** | **0.234** |
| LTE Band 25_Ant 4 | | Right Cheek | 0.133 | | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.144** | **0.290** | **0.734** | **0.401** | **0.011** | **0.157** | **0.601** | **0.268** |
| | | Right Tilted | 0.081 | | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.105** | **0.129** | **0.610** | **0.325** | **0.024** | **0.048** | **0.529** | **0.244** |
| | | Left Cheek | 0.287 | | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.352** | **0.552** | **0.933** | **0.536** | **0.065** | **0.265** | **0.646** | **0.249** |
| | | Left Tilted | 0.101 | | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.120** | **0.200** | **0.995** | **0.335** | **0.019** | **0.099** | **0.894** | **0.234** |
| LTE Band 26_Ant 4 | | Right Cheek | 0.110 | | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.121** | **0.267** | **0.711** | **0.378** | **0.011** | **0.157** | **0.601** | **0.268** |
| | | Right Tilted | 0.091 | | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.115** | **0.139** | **0.620** | **0.335** | **0.024** | **0.048** | **0.529** | **0.244** |
| | | Left Cheek | 0.234 | | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.299** | **0.499** | **0.880** | **0.483** | **0.065** | **0.265** | **0.646** | **0.249** |
| | | Left Tilted | 0.097 | | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.116** | **0.196** | **0.991** | **0.331** | **0.019** | **0.099** | **0.894** | **0.234** |
| LTE Band 41_Ant 6 | | Right Cheek | 0.050 | | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.061** | **0.207** | **0.651** | **0.318** | **0.011** | **0.157** | **0.601** | **0.268** |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Right Tilted | 0.001 | | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.025** | **0.049** | **0.530** | **0.245** | **0.024** | **0.048** | **0.529** | **0.244** |
| | | Left Cheek | 0.131 | | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.196** | **0.396** | **0.777** | **0.380** | **0.065** | **0.265** | **0.646** | **0.249** |
| | | Left Tilted | 0.001 | | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.020** | **0.100** | **0.895** | **0.235** | **0.019** | **0.099** | **0.894** | **0.234** |
| LTE Band 48_Ant 12 | FR1 n25_Ant 2 | Right Cheek | 0.843 | 0.111 | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.854** | **1.000** | **1.444** | **1.111** | **0.122** | **0.268** | **0.712** | **0.379** |
| | | Right Tilted | 0.171 | 0.051 | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.195** | **0.219** | **0.700** | **0.415** | **0.075** | **0.099** | **0.580** | **0.295** |
| | | Left Cheek | 0.309 | 0.098 | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.374** | **0.574** | **0.955** | **0.558** | **0.163** | **0.363** | **0.744** | **0.347** |
| | | Left Tilted | 0.148 | 0.074 | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.167** | **0.247** | **1.042** | **0.382** | **0.093** | **0.173** | **0.968** | **0.308** |
| LTE Band 48_Ant 11 | FR1 n25_Ant 4 | Right Cheek | 0.037 | 0.202 | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.048** | **0.194** | **0.638** | **0.305** | **0.213** | **0.359** | **0.803** | **0.470** |
| | | Right Tilted | 0.010 | 0.071 | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.034** | **0.058** | **0.539** | **0.254** | **0.095** | **0.119** | **0.600** | **0.315** |
| | | Left Cheek | 0.276 | 0.121 | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.341** | **0.541** | **0.922** | **0.525** | **0.186** | **0.386** | **0.767** | **0.370** |
| | | Left Tilted | 0.132 | 0.087 | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.151** | **0.231** | **1.026** | **0.366** | **0.106** | **0.186** | **0.981** | **0.321** |
| LTE Band 66_Ant 2 | FR1 n26_Ant 4 | Right Cheek | 0.027 | 0.253 | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.038** | **0.184** | **0.628** | **0.295** | **0.264** | **0.410** | **0.854** | **0.521** |
| | | Right Tilted | 0.001 | 0.160 | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.025** | **0.049** | **0.530** | **0.245** | **0.184** | **0.208** | **0.689** | **0.404** |
| | | Left Cheek | 0.030 | 0.332 | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.095** | **0.295** | **0.676** | **0.279** | **0.397** | **0.597** | **0.978** | **0.581** |
| | | Left Tilted | 0.001 | 0.222 | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.020** | **0.100** | **0.895** | **0.235** | **0.241** | **0.321** | **1.116** | **0.456** |
| LTE Band 66_Ant 4 | FR1 n41_Ant 6 | Right Cheek | 0.086 | 0.092 | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.097** | **0.243** | **0.687** | **0.354** | **0.103** | **0.249** | **0.693** | **0.360** |
| | | Right Tilted | 0.064 | 0.042 | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.088** | **0.112** | **0.593** | **0.308** | **0.066** | **0.090** | **0.571** | **0.286** |
| | | Left Cheek | 0.188 | 0.257 | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.253** | **0.453** | **0.834** | **0.437** | **0.322** | **0.522** | **0.903** | **0.506** |
| | | Left Tilted | 0.089 | 0.038 | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.108** | **0.188** | **0.983** | **0.323** | **0.057** | **0.137** | **0.932** | **0.272** |
| LTE Band 71_Ant 0 | FR1 n41_Ant 12 | Right Cheek | 0.108 | 0.838 | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.119** | **0.265** | **0.709** | **0.376** | **0.849** | **0.995** | **1.439** | **1.106** |
| | | Right Tilted | 0.069 | 0.187 | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.093** | **0.117** | **0.598** | **0.313** | **0.211** | **0.235** | **0.716** | **0.431** |
| | | Left Cheek | 0.215 | 0.339 | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.280** | **0.480** | **0.861** | **0.464** | **0.404** | **0.604** | **0.985** | **0.588** |
| | | Left Tilted | 0.092 | 0.221 | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.111** | **0.191** | **0.986** | **0.326** | **0.240** | **0.320** | **1.115** | **0.455** |
| FR1 n7_Ant 6 | FR1 n41_Ant 1 | Right Cheek | 0.080 | 0.916 | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.091** | **0.237** | **0.681** | **0.348** | **0.927** | **1.073** | **1.517** | **1.184** |
| | | Right Tilted | 0.001 | 0.722 | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.025** | **0.049** | **0.530** | **0.245** | **0.746** | **0.770** | **1.251** | **0.966** |
| | | Left Cheek | 0.252 | 0.592 | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.317** | **0.517** | **0.898** | **0.501** | **0.657** | **0.857** | **1.238** | **0.841** |
| | | Left Tilted | 0.001 | 0.490 | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.020** | **0.100** | **0.895** | **0.235** | **0.509** | **0.589** | **1.384** | **0.724** |
| FR1 n12_Ant 0 | FR1 n41_Ant 7 | Right Cheek | 0.183 | 0.107 | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.194** | **0.340** | **0.784** | **0.451** | **0.118** | **0.264** | **0.708** | **0.375** |
| | | Right Tilted | 0.060 | 0.021 | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.084** | **0.108** | **0.589** | **0.304** | **0.045** | **0.069** | **0.550** | **0.265** |
| | | Left Cheek | 0.094 | 0.218 | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.159** | **0.359** | **0.740** | **0.343** | **0.283** | **0.483** | **0.864** | **0.467** |
| | | Left Tilted | 0.060 | 0.022 | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.079** | **0.159** | **0.954** | **0.294** | **0.041** | **0.121** | **0.916** | **0.256** |
| FR1 n13_Ant 0 | FR1 n48_Ant 12 | Right Cheek | 0.284 | 0.921 | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.295** | **0.441** | **0.885** | **0.552** | **0.932** | **1.078** | **1.522** | **1.189** |
| | | Right Tilted | 0.160 | 0.193 | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.184** | **0.208** | **0.689** | **0.404** | **0.217** | **0.241** | **0.722** | **0.437** |
| | | Left Cheek | 0.243 | 0.311 | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.308** | **0.508** | **0.889** | **0.492** | **0.376** | **0.576** | **0.957** | **0.560** |
| | | Left Tilted | 0.150 | 0.141 | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.169** | **0.249** | **1.044** | **0.384** | **0.160** | **0.240** | **1.035** | **0.375** |
| FR1 n14_Ant 0 | FR1 n48_Ant 11 | Right Cheek | 0.546 | 0.088 | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.557** | **0.703** | **1.147** | **0.814** | **0.099** | **0.245** | **0.689** | **0.356** |
| | | Right Tilted | 0.314 | 0.021 | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.338** | **0.362** | **0.843** | **0.558** | **0.045** | **0.069** | **0.550** | **0.265** |
| | | Left Cheek | 0.529 | 0.717 | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.594** | **0.794** | **1.175** | **0.778** | **0.782** | **0.982** | **1.363** | **0.966** |
| | | Left Tilted | 0.308 | 0.037 | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.327** | **0.407** | **1.202** | **0.542** | **0.056** | **0.136** | **0.931** | **0.271** |
| | FR1 n66_Ant 2 | Right Cheek | | 0.025 | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.011** | **0.157** | **0.601** | **0.268** | **0.036** | **0.182** | **0.626** | **0.293** |
| | | Right Tilted | | 0.001 | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.024** | **0.048** | **0.529** | **0.244** | **0.025** | **0.049** | **0.530** | **0.245** |
| | | Left Cheek | | 0.033 | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.065** | **0.265** | **0.646** | **0.249** | **0.098** | **0.298** | **0.679** | **0.282** |
| | | Left Tilted | | 0.001 | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.019** | **0.099** | **0.894** | **0.234** | **0.020** | **0.100** | **0.895** | **0.235** |
| | FR1 n66_Ant 4 | Right Cheek | | 0.212 | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.011** | **0.157** | **0.601** | **0.268** | **0.223** | **0.369** | **0.813** | **0.480** |
| | | Right Tilted | | 0.121 | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.024** | **0.048** | **0.529** | **0.244** | **0.145** | **0.169** | **0.650** | **0.365** |
| | | Left Cheek | | 0.340 | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.065** | **0.265** | **0.646** | **0.249** | **0.405** | **0.605** | **0.986** | **0.589** |
| | | Left Tilted | | 0.167 | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.019** | **0.099** | **0.894** | **0.234** | **0.186** | **0.266** | **1.061** | **0.401** |
| | FR1 n71_Ant 0 | Right Cheek | | 0.144 | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.011** | **0.157** | **0.601** | **0.268** | **0.155** | **0.301** | **0.745** | **0.412** |
| | | Right Tilted | | 0.068 | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.024** | **0.048** | **0.529** | **0.244** | **0.092** | **0.116** | **0.597** | **0.312** |
| | | Left Cheek | | 0.113 | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.065** | **0.265** | **0.646** | **0.249** | **0.178** | **0.378** | **0.759** | **0.362** |
| | | Left Tilted | | 0.071 | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.019** | **0.099** | **0.894** | **0.234** | **0.090** | **0.170** | **0.965** | **0.305** |
| | FR1 n77_Ant 12 | Right Cheek | | 0.027 | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.011** | **0.157** | **0.601** | **0.268** | **0.038** | **0.184** | **0.628** | **0.295** |
| | | Right Tilted | | 0.022 | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.024** | **0.048** | **0.529** | **0.244** | **0.046** | **0.070** | **0.551** | **0.266** |
| | | Left Cheek | | 0.059 | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.065** | **0.265** | **0.646** | **0.249** | **0.124** | **0.324** | **0.705** | **0.308** |
| | | Left Tilted | | 0.015 | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.019** | **0.099** | **0.894** | **0.234** | **0.034** | **0.114** | **0.909** | **0.249** |
| | | Right Cheek | | 0.164 | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.011** | **0.157** | **0.601** | **0.268** | **0.175** | **0.321** | **0.765** | **0.432** |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FR1 n77_Ant 11 | Right Tilted | | 0.047 | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.024** | **0.048** | **0.529** | **0.244** | **0.071** | **0.095** | **0.576** | **0.291** |
| | | Left Cheek | | 0.521 | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.065** | **0.265** | **0.646** | **0.249** | **0.586** | **0.786** | **1.167** | **0.770** |
| | | Left Tilted | | 0.058 | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.019** | **0.099** | **0.894** | **0.234** | **0.077** | **0.157** | **0.952** | **0.292** |
| | FR1 n77_Ant 5 | Right Cheek | | 0.280 | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.011** | **0.157** | **0.601** | **0.268** | **0.291** | **0.437** | **0.881** | **0.548** |
| | | Right Tilted | | 0.339 | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.024** | **0.048** | **0.529** | **0.244** | **0.363** | **0.387** | **0.868** | **0.583** |
| | | Left Cheek | | 0.374 | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.065** | **0.265** | **0.646** | **0.249** | **0.439** | **0.639** | **1.020** | **0.623** |
| | | Left Tilted | | 0.360 | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.019** | **0.099** | **0.894** | **0.234** | **0.379** | **0.459** | **1.254** | **0.594** |
| | FR1 n77_Ant 3 | Right Cheek | | 0.901 | 0.010 | 0.157 | 0.600 | 0.267 | 0.001 | **0.011** | **0.157** | **0.601** | **0.268** | **0.912** | **1.058** | **1.502** | **1.169** |
| | | Right Tilted | | 0.161 | 0.023 | 0.048 | 0.528 | 0.243 | 0.001 | **0.024** | **0.048** | **0.529** | **0.244** | **0.185** | **0.209** | **0.690** | **0.405** |
| | | Left Cheek | | 0.503 | 0.064 | 0.265 | 0.645 | 0.248 | 0.001 | **0.065** | **0.265** | **0.646** | **0.249** | **0.568** | **0.768** | **1.149** | **0.752** |
| | | Left Tilted | | 0.186 | 0.018 | 0.099 | 0.893 | 0.233 | 0.001 | **0.019** | **0.099** | **0.894** | **0.234** | **0.205** | **0.285** | **1.080** | **0.420** |

**<DBS>**

| WWAN Band | FR1 Band | Exposure Position | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 1+4+5 Summed | 1+4+6 Summed | 1+3+5+7 Summed | 1+3+6+7 Summed | 2+4+5 Summed | 2+4+6 Summed | 2+3+5+7 Summed | 2+3+6+7 Summed |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | WWAN | FR1 | WLAN2.4GHz Ant 8 | WLAN2.4GHz Ant 9+8 | WLAN5GHz Ant 9+8 | WLAN6GHz Ant 9+8 | Bluetooth Ant 9 | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) |
| | | | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | | | | | | | | |
| GSM850_Ant 4 | | Right Cheek | 0.226 | | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.895** | **0.562** | **0.837** | **0.504** | **0.669** | **0.336** | **0.611** | **0.278** |
| | | Right Tilted | 0.133 | | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.682** | **0.397** | **0.685** | **0.400** | **0.549** | **0.264** | **0.552** | **0.267** |
| | | Left Cheek | 0.344 | | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **1.121** | **0.724** | **1.054** | **0.657** | **0.777** | **0.380** | **0.710** | **0.313** |
| | | Left Tilted | 0.164 | | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **1.100** | **0.440** | **1.076** | **0.416** | **0.936** | **0.276** | **0.912** | **0.252** |
| GSM1900_Ant 4 | | Right Cheek | 0.077 | | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.746** | **0.413** | **0.688** | **0.355** | **0.669** | **0.336** | **0.611** | **0.278** |
| | | Right Tilted | 0.043 | | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.592** | **0.307** | **0.595** | **0.310** | **0.549** | **0.264** | **0.552** | **0.267** |
| | | Left Cheek | 0.166 | | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **0.943** | **0.546** | **0.876** | **0.479** | **0.777** | **0.380** | **0.710** | **0.313** |
| | | Left Tilted | 0.059 | | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **0.995** | **0.335** | **0.971** | **0.311** | **0.936** | **0.276** | **0.912** | **0.252** |
| WCDMA II_Ant 2 | | Right Cheek | 0.248 | | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.917** | **0.584** | **0.859** | **0.526** | **0.669** | **0.336** | **0.611** | **0.278** |
| | | Right Tilted | 0.070 | | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.619** | **0.334** | **0.622** | **0.337** | **0.549** | **0.264** | **0.552** | **0.267** |
| | | Left Cheek | 0.123 | | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **0.900** | **0.503** | **0.833** | **0.436** | **0.777** | **0.380** | **0.710** | **0.313** |
| | | Left Tilted | 0.105 | | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **1.041** | **0.381** | **1.017** | **0.357** | **0.936** | **0.276** | **0.912** | **0.252** |
| WCDMA IV_Ant 2 | | Right Cheek | 0.075 | | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.744** | **0.411** | **0.686** | **0.353** | **0.669** | **0.336** | **0.611** | **0.278** |
| | | Right Tilted | 0.001 | | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.550** | **0.265** | **0.553** | **0.268** | **0.549** | **0.264** | **0.552** | **0.267** |
| | | Left Cheek | 0.024 | | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **0.801** | **0.404** | **0.734** | **0.337** | **0.777** | **0.380** | **0.710** | **0.313** |
| | | Left Tilted | 0.001 | | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **0.937** | **0.277** | **0.913** | **0.253** | **0.936** | **0.276** | **0.912** | **0.252** |
| WCDMA V_Ant 4 | | Right Cheek | 0.212 | | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.881** | **0.548** | **0.823** | **0.490** | **0.669** | **0.336** | **0.611** | **0.278** |
| | | Right Tilted | 0.136 | | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.685** | **0.400** | **0.688** | **0.403** | **0.549** | **0.264** | **0.552** | **0.267** |
| | | Left Cheek | 0.350 | | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **1.127** | **0.730** | **1.060** | **0.663** | **0.777** | **0.380** | **0.710** | **0.313** |
| | | Left Tilted | 0.148 | | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **1.084** | **0.424** | **1.060** | **0.400** | **0.936** | **0.276** | **0.912** | **0.252** |
| LTE Band 7_Ant 6 | | Right Cheek | 0.027 | | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.696** | **0.363** | **0.638** | **0.305** | **0.669** | **0.336** | **0.611** | **0.278** |
| | | Right Tilted | 0.001 | | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.550** | **0.265** | **0.553** | **0.268** | **0.549** | **0.264** | **0.552** | **0.267** |
| | | Left Cheek | 0.101 | | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **0.878** | **0.481** | **0.811** | **0.414** | **0.777** | **0.380** | **0.710** | **0.313** |
| | | Left Tilted | 0.001 | | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **0.937** | **0.277** | **0.913** | **0.253** | **0.936** | **0.276** | **0.912** | **0.252** |
| LTE Band 12_Ant 0 | | Right Cheek | 0.260 | | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.929** | **0.596** | **0.871** | **0.538** | **0.669** | **0.336** | **0.611** | **0.278** |
| | | Right Tilted | 0.131 | | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.680** | **0.395** | **0.683** | **0.398** | **0.549** | **0.264** | **0.552** | **0.267** |
| | | Left Cheek | 0.172 | | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **0.949** | **0.552** | **0.882** | **0.485** | **0.777** | **0.380** | **0.710** | **0.313** |
| | | Left Tilted | 0.116 | | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **1.052** | **0.392** | **1.028** | **0.368** | **0.936** | **0.276** | **0.912** | **0.252** |
| LTE Band 13_Ant 0 | | Right Cheek | 0.322 | | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.991** | **0.658** | **0.933** | **0.600** | **0.669** | **0.336** | **0.611** | **0.278** |
| | | Right Tilted | 0.155 | | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.704** | **0.419** | **0.707** | **0.422** | **0.549** | **0.264** | **0.552** | **0.267** |
| | | Left Cheek | 0.159 | | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **0.936** | **0.539** | **0.869** | **0.472** | **0.777** | **0.380** | **0.710** | **0.313** |
| | | Left Tilted | 0.112 | | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **1.048** | **0.388** | **1.024** | **0.364** | **0.936** | **0.276** | **0.912** | **0.252** |
| LTE Band 14_Ant 0 | | Right Cheek | 0.210 | | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.879** | **0.546** | **0.821** | **0.488** | **0.669** | **0.336** | **0.611** | **0.278** |
| | | Right Tilted | 0.092 | | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.641** | **0.356** | **0.644** | **0.359** | **0.549** | **0.264** | **0.552** | **0.267** |
| | | Left Cheek | 0.094 | | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **0.871** | **0.474** | **0.804** | **0.407** | **0.777** | **0.380** | **0.710** | **0.313** |
| | | Left Tilted | 0.068 | | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **1.004** | **0.344** | **0.980** | **0.320** | **0.936** | **0.276** | **0.912** | **0.252** |
| LTE Band 25_Ant 2 | | Right Cheek | 0.122 | | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.791** | **0.458** | **0.733** | **0.400** | **0.669** | **0.336** | **0.611** | **0.278** |
| | | Right Tilted | 0.043 | | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.592** | **0.307** | **0.595** | **0.310** | **0.549** | **0.264** | **0.552** | **0.267** |
| | | Left Cheek | 0.189 | | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **0.966** | **0.569** | **0.899** | **0.502** | **0.777** | **0.380** | **0.710** | **0.313** |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Left Tilted | 0.083 | | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **1.019** | **0.359** | **0.995** | **0.335** | **0.936** | **0.276** | **0.912** | **0.252** |
| LTE Band 25_Ant 4 | | Right Cheek | 0.133 | | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.802** | **0.469** | **0.744** | **0.411** | **0.669** | **0.336** | **0.611** | **0.278** |
| | | Right Tilted | 0.081 | | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.630** | **0.345** | **0.633** | **0.348** | **0.549** | **0.264** | **0.552** | **0.267** |
| | | Left Cheek | 0.287 | | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **1.064** | **0.667** | **0.997** | **0.600** | **0.777** | **0.380** | **0.710** | **0.313** |
| | | Left Tilted | 0.101 | | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **1.037** | **0.377** | **1.013** | **0.353** | **0.936** | **0.276** | **0.912** | **0.252** |
| LTE Band 26_Ant 4 | | Right Cheek | 0.110 | | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.779** | **0.446** | **0.721** | **0.388** | **0.669** | **0.336** | **0.611** | **0.278** |
| | | Right Tilted | 0.091 | | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.640** | **0.355** | **0.643** | **0.358** | **0.549** | **0.264** | **0.552** | **0.267** |
| | | Left Cheek | 0.234 | | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **1.011** | **0.614** | **0.944** | **0.547** | **0.777** | **0.380** | **0.710** | **0.313** |
| | | Left Tilted | 0.097 | | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **1.033** | **0.373** | **1.009** | **0.349** | **0.936** | **0.276** | **0.912** | **0.252** |
| LTE Band 41_Ant 6 | | Right Cheek | 0.050 | | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.719** | **0.386** | **0.661** | **0.328** | **0.669** | **0.336** | **0.611** | **0.278** |
| | | Right Tilted | 0.001 | | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.550** | **0.265** | **0.553** | **0.268** | **0.549** | **0.264** | **0.552** | **0.267** |
| | | Left Cheek | 0.131 | | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **0.908** | **0.511** | **0.841** | **0.444** | **0.777** | **0.380** | **0.710** | **0.313** |
| | | Left Tilted | 0.001 | | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **0.937** | **0.277** | **0.913** | **0.253** | **0.936** | **0.276** | **0.912** | **0.252** |
| LTE Band 48_Ant 12 | FR1 n25_Ant 2 | Right Cheek | 0.843 | 0.111 | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **1.512** | **1.179** | **1.454** | **1.121** | **0.780** | **0.447** | **0.722** | **0.389** |
| | | Right Tilted | 0.171 | 0.051 | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.720** | **0.435** | **0.723** | **0.438** | **0.600** | **0.315** | **0.603** | **0.318** |
| | | Left Cheek | 0.309 | 0.098 | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **1.086** | **0.689** | **1.019** | **0.622** | **0.875** | **0.478** | **0.808** | **0.411** |
| | | Left Tilted | 0.148 | 0.074 | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **1.084** | **0.424** | **1.060** | **0.400** | **1.010** | **0.350** | **0.986** | **0.326** |
| LTE Band 48_Ant 11 | FR1 n25_Ant 4 | Right Cheek | 0.037 | 0.202 | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.706** | **0.373** | **0.648** | **0.315** | **0.871** | **0.538** | **0.813** | **0.480** |
| | | Right Tilted | 0.010 | 0.071 | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.559** | **0.274** | **0.562** | **0.277** | **0.620** | **0.335** | **0.623** | **0.338** |
| | | Left Cheek | 0.276 | 0.121 | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **1.053** | **0.656** | **0.986** | **0.589** | **0.898** | **0.501** | **0.831** | **0.434** |
| | | Left Tilted | 0.132 | 0.087 | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **1.068** | **0.408** | **1.044** | **0.384** | **1.023** | **0.363** | **0.999** | **0.339** |
| LTE Band 66_Ant 2 | FR1 n26_Ant 4 | Right Cheek | 0.027 | 0.253 | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.696** | **0.363** | **0.638** | **0.305** | **0.922** | **0.589** | **0.864** | **0.531** |
| | | Right Tilted | 0.001 | 0.160 | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.550** | **0.265** | **0.553** | **0.268** | **0.709** | **0.424** | **0.712** | **0.427** |
| | | Left Cheek | 0.030 | 0.332 | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **0.807** | **0.410** | **0.740** | **0.343** | **1.109** | **0.712** | **1.042** | **0.645** |
| | | Left Tilted | 0.001 | 0.222 | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **0.937** | **0.277** | **0.913** | **0.253** | **1.158** | **0.498** | **1.134** | **0.474** |
| LTE Band 66_Ant 4 | FR1 n41_Ant 6 | Right Cheek | 0.086 | 0.092 | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.755** | **0.422** | **0.697** | **0.364** | **0.761** | **0.428** | **0.703** | **0.370** |
| | | Right Tilted | 0.064 | 0.042 | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.613** | **0.328** | **0.616** | **0.331** | **0.591** | **0.306** | **0.594** | **0.309** |
| | | Left Cheek | 0.188 | 0.257 | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **0.965** | **0.568** | **0.898** | **0.501** | **1.034** | **0.637** | **0.967** | **0.570** |
| | | Left Tilted | 0.089 | 0.038 | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **1.025** | **0.365** | **1.001** | **0.341** | **0.974** | **0.314** | **0.950** | **0.290** |
| LTE Band 71_Ant 0 | FR1 n41_Ant 12 | Right Cheek | 0.108 | 0.838 | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.777** | **0.444** | **0.719** | **0.386** | **1.507** | **1.174** | **1.449** | **1.116** |
| | | Right Tilted | 0.069 | 0.187 | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.618** | **0.333** | **0.621** | **0.336** | **0.736** | **0.451** | **0.739** | **0.454** |
| | | Left Cheek | 0.215 | 0.339 | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **0.992** | **0.595** | **0.925** | **0.528** | **1.116** | **0.719** | **1.049** | **0.652** |
| | | Left Tilted | 0.092 | 0.221 | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **1.028** | **0.368** | **1.004** | **0.344** | **1.157** | **0.497** | **1.133** | **0.473** |
| FR1 n7_Ant 6 | FR1 n41_Ant 1 | Right Cheek | 0.080 | 0.916 | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.749** | **0.416** | **0.691** | **0.358** | **1.585** | **1.252** | **1.527** | **1.194** |
| | | Right Tilted | 0.001 | 0.722 | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.550** | **0.265** | **0.553** | **0.268** | **1.271** | **0.986** | **1.274** | **0.989** |
| | | Left Cheek | 0.252 | 0.592 | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **1.029** | **0.632** | **0.962** | **0.565** | **1.369** | **0.972** | **1.302** | **0.905** |
| | | Left Tilted | 0.001 | 0.490 | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **0.937** | **0.277** | **0.913** | **0.253** | **1.426** | **0.766** | **1.402** | **0.742** |
| FR1 n12_Ant 0 | FR1 n41_Ant 7 | Right Cheek | 0.183 | 0.107 | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.852** | **0.519** | **0.794** | **0.461** | **0.776** | **0.443** | **0.718** | **0.385** |
| | | Right Tilted | 0.060 | 0.021 | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.609** | **0.324** | **0.612** | **0.327** | **0.570** | **0.285** | **0.573** | **0.288** |
| | | Left Cheek | 0.094 | 0.218 | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **0.871** | **0.474** | **0.804** | **0.407** | **0.995** | **0.598** | **0.928** | **0.531** |
| | | Left Tilted | 0.060 | 0.022 | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **0.996** | **0.336** | **0.972** | **0.312** | **0.958** | **0.298** | **0.934** | **0.274** |
| FR1 n13_Ant 0 | FR1 n48_Ant 12 | Right Cheek | 0.284 | 0.921 | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.953** | **0.620** | **0.895** | **0.562** | **1.590** | **1.257** | **1.532** | **1.199** |
| | | Right Tilted | 0.160 | 0.193 | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.709** | **0.424** | **0.712** | **0.427** | **0.742** | **0.457** | **0.745** | **0.460** |
| | | Left Cheek | 0.243 | 0.311 | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **1.020** | **0.623** | **0.953** | **0.556** | **1.088** | **0.691** | **1.021** | **0.624** |
| | | Left Tilted | 0.150 | 0.141 | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **1.086** | **0.426** | **1.062** | **0.402** | **1.077** | **0.417** | **1.053** | **0.393** |
| FR1 n14_Ant 0 | FR1 n48_Ant 11 | Right Cheek | 0.546 | 0.088 | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **1.215** | **0.882** | **1.157** | **0.824** | **0.757** | **0.424** | **0.699** | **0.366** |
| | | Right Tilted | 0.314 | 0.021 | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.863** | **0.578** | **0.866** | **0.581** | **0.570** | **0.285** | **0.573** | **0.288** |
| | | Left Cheek | 0.529 | 0.717 | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **1.306** | **0.909** | **1.239** | **0.842** | **1.494** | **1.097** | **1.427** | **1.030** |
| | | Left Tilted | 0.308 | 0.037 | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **1.244** | **0.584** | **1.220** | **0.560** | **0.973** | **0.313** | **0.949** | **0.289** |
| | FR1 n66_Ant 2 | Right Cheek | | 0.025 | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.669** | **0.336** | **0.611** | **0.278** | **0.694** | **0.361** | **0.636** | **0.303** |
| | | Right Tilted | | 0.001 | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.549** | **0.264** | **0.552** | **0.267** | **0.550** | **0.265** | **0.553** | **0.268** |
| | | Left Cheek | | 0.033 | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **0.777** | **0.380** | **0.710** | **0.313** | **0.810** | **0.413** | **0.743** | **0.346** |
| | | Left Tilted | | 0.001 | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **0.936** | **0.276** | **0.912** | **0.252** | **0.937** | **0.277** | **0.913** | **0.253** |
| | FR1 n66_Ant 4 | Right Cheek | | 0.212 | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.669** | **0.336** | **0.611** | **0.278** | **0.881** | **0.548** | **0.823** | **0.490** |
| | | Right Tilted | | 0.121 | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.549** | **0.264** | **0.552** | **0.267** | **0.670** | **0.385** | **0.673** | **0.388** |
| | | Left Cheek | | 0.340 | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **0.777** | **0.380** | **0.710** | **0.313** | **1.117** | **0.720** | **1.050** | **0.653** |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Left Tilted | | 0.167 | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **0.936** | **0.276** | **0.912** | **0.252** | **1.103** | **0.443** | **1.079** | **0.419** |
| | FR1 n71_Ant 0 | Right Cheek | | 0.144 | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.669** | **0.336** | **0.611** | **0.278** | **0.813** | **0.480** | **0.755** | **0.422** |
| | | Right Tilted | | 0.068 | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.549** | **0.264** | **0.552** | **0.267** | **0.617** | **0.332** | **0.620** | **0.335** |
| | | Left Cheek | | 0.113 | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **0.777** | **0.380** | **0.710** | **0.313** | **0.890** | **0.493** | **0.823** | **0.426** |
| | | Left Tilted | | 0.071 | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **0.936** | **0.276** | **0.912** | **0.252** | **1.007** | **0.347** | **0.983** | **0.323** |
| | FR1 n77_Ant 12 | Right Cheek | | 0.027 | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.669** | **0.336** | **0.611** | **0.278** | **0.696** | **0.363** | **0.638** | **0.305** |
| | | Right Tilted | | 0.022 | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.549** | **0.264** | **0.552** | **0.267** | **0.571** | **0.286** | **0.574** | **0.289** |
| | | Left Cheek | | 0.059 | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **0.777** | **0.380** | **0.710** | **0.313** | **0.836** | **0.439** | **0.769** | **0.372** |
| | | Left Tilted | | 0.015 | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **0.936** | **0.276** | **0.912** | **0.252** | **0.951** | **0.291** | **0.927** | **0.267** |
| | FR1 n77_Ant 11 | Right Cheek | | 0.164 | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.669** | **0.336** | **0.611** | **0.278** | **0.833** | **0.500** | **0.775** | **0.442** |
| | | Right Tilted | | 0.047 | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.549** | **0.264** | **0.552** | **0.267** | **0.596** | **0.311** | **0.599** | **0.314** |
| | | Left Cheek | | 0.521 | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **0.777** | **0.380** | **0.710** | **0.313** | **1.298** | **0.901** | **1.231** | **0.834** |
| | | Left Tilted | | 0.058 | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **0.936** | **0.276** | **0.912** | **0.252** | **0.994** | **0.334** | **0.970** | **0.310** |
| | FR1 n77_Ant 5 | Right Cheek | | 0.280 | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.669** | **0.336** | **0.611** | **0.278** | **0.949** | **0.616** | **0.891** | **0.558** |
| | | Right Tilted | | 0.339 | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.549** | **0.264** | **0.552** | **0.267** | **0.888** | **0.603** | **0.891** | **0.606** |
| | | Left Cheek | | 0.374 | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **0.777** | **0.380** | **0.710** | **0.313** | **1.151** | **0.754** | **1.084** | **0.687** |
| | | Left Tilted | | 0.360 | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **0.936** | **0.276** | **0.912** | **0.252** | **1.296** | **0.636** | **1.272** | **0.612** |
| | FR1 n77_Ant 3 | Right Cheek | | 0.901 | 0.010 | 0.069 | 0.600 | 0.267 | 0.001 | **0.669** | **0.336** | **0.611** | **0.278** | **1.570** | **1.237** | **1.512** | **1.179** |
| | | Right Tilted | | 0.161 | 0.023 | 0.021 | 0.528 | 0.243 | 0.001 | **0.549** | **0.264** | **0.552** | **0.267** | **0.710** | **0.425** | **0.713** | **0.428** |
| | | Left Cheek | | 0.503 | 0.064 | 0.132 | 0.645 | 0.248 | 0.001 | **0.777** | **0.380** | **0.710** | **0.313** | **1.280** | **0.883** | **1.213** | **0.816** |
| | | Left Tilted | | 0.186 | 0.018 | 0.043 | 0.893 | 0.233 | 0.001 | **0.936** | **0.276** | **0.912** | **0.252** | **1.122** | **0.462** | **1.098** | **0.438** |

## 17.2 Hotspot Exposure Conditions

**<Non-DBS>**

| WWAN Band | FR1 Band | Exposure Position | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 1+3+7 Summed 1g SAR (W/kg) | 1+4 Summed 1g SAR (W/kg) | 1+5+7 Summed 1g SAR (W/kg) | 1+6+7 Summed 1g SAR (W/kg) | 2+3+7 Summed 1g SAR (W/kg) | 2+4 Summed 1g SAR (W/kg) | 2+5+7 Summed 1g SAR (W/kg) | 2+6+7 Summed 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | WWAN | FR1 | WLAN2.4GHz Ant 8 | WLAN2.4GHz Ant 9+8 | WLAN5GHz Ant 9+8 | WLAN6GHz Ant 9+8 | Bluetooth Ant 9 | | | | | | | | |
| | | | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | | | | | | | | |
| GSM850_Ant 4 | | Front | 0.139 | | 0.056 | 0.057 | 0.207 | | | **0.195** | **0.196** | **0.346** | **0.139** | **0.056** | **0.057** | **0.207** | **0.000** |
| | | Back | 0.347 | | 0.124 | 0.339 | 0.408 | | | **0.471** | **0.686** | **0.755** | **0.347** | **0.124** | **0.339** | **0.408** | **0.000** |
| | | Left side | 0.190 | | 0.023 | 0.638 | 0.751 | | 0.012 | **0.225** | **0.828** | **0.953** | **0.202** | **0.035** | **0.638** | **0.763** | **0.012** |
| | | Right side | 0.084 | | 0.414 | 0.345 | 0.595 | | | **0.498** | **0.429** | **0.679** | **0.084** | **0.414** | **0.345** | **0.595** | **0.000** |
| | | Top side | | | 0.076 | 0.074 | 0.230 | | | **0.076** | **0.074** | **0.230** | **0.000** | **0.076** | **0.074** | **0.230** | **0.000** |
| | | Bottom side | 0.210 | | | | | | | **0.210** | **0.210** | **0.210** | **0.210** | **0.000** | **0.000** | **0.000** | **0.000** |
| GSM1900_Ant 4 | | Front | 0.064 | | 0.056 | 0.057 | 0.207 | | | **0.120** | **0.121** | **0.271** | **0.064** | **0.056** | **0.057** | **0.207** | **0.000** |
| | | Back | 0.311 | | 0.124 | 0.339 | 0.408 | | | **0.435** | **0.650** | **0.719** | **0.311** | **0.124** | **0.339** | **0.408** | **0.000** |
| | | Left side | 0.062 | | 0.023 | 0.638 | 0.751 | | 0.012 | **0.097** | **0.700** | **0.825** | **0.074** | **0.035** | **0.638** | **0.763** | **0.012** |
| | | Right side | 0.030 | | 0.414 | 0.345 | 0.595 | | | **0.444** | **0.375** | **0.625** | **0.030** | **0.414** | **0.345** | **0.595** | **0.000** |
| | | Top side | | | 0.076 | 0.074 | 0.230 | | | **0.076** | **0.074** | **0.230** | **0.000** | **0.076** | **0.074** | **0.230** | **0.000** |
| | | Bottom side | 0.224 | | | | | | | **0.224** | **0.224** | **0.224** | **0.224** | **0.000** | **0.000** | **0.000** | **0.000** |
| WCDMA II_Ant 2 | | Front | 0.300 | | 0.056 | 0.057 | 0.207 | | | **0.356** | **0.357** | **0.507** | **0.300** | **0.056** | **0.057** | **0.207** | **0.000** |
| | | Back | 0.511 | | 0.124 | 0.339 | 0.408 | | | **0.635** | **0.850** | **0.919** | **0.511** | **0.124** | **0.339** | **0.408** | **0.000** |
| | | Left side | 0.001 | | 0.023 | 0.638 | 0.751 | | 0.012 | **0.036** | **0.639** | **0.764** | **0.013** | **0.035** | **0.638** | **0.763** | **0.012** |
| | | Right side | 0.797 | | 0.414 | 0.345 | 0.595 | | | **1.211** | **1.142** | **1.392** | **0.797** | **0.414** | **0.345** | **0.595** | **0.000** |
| | | Top side | | | 0.076 | 0.074 | 0.230 | | | **0.076** | **0.074** | **0.230** | **0.000** | **0.076** | **0.074** | **0.230** | **0.000** |
| | | Bottom side | 0.383 | | | | | | | **0.383** | **0.383** | **0.383** | **0.383** | **0.000** | **0.000** | **0.000** | **0.000** |
| WCDMA IV_Ant 2 | | Front | 0.166 | | 0.056 | 0.057 | 0.207 | | | **0.222** | **0.223** | **0.373** | **0.166** | **0.056** | **0.057** | **0.207** | **0.000** |
| | | Back | 0.556 | | 0.124 | 0.339 | 0.408 | | | **0.680** | **0.895** | **0.964** | **0.556** | **0.124** | **0.339** | **0.408** | **0.000** |
| | | Left side | 0.001 | | 0.023 | 0.638 | 0.751 | | 0.012 | **0.036** | **0.639** | **0.764** | **0.013** | **0.035** | **0.638** | **0.763** | **0.012** |
| | | Right side | 0.196 | | 0.414 | 0.345 | 0.595 | | | **0.610** | **0.541** | **0.791** | **0.196** | **0.414** | **0.345** | **0.595** | **0.000** |
| | | Top side | | | 0.076 | 0.074 | 0.230 | | | **0.076** | **0.074** | **0.230** | **0.000** | **0.076** | **0.074** | **0.230** | **0.000** |
| | | Bottom side | 0.126 | | | | | | | **0.126** | **0.126** | **0.126** | **0.126** | **0.000** | **0.000** | **0.000** | **0.000** |
| WCDMA V_Ant 4 | | Front | 0.320 | | 0.056 | 0.057 | 0.207 | | | **0.376** | **0.377** | **0.527** | **0.320** | **0.056** | **0.057** | **0.207** | **0.000** |
| | | Back | 0.690 | | 0.124 | 0.339 | 0.408 | | | **0.814** | **1.029** | **1.098** | **0.690** | **0.124** | **0.339** | **0.408** | **0.000** |
| | | Left side | 0.256 | | 0.023 | 0.638 | 0.751 | | 0.012 | **0.291** | **0.894** | **1.019** | **0.268** | **0.035** | **0.638** | **0.763** | **0.012** |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Right side | 0.105 | | 0.414 | 0.345 | 0.595 | | | **0.519** | **0.450** | **0.700** | **0.105** | **0.414** | **0.345** | **0.595** | **0.000** |
| | | Top side | | | 0.076 | 0.074 | 0.230 | | | **0.076** | **0.074** | **0.230** | **0.000** | **0.076** | **0.074** | **0.230** | **0.000** |
| | | Bottom side | 0.260 | | | | | | | **0.260** | **0.260** | **0.260** | **0.260** | **0.000** | **0.000** | **0.000** | **0.000** |
| LTE Band 7_Ant 6 | | Front | 0.129 | | 0.056 | 0.057 | 0.207 | | | **0.185** | **0.186** | **0.336** | **0.129** | **0.056** | **0.057** | **0.207** | **0.000** |
| | | Back | 0.421 | | 0.124 | 0.339 | 0.408 | | | **0.545** | **0.760** | **0.829** | **0.421** | **0.124** | **0.339** | **0.408** | **0.000** |
| | | Left side | 0.348 | | 0.023 | 0.638 | 0.751 | | 0.012 | **0.383** | **0.986** | **1.111** | **0.360** | **0.035** | **0.638** | **0.763** | **0.012** |
| | | Right side | 0.001 | | 0.414 | 0.345 | 0.595 | | | **0.415** | **0.346** | **0.596** | **0.001** | **0.414** | **0.345** | **0.595** | **0.000** |
| | | Top side | | | 0.076 | 0.074 | 0.230 | | | **0.076** | **0.074** | **0.230** | **0.000** | **0.076** | **0.074** | **0.230** | **0.000** |
| | | Bottom side | 0.176 | | | | | | | **0.176** | **0.176** | **0.176** | **0.176** | **0.000** | **0.000** | **0.000** | **0.000** |
| LTE Band 12_Ant 0 | | Front | 0.188 | | 0.056 | 0.057 | 0.207 | | | **0.244** | **0.245** | **0.395** | **0.188** | **0.056** | **0.057** | **0.207** | **0.000** |
| | | Back | 0.214 | | 0.124 | 0.339 | 0.408 | | | **0.338** | **0.553** | **0.622** | **0.214** | **0.124** | **0.339** | **0.408** | **0.000** |
| | | Left side | 0.110 | | 0.023 | 0.638 | 0.751 | | 0.012 | **0.145** | **0.748** | **0.873** | **0.122** | **0.035** | **0.638** | **0.763** | **0.012** |
| | | Right side | 0.121 | | 0.414 | 0.345 | 0.595 | | | **0.535** | **0.466** | **0.716** | **0.121** | **0.414** | **0.345** | **0.595** | **0.000** |
| | | Top side | | | 0.076 | 0.074 | 0.230 | | | **0.076** | **0.074** | **0.230** | **0.000** | **0.076** | **0.074** | **0.230** | **0.000** |
| | | Bottom side | 0.244 | | | | | | | **0.244** | **0.244** | **0.244** | **0.244** | **0.000** | **0.000** | **0.000** | **0.000** |
| LTE Band 13_Ant 0 | | Front | 0.263 | | 0.056 | 0.057 | 0.207 | | | **0.319** | **0.320** | **0.470** | **0.263** | **0.056** | **0.057** | **0.207** | **0.000** |
| | | Back | 0.448 | | 0.124 | 0.339 | 0.408 | | | **0.572** | **0.787** | **0.856** | **0.448** | **0.124** | **0.339** | **0.408** | **0.000** |
| | | Left side | 0.108 | | 0.023 | 0.638 | 0.751 | | 0.012 | **0.143** | **0.746** | **0.871** | **0.120** | **0.035** | **0.638** | **0.763** | **0.012** |
| | | Right side | 0.187 | | 0.414 | 0.345 | 0.595 | | | **0.601** | **0.532** | **0.782** | **0.187** | **0.414** | **0.345** | **0.595** | **0.000** |
| | | Top side | | | 0.076 | 0.074 | 0.230 | | | **0.076** | **0.074** | **0.230** | **0.000** | **0.076** | **0.074** | **0.230** | **0.000** |
| | | Bottom side | 0.534 | | | | | | | **0.534** | **0.534** | **0.534** | **0.534** | **0.000** | **0.000** | **0.000** | **0.000** |
| LTE Band 14_Ant 0 | | Front | 0.272 | | 0.056 | 0.057 | 0.207 | | | **0.328** | **0.329** | **0.479** | **0.272** | **0.056** | **0.057** | **0.207** | **0.000** |
| | | Back | 0.724 | | 0.124 | 0.339 | 0.408 | | | **0.848** | **1.063** | **1.132** | **0.724** | **0.124** | **0.339** | **0.408** | **0.000** |
| | | Left side | 0.093 | | 0.023 | 0.638 | 0.751 | | 0.012 | **0.128** | **0.731** | **0.856** | **0.105** | **0.035** | **0.638** | **0.763** | **0.012** |
| | | Right side | 0.190 | | 0.414 | 0.345 | 0.595 | | | **0.604** | **0.535** | **0.785** | **0.190** | **0.414** | **0.345** | **0.595** | **0.000** |
| | | Top side | | | 0.076 | 0.074 | 0.230 | | | **0.076** | **0.074** | **0.230** | **0.000** | **0.076** | **0.074** | **0.230** | **0.000** |
| | | Bottom side | 0.573 | | | | | | | **0.573** | **0.573** | **0.573** | **0.573** | **0.000** | **0.000** | **0.000** | **0.000** |
| LTE Band 25_Ant 2 | | Front | 0.091 | | 0.056 | 0.057 | 0.207 | | | **0.147** | **0.148** | **0.298** | **0.091** | **0.056** | **0.057** | **0.207** | **0.000** |
| | | Back | 0.121 | | 0.124 | 0.339 | 0.408 | | | **0.245** | **0.460** | **0.529** | **0.121** | **0.124** | **0.339** | **0.408** | **0.000** |
| | | Left side | 0.027 | | 0.023 | 0.638 | 0.751 | | 0.012 | **0.062** | **0.665** | **0.790** | **0.039** | **0.035** | **0.638** | **0.763** | **0.012** |
| | | Right side | 0.228 | | 0.414 | 0.345 | 0.595 | | | **0.642** | **0.573** | **0.823** | **0.228** | **0.414** | **0.345** | **0.595** | **0.000** |
| | | Top side | | | 0.076 | 0.074 | 0.230 | | | **0.076** | **0.074** | **0.230** | **0.000** | **0.076** | **0.074** | **0.230** | **0.000** |
| | | Bottom side | 0.097 | | | | | | | **0.097** | **0.097** | **0.097** | **0.097** | **0.000** | **0.000** | **0.000** | **0.000** |
| LTE Band 25_Ant 4 | | Front | 0.151 | | 0.056 | 0.057 | 0.207 | | | **0.207** | **0.208** | **0.358** | **0.151** | **0.056** | **0.057** | **0.207** | **0.000** |
| | | Back | 0.795 | | 0.124 | 0.339 | 0.408 | | | **0.919** | **1.134** | **1.203** | **0.795** | **0.124** | **0.339** | **0.408** | **0.000** |
| | | Left side | 0.125 | | 0.023 | 0.638 | 0.751 | | 0.012 | **0.160** | **0.763** | **0.888** | **0.137** | **0.035** | **0.638** | **0.763** | **0.012** |
| | | Right side | 0.001 | | 0.414 | 0.345 | 0.595 | | | **0.415** | **0.346** | **0.596** | **0.001** | **0.414** | **0.345** | **0.595** | **0.000** |
| | | Top side | | | 0.076 | 0.074 | 0.230 | | | **0.076** | **0.074** | **0.230** | **0.000** | **0.076** | **0.074** | **0.230** | **0.000** |
| | | Bottom side | 0.205 | | | | | | | **0.205** | **0.205** | **0.205** | **0.205** | **0.000** | **0.000** | **0.000** | **0.000** |
| LTE Band 26_Ant 4 | | Front | 0.317 | | 0.056 | 0.057 | 0.207 | | | **0.373** | **0.374** | **0.524** | **0.317** | **0.056** | **0.057** | **0.207** | **0.000** |
| | | Back | 0.570 | | 0.124 | 0.339 | 0.408 | | | **0.694** | **0.909** | **0.978** | **0.570** | **0.124** | **0.339** | **0.408** | **0.000** |
| | | Left side | 0.297 | | 0.023 | 0.638 | 0.751 | | 0.012 | **0.332** | **0.935** | **1.060** | **0.309** | **0.035** | **0.638** | **0.763** | **0.012** |
| | | Right side | 0.070 | | 0.414 | 0.345 | 0.595 | | | **0.484** | **0.415** | **0.665** | **0.070** | **0.414** | **0.345** | **0.595** | **0.000** |
| | | Top side | | | 0.076 | 0.074 | 0.230 | | | **0.076** | **0.074** | **0.230** | **0.000** | **0.076** | **0.074** | **0.230** | **0.000** |
| | | Bottom side | 0.383 | | | | | | | **0.383** | **0.383** | **0.383** | **0.383** | **0.000** | **0.000** | **0.000** | **0.000** |
| LTE Band 41_Ant 6 | | Front | 0.162 | | 0.056 | 0.057 | 0.207 | | | **0.218** | **0.219** | **0.369** | **0.162** | **0.056** | **0.057** | **0.207** | **0.000** |
| | | Back | 0.506 | | 0.124 | 0.339 | 0.408 | | | **0.630** | **0.845** | **0.914** | **0.506** | **0.124** | **0.339** | **0.408** | **0.000** |
| | | Left side | 0.574 | | 0.023 | 0.638 | 0.751 | | 0.012 | **0.609** | **1.212** | **1.337** | **0.586** | **0.035** | **0.638** | **0.763** | **0.012** |
| | | Right side | 0.001 | | 0.414 | 0.345 | 0.595 | | | **0.415** | **0.346** | **0.596** | **0.001** | **0.414** | **0.345** | **0.595** | **0.000** |
| | | Top side | | | 0.076 | 0.074 | 0.230 | | | **0.076** | **0.074** | **0.230** | **0.000** | **0.076** | **0.074** | **0.230** | **0.000** |
| | | Bottom side | 0.246 | | | | | | | **0.246** | **0.246** | **0.246** | **0.246** | **0.000** | **0.000** | **0.000** | **0.000** |
| LTE Band 48_Ant 12 | FR1 n25_Ant 2 | Front | 0.282 | 0.090 | 0.056 | 0.057 | 0.207 | | | **0.338** | **0.339** | **0.489** | **0.282** | **0.146** | **0.147** | **0.297** | **0.090** |
| | | Back | 0.344 | 0.163 | 0.124 | 0.339 | 0.408 | | | **0.468** | **0.683** | **0.752** | **0.344** | **0.287** | **0.502** | **0.571** | **0.163** |
| | | Left side | 0.094 | 0.018 | 0.023 | 0.638 | 0.751 | | 0.012 | **0.129** | **0.732** | **0.857** | **0.106** | **0.053** | **0.656** | **0.781** | **0.030** |
| | | Right side | 0.759 | 0.199 | 0.414 | 0.345 | 0.595 | | | **1.173** | **1.104** | **1.354** | **0.759** | **0.613** | **0.544** | **0.794** | **0.199** |
| | | Top side | | | 0.076 | 0.074 | 0.230 | | | **0.076** | **0.074** | **0.230** | **0.000** | **0.076** | **0.074** | **0.230** | **0.000** |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Bottom side | 0.117 | 0.067 | | | | | | **0.117** | **0.117** | **0.117** | **0.117** | **0.067** | **0.067** | **0.067** | **0.067** |
| LTE Band 48_Ant 11 | FR1 n25_Ant 4 | Front | 0.075 | 0.209 | 0.056 | 0.057 | 0.207 | | | **0.131** | **0.132** | **0.282** | **0.075** | **0.265** | **0.266** | **0.416** | **0.209** |
| | | Back | 0.066 | 1.053 | 0.124 | 0.339 | 0.408 | | | **0.190** | **0.405** | **0.474** | **0.066** | **1.177** | **1.392** | **1.461** | **1.053** |
| | | Left side | 0.323 | 0.189 | 0.023 | 0.638 | 0.751 | | 0.012 | **0.358** | **0.961** | **1.086** | **0.335** | **0.224** | **0.827** | **0.952** | **0.201** |
| | | Right side | 0.028 | 0.139 | 0.414 | 0.345 | 0.595 | | | **0.442** | **0.373** | **0.623** | **0.028** | **0.553** | **0.484** | **0.734** | **0.139** |
| | | Top side | | | 0.076 | 0.074 | 0.230 | | | **0.076** | **0.074** | **0.230** | **0.000** | **0.076** | **0.074** | **0.230** | **0.000** |
| | | Bottom side | 0.021 | 0.773 | | | | | | **0.021** | **0.021** | **0.021** | **0.021** | **0.773** | **0.773** | **0.773** | **0.773** |
| LTE Band 66_Ant 2 | FR1 n26_Ant 4 | Front | 0.108 | 0.206 | 0.056 | 0.057 | 0.207 | | | **0.164** | **0.165** | **0.315** | **0.108** | **0.262** | **0.263** | **0.413** | **0.206** |
| | | Back | 0.331 | 0.334 | 0.124 | 0.339 | 0.408 | | | **0.455** | **0.670** | **0.739** | **0.331** | **0.458** | **0.673** | **0.742** | **0.334** |
| | | Left side | 0.021 | 0.206 | 0.023 | 0.638 | 0.751 | | 0.012 | **0.056** | **0.659** | **0.784** | **0.033** | **0.241** | **0.844** | **0.969** | **0.218** |
| | | Right side | 0.159 | 0.146 | 0.414 | 0.345 | 0.595 | | | **0.573** | **0.504** | **0.754** | **0.159** | **0.560** | **0.491** | **0.741** | **0.146** |
| | | Top side | | | 0.076 | 0.074 | 0.230 | | | **0.076** | **0.074** | **0.230** | **0.000** | **0.076** | **0.074** | **0.230** | **0.000** |
| | | Bottom side | 0.073 | 0.234 | | | | | | **0.073** | **0.073** | **0.073** | **0.073** | **0.234** | **0.234** | **0.234** | **0.234** |
| LTE Band 66_Ant 4 | FR1 n41_Ant 6 | Front | 0.152 | 0.169 | 0.056 | 0.057 | 0.207 | | | **0.208** | **0.209** | **0.359** | **0.152** | **0.225** | **0.226** | **0.376** | **0.169** |
| | | Back | 0.338 | 0.467 | 0.124 | 0.339 | 0.408 | | | **0.462** | **0.677** | **0.746** | **0.338** | **0.591** | **0.806** | **0.875** | **0.467** |
| | | Left side | 0.180 | 0.593 | 0.023 | 0.638 | 0.751 | | 0.012 | **0.215** | **0.818** | **0.943** | **0.192** | **0.628** | **1.231** | **1.356** | **0.605** |
| | | Right side | 0.074 | 0.056 | 0.414 | 0.345 | 0.595 | | | **0.488** | **0.419** | **0.669** | **0.074** | **0.470** | **0.401** | **0.651** | **0.056** |
| | | Top side | | | 0.076 | 0.074 | 0.230 | | | **0.076** | **0.074** | **0.230** | **0.000** | **0.076** | **0.074** | **0.230** | **0.000** |
| | | Bottom side | 0.700 | 0.230 | | | | | | **0.700** | **0.700** | **0.700** | **0.700** | **0.230** | **0.230** | **0.230** | **0.230** |
| LTE Band 71_Ant 0 | FR1 n41_Ant 12 | Front | 0.380 | 0.216 | 0.056 | 0.057 | 0.207 | | | **0.436** | **0.437** | **0.587** | **0.380** | **0.272** | **0.273** | **0.423** | **0.216** |
| | | Back | 0.465 | 0.529 | 0.124 | 0.339 | 0.408 | | | **0.589** | **0.804** | **0.873** | **0.465** | **0.653** | **0.868** | **0.937** | **0.529** |
| | | Left side | 0.335 | 0.195 | 0.023 | 0.638 | 0.751 | | 0.012 | **0.370** | **0.973** | **1.098** | **0.347** | **0.230** | **0.833** | **0.958** | **0.207** |
| | | Right side | 0.623 | 0.539 | 0.414 | 0.345 | 0.595 | | | **1.037** | **0.968** | **1.218** | **0.623** | **0.953** | **0.884** | **1.134** | **0.539** |
| | | Top side | | | 0.076 | 0.074 | 0.230 | | | **0.076** | **0.074** | **0.230** | **0.000** | **0.076** | **0.074** | **0.230** | **0.000** |
| | | Bottom side | 0.413 | 0.093 | | | | | | **0.413** | **0.413** | **0.413** | **0.413** | **0.093** | **0.093** | **0.093** | **0.093** |
| FR1 n7_Ant 6 | FR1 n41_Ant 1 | Front | 0.330 | 0.759 | 0.056 | 0.057 | 0.207 | | | **0.386** | **0.387** | **0.537** | **0.330** | **0.815** | **0.816** | **0.966** | **0.759** |
| | | Back | 0.717 | 0.308 | 0.124 | 0.339 | 0.408 | | | **0.841** | **1.056** | **1.125** | **0.717** | **0.432** | **0.647** | **0.716** | **0.308** |
| | | Left side | 0.728 | 0.705 | 0.023 | 0.638 | 0.751 | | 0.012 | **0.763** | **1.366** | **1.491** | **0.740** | **0.740** | **1.343** | **1.468** | **0.717** |
| | | Right side | 0.051 | 0.001 | 0.414 | 0.345 | 0.595 | | | **0.465** | **0.396** | **0.646** | **0.051** | **0.415** | **0.346** | **0.596** | **0.001** |
| | | Top side | | 0.452 | 0.076 | 0.074 | 0.230 | | | **0.076** | **0.074** | **0.230** | **0.000** | **0.528** | **0.526** | **0.682** | **0.452** |
| | | Bottom side | 0.339 | 0.001 | | | | | | **0.339** | **0.339** | **0.339** | **0.339** | **0.001** | **0.001** | **0.001** | **0.001** |
| FR1 n12_Ant 0 | FR1 n41_Ant 7 | Front | 0.083 | 0.327 | 0.056 | 0.057 | 0.207 | | | **0.139** | **0.140** | **0.290** | **0.083** | **0.383** | **0.384** | **0.534** | **0.327** |
| | | Back | 0.096 | 0.373 | 0.124 | 0.339 | 0.408 | | | **0.220** | **0.435** | **0.504** | **0.096** | **0.497** | **0.712** | **0.781** | **0.373** |
| | | Left side | 0.049 | 0.673 | 0.023 | 0.638 | 0.751 | | 0.012 | **0.084** | **0.687** | **0.812** | **0.061** | **0.708** | **1.311** | **1.436** | **0.685** |
| | | Right side | 0.082 | 0.054 | 0.414 | 0.345 | 0.595 | | | **0.496** | **0.427** | **0.677** | **0.082** | **0.468** | **0.399** | **0.649** | **0.054** |
| | | Top side | | 0.039 | 0.076 | 0.074 | 0.230 | | | **0.076** | **0.074** | **0.230** | **0.000** | **0.115** | **0.113** | **0.269** | **0.039** |
| | | Bottom side | 0.099 | 0.047 | | | | | | **0.099** | **0.099** | **0.099** | **0.099** | **0.047** | **0.047** | **0.047** | **0.047** |
| FR1 n13_Ant 0 | FR1 n48_Ant 12 | Front | 0.298 | 0.138 | 0.056 | 0.057 | 0.207 | | | **0.354** | **0.355** | **0.505** | **0.298** | **0.194** | **0.195** | **0.345** | **0.138** |
| | | Back | 0.611 | 0.228 | 0.124 | 0.339 | 0.408 | | | **0.735** | **0.950** | **1.019** | **0.611** | **0.352** | **0.567** | **0.636** | **0.228** |
| | | Left side | 0.147 | 0.028 | 0.023 | 0.638 | 0.751 | | 0.012 | **0.182** | **0.785** | **0.910** | **0.159** | **0.063** | **0.666** | **0.791** | **0.040** |
| | | Right side | 0.313 | 0.371 | 0.414 | 0.345 | 0.595 | | | **0.727** | **0.658** | **0.908** | **0.313** | **0.785** | **0.716** | **0.966** | **0.371** |
| | | Top side | | | 0.076 | 0.074 | 0.230 | | | **0.076** | **0.074** | **0.230** | **0.000** | **0.076** | **0.074** | **0.230** | **0.000** |
| | | Bottom side | 0.496 | 0.053 | | | | | | **0.496** | **0.496** | **0.496** | **0.496** | **0.053** | **0.053** | **0.053** | **0.053** |
| FR1 n14_Ant 0 | FR1 n48_Ant 11 | Front | 0.158 | 0.097 | 0.056 | 0.057 | 0.207 | | | **0.214** | **0.215** | **0.365** | **0.158** | **0.153** | **0.154** | **0.304** | **0.097** |
| | | Back | 0.625 | 0.088 | 0.124 | 0.339 | 0.408 | | | **0.749** | **0.964** | **1.033** | **0.625** | **0.212** | **0.427** | **0.496** | **0.088** |
| | | Left side | 0.098 | 0.323 | 0.023 | 0.638 | 0.751 | | 0.012 | **0.133** | **0.736** | **0.861** | **0.110** | **0.358** | **0.961** | **1.086** | **0.335** |
| | | Right side | 0.185 | 0.050 | 0.414 | 0.345 | 0.595 | | | **0.599** | **0.530** | **0.780** | **0.185** | **0.464** | **0.395** | **0.645** | **0.050** |
| | | Top side | | | 0.076 | 0.074 | 0.230 | | | **0.076** | **0.074** | **0.230** | **0.000** | **0.076** | **0.074** | **0.230** | **0.000** |
| | | Bottom side | 0.317 | 0.027 | | | | | | **0.317** | **0.317** | **0.317** | **0.317** | **0.027** | **0.027** | **0.027** | **0.027** |
| | FR1 n66_Ant 2 | Front | | 0.210 | 0.056 | 0.057 | 0.207 | | | **0.056** | **0.057** | **0.207** | **0.000** | **0.266** | **0.267** | **0.417** | **0.210** |
| | | Back | | 0.806 | 0.124 | 0.339 | 0.408 | | | **0.124** | **0.339** | **0.408** | **0.000** | **0.930** | **1.145** | **1.214** | **0.806** |
| | | Left side | | 0.061 | 0.023 | 0.638 | 0.751 | | 0.012 | **0.035** | **0.638** | **0.763** | **0.012** | **0.096** | **0.699** | **0.824** | **0.073** |
| | | Right side | | 0.226 | 0.414 | 0.345 | 0.595 | | | **0.414** | **0.345** | **0.595** | **0.000** | **0.640** | **0.571** | **0.821** | **0.226** |
| | | Top side | | | 0.076 | 0.074 | 0.230 | | | **0.076** | **0.074** | **0.230** | **0.000** | **0.076** | **0.074** | **0.230** | **0.000** |
| | | Bottom side | | 0.097 | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.097** | **0.097** | **0.097** | **0.097** |
| | | Front | | 0.204 | 0.056 | 0.057 | 0.207 | | | **0.056** | **0.057** | **0.207** | **0.000** | **0.260** | **0.261** | **0.411** | **0.204** |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FR1 n66_Ant 4 | Back | | 0.730 | 0.124 | 0.339 | 0.408 | | | 0.124 | 0.339 | 0.408 | 0.000 | 0.854 | 1.069 | 1.138 | 0.730 |
| | | Left side | | 0.232 | 0.023 | 0.638 | 0.751 | | 0.012 | 0.035 | 0.638 | 0.763 | 0.012 | 0.267 | 0.870 | 0.995 | 0.244 |
| | | Right side | | 0.100 | 0.414 | 0.345 | 0.595 | | | 0.414 | 0.345 | 0.595 | 0.000 | 0.514 | 0.445 | 0.695 | 0.100 |
| | | Top side | | | 0.076 | 0.074 | 0.230 | | | 0.076 | 0.074 | 0.230 | 0.000 | 0.076 | 0.074 | 0.230 | 0.000 |
| | | Bottom side | | 0.864 | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.864 | 0.864 | 0.864 | 0.864 |
| | FR1 n71_Ant 0 | Front | | 0.107 | 0.056 | 0.057 | 0.207 | | | 0.056 | 0.057 | 0.207 | 0.000 | 0.163 | 0.164 | 0.314 | 0.107 |
| | | Back | | 0.140 | 0.124 | 0.339 | 0.408 | | | 0.124 | 0.339 | 0.408 | 0.000 | 0.264 | 0.479 | 0.548 | 0.140 |
| | | Left side | | 0.071 | 0.023 | 0.638 | 0.751 | | 0.012 | 0.035 | 0.638 | 0.763 | 0.012 | 0.106 | 0.709 | 0.834 | 0.083 |
| | | Right side | | 0.130 | 0.414 | 0.345 | 0.595 | | | 0.414 | 0.345 | 0.595 | 0.000 | 0.544 | 0.475 | 0.725 | 0.130 |
| | | Top side | | | 0.076 | 0.074 | 0.230 | | | 0.076 | 0.074 | 0.230 | 0.000 | 0.076 | 0.074 | 0.230 | 0.000 |
| | | Bottom side | | 0.135 | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.135 | 0.135 | 0.135 | 0.135 |
| | FR1 n77_Ant 12 | Front | | 0.047 | 0.056 | 0.057 | 0.207 | | | 0.056 | 0.057 | 0.207 | 0.000 | 0.103 | 0.104 | 0.254 | 0.047 |
| | | Back | | 0.275 | 0.124 | 0.339 | 0.408 | | | 0.124 | 0.339 | 0.408 | 0.000 | 0.399 | 0.614 | 0.683 | 0.275 |
| | | Left side | | 0.039 | 0.023 | 0.638 | 0.751 | | 0.012 | 0.035 | 0.638 | 0.763 | 0.012 | 0.074 | 0.677 | 0.802 | 0.051 |
| | | Right side | | 0.676 | 0.414 | 0.345 | 0.595 | | | 0.414 | 0.345 | 0.595 | 0.000 | 1.090 | 1.021 | 1.271 | 0.676 |
| | | Top side | | | 0.076 | 0.074 | 0.230 | | | 0.076 | 0.074 | 0.230 | 0.000 | 0.076 | 0.074 | 0.230 | 0.000 |
| | | Bottom side | | 0.036 | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.036 | 0.036 | 0.036 | 0.036 |
| | FR1 n77_Ant 11 | Front | | 0.236 | 0.056 | 0.057 | 0.207 | | | 0.056 | 0.057 | 0.207 | 0.000 | 0.292 | 0.293 | 0.443 | 0.236 |
| | | Back | | 0.243 | 0.124 | 0.339 | 0.408 | | | 0.124 | 0.339 | 0.408 | 0.000 | 0.367 | 0.582 | 0.651 | 0.243 |
| | | Left side | | 0.485 | 0.023 | 0.638 | 0.751 | | 0.012 | 0.035 | 0.638 | 0.763 | 0.012 | 0.520 | 1.123 | 1.248 | 0.497 |
| | | Right side | | 0.093 | 0.414 | 0.345 | 0.595 | | | 0.414 | 0.345 | 0.595 | 0.000 | 0.507 | 0.438 | 0.688 | 0.093 |
| | | Top side | | | 0.076 | 0.074 | 0.230 | | | 0.076 | 0.074 | 0.230 | 0.000 | 0.076 | 0.074 | 0.230 | 0.000 |
| | | Bottom side | | 0.082 | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.082 | 0.082 | 0.082 | 0.082 |
| | FR1 n77_Ant 5 | Front | | 0.108 | 0.056 | 0.057 | 0.207 | | | 0.056 | 0.057 | 0.207 | 0.000 | 0.164 | 0.165 | 0.315 | 0.108 |
| | | Back | | 1.053 | 0.124 | 0.339 | 0.408 | | | 0.124 | 0.339 | 0.408 | 0.000 | 1.177 | 1.392 | 1.461 | 1.053 |
| | | Left side | | 0.030 | 0.023 | 0.638 | 0.751 | | | 0.023 | 0.638 | 0.751 | 0.000 | 0.053 | 0.668 | 0.781 | 0.030 |
| | | Right side | | 0.103 | 0.414 | 0.345 | 0.595 | | | 0.414 | 0.345 | 0.595 | 0.000 | 0.517 | 0.448 | 0.698 | 0.103 |
| | | Top side | | 1.049 | 0.076 | 0.074 | 0.230 | | | 0.076 | 0.074 | 0.230 | 0.000 | 1.125 | 1.123 | 1.279 | 1.049 |
| | | Bottom side | | 0.001 | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 |
| | FR1 n77_Ant 3 | Front | | 0.197 | 0.056 | 0.057 | 0.207 | | | 0.056 | 0.057 | 0.207 | 0.000 | 0.253 | 0.254 | 0.404 | 0.197 |
| | | Back | | 0.300 | 0.124 | 0.339 | 0.408 | | | 0.124 | 0.339 | 0.408 | 0.000 | 0.424 | 0.639 | 0.708 | 0.300 |
| | | Left side | | 0.083 | 0.023 | 0.638 | 0.751 | | | 0.023 | 0.638 | 0.751 | 0.000 | 0.106 | 0.721 | 0.834 | 0.083 |
| | | Right side | | 0.467 | 0.414 | 0.345 | 0.595 | | | 0.414 | 0.345 | 0.595 | 0.000 | 0.881 | 0.812 | 1.062 | 0.467 |
| | | Top side | | 0.062 | 0.076 | 0.074 | 0.230 | | | 0.076 | 0.074 | 0.230 | 0.000 | 0.138 | 0.136 | 0.292 | 0.062 |
| | | Bottom side | | 0.109 | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.109 | 0.109 | 0.109 | 0.109 |

**<DBS>**

| WWAN Band | FR1 Band | Exposure Position | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 1+4+5 Summed 1g SAR (W/kg) | 1+4+6 Summed 1g SAR (W/kg) | 1+3+5+7 Summed 1g SAR (W/kg) | 1+3+6+7 Summed 1g SAR (W/kg) | 2+4+5 Summed 1g SAR (W/kg) | 2+4+6 Summed 1g SAR (W/kg) | 2+3+5+7 Summed 1g SAR (W/kg) | 2+3+6+7 Summed 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | WWAN | FR1 | WLAN2.4GHz Ant 8 | WLAN2.4GHz Ant 9+8 | WLAN5GHz Ant 9+8 | WLAN6GHz Ant 9+8 | Bluetooth Ant 9 | | | | | | | | |
| | | | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | | | | | | | | |
| GSM850_Ant 4 | | Front | 0.139 | | 0.025 | 0.034 | 0.090 | | | 0.263 | 0.173 | 0.254 | 0.164 | 0.124 | 0.034 | 0.115 | 0.025 |
| | | Back | 0.347 | | 0.055 | 0.204 | 0.164 | | | 0.715 | 0.551 | 0.566 | 0.402 | 0.368 | 0.204 | 0.219 | 0.055 |
| | | Left side | 0.190 | | 0.010 | 0.409 | 0.435 | | 0.012 | 1.034 | 0.599 | 0.647 | 0.212 | 0.844 | 0.409 | 0.457 | 0.022 |
| | | Right side | 0.084 | | 0.183 | 0.207 | 0.157 | | | 0.448 | 0.291 | 0.424 | 0.267 | 0.364 | 0.207 | 0.340 | 0.183 |
| | | Top side | | | 0.034 | 0.044 | 0.061 | | | 0.105 | 0.044 | 0.095 | 0.034 | 0.105 | 0.044 | 0.095 | 0.034 |
| | | Bottom side | 0.210 | | | | | | | 0.210 | 0.210 | 0.210 | 0.210 | 0.000 | 0.000 | 0.000 | 0.000 |
| GSM1900_Ant 4 | | Front | 0.064 | | 0.025 | 0.034 | 0.090 | | | 0.188 | 0.098 | 0.179 | 0.089 | 0.124 | 0.034 | 0.115 | 0.025 |
| | | Back | 0.311 | | 0.055 | 0.204 | 0.164 | | | 0.679 | 0.515 | 0.530 | 0.366 | 0.368 | 0.204 | 0.219 | 0.055 |
| | | Left side | 0.062 | | 0.010 | 0.409 | 0.435 | | 0.012 | 0.906 | 0.471 | 0.519 | 0.084 | 0.844 | 0.409 | 0.457 | 0.022 |
| | | Right side | 0.030 | | 0.183 | 0.207 | 0.157 | | | 0.394 | 0.237 | 0.370 | 0.213 | 0.364 | 0.207 | 0.340 | 0.183 |
| | | Top side | | | 0.034 | 0.044 | 0.061 | | | 0.105 | 0.044 | 0.095 | 0.034 | 0.105 | 0.044 | 0.095 | 0.034 |
| | | Bottom side | 0.224 | | | | | | | 0.224 | 0.224 | 0.224 | 0.224 | 0.000 | 0.000 | 0.000 | 0.000 |
| WCDMA II_Ant 2 | | Front | 0.300 | | 0.025 | 0.034 | 0.090 | | | 0.424 | 0.334 | 0.415 | 0.325 | 0.124 | 0.034 | 0.115 | 0.025 |
| | | Back | 0.511 | | 0.055 | 0.204 | 0.164 | | | 0.879 | 0.715 | 0.730 | 0.566 | 0.368 | 0.204 | 0.219 | 0.055 |
| | | Left side | 0.001 | | 0.010 | 0.409 | 0.435 | | 0.012 | 0.845 | 0.410 | 0.458 | 0.023 | 0.844 | 0.409 | 0.457 | 0.022 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Right side | 0.797 | | 0.183 | 0.207 | 0.157 | | | 1.161 | 1.004 | 1.137 | 0.980 | 0.364 | 0.207 | 0.340 | 0.183 |
| | | Top side | | | 0.034 | 0.044 | 0.061 | | | 0.105 | 0.044 | 0.095 | 0.034 | 0.105 | 0.044 | 0.095 | 0.034 |
| | | Bottom side | 0.383 | | | | | | | 0.383 | 0.383 | 0.383 | 0.383 | 0.000 | 0.000 | 0.000 | 0.000 |
| WCDMA IV_Ant 2 | | Front | 0.166 | | 0.025 | 0.034 | 0.090 | | | 0.290 | 0.200 | 0.281 | 0.191 | 0.124 | 0.034 | 0.115 | 0.025 |
| | | Back | 0.556 | | 0.055 | 0.204 | 0.164 | | | 0.924 | 0.760 | 0.775 | 0.611 | 0.368 | 0.204 | 0.219 | 0.055 |
| | | Left side | 0.001 | | 0.010 | 0.409 | 0.435 | | 0.012 | 0.845 | 0.410 | 0.458 | 0.023 | 0.844 | 0.409 | 0.457 | 0.022 |
| | | Right side | 0.196 | | 0.183 | 0.207 | 0.157 | | | 0.560 | 0.403 | 0.536 | 0.379 | 0.364 | 0.207 | 0.340 | 0.183 |
| | | Top side | | | 0.034 | 0.044 | 0.061 | | | 0.105 | 0.044 | 0.095 | 0.034 | 0.105 | 0.044 | 0.095 | 0.034 |
| | | Bottom side | 0.126 | | | | | | | 0.126 | 0.126 | 0.126 | 0.126 | 0.000 | 0.000 | 0.000 | 0.000 |
| WCDMA V_Ant 4 | | Front | 0.320 | | 0.025 | 0.034 | 0.090 | | | 0.444 | 0.354 | 0.435 | 0.345 | 0.124 | 0.034 | 0.115 | 0.025 |
| | | Back | 0.690 | | 0.055 | 0.204 | 0.164 | | | 1.058 | 0.894 | 0.909 | 0.745 | 0.368 | 0.204 | 0.219 | 0.055 |
| | | Left side | 0.256 | | 0.010 | 0.409 | 0.435 | | 0.012 | 1.100 | 0.665 | 0.713 | 0.278 | 0.844 | 0.409 | 0.457 | 0.022 |
| | | Right side | 0.105 | | 0.183 | 0.207 | 0.157 | | | 0.469 | 0.312 | 0.445 | 0.288 | 0.364 | 0.207 | 0.340 | 0.183 |
| | | Top side | | | 0.034 | 0.044 | 0.061 | | | 0.105 | 0.044 | 0.095 | 0.034 | 0.105 | 0.044 | 0.095 | 0.034 |
| | | Bottom side | 0.260 | | | | | | | 0.260 | 0.260 | 0.260 | 0.260 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE Band 7_Ant 6 | | Front | 0.129 | | 0.025 | 0.034 | 0.090 | | | 0.253 | 0.163 | 0.244 | 0.154 | 0.124 | 0.034 | 0.115 | 0.025 |
| | | Back | 0.421 | | 0.055 | 0.204 | 0.164 | | | 0.789 | 0.625 | 0.640 | 0.476 | 0.368 | 0.204 | 0.219 | 0.055 |
| | | Left side | 0.348 | | 0.010 | 0.409 | 0.435 | | 0.012 | 1.192 | 0.757 | 0.805 | 0.370 | 0.844 | 0.409 | 0.457 | 0.022 |
| | | Right side | 0.001 | | 0.183 | 0.207 | 0.157 | | | 0.365 | 0.208 | 0.341 | 0.184 | 0.364 | 0.207 | 0.340 | 0.183 |
| | | Top side | | | 0.034 | 0.044 | 0.061 | | | 0.105 | 0.044 | 0.095 | 0.034 | 0.105 | 0.044 | 0.095 | 0.034 |
| | | Bottom side | 0.176 | | | | | | | 0.176 | 0.176 | 0.176 | 0.176 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE Band 12_Ant 0 | | Front | 0.188 | | 0.025 | 0.034 | 0.090 | | | 0.312 | 0.222 | 0.303 | 0.213 | 0.124 | 0.034 | 0.115 | 0.025 |
| | | Back | 0.214 | | 0.055 | 0.204 | 0.164 | | | 0.582 | 0.418 | 0.433 | 0.269 | 0.368 | 0.204 | 0.219 | 0.055 |
| | | Left side | 0.110 | | 0.010 | 0.409 | 0.435 | | 0.012 | 0.954 | 0.519 | 0.567 | 0.132 | 0.844 | 0.409 | 0.457 | 0.022 |
| | | Right side | 0.121 | | 0.183 | 0.207 | 0.157 | | | 0.485 | 0.328 | 0.461 | 0.304 | 0.364 | 0.207 | 0.340 | 0.183 |
| | | Top side | | | 0.034 | 0.044 | 0.061 | | | 0.105 | 0.044 | 0.095 | 0.034 | 0.105 | 0.044 | 0.095 | 0.034 |
| | | Bottom side | 0.244 | | | | | | | 0.244 | 0.244 | 0.244 | 0.244 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE Band 13_Ant 0 | | Front | 0.263 | | 0.025 | 0.034 | 0.090 | | | 0.387 | 0.297 | 0.378 | 0.288 | 0.124 | 0.034 | 0.115 | 0.025 |
| | | Back | 0.448 | | 0.055 | 0.204 | 0.164 | | | 0.816 | 0.652 | 0.667 | 0.503 | 0.368 | 0.204 | 0.219 | 0.055 |
| | | Left side | 0.108 | | 0.010 | 0.409 | 0.435 | | 0.012 | 0.952 | 0.517 | 0.565 | 0.130 | 0.844 | 0.409 | 0.457 | 0.022 |
| | | Right side | 0.187 | | 0.183 | 0.207 | 0.157 | | | 0.551 | 0.394 | 0.527 | 0.370 | 0.364 | 0.207 | 0.340 | 0.183 |
| | | Top side | | | 0.034 | 0.044 | 0.061 | | | 0.105 | 0.044 | 0.095 | 0.034 | 0.105 | 0.044 | 0.095 | 0.034 |
| | | Bottom side | 0.534 | | | | | | | 0.534 | 0.534 | 0.534 | 0.534 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE Band 14_Ant 0 | | Front | 0.272 | | 0.025 | 0.034 | 0.090 | | | 0.396 | 0.306 | 0.387 | 0.297 | 0.124 | 0.034 | 0.115 | 0.025 |
| | | Back | 0.724 | | 0.055 | 0.204 | 0.164 | | | 1.092 | 0.928 | 0.943 | 0.779 | 0.368 | 0.204 | 0.219 | 0.055 |
| | | Left side | 0.093 | | 0.010 | 0.409 | 0.435 | | 0.012 | 0.937 | 0.502 | 0.550 | 0.115 | 0.844 | 0.409 | 0.457 | 0.022 |
| | | Right side | 0.190 | | 0.183 | 0.207 | 0.157 | | | 0.554 | 0.397 | 0.530 | 0.373 | 0.364 | 0.207 | 0.340 | 0.183 |
| | | Top side | | | 0.034 | 0.044 | 0.061 | | | 0.105 | 0.044 | 0.095 | 0.034 | 0.105 | 0.044 | 0.095 | 0.034 |
| | | Bottom side | 0.573 | | | | | | | 0.573 | 0.573 | 0.573 | 0.573 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE Band 25_Ant 2 | | Front | 0.091 | | 0.025 | 0.034 | 0.090 | | | 0.215 | 0.125 | 0.206 | 0.116 | 0.124 | 0.034 | 0.115 | 0.025 |
| | | Back | 0.121 | | 0.055 | 0.204 | 0.164 | | | 0.489 | 0.325 | 0.340 | 0.176 | 0.368 | 0.204 | 0.219 | 0.055 |
| | | Left side | 0.027 | | 0.010 | 0.409 | 0.435 | | 0.012 | 0.871 | 0.436 | 0.484 | 0.049 | 0.844 | 0.409 | 0.457 | 0.022 |
| | | Right side | 0.228 | | 0.183 | 0.207 | 0.157 | | | 0.592 | 0.435 | 0.568 | 0.411 | 0.364 | 0.207 | 0.340 | 0.183 |
| | | Top side | | | 0.034 | 0.044 | 0.061 | | | 0.105 | 0.044 | 0.095 | 0.034 | 0.105 | 0.044 | 0.095 | 0.034 |
| | | Bottom side | 0.097 | | | | | | | 0.097 | 0.097 | 0.097 | 0.097 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE Band 25_Ant 4 | | Front | 0.151 | | 0.025 | 0.034 | 0.090 | | | 0.275 | 0.185 | 0.266 | 0.176 | 0.124 | 0.034 | 0.115 | 0.025 |
| | | Back | 0.795 | | 0.055 | 0.204 | 0.164 | | | 1.163 | 0.999 | 1.014 | 0.850 | 0.368 | 0.204 | 0.219 | 0.055 |
| | | Left side | 0.125 | | 0.010 | 0.409 | 0.435 | | 0.012 | 0.969 | 0.534 | 0.582 | 0.147 | 0.844 | 0.409 | 0.457 | 0.022 |
| | | Right side | 0.001 | | 0.183 | 0.207 | 0.157 | | | 0.365 | 0.208 | 0.341 | 0.184 | 0.364 | 0.207 | 0.340 | 0.183 |
| | | Top side | | | 0.034 | 0.044 | 0.061 | | | 0.105 | 0.044 | 0.095 | 0.034 | 0.105 | 0.044 | 0.095 | 0.034 |
| | | Bottom side | 0.205 | | | | | | | 0.205 | 0.205 | 0.205 | 0.205 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE Band 26_Ant 4 | | Front | 0.317 | | 0.025 | 0.034 | 0.090 | | | 0.441 | 0.351 | 0.432 | 0.342 | 0.124 | 0.034 | 0.115 | 0.025 |
| | | Back | 0.570 | | 0.055 | 0.204 | 0.164 | | | 0.938 | 0.774 | 0.789 | 0.625 | 0.368 | 0.204 | 0.219 | 0.055 |
| | | Left side | 0.297 | | 0.010 | 0.409 | 0.435 | | 0.012 | 1.141 | 0.706 | 0.754 | 0.319 | 0.844 | 0.409 | 0.457 | 0.022 |
| | | Right side | 0.070 | | 0.183 | 0.207 | 0.157 | | | 0.434 | 0.277 | 0.410 | 0.253 | 0.364 | 0.207 | 0.340 | 0.183 |
| | | Top side | | | 0.034 | 0.044 | 0.061 | | | 0.105 | 0.044 | 0.095 | 0.034 | 0.105 | 0.044 | 0.095 | 0.034 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Bottom side | 0.383 | | | | | | | 0.383 | 0.383 | 0.383 | 0.383 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE Band 41_Ant 6 | | Front | 0.162 | | 0.025 | 0.034 | 0.090 | | | 0.286 | 0.196 | 0.277 | 0.187 | 0.124 | 0.034 | 0.115 | 0.025 |
| | | Back | 0.506 | | 0.055 | 0.204 | 0.164 | | | 0.874 | 0.710 | 0.725 | 0.561 | 0.368 | 0.204 | 0.219 | 0.055 |
| | | Left side | 0.574 | | 0.010 | 0.409 | 0.435 | | 0.012 | 1.418 | 0.983 | 1.031 | 0.596 | 0.844 | 0.409 | 0.457 | 0.022 |
| | | Right side | 0.001 | | 0.183 | 0.207 | 0.157 | | | 0.365 | 0.208 | 0.341 | 0.184 | 0.364 | 0.207 | 0.340 | 0.183 |
| | | Top side | | | 0.034 | 0.044 | 0.061 | | | 0.105 | 0.044 | 0.095 | 0.034 | 0.105 | 0.044 | 0.095 | 0.034 |
| | | Bottom side | 0.246 | | | | | | | 0.246 | 0.246 | 0.246 | 0.246 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE Band 48_Ant 12 | FR1 n25_Ant 2 | Front | 0.282 | 0.090 | 0.025 | 0.034 | 0.090 | | | 0.406 | 0.316 | 0.397 | 0.307 | 0.214 | 0.124 | 0.205 | 0.115 |
| | | Back | 0.344 | 0.163 | 0.055 | 0.204 | 0.164 | | | 0.712 | 0.548 | 0.563 | 0.399 | 0.531 | 0.367 | 0.382 | 0.218 |
| | | Left side | 0.094 | 0.018 | 0.010 | 0.409 | 0.435 | | 0.012 | 0.938 | 0.503 | 0.551 | 0.116 | 0.862 | 0.427 | 0.475 | 0.040 |
| | | Right side | 0.759 | 0.199 | 0.183 | 0.207 | 0.157 | | | 1.123 | 0.966 | 1.099 | 0.942 | 0.563 | 0.406 | 0.539 | 0.382 |
| | | Top side | | | 0.034 | 0.044 | 0.061 | | | 0.105 | 0.044 | 0.095 | 0.034 | 0.105 | 0.044 | 0.095 | 0.034 |
| | | Bottom side | 0.117 | 0.067 | | | | | | 0.117 | 0.117 | 0.117 | 0.117 | 0.067 | 0.067 | 0.067 | 0.067 |
| LTE Band 48_Ant 11 | FR1 n25_Ant 4 | Front | 0.075 | 0.209 | 0.025 | 0.034 | 0.090 | | | 0.199 | 0.109 | 0.190 | 0.100 | 0.333 | 0.243 | 0.324 | 0.234 |
| | | Back | 0.066 | 1.053 | 0.055 | 0.204 | 0.164 | | | 0.434 | 0.270 | 0.285 | 0.121 | 1.421 | 1.257 | 1.272 | 1.108 |
| | | Left side | 0.323 | 0.189 | 0.010 | 0.409 | 0.435 | | 0.012 | 1.167 | 0.732 | 0.780 | 0.345 | 1.033 | 0.598 | 0.646 | 0.211 |
| | | Right side | 0.028 | 0.139 | 0.183 | 0.207 | 0.157 | | | 0.392 | 0.235 | 0.368 | 0.211 | 0.503 | 0.346 | 0.479 | 0.322 |
| | | Top side | | | 0.034 | 0.044 | 0.061 | | | 0.105 | 0.044 | 0.095 | 0.034 | 0.105 | 0.044 | 0.095 | 0.034 |
| | | Bottom side | 0.021 | 0.773 | | | | | | 0.021 | 0.021 | 0.021 | 0.021 | 0.773 | 0.773 | 0.773 | 0.773 |
| LTE Band 66_Ant 2 | FR1 n26_Ant 4 | Front | 0.108 | 0.206 | 0.025 | 0.034 | 0.090 | | | 0.232 | 0.142 | 0.223 | 0.133 | 0.330 | 0.240 | 0.321 | 0.231 |
| | | Back | 0.331 | 0.334 | 0.055 | 0.204 | 0.164 | | | 0.699 | 0.535 | 0.550 | 0.386 | 0.702 | 0.538 | 0.553 | 0.389 |
| | | Left side | 0.021 | 0.206 | 0.010 | 0.409 | 0.435 | | 0.012 | 0.865 | 0.430 | 0.478 | 0.043 | 1.050 | 0.615 | 0.663 | 0.228 |
| | | Right side | 0.159 | 0.146 | 0.183 | 0.207 | 0.157 | | | 0.523 | 0.366 | 0.499 | 0.342 | 0.510 | 0.353 | 0.486 | 0.329 |
| | | Top side | | | 0.034 | 0.044 | 0.061 | | | 0.105 | 0.044 | 0.095 | 0.034 | 0.105 | 0.044 | 0.095 | 0.034 |
| | | Bottom side | 0.073 | 0.234 | | | | | | 0.073 | 0.073 | 0.073 | 0.073 | 0.234 | 0.234 | 0.234 | 0.234 |
| LTE Band 66_Ant 4 | FR1 n41_Ant 6 | Front | 0.152 | 0.169 | 0.025 | 0.034 | 0.090 | | | 0.276 | 0.186 | 0.267 | 0.177 | 0.293 | 0.203 | 0.284 | 0.194 |
| | | Back | 0.338 | 0.467 | 0.055 | 0.204 | 0.164 | | | 0.706 | 0.542 | 0.557 | 0.393 | 0.835 | 0.671 | 0.686 | 0.522 |
| | | Left side | 0.180 | 0.593 | 0.010 | 0.409 | 0.435 | | 0.012 | 1.024 | 0.589 | 0.637 | 0.202 | 1.437 | 1.002 | 1.050 | 0.615 |
| | | Right side | 0.074 | 0.056 | 0.183 | 0.207 | 0.157 | | | 0.438 | 0.281 | 0.414 | 0.257 | 0.420 | 0.263 | 0.396 | 0.239 |
| | | Top side | | | 0.034 | 0.044 | 0.061 | | | 0.105 | 0.044 | 0.095 | 0.034 | 0.105 | 0.044 | 0.095 | 0.034 |
| | | Bottom side | 0.700 | 0.230 | | | | | | 0.700 | 0.700 | 0.700 | 0.700 | 0.230 | 0.230 | 0.230 | 0.230 |
| LTE Band 71_Ant 0 | FR1 n41_Ant 12 | Front | 0.380 | 0.216 | 0.025 | 0.034 | 0.090 | | | 0.504 | 0.414 | 0.495 | 0.405 | 0.340 | 0.250 | 0.331 | 0.241 |
| | | Back | 0.465 | 0.529 | 0.055 | 0.204 | 0.164 | | | 0.833 | 0.669 | 0.684 | 0.520 | 0.897 | 0.733 | 0.748 | 0.584 |
| | | Left side | 0.335 | 0.195 | 0.010 | 0.409 | 0.435 | | 0.012 | 1.179 | 0.744 | 0.792 | 0.357 | 1.039 | 0.604 | 0.652 | 0.217 |
| | | Right side | 0.623 | 0.539 | 0.183 | 0.207 | 0.157 | | | 0.987 | 0.830 | 0.963 | 0.806 | 0.903 | 0.746 | 0.879 | 0.722 |
| | | Top side | | | 0.034 | 0.044 | 0.061 | | | 0.105 | 0.044 | 0.095 | 0.034 | 0.105 | 0.044 | 0.095 | 0.034 |
| | | Bottom side | 0.413 | 0.093 | | | | | | 0.413 | 0.413 | 0.413 | 0.413 | 0.093 | 0.093 | 0.093 | 0.093 |
| FR1 n7_Ant 6 | FR1 n41_Ant 1 | Front | 0.330 | 0.759 | 0.025 | 0.034 | 0.090 | | | 0.454 | 0.364 | 0.445 | 0.355 | 0.883 | 0.793 | 0.874 | 0.784 |
| | | Back | 0.717 | 0.308 | 0.055 | 0.204 | 0.164 | | | 1.085 | 0.921 | 0.936 | 0.772 | 0.676 | 0.512 | 0.527 | 0.363 |
| | | Left side | 0.728 | 0.705 | 0.010 | 0.409 | 0.435 | | 0.012 | 1.572 | 1.137 | 1.185 | 0.750 | 1.549 | 1.114 | 1.162 | 0.727 |
| | | Right side | 0.051 | 0.001 | 0.183 | 0.207 | 0.157 | | | 0.415 | 0.258 | 0.391 | 0.234 | 0.365 | 0.208 | 0.341 | 0.184 |
| | | Top side | | 0.452 | 0.034 | 0.044 | 0.061 | | | 0.105 | 0.044 | 0.095 | 0.034 | 0.557 | 0.496 | 0.547 | 0.486 |
| | | Bottom side | 0.339 | 0.001 | | | | | | 0.339 | 0.339 | 0.339 | 0.339 | 0.001 | 0.001 | 0.001 | 0.001 |
| FR1 n12_Ant 0 | FR1 n41_Ant 7 | Front | 0.083 | 0.327 | 0.025 | 0.034 | 0.090 | | | 0.207 | 0.117 | 0.198 | 0.108 | 0.451 | 0.361 | 0.442 | 0.352 |
| | | Back | 0.096 | 0.373 | 0.055 | 0.204 | 0.164 | | | 0.464 | 0.300 | 0.315 | 0.151 | 0.741 | 0.577 | 0.592 | 0.428 |
| | | Left side | 0.049 | 0.673 | 0.010 | 0.409 | 0.435 | | 0.012 | 0.893 | 0.458 | 0.506 | 0.071 | 1.517 | 1.082 | 1.130 | 0.695 |
| | | Right side | 0.082 | 0.054 | 0.183 | 0.207 | 0.157 | | | 0.446 | 0.289 | 0.422 | 0.265 | 0.418 | 0.261 | 0.394 | 0.237 |
| | | Top side | | 0.039 | 0.034 | 0.044 | 0.061 | | | 0.105 | 0.044 | 0.095 | 0.034 | 0.144 | 0.083 | 0.134 | 0.073 |
| | | Bottom side | 0.099 | 0.047 | | | | | | 0.099 | 0.099 | 0.099 | 0.099 | 0.047 | 0.047 | 0.047 | 0.047 |
| FR1 n13_Ant 0 | FR1 n48_Ant 12 | Front | 0.298 | 0.138 | 0.025 | 0.034 | 0.090 | | | 0.422 | 0.332 | 0.413 | 0.323 | 0.262 | 0.172 | 0.253 | 0.163 |
| | | Back | 0.611 | 0.228 | 0.055 | 0.204 | 0.164 | | | 0.979 | 0.815 | 0.830 | 0.666 | 0.596 | 0.432 | 0.447 | 0.283 |
| | | Left side | 0.147 | 0.028 | 0.010 | 0.409 | 0.435 | | 0.012 | 0.991 | 0.556 | 0.604 | 0.169 | 0.872 | 0.437 | 0.485 | 0.050 |
| | | Right side | 0.313 | 0.371 | 0.183 | 0.207 | 0.157 | | | 0.677 | 0.520 | 0.653 | 0.496 | 0.735 | 0.578 | 0.711 | 0.554 |
| | | Top side | | | 0.034 | 0.044 | 0.061 | | | 0.105 | 0.044 | 0.095 | 0.034 | 0.105 | 0.044 | 0.095 | 0.034 |
| | | Bottom side | 0.496 | 0.053 | | | | | | 0.496 | 0.496 | 0.496 | 0.496 | 0.053 | 0.053 | 0.053 | 0.053 |
| FR1 n14_Ant 0 | | Front | 0.158 | 0.097 | 0.025 | 0.034 | 0.090 | | | 0.282 | 0.192 | 0.273 | 0.183 | 0.221 | 0.131 | 0.212 | 0.122 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FR1 n48_Ant 11 | Back | 0.625 | 0.088 | 0.055 | 0.204 | 0.164 | | | **0.993** | **0.829** | **0.844** | **0.680** | **0.456** | **0.292** | **0.307** | **0.143** |
| | | Left side | 0.098 | 0.323 | 0.010 | 0.409 | 0.435 | | 0.012 | **0.942** | **0.507** | **0.555** | **0.120** | **1.167** | **0.732** | **0.780** | **0.345** |
| | | Right side | 0.185 | 0.050 | 0.183 | 0.207 | 0.157 | | | **0.549** | **0.392** | **0.525** | **0.368** | **0.414** | **0.257** | **0.390** | **0.233** |
| | | Top side | | | 0.034 | 0.044 | 0.061 | | | **0.105** | **0.044** | **0.095** | **0.034** | **0.105** | **0.044** | **0.095** | **0.034** |
| | | Bottom side | 0.317 | 0.027 | | | | | | **0.317** | **0.317** | **0.317** | **0.317** | **0.027** | **0.027** | **0.027** | **0.027** |
| | FR1 n66_Ant 2 | Front | | 0.210 | 0.025 | 0.034 | 0.090 | | | **0.124** | **0.034** | **0.115** | **0.025** | **0.334** | **0.244** | **0.325** | **0.235** |
| | | Back | | 0.806 | 0.055 | 0.204 | 0.164 | | | **0.368** | **0.204** | **0.219** | **0.055** | **1.174** | **1.010** | **1.025** | **0.861** |
| | | Left side | | 0.061 | 0.010 | 0.409 | 0.435 | | 0.012 | **0.844** | **0.409** | **0.457** | **0.022** | **0.905** | **0.470** | **0.518** | **0.083** |
| | | Right side | | 0.226 | 0.183 | 0.207 | 0.157 | | | **0.364** | **0.207** | **0.340** | **0.183** | **0.590** | **0.433** | **0.566** | **0.409** |
| | | Top side | | | 0.034 | 0.044 | 0.061 | | | **0.105** | **0.044** | **0.095** | **0.034** | **0.105** | **0.044** | **0.095** | **0.034** |
| | | Bottom side | | 0.097 | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.097** | **0.097** | **0.097** | **0.097** |
| | FR1 n66_Ant 4 | Front | | 0.204 | 0.025 | 0.034 | 0.090 | | | **0.124** | **0.034** | **0.115** | **0.025** | **0.328** | **0.238** | **0.319** | **0.229** |
| | | Back | | 0.730 | 0.055 | 0.204 | 0.164 | | | **0.368** | **0.204** | **0.219** | **0.055** | **1.098** | **0.934** | **0.949** | **0.785** |
| | | Left side | | 0.232 | 0.010 | 0.409 | 0.435 | | 0.012 | **0.844** | **0.409** | **0.457** | **0.022** | **1.076** | **0.641** | **0.689** | **0.254** |
| | | Right side | | 0.100 | 0.183 | 0.207 | 0.157 | | | **0.364** | **0.207** | **0.340** | **0.183** | **0.464** | **0.307** | **0.440** | **0.283** |
| | | Top side | | | 0.034 | 0.044 | 0.061 | | | **0.105** | **0.044** | **0.095** | **0.034** | **0.105** | **0.044** | **0.095** | **0.034** |
| | | Bottom side | | 0.864 | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.864** | **0.864** | **0.864** | **0.864** |
| | FR1 n71_Ant 0 | Front | | 0.107 | 0.025 | 0.034 | 0.090 | | | **0.124** | **0.034** | **0.115** | **0.025** | **0.231** | **0.141** | **0.222** | **0.132** |
| | | Back | | 0.140 | 0.055 | 0.204 | 0.164 | | | **0.368** | **0.204** | **0.219** | **0.055** | **0.508** | **0.344** | **0.359** | **0.195** |
| | | Left side | | 0.071 | 0.010 | 0.409 | 0.435 | | 0.012 | **0.844** | **0.409** | **0.457** | **0.022** | **0.915** | **0.480** | **0.528** | **0.093** |
| | | Right side | | 0.130 | 0.183 | 0.207 | 0.157 | | | **0.364** | **0.207** | **0.340** | **0.183** | **0.494** | **0.337** | **0.470** | **0.313** |
| | | Top side | | | 0.034 | 0.044 | 0.061 | | | **0.105** | **0.044** | **0.095** | **0.034** | **0.105** | **0.044** | **0.095** | **0.034** |
| | | Bottom side | | 0.135 | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.135** | **0.135** | **0.135** | **0.135** |
| | FR1 n77_Ant 12 | Front | | 0.047 | 0.025 | 0.034 | 0.090 | | | **0.124** | **0.034** | **0.115** | **0.025** | **0.171** | **0.081** | **0.162** | **0.072** |
| | | Back | | 0.275 | 0.055 | 0.204 | 0.164 | | | **0.368** | **0.204** | **0.219** | **0.055** | **0.643** | **0.479** | **0.494** | **0.330** |
| | | Left side | | 0.039 | 0.010 | 0.409 | 0.435 | | 0.012 | **0.844** | **0.409** | **0.457** | **0.022** | **0.883** | **0.448** | **0.496** | **0.061** |
| | | Right side | | 0.676 | 0.183 | 0.207 | 0.157 | | | **0.364** | **0.207** | **0.340** | **0.183** | **1.040** | **0.883** | **1.016** | **0.859** |
| | | Top side | | | 0.034 | 0.044 | 0.061 | | | **0.105** | **0.044** | **0.095** | **0.034** | **0.105** | **0.044** | **0.095** | **0.034** |
| | | Bottom side | | 0.036 | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.036** | **0.036** | **0.036** | **0.036** |
| | FR1 n77_Ant 11 | Front | | 0.236 | 0.025 | 0.034 | 0.090 | | | **0.124** | **0.034** | **0.115** | **0.025** | **0.360** | **0.270** | **0.351** | **0.261** |
| | | Back | | 0.243 | 0.055 | 0.204 | 0.164 | | | **0.368** | **0.204** | **0.219** | **0.055** | **0.611** | **0.447** | **0.462** | **0.298** |
| | | Left side | | 0.485 | 0.010 | 0.409 | 0.435 | | 0.012 | **0.844** | **0.409** | **0.457** | **0.022** | **1.329** | **0.894** | **0.942** | **0.507** |
| | | Right side | | 0.093 | 0.183 | 0.207 | 0.157 | | | **0.364** | **0.207** | **0.340** | **0.183** | **0.457** | **0.300** | **0.433** | **0.276** |
| | | Top side | | | 0.034 | 0.044 | 0.061 | | | **0.105** | **0.044** | **0.095** | **0.034** | **0.105** | **0.044** | **0.095** | **0.034** |
| | | Bottom side | | 0.082 | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.082** | **0.082** | **0.082** | **0.082** |
| | FR1 n77_Ant 5 | Front | | 0.108 | 0.025 | 0.034 | 0.090 | | | **0.124** | **0.034** | **0.115** | **0.025** | **0.232** | **0.142** | **0.223** | **0.133** |
| | | Back | | 1.053 | 0.055 | 0.204 | 0.164 | | | **0.368** | **0.204** | **0.219** | **0.055** | **1.421** | **1.257** | **1.272** | **1.108** |
| | | Left side | | 0.030 | 0.010 | 0.409 | 0.435 | | 0.012 | **0.844** | **0.409** | **0.457** | **0.022** | **0.874** | **0.439** | **0.487** | **0.052** |
| | | Right side | | 0.103 | 0.183 | 0.207 | 0.157 | | | **0.364** | **0.207** | **0.340** | **0.183** | **0.467** | **0.310** | **0.443** | **0.286** |
| | | Top side | | 1.049 | 0.034 | 0.044 | 0.061 | | | **0.105** | **0.044** | **0.095** | **0.034** | **1.154** | **1.093** | **1.144** | **1.083** |
| | | Bottom side | | 0.001 | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.001** | **0.001** | **0.001** | **0.001** |
| | FR1 n77_Ant 3 | Front | | 0.197 | 0.025 | 0.034 | 0.090 | | | **0.124** | **0.034** | **0.115** | **0.025** | **0.321** | **0.231** | **0.312** | **0.222** |
| | | Back | | 0.300 | 0.055 | 0.204 | 0.164 | | | **0.368** | **0.204** | **0.219** | **0.055** | **0.668** | **0.504** | **0.519** | **0.355** |
| | | Left side | | 0.083 | 0.010 | 0.409 | 0.435 | | 0.012 | **0.844** | **0.409** | **0.457** | **0.022** | **0.927** | **0.492** | **0.540** | **0.105** |
| | | Right side | | 0.467 | 0.183 | 0.207 | 0.157 | | | **0.364** | **0.207** | **0.340** | **0.183** | **0.831** | **0.674** | **0.807** | **0.650** |
| | | Top side | | 0.062 | 0.034 | 0.044 | 0.061 | | | **0.105** | **0.044** | **0.095** | **0.034** | **0.167** | **0.106** | **0.157** | **0.096** |
| | | Bottom side | | 0.109 | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.109** | **0.109** | **0.109** | **0.109** |

## 17.3 Body-Worn Accessory Exposure Conditions

**<Non-DBS>**

| WWAN Band | FR1 Band | Exposure Position | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 1+3+7 Summed 1g SAR (W/kg) | 1+4 Summed 1g SAR (W/kg) | 1+5+7 Summed 1g SAR (W/kg) | 1+6+7 Summed 1g SAR (W/kg) | 2+3+7 Summed 1g SAR (W/kg) | 2+4 Summed 1g SAR (W/kg) | 2+5+7 Summed 1g SAR (W/kg) | 2+6+7 Summed 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | WWAN | FR1 | WLAN2.4GHz Ant 8 | WLAN2.4GHz Ant 9+8 | WLAN5GHz Ant 9+8 | WLAN6GHz Ant 9+8 | Bluetooth Ant 9 | | | | | | | | |
| | | | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | | | | | | | | |
| GSM850_Ant 4 | | Front | 0.237 | | 0.008 | 0.021 | 0.216 | 0.057 | | **0.245** | **0.258** | **0.453** | **0.294** | **0.008** | **0.021** | **0.216** | **0.057** |
| | | Back | 0.365 | | 0.042 | 0.162 | 0.443 | 0.061 | | **0.407** | **0.527** | **0.808** | **0.426** | **0.042** | **0.162** | **0.443** | **0.061** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | 0.804 | | 0.041 | 0.167 | 0.362 | 0.119 | | **0.845** | **0.971** | **1.166** | **0.923** | **0.041** | **0.167** | **0.362** | **0.119** |
| GSM1900_Ant 4 | | Front | 0.095 | | 0.008 | 0.021 | 0.216 | 0.057 | | **0.103** | **0.116** | **0.311** | **0.152** | **0.008** | **0.021** | **0.216** | **0.057** |
| | | Back | 0.439 | | 0.042 | 0.162 | 0.443 | 0.061 | | **0.481** | **0.601** | **0.882** | **0.500** | **0.042** | **0.162** | **0.443** | **0.061** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | 0.232 | | 0.041 | 0.167 | 0.362 | 0.119 | | **0.273** | **0.399** | **0.594** | **0.351** | **0.041** | **0.167** | **0.362** | **0.119** |
| WCDMA II_Ant 2 | | Front | 0.235 | | 0.008 | 0.021 | 0.216 | 0.057 | | **0.243** | **0.256** | **0.451** | **0.292** | **0.008** | **0.021** | **0.216** | **0.057** |
| | | Back | 0.369 | | 0.042 | 0.162 | 0.443 | 0.061 | | **0.411** | **0.531** | **0.812** | **0.430** | **0.042** | **0.162** | **0.443** | **0.061** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | 0.565 | | 0.041 | 0.167 | 0.362 | 0.119 | | **0.606** | **0.732** | **0.927** | **0.684** | **0.041** | **0.167** | **0.362** | **0.119** |
| WCDMA IV_Ant 2 | | Front | 0.156 | | 0.008 | 0.021 | 0.216 | 0.057 | | **0.164** | **0.177** | **0.372** | **0.213** | **0.008** | **0.021** | **0.216** | **0.057** |
| | | Back | 0.467 | | 0.042 | 0.162 | 0.443 | 0.061 | | **0.509** | **0.629** | **0.910** | **0.528** | **0.042** | **0.162** | **0.443** | **0.061** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | 0.477 | | 0.041 | 0.167 | 0.362 | 0.119 | | **0.518** | **0.644** | **0.839** | **0.596** | **0.041** | **0.167** | **0.362** | **0.119** |
| WCDMA V_Ant 4 | | Front | 0.411 | | 0.008 | 0.021 | 0.216 | 0.057 | | **0.419** | **0.432** | **0.627** | **0.468** | **0.008** | **0.021** | **0.216** | **0.057** |
| | | Back | 0.394 | | 0.042 | 0.162 | 0.443 | 0.061 | | **0.436** | **0.556** | **0.837** | **0.455** | **0.042** | **0.162** | **0.443** | **0.061** |
| | | Front with Soft Holster | 0.616 | | | | | | | **0.616** | **0.616** | **0.616** | **0.616** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | | | 0.041 | 0.167 | 0.362 | 0.119 | | **0.041** | **0.167** | **0.362** | **0.119** | **0.041** | **0.167** | **0.362** | **0.119** |
| LTE Band 7_Ant 6 | | Front | 0.058 | | 0.008 | 0.021 | 0.216 | 0.057 | | **0.066** | **0.079** | **0.274** | **0.115** | **0.008** | **0.021** | **0.216** | **0.057** |
| | | Back | 0.155 | | 0.042 | 0.162 | 0.443 | 0.061 | | **0.197** | **0.317** | **0.598** | **0.216** | **0.042** | **0.162** | **0.443** | **0.061** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | 0.191 | | 0.041 | 0.167 | 0.362 | 0.119 | | **0.232** | **0.358** | **0.553** | **0.310** | **0.041** | **0.167** | **0.362** | **0.119** |
| LTE Band 12_Ant 0 | | Front | 0.077 | | 0.008 | 0.021 | 0.216 | 0.057 | | **0.085** | **0.098** | **0.293** | **0.134** | **0.008** | **0.021** | **0.216** | **0.057** |
| | | Back | 0.160 | | 0.042 | 0.162 | 0.443 | 0.061 | | **0.202** | **0.322** | **0.603** | **0.221** | **0.042** | **0.162** | **0.443** | **0.061** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | 0.101 | | 0.041 | 0.167 | 0.362 | 0.119 | | **0.142** | **0.268** | **0.463** | **0.220** | **0.041** | **0.167** | **0.362** | **0.119** |
| LTE Band 13_Ant 0 | | Front | 0.261 | | 0.008 | 0.021 | 0.216 | 0.057 | | **0.269** | **0.282** | **0.477** | **0.318** | **0.008** | **0.021** | **0.216** | **0.057** |
| | | Back | 0.280 | | 0.042 | 0.162 | 0.443 | 0.061 | | **0.322** | **0.442** | **0.723** | **0.341** | **0.042** | **0.162** | **0.443** | **0.061** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | 0.699 | | 0.041 | 0.167 | 0.362 | 0.119 | | **0.740** | **0.866** | **1.061** | **0.818** | **0.041** | **0.167** | **0.362** | **0.119** |
| LTE Band 14_Ant 0 | | Front | 0.214 | | 0.008 | 0.021 | 0.216 | 0.057 | | **0.222** | **0.235** | **0.430** | **0.271** | **0.008** | **0.021** | **0.216** | **0.057** |
| | | Back | 0.277 | | 0.042 | 0.162 | 0.443 | 0.061 | | **0.319** | **0.439** | **0.720** | **0.338** | **0.042** | **0.162** | **0.443** | **0.061** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | 0.584 | | 0.041 | 0.167 | 0.362 | 0.119 | | **0.625** | **0.751** | **0.946** | **0.703** | **0.041** | **0.167** | **0.362** | **0.119** |
| LTE Band 25_Ant 2 | | Front | 0.242 | | 0.008 | 0.021 | 0.216 | 0.057 | | **0.250** | **0.263** | **0.458** | **0.299** | **0.008** | **0.021** | **0.216** | **0.057** |
| | | Back | 0.336 | | 0.042 | 0.162 | 0.443 | 0.061 | | **0.378** | **0.498** | **0.779** | **0.397** | **0.042** | **0.162** | **0.443** | **0.061** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | 0.549 | | 0.041 | 0.167 | 0.362 | 0.119 | | **0.590** | **0.716** | **0.911** | **0.668** | **0.041** | **0.167** | **0.362** | **0.119** |
| LTE Band 25_Ant 4 | | Front | 0.038 | | 0.008 | 0.021 | 0.216 | 0.057 | | **0.046** | **0.059** | **0.254** | **0.095** | **0.008** | **0.021** | **0.216** | **0.057** |
| | | Back | 0.355 | | 0.042 | 0.162 | 0.443 | 0.061 | | **0.397** | **0.517** | **0.798** | **0.416** | **0.042** | **0.162** | **0.443** | **0.061** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | 0.833 | | 0.041 | 0.167 | 0.362 | 0.119 | | **0.874** | **1.000** | **1.195** | **0.952** | **0.041** | **0.167** | **0.362** | **0.119** |
| LTE Band 26_Ant 4 | | Front | 0.199 | | 0.008 | 0.021 | 0.216 | 0.057 | | **0.207** | **0.220** | **0.415** | **0.256** | **0.008** | **0.021** | **0.216** | **0.057** |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Back | 0.187 | | 0.042 | 0.162 | 0.443 | 0.061 | | **0.229** | **0.349** | **0.630** | **0.248** | **0.042** | **0.162** | **0.443** | **0.061** |
| | | Front with Soft Holster | 0.344 | | | | | | | **0.344** | **0.344** | **0.344** | **0.344** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | | | 0.041 | 0.167 | 0.362 | 0.119 | | **0.041** | **0.167** | **0.362** | **0.119** | **0.041** | **0.167** | **0.362** | **0.119** |
| LTE Band 41_Ant 6 | | Front | 0.095 | | 0.008 | 0.021 | 0.216 | 0.057 | | **0.103** | **0.116** | **0.311** | **0.152** | **0.008** | **0.021** | **0.216** | **0.057** |
| | | Back | 0.307 | | 0.042 | 0.162 | 0.443 | 0.061 | | **0.349** | **0.469** | **0.750** | **0.368** | **0.042** | **0.162** | **0.443** | **0.061** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | 0.367 | | 0.041 | 0.167 | 0.362 | 0.119 | | **0.408** | **0.534** | **0.729** | **0.486** | **0.041** | **0.167** | **0.362** | **0.119** |
| LTE Band 48_Ant 12 | FR1 n25_Ant 2 | Front | 0.064 | 0.075 | 0.008 | 0.021 | 0.216 | 0.057 | | **0.072** | **0.085** | **0.280** | **0.121** | **0.083** | **0.096** | **0.291** | **0.132** |
| | | Back | 0.336 | 0.155 | 0.042 | 0.162 | 0.443 | 0.061 | | **0.378** | **0.498** | **0.779** | **0.397** | **0.197** | **0.317** | **0.598** | **0.216** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | 0.058 | 0.090 | 0.041 | 0.167 | 0.362 | 0.119 | | **0.099** | **0.225** | **0.420** | **0.177** | **0.131** | **0.257** | **0.452** | **0.209** |
| LTE Band 48_Ant 11 | FR1 n25_Ant 4 | Front | 0.227 | 0.091 | 0.008 | 0.021 | 0.216 | 0.057 | | **0.235** | **0.248** | **0.443** | **0.284** | **0.099** | **0.112** | **0.307** | **0.148** |
| | | Back | 0.072 | 0.391 | 0.042 | 0.162 | 0.443 | 0.061 | | **0.114** | **0.234** | **0.515** | **0.133** | **0.433** | **0.553** | **0.834** | **0.452** |
| | | Front with Soft Holster | 0.081 | | | | | | | **0.081** | **0.081** | **0.081** | **0.081** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | | 1.055 | 0.041 | 0.167 | 0.362 | 0.119 | | **0.041** | **0.167** | **0.362** | **0.119** | **1.096** | **1.222** | **1.417** | **1.174** |
| LTE Band 66_Ant 2 | FR1 n26_Ant 4 | Front | 0.114 | 0.191 | 0.008 | 0.021 | 0.216 | 0.057 | | **0.122** | **0.135** | **0.330** | **0.171** | **0.199** | **0.212** | **0.407** | **0.248** |
| | | Back | 0.211 | 0.229 | 0.042 | 0.162 | 0.443 | 0.061 | | **0.253** | **0.373** | **0.654** | **0.272** | **0.271** | **0.391** | **0.672** | **0.290** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | 0.361 | 0.418 | 0.041 | 0.167 | 0.362 | 0.119 | | **0.402** | **0.528** | **0.723** | **0.480** | **0.459** | **0.585** | **0.780** | **0.537** |
| LTE Band 66_Ant 4 | FR1 n41_Ant 6 | Front | 0.073 | | 0.008 | 0.021 | 0.216 | 0.057 | | **0.081** | **0.094** | **0.289** | **0.130** | **0.008** | **0.021** | **0.216** | **0.057** |
| | | Back | 0.340 | | 0.042 | 0.162 | 0.443 | 0.061 | | **0.382** | **0.502** | **0.783** | **0.401** | **0.042** | **0.162** | **0.443** | **0.061** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | 0.157 | | 0.041 | 0.167 | 0.362 | 0.119 | | **0.198** | **0.324** | **0.519** | **0.276** | **0.041** | **0.167** | **0.362** | **0.119** |
| LTE Band 71_Ant 0 | FR1 n41_Ant 12 | Front | 0.439 | | 0.008 | 0.021 | 0.216 | 0.057 | | **0.447** | **0.460** | **0.655** | **0.496** | **0.008** | **0.021** | **0.216** | **0.057** |
| | | Back | 0.447 | | 0.042 | 0.162 | 0.443 | 0.061 | | **0.489** | **0.609** | **0.890** | **0.508** | **0.042** | **0.162** | **0.443** | **0.061** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | 0.482 | | 0.041 | 0.167 | 0.362 | 0.119 | | **0.523** | **0.649** | **0.844** | **0.601** | **0.041** | **0.167** | **0.362** | **0.119** |
| FR1 n7_Ant 6 | FR1 n41_Ant 1 | Front | 0.076 | 0.248 | 0.008 | 0.021 | 0.216 | 0.057 | | **0.084** | **0.097** | **0.292** | **0.133** | **0.256** | **0.269** | **0.464** | **0.305** |
| | | Back | 0.258 | 0.119 | 0.042 | 0.162 | 0.443 | 0.061 | | **0.300** | **0.420** | **0.701** | **0.319** | **0.161** | **0.281** | **0.562** | **0.180** |
| | | Front with Soft Holster | | 0.179 | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.179** | **0.179** | **0.179** | **0.179** |
| | | Back with Soft Holster | 0.175 | | 0.041 | 0.167 | 0.362 | 0.119 | | **0.216** | **0.342** | **0.537** | **0.294** | **0.041** | **0.167** | **0.362** | **0.119** |
| FR1 n12_Ant 0 | FR1 n41_Ant 7 | Front | 0.140 | | 0.008 | 0.021 | 0.216 | 0.057 | | **0.148** | **0.161** | **0.356** | **0.197** | **0.008** | **0.021** | **0.216** | **0.057** |
| | | Back | 0.173 | | 0.042 | 0.162 | 0.443 | 0.061 | | **0.215** | **0.335** | **0.616** | **0.234** | **0.042** | **0.162** | **0.443** | **0.061** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | 0.328 | | 0.041 | 0.167 | 0.362 | 0.119 | | **0.369** | **0.495** | **0.690** | **0.447** | **0.041** | **0.167** | **0.362** | **0.119** |
| FR1 n13_Ant 0 | FR1 n48_Ant 12 | Front | 0.266 | 0.195 | 0.008 | 0.021 | 0.216 | 0.057 | | **0.274** | **0.287** | **0.482** | **0.323** | **0.203** | **0.216** | **0.411** | **0.252** |
| | | Back | 0.273 | 0.360 | 0.042 | 0.162 | 0.443 | 0.061 | | **0.315** | **0.435** | **0.716** | **0.334** | **0.402** | **0.522** | **0.803** | **0.421** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | 0.616 | 0.424 | 0.041 | 0.167 | 0.362 | 0.119 | | **0.657** | **0.783** | **0.978** | **0.735** | **0.465** | **0.591** | **0.786** | **0.543** |
| FR1 n14_Ant 0 | FR1 n48_Ant 11 | Front | 0.191 | 0.101 | 0.008 | 0.021 | 0.216 | 0.057 | | **0.199** | **0.212** | **0.407** | **0.248** | **0.109** | **0.122** | **0.317** | **0.158** |
| | | Back | 0.232 | 0.090 | 0.042 | 0.162 | 0.443 | 0.061 | | **0.274** | **0.394** | **0.675** | **0.293** | **0.132** | **0.252** | **0.533** | **0.151** |
| | | Front with Soft Holster | | 0.222 | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.222** | **0.222** | **0.222** | **0.222** |
| | | Back with Soft Holster | 0.467 | | 0.041 | 0.167 | 0.362 | 0.119 | | **0.508** | **0.634** | **0.829** | **0.586** | **0.041** | **0.167** | **0.362** | **0.119** |
| 0 | FR1 n66_Ant 2 | Front | | 0.131 | 0.008 | 0.021 | 0.216 | 0.057 | | **0.008** | **0.021** | **0.216** | **0.057** | **0.139** | **0.152** | **0.347** | **0.188** |
| | | Back | | 0.338 | 0.042 | 0.162 | 0.443 | 0.061 | | **0.042** | **0.162** | **0.443** | **0.061** | **0.380** | **0.500** | **0.781** | **0.399** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | | 0.570 | 0.041 | 0.167 | 0.362 | 0.119 | | **0.041** | **0.167** | **0.362** | **0.119** | **0.611** | **0.737** | **0.932** | **0.689** |
| 0 | FR1 n66_Ant 4 | Front | | 0.098 | 0.008 | 0.021 | 0.216 | 0.057 | | **0.008** | **0.021** | **0.216** | **0.057** | **0.106** | **0.119** | **0.314** | **0.155** |
| | | Back | | 0.298 | 0.042 | 0.162 | 0.443 | 0.061 | | **0.042** | **0.162** | **0.443** | **0.061** | **0.340** | **0.460** | **0.741** | **0.359** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | | 0.914 | 0.041 | 0.167 | 0.362 | 0.119 | | **0.041** | **0.167** | **0.362** | **0.119** | **0.955** | **1.081** | **1.276** | **1.033** |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | FR1 n71_Ant 0 | Front | | 0.114 | 0.008 | 0.021 | 0.216 | 0.057 | | **0.008** | **0.021** | **0.216** | **0.057** | **0.122** | **0.135** | **0.330** | **0.171** |
| | | Back | | 0.132 | 0.042 | 0.162 | 0.443 | 0.061 | | **0.042** | **0.162** | **0.443** | **0.061** | **0.174** | **0.294** | **0.575** | **0.193** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | | 0.210 | 0.041 | 0.167 | 0.362 | 0.119 | | **0.041** | **0.167** | **0.362** | **0.119** | **0.251** | **0.377** | **0.572** | **0.329** |
| 0 | FR1 n77_Ant 12 | Front | | 0.044 | 0.008 | 0.021 | 0.216 | 0.057 | | **0.008** | **0.021** | **0.216** | **0.057** | **0.052** | **0.065** | **0.260** | **0.101** |
| | | Back | | 0.362 | 0.042 | 0.162 | 0.443 | 0.061 | | **0.042** | **0.162** | **0.443** | **0.061** | **0.404** | **0.524** | **0.805** | **0.423** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | | 0.599 | 0.041 | 0.167 | 0.362 | 0.119 | | **0.041** | **0.167** | **0.362** | **0.119** | **0.640** | **0.766** | **0.961** | **0.718** |
| 0 | FR1 n77_Ant 11 | Front | | 0.357 | 0.008 | 0.021 | 0.216 | 0.057 | | **0.008** | **0.021** | **0.216** | **0.057** | **0.365** | **0.378** | **0.573** | **0.414** |
| | | Back | | 0.386 | 0.042 | 0.162 | 0.443 | 0.061 | | **0.042** | **0.162** | **0.443** | **0.061** | **0.428** | **0.548** | **0.829** | **0.447** |
| | | Front with Soft Holster | | 0.444 | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.444** | **0.444** | **0.444** | **0.444** |
| | | Back with Soft Holster | | 0.500 | 0.041 | 0.167 | 0.362 | 0.119 | | **0.041** | **0.167** | **0.362** | **0.119** | **0.541** | **0.667** | **0.862** | **0.619** |
| 0 | FR1 n77_Ant 5 | Front | | 0.087 | 0.008 | 0.021 | 0.216 | 0.057 | | **0.008** | **0.021** | **0.216** | **0.057** | **0.095** | **0.108** | **0.303** | **0.144** |
| | | Back | | 0.389 | 0.042 | 0.162 | 0.443 | 0.061 | | **0.042** | **0.162** | **0.443** | **0.061** | **0.431** | **0.551** | **0.832** | **0.450** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | | 0.219 | 0.041 | 0.167 | 0.362 | 0.119 | | **0.041** | **0.167** | **0.362** | **0.119** | **0.260** | **0.386** | **0.581** | **0.338** |
| 0 | FR1 n77_Ant 3 | Front | | 0.210 | 0.008 | 0.021 | 0.216 | 0.057 | | **0.008** | **0.021** | **0.216** | **0.057** | **0.218** | **0.231** | **0.426** | **0.267** |
| | | Back | | 0.334 | 0.042 | 0.162 | 0.443 | 0.061 | | **0.042** | **0.162** | **0.443** | **0.061** | **0.376** | **0.496** | **0.777** | **0.395** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | | 0.393 | 0.041 | 0.167 | 0.362 | 0.119 | | **0.041** | **0.167** | **0.362** | **0.119** | **0.434** | **0.560** | **0.755** | **0.512** |

<DBS>

| WWAN Band | FR1 Band | Exposure Position | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 1+4+5 Summed 1g SAR (W/kg) | 1+4+6 Summed 1g SAR (W/kg) | 1+3+5+7 Summed 1g SAR (W/kg) | 1+3+6+7 Summed 1g SAR (W/kg) | 2+4+5 Summed 1g SAR (W/kg) | 2+4+6 Summed 1g SAR (W/kg) | 2+3+5+7 Summed 1g SAR (W/kg) | 2+3+6+7 Summed 1g SAR (W/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | WWAN | FR1 | WLAN2.4GHz Ant 8 | WLAN2.4GHz Ant 9+8 | WLAN5GHz Ant 9+8 | WLAN6GHz Ant 9+8 | Bluetooth Ant 9 | | | | | | | | |
| | | | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | | | | | | | | |
| GSM850_Ant 4 | | Front | 0.237 | | 0.008 | 0.021 | 0.216 | 0.057 | | 0.474 | 0.315 | 0.461 | 0.302 | 0.237 | 0.078 | 0.224 | 0.065 |
| | | Back | 0.365 | | 0.042 | 0.162 | 0.443 | 0.061 | | 0.970 | 0.588 | 0.850 | 0.468 | 0.605 | 0.223 | 0.485 | 0.103 |
| | | Front with Soft Holster | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | Back with Soft Holster | 0.804 | | 0.041 | 0.167 | 0.362 | 0.119 | | 1.333 | 1.090 | 1.207 | 0.964 | 0.529 | 0.286 | 0.403 | 0.160 |
| GSM1900_Ant 4 | | Front | 0.095 | | 0.008 | 0.021 | 0.216 | 0.057 | | 0.332 | 0.173 | 0.319 | 0.160 | 0.237 | 0.078 | 0.224 | 0.065 |
| | | Back | 0.439 | | 0.042 | 0.162 | 0.443 | 0.061 | | 1.044 | 0.662 | 0.924 | 0.542 | 0.605 | 0.223 | 0.485 | 0.103 |
| | | Front with Soft Holster | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | Back with Soft Holster | 0.232 | | 0.041 | 0.167 | 0.362 | 0.119 | | 0.761 | 0.518 | 0.635 | 0.392 | 0.529 | 0.286 | 0.403 | 0.160 |
| WCDMA II_Ant 2 | | Front | 0.235 | | 0.008 | 0.021 | 0.216 | 0.057 | | 0.472 | 0.313 | 0.459 | 0.300 | 0.237 | 0.078 | 0.224 | 0.065 |
| | | Back | 0.369 | | 0.042 | 0.162 | 0.443 | 0.061 | | 0.974 | 0.592 | 0.854 | 0.472 | 0.605 | 0.223 | 0.485 | 0.103 |
| | | Front with Soft Holster | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | Back with Soft Holster | 0.565 | | 0.041 | 0.167 | 0.362 | 0.119 | | 1.094 | 0.851 | 0.968 | 0.725 | 0.529 | 0.286 | 0.403 | 0.160 |
| WCDMA IV_Ant 2 | | Front | 0.156 | | 0.008 | 0.021 | 0.216 | 0.057 | | 0.393 | 0.234 | 0.380 | 0.221 | 0.237 | 0.078 | 0.224 | 0.065 |
| | | Back | 0.467 | | 0.042 | 0.162 | 0.443 | 0.061 | | 1.072 | 0.690 | 0.952 | 0.570 | 0.605 | 0.223 | 0.485 | 0.103 |
| | | Front with Soft Holster | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | Back with Soft Holster | 0.477 | | 0.041 | 0.167 | 0.362 | 0.119 | | 1.006 | 0.763 | 0.880 | 0.637 | 0.529 | 0.286 | 0.403 | 0.160 |
| WCDMA V_Ant 4 | | Front | 0.411 | | 0.008 | 0.021 | 0.216 | 0.057 | | 0.648 | 0.489 | 0.635 | 0.476 | 0.237 | 0.078 | 0.224 | 0.065 |
| | | Back | 0.394 | | 0.042 | 0.162 | 0.443 | 0.061 | | 0.999 | 0.617 | 0.879 | 0.497 | 0.605 | 0.223 | 0.485 | 0.103 |
| | | Front with Soft Holster | 0.616 | | | | | | | 0.616 | 0.616 | 0.616 | 0.616 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | Back with Soft Holster | | | 0.041 | 0.167 | 0.362 | 0.119 | | 0.529 | 0.286 | 0.403 | 0.160 | 0.529 | 0.286 | 0.403 | 0.160 |
| LTE Band 7_Ant 6 | | Front | 0.058 | | 0.008 | 0.021 | 0.216 | 0.057 | | 0.295 | 0.136 | 0.282 | 0.123 | 0.237 | 0.078 | 0.224 | 0.065 |
| | | Back | 0.155 | | 0.042 | 0.162 | 0.443 | 0.061 | | 0.760 | 0.378 | 0.640 | 0.258 | 0.605 | 0.223 | 0.485 | 0.103 |
| | | Front with Soft Holster | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | Back with Soft Holster | 0.191 | | 0.041 | 0.167 | 0.362 | 0.119 | | 0.720 | 0.477 | 0.594 | 0.351 | 0.529 | 0.286 | 0.403 | 0.160 |
| LTE Band 12_Ant 0 | | Front | 0.077 | | 0.008 | 0.021 | 0.216 | 0.057 | | 0.314 | 0.155 | 0.301 | 0.142 | 0.237 | 0.078 | 0.224 | 0.065 |
| | | Back | 0.160 | | 0.042 | 0.162 | 0.443 | 0.061 | | 0.765 | 0.383 | 0.645 | 0.263 | 0.605 | 0.223 | 0.485 | 0.103 |
| | | Front with Soft Holster | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | Back with Soft Holster | 0.101 | | 0.041 | 0.167 | 0.362 | 0.119 | | 0.630 | 0.387 | 0.504 | 0.261 | 0.529 | 0.286 | 0.403 | 0.160 |
| LTE Band 13_Ant 0 | | Front | 0.261 | | 0.008 | 0.021 | 0.216 | 0.057 | | 0.498 | 0.339 | 0.485 | 0.326 | 0.237 | 0.078 | 0.224 | 0.065 |
| | | Back | 0.280 | | 0.042 | 0.162 | 0.443 | 0.061 | | 0.885 | 0.503 | 0.765 | 0.383 | 0.605 | 0.223 | 0.485 | 0.103 |
| | | Front with Soft Holster | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | Back with Soft Holster | 0.699 | | 0.041 | 0.167 | 0.362 | 0.119 | | 1.228 | 0.985 | 1.102 | 0.859 | 0.529 | 0.286 | 0.403 | 0.160 |
| LTE Band 14_Ant 0 | | Front | 0.214 | | 0.008 | 0.021 | 0.216 | 0.057 | | 0.451 | 0.292 | 0.438 | 0.279 | 0.237 | 0.078 | 0.224 | 0.065 |
| | | Back | 0.277 | | 0.042 | 0.162 | 0.443 | 0.061 | | 0.882 | 0.500 | 0.762 | 0.380 | 0.605 | 0.223 | 0.485 | 0.103 |
| | | Front with Soft Holster | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | Back with Soft Holster | 0.584 | | 0.041 | 0.167 | 0.362 | 0.119 | | 1.113 | 0.870 | 0.987 | 0.744 | 0.529 | 0.286 | 0.403 | 0.160 |
| LTE Band 25_Ant 2 | | Front | 0.242 | | 0.008 | 0.021 | 0.216 | 0.057 | | 0.479 | 0.320 | 0.466 | 0.307 | 0.237 | 0.078 | 0.224 | 0.065 |
| | | Back | 0.336 | | 0.042 | 0.162 | 0.443 | 0.061 | | 0.941 | 0.559 | 0.821 | 0.439 | 0.605 | 0.223 | 0.485 | 0.103 |
| | | Front with Soft Holster | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | Back with Soft Holster | 0.549 | | 0.041 | 0.167 | 0.362 | 0.119 | | 1.078 | 0.835 | 0.952 | 0.709 | 0.529 | 0.286 | 0.403 | 0.160 |
| LTE Band 25_Ant 4 | | Front | 0.038 | | 0.008 | 0.021 | 0.216 | 0.057 | | 0.275 | 0.116 | 0.262 | 0.103 | 0.237 | 0.078 | 0.224 | 0.065 |
| | | Back | 0.355 | | 0.042 | 0.162 | 0.443 | 0.061 | | 0.960 | 0.578 | 0.840 | 0.458 | 0.605 | 0.223 | 0.485 | 0.103 |
| | | Front with Soft Holster | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | Back with Soft Holster | 0.833 | | 0.041 | 0.167 | 0.362 | 0.119 | | 1.362 | 1.119 | 1.236 | 0.993 | 0.529 | 0.286 | 0.403 | 0.160 |
| LTE Band 26_Ant 4 | | Front | 0.199 | | 0.008 | 0.021 | 0.216 | 0.057 | | 0.436 | 0.277 | 0.423 | 0.264 | 0.237 | 0.078 | 0.224 | 0.065 |
| | | Back | 0.187 | | 0.042 | 0.162 | 0.443 | 0.061 | | 0.792 | 0.410 | 0.672 | 0.290 | 0.605 | 0.223 | 0.485 | 0.103 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Front with Soft Holster | 0.344 | | | | | | | 0.344 | 0.344 | 0.344 | 0.344 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | Back with Soft Holster | | | 0.041 | 0.167 | 0.362 | 0.119 | | 0.529 | 0.286 | 0.403 | 0.160 | 0.529 | 0.286 | 0.403 | 0.160 |
| LTE Band 41_Ant 6 | | Front | 0.095 | | 0.008 | 0.021 | 0.216 | 0.057 | | 0.332 | 0.173 | 0.319 | 0.160 | 0.237 | 0.078 | 0.224 | 0.065 |
| | | Back | 0.307 | | 0.042 | 0.162 | 0.443 | 0.061 | | 0.912 | 0.530 | 0.792 | 0.410 | 0.605 | 0.223 | 0.485 | 0.103 |
| | | Front with Soft Holster | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | Back with Soft Holster | 0.367 | | 0.041 | 0.167 | 0.362 | 0.119 | | 0.896 | 0.653 | 0.770 | 0.527 | 0.529 | 0.286 | 0.403 | 0.160 |
| LTE Band 48_Ant 12 | FR1 n25_Ant 2 | Front | 0.064 | 0.075 | 0.008 | 0.021 | 0.216 | 0.057 | | 0.301 | 0.142 | 0.288 | 0.129 | 0.312 | 0.153 | 0.299 | 0.140 |
| | | Back | 0.336 | 0.155 | 0.042 | 0.162 | 0.443 | 0.061 | | 0.941 | 0.559 | 0.821 | 0.439 | 0.760 | 0.378 | 0.640 | 0.258 |
| | | Front with Soft Holster | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | Back with Soft Holster | 0.058 | 0.090 | 0.041 | 0.167 | 0.362 | 0.119 | | 0.587 | 0.344 | 0.461 | 0.218 | 0.619 | 0.376 | 0.493 | 0.250 |
| LTE Band 48_Ant 11 | FR1 n25_Ant 4 | Front | 0.227 | 0.091 | 0.008 | 0.021 | 0.216 | 0.057 | | 0.464 | 0.305 | 0.451 | 0.292 | 0.328 | 0.169 | 0.315 | 0.156 |
| | | Back | 0.072 | 0.391 | 0.042 | 0.162 | 0.443 | 0.061 | | 0.677 | 0.295 | 0.557 | 0.175 | 0.996 | 0.614 | 0.876 | 0.494 |
| | | Front with Soft Holster | 0.081 | | | | | | | 0.081 | 0.081 | 0.081 | 0.081 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | Back with Soft Holster | | 1.055 | 0.041 | 0.167 | 0.362 | 0.119 | | 0.529 | 0.286 | 0.403 | 0.160 | 1.584 | 1.341 | 1.458 | 1.215 |
| LTE Band 66_Ant 2 | FR1 n26_Ant 4 | Front | 0.114 | 0.191 | 0.008 | 0.021 | 0.216 | 0.057 | | 0.351 | 0.192 | 0.338 | 0.179 | 0.428 | 0.269 | 0.415 | 0.256 |
| | | Back | 0.211 | 0.229 | 0.042 | 0.162 | 0.443 | 0.061 | | 0.816 | 0.434 | 0.696 | 0.314 | 0.834 | 0.452 | 0.714 | 0.332 |
| | | Front with Soft Holster | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | Back with Soft Holster | 0.361 | 0.418 | 0.041 | 0.167 | 0.362 | 0.119 | | 0.890 | 0.647 | 0.764 | 0.521 | 0.947 | 0.704 | 0.821 | 0.578 |
| LTE Band 66_Ant 4 | FR1 n41_Ant 6 | Front | 0.073 | | 0.008 | 0.021 | 0.216 | 0.057 | | 0.310 | 0.151 | 0.297 | 0.138 | 0.237 | 0.078 | 0.224 | 0.065 |
| | | Back | 0.340 | | 0.042 | 0.162 | 0.443 | 0.061 | | 0.945 | 0.563 | 0.825 | 0.443 | 0.605 | 0.223 | 0.485 | 0.103 |
| | | Front with Soft Holster | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | Back with Soft Holster | 0.157 | | 0.041 | 0.167 | 0.362 | 0.119 | | 0.686 | 0.443 | 0.560 | 0.317 | 0.529 | 0.286 | 0.403 | 0.160 |
| LTE Band 71_Ant 0 | FR1 n41_Ant 12 | Front | 0.439 | | 0.008 | 0.021 | 0.216 | 0.057 | | 0.676 | 0.517 | 0.663 | 0.504 | 0.237 | 0.078 | 0.224 | 0.065 |
| | | Back | 0.447 | | 0.042 | 0.162 | 0.443 | 0.061 | | 1.052 | 0.670 | 0.932 | 0.550 | 0.605 | 0.223 | 0.485 | 0.103 |
| | | Front with Soft Holster | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | Back with Soft Holster | 0.482 | | 0.041 | 0.167 | 0.362 | 0.119 | | 1.011 | 0.768 | 0.885 | 0.642 | 0.529 | 0.286 | 0.403 | 0.160 |
| FR1 n7_Ant 6 | FR1 n41_Ant 1 | Front | 0.076 | 0.248 | 0.008 | 0.021 | 0.216 | 0.057 | | 0.313 | 0.154 | 0.300 | 0.141 | 0.485 | 0.326 | 0.472 | 0.313 |
| | | Back | 0.258 | 0.119 | 0.042 | 0.162 | 0.443 | 0.061 | | 0.863 | 0.481 | 0.743 | 0.361 | 0.724 | 0.342 | 0.604 | 0.222 |
| | | Front with Soft Holster | | 0.179 | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.179 | 0.179 | 0.179 | 0.179 |
| | | Back with Soft Holster | 0.175 | | 0.041 | 0.167 | 0.362 | 0.119 | | 0.704 | 0.461 | 0.578 | 0.335 | 0.529 | 0.286 | 0.403 | 0.160 |
| FR1 n12_Ant 0 | FR1 n41_Ant 7 | Front | 0.140 | | 0.008 | 0.021 | 0.216 | 0.057 | | 0.377 | 0.218 | 0.364 | 0.205 | 0.237 | 0.078 | 0.224 | 0.065 |
| | | Back | 0.173 | | 0.042 | 0.162 | 0.443 | 0.061 | | 0.778 | 0.396 | 0.658 | 0.276 | 0.605 | 0.223 | 0.485 | 0.103 |
| | | Front with Soft Holster | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | Back with Soft Holster | 0.328 | | 0.041 | 0.167 | 0.362 | 0.119 | | 0.857 | 0.614 | 0.731 | 0.488 | 0.529 | 0.286 | 0.403 | 0.160 |
| FR1 n13_Ant 0 | FR1 n48_Ant 12 | Front | 0.266 | 0.195 | 0.008 | 0.021 | 0.216 | 0.057 | | 0.503 | 0.344 | 0.490 | 0.331 | 0.432 | 0.273 | 0.419 | 0.260 |
| | | Back | 0.273 | 0.360 | 0.042 | 0.162 | 0.443 | 0.061 | | 0.878 | 0.496 | 0.758 | 0.376 | 0.965 | 0.583 | 0.845 | 0.463 |
| | | Front with Soft Holster | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | Back with Soft Holster | 0.616 | 0.424 | 0.041 | 0.167 | 0.362 | 0.119 | | 1.145 | 0.902 | 1.019 | 0.776 | 0.953 | 0.710 | 0.827 | 0.584 |
| FR1 n14_Ant 0 | FR1 n48_Ant 11 | Front | 0.191 | 0.101 | 0.008 | 0.021 | 0.216 | 0.057 | | 0.428 | 0.269 | 0.415 | 0.256 | 0.338 | 0.179 | 0.325 | 0.166 |
| | | Back | 0.232 | 0.090 | 0.042 | 0.162 | 0.443 | 0.061 | | 0.837 | 0.455 | 0.717 | 0.335 | 0.695 | 0.313 | 0.575 | 0.193 |
| | | Front with Soft Holster | | 0.222 | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.222 | 0.222 | 0.222 | 0.222 |
| | | Back with Soft Holster | 0.467 | | 0.041 | 0.167 | 0.362 | 0.119 | | 0.996 | 0.753 | 0.870 | 0.627 | 0.529 | 0.286 | 0.403 | 0.160 |
| | FR1 n66_Ant 2 | Front | | 0.131 | 0.008 | 0.021 | 0.216 | 0.057 | | 0.237 | 0.078 | 0.224 | 0.065 | 0.368 | 0.209 | 0.355 | 0.196 |
| | | Back | | 0.338 | 0.042 | 0.162 | 0.443 | 0.061 | | 0.605 | 0.223 | 0.485 | 0.103 | 0.943 | 0.561 | 0.823 | 0.441 |
| | | Front with Soft Holster | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | Back with Soft Holster | | 0.570 | 0.041 | 0.167 | 0.362 | 0.119 | | 0.529 | 0.286 | 0.403 | 0.160 | 1.099 | 0.856 | 0.973 | 0.730 |
| | FR1 n66_Ant 4 | Front | | 0.098 | 0.008 | 0.021 | 0.216 | 0.057 | | 0.237 | 0.078 | 0.224 | 0.065 | 0.335 | 0.176 | 0.322 | 0.163 |
| | | Back | | 0.298 | 0.042 | 0.162 | 0.443 | 0.061 | | 0.605 | 0.223 | 0.485 | 0.103 | 0.903 | 0.521 | 0.783 | 0.401 |
| | | Front with Soft Holster | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | Back with Soft Holster | | 0.914 | 0.041 | 0.167 | 0.362 | 0.119 | | 0.529 | 0.286 | 0.403 | 0.160 | 1.443 | 1.200 | 1.317 | 1.074 |
| | | Front | | 0.114 | 0.008 | 0.021 | 0.216 | 0.057 | | 0.237 | 0.078 | 0.224 | 0.065 | 0.351 | 0.192 | 0.338 | 0.179 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FR1 n71_Ant 0 | Back | | 0.132 | 0.042 | 0.162 | 0.443 | 0.061 | | **0.605** | **0.223** | **0.485** | **0.103** | **0.737** | **0.355** | **0.617** | **0.235** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | | 0.210 | 0.041 | 0.167 | 0.362 | 0.119 | | **0.529** | **0.286** | **0.403** | **0.160** | **0.739** | **0.496** | **0.613** | **0.370** |
| | FR1 n77_Ant 12 | Front | | 0.044 | 0.008 | 0.021 | 0.216 | 0.057 | | **0.237** | **0.078** | **0.224** | **0.065** | **0.281** | **0.122** | **0.268** | **0.109** |
| | | Back | | 0.362 | 0.042 | 0.162 | 0.443 | 0.061 | | **0.605** | **0.223** | **0.485** | **0.103** | **0.967** | **0.585** | **0.847** | **0.465** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | | 0.599 | 0.041 | 0.167 | 0.362 | 0.119 | | **0.529** | **0.286** | **0.403** | **0.160** | **1.128** | **0.885** | **1.002** | **0.759** |
| | FR1 n77_Ant 11 | Front | | 0.357 | 0.008 | 0.021 | 0.216 | 0.057 | | **0.237** | **0.078** | **0.224** | **0.065** | **0.594** | **0.435** | **0.581** | **0.422** |
| | | Back | | 0.386 | 0.042 | 0.162 | 0.443 | 0.061 | | **0.605** | **0.223** | **0.485** | **0.103** | **0.991** | **0.609** | **0.871** | **0.489** |
| | | Front with Soft Holster | | 0.444 | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.444** | **0.444** | **0.444** | **0.444** |
| | | Back with Soft Holster | | 0.500 | 0.041 | 0.167 | 0.362 | 0.119 | | **0.529** | **0.286** | **0.403** | **0.160** | **1.029** | **0.786** | **0.903** | **0.660** |
| | FR1 n77_Ant 5 | Front | | 0.087 | 0.008 | 0.021 | 0.216 | 0.057 | | **0.237** | **0.078** | **0.224** | **0.065** | **0.324** | **0.165** | **0.311** | **0.152** |
| | | Back | | 0.389 | 0.042 | 0.162 | 0.443 | 0.061 | | **0.605** | **0.223** | **0.485** | **0.103** | **0.994** | **0.612** | **0.874** | **0.492** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | | 0.219 | 0.041 | 0.167 | 0.362 | 0.119 | | **0.529** | **0.286** | **0.403** | **0.160** | **0.748** | **0.505** | **0.622** | **0.379** |
| | FR1 n77_Ant 3 | Front | | 0.210 | 0.008 | 0.021 | 0.216 | 0.057 | | **0.237** | **0.078** | **0.224** | **0.065** | **0.447** | **0.288** | **0.434** | **0.275** |
| | | Back | | 0.334 | 0.042 | 0.162 | 0.443 | 0.061 | | **0.605** | **0.223** | **0.485** | **0.103** | **0.939** | **0.557** | **0.819** | **0.437** |
| | | Front with Soft Holster | | | | | | | | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |
| | | Back with Soft Holster | | 0.393 | 0.041 | 0.167 | 0.362 | 0.119 | | **0.529** | **0.286** | **0.403** | **0.160** | **0.922** | **0.679** | **0.796** | **0.553** |

## 17.4 Product Specific Exposure Conditions

| WWAN Band | Exposure Position | 1 | 2 | 3 | 1+2 Summed 10g SAR (W/kg) | 1+3 Summed 10g SAR (W/kg) |
|---|---|---|---|---|---|---|
| | | WWAN | WLAN5GHz Ant 9+8 | WLAN6GHz Ant 9+8 | | |
| | | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | | |
| FR1 n41_HPUE_Ant 6 | Front | | 0.261 | 0.093 | **0.261** | **0.093** |
| | Back | | 0.593 | 0.232 | **0.593** | **0.232** |
| | Left side | 1.656 | 2.334 | 0.353 | **3.990** | **2.009** |
| | Right side | | 1.017 | 0.476 | **1.017** | **0.476** |
| | Top side | | 0.224 | 0.071 | **0.224** | **0.071** |
| | Bottom side | | | | **0.000** | **0.000** |
| FR1 n41_Ant 1 | Front | 1.644 | 0.261 | 0.093 | **0.261** | **0.093** |
| | Back | | 0.593 | 0.232 | **0.593** | **0.232** |
| | Left side | 1.644 | 2.334 | 0.353 | **2.334** | **0.353** |
| | Right side | | 1.017 | 0.476 | **2.058** | **1.517** |
| | Top side | | 0.224 | 0.071 | **0.224** | **0.071** |
| | Bottom side | | | | **0.000** | **0.000** |

# 1. Supplemental Antenna tuner tests results

**General Note:**

1. This device implements antenna tuning techniques in the several frequency band and list as below. SAR test proposal was measured according to the normally required SAR configurations with the tuner active and worst tune state (auto tune) was used for SAR testing and this design will provide the highest power at different user scenarios and would not influence to the antenna characteristics other than impedance matching.
2. The following test procedure was followed to demonstrate that the SAR results in this report represent the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR will be measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Additional single point SAR time-sweep measurements will be evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values.
3. Dynamic antenna tuning mechanism is available at Ant. 0 / 4 and for its < 2GHz band, details are illustrated in the operational description. In this section, all supported tuning states for each band are tested and it's verified that auto-tune state results in the highest SAR
4. The tuner state was established remotely through Wi-Fi so that the device is not moved for the entire series of single point SAR for the tuner states in each combination (band, mode, exposure conditions).

## 1.1 Supplemental Head SAR results

| | RF exposure position | | | | | | | Average Value of Time Sweep (W/kg) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Band | Mode | Channel | | Test Position | Measured 1g SAR (W/kg) | Auto-Tune (State) | | | | | | | |
| Head (Ant0) | LTE Band 12 | 10M_QPSK_1_0 | M | 23095 | Right Cheek | 0.213 | 111 | 0 | 23 | 46 | 69 | 92 | 115 | 138 |
| | | | | | | | | 0.001 | 0.001 | 0.046 | 0.001 | 0.051 | 0.075 | 0.051 |
| | LTE Band 13 | 10M_QPSK_1_0 | M | 23230 | Right Cheek | 0.232 | 30 | 1 | 24 | 47 | 70 | 93 | 116 | 139 |
| | | | | | | | | 0.001 | 0.780 | 0.001 | 0.072 | 0.056 | 0.053 | 0.071 |
| | LTE Band 14 | 10M_QPSK_1_0 | M | 23330 | Right Cheek | 0.167 | 11 | 2 | 25 | 48 | 71 | 94 | 117 | 140 |
| | | | | | | | | 0.001 | 0.054 | 0.054 | 0.001 | 0.053 | 0.001 | 0.056 |
| | LTE Band 17 | 10M_QPSK_1_0 | M | 23790 | Right Cheek | 0.213 | 44 | 3 | 26 | 49 | 72 | 95 | 118 | 141 |
| | | | | | | | | 0.001 | 0.081 | 0.049 | 0.081 | 0.063 | 0.113 | 0.001 |
| | LTE Band 71 | 20M_QPSK_1_0 | M | 133297 | Left Cheek | 0.171 | 38 | 4 | 27 | 50 | 73 | 96 | 119 | 142 |
| | | | | | | | | 0.001 | 0.001 | 0.001 | 0.101 | 0.001 | 0.048 | 0.001 |
| | FR1 n12 | 15M_BPSK_36_22 | M | 141500 | Right Cheek | 0.161 | 0 | 5 | 28 | 51 | 74 | 97 | 120 | 143 |
| | | | | | | | | 0.087 | 0.001 | 0.061 | 0.138 | 0.075 | 0.113 | 0.001 |
| | FR1 n13 | 10M_BPSK_25_14 | M | 156400 | Right Cheek | 0.228 | 0 | 6 | 29 | 52 | 75 | 98 | 121 | 144 |
| | | | | | | | | 0.168 | 0.058 | 0.082 | 0.085 | 0.098 | 0.146 | 0.132 |
| | FR1 n14 | 10M_BPSK_25_14 | M | 158600 | Right Cheek | 0.443 | 0 | 7 | 30 | 53 | 76 | 99 | 122 | |
| | | | | | | | | 0.113 | 0.121 | 0.049 | 0.082 | 0.001 | 0.105 | |
| | FR1 n71 | 20M_BPSK_50_28 | M | 136100 | Right Cheek | 0.116 | 0 | 8 | 31 | 54 | 77 | 100 | 123 | |
| | | | | | | | | 0.068 | 0.001 | 0.098 | 0.091 | 0.066 | 0.001 | |

| | RF exposure position | | | | | | | Average Value of Time Sweep (W/kg) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Band | Mode | Channel | | Test Position | Measured 1g SAR (W/kg) | Auto-Tune (State) | | | | | | |
| Head (Ant4) | GSM850 | GPRS (4 Tx slots) | M | 189 | Left Cheek | 0.235 | 0 | 9 | 32 | 55 | 78 | 101 | 124 |
| | | | | | | | | 0.201 | 0.167 | 0.103 | 0.195 | 0.165 | 0.196 |
| | GSM1900 | GPRS (4 Tx slots) | M | 661 | Left Cheek | 0.135 | 8 | 10 | 33 | 56 | 79 | 102 | 125 |
| | | | | | | | | 0.122 | 0.121 | 0.001 | 0.119 | 0.110 | 0.067 |
| | WCDMA Band 5 | RMC 12.2Kbps | M | 4233 | Left Cheek | 0.234 | 89 | 11 | 34 | 57 | 80 | 103 | 126 |
| | | | | | | | | 0.221 | 0.219 | 0.227 | 0.222 | 0.212 | 0.231 |
| | LTE Band 2 | 20M_QPSK_1_0 | 19100 | H | Left Cheek | 0.183 | 78 | 12 | 35 | 58 | 81 | 104 | 127 |
| | | | | | | | | 0.091 | 0.097 | 0.001 | 0.088 | 0.082 | 0.001 |
| | LTE Band 4 | 20M_QPSK_1_0 | 20175 | M | Left Cheek | 0.139 | 8 | 13 | 36 | 59 | 82 | 105 | 128 |
| | | | | | | | | 0.138 | 0.086 | 0.100 | 0.131 | 0.111 | 0.126 |
| | LTE Band 5 | 10M_QPSK_1_0 | 20525 | M | Left Cheek | 0.164 | 89 | 14 | 37 | 60 | 83 | 106 | 129 |
| | | | | | | | | 0.162 | 0.051 | 0.115 | 0.157 | 0.149 | 0.159 |
| | LTE Band 25 | 20M_QPSK_1_0 | 26590 | H | Left Cheek | 0.183 | 89 | 15 | 38 | 61 | 84 | 107 | 130 |
| | | | | | | | | 0.091 | 0.001 | 0.001 | 0.070 | 0.062 | 0.001 |
| | LTE Band 26 | 15M_QPSK_1_0 | 26865 | M | Left Cheek | 0.164 | 107 | 16 | 39 | 62 | 85 | 108 | 131 |
| | | | | | | | | 0.138 | 0.053 | 0.103 | 0.134 | 0.104 | 0.133 |
| | LTE Band 66 | 20M_QPSK_1_0 | 132072 | L | Left Cheek | 0.139 | 8 | 17 | 40 | 63 | 86 | 109 | 132 |
| | | | | | | | | 0.132 | 0.094 | 0.076 | 0.124 | 0.104 | 0.116 |
| | FR1 n2 | 20M_BPSK_50_28 | 376000 | M | Right Cheek | 0.168 | 0 | 18 | 41 | 64 | 87 | 110 | 133 |
| | | | | | | | | 0.086 | 0.001 | 0.001 | 0.088 | 0.001 | 0.001 |
| | FR1 n5 | 20M_BPSK_50_28 | 167300 | M | Left Cheek | 0.264 | 0 | 19 | 42 | 65 | 88 | 111 | 134 |
| | | | | | | | | 0.129 | 0.133 | 0.106 | 0.225 | 0.182 | 0.122 |
| | FR1 n25 | 20M_BPSK_50_28 | 376500 | M | Right Cheek | 0.168 | 0 | 20 | 43 | 66 | 89 | 112 | 135 |
| | | | | | | | | 0.084 | 0.001 | 0.001 | 0.080 | 0.001 | 0.001 |
| | FR1 n26 | 20M_BPSK_50_28 | 167300 | M | Left Cheek | 0.264 | 0 | 21 | 44 | 67 | 90 | 113 | 136 |
| | | | | | | | | 0.111 | 0.109 | 0.107 | 0.148 | 0.148 | 0.103 |
| | FR1 n66 | 40M_BPSK_108_54 | 349000 | M | Left Cheek | 0.257 | 0 | 22 | 45 | 68 | 91 | 114 | 137 |
| | | | | | | | | 0.251 | 0.123 | 0.152 | 0.227 | 0.212 | 0.194 |

## 1.2 Supplemental Body SAR results

| | RF exposure position | | | | | | Average Value of Time Sweep (W/kg) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Band | Mode | Channel | | Test Position | Measured 1g SAR (W/kg) | Auto-Tune (State) | | | | | | |
| Body (Ant0) | LTE Band 12 | 10M_QPSK_1_0 | M | 23095 | Bottom Side_10mm | 0.164 | 111 | 0 | 23 | 46 | 69 | 92 | 115 | 138 |
| | | | | | | | | 0.099 | 0.163 | 0.155 | 0.070 | 0.141 | 0.158 | 0.160 |
| | LTE Band 13 | 10M_QPSK_1_0 | M | 23230 | Bottom Side_10mm | 0.385 | 30 | 1 | 24 | 47 | 70 | 93 | 116 | 139 |
| | | | | | | | | 0.166 | 0.367 | 0.210 | 0.379 | 0.337 | 0.272 | 0.285 |
| | LTE Band 14 | 10M_QPSK_1_0 | M | 23330 | Back_0mm+Soft Holster | 0.464 | 11 | 2 | 25 | 48 | 71 | 94 | 117 | 140 |
| | | | | | | | | 0.162 | 0.196 | 0.229 | 0.063 | 0.212 | 0.001 | 0.196 |
| | LTE Band 17 | 10M_QPSK_1_0 | M | 23790 | Bottom Side_10mm | 0.164 | 44 | 3 | 26 | 49 | 72 | 95 | 118 | 141 |
| | | | | | | | | 0.114 | 0.131 | 0.139 | 0.147 | 0.161 | 0.158 | 0.079 |
| | LTE Band 71 | 20M_QPSK_1_0 | M | 133297 | Right Side_10mm | 0.495 | 38 | 4 | 27 | 50 | 73 | 96 | 119 | 142 |
| | | | | | | | | 0.079 | 0.001 | 0.056 | 0.161 | 0.070 | 0.091 | 0.001 |
| | FR1 n12 | 15M_BPSK_36_22 | M | 141500 | Back_0mm+Soft Holster | 0.288 | 0 | 5 | 28 | 51 | 74 | 97 | 120 | 143 |
| | | | | | | | | 0.125 | 0.001 | 0.084 | 0.108 | 0.095 | 0.132 | 0.089 |
| | FR1 n13 | 10M_BPSK_25_14 | M | 156400 | Back_10mm | 0.490 | 0 | 6 | 29 | 52 | 75 | 98 | 121 | 144 |
| | | | | | | | | 0.399 | 0.263 | 0.354 | 0.280 | 0.224 | 0.399 | 0.217 |
| | FR1 n14 | 10M_BPSK_25_14 | M | 158600 | Back_10mm | 0.507 | 0 | 7 | 30 | 53 | 76 | 99 | 122 | |
| | | | | | | | | 0.503 | 0.492 | 0.164 | 0.405 | 0.124 | 0.397 | |
| | FR1 n71 | 20M_BPSK_50_28 | M | 136100 | Back_0mm+Soft Holster | 0.169 | 0 | 8 | 31 | 54 | 77 | 100 | 123 | |
| | | | | | | | | 0.152 | 0.001 | 0.158 | 0.162 | 0.075 | 0.080 | |

| | RF exposure position | | | | | | Average Value of Time Sweep (W/kg) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Band | Mode | Channel | | Test Position | Measured 1g SAR (W/kg) | Auto-Tune (State) | | | | | |
| Body (Ant4) | GSM850 | GPRS (4 Tx slots) | H | 251 | Back_0mm+Soft Holster | 0.725 | 0 | 9 | 32 | 55 | 78 | 101 | 124 |
| | | | | | | | | 0.274 | 0.542 | 0.162 | 0.687 | 0.643 | 0.628 |
| | GSM1900 | GPRS (4 Tx slots) | H | 810 | Back_15mm | 0.386 | 8 | 10 | 33 | 56 | 79 | 102 | 125 |
| | | | | | | | | 0.320 | 0.351 | 0.070 | 0.380 | 0.284 | 0.148 |
| | WCDMA Band 5 | RMC 12.2Kbps | H | 4233 | Back_10mm | 0.461 | 89 | 11 | 34 | 57 | 80 | 103 | 126 |
| | | | | | | | | 0.266 | 0.402 | 0.215 | 0.452 | 0.412 | 0.443 |
| | LTE Band 2 | 20M_QPSK_1_0 | H | 19100 | Back_10mm | 0.666 | 78 | 12 | 35 | 58 | 81 | 104 | 127 |
| | | | | | | | | 0.590 | 0.540 | 0.261 | 0.637 | 0.621 | 0.323 |
| | LTE Band 4 | 20M_QPSK_1_0 | M | 20175 | Bottom Side_10mm | 0.695 | 8 | 13 | 36 | 59 | 82 | 105 | 128 |
| | | | | | | | | 0.544 | 0.237 | 0.078 | 0.507 | 0.474 | 0.405 |
| | LTE Band 5 | 10M_QPSK_1_0 | M | 20525 | Back_10mm | 0.399 | 89 | 14 | 37 | 60 | 83 | 106 | 129 |
| | | | | | | | | 0.256 | 0.088 | 0.226 | 0.322 | 0.332 | 0.286 |
| | LTE Band 25 | 20M_QPSK_1_0 | H | 26590 | Back_10mm | 0.666 | 89 | 15 | 38 | 61 | 84 | 107 | 130 |
| | | | | | | | | 0.640 | 0.250 | 0.226 | 0.441 | 0.419 | 0.359 |
| | LTE Band 26 | 15M_QPSK_1_0 | M | 26865 | Back_10mm | 0.399 | 107 | 16 | 39 | 62 | 85 | 108 | 131 |
| | | | | | | | | 0.321 | 0.119 | 0.247 | 0.342 | 0.197 | 0.336 |
| | LTE Band 66 | 20M_QPSK_1_0 | M | 132322 | Bottom Side_10mm | 0.695 | 8 | 17 | 40 | 63 | 86 | 109 | 132 |
| | | | | | | | | 0.450 | 0.301 | 0.247 | 0.461 | 0.391 | 0.429 |
| | FR1 n2 | 20M_BPSK_50_28 | M | 376000 | Back_0mm+Soft Holster | 1.020 | 0 | 18 | 41 | 64 | 87 | 110 | 133 |
| | | | | | | | | 0.689 | 0.181 | 0.152 | 0.751 | 0.229 | 0.252 |
| | FR1 n5 | 20M_BPSK_50_28 | M | 167300 | Back_0mm+Soft Holster | 0.332 | 0 | 19 | 42 | 65 | 88 | 111 | 134 |
| | | | | | | | | 0.324 | 0.161 | 0.130 | 0.327 | 0.228 | 0.308 |
| | FR1 n25 | 20M_BPSK_50_28 | M | 376500 | Back_0mm+Soft Holster | 1.020 | 0 | 20 | 43 | 66 | 89 | 112 | 135 |
| | | | | | | | | 0.718 | 0.180 | 0.152 | 0.732 | 0.237 | 0.214 |
| | FR1 n26 | 20M_BPSK_50_28 | M | 166300 | Back_0mm+Soft Holster | 0.332 | 0 | 21 | 44 | 67 | 90 | 113 | 136 |
| | | | | | | | | 0.212 | 0.202 | 0.196 | 0.271 | 0.272 | 0.188 |
| | FR1 n66 | 40M_BPSK_108_54 | M | 349000 | Bottom Side_10mm | 0.699 | 0 | 22 | 45 | 68 | 91 | 114 | 137 |
| | | | | | | | | 0.573 | 0.186 | 0.229 | 0.562 | 0.072 | 0.309 |

**Test Engineer：** Bevis Chang, Hank Chiang, Jocelyn Huang Charles Shen, Jerry Hsu and EN Liu

# 2. Uncertainty Assessment

Per KDB 865664 D01 SAR measurement 100MHz to 6GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg and the measured 10-g SAR within a frequency band is < 3.75 W/kg. The expanded SAR measurement uncertainty must be ≤ 30%, for a confidence interval of k = 2. If these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. For this device, the highest measured 1-g SAR is less 1.5W/kg and highest measured 10-g SAR is less 3.75W/kg. Therefore, the measurement uncertainty table is not required in this report.
Declaration of Conformity:
The test results with all measurement uncertainty excluded is presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

The component of uncertainly may generally be categorized according to the methods used to evaluate them. The evaluation of uncertainly by the statistical analysis of a series of observations is termed a Type An evaluation of uncertainty. The evaluation of uncertainty by means other than the statistical analysis of a series of observation is termed a Type B evaluation of uncertainty. Each component of uncertainty, however evaluated, is represented by an estimated standard deviation, termed standard uncertainty, which is determined by the positive square root of the estimated variance.

A Type A evaluation of standard uncertainty may be based on any valid statistical method for treating data. This includes calculating the standard deviation of the mean of a series of independent observations; using the method of least squares to fit a curve to the data in order to estimate the parameter of the curve and their standard deviations; or carrying out an analysis of variance in order to identify and quantify random effects in certain kinds of measurement.

A type B evaluation of standard uncertainty is typically based on scientific judgment using all of the relevant information available. These may include previous measurement data, experience, and knowledge of the behavior and properties of relevant materials and instruments, manufacture's specification, data provided in calibration reports and uncertainties assigned to reference data taken from handbooks. Broadly speaking, the uncertainty is either obtained from an outdoor source or obtained from an assumed distribution, such as the normal distribution, rectangular or triangular distributions indicated in table below.

| Uncertainty Distributions | Normal | Rectangular | Triangular | U-Shape |
|---|---|---|---|---|
| Multi-plying Factor[a] | 1/k[b] | $1/\sqrt{3}$ | $1/\sqrt{6}$ | $1/\sqrt{2}$ |

(a) standard uncertainty is determined as the product of the multiplying factor and the estimated range of variations in the measured quantity

(b) $\kappa$ is the coverage factor

**Standard Uncertainty for Assumed Distribution**

The combined standard uncertainty of the measurement result represents the estimated standard deviation of the result. It is obtained by combining the individual standard uncertainties of both Type A and Type B evaluation using the usual "root-sum-squares" (RSS) methods of combining standard deviations by taking the positive square root of the estimated variances.

Expanded uncertainty is a measure of uncertainty that defines an interval about the measurement result within which the measured value is confidently believed to lie. It is obtained by multiplying the combined standard uncertainty by a coverage factor. Typically, the coverage factor ranges from 2 to 3. Using a coverage factor allows the true value of a measured quantity to be specified with a defined probability within the specified uncertainty range. For purpose of this document, a coverage factor two is used, which corresponds to confidence interval of about 95 %. The DASY uncertainty Budget is shown in the following tables.

The judgment of conformity in the report is based on the measurement results excluding the measurement uncertainty.

**Applicable for SAR Measurements:**

| Uncertainty Budget (4 MHz - 10 GHz range) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Error Description** | **Uncertainty Value (±%)** | **Probability** | **Divisor** | **(Ci) 1g** | **(Ci) 10g** | **Standard Uncertainty (1g) (±%)** | **Standard Uncertainty (10g) (±%)** |
| **Measurement System** | | | | | | | |
| Probe Calibration | 18.60 | N | 2 | 1 | 1 | 9.3 | 9.3 |
| Axial Isotropy | 4.70 | R | 1.732 | 0.7 | 0.7 | 1.9 | 1.9 |
| Hemispherical Isotropy | 9.60 | R | 1.732 | 0.7 | 0.7 | 3.9 | 3.9 |
| Linearity | 4.70 | R | 1.732 | 1 | 1 | 2.7 | 2.7 |
| Modulation Response | 4.68 | R | 1.732 | 1 | 1 | 2.7 | 2.7 |
| System Detection Limits | 1.00 | R | 1.732 | 1 | 1 | 0.6 | 0.6 |
| Boundary Effects | 2.00 | R | 1.732 | 1 | 1 | 1.2 | 1.2 |
| Readout Electronics | 0.30 | N | 1 | 1 | 1 | 0.3 | 0.3 |
| Response Time | 0.00 | R | 1.732 | 1 | 1 | 0.0 | 0.0 |
| Integration Time | 2.60 | R | 1.732 | 1 | 1 | 1.5 | 1.5 |
| RF Ambient Noise | 3.00 | R | 1.732 | 1 | 1 | 1.7 | 1.7 |
| RF Ambient Reflections | 3.00 | R | 1.732 | 1 | 1 | 1.7 | 1.7 |
| Probe Positioner | 0.40 | R | 1.732 | 1 | 1 | 0.2 | 0.2 |
| Probe Positioning | 6.70 | R | 1.732 | 1 | 1 | 3.9 | 3.9 |
| Post-processing | 4.00 | R | 1.732 | 1 | 1 | 2.3 | 2.3 |
| **Test Sample Related** | | | | | | | |
| Device Holder | 3.60 | N | 1 | 1 | 1 | 3.6 | 3.6 |
| Test sample Positioning | 3.03 | N | 1 | 1 | 1 | 3.0 | 3.0 |
| Power Scaling | 0.00 | R | 1.732 | 1 | 1 | 0.0 | 0.0 |
| Power Drift | 5.00 | R | 1.732 | 1 | 1 | 2.9 | 2.9 |
| **Phantom and Setup** | | | | | | | |
| Phantom Uncertainty | 7.60 | R | 1.732 | 1 | 1 | 4.4 | 4.4 |
| SAR correction | 0.00 | R | 1.732 | 1 | 0.84 | 0.0 | 0.0 |
| Liquid Conductivity Repeatability | 0.03 | N | 1 | 0.78 | 0.77 | 0.0 | 0.0 |
| Liquid Conductivity (target) | 5.00 | R | 1.732 | 0.78 | 0.77 | 2.3 | 2.2 |
| Liquid Conductivity (mea.) | 2.50 | R | 1.732 | 0.78 | 0.77 | 1.1 | 1.1 |
| Temp. unc. - Conductivity | 3.68 | R | 1.732 | 0.78 | 0.77 | 1.7 | 1.6 |
| Liquid Permittivity Repeatability | 0.02 | N | 1 | 0.23 | 0.26 | 0.0 | 0.0 |
| Liquid Permittivity (target) | 5.00 | R | 1.732 | 0.23 | 0.26 | 0.7 | 0.8 |
| Liquid Permittivity (mea.) | 2.50 | R | 1.732 | 0.23 | 0.26 | 0.3 | 0.4 |
| Temp. unc. - Permittivity | 0.84 | R | 1.732 | 0.23 | 0.26 | 0.1 | 0.1 |
| **Combined Std. Uncertainty** | | | | | | 14.5% | 14.2% |
| **Coverage Factor for 95 %** | | | | | | K=2 | K=2 |
| **Expanded STD Uncertainty** | | | | | | 29.0% | 28.4% |

**Applicable for Power Density Measurements:**

| Error Description | Uncertainty Value (±dB) | Probability | Divisor | (Ci) | Standard Uncertainty (±dB) |
|---|---|---|---|---|---|
| Probe Calibration | 0.49 | N | 1 | 1 | 0.49 |
| Probe correction | 0.00 | R | 1.732 | 1 | 0.00 |
| Frequency response (BW ≤ 1 GHz) | 0.20 | R | 1.732 | 1 | 0.12 |
| Sensor cross coupling | 0.00 | R | 1.732 | 1 | 0.00 |
| Isotropy | 0.50 | R | 1.732 | 1 | 0.29 |
| Linearity | 0.20 | R | 1.732 | 1 | 0.12 |
| Probe scattering | 0.00 | R | 1.732 | 1 | 0.00 |
| Probe positioning offset | 0.30 | R | 1.732 | 1 | 0.17 |
| Probe positioning repeatability | 0.04 | R | 1.732 | 1 | 0.02 |
| Sensor mechanical offset | 0.00 | R | 1.732 | 1 | 0.00 |
| Probe spatial resolution | 0.00 | R | 1.732 | 1 | 0.00 |
| Field impedance dependance | 0.00 | R | 1.732 | 1 | 0.00 |
| Amplitude and phase drift | 0.00 | R | 1.732 | 1 | 0.00 |
| Amplitude and phase noise | 0.04 | R | 1.732 | 1 | 0.02 |
| Measurement area truncation | 0.00 | R | 1.732 | 1 | 0.00 |
| Data acquisition | 0.03 | N | 1 | 1 | 0.03 |
| Sampling | 0.00 | R | 1.732 | 1 | 0.00 |
| Field reconstruction | 2.00 | R | 1.732 | 1 | 1.15 |
| Forward transformation | 0.00 | R | 1.732 | 1 | 0.00 |
| Power density scaling | 0.00 | R | 1.732 | 1 | 0.00 |
| Spatial averaging | 0.10 | R | 1.732 | 1 | 0.06 |
| System detection limit | 0.04 | R | 1.732 | 1 | 0.02 |
| **Uncertainty terms dep endent on the DUT and environmental factors** | | | | | |
| Probe coupling with DUT | 0.00 | R | 1.732 | 1 | 0.0 |
| Modulation response | 0.40 | R | 1.732 | 1 | 0.2 |
| Integration time | 0.00 | R | 1.732 | 1 | 0.0 |
| Response time | 0.00 | R | 1.732 | 1 | 0.0 |
| Device holder influence | 0.10 | R | 1.732 | 1 | 0.1 |
| DUT alignment | 0.00 | R | 1.732 | 1 | 0.0 |
| RF ambient conditions | 0.04 | R | 1.732 | 1 | 0.0 |
| Ambient reflections | 0.04 | R | 1.732 | 1 | 0.0 |
| Immunity / secondary reception | 0.00 | R | 1.732 | 1 | 0.0 |
| Drift of the DUT | | R | 1.732 | 1 | |
| **Combined Std. Uncertainty** | | | | | 1.34 |
| **Expanded STD Uncertainty (95%)** | | | | | **2.68** |

# 3. References


[1] FCC 47 CFR Part 2 “Frequency Allocations and Radio Treaty Matters; General Rules and Regulations”

[2] ANSI/IEEE Std. C95.1-1992, “IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz”, September 1992

[3] IEEE Std. 1528-2013, “IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques”, Sep 2013

[4] SPEAG DASY System Handbook

[5] FCC KDB 248227 D01 v02r02, “SAR Guidance for IEEE 802.11 (WiFi) Transmitters”, Oct 2015.

[6] FCC KDB 447498 D01 v06, “Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies”, Oct 2015

[7] FCC KDB 648474 D04 v01r03, “SAR Evaluation Considerations for Wireless Handsets”, Oct 2015.

[8] FCC KDB 941225 D01 v03r01, “3G SAR MEAUREMENT PROCEDURES”, Oct 2015

[9] FCC KDB 941225 D05 v02r05, “SAR Evaluation Considerations for LTE Devices”, Dec 2015

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[11] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.

[12] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.

[13] FCC KDB 865664 D02 v01r02, “RF Exposure Compliance Reporting and Documentation Considerations” Oct 2015.

[14] IEC/IEEE 62209-1528:2020, “Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Part 1528: Human models, instrumentation, and procedures (Frequency range of 4 MHz to 10 GHz)”, Oct. 2020

[15] SPEAG DASY6 System Handbook

[16] SPEAG DASY6 Application Note (Interim Procedure for Device Operation at 6GHz-10GHz)