

<3GPP 38.101 MPR for EN-DC>

Table 6.2.2-1 Maximum power reduction (MPR) for power class 3

| Modulation | | MPR (dB) | | |
|------------|-----------|------------------------------|------------------------------|-----------------------|
| | | Edge RB allocations | Outer RB allocations | Inner RB allocations |
| DFT-s-OFDM | Pi/2 BPSK | $\leq 3.5^1$ $\leq 0.5^2$ | $\leq 1.2^1$ $\leq 0.5^2$ | $\leq 0.2^1$ 0^2 |
| | QPSK | | ≤ 1 | 0 |
| | 16 QAM | | ≤ 2 | ≤ 1 |
| | 64 QAM | | ≤ 2.5 | |
| | 256 QAM | | ≤ 4.5 | |
| CP-OFDM | QPSK | ≤ 3 | | ≤ 1.5 |
| | 16 QAM | ≤ 3 | | ≤ 2 |
| | 64 QAM | | ≤ 3.5 | |
| | 256 QAM | | ≤ 6.5 | |

NOTE 1: Applicable for UE operating in TDD mode with Pi/2 BPSK modulation and UE indicates support for UE capability *powerBoosting-pi2BPSK* and if the IE *powerBoostPi2BPSK* is set to 1 and 40 % or less slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79. The reference power of 0 dB MPR is 26 dBm.
NOTE 2: Applicable for UE operating in FDD mode, or in TDD mode in bands other than n40, n41, n77, n78 and n79 with Pi/2 BPSK modulation and if the IE *powerBoostPi2BPSK* is set to 0 and if more than 40 % of slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79.

Table 6.2.2-2 Maximum power reduction (MPR) for power class 2

| Modulation | | MPR (dB) | | |
|------------|-----------|---------------------|----------------------|----------------------|
| | | Edge RB allocations | Outer RB allocations | Inner RB allocations |
| DFT-s-OFDM | Pi/2 BPSK | ≤ 3.5 | ≤ 0.5 | 0 |
| | QPSK | ≤ 3.5 | ≤ 1 | 0 |
| | 16 QAM | ≤ 3.5 | ≤ 2 | ≤ 1 |
| | 64 QAM | ≤ 3.5 | | ≤ 2.5 |
| | 256 QAM | | ≤ 4.5 | |
| CP-OFDM | QPSK | ≤ 3.5 | ≤ 3 | ≤ 1.5 |
| | 16 QAM | ≤ 3.5 | ≤ 3 | ≤ 2 |
| | 64 QAM | | ≤ 3.5 | |
| | 256 QAM | | ≤ 6.5 | |

<Inter Band EN-DC Configuration>

| EN-DC | LTE UL | | 5G-NR UL | |
|-------------|--------|----------|----------|----------|
| | Band | ANT port | Band | ANT port |
| DC_7A_n2A | 7A | 6/7 | n2A | 4/5 |
| DC_71A_n2A | 71A | 0/1 | n2A | 4/5 |
| DC_12A_n2A | 12A | 0/1 | n2A | 4/5 |
| DC_13A_n2A | 13A | 0/1 | n2A | 4/5 |
| DC_30A_n2A | 30A | 6/7 | n2A | 4/5 |
| DC_5A_n2A | 5A | 0/1 | n2A | 4/5 |
| DC_66A_n2A | 66A | 6/7 | n2A | 4/5 |
| DC_2A_n7A | 2A | 6/7 | n7A | 4/5 |
| DC_66A_n7A | 66A | 6/7 | n7A | 4/5 |
| DC_5A_n7A | 5A | 0/1 | n7A | 4/5 |
| DC_71A_n66A | 71A | 0/1 | n66A | 4/5 |
| DC_2A_n66A | 2A | 6/7 | n66A | 4/5 |
| DC_7A_n66A | 7A | 6/7 | n66A | 4/5 |
| DC_30A_n66A | 30A | 6/7 | n66A | 4/5 |
| DC_48A_n66A | 48A | 7/10 | n66A | 4/5 |
| DC_5A_n66A | 5A | 0/1 | n66A | 4/5 |
| DC_12A_n66A | 12A | 0/1 | n66A | 4/5 |
| DC_13A_n66A | 13A | 0/1 | n66A | 4/5 |
| DC_66A_n25A | 66A | 6/7 | n25A | 4/5 |
| DC_12A_n30A | 12A | 0/1 | n30A | 4/5 |
| DC_5A_n30A | 5A | 0/1 | n30A | 4/5 |
| DC_2A_n30A | 2A | 6/7 | n30A | 4/5 |
| DC_66A_n30A | 66A | 6/7 | n30A | 4/5 |
| DC_2A_n41A | 2A | 6/7 | n41A | 4/5 |



| | | | | |
|-------------|-----|------|------|-----------|
| DC_25A_n41A | 25A | 6/7 | n41A | 4/5 |
| DC_66A_n41A | 66A | 6/7 | n41A | 4/5 |
| DC_26A_n41A | 26A | 0/1 | n41A | 4/5 |
| DC_2A_n77A | 2A | 4/5 | n77A | 6/7/10/13 |
| DC_30A_n77A | 30A | 4/5 | n77A | 6/7/10/13 |
| DC_66A_n77A | 66A | 4/5 | n77A | 6/7/10/13 |
| DC_5A_n77A | 5A | 0/1 | n77A | 6/7/10/13 |
| DC_12A_n77A | 12A | 0/1 | n77A | 6/7/10/13 |
| DC_13A_n77A | 13A | 0/1 | n77A | 6/7/10/13 |
| DC_2A_n78A | 2A | 4/5 | n78A | 6/7/10/13 |
| DC_66A_n78A | 66A | 4/5 | n78A | 6/7/10/13 |
| DC_5A_n78A | 5A | 0/1 | n78A | 6/7/10/13 |
| DC_12A_n78A | 12A | 0/1 | n78A | 6/7/10/13 |
| DC_2A_n5A | 2A | 4/5 | 5A | 0/1 |
| DC_30A_n5A | 30A | 4/5 | 5A | 0/1 |
| DC_48A_n5A | 48A | 6/13 | 5A | 0/1 |
| DC_66A_n5A | 66A | 4/5 | 5A | 0/1 |
| DC_2A_n71A | 2A | 4/5 | 71A | 0/1 |
| DC_7A_n71A | 7A | 4/5 | 5A | 0/1 |
| DC_25A_n77A | 25A | 4/5 | n77A | 6/7/10/13 |
| DC_25A_n78A | 25A | 4/5 | n78A | 6/7/10/13 |
| DC_7A_n5A | 7A | 4/5 | 5A | 0/1 |
| DC_38A_n78A | 38A | 4/5 | n77A | 6/7/10/13 |
| DC_41A_n78A | 41A | 4/5 | n77A | 6/7/10/13 |

Inter-Band CA Configuration:

| ULCA | 5G-NR UL | | 5G-NR UL | |
|----------|----------|----------|----------|----------|
| | Band | ANT port | Band | ANT port |
| n5A_n78A | n5A | 0/1 | n78A | 6/13 |

NR UL MIMO Bands Configuration:

| ULCA | 5G-NR UL | | 5G-NR UL | |
|-------------|----------|----------|----------|----------|
| | Band | ANT port | Band | ANT port |
| N41 UL MIMO | N41 | 5 | N41 | 6 |
| N77 UL MIMO | N77 | 6 | N77 | 10 |
| | N77 | 13 | N77 | 7 |
| N78 UL MIMO | N78 | 6 | N78 | 10 |
| | N78 | 13 | N78 | 7 |



16. WiFi/Bluetooth Output Power (Unit: dBm)

The detailed conducted power table can refer to Appendix E.

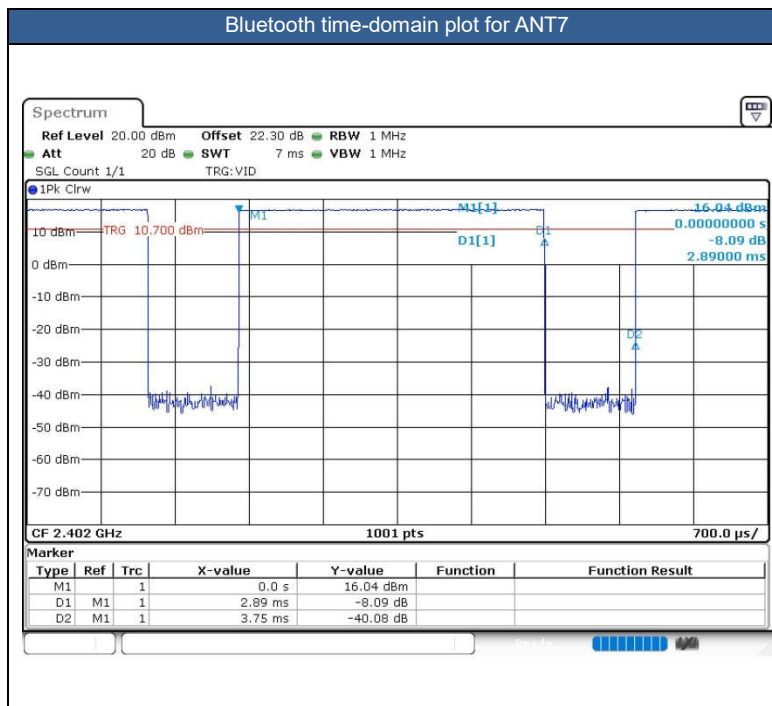
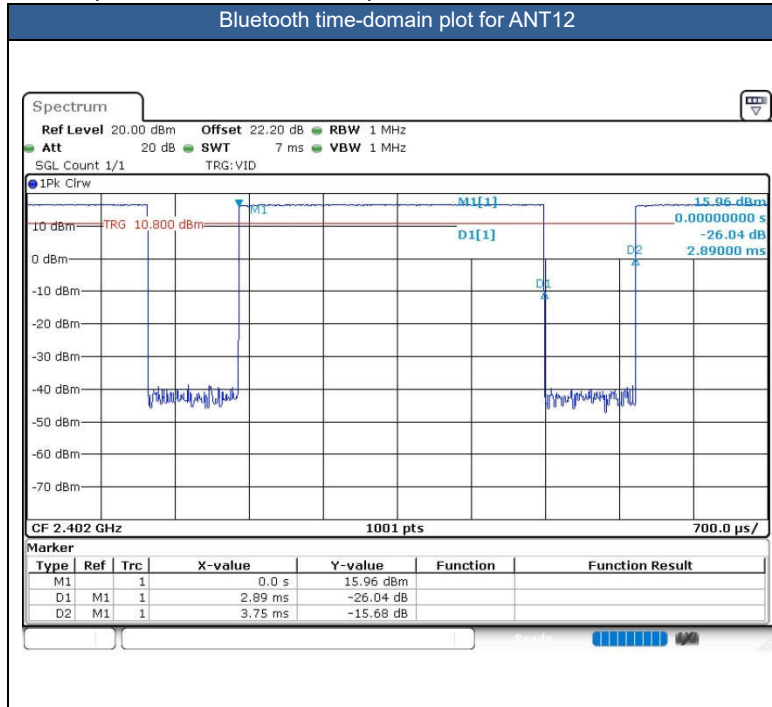
General Note:

1. For each frequency band or when MIMO mode was not performed, due to each antenna, transmit power in SISO operation is larger than (or equal to) the power in MIMO operation, RF exposure compliance of MIMO mode can be deduced from the compliance simultaneous transmission of antennas operating in SISO mode.
2. Per KDB 248227 D01v02r02, the simultaneous SAR provisions in KDB publication 447498 should be applied to determine simultaneous transmission SAR test exclusion for WiFi MIMO. If the sum of 1g single transmission chain SAR measurements is $< 1.6\text{W/kg}$ and SAR peak to location ratio ≤ 0.04 , no additional SAR measurements for MIMO.
3. The maximum output power specified for production units are determined for all applicable 802.11 transmission modes in each standalone and aggregated frequency band. Maximum output power is measured for the highest maximum output power configuration(s) in each frequency band according to the default power measurement procedures. For "Not required", SAR Test reduction was applied from KDB 248227 guidance, Sec. 2.1, b), 1) when the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel in the initial test configuration. Additional output power measurements were not necessary.
4. Per KDB 248227 D01v02r02, SAR test reduction is determined according to 802.11 transmission mode configurations and certain exposure conditions with multiple test positions. In the 2.4 GHz band, separate SAR procedures are applied to DSSS and OFDM configurations to simplify DSSS test requirements. For OFDM, in both 2.4 and 5 GHz bands, an initial test configuration must be determined for each standalone and aggregated frequency band, according to the transmission mode configuration with the highest maximum output power specified for production units to perform SAR measurements. If the same highest maximum output power applies to different combinations of channel bandwidths, modulations and data rates, additional procedures are applied to determine which test configurations require SAR measurement. When applicable, an initial test position may be applied to reduce the number of SAR measurements required for next to the ear, UMPC mini-tablet or hotspot mode configurations with multiple test positions.
5. For 2.4 GHz 802.11b DSSS, either the initial test position procedure for multiple exposure test positions or the DSSS procedure for fixed exposure position is applied; these are mutually exclusive. For 2.4 GHz and 5 GHz OFDM configurations, the initial test configuration is applied to measure SAR using either the initial test position procedure for multiple exposure test position configurations or the initial test configuration procedures for fixed exposure test conditions. Based on the reported SAR of the measured configurations and maximum output power of the transmission mode configurations that are not included in the initial test configuration, the subsequent test configuration and initial test position procedures are applied to determine if SAR measurements are required for the remaining OFDM transmission configurations. In general, the number of test channels that require SAR measurement is minimized based on maximum output power measured for the test sample(s).
6. For OFDM transmission configurations in the 2.4 GHz and 5 GHz bands, When the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel for each frequency band.
7. DSSS and OFDM configurations are considered separately according to the required SAR procedures. SAR is measured in the initial test position using the 802.11 transmission mode configuration required by the DSSS procedure or initial test configuration and subsequent test configuration(s) according to the OFDM procedures.18 The initial test position procedure is described in the following:
 - a. When the reported SAR of the initial test position is $\leq 0.4\text{ W/kg}$, further SAR measurement is not required for the other test positions in that exposure configuration and 802.11 transmission mode combinations within the frequency band or aggregated band.
 - b. When the reported SAR of the test position is $> 0.4\text{ W/kg}$, 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 $\leq 0.8\text{ W/kg}$ or all required test position are tested.
 - c. For all positions/configurations, when the reported SAR is $> 0.8\text{ W/kg}$, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is $\leq 1.2\text{ W/kg}$ or all required channels are tested.
8. For full RU and partial tone size output power measurement, after verification for the partial tone size mode power level will not higher than full tone size power level, so chose full tone power to be measured in this report.
9. When multiple transmission modes (802.11a/g/n/ac/ax/be) have the same specified maximum output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac then 802.11ax then 802.11be or 802.11g is chosen over 802.11n.
10. SISO and MIMO all supported by WLAN2.4GHz/WLAN5GHz, for head exposure condition, the single antenna RF power in MIMO mode is less than the single antenna RF power in SISO mode, SAR testing was performed on SISO mode, for MIMO SAR based on standalone SAR to be summed together as MIMO SAR. For hotspot/body-worn/extremity exposure condition, the single antenna RF power in MIMO mode is less than the single antenna RF power in SISO mode, SAR testing was performed on SISO mode, for MIMO SAR based on standalone SAR to be summed together as MIMO SAR
11. For the conducted power measurement is MIMO chains transmitting simultaneously and measured the separately conducted power for both chains and then based on the conducted power of two antennas respectively to calculate sum of the power for MIMO mode.

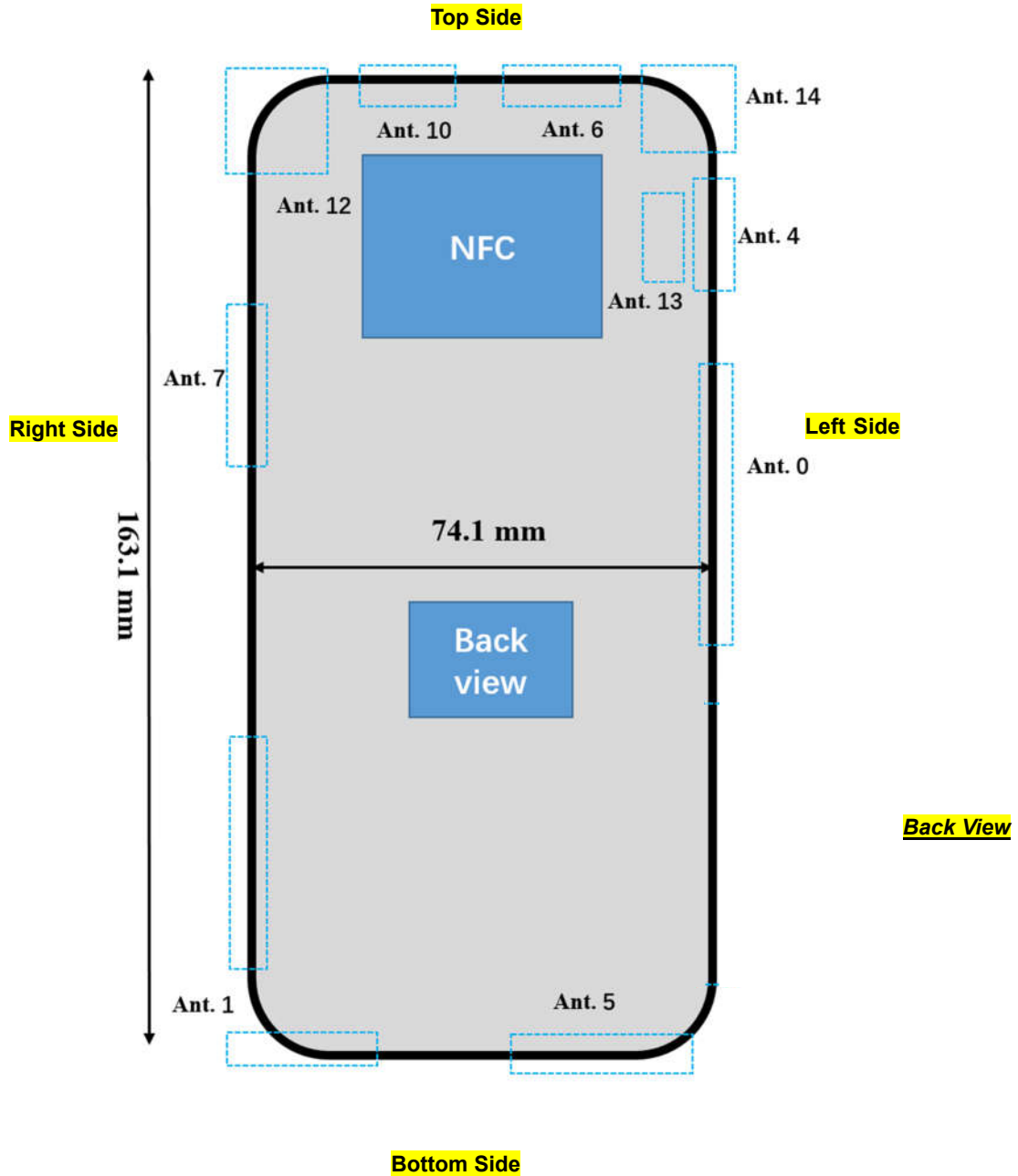
<2.4GHz Bluetooth>

General Note:

1. For 2.4GHz Bluetooth SAR testing was selected 1Mbps, due to its highest average power.
2. The Bluetooth duty cycle are 77.07 % for ANT12/ANT7 as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation



17. Antenna Location



Length: 163.1mm
 Width: 74.1mm
 Diagonal: 171.65mm

| Antenna | Support Band |
|-------------|--|
| Antenna 0 | GSM850<TX/RX> WCDMA B5 <TX/RX> LTE B5/12/13/17/26/71<TX/RX> NR: n5/n71<TX/RX> |
| Antenna 1 | GSM850<TX/RX> WCDMA B5 <TX/RX> LTE B5/12/13/17/26/71<TX/RX> NR: n5/n71<TX/RX> |
| Antenna 4 | GSM1900<TX/RX> WCDMA B2/B4<TX/RX> LTE B2/4/7/25/30/38/41/66<TX/RX> NR: n2/n7/n25/n30/n38/n41/n66<TX/RX> |
| Antenna 5 | GSM1900<TX/RX> WCDMA B2/B4<TX/RX> LTE B2/4/7/25/30/38/41/66<TX/RX> NR: n2/n7/n25/n30/n38/n41/n66<TX/RX> |
| Antenna 6 | LTE B2/4/7/25/30/66/41/48 <TX/RX> NR: n2/n7/n25/n66/n38/n41/n48/n77/n78 <TX/RX> |
| Antenna 7 | LTE B2/4/7/25/30/66/48 <TX/RX> NR: n2/n7/n25/n66/n38/n77/n78 <TX/RX> WIFI 2.4GHz/Bluetooth <TX/RX> |
| Antenna 10 | LTE B48 <TX/RX> NR: n77/n78 <TX/RX> WIFI 5GHz/6GHz <TX/RX> |
| Antenna 12 | WIFI 2.4GHz/Bluetooth<TX/RX> |
| Antenna 13 | LTE B48 <TX/RX> NR: n48/n77/n78 <TX/RX> WIFI 5GHz/6GHz <TX/RX> |
| Antenna 14 | GPS L5 <RX> |
| NFC Antenna | NFC<TX/RX> |

Note: LTE B30 at Ant6/7 and LTE B48 at Ant7/10 were limited to EN-DC combination.

| Distance of the Antenna to the EUT surface/edge | | | | | | |
|---|--------|--------|----------|-------------|------------|-----------|
| Antennas | Back | Front | Top Side | Bottom Side | Right Side | Left Side |
| Antenna 0 | ≤ 25mm | ≤ 25mm | >25mm | >25mm | >25mm | ≤ 25mm |
| Antenna 1 | ≤ 25mm | ≤ 25mm | >25mm | ≤ 25mm | ≤ 25mm | >25mm |
| Antenna 4 | ≤ 25mm | ≤ 25mm | ≤ 25mm | >25mm | >25mm | ≤ 25mm |
| Antenna 5 | ≤ 25mm | ≤ 25mm | >25mm | ≤ 25mm | >25mm | ≤ 25mm |
| Antenna 6 | ≤ 25mm | ≤ 25mm | ≤ 25mm | >25mm | >25mm | ≤ 25mm |
| Antenna 7 | ≤ 25mm | ≤ 25mm | >25mm | >25mm | ≤ 25mm | >25mm |
| Antenna 10 | ≤ 25mm | ≤ 25mm | ≤ 25mm | >25mm | ≤ 25mm | >25mm |
| Antenna 12 | ≤ 25mm | ≤ 25mm | ≤ 25mm | >25mm | ≤ 25mm | >25mm |
| Antenna 13 | ≤ 25mm | ≤ 25mm | ≤ 25mm | >25mm | >25mm | ≤ 25mm |

| Positions for SAR tests; Hotspot mode | | | | | | |
|---------------------------------------|------|-------|----------|-------------|------------|-----------|
| Antennas | Back | Front | Top Side | Bottom Side | Right Side | Left Side |
| Antenna 0 | Yes | Yes | No | No | No | Yes |
| Antenna 1 | Yes | Yes | No | Yes | Yes | No |
| Antenna 4 | Yes | Yes | Yes | No | No | Yes |
| Antenna 5 | Yes | Yes | No | Yes | No | Yes |
| Antenna 6 | Yes | Yes | Yes | No | No | Yes |
| Antenna 7 | Yes | Yes | No | No | Yes | No |
| Antenna 10 | Yes | Yes | Yes | No | Yes | No |
| Antenna 12 | Yes | Yes | Yes | No | Yes | No |
| Antenna 13 | Yes | Yes | Yes | No | No | Yes |

General Note:

- Referring to KDB 941225 D06 v02r01, when the overall device length and width are $\geq 9\text{cm} \times 5\text{cm}$, the test distance is 10 mm. SAR must be measured for all sides and surfaces with a transmitting antenna located within 25mm from that surface or edge



18. 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 BT/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 BT/WLAN: Reported SAR(W/kg)= Measured SAR(W/kg)* Duty Cycle scaling factor * Tune-up scaling factor
 - e. For TDD LTE SAR measurement of power class 3, 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 (W/kg) = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.
 - f. For TDD LTE SAR measurement of power class 2, the duty cycle 1:2.33 (42.9 %) was used perform testing and considering the theoretical duty cycle of 43.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 42.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix 43.3%/42.9% = 1.009 is applied to scale-up the measured SAR result. The reported TDD LTE SAR (W/kg) = 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. 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. 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. The device implements the power management and proximity sensor /receiver detection/hotspot mode for SAR compliance at different exposure conditions (head, body-worn, hotspot/extremity) and the Qualcomm smart transmit will manage to ensure the power level not exceeding the associated power table. It uses the receiver to indicate whether the user is making a call in head scenario or not. The selection between head and body power levels is based on the receiver detection mechanism. It can determine proximity to head or body and set the relevant power level for 2G&3G&4G&5G and Wi-Fi antennas accordingly. Details about the power management decision and sensor detection are provided in the operational description. And the device will invoke corresponding work scenarios power level base on frequency bands/antennas, which can refer to power table at appendix E. Power table (DSI 5/10/15: receiver on head power, DSI 17: hotspot on power, DSI 1/6/11: P-sensor on body for ANT4/6/13, DSI 2/7/12: P-sensor on body for ANT1, DSI 4/9/14: Receiver off/sensor off for body).
6. For WLAN/BT when transmit simultaneous with WWAN, power reduction will be activated to head, hotspot, body-worn and extremity.
7. LTE band 41, 5G NR n41/n77/n78 supports HPUE, HPUE power and SAR testing performed separately.
8. This device supports HPUE for LTE band 41 with class 2 level, HPUE power have been measured separately. For HPUE power is higher than power class 3 but with lower duty cycle, the maximum average power for class 2 and class 3 is almost the same , so we chose power class 3 full SAR testing and power class 2 verify the worst case of power class 3 SAR.
9. 5G NR n41/n77/n78 HUPE with higher power, 5G NR n41/n77/n78 HUPE SAR can represent power class 3 level SAR.
10. 5G NR n41/n77/n78 supports UL MIMO and limit to SA mode, and 5G NR UL MIMO only supports CP-OFDM modulation.
11. For 5G NR test, using FTM (Factory Test Mode) to perform SAR with default 100% transmission.
12. NSA and SA mode should perform SAR separately. For the maximum power of NSA mode is the same as SA total power level, so SA standalone total power level SAR can represent NSA mode SAR.
13. 5G NR NSA mode, the power level is the same as 5G NR SA mode, so 5G NR NSA mode and SA mode power table only show one time.
14. 5G NR supports CP-OFDM and DFT-s-OFDM modulation, for DFT-s-OFDM power is higher than CP-OFDM, so only show



DFT-s-OFDM power table and chose DFT-s-OFDM to perform SAR testing.

15. For DFT-s-OFDM and CP-OFDM output power measurement reduction, according to 38.101 maximum power reduction for the CP-OFDM mode will not higher than DFT-s-OFDM mode, therefore, CP-OFDM measurement is unnecessary.
16. 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,
 - a. WCDMA II/IV, LTE B2/4/5/7/25/26/30/38/41/48/66, 5G NR n2/n7/n25/n30/n38/n41/n48/n66/n77/n78, and WLAN2.4/5.8GHz is required to be tested.
 - b. WLAN 5.3/5.5GHz tested the product specific 10g SAR since it has no hotspot mode.
 - c. When 10-g product specific 10g SAR is considered, SAR thresholds is specified in the procedures for SAR test reduction and exclusion should be multiplied by 2.5.
17. For distance SAR and non-distance SAR always chose higher SAR to do co-located analysis.

GSM Note:

1. Per KDB 941225 D01v03r01, for SAR test reduction for GSM / GPRS / EDGE / DTM 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.
2. Other configurations of GSM / GPRS / EDGE / DTM are considered as secondary modes. Both primary and secondary modes must be in the same frequency band. 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 $\leq \frac{1}{4}$ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

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 / HSPA+ is $\leq \frac{1}{4}$ 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 / HSPA+ to RMC12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA / HSPA+, and according to the following RF output power, the output power results of the secondary modes (HSUPA, HSDPA, DC-HSDPA / HSPA+) are less than $\frac{1}{4}$ dB higher than the primary modes; therefore, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA / HSPA+.

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/64QAM/256QAM output power for each RB allocation configuration is > not $\frac{1}{2}$ 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/64QAM/256QAM SAR testing is not required.
5. Per KDB 941225 D05v02r05, Smaller bandwidth output power for each RB allocation configuration is > not $\frac{1}{2}$ 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 \leq 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. For 5G NR test procedure was following step similar FCC KDB 941225 D05:
 - a. SAR testing 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.
 - b. 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure
 - c. 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.
 - d. PI/2 BPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not $\frac{1}{2}$ dB higher than the same configuration in PI/2 BPSK, also reported SAR for the QPSK configuration is less than 1.45 W/kg, PI/2 BPSK/16QAM/64QAM/256QAM SAR testing are not required.
 - e. Smaller bandwidth output power for each RB allocation configuration for this device will not $\frac{1}{2}$ 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
 - f. This device supports both 5G NR n2/n38 and 5G NR n25/n41. Since the supported frequency span for 5G NR n2/n38 falls completely within the supports frequency span for 5G NR n25/n41, both NR bands have the same target power, and both NR bands share the same transmission path; therefore, SAR was only assessed for 5G NR n25/n41.
 - g. For 5G FR1 n5/n7/n25/n38/n41/n66/n71/n77 the maximum bandwidth does not support three non-overlapping channels, 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.

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, U-NII-1 or U-NII-2A SAR testing is not required when the U-NII-1 or U-NII-2A band highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band or U-NII-2A.
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. During SAR testing the WLAN transmission was verified using a spectrum analyzer.
6. For full RU and partial tone size output power measurement, after verification for the partial tone size mode power level will not higher than full tone size power level, so chose full tone power to be measured in this report.
7. When multiple transmission modes (802.11a/g/n/ac/ax/be) have the same specified maximum output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac then 802.11ax then 802.11be or 802.11g is chosen over 802.11n.
8. SISO and MIMO all supported by WLAN2.4GHz/WLAN5GHz, for head exposure condition, the single antenna RF power in MIMO mode is less than the single antenna RF power in SISO mode, SAR testing was performed on SISO mode, for MIMO SAR based on standalone SAR to be summed together as MIMO SAR. For hotspot/body-worn/extremity exposure condition, the single antenna RF power in MIMO mode is less than the single antenna RF power in SISO mode, SAR testing was performed on SISO mode, for MIMO SAR based on standalone SAR to be summed together as MIMO SAR
9. For the conducted power measurement is MIMO chains transmitting simultaneously and measured the separately conducted power for both chains and then based on the conducted power of two antennas respectively to calculate sum of the power for MIMO mode.



18.1 Head SAR

Table with columns: Plot No., Band, BW (MHz), Modulation, RB Size, RB offset, Mode, Test Position, Gap (mm), Antenna, 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). Includes rows for 750MHz and various LTE bands (71, 12, 13).



FCC SAR TEST REPORT

Report No. : FA2O2001

| | | | | | | | | | | | | | | | | | | |
|---------------|-------------|-----|------|-----|----|------------------------|--------------|-----|-------|-------------|--------|-------|-------|-------|-------|-------|-------|-------|
| | LTE Band 13 | 10M | QPSK | 25 | 0 | - | Right Tilted | 0mm | Ant 1 | DSI 5/10/15 | 23230 | 782 | 22.99 | 23.80 | 1.205 | 0.15 | 0.097 | 0.117 |
| | LTE Band 13 | 10M | QPSK | 25 | 0 | - | Left Cheek | 0mm | Ant 1 | DSI 5/10/15 | 23230 | 782 | 22.99 | 23.80 | 1.205 | 0.16 | 0.099 | 0.119 |
| | LTE Band 13 | 10M | QPSK | 25 | 0 | - | Left Tilted | 0mm | Ant 1 | DSI 5/10/15 | 23230 | 782 | 22.99 | 23.80 | 1.205 | -0.09 | 0.060 | 0.072 |
| | n71 | 20M | QPSK | 1 | 1 | DFT-15 | Right Cheek | 0mm | Ant 0 | DSI 5 | 136100 | 680.5 | 23.78 | 24.20 | 1.102 | 0.07 | 0.661 | 0.728 |
| | n71 | 20M | QPSK | 1 | 1 | DFT-15 | Right Tilted | 0mm | Ant 0 | DSI 5 | 136100 | 680.5 | 23.78 | 24.20 | 1.102 | 0.03 | 0.135 | 0.149 |
| | n71 | 20M | QPSK | 1 | 1 | DFT-15 | Left Cheek | 0mm | Ant 0 | DSI 5 | 136100 | 680.5 | 23.78 | 24.20 | 1.102 | -0.12 | 0.885 | 0.975 |
| | n71 | 20M | QPSK | 1 | 1 | DFT-15 | Left Tilted | 0mm | Ant 0 | DSI 5 | 136100 | 680.5 | 23.78 | 24.20 | 1.102 | -0.01 | 0.196 | 0.216 |
| | n71 | 20M | QPSK | 50 | 28 | DFT-15 | Right Cheek | 0mm | Ant 0 | DSI 5 | 136100 | 680.5 | 23.65 | 24.20 | 1.135 | 0.05 | 0.658 | 0.747 |
| | n71 | 20M | QPSK | 50 | 28 | DFT-15 | Right Tilted | 0mm | Ant 0 | DSI 5 | 136100 | 680.5 | 23.65 | 24.20 | 1.135 | 0.05 | 0.140 | 0.159 |
| 04 | n71 | 20M | QPSK | 50 | 28 | DFT-15 | Left Cheek | 0mm | Ant 0 | DSI 5 | 136100 | 680.5 | 23.65 | 24.20 | 1.135 | -0.07 | 0.897 | 1.018 |
| | n71 | 20M | QPSK | 50 | 28 | DFT-15 | Left Tilted | 0mm | Ant 0 | DSI 5 | 136100 | 680.5 | 23.65 | 24.20 | 1.135 | 0.15 | 0.199 | 0.226 |
| | n71 | 20M | QPSK | 50 | 28 | DFT-15 | Left Cheek | 0mm | Ant 0 | DSI 10/15 | 136100 | 680.5 | 22.25 | 22.70 | 1.109 | 0.01 | 0.653 | 0.724 |
| | n71 | 20M | QPSK | 100 | 0 | DFT-15 | Left Cheek | 0mm | Ant 0 | DSI 5 | 136100 | 680.5 | 23.12 | 23.70 | 1.143 | 0.06 | 0.712 | 0.814 |
| | n71 | 20M | QPSK | 1 | 1 | DFT-15 | Right Cheek | 0mm | Ant 1 | DSI 5/10/15 | 136100 | 680.5 | 24.32 | 25.20 | 1.225 | 0.01 | 0.202 | 0.247 |
| | n71 | 20M | QPSK | 1 | 1 | DFT-15 | Right Tilted | 0mm | Ant 1 | DSI 5/10/15 | 136100 | 680.5 | 24.32 | 25.20 | 1.225 | 0.02 | 0.098 | 0.120 |
| | n71 | 20M | QPSK | 1 | 1 | DFT-15 | Left Cheek | 0mm | Ant 1 | DSI 5/10/15 | 136100 | 680.5 | 24.32 | 25.20 | 1.225 | -0.09 | 0.127 | 0.156 |
| | n71 | 20M | QPSK | 1 | 1 | DFT-15 | Left Tilted | 0mm | Ant 1 | DSI 5/10/15 | 136100 | 680.5 | 24.32 | 25.20 | 1.225 | 0.1 | 0.070 | 0.086 |
| | n71 | 20M | QPSK | 50 | 28 | DFT-15 | Right Cheek | 0mm | Ant 1 | DSI 5/10/15 | 136100 | 680.5 | 24.30 | 25.20 | 1.230 | 0.1 | 0.183 | 0.225 |
| | n71 | 20M | QPSK | 50 | 28 | DFT-15 | Right Tilted | 0mm | Ant 1 | DSI 5/10/15 | 136100 | 680.5 | 24.30 | 25.20 | 1.230 | 0.11 | 0.102 | 0.125 |
| | n71 | 20M | QPSK | 50 | 28 | DFT-15 | Left Cheek | 0mm | Ant 1 | DSI 5/10/15 | 136100 | 680.5 | 24.30 | 25.20 | 1.230 | -0.13 | 0.134 | 0.165 |
| | n71 | 20M | QPSK | 50 | 28 | DFT-15 | Left Tilted | 0mm | Ant 1 | DSI 5/10/15 | 136100 | 680.5 | 24.30 | 25.20 | 1.230 | 0.08 | 0.071 | 0.087 |
| 850MHz | | | | | | | | | | | | | | | | | | |
| | GSM850 | - | - | - | - | GPRS (2 Tx slots) | Right Cheek | 0mm | Ant 0 | DSI 5 | 189 | 836.4 | 29.50 | 30.50 | 1.259 | -0.12 | 0.258 | 0.325 |
| | GSM850 | - | - | - | - | GPRS (2 Tx slots) | Right Tilted | 0mm | Ant 0 | DSI 5 | 189 | 836.4 | 29.50 | 30.50 | 1.259 | 0.08 | 0.051 | 0.064 |
| | GSM850 | - | - | - | - | GPRS (2 Tx slots) | Left Cheek | 0mm | Ant 0 | DSI 5 | 189 | 836.4 | 29.50 | 30.50 | 1.259 | -0.02 | 0.710 | 0.894 |
| | GSM850 | - | - | - | - | GPRS (2 Tx slots) | Left Tilted | 0mm | Ant 0 | DSI 5 | 189 | 836.4 | 29.50 | 30.50 | 1.259 | -0.04 | 0.085 | 0.107 |
| 05 | GSM850 | - | - | - | - | GPRS (2 Tx slots) | Left Cheek | 0mm | Ant 0 | DSI 5 | 128 | 824.2 | 29.45 | 30.50 | 1.274 | -0.06 | 0.829 | 1.056 |
| | GSM850 | - | - | - | - | DTM Multi-slot class 9 | Left Cheek | 0mm | Ant 0 | DSI 5 | 128 | 824.2 | 23.26 | 24.28 | 1.265 | 0.03 | 0.764 | 0.966 |
| | GSM850 | - | - | - | - | GPRS (2 Tx slots) | Left Cheek | 0mm | Ant 0 | DSI 5 | 251 | 848.8 | 29.48 | 30.50 | 1.265 | 0.13 | 0.739 | 0.935 |
| | GSM850 | - | - | - | - | GPRS (2 Tx slots) | Left Cheek | 0mm | Ant 0 | DSI 10/15 | 128 | 824.2 | 28.21 | 29.00 | 1.199 | 0.01 | 0.593 | 0.711 |
| | GSM850 | - | - | - | - | DTM Multi-slot class 9 | Left Cheek | 0mm | Ant 0 | DSI 10/15 | 128 | 824.2 | 22.12 | 22.98 | 1.219 | 0.09 | 0.521 | 0.635 |
| | GSM850 | - | - | - | - | GPRS (4 Tx slots) | Right Cheek | 0mm | Ant 1 | DSI 5/10/15 | 189 | 836.4 | 27.00 | 28.50 | 1.413 | -0.13 | 0.138 | 0.195 |
| | GSM850 | - | - | - | - | GPRS (4 Tx slots) | Right Tilted | 0mm | Ant 1 | DSI 5/10/15 | 189 | 836.4 | 27.00 | 28.50 | 1.413 | 0.06 | 0.079 | 0.112 |
| | GSM850 | - | - | - | - | GPRS (4 Tx slots) | Left Cheek | 0mm | Ant 1 | DSI 5/10/15 | 189 | 836.4 | 27.00 | 28.50 | 1.413 | 0.04 | 0.115 | 0.162 |
| | GSM850 | - | - | - | - | GPRS (4 Tx slots) | Left Tilted | 0mm | Ant 1 | DSI 5/10/15 | 189 | 836.4 | 27.00 | 28.50 | 1.413 | 0.02 | 0.062 | 0.088 |
| | GSM850 | - | - | - | - | GPRS (4 Tx slots) | Right Cheek | 0mm | Ant 1 | DSI 5/10/15 | 128 | 824.2 | 26.89 | 28.50 | 1.449 | 0.14 | 0.155 | 0.225 |
| | GSM850 | - | - | - | - | DTM Multi-slot class 9 | Right Cheek | 0mm | Ant 1 | DSI 5/10/15 | 128 | 824.2 | 23.76 | 24.98 | 1.324 | 0.03 | 0.132 | 0.175 |
| | GSM850 | - | - | - | - | GPRS (4 Tx slots) | Right Cheek | 0mm | Ant 1 | DSI 5/10/15 | 251 | 848.8 | 26.92 | 28.50 | 1.439 | 0.11 | 0.099 | 0.142 |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Right Cheek | 0mm | Ant 0 | DSI 5 | 4182 | 836.4 | 23.99 | 24.30 | 1.074 | -0.13 | 0.341 | 0.366 |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Right Tilted | 0mm | Ant 0 | DSI 5 | 4182 | 836.4 | 23.99 | 24.30 | 1.074 | -0.08 | 0.070 | 0.075 |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Left Cheek | 0mm | Ant 0 | DSI 5 | 4182 | 836.4 | 23.99 | 24.30 | 1.074 | -0.13 | 0.880 | 0.945 |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Left Tilted | 0mm | Ant 0 | DSI 5 | 4182 | 836.4 | 23.99 | 24.30 | 1.074 | 0.06 | 0.110 | 0.118 |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Left Cheek | 0mm | Ant 0 | DSI 5 | 4132 | 826.4 | 23.96 | 24.30 | 1.081 | 0.07 | 0.840 | 0.908 |
| 06 | WCDMA V | - | - | - | - | RMC 12.2Kbps | Left Cheek | 0mm | Ant 0 | DSI 5 | 4233 | 846.6 | 23.92 | 24.30 | 1.091 | 0.08 | 0.875 | 0.955 |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Left Cheek | 0mm | Ant 0 | DSI 10/15 | 4233 | 846.6 | 22.41 | 23.30 | 1.227 | 0.1 | 0.585 | 0.718 |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Right Cheek | 0mm | Ant 1 | DSI 5/10/15 | 4182 | 836.4 | 24.10 | 24.80 | 1.175 | -0.09 | 0.170 | 0.200 |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Right Tilted | 0mm | Ant 1 | DSI 5/10/15 | 4182 | 836.4 | 24.10 | 24.80 | 1.175 | 0.08 | 0.102 | 0.120 |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Left Cheek | 0mm | Ant 1 | DSI 5/10/15 | 4182 | 836.4 | 24.10 | 24.80 | 1.175 | 0.06 | 0.158 | 0.186 |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Left Tilted | 0mm | Ant 1 | DSI 5/10/15 | 4182 | 836.4 | 24.10 | 24.80 | 1.175 | -0.07 | 0.077 | 0.090 |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Right Cheek | 0mm | Ant 1 | DSI 5/10/15 | 4132 | 826.4 | 24.03 | 24.80 | 1.194 | -0.07 | 0.180 | 0.215 |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Right Cheek | 0mm | Ant 1 | DSI 5/10/15 | 4233 | 846.6 | 24.06 | 24.80 | 1.186 | 0.01 | 0.155 | 0.184 |
| | LTE Band 5 | 10M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 0 | DSI 5 | 20525 | 836.5 | 23.86 | 24.80 | 1.242 | 0.01 | 0.315 | 0.391 |
| | LTE Band 5 | 10M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 0 | DSI 5 | 20525 | 836.5 | 23.86 | 24.80 | 1.242 | 0.05 | 0.066 | 0.082 |
| 07 | LTE Band 5 | 10M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 0 | DSI 5 | 20525 | 836.5 | 23.86 | 24.80 | 1.242 | 0.04 | 0.885 | 1.099 |
| | LTE Band 5 | 10M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 0 | DSI 5 | 20525 | 836.5 | 23.86 | 24.80 | 1.242 | -0.09 | 0.094 | 0.117 |
| | LTE Band 5 | 10M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 0 | DSI 10/15 | 20525 | 836.5 | 22.19 | 22.80 | 1.151 | 0.03 | 0.561 | 0.646 |



FCC SAR TEST REPORT

Report No. : FA2O2001

| | | | | | | | | | | | | | | | | | | |
|----------------|-------------|-----|------|-----|----|--------------|--------------|-----|-------|-------------|--------|--------|-------|-------|-------|-------|-------|-------|
| | LTE Band 5 | 10M | QPSK | 25 | 0 | - | Right Cheek | 0mm | Ant 0 | DSI 5 | 26865 | 831.5 | 22.90 | 23.80 | 1.230 | 0.01 | 0.247 | 0.304 |
| | LTE Band 5 | 10M | QPSK | 25 | 0 | - | Right Tilted | 0mm | Ant 0 | DSI 5 | 26865 | 831.5 | 22.90 | 23.80 | 1.230 | 0.06 | 0.055 | 0.068 |
| | LTE Band 5 | 10M | QPSK | 25 | 0 | - | Left Cheek | 0mm | Ant 0 | DSI 5 | 26865 | 831.5 | 22.90 | 23.80 | 1.230 | -0.15 | 0.758 | 0.933 |
| | LTE Band 5 | 10M | QPSK | 25 | 0 | - | Left Tilted | 0mm | Ant 0 | DSI 5 | 26865 | 831.5 | 22.90 | 23.80 | 1.230 | 0.17 | 0.074 | 0.091 |
| | LTE Band 5 | 10M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 0 | DSI 5 | 20525 | 836.5 | 22.88 | 23.80 | 1.236 | 0.02 | 0.703 | 0.869 |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 0 | DSI 5 | 26865 | 831.5 | 23.95 | 24.30 | 1.084 | 0.07 | 0.288 | 0.312 |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 0 | DSI 5 | 26865 | 831.5 | 23.95 | 24.30 | 1.084 | -0.09 | 0.055 | 0.060 |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 0 | DSI 5 | 26865 | 831.5 | 23.95 | 24.30 | 1.084 | 0.06 | 0.747 | 0.810 |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 0 | DSI 5 | 26865 | 831.5 | 23.95 | 24.30 | 1.084 | -0.12 | 0.087 | 0.094 |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 0 | DSI 5 | 26765 | 821.5 | 23.81 | 24.30 | 1.119 | -0.05 | 0.785 | 0.879 |
| 08 | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 0 | DSI 5 | 26965 | 841.5 | 23.83 | 24.30 | 1.114 | 0.11 | 0.923 | 1.028 |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 0 | DSI 10/15 | 26965 | 841.5 | 22.15 | 22.80 | 1.161 | 0.04 | 0.621 | 0.721 |
| | LTE Band 26 | 15M | QPSK | 36 | 0 | - | Right Cheek | 0mm | Ant 0 | DSI 5 | 26865 | 831.5 | 22.76 | 23.30 | 1.132 | 0.04 | 0.240 | 0.272 |
| | LTE Band 26 | 15M | QPSK | 36 | 0 | - | Right Tilted | 0mm | Ant 0 | DSI 5 | 26865 | 831.5 | 22.76 | 23.30 | 1.132 | 0.1 | 0.048 | 0.054 |
| | LTE Band 26 | 15M | QPSK | 36 | 0 | - | Left Cheek | 0mm | Ant 0 | DSI 5 | 26865 | 831.5 | 22.76 | 23.30 | 1.132 | -0.07 | 0.639 | 0.724 |
| | LTE Band 26 | 15M | QPSK | 36 | 0 | - | Left Tilted | 0mm | Ant 0 | DSI 5 | 26865 | 831.5 | 22.76 | 23.30 | 1.132 | -0.1 | 0.074 | 0.084 |
| | LTE Band 26 | 15M | QPSK | 75 | 0 | - | Left Cheek | 0mm | Ant 0 | DSI 5 | 26865 | 831.5 | 22.80 | 23.30 | 1.122 | -0.16 | 0.626 | 0.702 |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 1 | DSI 5/10/15 | 26865 | 831.5 | 24.03 | 24.80 | 1.194 | -0.13 | 0.155 | 0.185 |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 1 | DSI 5/10/15 | 26865 | 831.5 | 24.03 | 24.80 | 1.194 | -0.08 | 0.090 | 0.107 |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 1 | DSI 5/10/15 | 26865 | 831.5 | 24.03 | 24.80 | 1.194 | 0.1 | 0.133 | 0.159 |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 1 | DSI 5/10/15 | 26865 | 831.5 | 24.03 | 24.80 | 1.194 | 0.09 | 0.067 | 0.080 |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 1 | DSI 5/10/15 | 26765 | 821.5 | 24.00 | 24.80 | 1.202 | 0.05 | 0.139 | 0.167 |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 1 | DSI 5/10/15 | 26965 | 841.5 | 23.83 | 24.80 | 1.250 | 0.04 | 0.161 | 0.201 |
| | LTE Band 26 | 15M | QPSK | 36 | 0 | - | Right Cheek | 0mm | Ant 1 | DSI 5/10/15 | 26865 | 831.5 | 22.94 | 23.80 | 1.219 | 0.14 | 0.129 | 0.157 |
| | LTE Band 26 | 15M | QPSK | 36 | 0 | - | Right Tilted | 0mm | Ant 1 | DSI 5/10/15 | 26865 | 831.5 | 22.94 | 23.80 | 1.219 | -0.06 | 0.073 | 0.089 |
| | LTE Band 26 | 15M | QPSK | 36 | 0 | - | Left Cheek | 0mm | Ant 1 | DSI 5/10/15 | 26865 | 831.5 | 22.94 | 23.80 | 1.219 | 0.12 | 0.112 | 0.137 |
| | LTE Band 26 | 15M | QPSK | 36 | 0 | - | Left Tilted | 0mm | Ant 1 | DSI 5/10/15 | 26865 | 831.5 | 22.94 | 23.80 | 1.219 | 0.1 | 0.056 | 0.068 |
| | n5 | 20M | QPSK | 1 | 1 | DFT-15 | Right Cheek | 0mm | Ant 0 | DSI 5 | 167300 | 836.5 | 23.95 | 24.70 | 1.189 | 0.03 | 0.275 | 0.327 |
| | n5 | 20M | QPSK | 1 | 1 | DFT-15 | Right Tilted | 0mm | Ant 0 | DSI 5 | 167300 | 836.5 | 23.95 | 24.70 | 1.189 | 0.03 | 0.058 | 0.069 |
| | n5 | 20M | QPSK | 1 | 1 | DFT-15 | Left Cheek | 0mm | Ant 0 | DSI 5 | 167300 | 836.5 | 23.95 | 24.70 | 1.189 | 0.01 | 0.767 | 0.912 |
| | n5 | 20M | QPSK | 1 | 1 | DFT-15 | Left Tilted | 0mm | Ant 0 | DSI 5 | 167300 | 836.5 | 23.95 | 24.70 | 1.189 | 0.07 | 0.087 | 0.103 |
| | n5 | 20M | QPSK | 50 | 28 | DFT-15 | Right Cheek | 0mm | Ant 0 | DSI 5 | 167300 | 836.5 | 23.92 | 24.70 | 1.197 | 0.04 | 0.315 | 0.377 |
| | n5 | 20M | QPSK | 50 | 28 | DFT-15 | Right Tilted | 0mm | Ant 0 | DSI 5 | 167300 | 836.5 | 23.92 | 24.70 | 1.197 | 0.08 | 0.063 | 0.075 |
| 09 | n5 | 20M | QPSK | 50 | 28 | DFT-15 | Left Cheek | 0mm | Ant 0 | DSI 5 | 167300 | 836.5 | 23.92 | 24.70 | 1.197 | 0.05 | 0.885 | 1.059 |
| | n5 | 20M | QPSK | 50 | 28 | DFT-15 | Left Tilted | 0mm | Ant 0 | DSI 5 | 167300 | 836.5 | 23.92 | 24.70 | 1.197 | -0.11 | 0.102 | 0.122 |
| | n5 | 20M | QPSK | 50 | 28 | DFT-15 | Left Cheek | 0mm | Ant 0 | DSI 10/15 | 167300 | 836.5 | 21.69 | 22.70 | 1.262 | 0.01 | 0.551 | 0.695 |
| | n5 | 20M | QPSK | 100 | 0 | DFT-15 | Left Cheek | 0mm | Ant 0 | DSI 5 | 167300 | 836.5 | 23.55 | 24.70 | 1.303 | 0.03 | 0.705 | 0.919 |
| | n5 | 20M | QPSK | 1 | 1 | DFT-15 | Right Cheek | 0mm | Ant 1 | DSI 5/10/15 | 167300 | 836.5 | 24.00 | 25.20 | 1.318 | 0.07 | 0.159 | 0.210 |
| | n5 | 20M | QPSK | 1 | 1 | DFT-15 | Right Tilted | 0mm | Ant 1 | DSI 5/10/15 | 167300 | 836.5 | 24.00 | 25.20 | 1.318 | 0.15 | 0.092 | 0.121 |
| | n5 | 20M | QPSK | 1 | 1 | DFT-15 | Left Cheek | 0mm | Ant 1 | DSI 5/10/15 | 167300 | 836.5 | 24.00 | 25.20 | 1.318 | 0.05 | 0.135 | 0.178 |
| | n5 | 20M | QPSK | 1 | 1 | DFT-15 | Left Tilted | 0mm | Ant 1 | DSI 5/10/15 | 167300 | 836.5 | 24.00 | 25.20 | 1.318 | -0.11 | 0.064 | 0.084 |
| | n5 | 20M | QPSK | 50 | 28 | DFT-15 | Right Cheek | 0mm | Ant 1 | DSI 5/10/15 | 167300 | 836.5 | 23.95 | 25.20 | 1.334 | -0.13 | 0.150 | 0.200 |
| | n5 | 20M | QPSK | 50 | 28 | DFT-15 | Right Tilted | 0mm | Ant 1 | DSI 5/10/15 | 167300 | 836.5 | 23.95 | 25.20 | 1.334 | 0.05 | 0.091 | 0.121 |
| | n5 | 20M | QPSK | 50 | 28 | DFT-15 | Left Cheek | 0mm | Ant 1 | DSI 5/10/15 | 167300 | 836.5 | 23.95 | 25.20 | 1.334 | 0.03 | 0.130 | 0.173 |
| | n5 | 20M | QPSK | 50 | 28 | DFT-15 | Left Tilted | 0mm | Ant 1 | DSI 5/10/15 | 167300 | 836.5 | 23.95 | 25.20 | 1.334 | -0.09 | 0.059 | 0.079 |
| 1750MHz | | | | | | | | | | | | | | | | | | |
| | WCDMA IV | - | - | - | - | RMC 12.2Kbps | Right Cheek | 0mm | Ant 4 | DSI 5 | 1413 | 1732.6 | 19.43 | 20.50 | 1.279 | -0.04 | 0.784 | 1.003 |
| | WCDMA IV | - | - | - | - | RMC 12.2Kbps | Right Tilted | 0mm | Ant 4 | DSI 5 | 1413 | 1732.6 | 19.43 | 20.50 | 1.279 | 0.15 | 0.271 | 0.347 |
| | WCDMA IV | - | - | - | - | RMC 12.2Kbps | Left Cheek | 0mm | Ant 4 | DSI 5 | 1413 | 1732.6 | 19.43 | 20.50 | 1.279 | 0.05 | 0.207 | 0.265 |
| | WCDMA IV | - | - | - | - | RMC 12.2Kbps | Left Tilted | 0mm | Ant 4 | DSI 5 | 1413 | 1732.6 | 19.43 | 20.50 | 1.279 | 0.01 | 0.115 | 0.147 |
| | WCDMA IV | - | - | - | - | RMC 12.2Kbps | Right Cheek | 0mm | Ant 4 | DSI 5 | 1312 | 1712.4 | 19.42 | 20.50 | 1.282 | -0.06 | 0.793 | 1.017 |
| 10 | WCDMA IV | - | - | - | - | RMC 12.2Kbps | Right Cheek | 0mm | Ant 4 | DSI 5 | 1513 | 1752.6 | 19.38 | 20.50 | 1.294 | -0.01 | 0.889 | 1.151 |
| | WCDMA IV | - | - | - | - | RMC 12.2Kbps | Right Cheek | 0mm | Ant 4 | DSI 10/15 | 1513 | 1752.6 | 17.99 | 19.00 | 1.262 | 0.05 | 0.602 | 0.760 |
| | WCDMA IV | - | - | - | - | RMC 12.2Kbps | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 1413 | 1732.6 | 23.96 | 24.80 | 1.213 | 0.16 | 0.118 | 0.143 |
| | WCDMA IV | - | - | - | - | RMC 12.2Kbps | Right Tilted | 0mm | Ant 5 | DSI 5/10/15 | 1413 | 1732.6 | 23.96 | 24.80 | 1.213 | -0.05 | 0.089 | 0.108 |
| | WCDMA IV | - | - | - | - | RMC 12.2Kbps | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 1413 | 1732.6 | 23.96 | 24.80 | 1.213 | 0.13 | 0.086 | 0.104 |



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| | WCDMA IV | - | - | - | - | RMC 12.2Kbps | Left Tilted | 0mm | Ant 5 | DSI 5/10/15 | 1413 | 1732.6 | 23.96 | 24.80 | 1.213 | 0.09 | 0.078 | 0.095 |
|----|-------------|-----|------|-----|---|--------------|--------------|-----|-------|-------------|--------|--------|-------|-------|-------|-------|-------|--------------|
| | WCDMA IV | - | - | - | - | RMC 12.2Kbps | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 1312 | 1712.4 | 23.90 | 24.80 | 1.230 | 0.1 | 0.112 | 0.138 |
| | WCDMA IV | - | - | - | - | RMC 12.2Kbps | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 1513 | 1752.6 | 23.94 | 24.80 | 1.219 | -0.05 | 0.103 | 0.126 |
| 11 | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 132322 | 1745 | 20.15 | 20.90 | 1.189 | 0.06 | 0.878 | 1.044 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 4 | DSI 5 | 132322 | 1745 | 20.15 | 20.90 | 1.189 | -0.08 | 0.349 | 0.415 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 4 | DSI 5 | 132322 | 1745 | 20.15 | 20.90 | 1.189 | 0.03 | 0.268 | 0.319 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 4 | DSI 5 | 132322 | 1745 | 20.15 | 20.90 | 1.189 | -0.12 | 0.152 | 0.181 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 132072 | 1720 | 19.99 | 20.90 | 1.233 | 0.02 | 0.758 | 0.935 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 132572 | 1770 | 20.14 | 20.90 | 1.191 | -0.07 | 0.814 | 0.970 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 10/15 | 132322 | 1745 | 18.08 | 18.90 | 1.208 | -0.13 | 0.532 | 0.643 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 132322 | 1745 | 20.11 | 20.90 | 1.199 | -0.13 | 0.840 | 1.008 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 4 | DSI 5 | 132322 | 1745 | 20.11 | 20.90 | 1.199 | 0.04 | 0.339 | 0.407 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 4 | DSI 5 | 132322 | 1745 | 20.11 | 20.90 | 1.199 | 0.05 | 0.268 | 0.321 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 4 | DSI 5 | 132322 | 1745 | 20.11 | 20.90 | 1.199 | -0.05 | 0.153 | 0.184 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 132072 | 1720 | 20.07 | 20.90 | 1.211 | -0.11 | 0.762 | 0.922 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 132572 | 1770 | 20.04 | 20.90 | 1.219 | 0.11 | 0.739 | 0.901 |
| | LTE Band 66 | 20M | QPSK | 100 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 132322 | 1745 | 20.09 | 20.90 | 1.205 | 0.05 | 0.800 | 0.964 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 132322 | 1745 | 23.99 | 24.80 | 1.205 | -0.13 | 0.112 | 0.135 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 5 | DSI 5/10/15 | 132322 | 1745 | 23.99 | 24.80 | 1.205 | 0.03 | 0.079 | 0.095 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 132322 | 1745 | 23.99 | 24.80 | 1.205 | 0.04 | 0.086 | 0.104 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 5 | DSI 5/10/15 | 132322 | 1745 | 23.99 | 24.80 | 1.205 | -0.09 | 0.069 | 0.083 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 132072 | 1720 | 23.79 | 24.80 | 1.262 | 0.07 | 0.115 | 0.145 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 132572 | 1770 | 23.89 | 24.80 | 1.233 | -0.14 | 0.100 | 0.123 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 132322 | 1745 | 22.99 | 23.80 | 1.205 | 0.06 | 0.089 | 0.107 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 5 | DSI 5/10/15 | 132322 | 1745 | 22.99 | 23.80 | 1.205 | 0.01 | 0.067 | 0.081 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 132322 | 1745 | 22.99 | 23.80 | 1.205 | -0.12 | 0.065 | 0.078 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 5 | DSI 5/10/15 | 132322 | 1745 | 22.99 | 23.80 | 1.205 | 0.12 | 0.056 | 0.067 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 132322 | 1745 | 16.81 | 17.30 | 1.119 | -0.16 | 0.741 | 0.830 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 132322 | 1745 | 16.81 | 17.30 | 1.119 | -0.15 | 0.858 | 0.960 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 6 | DSI 5 | 132322 | 1745 | 16.81 | 17.30 | 1.119 | 0.07 | 0.569 | 0.637 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 6 | DSI 5 | 132322 | 1745 | 16.81 | 17.30 | 1.119 | 0.11 | 0.701 | 0.785 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 132072 | 1720 | 16.69 | 17.30 | 1.151 | 0.03 | 0.619 | 0.712 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 132572 | 1770 | 16.68 | 17.30 | 1.153 | 0.05 | 0.545 | 0.629 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 132072 | 1720 | 16.69 | 17.30 | 1.151 | -0.1 | 0.811 | 0.933 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 132572 | 1770 | 16.68 | 17.30 | 1.153 | -0.13 | 0.683 | 0.788 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 10/15 | 132322 | 1745 | 16.09 | 16.80 | 1.178 | -0.15 | 0.659 | 0.776 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 132322 | 1745 | 16.75 | 17.30 | 1.135 | -0.09 | 0.753 | 0.855 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 132322 | 1745 | 16.75 | 17.30 | 1.135 | -0.11 | 0.818 | 0.928 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 6 | DSI 5 | 132322 | 1745 | 16.75 | 17.30 | 1.135 | 0.02 | 0.564 | 0.640 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 6 | DSI 5 | 132322 | 1745 | 16.75 | 17.30 | 1.135 | 0.05 | 0.692 | 0.785 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 132072 | 1720 | 16.61 | 17.30 | 1.172 | -0.06 | 0.653 | 0.765 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 132572 | 1770 | 16.73 | 17.30 | 1.140 | 0.04 | 0.541 | 0.617 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 132072 | 1720 | 16.61 | 17.30 | 1.172 | -0.09 | 0.789 | 0.925 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 132572 | 1770 | 16.73 | 17.30 | 1.140 | 0.07 | 0.685 | 0.781 |
| | LTE Band 66 | 20M | QPSK | 100 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 132322 | 1745 | 16.71 | 17.30 | 1.146 | -0.09 | 0.741 | 0.849 |
| | LTE Band 66 | 20M | QPSK | 100 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 132322 | 1745 | 16.71 | 17.30 | 1.146 | -0.11 | 0.801 | 0.918 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 7 | DSI 5 | 132322 | 1745 | 20.63 | 21.70 | 1.279 | 0.07 | 0.527 | 0.674 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 7 | DSI 5 | 132322 | 1745 | 20.63 | 21.70 | 1.279 | 0.07 | 0.119 | 0.152 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 5 | 132322 | 1745 | 20.63 | 21.70 | 1.279 | -0.11 | 0.800 | 1.024 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 7 | DSI 5 | 132322 | 1745 | 20.63 | 21.70 | 1.279 | 0.06 | 0.144 | 0.184 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 5 | 132072 | 1720 | 20.59 | 21.70 | 1.291 | -0.12 | 0.698 | 0.901 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 5 | 132572 | 1770 | 20.61 | 21.70 | 1.285 | 0.16 | 0.658 | 0.846 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 10/15 | 132322 | 1745 | 19.17 | 20.20 | 1.268 | 0.05 | 0.550 | 0.697 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 7 | DSI 5 | 132322 | 1745 | 20.51 | 21.70 | 1.315 | 0.05 | 0.459 | 0.604 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 7 | DSI 5 | 132322 | 1745 | 20.51 | 21.70 | 1.315 | -0.14 | 0.108 | 0.142 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 5 | 132322 | 1745 | 20.51 | 21.70 | 1.315 | -0.15 | 0.759 | 0.998 |



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| | | | | | | | | | | | | | | | | | | |
|----------------|-------------|-----|------|-----|----|------------------------|--------------|-----|-------|-------------|--------|--------|-------|-------|-------|-------|-------|-------|
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 7 | DSI 5 | 132322 | 1745 | 20.51 | 21.70 | 1.315 | -0.04 | 0.136 | 0.179 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 5 | 132072 | 1720 | 20.48 | 21.70 | 1.324 | -0.06 | 0.667 | 0.883 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 5 | 132572 | 1770 | 20.49 | 21.70 | 1.321 | -0.12 | 0.628 | 0.830 |
| | LTE Band 66 | 20M | QPSK | 100 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 5 | 132322 | 1745 | 20.45 | 21.70 | 1.334 | -0.07 | 0.665 | 0.887 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Right Cheek | 0mm | Ant 4 | DSI 5 | 349000 | 1745 | 18.82 | 20.20 | 1.374 | -0.02 | 0.818 | 1.124 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Right Tilted | 0mm | Ant 4 | DSI 5 | 349000 | 1745 | 18.82 | 20.20 | 1.374 | 0.06 | 0.246 | 0.338 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Left Cheek | 0mm | Ant 4 | DSI 5 | 349000 | 1745 | 18.82 | 20.20 | 1.374 | 0.01 | 0.198 | 0.272 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Left Tilted | 0mm | Ant 4 | DSI 5 | 349000 | 1745 | 18.82 | 20.20 | 1.374 | 0.1 | 0.112 | 0.154 |
| 12 | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Right Cheek | 0mm | Ant 4 | DSI 5 | 349000 | 1745 | 18.80 | 20.20 | 1.380 | -0.11 | 0.843 | 1.164 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Right Tilted | 0mm | Ant 4 | DSI 5 | 349000 | 1745 | 18.80 | 20.20 | 1.380 | 0.07 | 0.275 | 0.380 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Left Cheek | 0mm | Ant 4 | DSI 5 | 349000 | 1745 | 18.80 | 20.20 | 1.380 | -0.07 | 0.215 | 0.297 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Left Tilted | 0mm | Ant 4 | DSI 5 | 349000 | 1745 | 18.80 | 20.20 | 1.380 | 0.14 | 0.124 | 0.171 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Right Cheek | 0mm | Ant 4 | DSI 10/15 | 349000 | 1745 | 17.17 | 18.20 | 1.268 | 0.11 | 0.559 | 0.709 |
| | n66 | 40M | QPSK | 216 | 0 | DFT-15 | Right Cheek | 0mm | Ant 4 | DSI 5 | 349000 | 1745 | 18.74 | 20.20 | 1.400 | -0.02 | 0.770 | 1.078 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 349000 | 1745 | 24.30 | 25.20 | 1.230 | 0.15 | 0.201 | 0.247 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Right Tilted | 0mm | Ant 5 | DSI 5/10/15 | 349000 | 1745 | 24.30 | 25.20 | 1.230 | 0.04 | 0.123 | 0.151 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 349000 | 1745 | 24.30 | 25.20 | 1.230 | 0.04 | 0.138 | 0.170 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Left Tilted | 0mm | Ant 5 | DSI 5/10/15 | 349000 | 1745 | 24.30 | 25.20 | 1.230 | 0.15 | 0.117 | 0.144 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 349000 | 1745 | 24.28 | 25.20 | 1.236 | 0.13 | 0.177 | 0.219 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Right Tilted | 0mm | Ant 5 | DSI 5/10/15 | 349000 | 1745 | 24.28 | 25.20 | 1.236 | 0.11 | 0.133 | 0.164 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 349000 | 1745 | 24.28 | 25.20 | 1.236 | -0.09 | 0.137 | 0.169 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Left Tilted | 0mm | Ant 5 | DSI 5/10/15 | 349000 | 1745 | 24.28 | 25.20 | 1.236 | -0.16 | 0.109 | 0.135 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Right Cheek | 0mm | Ant 6 | DSI 5 | 349000 | 1745 | 16.00 | 16.70 | 1.175 | 0.05 | 0.602 | 0.707 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Right Tilted | 0mm | Ant 6 | DSI 5 | 349000 | 1745 | 16.00 | 16.70 | 1.175 | -0.06 | 0.715 | 0.840 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Left Cheek | 0mm | Ant 6 | DSI 5 | 349000 | 1745 | 16.00 | 16.70 | 1.175 | 0.03 | 0.448 | 0.526 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Left Tilted | 0mm | Ant 6 | DSI 5 | 349000 | 1745 | 16.00 | 16.70 | 1.175 | -0.12 | 0.518 | 0.609 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Right Cheek | 0mm | Ant 6 | DSI 5 | 349000 | 1745 | 15.93 | 16.70 | 1.194 | -0.08 | 0.594 | 0.709 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Right Tilted | 0mm | Ant 6 | DSI 5 | 349000 | 1745 | 15.93 | 16.70 | 1.194 | 0.08 | 0.843 | 1.007 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Left Cheek | 0mm | Ant 6 | DSI 5 | 349000 | 1745 | 15.93 | 16.70 | 1.194 | -0.11 | 0.449 | 0.536 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Left Tilted | 0mm | Ant 6 | DSI 5 | 349000 | 1745 | 15.93 | 16.70 | 1.194 | 0.15 | 0.544 | 0.650 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Right Tilted | 0mm | Ant 6 | DSI 10/15 | 349000 | 1745 | 14.30 | 15.20 | 1.230 | -0.13 | 0.566 | 0.696 |
| | n66 | 40M | QPSK | 216 | 0 | DFT-15 | Right Tilted | 0mm | Ant 6 | DSI 5 | 349000 | 1745 | 15.89 | 16.70 | 1.205 | 0.05 | 0.687 | 0.828 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Right Cheek | 0mm | Ant 7 | DSI 5 | 349000 | 1745 | 20.64 | 22.20 | 1.432 | -0.06 | 0.467 | 0.669 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Right Tilted | 0mm | Ant 7 | DSI 5 | 349000 | 1745 | 20.64 | 22.20 | 1.432 | -0.16 | 0.110 | 0.158 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Left Cheek | 0mm | Ant 7 | DSI 5 | 349000 | 1745 | 20.64 | 22.20 | 1.432 | -0.16 | 0.686 | 0.982 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Left Tilted | 0mm | Ant 7 | DSI 5 | 349000 | 1745 | 20.64 | 22.20 | 1.432 | 0.16 | 0.120 | 0.172 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Right Cheek | 0mm | Ant 7 | DSI 5 | 349000 | 1745 | 20.60 | 22.20 | 1.445 | 0.12 | 0.454 | 0.656 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Right Tilted | 0mm | Ant 7 | DSI 5 | 349000 | 1745 | 20.60 | 22.20 | 1.445 | -0.09 | 0.114 | 0.165 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Left Cheek | 0mm | Ant 7 | DSI 5 | 349000 | 1745 | 20.60 | 22.20 | 1.445 | 0.08 | 0.727 | 1.051 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Left Tilted | 0mm | Ant 7 | DSI 5 | 349000 | 1745 | 20.60 | 22.20 | 1.445 | 0.03 | 0.122 | 0.176 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Left Cheek | 0mm | Ant 7 | DSI 10/15 | 349000 | 1745 | 18.73 | 20.20 | 1.403 | 0.06 | 0.483 | 0.678 |
| | n66 | 40M | QPSK | 216 | 0 | DFT-15 | Left Cheek | 0mm | Ant 7 | DSI 5 | 349000 | 1745 | 20.53 | 22.20 | 1.469 | 0.12 | 0.633 | 0.930 |
| 1900MHZ | | | | | | | | | | | | | | | | | | |
| | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Right Cheek | 0mm | Ant 4 | DSI 5 | 661 | 1880 | 22.66 | 24.00 | 1.361 | -0.16 | 0.673 | 0.916 |
| | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Right Tilted | 0mm | Ant 4 | DSI 5 | 661 | 1880 | 22.66 | 24.00 | 1.361 | -0.14 | 0.254 | 0.346 |
| | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Left Cheek | 0mm | Ant 4 | DSI 5 | 661 | 1880 | 22.66 | 24.00 | 1.361 | 0.05 | 0.209 | 0.285 |
| | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Left Tilted | 0mm | Ant 4 | DSI 5 | 661 | 1880 | 22.66 | 24.00 | 1.361 | 0.14 | 0.103 | 0.140 |
| 13 | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Right Cheek | 0mm | Ant 4 | DSI 5 | 512 | 1850.2 | 22.63 | 24.00 | 1.371 | -0.04 | 0.767 | 1.051 |
| | GSM1900 | - | - | - | - | DTM Multi-slot class 9 | Right Cheek | 0mm | Ant 4 | DSI 5 | 512 | 1850.2 | 19.69 | 20.98 | 1.346 | 0.07 | 0.704 | 0.947 |
| | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Right Cheek | 0mm | Ant 4 | DSI 5 | 810 | 1909.8 | 22.55 | 24.00 | 1.396 | 0.08 | 0.632 | 0.883 |
| | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Right Cheek | 0mm | Ant 4 | DSI 10/15 | 512 | 1850.2 | 21.58 | 22.50 | 1.236 | -0.14 | 0.585 | 0.723 |
| | GSM1900 | - | - | - | - | DTM Multi-slot class 9 | Right Cheek | 0mm | Ant 4 | DSI 10/15 | 512 | 1850.2 | 18.33 | 19.48 | 1.303 | 0.02 | 0.532 | 0.693 |
| | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 661 | 1880 | 24.00 | 25.50 | 1.413 | -0.01 | 0.080 | 0.113 |
| | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Right Tilted | 0mm | Ant 5 | DSI 5/10/15 | 661 | 1880 | 24.00 | 25.50 | 1.413 | 0.09 | 0.074 | 0.105 |
| | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 661 | 1880 | 24.00 | 25.50 | 1.413 | -0.04 | 0.064 | 0.090 |
| | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Left Tilted | 0mm | Ant 5 | DSI 5/10/15 | 661 | 1880 | 24.00 | 25.50 | 1.413 | -0.01 | 0.060 | 0.085 |



FCC SAR TEST REPORT

Report No. : FA2O2001

| | | | | | | | | | | | | | | | | | | |
|----|-------------|-----|------|-----|---|------------------------|--------------|-----|-------|-------------|-------|--------|-------|-------|-------|-------|-------|-------|
| | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 512 | 1850.2 | 23.92 | 25.50 | 1.439 | 0.12 | 0.080 | 0.115 |
| | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 810 | 1909.8 | 23.94 | 25.50 | 1.432 | -0.15 | 0.092 | 0.132 |
| | GSM1900 | - | - | - | - | DTM Multi-slot class 9 | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 810 | 1909.8 | 20.27 | 21.98 | 1.483 | 0.01 | 0.071 | 0.105 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Right Cheek | 0mm | Ant 4 | DSI 5 | 9400 | 1880 | 20.45 | 21.50 | 1.274 | -0.09 | 0.868 | 1.105 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Right Tilted | 0mm | Ant 4 | DSI 5 | 9400 | 1880 | 20.45 | 21.50 | 1.274 | -0.09 | 0.331 | 0.422 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Left Cheek | 0mm | Ant 4 | DSI 5 | 9400 | 1880 | 20.45 | 21.50 | 1.274 | 0.01 | 0.266 | 0.339 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Left Tilted | 0mm | Ant 4 | DSI 5 | 9400 | 1880 | 20.45 | 21.50 | 1.274 | 0.06 | 0.140 | 0.178 |
| 14 | WCDMA II | - | - | - | - | RMC 12.2Kbps | Right Cheek | 0mm | Ant 4 | DSI 5 | 9262 | 1852.4 | 20.40 | 21.50 | 1.288 | 0.09 | 0.885 | 1.140 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Right Cheek | 0mm | Ant 4 | DSI 5 | 9538 | 1907.6 | 20.39 | 21.50 | 1.291 | -0.01 | 0.837 | 1.081 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Right Cheek | 0mm | Ant 4 | DSI 10/15 | 9262 | 1852.4 | 18.83 | 19.50 | 1.167 | -0.14 | 0.595 | 0.694 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 9400 | 1880 | 23.86 | 24.80 | 1.242 | 0.14 | 0.139 | 0.173 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Right Tilted | 0mm | Ant 5 | DSI 5/10/15 | 9400 | 1880 | 23.86 | 24.80 | 1.242 | 0.15 | 0.102 | 0.127 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 9400 | 1880 | 23.86 | 24.80 | 1.242 | -0.09 | 0.090 | 0.112 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Left Tilted | 0mm | Ant 5 | DSI 5/10/15 | 9400 | 1880 | 23.86 | 24.80 | 1.242 | -0.01 | 0.091 | 0.113 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 9262 | 1852.4 | 23.82 | 24.80 | 1.253 | 0.16 | 0.123 | 0.154 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 9538 | 1907.6 | 23.81 | 24.80 | 1.256 | -0.01 | 0.128 | 0.161 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 26340 | 1880 | 20.77 | 21.40 | 1.156 | 0.12 | 0.773 | 0.894 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 4 | DSI 5 | 26340 | 1880 | 20.77 | 21.40 | 1.156 | -0.12 | 0.312 | 0.361 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 4 | DSI 5 | 26340 | 1880 | 20.77 | 21.40 | 1.156 | 0.05 | 0.236 | 0.273 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 4 | DSI 5 | 26340 | 1880 | 20.77 | 21.40 | 1.156 | 0.01 | 0.131 | 0.151 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 26140 | 1860 | 20.60 | 21.40 | 1.202 | -0.14 | 0.832 | 1.000 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 26590 | 1905 | 20.63 | 21.40 | 1.194 | 0.12 | 0.759 | 0.906 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 10/15 | 26140 | 1860 | 18.92 | 19.90 | 1.253 | 0.06 | 0.569 | 0.713 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 26340 | 1880 | 20.68 | 21.40 | 1.180 | -0.01 | 0.777 | 0.917 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 4 | DSI 5 | 26340 | 1880 | 20.68 | 21.40 | 1.180 | 0.15 | 0.312 | 0.368 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 4 | DSI 5 | 26340 | 1880 | 20.68 | 21.40 | 1.180 | -0.15 | 0.244 | 0.288 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 4 | DSI 5 | 26340 | 1880 | 20.68 | 21.40 | 1.180 | 0.05 | 0.133 | 0.157 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 26140 | 1860 | 20.66 | 21.40 | 1.186 | -0.04 | 0.830 | 0.984 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 26590 | 1905 | 20.65 | 21.40 | 1.189 | 0.14 | 0.773 | 0.919 |
| | LTE Band 25 | 20M | QPSK | 100 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 26340 | 1880 | 20.70 | 21.40 | 1.175 | 0.04 | 0.781 | 0.918 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 26340 | 1880 | 23.92 | 24.80 | 1.225 | 0.15 | 0.101 | 0.124 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 5 | DSI 5/10/15 | 26340 | 1880 | 23.92 | 24.80 | 1.225 | -0.06 | 0.053 | 0.065 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 26340 | 1880 | 23.92 | 24.80 | 1.225 | 0.13 | 0.065 | 0.080 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 5 | DSI 5/10/15 | 26340 | 1880 | 23.92 | 24.80 | 1.225 | -0.08 | 0.052 | 0.064 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 26140 | 1860 | 23.85 | 24.80 | 1.245 | -0.01 | 0.073 | 0.091 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 26590 | 1905 | 23.84 | 24.80 | 1.247 | 0.05 | 0.078 | 0.097 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 26340 | 1880 | 22.98 | 23.80 | 1.208 | -0.07 | 0.089 | 0.107 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 5 | DSI 5/10/15 | 26340 | 1880 | 22.98 | 23.80 | 1.208 | 0.13 | 0.059 | 0.071 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 26340 | 1880 | 22.98 | 23.80 | 1.208 | 0.05 | 0.062 | 0.075 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 5 | DSI 5/10/15 | 26340 | 1880 | 22.98 | 23.80 | 1.208 | -0.12 | 0.052 | 0.063 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 26340 | 1880 | 16.79 | 17.80 | 1.262 | 0.12 | 0.786 | 0.992 |
| 15 | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 26340 | 1880 | 16.79 | 17.80 | 1.262 | 0.05 | 0.914 | 1.153 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 6 | DSI 5 | 26340 | 1880 | 16.79 | 17.80 | 1.262 | -0.12 | 0.601 | 0.758 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 6 | DSI 5 | 26340 | 1880 | 16.79 | 17.80 | 1.262 | -0.01 | 0.735 | 0.927 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 26140 | 1860 | 16.74 | 17.80 | 1.276 | -0.05 | 0.771 | 0.984 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 26590 | 1905 | 16.68 | 17.80 | 1.294 | -0.04 | 0.747 | 0.967 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 26140 | 1860 | 16.74 | 17.80 | 1.276 | -0.12 | 0.873 | 1.114 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 26590 | 1905 | 16.68 | 17.80 | 1.294 | 0.08 | 0.798 | 1.033 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 6 | DSI 5 | 26140 | 1860 | 16.74 | 17.80 | 1.276 | -0.14 | 0.696 | 0.888 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 6 | DSI 5 | 26590 | 1905 | 16.68 | 17.80 | 1.294 | -0.15 | 0.674 | 0.872 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 10/15 | 26340 | 1880 | 15.27 | 16.30 | 1.268 | 0.14 | 0.588 | 0.745 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 26340 | 1880 | 16.70 | 17.80 | 1.288 | -0.09 | 0.811 | 1.045 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 26340 | 1880 | 16.70 | 17.80 | 1.288 | 0.07 | 0.866 | 1.116 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 6 | DSI 5 | 26340 | 1880 | 16.70 | 17.80 | 1.288 | -0.02 | 0.588 | 0.757 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 6 | DSI 5 | 26340 | 1880 | 16.70 | 17.80 | 1.288 | 0.02 | 0.748 | 0.964 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 26140 | 1860 | 16.62 | 17.80 | 1.312 | 0.11 | 0.718 | 0.942 |



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|----|-------------|-----|------|-----|----|--------|--------------|-----|-------|-------------|--------|--------|-------|-------|-------|-------|-------|-------|
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 26590 | 1905 | 16.68 | 17.80 | 1.294 | 0.07 | 0.704 | 0.911 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 26140 | 1860 | 16.62 | 17.80 | 1.312 | -0.04 | 0.845 | 1.109 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 26590 | 1905 | 16.68 | 17.80 | 1.294 | 0.13 | 0.797 | 1.031 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 6 | DSI 5 | 26140 | 1860 | 16.62 | 17.80 | 1.312 | -0.11 | 0.691 | 0.907 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 6 | DSI 5 | 26590 | 1905 | 16.68 | 17.80 | 1.294 | 0.08 | 0.654 | 0.846 |
| | LTE Band 25 | 20M | QPSK | 100 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 26340 | 1880 | 16.63 | 17.80 | 1.309 | -0.09 | 0.823 | 1.077 |
| | LTE Band 25 | 20M | QPSK | 100 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 26340 | 1880 | 16.63 | 17.80 | 1.309 | 0.07 | 0.840 | 1.100 |
| | LTE Band 25 | 20M | QPSK | 100 | 0 | - | Left Cheek | 0mm | Ant 6 | DSI 5 | 26340 | 1880 | 16.63 | 17.80 | 1.309 | 0.09 | 0.598 | 0.783 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 7 | DSI 5 | 26340 | 1880 | 21.71 | 22.70 | 1.256 | 0.05 | 0.531 | 0.667 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 7 | DSI 5 | 26340 | 1880 | 21.71 | 22.70 | 1.256 | 0.14 | 0.101 | 0.127 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 5 | 26340 | 1880 | 21.71 | 22.70 | 1.256 | 0.12 | 0.659 | 0.828 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 7 | DSI 5 | 26340 | 1880 | 21.71 | 22.70 | 1.256 | -0.16 | 0.131 | 0.165 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 5 | 26140 | 1860 | 21.69 | 22.70 | 1.262 | -0.13 | 0.715 | 0.902 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 5 | 26590 | 1905 | 21.61 | 22.70 | 1.285 | -0.09 | 0.630 | 0.810 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 10/15 | 26140 | 1860 | 20.09 | 21.20 | 1.291 | -0.16 | 0.499 | 0.644 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 7 | DSI 5 | 26340 | 1880 | 20.92 | 22.20 | 1.343 | 0.07 | 0.541 | 0.726 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 7 | DSI 5 | 26340 | 1880 | 20.92 | 22.20 | 1.343 | -0.05 | 0.100 | 0.134 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 5 | 26340 | 1880 | 20.92 | 22.20 | 1.343 | 0.06 | 0.623 | 0.837 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 7 | DSI 5 | 26340 | 1880 | 20.92 | 22.20 | 1.343 | -0.02 | 0.133 | 0.179 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 5 | 26140 | 1860 | 20.87 | 22.20 | 1.358 | 0.09 | 0.630 | 0.856 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 5 | 26590 | 1905 | 20.84 | 22.20 | 1.368 | 0.13 | 0.603 | 0.825 |
| | LTE Band 25 | 20M | QPSK | 100 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 5 | 26340 | 1880 | 20.84 | 22.20 | 1.368 | -0.08 | 0.601 | 0.822 |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Right Cheek | 0mm | Ant 4 | DSI 5 | 376500 | 1882.5 | 21.00 | 21.70 | 1.175 | -0.06 | 0.868 | 1.020 |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Right Tilted | 0mm | Ant 4 | DSI 5 | 376500 | 1882.5 | 21.00 | 21.70 | 1.175 | 0.08 | 0.292 | 0.343 |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Left Cheek | 0mm | Ant 4 | DSI 5 | 376500 | 1882.5 | 21.00 | 21.70 | 1.175 | -0.03 | 0.283 | 0.332 |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Left Tilted | 0mm | Ant 4 | DSI 5 | 376500 | 1882.5 | 21.00 | 21.70 | 1.175 | 0.08 | 0.130 | 0.153 |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Right Cheek | 0mm | Ant 4 | DSI 5 | 376500 | 1882.5 | 20.95 | 21.70 | 1.189 | -0.16 | 0.913 | 1.085 |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Right Tilted | 0mm | Ant 4 | DSI 5 | 376500 | 1882.5 | 20.95 | 21.70 | 1.189 | -0.08 | 0.293 | 0.348 |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Left Cheek | 0mm | Ant 4 | DSI 5 | 376500 | 1882.5 | 20.95 | 21.70 | 1.189 | 0.01 | 0.287 | 0.341 |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Left Tilted | 0mm | Ant 4 | DSI 5 | 376500 | 1882.5 | 20.95 | 21.70 | 1.189 | 0.07 | 0.131 | 0.156 |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Right Cheek | 0mm | Ant 4 | DSI 10/15 | 376500 | 1882.5 | 19.08 | 19.70 | 1.153 | 0.02 | 0.588 | 0.678 |
| | n25 | 40M | QPSK | 216 | 0 | DFT-15 | Right Cheek | 0mm | Ant 4 | DSI 5 | 376500 | 1882.5 | 20.82 | 21.70 | 1.225 | -0.06 | 0.797 | 0.976 |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 376500 | 1882.5 | 24.25 | 25.20 | 1.245 | 0.14 | 0.206 | 0.256 |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Right Tilted | 0mm | Ant 5 | DSI 5/10/15 | 376500 | 1882.5 | 24.25 | 25.20 | 1.245 | 0.02 | 0.142 | 0.177 |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 376500 | 1882.5 | 24.25 | 25.20 | 1.245 | 0.03 | 0.126 | 0.157 |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Left Tilted | 0mm | Ant 5 | DSI 5/10/15 | 376500 | 1882.5 | 24.25 | 25.20 | 1.245 | -0.14 | 0.124 | 0.154 |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 376500 | 1882.5 | 24.24 | 25.20 | 1.247 | 0.02 | 0.180 | 0.225 |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Right Tilted | 0mm | Ant 5 | DSI 5/10/15 | 376500 | 1882.5 | 24.24 | 25.20 | 1.247 | -0.1 | 0.145 | 0.181 |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 376500 | 1882.5 | 24.24 | 25.20 | 1.247 | 0.06 | 0.137 | 0.171 |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Left Tilted | 0mm | Ant 5 | DSI 5/10/15 | 376500 | 1882.5 | 24.24 | 25.20 | 1.247 | -0.09 | 0.127 | 0.158 |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Right Cheek | 0mm | Ant 6 | DSI 5 | 376500 | 1882.5 | 17.18 | 17.70 | 1.127 | 0.16 | 0.666 | 0.751 |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Right Tilted | 0mm | Ant 6 | DSI 5 | 376500 | 1882.5 | 17.18 | 17.70 | 1.127 | -0.02 | 0.810 | 0.913 |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Left Cheek | 0mm | Ant 6 | DSI 5 | 376500 | 1882.5 | 17.18 | 17.70 | 1.127 | 0.04 | 0.560 | 0.631 |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Left Tilted | 0mm | Ant 6 | DSI 5 | 376500 | 1882.5 | 17.18 | 17.70 | 1.127 | 0.05 | 0.675 | 0.761 |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Right Cheek | 0mm | Ant 6 | DSI 5 | 376500 | 1882.5 | 17.05 | 17.70 | 1.161 | -0.06 | 0.671 | 0.779 |
| 16 | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Right Tilted | 0mm | Ant 6 | DSI 5 | 376500 | 1882.5 | 17.05 | 17.70 | 1.161 | 0.13 | 0.939 | 1.091 |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Left Cheek | 0mm | Ant 6 | DSI 5 | 376500 | 1882.5 | 17.05 | 17.70 | 1.161 | 0.08 | 0.541 | 0.628 |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Left Tilted | 0mm | Ant 6 | DSI 5 | 376500 | 1882.5 | 17.05 | 17.70 | 1.161 | 0.13 | 0.628 | 0.729 |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Right Tilted | 0mm | Ant 6 | DSI 10/15 | 376500 | 1882.5 | 14.93 | 15.70 | 1.194 | -0.04 | 0.571 | 0.682 |
| | n25 | 40M | QPSK | 216 | 0 | DFT-15 | Right Tilted | 0mm | Ant 6 | DSI 5 | 376500 | 1882.5 | 17.01 | 17.70 | 1.172 | 0.03 | 0.759 | 0.890 |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Right Cheek | 0mm | Ant 7 | DSI 5 | 376500 | 1882.5 | 21.99 | 23.10 | 1.291 | 0.08 | 0.419 | 0.541 |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Right Tilted | 0mm | Ant 7 | DSI 5 | 376500 | 1882.5 | 21.99 | 23.10 | 1.291 | -0.06 | 0.117 | 0.151 |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Left Cheek | 0mm | Ant 7 | DSI 5 | 376500 | 1882.5 | 21.99 | 23.10 | 1.291 | 0.07 | 0.783 | 1.011 |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Left Tilted | 0mm | Ant 7 | DSI 5 | 376500 | 1882.5 | 21.99 | 23.10 | 1.291 | -0.1 | 0.153 | 0.198 |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Left Cheek | 0mm | Ant 7 | DSI 10/15 | 376500 | 1882.5 | 20.55 | 21.70 | 1.303 | 0.1 | 0.542 | 0.706 |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Right Cheek | 0mm | Ant 7 | DSI 5 | 376500 | 1882.5 | 21.95 | 23.10 | 1.303 | 0.11 | 0.418 | 0.545 |



FCC SAR TEST REPORT

Report No. : FA2O2001

| | | | | | | | | | | | | | | | | | | |
|----------------|-------------|-----|------|-----|----|--------|--------------|-----|-------|-------------|--------|--------|-------|-------|-------|-------|-------|-------|
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Right Tilted | 0mm | Ant 7 | DSI 5 | 376500 | 1882.5 | 21.95 | 23.10 | 1.303 | 0.04 | 0.119 | 0.155 |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Left Cheek | 0mm | Ant 7 | DSI 5 | 376500 | 1882.5 | 21.95 | 23.10 | 1.303 | -0.14 | 0.750 | 0.977 |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Left Tilted | 0mm | Ant 7 | DSI 5 | 376500 | 1882.5 | 21.95 | 23.10 | 1.303 | 0.02 | 0.152 | 0.198 |
| | n25 | 40M | QPSK | 216 | 0 | DFT-15 | Left Cheek | 0mm | Ant 7 | DSI 5 | 376500 | 1882.5 | 21.93 | 23.10 | 1.309 | 0.05 | 0.720 | 0.943 |
| 2300MHZ | | | | | | | | | | | | | | | | | | |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 27710 | 2310 | 19.75 | 20.40 | 1.161 | 0.05 | 0.852 | 0.990 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 4 | DSI 5 | 27710 | 2310 | 19.75 | 20.40 | 1.161 | -0.03 | 0.377 | 0.438 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 4 | DSI 5 | 27710 | 2310 | 19.75 | 20.40 | 1.161 | 0.13 | 0.291 | 0.338 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 4 | DSI 5 | 27710 | 2310 | 19.75 | 20.40 | 1.161 | -0.15 | 0.170 | 0.197 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 10/15 | 27710 | 2310 | 18.08 | 18.90 | 1.208 | 0.16 | 0.565 | 0.682 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 27710 | 2310 | 19.69 | 20.40 | 1.178 | -0.15 | 0.820 | 0.966 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Right Tilted | 0mm | Ant 4 | DSI 5 | 27710 | 2310 | 19.69 | 20.40 | 1.178 | 0.15 | 0.375 | 0.442 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Left Cheek | 0mm | Ant 4 | DSI 5 | 27710 | 2310 | 19.69 | 20.40 | 1.178 | -0.15 | 0.290 | 0.342 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Left Tilted | 0mm | Ant 4 | DSI 5 | 27710 | 2310 | 19.69 | 20.40 | 1.178 | -0.1 | 0.163 | 0.192 |
| | LTE Band 30 | 10M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 27710 | 2310 | 19.68 | 20.40 | 1.180 | 0.04 | 0.811 | 0.957 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 27710 | 2310 | 23.68 | 24.30 | 1.153 | -0.04 | 0.044 | 0.051 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 5 | DSI 5/10/15 | 27710 | 2310 | 23.68 | 24.30 | 1.153 | 0.08 | 0.006 | 0.007 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 27710 | 2310 | 23.68 | 24.30 | 1.153 | 0.05 | 0.150 | 0.173 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 5 | DSI 5/10/15 | 27710 | 2310 | 23.68 | 24.30 | 1.153 | 0.06 | 0.011 | 0.013 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 27710 | 2310 | 22.76 | 23.30 | 1.132 | 0.02 | 0.035 | 0.040 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Right Tilted | 0mm | Ant 5 | DSI 5/10/15 | 27710 | 2310 | 22.76 | 23.30 | 1.132 | 0.04 | 0.004 | 0.004 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 27710 | 2310 | 22.76 | 23.30 | 1.132 | 0.13 | 0.123 | 0.139 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Left Tilted | 0mm | Ant 5 | DSI 5/10/15 | 27710 | 2310 | 22.76 | 23.30 | 1.132 | 0.02 | 0.010 | 0.011 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 27710 | 2310 | 16.81 | 17.30 | 1.119 | -0.1 | 0.649 | 0.727 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 27710 | 2310 | 16.81 | 17.30 | 1.119 | -0.11 | 0.913 | 1.022 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 6 | DSI 5 | 27710 | 2310 | 16.81 | 17.30 | 1.119 | 0.16 | 0.566 | 0.634 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 6 | DSI 5 | 27710 | 2310 | 16.81 | 17.30 | 1.119 | 0.14 | 0.497 | 0.556 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 10/15 | 27710 | 2310 | 14.70 | 15.30 | 1.148 | 0.01 | 0.560 | 0.643 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 27710 | 2310 | 16.77 | 17.30 | 1.130 | 0.06 | 0.650 | 0.734 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 27710 | 2310 | 16.77 | 17.30 | 1.130 | 0.13 | 0.820 | 0.926 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Left Cheek | 0mm | Ant 6 | DSI 5 | 27710 | 2310 | 16.77 | 17.30 | 1.130 | 0.16 | 0.542 | 0.612 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Left Tilted | 0mm | Ant 6 | DSI 5 | 27710 | 2310 | 16.77 | 17.30 | 1.130 | -0.02 | 0.435 | 0.491 |
| | LTE Band 30 | 10M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 27710 | 2310 | 16.70 | 17.30 | 1.148 | 0.13 | 0.725 | 0.832 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 7 | DSI 5 | 27710 | 2310 | 21.51 | 22.10 | 1.146 | 0.01 | 0.492 | 0.564 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 7 | DSI 5 | 27710 | 2310 | 21.51 | 22.10 | 1.146 | -0.12 | 0.228 | 0.261 |
| 17 | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 5 | 27710 | 2310 | 21.51 | 22.10 | 1.146 | 0.01 | 0.896 | 1.026 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 7 | DSI 5 | 27710 | 2310 | 21.51 | 22.10 | 1.146 | 0.01 | 0.195 | 0.223 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 10/15 | 27710 | 2310 | 20.01 | 20.60 | 1.146 | 0.01 | 0.605 | 0.693 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Right Cheek | 0mm | Ant 7 | DSI 5 | 27710 | 2310 | 21.37 | 22.10 | 1.183 | 0.06 | 0.483 | 0.571 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Right Tilted | 0mm | Ant 7 | DSI 5 | 27710 | 2310 | 21.37 | 22.10 | 1.183 | -0.12 | 0.220 | 0.260 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 5 | 27710 | 2310 | 21.37 | 22.10 | 1.183 | 0.01 | 0.783 | 0.926 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Left Tilted | 0mm | Ant 7 | DSI 5 | 27710 | 2310 | 21.37 | 22.10 | 1.183 | -0.03 | 0.185 | 0.219 |
| | LTE Band 30 | 10M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 5 | 27710 | 2310 | 21.33 | 22.10 | 1.194 | 0.06 | 0.745 | 0.890 |
| 18 | n30 | 10M | QPSK | 1 | 1 | DFT-15 | Right Cheek | 0mm | Ant 4 | DSI 5 | 462000 | 2310 | 19.19 | 20.50 | 1.352 | -0.14 | 0.820 | 1.109 |
| | n30 | 10M | QPSK | 1 | 1 | DFT-15 | Right Tilted | 0mm | Ant 4 | DSI 5 | 462000 | 2310 | 19.19 | 20.50 | 1.352 | -0.16 | 0.351 | 0.475 |
| | n30 | 10M | QPSK | 1 | 1 | DFT-15 | Left Cheek | 0mm | Ant 4 | DSI 5 | 462000 | 2310 | 19.19 | 20.50 | 1.352 | -0.06 | 0.289 | 0.391 |
| | n30 | 10M | QPSK | 1 | 1 | DFT-15 | Left Tilted | 0mm | Ant 4 | DSI 5 | 462000 | 2310 | 19.19 | 20.50 | 1.352 | -0.1 | 0.153 | 0.207 |
| | n30 | 10M | QPSK | 1 | 1 | DFT-15 | Right Cheek | 0mm | Ant 4 | DSI 10/15 | 462000 | 2310 | 17.30 | 18.50 | 1.318 | -0.14 | 0.529 | 0.697 |
| | n30 | 10M | QPSK | 25 | 14 | DFT-15 | Right Cheek | 0mm | Ant 4 | DSI 5 | 462000 | 2310 | 19.16 | 20.50 | 1.361 | -0.13 | 0.806 | 1.097 |
| | n30 | 10M | QPSK | 25 | 14 | DFT-15 | Right Tilted | 0mm | Ant 4 | DSI 5 | 462000 | 2310 | 19.16 | 20.50 | 1.361 | -0.01 | 0.345 | 0.470 |
| | n30 | 10M | QPSK | 25 | 14 | DFT-15 | Left Cheek | 0mm | Ant 4 | DSI 5 | 462000 | 2310 | 19.16 | 20.50 | 1.361 | 0.16 | 0.282 | 0.384 |
| | n30 | 10M | QPSK | 25 | 14 | DFT-15 | Left Tilted | 0mm | Ant 4 | DSI 5 | 462000 | 2310 | 19.16 | 20.50 | 1.361 | -0.14 | 0.153 | 0.208 |
| | n30 | 10M | QPSK | 50 | 0 | DFT-15 | Right Cheek | 0mm | Ant 4 | DSI 5 | 462000 | 2310 | 19.02 | 20.50 | 1.406 | -0.06 | 0.731 | 1.028 |
| | n30 | 10M | QPSK | 1 | 1 | DFT-15 | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 462000 | 2310 | 24.13 | 24.70 | 1.140 | -0.06 | 0.135 | 0.154 |
| | n30 | 10M | QPSK | 1 | 1 | DFT-15 | Right Tilted | 0mm | Ant 5 | DSI 5/10/15 | 462000 | 2310 | 24.13 | 24.70 | 1.140 | -0.05 | 0.063 | 0.072 |
| | n30 | 10M | QPSK | 1 | 1 | DFT-15 | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 462000 | 2310 | 24.13 | 24.70 | 1.140 | 0.11 | 0.145 | 0.165 |



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| | | | | | | | | | | | | | | | | | |
|-----|-----|------|----|----|--------|--------------|-----|-------|-------------|--------|------|-------|-------|-------|-------|-------|-------|
| n30 | 10M | QPSK | 1 | 1 | DFT-15 | Left Tilted | 0mm | Ant 5 | DSI 5/10/15 | 462000 | 2310 | 24.13 | 24.70 | 1.140 | -0.1 | 0.052 | 0.059 |
| n30 | 10M | QPSK | 25 | 14 | DFT-15 | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 462000 | 2310 | 24.00 | 24.70 | 1.175 | -0.09 | 0.134 | 0.157 |
| n30 | 10M | QPSK | 25 | 14 | DFT-15 | Right Tilted | 0mm | Ant 5 | DSI 5/10/15 | 462000 | 2310 | 24.00 | 24.70 | 1.175 | 0.09 | 0.067 | 0.079 |
| n30 | 10M | QPSK | 25 | 14 | DFT-15 | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 462000 | 2310 | 24.00 | 24.70 | 1.175 | 0.08 | 0.135 | 0.159 |
| n30 | 10M | QPSK | 25 | 14 | DFT-15 | Left Tilted | 0mm | Ant 5 | DSI 5/10/15 | 462000 | 2310 | 24.00 | 24.70 | 1.175 | -0.02 | 0.048 | 0.056 |

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Mode | Test Position | Gap (mm) | 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) |
|----------------|-------------|----------|------------|---------|-----------|------|---------------|----------|---------|-------------|-------------|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
| 2600MHZ | | | | | | | | | | | | | | | | | | | | |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 21100 | 2535 | 20.61 | 21.20 | 1.146 | - | - | 0.03 | 0.898 | 1.029 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 4 | DSI 5 | 21100 | 2535 | 20.61 | 21.20 | 1.146 | - | - | 0.12 | 0.353 | 0.404 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 4 | DSI 5 | 21100 | 2535 | 20.61 | 21.20 | 1.146 | - | - | -0.03 | 0.370 | 0.424 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 4 | DSI 5 | 21100 | 2535 | 20.61 | 21.20 | 1.146 | - | - | 0.07 | 0.167 | 0.191 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 20850 | 2510 | 20.55 | 21.20 | 1.161 | - | - | 0.02 | 0.818 | 0.950 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 21350 | 2560 | 20.57 | 21.20 | 1.156 | - | - | -0.07 | 0.837 | 0.968 |
| | LTE Band 7C | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 21350+21152 | 2560+2540.2 | 20.55 | 21.20 | 1.161 | - | - | 0.06 | 0.854 | 0.992 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 10/15 | 21100 | 2535 | 19.85 | 20.20 | 1.084 | - | - | -0.05 | 0.673 | 0.729 |
| | LTE Band 7C | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 10/15 | 21350+21152 | 2560+2540.2 | 19.52 | 20.20 | 1.169 | - | - | 0.09 | 0.609 | 0.712 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 21100 | 2535 | 20.52 | 21.20 | 1.169 | - | - | -0.08 | 0.875 | 1.023 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 4 | DSI 5 | 21100 | 2535 | 20.52 | 21.20 | 1.169 | - | - | -0.09 | 0.357 | 0.418 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 4 | DSI 5 | 21100 | 2535 | 20.52 | 21.20 | 1.169 | - | - | 0.08 | 0.380 | 0.444 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 4 | DSI 5 | 21100 | 2535 | 20.52 | 21.20 | 1.169 | - | - | 0.02 | 0.167 | 0.195 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 20850 | 2510 | 20.51 | 21.20 | 1.172 | - | - | -0.03 | 0.816 | 0.957 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 21350 | 2560 | 20.43 | 21.20 | 1.194 | - | - | -0.11 | 0.829 | 0.990 |
| | LTE Band 7 | 20M | QPSK | 100 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 21100 | 2535 | 20.43 | 21.20 | 1.194 | - | - | 0.03 | 0.835 | 0.997 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 21100 | 2535 | 23.58 | 24.10 | 1.127 | - | - | 0.16 | 0.097 | 0.109 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 5 | DSI 5/10/15 | 21100 | 2535 | 23.58 | 24.10 | 1.127 | - | - | 0.09 | 0.046 | 0.052 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 21100 | 2535 | 23.58 | 24.10 | 1.127 | - | - | 0.16 | 0.155 | 0.175 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 5 | DSI 5/10/15 | 21100 | 2535 | 23.58 | 24.10 | 1.127 | - | - | -0.07 | 0.010 | 0.011 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 20850 | 2510 | 23.52 | 24.10 | 1.143 | - | - | -0.14 | 0.110 | 0.126 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 21350 | 2560 | 23.55 | 24.10 | 1.135 | - | - | -0.16 | 0.100 | 0.114 |
| | LTE Band 7C | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 21350+21152 | 2560+2540.2 | 23.25 | 24.10 | 1.216 | - | - | 0.06 | 0.098 | 0.119 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 21100 | 2535 | 22.60 | 23.10 | 1.122 | - | - | -0.03 | 0.080 | 0.090 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 5 | DSI 5/10/15 | 21100 | 2535 | 22.60 | 23.10 | 1.122 | - | - | -0.03 | 0.035 | 0.039 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 21100 | 2535 | 22.60 | 23.10 | 1.122 | - | - | -0.12 | 0.110 | 0.123 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 5 | DSI 5/10/15 | 21100 | 2535 | 22.60 | 23.10 | 1.122 | - | - | -0.07 | 0.009 | 0.010 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 21100 | 2535 | 13.81 | 14.80 | 1.256 | - | - | -0.14 | 0.538 | 0.676 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 21100 | 2535 | 13.81 | 14.80 | 1.256 | - | - | -0.09 | 0.804 | 1.010 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 6 | DSI 5 | 21100 | 2535 | 13.81 | 14.80 | 1.256 | - | - | -0.01 | 0.495 | 0.622 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 6 | DSI 5 | 21100 | 2535 | 13.81 | 14.80 | 1.256 | - | - | 0.04 | 0.627 | 0.788 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 20850 | 2510 | 13.74 | 14.80 | 1.276 | - | - | 0.16 | 0.636 | 0.812 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 21350 | 2560 | 13.77 | 14.80 | 1.268 | - | - | 0.11 | 0.782 | 0.991 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 10/15 | 21100 | 2535 | 12.27 | 13.30 | 1.268 | - | - | -0.04 | 0.563 | 0.714 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 21100 | 2535 | 13.66 | 14.80 | 1.300 | - | - | -0.13 | 0.545 | 0.709 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 21100 | 2535 | 13.66 | 14.80 | 1.300 | - | - | 0.11 | 0.728 | 0.947 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 6 | DSI 5 | 21100 | 2535 | 13.66 | 14.80 | 1.300 | - | - | 0.03 | 0.515 | 0.670 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 6 | DSI 5 | 21100 | 2535 | 13.66 | 14.80 | 1.300 | - | - | 0.15 | 0.610 | 0.793 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 20850 | 2510 | 13.57 | 14.80 | 1.327 | - | - | -0.05 | 0.615 | 0.816 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 21350 | 2560 | 13.60 | 14.80 | 1.318 | - | - | -0.08 | 0.691 | 0.911 |
| | LTE Band 7 | 20M | QPSK | 100 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 21100 | 2535 | 13.56 | 14.80 | 1.330 | - | - | -0.13 | 0.697 | 0.927 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 7 | DSI 5 | 21100 | 2535 | 20.84 | 21.60 | 1.191 | - | - | 0.01 | 0.544 | 0.648 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 7 | DSI 5 | 21100 | 2535 | 20.84 | 21.60 | 1.191 | - | - | -0.14 | 0.163 | 0.194 |
| 19 | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 5 | 21100 | 2535 | 20.84 | 21.60 | 1.191 | - | - | -0.06 | 0.915 | 1.090 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 7 | DSI 5 | 21100 | 2535 | 20.84 | 21.60 | 1.191 | - | - | 0.12 | 0.276 | 0.329 |



FCC SAR TEST REPORT

Report No. : FA2O2001

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|------------------|-----|------|-----|---|---|--------------|-----|-------|-------------|-------------|---------------|-------|-------|-------|------|-------|-------|-------|-------|
| LTE Band 7 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 5 | 20850 | 2510 | 20.77 | 21.60 | 1.211 | - | - | 0.12 | 0.781 | 0.945 |
| LTE Band 7 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 5 | 21350 | 2560 | 20.70 | 21.60 | 1.230 | - | - | -0.04 | 0.800 | 0.984 |
| LTE Band 7 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 10/15 | 21100 | 2535 | 18.63 | 19.60 | 1.250 | - | - | 0.12 | 0.506 | 0.633 |
| LTE Band 7 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 7 | DSI 5 | 21100 | 2535 | 20.74 | 21.60 | 1.219 | - | - | 0.03 | 0.553 | 0.674 |
| LTE Band 7 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 7 | DSI 5 | 21100 | 2535 | 20.74 | 21.60 | 1.219 | - | - | 0.12 | 0.161 | 0.196 |
| LTE Band 7 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 5 | 21100 | 2535 | 20.74 | 21.60 | 1.219 | - | - | 0.15 | 0.674 | 0.822 |
| LTE Band 7 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 7 | DSI 5 | 21100 | 2535 | 20.74 | 21.60 | 1.219 | - | - | -0.02 | 0.284 | 0.346 |
| LTE Band 7 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 5 | 20850 | 2510 | 20.70 | 21.60 | 1.230 | - | - | -0.06 | 0.528 | 0.650 |
| LTE Band 7 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 5 | 21350 | 2560 | 20.59 | 21.60 | 1.262 | - | - | -0.12 | 0.577 | 0.728 |
| LTE Band 7 | 20M | QPSK | 100 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 5 | 21100 | 2535 | 20.70 | 21.60 | 1.230 | - | - | -0.11 | 0.661 | 0.813 |
| LTE Band 41 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 40620 | 2593 | 22.90 | 23.40 | 1.122 | 62.9 | 1.006 | -0.01 | 0.722 | 0.815 |
| LTE Band 41 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 4 | DSI 5 | 40620 | 2593 | 22.90 | 23.40 | 1.122 | 62.9 | 1.006 | -0.04 | 0.388 | 0.438 |
| LTE Band 41 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 4 | DSI 5 | 40620 | 2593 | 22.90 | 23.40 | 1.122 | 62.9 | 1.006 | -0.12 | 0.371 | 0.419 |
| LTE Band 41 | 20M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 4 | DSI 5 | 40620 | 2593 | 22.90 | 23.40 | 1.122 | 62.9 | 1.006 | 0.01 | 0.159 | 0.179 |
| LTE Band 41 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 39750 | 2506 | 22.85 | 23.40 | 1.135 | 62.9 | 1.006 | -0.05 | 0.701 | 0.800 |
| LTE Band 41 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 40185 | 2549.5 | 22.89 | 23.40 | 1.125 | 62.9 | 1.006 | 0.05 | 0.715 | 0.809 |
| LTE Band 41 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 41055 | 2636.5 | 22.85 | 23.40 | 1.135 | 62.9 | 1.006 | 0.12 | 0.869 | 0.992 |
| LTE Band 41 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 41490 | 2680 | 22.86 | 23.40 | 1.132 | 62.9 | 1.006 | -0.03 | 0.735 | 0.837 |
| LTE Band 41C | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 40185+40383 | 2549.5+2569.3 | 22.78 | 23.40 | 1.153 | 62.9 | 1.006 | -0.16 | 0.714 | 0.829 |
| LTE Band 41_PC2 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 41055 | 2636.5 | 24.66 | 25.40 | 1.186 | 42.9 | 1.009 | -0.08 | 0.898 | 1.074 |
| LTE Band 41C_PC2 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 40185+40383 | 2549.5+2569.3 | 24.02 | 24.40 | 1.091 | 42.9 | 1.009 | 0.05 | 0.746 | 0.822 |
| LTE Band 41 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 10/15 | 41055 | 2636.5 | 21.26 | 22.30 | 1.271 | 62.9 | 1.006 | 0.12 | 0.584 | 0.746 |
| LTE Band 41C | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 10/15 | 40185+40383 | 2549.5+2569.3 | 21.23 | 22.30 | 1.279 | 62.9 | 1.006 | 0.08 | 0.507 | 0.653 |
| LTE Band 41_PC2 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 10/15 | 41055 | 2636.5 | 23.09 | 23.90 | 1.205 | 42.9 | 1.009 | -0.08 | 0.618 | 0.751 |
| LTE Band 41C_PC2 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 10/15 | 40185+40383 | 2549.5+2569.3 | 23.02 | 23.90 | 1.225 | 42.9 | 1.009 | 0.04 | 0.516 | 0.638 |
| LTE Band 41 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 40620 | 2593 | 21.69 | 22.40 | 1.178 | 62.9 | 1.006 | -0.12 | 0.574 | 0.680 |
| LTE Band 41 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 4 | DSI 5 | 40620 | 2593 | 21.69 | 22.40 | 1.178 | 62.9 | 1.006 | -0.09 | 0.289 | 0.342 |
| LTE Band 41 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 4 | DSI 5 | 40620 | 2593 | 21.69 | 22.40 | 1.178 | 62.9 | 1.006 | -0.16 | 0.293 | 0.347 |
| LTE Band 41 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 4 | DSI 5 | 40620 | 2593 | 21.69 | 22.40 | 1.178 | 62.9 | 1.006 | 0.04 | 0.126 | 0.149 |
| LTE Band 41 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 39750 | 2506 | 21.54 | 22.40 | 1.219 | 62.9 | 1.006 | -0.13 | 0.556 | 0.682 |
| LTE Band 41 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 40185 | 2549.5 | 21.58 | 22.40 | 1.208 | 62.9 | 1.006 | 0.05 | 0.563 | 0.684 |
| LTE Band 41 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 41055 | 2636.5 | 21.35 | 22.40 | 1.274 | 62.9 | 1.006 | 0.11 | 0.604 | 0.774 |
| LTE Band 41 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 41490 | 2680 | 21.25 | 22.40 | 1.303 | 62.9 | 1.006 | -0.05 | 0.570 | 0.747 |
| LTE Band 41 | 20M | QPSK | 100 | 0 | - | Right Cheek | 0mm | Ant 4 | DSI 5 | 40620 | 2593 | 21.68 | 22.40 | 1.180 | 62.9 | 1.006 | 0.12 | 0.564 | 0.670 |
| LTE Band 41 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 40620 | 2593 | 24.30 | 24.80 | 1.122 | 62.9 | 1.006 | -0.14 | 0.098 | 0.111 |
| LTE Band 41 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 5 | DSI 5/10/15 | 40620 | 2593 | 24.30 | 24.80 | 1.122 | 62.9 | 1.006 | -0.07 | 0.051 | 0.058 |
| LTE Band 41 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 40620 | 2593 | 24.30 | 24.80 | 1.122 | 62.9 | 1.006 | 0.08 | 0.109 | 0.123 |
| LTE Band 41 | 20M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 5 | DSI 5/10/15 | 40620 | 2593 | 24.30 | 24.80 | 1.122 | 62.9 | 1.006 | 0.12 | 0.040 | 0.045 |
| LTE Band 41 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 39750 | 2506 | 24.26 | 24.80 | 1.132 | 62.9 | 1.006 | -0.03 | 0.112 | 0.128 |
| LTE Band 41 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 40185 | 2549.5 | 24.25 | 24.80 | 1.135 | 62.9 | 1.006 | -0.01 | 0.113 | 0.129 |
| LTE Band 41 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 41055 | 2636.5 | 24.23 | 24.80 | 1.140 | 62.9 | 1.006 | 0.13 | 0.075 | 0.086 |
| LTE Band 41 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 41490 | 2680 | 24.27 | 24.80 | 1.130 | 62.9 | 1.006 | 0.11 | 0.050 | 0.057 |
| LTE Band 41C | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 41490+41292 | 2680+2660.2 | 23.97 | 24.80 | 1.211 | 62.9 | 1.006 | 0.02 | 0.087 | 0.106 |
| LTE Band 41_PC2 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 40185 | 2549.5 | 26.09 | 26.80 | 1.178 | 42.9 | 1.009 | 0.09 | 0.126 | 0.150 |
| LTE Band 41C_PC2 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 41490+41292 | 2680+2660.2 | 25.32 | 25.80 | 1.117 | 42.9 | 1.009 | 0.03 | 0.098 | 0.110 |
| LTE Band 41 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 40620 | 2593 | 23.25 | 23.80 | 1.135 | 62.9 | 1.006 | 0.05 | 0.078 | 0.089 |
| LTE Band 41 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 5 | DSI 5/10/15 | 40620 | 2593 | 23.25 | 23.80 | 1.135 | 62.9 | 1.006 | -0.05 | 0.040 | 0.046 |
| LTE Band 41 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 40620 | 2593 | 23.25 | 23.80 | 1.135 | 62.9 | 1.006 | -0.01 | 0.080 | 0.091 |
| LTE Band 41 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 5 | DSI 5/10/15 | 40620 | 2593 | 23.25 | 23.80 | 1.135 | 62.9 | 1.006 | 0.05 | 0.032 | 0.037 |
| LTE Band 41 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 40620 | 2593 | 16.67 | 17.20 | 1.130 | 62.9 | 1.006 | 0.09 | 0.623 | 0.708 |
| LTE Band 41 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 40620 | 2593 | 16.67 | 17.20 | 1.130 | 62.9 | 1.006 | 0.04 | 0.768 | 0.873 |
| LTE Band 41 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 6 | DSI 5 | 40620 | 2593 | 16.67 | 17.20 | 1.130 | 62.9 | 1.006 | 0.04 | 0.564 | 0.641 |
| LTE Band 41 | 20M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 6 | DSI 5 | 40620 | 2593 | 16.67 | 17.20 | 1.130 | 62.9 | 1.006 | 0.14 | 0.755 | 0.858 |
| LTE Band 41 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 39750 | 2506 | 16.56 | 17.20 | 1.159 | 62.9 | 1.006 | 0.06 | 0.640 | 0.746 |



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|----|-----------------|-----|------|-----|----|--------|--------------|-----|-------|-------------|--------|--------|-------|-------|-------|------|-------|-------|-------|-------|
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 40185 | 2549.5 | 16.58 | 17.20 | 1.153 | 62.9 | 1.006 | 0.02 | 0.695 | 0.806 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 41055 | 2636.5 | 16.50 | 17.20 | 1.175 | 62.9 | 1.006 | -0.08 | 0.685 | 0.810 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 41490 | 2680 | 16.52 | 17.20 | 1.169 | 62.9 | 1.006 | -0.04 | 0.629 | 0.740 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 39750 | 2506 | 16.56 | 17.20 | 1.159 | 62.9 | 1.006 | 0.08 | 0.518 | 0.604 |
| 20 | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 40185 | 2549.5 | 16.58 | 17.20 | 1.153 | 62.9 | 1.006 | -0.03 | 0.945 | 1.097 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 41055 | 2636.5 | 16.50 | 17.20 | 1.175 | 62.9 | 1.006 | 0.01 | 0.772 | 0.912 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 41490 | 2680 | 16.52 | 17.20 | 1.169 | 62.9 | 1.006 | 0.09 | 0.653 | 0.768 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 6 | DSI 5 | 39750 | 2506 | 16.56 | 17.20 | 1.159 | 62.9 | 1.006 | -0.12 | 0.588 | 0.685 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 6 | DSI 5 | 40185 | 2549.5 | 16.58 | 17.20 | 1.153 | 62.9 | 1.006 | -0.13 | 0.592 | 0.687 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 6 | DSI 5 | 41055 | 2636.5 | 16.50 | 17.20 | 1.175 | 62.9 | 1.006 | 0.06 | 0.596 | 0.704 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 6 | DSI 5 | 41490 | 2680 | 16.52 | 17.20 | 1.169 | 62.9 | 1.006 | 0.02 | 0.569 | 0.669 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 6 | DSI 5 | 39750 | 2506 | 16.56 | 17.20 | 1.159 | 62.9 | 1.006 | 0.11 | 0.720 | 0.839 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 6 | DSI 5 | 40185 | 2549.5 | 16.58 | 17.20 | 1.153 | 62.9 | 1.006 | 0.04 | 0.742 | 0.861 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 6 | DSI 5 | 41055 | 2636.5 | 16.50 | 17.20 | 1.175 | 62.9 | 1.006 | 0.05 | 0.750 | 0.886 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 6 | DSI 5 | 41490 | 2680 | 16.52 | 17.20 | 1.169 | 62.9 | 1.006 | 0.08 | 0.733 | 0.862 |
| | LTE Band 41_PC2 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 40185 | 2549.5 | 18.22 | 18.80 | 1.143 | 42.9 | 1.009 | -0.04 | 0.932 | 1.075 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 10/15 | 40185 | 2549.5 | 14.51 | 15.20 | 1.172 | 62.9 | 1.006 | 0.06 | 0.544 | 0.642 |
| | LTE Band 41_PC2 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 10/15 | 40185 | 2549.5 | 16.28 | 16.80 | 1.127 | 42.9 | 1.009 | 0.04 | 0.570 | 0.648 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 40620 | 2593 | 16.58 | 17.20 | 1.153 | 62.9 | 1.006 | -0.01 | 0.622 | 0.722 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 40620 | 2593 | 16.58 | 17.20 | 1.153 | 62.9 | 1.006 | 0.01 | 0.774 | 0.898 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 6 | DSI 5 | 40620 | 2593 | 16.58 | 17.20 | 1.153 | 62.9 | 1.006 | -0.16 | 0.570 | 0.661 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 6 | DSI 5 | 40620 | 2593 | 16.58 | 17.20 | 1.153 | 62.9 | 1.006 | 0.11 | 0.747 | 0.867 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 39750 | 2506 | 16.36 | 17.20 | 1.213 | 62.9 | 1.006 | -0.1 | 0.505 | 0.616 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 40185 | 2549.5 | 16.52 | 17.20 | 1.169 | 62.9 | 1.006 | -0.02 | 0.550 | 0.647 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 41055 | 2636.5 | 16.47 | 17.20 | 1.183 | 62.9 | 1.006 | 0 | 0.566 | 0.674 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 41490 | 2680 | 16.51 | 17.20 | 1.172 | 62.9 | 1.006 | -0.07 | 0.522 | 0.616 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 39750 | 2506 | 16.36 | 17.20 | 1.213 | 62.9 | 1.006 | -0.12 | 0.618 | 0.754 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 40185 | 2549.5 | 16.52 | 17.20 | 1.169 | 62.9 | 1.006 | 0.08 | 0.837 | 0.985 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 41055 | 2636.5 | 16.47 | 17.20 | 1.183 | 62.9 | 1.006 | 0.15 | 0.767 | 0.913 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 41490 | 2680 | 16.51 | 17.20 | 1.172 | 62.9 | 1.006 | -0.13 | 0.618 | 0.729 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 6 | DSI 5 | 39750 | 2506 | 16.36 | 17.20 | 1.213 | 62.9 | 1.006 | -0.03 | 0.440 | 0.537 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 6 | DSI 5 | 40185 | 2549.5 | 16.52 | 17.20 | 1.169 | 62.9 | 1.006 | 0 | 0.520 | 0.612 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 6 | DSI 5 | 41055 | 2636.5 | 16.47 | 17.20 | 1.183 | 62.9 | 1.006 | -0.09 | 0.550 | 0.655 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 6 | DSI 5 | 41490 | 2680 | 16.51 | 17.20 | 1.172 | 62.9 | 1.006 | 0.06 | 0.480 | 0.566 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 6 | DSI 5 | 39750 | 2506 | 16.36 | 17.20 | 1.213 | 62.9 | 1.006 | 0.01 | 0.630 | 0.769 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 6 | DSI 5 | 40185 | 2549.5 | 16.52 | 17.20 | 1.169 | 62.9 | 1.006 | 0.11 | 0.720 | 0.847 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 6 | DSI 5 | 41055 | 2636.5 | 16.47 | 17.20 | 1.183 | 62.9 | 1.006 | 0.08 | 0.670 | 0.797 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 6 | DSI 5 | 41490 | 2680 | 16.51 | 17.20 | 1.172 | 62.9 | 1.006 | 0.15 | 0.610 | 0.719 |
| | LTE Band 41 | 20M | QPSK | 100 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 40620 | 2593 | 16.50 | 17.20 | 1.175 | 62.9 | 1.006 | -0.01 | 0.600 | 0.709 |
| | LTE Band 41 | 20M | QPSK | 100 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 40620 | 2593 | 16.50 | 17.20 | 1.175 | 62.9 | 1.006 | 0.01 | 0.790 | 0.934 |
| | LTE Band 41 | 20M | QPSK | 100 | 0 | - | Left Cheek | 0mm | Ant 6 | DSI 5 | 40620 | 2593 | 16.50 | 17.20 | 1.175 | 62.9 | 1.006 | 0.04 | 0.545 | 0.644 |
| | LTE Band 41 | 20M | QPSK | 100 | 0 | - | Left Tilted | 0mm | Ant 6 | DSI 5 | 40620 | 2593 | 16.50 | 17.20 | 1.175 | 62.9 | 1.006 | 0.14 | 0.761 | 0.899 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Right Cheek | 0mm | Ant 4 | DSI 5 | 507000 | 2535 | 18.75 | 20.00 | 1.334 | - | - | 0.12 | 0.755 | 1.007 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Right Tilted | 0mm | Ant 4 | DSI 5 | 507000 | 2535 | 18.75 | 20.00 | 1.334 | - | - | -0.1 | 0.278 | 0.371 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Left Cheek | 0mm | Ant 4 | DSI 5 | 507000 | 2535 | 18.75 | 20.00 | 1.334 | - | - | -0.01 | 0.383 | 0.511 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Left Tilted | 0mm | Ant 4 | DSI 5 | 507000 | 2535 | 18.75 | 20.00 | 1.334 | - | - | 0.1 | 0.169 | 0.225 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Right Cheek | 0mm | Ant 4 | DSI 5 | 507000 | 2535 | 18.69 | 20.00 | 1.352 | - | - | -0.12 | 0.806 | 1.090 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Right Tilted | 0mm | Ant 4 | DSI 5 | 507000 | 2535 | 18.69 | 20.00 | 1.352 | - | - | -0.08 | 0.270 | 0.365 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Left Cheek | 0mm | Ant 4 | DSI 5 | 507000 | 2535 | 18.69 | 20.00 | 1.352 | - | - | 0.15 | 0.322 | 0.435 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Left Tilted | 0mm | Ant 4 | DSI 5 | 507000 | 2535 | 18.69 | 20.00 | 1.352 | - | - | 0.05 | 0.158 | 0.214 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Right Cheek | 0mm | Ant 4 | DSI 10/15 | 507000 | 2535 | 17.85 | 19.50 | 1.462 | - | - | 0.01 | 0.525 | 0.768 |
| | n7 | 40M | QPSK | 216 | 0 | DFT-15 | Right Cheek | 0mm | Ant 4 | DSI 5 | 507000 | 2535 | 18.68 | 20.00 | 1.355 | - | - | 0.02 | 0.710 | 0.962 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 507000 | 2535 | 23.20 | 24.70 | 1.413 | - | - | -0.01 | 0.137 | 0.194 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Right Tilted | 0mm | Ant 5 | DSI 5/10/15 | 507000 | 2535 | 23.20 | 24.70 | 1.413 | - | - | -0.14 | 0.086 | 0.121 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 507000 | 2535 | 23.20 | 24.70 | 1.413 | - | - | 0.12 | 0.161 | 0.227 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Left Tilted | 0mm | Ant 5 | DSI 5/10/15 | 507000 | 2535 | 23.20 | 24.70 | 1.413 | - | - | -0.11 | 0.045 | 0.064 |



FCC SAR TEST REPORT

Report No. : FA2O2001

| | | | | | | | | | | | | | | | | | | | | |
|----|------------------|------|------|-----|----|--------|--------------|-----|-------|-------------|--------|---------|-------|-------|-------|---|---|-------|-------|-------|
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 507000 | 2535 | 23.19 | 24.70 | 1.416 | - | - | -0.03 | 0.130 | 0.184 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Right Tilted | 0mm | Ant 5 | DSI 5/10/15 | 507000 | 2535 | 23.19 | 24.70 | 1.416 | - | - | -0.11 | 0.081 | 0.115 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 507000 | 2535 | 23.19 | 24.70 | 1.416 | - | - | 0.08 | 0.153 | 0.217 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Left Tilted | 0mm | Ant 5 | DSI 5/10/15 | 507000 | 2535 | 23.19 | 24.70 | 1.416 | - | - | 0.09 | 0.044 | 0.062 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Right Cheek | 0mm | Ant 6 | DSI 5 | 507000 | 2535 | 13.90 | 15.20 | 1.349 | - | - | 0.1 | 0.479 | 0.646 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Right Tilted | 0mm | Ant 6 | DSI 5 | 507000 | 2535 | 13.90 | 15.20 | 1.349 | - | - | -0.01 | 0.800 | 1.079 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Left Cheek | 0mm | Ant 6 | DSI 5 | 507000 | 2535 | 13.90 | 15.20 | 1.349 | - | - | -0.03 | 0.408 | 0.550 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Left Tilted | 0mm | Ant 6 | DSI 5 | 507000 | 2535 | 13.90 | 15.20 | 1.349 | - | - | -0.08 | 0.500 | 0.674 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Right Cheek | 0mm | Ant 6 | DSI 5 | 507000 | 2535 | 13.88 | 15.20 | 1.355 | - | - | -0.09 | 0.478 | 0.648 |
| 21 | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Right Tilted | 0mm | Ant 6 | DSI 5 | 507000 | 2535 | 13.88 | 15.20 | 1.355 | - | - | -0.04 | 0.832 | 1.128 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Left Cheek | 0mm | Ant 6 | DSI 5 | 507000 | 2535 | 13.88 | 15.20 | 1.355 | - | - | 0.1 | 0.412 | 0.558 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Left Tilted | 0mm | Ant 6 | DSI 5 | 507000 | 2535 | 13.88 | 15.20 | 1.355 | - | - | 0.12 | 0.506 | 0.686 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Right Tilted | 0mm | Ant 6 | DSI 10/15 | 507000 | 2535 | 11.76 | 13.20 | 1.393 | - | - | 0.15 | 0.513 | 0.715 |
| | n7 | 40M | QPSK | 216 | 0 | DFT-15 | Right Tilted | 0mm | Ant 6 | DSI 5 | 507000 | 2535 | 13.82 | 15.20 | 1.374 | - | - | 0.05 | 0.715 | 0.982 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Right Cheek | 0mm | Ant 7 | DSI 5 | 507000 | 2535 | 20.97 | 22.00 | 1.268 | - | - | -0.03 | 0.590 | 0.748 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Right Tilted | 0mm | Ant 7 | DSI 5 | 507000 | 2535 | 20.97 | 22.00 | 1.268 | - | - | -0.02 | 0.150 | 0.190 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Left Cheek | 0mm | Ant 7 | DSI 5 | 507000 | 2535 | 20.97 | 22.00 | 1.268 | - | - | -0.06 | 0.636 | 0.806 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Left Tilted | 0mm | Ant 7 | DSI 5 | 507000 | 2535 | 20.97 | 22.00 | 1.268 | - | - | 0.14 | 0.207 | 0.262 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Right Cheek | 0mm | Ant 7 | DSI 5 | 507000 | 2535 | 20.93 | 22.00 | 1.279 | - | - | 0.03 | 0.609 | 0.779 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Right Tilted | 0mm | Ant 7 | DSI 5 | 507000 | 2535 | 20.93 | 22.00 | 1.279 | - | - | -0.1 | 0.143 | 0.183 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Left Cheek | 0mm | Ant 7 | DSI 5 | 507000 | 2535 | 20.93 | 22.00 | 1.279 | - | - | -0.08 | 0.710 | 0.908 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Left Tilted | 0mm | Ant 7 | DSI 5 | 507000 | 2535 | 20.93 | 22.00 | 1.279 | - | - | -0.01 | 0.231 | 0.296 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Left Cheek | 0mm | Ant 7 | DSI 10/15 | 507000 | 2535 | 18.90 | 20.00 | 1.288 | - | - | 0.1 | 0.456 | 0.587 |
| | n7 | 40M | QPSK | 216 | 0 | DFT-15 | Left Cheek | 0mm | Ant 7 | DSI 5 | 507000 | 2535 | 20.84 | 22.00 | 1.306 | - | - | 0.03 | 0.529 | 0.691 |
| | n38 | 30M | QPSK | 1 | 1 | DFT-30 | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 519000 | 2595 | 24.25 | 25.20 | 1.245 | - | - | -0.12 | 0.134 | 0.167 |
| | n38 | 30M | QPSK | 1 | 1 | DFT-30 | Right Tilted | 0mm | Ant 5 | DSI 5/10/15 | 519000 | 2595 | 24.25 | 25.20 | 1.245 | - | - | 0.15 | 0.091 | 0.113 |
| | n38 | 30M | QPSK | 1 | 1 | DFT-30 | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 519000 | 2595 | 24.25 | 25.20 | 1.245 | - | - | -0.07 | 0.167 | 0.208 |
| | n38 | 30M | QPSK | 1 | 1 | DFT-30 | Left Tilted | 0mm | Ant 5 | DSI 5/10/15 | 519000 | 2595 | 24.25 | 25.20 | 1.245 | - | - | 0.08 | 0.045 | 0.056 |
| | n38 | 30M | QPSK | 36 | 22 | DFT-30 | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 519000 | 2595 | 24.11 | 25.20 | 1.285 | - | - | 0.09 | 0.133 | 0.171 |
| | n38 | 30M | QPSK | 36 | 22 | DFT-30 | Right Tilted | 0mm | Ant 5 | DSI 5/10/15 | 519000 | 2595 | 24.11 | 25.20 | 1.285 | - | - | -0.06 | 0.087 | 0.112 |
| | n38 | 30M | QPSK | 36 | 22 | DFT-30 | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 519000 | 2595 | 24.11 | 25.20 | 1.285 | - | - | 0.13 | 0.150 | 0.193 |
| | n38 | 30M | QPSK | 36 | 22 | DFT-30 | Left Tilted | 0mm | Ant 5 | DSI 5/10/15 | 519000 | 2595 | 24.11 | 25.20 | 1.285 | - | - | -0.05 | 0.043 | 0.055 |
| | n38 | 30M | QPSK | 1 | 1 | DFT-30 | Right Cheek | 0mm | Ant 7 | DSI 5 | 519000 | 2595 | 21.82 | 23.00 | 1.312 | - | - | 0.06 | 0.450 | 0.590 |
| | n38 | 30M | QPSK | 1 | 1 | DFT-30 | Right Tilted | 0mm | Ant 7 | DSI 5 | 519000 | 2595 | 21.82 | 23.00 | 1.312 | - | - | 0.06 | 0.129 | 0.169 |
| | n38 | 30M | QPSK | 1 | 1 | DFT-30 | Left Cheek | 0mm | Ant 7 | DSI 5 | 519000 | 2595 | 21.82 | 23.00 | 1.312 | - | - | -0.14 | 0.685 | 0.899 |
| | n38 | 30M | QPSK | 1 | 1 | DFT-30 | Left Tilted | 0mm | Ant 7 | DSI 5 | 519000 | 2595 | 21.82 | 23.00 | 1.312 | - | - | 0.15 | 0.251 | 0.329 |
| | n38 | 30M | QPSK | 36 | 22 | DFT-30 | Right Cheek | 0mm | Ant 7 | DSI 5 | 519000 | 2595 | 21.72 | 23.00 | 1.343 | - | - | 0.01 | 0.473 | 0.635 |
| | n38 | 30M | QPSK | 36 | 22 | DFT-30 | Right Tilted | 0mm | Ant 7 | DSI 5 | 519000 | 2595 | 21.72 | 23.00 | 1.343 | - | - | -0.1 | 0.181 | 0.243 |
| 22 | n38 | 30M | QPSK | 36 | 22 | DFT-30 | Left Cheek | 0mm | Ant 7 | DSI 5 | 519000 | 2595 | 21.72 | 23.00 | 1.343 | - | - | 0.07 | 0.722 | 0.969 |
| | n38 | 30M | QPSK | 36 | 22 | DFT-30 | Left Tilted | 0mm | Ant 7 | DSI 5 | 519000 | 2595 | 21.72 | 23.00 | 1.343 | - | - | 0.15 | 0.270 | 0.363 |
| | n38 | 30M | QPSK | 36 | 22 | DFT-30 | Left Cheek | 0mm | Ant 7 | DSI 10/15 | 519000 | 2595 | 19.63 | 21.00 | 1.371 | - | - | 0.07 | 0.462 | 0.633 |
| | n38 | 30M | QPSK | 75 | 0 | DFT-30 | Left Cheek | 0mm | Ant 7 | DSI 5 | 519000 | 2595 | 21.63 | 23.00 | 1.371 | - | - | 0.06 | 0.665 | 0.912 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Cheek | 0mm | Ant 4 | DSI 5 | 518598 | 2592.99 | 20.70 | 21.20 | 1.122 | - | - | 0.1 | 0.945 | 1.060 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Tilted | 0mm | Ant 4 | DSI 5 | 518598 | 2592.99 | 20.70 | 21.20 | 1.122 | - | - | 0.06 | 0.520 | 0.583 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Cheek | 0mm | Ant 4 | DSI 5 | 518598 | 2592.99 | 20.70 | 21.20 | 1.122 | - | - | -0.04 | 0.673 | 0.755 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Tilted | 0mm | Ant 4 | DSI 5 | 518598 | 2592.99 | 20.70 | 21.20 | 1.122 | - | - | -0.01 | 0.293 | 0.329 |
| | n41_PC2(UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Right Cheek | 0mm | Ant 4 | DSI 5 | 518598 | 2592.99 | 20.20 | 21.20 | 1.259 | - | - | -0.07 | 0.600 | 0.755 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Cheek | 0mm | Ant 4 | DSI 10/15 | 518598 | 2592.99 | 19.53 | 20.20 | 1.167 | - | - | 0.01 | 0.676 | 0.789 |
| | n41_PC2(UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Right Cheek | 0mm | Ant 4 | DSI 10/15 | 518598 | 2592.99 | 19.49 | 20.20 | 1.178 | - | - | -0.15 | 0.458 | 0.539 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Cheek | 0mm | Ant 4 | DSI 5 | 518598 | 2592.99 | 20.66 | 21.20 | 1.132 | - | - | 0.07 | 0.900 | 1.019 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Tilted | 0mm | Ant 4 | DSI 5 | 518598 | 2592.99 | 20.66 | 21.20 | 1.132 | - | - | -0.12 | 0.445 | 0.504 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Cheek | 0mm | Ant 4 | DSI 5 | 518598 | 2592.99 | 20.66 | 21.20 | 1.132 | - | - | 0.08 | 0.608 | 0.688 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Tilted | 0mm | Ant 4 | DSI 5 | 518598 | 2592.99 | 20.66 | 21.20 | 1.132 | - | - | -0.06 | 0.236 | 0.267 |
| | n41_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Right Cheek | 0mm | Ant 4 | DSI 5 | 518598 | 2592.99 | 20.51 | 21.20 | 1.172 | - | - | 0.03 | 0.863 | 1.012 |
| | n41_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Left Cheek | 0mm | Ant 4 | DSI 5 | 518598 | 2592.99 | 20.51 | 21.20 | 1.172 | - | - | -0.04 | 0.622 | 0.729 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 518598 | 2592.99 | 25.82 | 26.70 | 1.225 | - | - | 0.12 | 0.140 | 0.171 |



FCC SAR TEST REPORT

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| | | | | | | | | | | | | | | | | | | | | |
|----|------------------|------|------|-----|----|--------|--------------|-----|-------|-------------|--------|---------|-------|-------|-------|---|---|-------|-------|-------|
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Tilted | 0mm | Ant 5 | DSI 5/10/15 | 518598 | 2592.99 | 25.82 | 26.70 | 1.225 | - | - | -0.06 | 0.091 | 0.111 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 518598 | 2592.99 | 25.82 | 26.70 | 1.225 | - | - | -0.08 | 0.290 | 0.355 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Tilted | 0mm | Ant 5 | DSI 5/10/15 | 518598 | 2592.99 | 25.82 | 26.70 | 1.225 | - | - | 0.04 | 0.048 | 0.059 |
| | n41_PC2(UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 518598 | 2592.99 | 21.93 | 22.70 | 1.194 | - | - | 0.02 | 0.215 | 0.257 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Cheek | 0mm | Ant 5 | DSI 5/10/15 | 518598 | 2592.99 | 24.95 | 26.70 | 1.496 | - | - | 0.05 | 0.127 | 0.190 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Tilted | 0mm | Ant 5 | DSI 5/10/15 | 518598 | 2592.99 | 24.95 | 26.70 | 1.496 | - | - | 0.11 | 0.083 | 0.124 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Cheek | 0mm | Ant 5 | DSI 5/10/15 | 518598 | 2592.99 | 24.95 | 26.70 | 1.496 | - | - | -0.08 | 0.231 | 0.346 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Tilted | 0mm | Ant 5 | DSI 5/10/15 | 518598 | 2592.99 | 24.95 | 26.70 | 1.496 | - | - | -0.11 | 0.040 | 0.060 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Cheek | 0mm | Ant 6 | DSI 5 | 518598 | 2592.99 | 14.31 | 15.20 | 1.227 | - | - | 0.07 | 0.700 | 0.859 |
| 23 | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Tilted | 0mm | Ant 6 | DSI 5 | 518598 | 2592.99 | 14.31 | 15.20 | 1.227 | - | - | 0.02 | 0.966 | 1.186 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Cheek | 0mm | Ant 6 | DSI 5 | 518598 | 2592.99 | 14.31 | 15.20 | 1.227 | - | - | -0.07 | 0.636 | 0.781 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Tilted | 0mm | Ant 6 | DSI 5 | 518598 | 2592.99 | 14.31 | 15.20 | 1.227 | - | - | 0.14 | 0.810 | 0.994 |
| | n41_PC2(UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Right Tilted | 0mm | Ant 6 | DSI 5 | 518598 | 2592.99 | 14.30 | 15.20 | 1.230 | - | - | 0.04 | 0.917 | 1.128 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Tilted | 0mm | Ant 6 | DSI 10/15 | 518598 | 2592.99 | 12.31 | 13.20 | 1.227 | - | - | 0.08 | 0.605 | 0.743 |
| | n41_PC2(UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Right Tilted | 0mm | Ant 6 | DSI 10/15 | 518598 | 2592.99 | 12.28 | 13.20 | 1.236 | - | - | -0.04 | 0.580 | 0.717 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Cheek | 0mm | Ant 6 | DSI 5 | 518598 | 2592.99 | 14.20 | 15.20 | 1.259 | - | - | -0.04 | 0.605 | 0.762 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Tilted | 0mm | Ant 6 | DSI 5 | 518598 | 2592.99 | 14.20 | 15.20 | 1.259 | - | - | 0.15 | 0.822 | 1.035 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Cheek | 0mm | Ant 6 | DSI 5 | 518598 | 2592.99 | 14.20 | 15.20 | 1.259 | - | - | -0.11 | 0.548 | 0.690 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Tilted | 0mm | Ant 6 | DSI 5 | 518598 | 2592.99 | 14.20 | 15.20 | 1.259 | - | - | 0.07 | 0.724 | 0.911 |
| | n41_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Right Cheek | 0mm | Ant 6 | DSI 5 | 518598 | 2592.99 | 14.25 | 15.20 | 1.245 | - | - | 0.07 | 0.577 | 0.718 |
| | n41_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Right Tilted | 0mm | Ant 6 | DSI 5 | 518598 | 2592.99 | 14.25 | 15.20 | 1.245 | - | - | -0.04 | 0.755 | 0.940 |
| | n41_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Left Cheek | 0mm | Ant 6 | DSI 5 | 518598 | 2592.99 | 14.25 | 15.20 | 1.245 | - | - | -0.07 | 0.602 | 0.749 |
| | n41_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Left Tilted | 0mm | Ant 6 | DSI 5 | 518598 | 2592.99 | 14.25 | 15.20 | 1.245 | - | - | 0.14 | 0.690 | 0.859 |



| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Mode | Test Position | Gap (mm) | 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) |
|---------------------|--------------|----------|------------|---------|-----------|------|---------------|----------|---------|-------------|-------------|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
| 3500-3700MHz | | | | | | | | | | | | | | | | | | | | |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 55340 | 3560 | 16.21 | 16.80 | 1.146 | 62.9 | 1.006 | 0.05 | 0.580 | 0.668 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 55340 | 3560 | 16.21 | 16.80 | 1.146 | 62.9 | 1.006 | -0.05 | 0.711 | 0.819 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Left Cheek | 0mm | Ant 6 | DSI 5 | 55340 | 3560 | 16.21 | 16.80 | 1.146 | 62.9 | 1.006 | -0.11 | 0.325 | 0.375 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Left Tilted | 0mm | Ant 6 | DSI 5 | 55340 | 3560 | 16.21 | 16.80 | 1.146 | 62.9 | 1.006 | 0.14 | 0.346 | 0.399 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 55830 | 3609 | 16.10 | 16.80 | 1.175 | 62.9 | 1.006 | 0.11 | 0.610 | 0.721 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 56150 | 3641 | 16.15 | 16.80 | 1.161 | 62.9 | 1.006 | 0.05 | 0.590 | 0.689 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 56640 | 3690 | 16.06 | 16.80 | 1.186 | 62.9 | 1.006 | 0.06 | 0.490 | 0.585 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 55830 | 3609 | 16.10 | 16.80 | 1.175 | 62.9 | 1.006 | 0.01 | 0.708 | 0.837 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 56150 | 3641 | 16.15 | 16.80 | 1.161 | 62.9 | 1.006 | -0.01 | 0.696 | 0.813 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 56640 | 3690 | 16.06 | 16.80 | 1.186 | 62.9 | 1.006 | 0.1 | 0.854 | 1.019 |
| | LTE Band 48C | 20M | QPSK | 1 | 49 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 55830+56028 | 3609+3628.8 | 16.10 | 16.80 | 1.175 | 62.9 | 1.006 | 0.02 | 0.768 | 0.908 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Right Tilted | 0mm | Ant 6 | DSI 10/15 | 56640 | 3690 | 14.47 | 15.30 | 1.211 | 62.9 | 1.006 | -0.11 | 0.571 | 0.695 |
| | LTE Band 48C | 20M | QPSK | 1 | 49 | - | Right Tilted | 0mm | Ant 6 | DSI 10/15 | 55830+56028 | 3609+3628.8 | 14.43 | 15.30 | 1.222 | 62.9 | 1.006 | 0.07 | 0.506 | 0.622 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 55340 | 3560 | 16.09 | 16.80 | 1.178 | 62.9 | 1.006 | -0.13 | 0.606 | 0.718 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 55340 | 3560 | 16.09 | 16.80 | 1.178 | 62.9 | 1.006 | 0.06 | 0.658 | 0.780 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 6 | DSI 5 | 55340 | 3560 | 16.09 | 16.80 | 1.178 | 62.9 | 1.006 | -0.03 | 0.321 | 0.380 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 6 | DSI 5 | 55340 | 3560 | 16.09 | 16.80 | 1.178 | 62.9 | 1.006 | -0.16 | 0.352 | 0.417 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 55830 | 3609 | 16.04 | 16.80 | 1.191 | 62.9 | 1.006 | 0.09 | 0.520 | 0.623 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 56150 | 3641 | 16.06 | 16.80 | 1.186 | 62.9 | 1.006 | 0.05 | 0.530 | 0.632 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 56640 | 3690 | 16.02 | 16.80 | 1.197 | 62.9 | 1.006 | 0.07 | 0.650 | 0.783 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 55830 | 3609 | 16.04 | 16.80 | 1.191 | 62.9 | 1.006 | 0.12 | 0.633 | 0.759 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 56150 | 3641 | 16.06 | 16.80 | 1.186 | 62.9 | 1.006 | 0.07 | 0.617 | 0.736 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 56640 | 3690 | 16.02 | 16.80 | 1.197 | 62.9 | 1.006 | 0.1 | 0.767 | 0.923 |
| | LTE Band 48 | 20M | QPSK | 100 | 0 | - | Right Cheek | 0mm | Ant 6 | DSI 5 | 55340 | 3560 | 16.06 | 16.80 | 1.186 | 62.9 | 1.006 | 0.01 | 0.596 | 0.711 |
| | LTE Band 48 | 20M | QPSK | 100 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 55340 | 3560 | 16.06 | 16.80 | 1.186 | 62.9 | 1.006 | -0.14 | 0.701 | 0.836 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 7 | DSI 5 | 55340 | 3560 | 22.09 | 23.30 | 1.321 | 62.9 | 1.006 | -0.12 | 0.741 | 0.985 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 7 | DSI 5 | 55340 | 3560 | 22.09 | 23.30 | 1.321 | 62.9 | 1.006 | -0.13 | 0.121 | 0.161 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 5 | 55340 | 3560 | 22.09 | 23.30 | 1.321 | 62.9 | 1.006 | -0.14 | 0.280 | 0.372 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 7 | DSI 5 | 55340 | 3560 | 22.09 | 23.30 | 1.321 | 62.9 | 1.006 | -0.01 | 0.252 | 0.335 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 7 | DSI 5 | 55830 | 3609 | 22.04 | 23.30 | 1.337 | 62.9 | 1.006 | 0.07 | 0.767 | 1.031 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 7 | DSI 5 | 56150 | 3641 | 21.98 | 23.30 | 1.355 | 62.9 | 1.006 | -0.07 | 0.710 | 0.968 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 7 | DSI 5 | 56640 | 3690 | 21.94 | 23.30 | 1.368 | 62.9 | 1.006 | 0.15 | 0.709 | 0.976 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 7 | DSI 10/15 | 55830 | 3609 | 21.06 | 22.30 | 1.330 | 62.9 | 1.006 | -0.15 | 0.568 | 0.760 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 7 | DSI 5 | 55340 | 3560 | 21.66 | 22.80 | 1.300 | 62.9 | 1.006 | -0.02 | 0.763 | 0.998 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 7 | DSI 5 | 55340 | 3560 | 21.66 | 22.80 | 1.300 | 62.9 | 1.006 | 0.11 | 0.095 | 0.124 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 7 | DSI 5 | 55340 | 3560 | 21.66 | 22.80 | 1.300 | 62.9 | 1.006 | -0.09 | 0.210 | 0.275 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 7 | DSI 5 | 55340 | 3560 | 21.66 | 22.80 | 1.300 | 62.9 | 1.006 | -0.01 | 0.196 | 0.256 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 7 | DSI 5 | 55830 | 3609 | 21.65 | 22.80 | 1.303 | 62.9 | 1.006 | -0.06 | 0.658 | 0.863 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 7 | DSI 5 | 56150 | 3641 | 21.49 | 22.80 | 1.352 | 62.9 | 1.006 | 0.07 | 0.630 | 0.857 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 7 | DSI 5 | 56640 | 3690 | 21.55 | 22.80 | 1.334 | 62.9 | 1.006 | 0.15 | 0.618 | 0.829 |
| | LTE Band 48 | 20M | QPSK | 100 | 0 | - | Right Cheek | 0mm | Ant 7 | DSI 5 | 55340 | 3560 | 21.60 | 22.80 | 1.318 | 62.9 | 1.006 | 0.1 | 0.620 | 0.822 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Right Cheek | 0mm | Ant 10 | DSI 5 | 55340 | 3560 | 13.71 | 14.80 | 1.285 | 62.9 | 1.006 | -0.08 | 0.327 | 0.423 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 10 | DSI 5 | 55340 | 3560 | 13.71 | 14.80 | 1.285 | 62.9 | 1.006 | 0.08 | 0.353 | 0.456 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 10 | DSI 5 | 55340 | 3560 | 13.71 | 14.80 | 1.285 | 62.9 | 1.006 | 0.06 | 0.639 | 0.826 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 10 | DSI 5 | 55340 | 3560 | 13.71 | 14.80 | 1.285 | 62.9 | 1.006 | 0.11 | 0.556 | 0.719 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 10 | DSI 5 | 55830 | 3609 | 13.61 | 14.80 | 1.315 | 62.9 | 1.006 | 0.05 | 0.735 | 0.972 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 10 | DSI 5 | 56150 | 3641 | 13.65 | 14.80 | 1.303 | 62.9 | 1.006 | -0.09 | 0.693 | 0.909 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 10 | DSI 5 | 56640 | 3690 | 13.63 | 14.80 | 1.309 | 62.9 | 1.006 | 0.03 | 0.700 | 0.922 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 10 | DSI 5 | 55830 | 3609 | 13.61 | 14.80 | 1.315 | 62.9 | 1.006 | 0.06 | 0.630 | 0.834 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 10 | DSI 5 | 56150 | 3641 | 13.65 | 14.80 | 1.303 | 62.9 | 1.006 | 0.12 | 0.499 | 0.654 |



FCC SAR TEST REPORT

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|----|--------------|-----|------|-----|----|--------|--------------|-----|--------|-----------|-------------|-------------|-------|-------|-------|------|-------|-------|-------|-------|
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Left Tilted | 0mm | Ant 10 | DSI 5 | 56640 | 3690 | 13.63 | 14.80 | 1.309 | 62.9 | 1.006 | 0.01 | 0.550 | 0.724 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 10 | DSI 10/15 | 55830 | 3609 | 12.10 | 13.30 | 1.318 | 62.9 | 1.006 | 0.02 | 0.522 | 0.692 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 10 | DSI 5 | 55340 | 3560 | 13.64 | 14.80 | 1.306 | 62.9 | 1.006 | -0.02 | 0.308 | 0.405 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 10 | DSI 5 | 55340 | 3560 | 13.64 | 14.80 | 1.306 | 62.9 | 1.006 | 0.13 | 0.312 | 0.410 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 10 | DSI 5 | 55340 | 3560 | 13.64 | 14.80 | 1.306 | 62.9 | 1.006 | 0.1 | 0.631 | 0.829 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 10 | DSI 5 | 55340 | 3560 | 13.64 | 14.80 | 1.306 | 62.9 | 1.006 | -0.04 | 0.583 | 0.766 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 10 | DSI 5 | 55830 | 3609 | 13.49 | 14.80 | 1.352 | 62.9 | 1.006 | 0.01 | 0.612 | 0.832 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 10 | DSI 5 | 56150 | 3641 | 13.52 | 14.80 | 1.343 | 62.9 | 1.006 | -0.01 | 0.630 | 0.851 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 10 | DSI 5 | 56640 | 3690 | 13.59 | 14.80 | 1.321 | 62.9 | 1.006 | 0.05 | 0.622 | 0.827 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 10 | DSI 5 | 55830 | 3609 | 13.49 | 14.80 | 1.352 | 62.9 | 1.006 | 0.08 | 0.580 | 0.789 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 10 | DSI 5 | 56150 | 3641 | 13.52 | 14.80 | 1.343 | 62.9 | 1.006 | 0.01 | 0.500 | 0.675 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 10 | DSI 5 | 56640 | 3690 | 13.59 | 14.80 | 1.321 | 62.9 | 1.006 | 0.09 | 0.500 | 0.665 |
| | LTE Band 48 | 20M | QPSK | 100 | 0 | - | Left Cheek | 0mm | Ant 10 | DSI 5 | 55830 | 3609 | 13.54 | 14.80 | 1.337 | 62.9 | 1.006 | 0.06 | 0.621 | 0.835 |
| | LTE Band 48 | 20M | QPSK | 100 | 0 | - | Left Tilted | 0mm | Ant 10 | DSI 5 | 55830 | 3609 | 13.54 | 14.80 | 1.337 | 62.9 | 1.006 | 0.11 | 0.502 | 0.675 |
| 24 | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Right Cheek | 0mm | Ant 13 | DSI 5 | 55340 | 3560 | 21.43 | 22.30 | 1.222 | 62.9 | 1.006 | -0.05 | 0.916 | 1.126 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Right Tilted | 0mm | Ant 13 | DSI 5 | 55340 | 3560 | 21.43 | 22.30 | 1.222 | 62.9 | 1.006 | 0.01 | 0.453 | 0.557 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Left Cheek | 0mm | Ant 13 | DSI 5 | 55340 | 3560 | 21.43 | 22.30 | 1.222 | 62.9 | 1.006 | 0.03 | 0.641 | 0.788 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Left Tilted | 0mm | Ant 13 | DSI 5 | 55340 | 3560 | 21.43 | 22.30 | 1.222 | 62.9 | 1.006 | 0.05 | 0.175 | 0.215 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Right Cheek | 0mm | Ant 13 | DSI 5 | 55830 | 3609 | 21.30 | 22.30 | 1.259 | 62.9 | 1.006 | 0.12 | 0.762 | 0.965 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Right Cheek | 0mm | Ant 13 | DSI 5 | 56150 | 3641 | 21.27 | 22.30 | 1.268 | 62.9 | 1.006 | -0.09 | 0.724 | 0.923 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Right Cheek | 0mm | Ant 13 | DSI 5 | 56640 | 3690 | 21.35 | 22.30 | 1.245 | 62.9 | 1.006 | -0.04 | 0.489 | 0.612 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Left Cheek | 0mm | Ant 13 | DSI 5 | 55830 | 3609 | 21.30 | 22.30 | 1.259 | 62.9 | 1.006 | 0.04 | 0.490 | 0.621 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Left Cheek | 0mm | Ant 13 | DSI 5 | 56150 | 3641 | 21.27 | 22.30 | 1.268 | 62.9 | 1.006 | 0.09 | 0.523 | 0.667 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Left Cheek | 0mm | Ant 13 | DSI 5 | 56640 | 3690 | 21.35 | 22.30 | 1.245 | 62.9 | 1.006 | 0.12 | 0.485 | 0.607 |
| | LTE Band 48C | 20M | QPSK | 1 | 49 | - | Right Cheek | 0mm | Ant 13 | DSI 5 | 55830+56028 | 3609+3628.8 | 21.33 | 22.30 | 1.250 | 62.9 | 1.006 | -0.05 | 0.740 | 0.931 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Right Cheek | 0mm | Ant 13 | DSI 10/15 | 55340 | 3560 | 18.32 | 19.30 | 1.253 | 62.9 | 1.006 | 0.01 | 0.398 | 0.502 |
| | LTE Band 48C | 20M | QPSK | 1 | 49 | - | Right Cheek | 0mm | Ant 13 | DSI 10/15 | 55830+56028 | 3609+3628.8 | 18.31 | 19.30 | 1.256 | 62.9 | 1.006 | 0.09 | 0.318 | 0.402 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 13 | DSI 5 | 55340 | 3560 | 21.30 | 22.30 | 1.259 | 62.9 | 1.006 | 0.07 | 0.823 | 1.042 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Tilted | 0mm | Ant 13 | DSI 5 | 55340 | 3560 | 21.30 | 22.30 | 1.259 | 62.9 | 1.006 | 0.07 | 0.460 | 0.583 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 13 | DSI 5 | 55340 | 3560 | 21.30 | 22.30 | 1.259 | 62.9 | 1.006 | 0.06 | 0.553 | 0.700 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Left Tilted | 0mm | Ant 13 | DSI 5 | 55340 | 3560 | 21.30 | 22.30 | 1.259 | 62.9 | 1.006 | 0.1 | 0.180 | 0.228 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 13 | DSI 5 | 55830 | 3609 | 21.25 | 22.30 | 1.274 | 62.9 | 1.006 | 0.12 | 0.766 | 0.981 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 13 | DSI 5 | 56150 | 3641 | 21.27 | 22.30 | 1.268 | 62.9 | 1.006 | -0.09 | 0.724 | 0.923 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Cheek | 0mm | Ant 13 | DSI 5 | 56640 | 3690 | 21.28 | 22.30 | 1.265 | 62.9 | 1.006 | -0.04 | 0.770 | 0.980 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 13 | DSI 5 | 55830 | 3609 | 21.25 | 22.30 | 1.274 | 62.9 | 1.006 | 0.05 | 0.520 | 0.666 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 13 | DSI 5 | 56150 | 3641 | 21.27 | 22.30 | 1.268 | 62.9 | 1.006 | 0.01 | 0.490 | 0.625 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Left Cheek | 0mm | Ant 13 | DSI 5 | 56640 | 3690 | 21.28 | 22.30 | 1.265 | 62.9 | 1.006 | 0.06 | 0.545 | 0.693 |
| | LTE Band 48 | 20M | QPSK | 100 | 0 | - | Right Cheek | 0mm | Ant 13 | DSI 5 | 55340 | 3560 | 19.90 | 20.80 | 1.230 | 62.9 | 1.006 | 0.13 | 0.721 | 0.892 |
| | LTE Band 48 | 20M | QPSK | 100 | 0 | - | Left Cheek | 0mm | Ant 13 | DSI 5 | 55340 | 3560 | 19.90 | 20.80 | 1.230 | 62.9 | 1.006 | 0.02 | 0.512 | 0.634 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Right Cheek | 0mm | Ant 6 | DSI 5 | 641666 | 3624.99 | 14.11 | 15.20 | 1.285 | - | - | 0.04 | 0.578 | 0.743 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Right Tilted | 0mm | Ant 6 | DSI 5 | 641666 | 3624.99 | 14.11 | 15.20 | 1.285 | - | - | 0.07 | 0.838 | 1.077 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Left Cheek | 0mm | Ant 6 | DSI 5 | 641666 | 3624.99 | 14.11 | 15.20 | 1.285 | - | - | -0.12 | 0.284 | 0.365 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Left Tilted | 0mm | Ant 6 | DSI 5 | 641666 | 3624.99 | 14.11 | 15.20 | 1.285 | - | - | -0.04 | 0.316 | 0.406 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Right Cheek | 0mm | Ant 6 | DSI 5 | 638000 | 3570 | 14.01 | 15.20 | 1.315 | - | - | 0.02 | 0.733 | 0.964 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Right Cheek | 0mm | Ant 6 | DSI 5 | 645332 | 3679.98 | 14.08 | 15.20 | 1.294 | - | - | 0.05 | 0.715 | 0.925 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Right Tilted | 0mm | Ant 6 | DSI 5 | 638000 | 3570 | 14.01 | 15.20 | 1.315 | - | - | 0.06 | 0.488 | 0.642 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Right Tilted | 0mm | Ant 6 | DSI 5 | 645332 | 3679.98 | 14.08 | 15.20 | 1.294 | - | - | 0.07 | 0.475 | 0.615 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Right Tilted | 0mm | Ant 6 | DSI 10/15 | 641666 | 3624.99 | 12.05 | 13.20 | 1.303 | - | - | 0.01 | 0.420 | 0.547 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Right Cheek | 0mm | Ant 6 | DSI 5 | 641666 | 3624.99 | 14.08 | 15.20 | 1.294 | - | - | 0.03 | 0.535 | 0.692 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Right Tilted | 0mm | Ant 6 | DSI 5 | 641666 | 3624.99 | 14.08 | 15.20 | 1.294 | - | - | -0.14 | 0.788 | 1.020 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Left Cheek | 0mm | Ant 6 | DSI 5 | 641666 | 3624.99 | 14.08 | 15.20 | 1.294 | - | - | 0.01 | 0.288 | 0.373 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Left Tilted | 0mm | Ant 6 | DSI 5 | 641666 | 3624.99 | 14.08 | 15.20 | 1.294 | - | - | -0.13 | 0.316 | 0.409 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Right Cheek | 0mm | Ant 6 | DSI 5 | 638000 | 3570 | 13.92 | 15.20 | 1.343 | - | - | 0.02 | 0.688 | 0.924 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Right Cheek | 0mm | Ant 6 | DSI 5 | 645332 | 3679.98 | 13.91 | 15.20 | 1.346 | - | - | 0.07 | 0.676 | 0.910 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Right Tilted | 0mm | Ant 6 | DSI 5 | 638000 | 3570 | 13.92 | 15.20 | 1.343 | - | - | 0.09 | 0.493 | 0.662 |



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|----|-------------|-----|------|-----|----|--------|--------------|-----|--------|-----------|--------|---------|-------|-------|-------|---|---|-------|-------|-------|
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Right Tilted | 0mm | Ant 6 | DSI 5 | 645332 | 3679.98 | 13.91 | 15.20 | 1.346 | - | - | 0.02 | 0.485 | 0.653 |
| | Part 96 n48 | 40M | QPSK | 100 | 0 | DFT-30 | Right Cheek | 0mm | Ant 6 | DSI 5 | 641666 | 3624.99 | 13.94 | 15.20 | 1.337 | - | - | 0.07 | 0.472 | 0.631 |
| | Part 96 n48 | 40M | QPSK | 100 | 0 | DFT-30 | Right Tilted | 0mm | Ant 6 | DSI 5 | 641666 | 3624.99 | 13.94 | 15.20 | 1.337 | - | - | 0.09 | 0.540 | 0.722 |
| 25 | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Right Cheek | 0mm | Ant 13 | DSI 5 | 641666 | 3624.99 | 20.20 | 21.20 | 1.259 | - | - | 0.04 | 0.858 | 1.080 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Right Tilted | 0mm | Ant 13 | DSI 5 | 641666 | 3624.99 | 20.20 | 21.20 | 1.259 | - | - | 0.16 | 0.561 | 0.706 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Left Cheek | 0mm | Ant 13 | DSI 5 | 641666 | 3624.99 | 20.20 | 21.20 | 1.259 | - | - | -0.1 | 0.667 | 0.840 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Left Tilted | 0mm | Ant 13 | DSI 5 | 641666 | 3624.99 | 20.20 | 21.20 | 1.259 | - | - | -0.09 | 0.210 | 0.264 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Right Cheek | 0mm | Ant 13 | DSI 5 | 638000 | 3570 | 20.03 | 21.20 | 1.309 | - | - | 0.06 | 0.758 | 0.992 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Right Cheek | 0mm | Ant 13 | DSI 5 | 645332 | 3679.98 | 20.03 | 21.20 | 1.309 | - | - | 0.02 | 0.725 | 0.949 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Right Tilted | 0mm | Ant 13 | DSI 5 | 638000 | 3570 | 20.03 | 21.20 | 1.309 | - | - | 0.15 | 0.499 | 0.653 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Right Tilted | 0mm | Ant 13 | DSI 5 | 645332 | 3679.98 | 20.03 | 21.20 | 1.309 | - | - | -0.05 | 0.532 | 0.696 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Left Cheek | 0mm | Ant 13 | DSI 5 | 638000 | 3570 | 20.03 | 21.20 | 1.309 | - | - | 0.01 | 0.612 | 0.801 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Left Cheek | 0mm | Ant 13 | DSI 5 | 645332 | 3679.98 | 20.03 | 21.20 | 1.309 | - | - | -0.1 | 0.633 | 0.829 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Right Cheek | 0mm | Ant 13 | DSI 10/15 | 641666 | 3624.99 | 17.85 | 19.20 | 1.365 | - | - | 0.01 | 0.506 | 0.690 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Right Cheek | 0mm | Ant 13 | DSI 5 | 641666 | 3624.99 | 20.14 | 21.20 | 1.276 | - | - | -0.16 | 0.731 | 0.933 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Right Tilted | 0mm | Ant 13 | DSI 5 | 641666 | 3624.99 | 20.14 | 21.20 | 1.276 | - | - | 0.15 | 0.462 | 0.590 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Left Cheek | 0mm | Ant 13 | DSI 5 | 641666 | 3624.99 | 20.14 | 21.20 | 1.276 | - | - | 0.01 | 0.549 | 0.701 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Left Tilted | 0mm | Ant 13 | DSI 5 | 641666 | 3624.99 | 20.14 | 21.20 | 1.276 | - | - | -0.08 | 0.184 | 0.235 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Right Cheek | 0mm | Ant 13 | DSI 5 | 638000 | 3570 | 20.11 | 21.20 | 1.285 | - | - | 0.12 | 0.688 | 0.884 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Right Cheek | 0mm | Ant 13 | DSI 5 | 645332 | 3679.98 | 20.13 | 21.20 | 1.279 | - | - | 0.05 | 0.535 | 0.684 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Right Tilted | 0mm | Ant 13 | DSI 5 | 638000 | 3570 | 20.11 | 21.20 | 1.285 | - | - | 0.09 | 0.329 | 0.423 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Right Tilted | 0mm | Ant 13 | DSI 5 | 645332 | 3679.98 | 20.13 | 21.20 | 1.279 | - | - | 0.1 | 0.472 | 0.604 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Left Cheek | 0mm | Ant 13 | DSI 5 | 638000 | 3570 | 20.11 | 21.20 | 1.285 | - | - | -0.05 | 0.492 | 0.632 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Left Cheek | 0mm | Ant 13 | DSI 5 | 645332 | 3679.98 | 20.13 | 21.20 | 1.279 | - | - | -0.12 | 0.553 | 0.707 |
| | Part 96 n48 | 40M | QPSK | 100 | 0 | DFT-30 | Right Cheek | 0mm | Ant 13 | DSI 5 | 641666 | 3624.99 | 20.06 | 21.20 | 1.300 | - | - | 0.06 | 0.702 | 0.913 |
| | Part 96 n48 | 40M | QPSK | 100 | 0 | DFT-30 | Right Tilted | 0mm | Ant 13 | DSI 5 | 641666 | 3624.99 | 20.06 | 21.20 | 1.300 | - | - | 0.16 | 0.545 | 0.709 |
| | Part 96 n48 | 40M | QPSK | 100 | 0 | DFT-30 | Left Cheek | 0mm | Ant 13 | DSI 5 | 641666 | 3624.99 | 20.06 | 21.20 | 1.300 | - | - | 0.06 | 0.605 | 0.787 |



| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Mode | Test Position | Gap (mm) | Antenna | 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) |
|----------|----------------------------|----------|------------|---------|-----------|--------|---------------|----------|---------|-------------|--------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Cheek | 0mm | Ant 6 | DSI 5 | 656000 | 3840 | 14.30 | 15.20 | 1.230 | 0.14 | 0.400 | 0.492 |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Tilted | 0mm | Ant 6 | DSI 5 | 656000 | 3840 | 14.30 | 15.20 | 1.230 | 0.1 | 0.775 | 0.953 |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Cheek | 0mm | Ant 6 | DSI 5 | 656000 | 3840 | 14.30 | 15.20 | 1.230 | 0.07 | 0.265 | 0.326 |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Tilted | 0mm | Ant 6 | DSI 5 | 656000 | 3840 | 14.30 | 15.20 | 1.230 | 0.03 | 0.311 | 0.383 |
| | Part 270 n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Right Tilted | 0mm | Ant 6 | DSI 5 | 656000 | 3840 | 14.25 | 15.20 | 1.245 | 0.13 | 0.732 | 0.911 |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Tilted | 0mm | Ant 6 | DSI 10/15 | 656000 | 3840 | 12.30 | 13.20 | 1.230 | 0.04 | 0.436 | 0.536 |
| | Part 270 n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Right Tilted | 0mm | Ant 6 | DSI 10/15 | 656000 | 3840 | 12.29 | 13.20 | 1.233 | 0.09 | 0.412 | 0.508 |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Cheek | 0mm | Ant 6 | DSI 5 | 656000 | 3840 | 14.24 | 15.20 | 1.247 | -0.09 | 0.370 | 0.462 |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Tilted | 0mm | Ant 6 | DSI 5 | 656000 | 3840 | 14.24 | 15.20 | 1.247 | 0.03 | 0.653 | 0.815 |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Cheek | 0mm | Ant 6 | DSI 5 | 656000 | 3840 | 14.24 | 15.20 | 1.247 | -0.01 | 0.230 | 0.287 |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Tilted | 0mm | Ant 6 | DSI 5 | 656000 | 3840 | 14.24 | 15.20 | 1.247 | -0.06 | 0.261 | 0.326 |
| | Part 270 n77_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Right Cheek | 0mm | Ant 6 | DSI 5 | 656000 | 3840 | 14.00 | 15.20 | 1.318 | 0.06 | 0.333 | 0.439 |
| | Part 270 n77_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Right Tilted | 0mm | Ant 6 | DSI 5 | 656000 | 3840 | 14.00 | 15.20 | 1.318 | 0.12 | 0.622 | 0.820 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Cheek | 0mm | Ant 6 | DSI 5 | 633332 | 3499.98 | 14.21 | 15.20 | 1.256 | -0.01 | 0.450 | 0.565 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Tilted | 0mm | Ant 6 | DSI 5 | 633332 | 3499.98 | 14.21 | 15.20 | 1.256 | -0.01 | 0.537 | 0.674 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Cheek | 0mm | Ant 6 | DSI 5 | 633332 | 3499.98 | 14.21 | 15.20 | 1.256 | 0.07 | 0.264 | 0.332 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Tilted | 0mm | Ant 6 | DSI 5 | 633332 | 3499.98 | 14.21 | 15.20 | 1.256 | -0.12 | 0.285 | 0.358 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Cheek | 0mm | Ant 6 | DSI 5 | 633332 | 3499.98 | 14.12 | 15.20 | 1.282 | -0.08 | 0.443 | 0.568 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Tilted | 0mm | Ant 6 | DSI 5 | 633332 | 3499.98 | 14.12 | 15.20 | 1.282 | -0.14 | 0.531 | 0.681 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Cheek | 0mm | Ant 6 | DSI 5 | 633332 | 3499.98 | 14.12 | 15.20 | 1.282 | -0.12 | 0.276 | 0.354 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Tilted | 0mm | Ant 6 | DSI 5 | 633332 | 3499.98 | 14.12 | 15.20 | 1.282 | 0.03 | 0.301 | 0.386 |
| | Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 137 | 68 | CP-30 | Right Tilted | 0mm | Ant 6 | DSI 5 | 633332 | 3499.98 | 14.05 | 15.20 | 1.303 | 0.02 | 0.509 | 0.663 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Tilted | 0mm | Ant 6 | DSI 10/15 | 633332 | 3499.98 | 12.12 | 13.20 | 1.282 | 0.15 | 0.352 | 0.451 |
| | Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 137 | 68 | CP-30 | Right Tilted | 0mm | Ant 6 | DSI 10/15 | 633332 | 3499.98 | 12.01 | 13.20 | 1.315 | 0.09 | 0.334 | 0.439 |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Cheek | 0mm | Ant 7 | DSI 5 | 656000 | 3840 | 20.52 | 21.70 | 1.312 | 0.09 | 0.688 | 0.903 |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Tilted | 0mm | Ant 7 | DSI 5 | 656000 | 3840 | 20.52 | 21.70 | 1.312 | -0.13 | 0.067 | 0.088 |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Cheek | 0mm | Ant 7 | DSI 5 | 656000 | 3840 | 20.52 | 21.70 | 1.312 | -0.04 | 0.272 | 0.357 |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Tilted | 0mm | Ant 7 | DSI 5 | 656000 | 3840 | 20.52 | 21.70 | 1.312 | 0.1 | 0.094 | 0.123 |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Cheek | 0mm | Ant 7 | DSI 5 | 656000 | 3840 | 20.47 | 21.70 | 1.327 | 0.16 | 0.757 | 1.005 |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Tilted | 0mm | Ant 7 | DSI 5 | 656000 | 3840 | 20.47 | 21.70 | 1.327 | -0.1 | 0.098 | 0.130 |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Cheek | 0mm | Ant 7 | DSI 5 | 656000 | 3840 | 20.47 | 21.70 | 1.327 | -0.03 | 0.251 | 0.333 |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Tilted | 0mm | Ant 7 | DSI 5 | 656000 | 3840 | 20.47 | 21.70 | 1.327 | 0.03 | 0.073 | 0.097 |
| | Part 270 n77_PC2 (UL MIMO) | 100M | QPSK | 137 | 68 | CP-30 | Right Cheek | 0mm | Ant 7 | DSI 5 | 656000 | 3840 | 20.05 | 20.70 | 1.161 | -0.01 | 0.559 | 0.649 |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Cheek | 0mm | Ant 7 | DSI 10/15 | 656000 | 3840 | 19.07 | 20.20 | 1.297 | 0.12 | 0.524 | 0.680 |
| | Part 270 n77_PC2 (UL MIMO) | 100M | QPSK | 137 | 68 | CP-30 | Right Cheek | 0mm | Ant 7 | DSI 10/15 | 656000 | 3840 | 19.00 | 20.20 | 1.318 | 0.16 | 0.507 | 0.668 |
| | Part 270 n77_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Right Cheek | 0mm | Ant 7 | DSI 5 | 656000 | 3840 | 20.43 | 21.70 | 1.340 | 0.03 | 0.670 | 0.898 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Cheek | 0mm | Ant 7 | DSI 5 | 633332 | 3499.98 | 20.66 | 21.70 | 1.271 | 0 | 0.700 | 0.889 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Tilted | 0mm | Ant 7 | DSI 5 | 633332 | 3499.98 | 20.66 | 21.70 | 1.271 | -0.16 | 0.162 | 0.206 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Cheek | 0mm | Ant 7 | DSI 5 | 633332 | 3499.98 | 20.66 | 21.70 | 1.271 | -0.05 | 0.342 | 0.435 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Tilted | 0mm | Ant 7 | DSI 5 | 633332 | 3499.98 | 20.66 | 21.70 | 1.271 | -0.1 | 0.333 | 0.423 |
| | Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Right Cheek | 0mm | Ant 7 | DSI 5 | 633332 | 3499.98 | 20.15 | 20.70 | 1.135 | 0.04 | 0.608 | 0.690 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Cheek | 0mm | Ant 7 | DSI 10/15 | 633332 | 3499.98 | 19.03 | 20.20 | 1.309 | -0.02 | 0.519 | 0.679 |
| | Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Right Cheek | 0mm | Ant 7 | DSI 10/15 | 633332 | 3499.98 | 19.00 | 20.20 | 1.318 | 0.02 | 0.433 | 0.571 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Cheek | 0mm | Ant 7 | DSI 5 | 633332 | 3499.98 | 20.52 | 21.70 | 1.312 | 0.1 | 0.625 | 0.820 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Tilted | 0mm | Ant 7 | DSI 5 | 633332 | 3499.98 | 20.52 | 21.70 | 1.312 | -0.16 | 0.118 | 0.155 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Cheek | 0mm | Ant 7 | DSI 5 | 633332 | 3499.98 | 20.52 | 21.70 | 1.312 | 0.12 | 0.300 | 0.394 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Tilted | 0mm | Ant 7 | DSI 5 | 633332 | 3499.98 | 20.52 | 21.70 | 1.312 | 0.03 | 0.245 | 0.321 |
| | Part 27Q n77_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Right Cheek | 0mm | Ant 7 | DSI 5 | 633332 | 3499.98 | 20.41 | 21.70 | 1.346 | 0.03 | 0.600 | 0.808 |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Cheek | 0mm | Ant 10 | DSI 5 | 656000 | 3840 | 13.41 | 14.70 | 1.346 | 0.09 | 0.285 | 0.384 |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Tilted | 0mm | Ant 10 | DSI 5 | 656000 | 3840 | 13.41 | 14.70 | 1.346 | 0.16 | 0.245 | 0.330 |



FCC SAR TEST REPORT

Report No. : FA2O2001

| | | | | | | | | | | | | | | | | | | |
|----|-------------------------------|------|------|-----|----|--------|--------------|-----|--------|-----------|--------|---------|-------|-------|-------|-------|-------|-------|
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Cheek | 0mm | Ant 10 | DSI 5 | 656000 | 3840 | 13.41 | 14.70 | 1.346 | -0.04 | 0.687 | 0.925 |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Tilted | 0mm | Ant 10 | DSI 5 | 656000 | 3840 | 13.41 | 14.70 | 1.346 | 0.1 | 0.417 | 0.561 |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Cheek | 0mm | Ant 10 | DSI 5 | 656000 | 3840 | 13.20 | 14.70 | 1.413 | 0.02 | 0.214 | 0.302 |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Tilted | 0mm | Ant 10 | DSI 5 | 656000 | 3840 | 13.20 | 14.70 | 1.413 | -0.06 | 0.208 | 0.294 |
| 26 | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Cheek | 0mm | Ant 10 | DSI 5 | 656000 | 3840 | 13.20 | 14.70 | 1.413 | -0.1 | 0.794 | 1.122 |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Tilted | 0mm | Ant 10 | DSI 5 | 656000 | 3840 | 13.20 | 14.70 | 1.413 | -0.12 | 0.423 | 0.598 |
| | Part 270 n77_PC2 (UL MIMO) | 100M | QPSK | 137 | 68 | CP-30 | Left Cheek | 0mm | Ant 10 | DSI 5 | 656000 | 3840 | 13.19 | 14.70 | 1.416 | -0.1 | 0.639 | 0.905 |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Cheek | 0mm | Ant 10 | DSI 10/15 | 656000 | 3840 | 11.30 | 12.70 | 1.380 | 0.01 | 0.535 | 0.739 |
| | Part 270 n77_PC2 (UL MIMO) | 100M | QPSK | 137 | 68 | CP-30 | Left Cheek | 0mm | Ant 10 | DSI 10/15 | 656000 | 3840 | 11.20 | 12.70 | 1.413 | -0.14 | 0.383 | 0.541 |
| | Part 270 n77_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Left Cheek | 0mm | Ant 10 | DSI 5 | 656000 | 3840 | 13.27 | 14.70 | 1.390 | 0.02 | 0.650 | 0.903 |
| | Part 270 n77_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Left Tilted | 0mm | Ant 10 | DSI 5 | 656000 | 3840 | 13.27 | 14.70 | 1.390 | -0.06 | 0.359 | 0.499 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Cheek | 0mm | Ant 10 | DSI 5 | 633332 | 3499.98 | 13.64 | 14.70 | 1.276 | 0.08 | 0.249 | 0.318 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Tilted | 0mm | Ant 10 | DSI 5 | 633332 | 3499.98 | 13.64 | 14.70 | 1.276 | -0.07 | 0.306 | 0.391 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Cheek | 0mm | Ant 10 | DSI 5 | 633332 | 3499.98 | 13.64 | 14.70 | 1.276 | 0.14 | 0.410 | 0.523 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Tilted | 0mm | Ant 10 | DSI 5 | 633332 | 3499.98 | 13.64 | 14.70 | 1.276 | 0.12 | 0.369 | 0.471 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Cheek | 0mm | Ant 10 | DSI 5 | 633332 | 3499.98 | 13.57 | 14.70 | 1.297 | -0.06 | 0.260 | 0.337 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Tilted | 0mm | Ant 10 | DSI 5 | 633332 | 3499.98 | 13.57 | 14.70 | 1.297 | -0.02 | 0.262 | 0.340 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Cheek | 0mm | Ant 10 | DSI 5 | 633332 | 3499.98 | 13.57 | 14.70 | 1.297 | 0.02 | 0.444 | 0.576 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Tilted | 0mm | Ant 10 | DSI 5 | 633332 | 3499.98 | 13.57 | 14.70 | 1.297 | 0.14 | 0.341 | 0.442 |
| | Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 137 | 68 | CP-30 | Left Cheek | 0mm | Ant 10 | DSI 5 | 633332 | 3499.98 | 13.48 | 14.70 | 1.324 | 0.01 | 0.421 | 0.558 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Cheek | 0mm | Ant 10 | DSI 10/15 | 633332 | 3499.98 | 11.58 | 12.70 | 1.294 | 0.01 | 0.282 | 0.365 |
| | Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 137 | 68 | CP-30 | Left Cheek | 0mm | Ant 10 | DSI 10/15 | 633332 | 3499.98 | 11.58 | 12.70 | 1.294 | -0.03 | 0.270 | 0.349 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Cheek | 0mm | Ant 13 | DSI 5 | 656000 | 3840 | 18.31 | 19.70 | 1.377 | 0.05 | 0.278 | 0.383 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Tilted | 0mm | Ant 13 | DSI 5 | 656000 | 3840 | 18.31 | 19.70 | 1.377 | 0.09 | 0.166 | 0.229 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Cheek | 0mm | Ant 13 | DSI 5 | 656000 | 3840 | 18.31 | 19.70 | 1.377 | 0.11 | 0.222 | 0.306 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Tilted | 0mm | Ant 13 | DSI 5 | 656000 | 3840 | 18.31 | 19.70 | 1.377 | 0.07 | 0.057 | 0.079 |
| | Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Right Cheek | 0mm | Ant 13 | DSI 5 | 656000 | 3840 | 18.30 | 19.70 | 1.380 | 0.01 | 0.254 | 0.351 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Cheek | 0mm | Ant 13 | DSI 10/15 | 656000 | 3840 | 16.85 | 18.20 | 1.365 | -0.09 | 0.210 | 0.287 |
| | Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Right Cheek | 0mm | Ant 13 | DSI 10/15 | 656000 | 3840 | 16.82 | 18.20 | 1.374 | 0.02 | 0.190 | 0.261 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Cheek | 0mm | Ant 13 | DSI 5 | 656000 | 3840 | 18.20 | 19.70 | 1.413 | 0.09 | 0.217 | 0.307 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Tilted | 0mm | Ant 13 | DSI 5 | 656000 | 3840 | 18.20 | 19.70 | 1.413 | 0.12 | 0.126 | 0.178 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Cheek | 0mm | Ant 13 | DSI 5 | 656000 | 3840 | 18.20 | 19.70 | 1.413 | -0.04 | 0.134 | 0.189 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Tilted | 0mm | Ant 13 | DSI 5 | 656000 | 3840 | 18.20 | 19.70 | 1.413 | -0.06 | 0.040 | 0.057 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Cheek | 0mm | Ant 13 | DSI 5 | 633332 | 3499.98 | 18.92 | 19.70 | 1.197 | -0.08 | 0.723 | 0.865 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Tilted | 0mm | Ant 13 | DSI 5 | 633332 | 3499.98 | 18.92 | 19.70 | 1.197 | -0.01 | 0.457 | 0.546 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Cheek | 0mm | Ant 13 | DSI 5 | 633332 | 3499.98 | 18.92 | 19.70 | 1.197 | 0.11 | 0.495 | 0.592 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Tilted | 0mm | Ant 13 | DSI 5 | 633332 | 3499.98 | 18.92 | 19.70 | 1.197 | 0.02 | 0.189 | 0.226 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Cheek | 0mm | Ant 13 | DSI 5 | 633332 | 3499.98 | 18.86 | 19.70 | 1.213 | -0.01 | 0.748 | 0.908 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Tilted | 0mm | Ant 13 | DSI 5 | 633332 | 3499.98 | 18.86 | 19.70 | 1.213 | 0.12 | 0.414 | 0.502 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Cheek | 0mm | Ant 13 | DSI 5 | 633332 | 3499.98 | 18.86 | 19.70 | 1.213 | -0.04 | 0.420 | 0.510 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Tilted | 0mm | Ant 13 | DSI 5 | 633332 | 3499.98 | 18.86 | 19.70 | 1.213 | 0.14 | 0.149 | 0.181 |
| | Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 137 | 68 | CP-30 | Right Cheek | 0mm | Ant 13 | DSI 5 | 633332 | 3499.98 | 18.77 | 19.70 | 1.239 | 0.02 | 0.701 | 0.868 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Cheek | 0mm | Ant 13 | DSI 10/15 | 633332 | 3499.98 | 17.37 | 18.20 | 1.211 | 0.01 | 0.565 | 0.684 |
| | Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 137 | 68 | CP-30 | Right Cheek | 0mm | Ant 13 | DSI 10/15 | 633332 | 3499.98 | 17.25 | 18.20 | 1.245 | -0.08 | 0.501 | 0.624 |
| | Part 27Q n77_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Right Cheek | 0mm | Ant 13 | DSI 5 | 633332 | 3499.98 | 18.78 | 19.70 | 1.236 | 0.02 | 0.688 | 0.850 |



| Plot No. | Band | Mode | Test Position | Gap (mm) | 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) |
|---------------------------|------------|----------------------|---------------|----------|---------|--|-----|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
| Wifi&Bluetooth | | | | | | | | | | | | | | | | |
| | Bluetooth | DH5 1Mbps | Right Cheek | 0mm | Ant 12 | Standalone | 78 | 2480 | 12.80 | 14.00 | 1.318 | 77.07 | 1.298 | -0.17 | 0.127 | 0.217 |
| | Bluetooth | DH5 1Mbps | Right Tilted | 0mm | Ant 12 | Standalone | 78 | 2480 | 12.80 | 14.00 | 1.318 | 77.07 | 1.298 | -0.1 | 0.103 | 0.176 |
| | Bluetooth | DH5 1Mbps | Left Cheek | 0mm | Ant 12 | Standalone | 78 | 2480 | 12.80 | 14.00 | 1.318 | 77.07 | 1.298 | 0.12 | 0.243 | 0.416 |
| | Bluetooth | DH5 1Mbps | Left Tilted | 0mm | Ant 12 | Standalone | 78 | 2480 | 12.80 | 14.00 | 1.318 | 77.07 | 1.298 | -0.05 | 0.152 | 0.260 |
| 27 | Bluetooth | DH5 1Mbps | Left Cheek | 0mm | Ant 12 | Standalone | 0 | 2402 | 12.00 | 14.00 | 1.585 | 77.07 | 1.298 | 0.05 | 0.206 | 0.424 |
| | Bluetooth | DH5 1Mbps | Left Cheek | 0mm | Ant 12 | Standalone | 39 | 2441 | 12.40 | 14.00 | 1.445 | 77.07 | 1.298 | 0.12 | 0.210 | 0.394 |
| | Bluetooth | DH5 1Mbps | Left Cheek | 0mm | Ant 12 | BT+2.4G/5G/6G/WWAN+BT/BT+5G/6G | 78 | 2480 | 9.70 | 11.00 | 1.349 | 77.07 | 1.298 | 0.12 | 0.128 | 0.224 |
| | Bluetooth | DH5 1Mbps | Left Cheek | 0mm | Ant 12 | BT+2.4G+5G/6G/WWAN+2.4G+BT/WWAN+5G/6G+BT | 78 | 2480 | 7.50 | 9.00 | 1.413 | 77.07 | 1.298 | 0.01 | 0.078 | 0.143 |
| | Bluetooth | DH5 1Mbps | Left Cheek | 0mm | Ant 12 | WWAN+2.4G+5G/6G+BT | 78 | 2480 | 6.50 | 8.00 | 1.413 | 77.07 | 1.298 | 0.05 | 0.056 | 0.103 |
| | Bluetooth | DH5 1Mbps | Right Cheek | 0mm | Ant 7 | Standalone | 78 | 2480 | 12.82 | 14.00 | 1.312 | 77.07 | 1.298 | -0.12 | 0.010 | 0.017 |
| | Bluetooth | DH5 1Mbps | Right Tilted | 0mm | Ant 7 | Standalone | 78 | 2480 | 12.82 | 14.00 | 1.312 | 77.07 | 1.298 | 0.08 | 0.008 | 0.014 |
| | Bluetooth | DH5 1Mbps | Left Cheek | 0mm | Ant 7 | Standalone | 78 | 2480 | 12.82 | 14.00 | 1.312 | 77.07 | 1.298 | -0.08 | 0.051 | 0.087 |
| | Bluetooth | DH5 1Mbps | Left Tilted | 0mm | Ant 7 | Standalone | 78 | 2480 | 12.82 | 14.00 | 1.312 | 77.07 | 1.298 | -0.07 | 0.016 | 0.027 |
| | Bluetooth | DH5 1Mbps | Left Cheek | 0mm | Ant 7 | Standalone | 0 | 2402 | 12.70 | 14.00 | 1.349 | 77.07 | 1.298 | 0.11 | 0.026 | 0.046 |
| | Bluetooth | DH5 1Mbps | Left Cheek | 0mm | Ant 7 | Standalone | 39 | 2441 | 12.40 | 14.00 | 1.445 | 77.07 | 1.298 | -0.17 | 0.037 | 0.069 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Cheek | 0mm | Ant 12 | Standalone | 1 | 2412 | 14.96 | 16.00 | 1.271 | 99.05 | 1.010 | 0.09 | 0.323 | 0.414 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Tilted | 0mm | Ant 12 | Standalone | 1 | 2412 | 14.96 | 16.00 | 1.271 | 99.05 | 1.010 | 0.18 | 0.304 | 0.390 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Ant 12 | Standalone | 1 | 2412 | 14.96 | 16.00 | 1.271 | 99.05 | 1.010 | -0.04 | 0.593 | 0.761 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Tilted | 0mm | Ant 12 | Standalone | 1 | 2412 | 14.96 | 16.00 | 1.271 | 99.05 | 1.010 | 0.11 | 0.547 | 0.702 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Ant 12 | Standalone | 6 | 2437 | 14.86 | 16.00 | 1.300 | 99.05 | 1.010 | -0.01 | 0.528 | 0.693 |
| 28 | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Ant 12 | Standalone | 11 | 2462 | 14.62 | 16.00 | 1.374 | 99.05 | 1.010 | -0.18 | 0.730 | 1.013 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Ant 12 | 2.4G+BT | 11 | 2462 | 14.62 | 16.00 | 1.374 | 99.05 | 1.010 | -0.18 | 0.730 | 1.013 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Ant 12 | 2.4G+5G/6G/WWAN+2.4G | 11 | 2462 | 10.62 | 12.00 | 1.374 | 99.05 | 1.010 | 0.02 | 0.291 | 0.404 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Ant 12 | 2.4G+5G/6G+BT | 11 | 2462 | 12.65 | 14.00 | 1.365 | 99.05 | 1.010 | 0.12 | 0.440 | 0.606 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Ant 12 | WWAN+2.4G+5G+BT/WWAN+2.4G+5G | 11 | 2462 | 7.61 | 9.00 | 1.377 | 99.05 | 1.010 | 0.04 | 0.117 | 0.163 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Cheek | 0mm | Ant 7 | Standalone | 6 | 2437 | 19.49 | 20.50 | 1.262 | 99.05 | 1.010 | -0.02 | 0.383 | 0.488 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Tilted | 0mm | Ant 7 | Standalone | 6 | 2437 | 19.49 | 20.50 | 1.262 | 99.05 | 1.010 | 0.09 | 0.088 | 0.112 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Ant 7 | Standalone | 6 | 2437 | 19.49 | 20.50 | 1.262 | 99.05 | 1.010 | -0.13 | 0.478 | 0.609 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Tilted | 0mm | Ant 7 | Standalone | 6 | 2437 | 19.49 | 20.50 | 1.262 | 99.05 | 1.010 | 0.18 | 0.142 | 0.181 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Ant 7 | Standalone | 1 | 2412 | 19.04 | 20.50 | 1.400 | 99.05 | 1.010 | 0.19 | 0.515 | 0.728 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Ant 7 | Standalone | 11 | 2462 | 19.22 | 20.50 | 1.343 | 99.05 | 1.010 | -0.04 | 0.595 | 0.807 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Ant 7 | 2.4G+BT | 11 | 2462 | 19.22 | 20.50 | 1.343 | 99.05 | 1.010 | -0.04 | 0.595 | 0.807 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Ant 7 | 2.4G+5G/WWAN+2.4G | 11 | 2462 | 16.20 | 17.50 | 1.349 | 99.05 | 1.010 | 0.08 | 0.277 | 0.377 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Ant 7 | 2.4G+5G/6G+BT | 11 | 2462 | 17.75 | 19.00 | 1.334 | 99.05 | 1.010 | 0.06 | 0.420 | 0.566 |
| | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek | 0mm | Ant 7 | WWAN+2.4G+5G/6G+BT/WWAN+2.4G+5G/6G | 11 | 2462 | 11.19 | 12.50 | 1.352 | 99.05 | 1.010 | -0.14 | 0.087 | 0.119 |
| | WLAN5.3GHz | 802.11ac-VHT160 MCS0 | Right Cheek | 0mm | Ant 10 | Standalone | 50 | 5250 | 15.12 | 17.00 | 1.542 | 99.63 | 1.004 | -0.02 | 0.261 | 0.404 |
| | WLAN5.3GHz | 802.11ac-VHT160 MCS0 | Right Tilted | 0mm | Ant 10 | Standalone | 50 | 5250 | 15.12 | 17.00 | 1.542 | 99.63 | 1.004 | -0.09 | 0.254 | 0.393 |
| 29 | WLAN5.3GHz | 802.11ac-VHT160 MCS0 | Left Cheek | 0mm | Ant 10 | Standalone | 50 | 5250 | 15.12 | 17.00 | 1.542 | 99.63 | 1.004 | -0.05 | 0.650 | 1.006 |
| | WLAN5.3GHz | 802.11ac-VHT160 MCS0 | Left Tilted | 0mm | Ant 10 | Standalone | 50 | 5250 | 15.12 | 17.00 | 1.542 | 99.63 | 1.004 | 0.07 | 0.502 | 0.777 |
| | WLAN5.3GHz | 802.11ac-VHT160 MCS0 | Left Cheek | 0mm | Ant 10 | 5G+BT | 50 | 5250 | 14.16 | 16.00 | 1.528 | 99.63 | 1.004 | 0.09 | 0.489 | 0.750 |
| | WLAN5.3GHz | 802.11ac-VHT160 MCS0 | Left Cheek | 0mm | Ant 10 | 2.4G+5G/2.4G+5G+BT/WWAN+5G | 50 | 5250 | 13.21 | 15.00 | 1.510 | 99.63 | 1.004 | 0.09 | 0.404 | 0.613 |
| | WLAN5.3GHz | 802.11ac-VHT160 MCS0 | Left Cheek | 0mm | Ant 10 | WWAN+2.4G+5G+BT/WWAN+2.4G+5G | 50 | 5250 | 8.23 | 10.00 | 1.503 | 99.63 | 1.004 | 0.09 | 0.113 | 0.171 |
| | WLAN5.3GHz | 802.11ac-VHT160 MCS0 | Right Cheek | 0mm | Ant 13 | Full | 50 | 5250 | 17.37 | 19.00 | 1.455 | 99.63 | 1.004 | 0.09 | 0.200 | 0.292 |
| | WLAN5.3GHz | 802.11ac-VHT160 MCS0 | Right Tilted | 0mm | Ant 13 | Full | 50 | 5250 | 17.37 | 19.00 | 1.455 | 99.63 | 1.004 | -0.14 | 0.144 | 0.210 |
| | WLAN5.3GHz | 802.11ac-VHT160 MCS0 | Left Cheek | 0mm | Ant 13 | Full | 50 | 5250 | 17.37 | 19.00 | 1.455 | 99.63 | 1.004 | -0.02 | 0.075 | 0.110 |
| | WLAN5.3GHz | 802.11ac-VHT160 MCS0 | Left Tilted | 0mm | Ant 13 | Full | 50 | 5250 | 17.37 | 19.00 | 1.455 | 99.63 | 1.004 | -0.08 | 0.049 | 0.072 |
| | WLAN5.5GHz | 802.11ac-VHT160 MCS0 | Right Cheek | 0mm | Ant 10 | Full | 114 | 5570 | 14.69 | 16.50 | 1.517 | 99.63 | 1.004 | -0.17 | 0.094 | 0.143 |
| | WLAN5.5GHz | 802.11ac-VHT160 MCS0 | Right Tilted | 0mm | Ant 10 | Full | 114 | 5570 | 14.69 | 16.50 | 1.517 | 99.63 | 1.004 | 0.12 | 0.100 | 0.152 |
| 30 | WLAN5.5GHz | 802.11ac-VHT160 MCS0 | Left Cheek | 0mm | Ant 10 | Full | 114 | 5570 | 14.69 | 16.50 | 1.517 | 99.63 | 1.004 | -0.09 | 0.296 | 0.451 |



FCC SAR TEST REPORT

Report No. : FA2O2001

| | | | | | | | | | | | | | | | | |
|----|------------|----------------------|--------------|-----|--------|----------------------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|--------------|
| | WLAN5.5GHz | 802.11ac-VHT160 MCS0 | Left Tilted | 0mm | Ant 10 | Full | 114 | 5570 | 14.69 | 16.50 | 1.517 | 99.63 | 1.004 | 0.15 | 0.237 | 0.361 |
| | WLAN5.5GHz | 802.11ac-VHT160 MCS0 | Left Cheek | 0mm | Ant 10 | 5G+BT | 114 | 5570 | 14.69 | 16.50 | 1.517 | 99.63 | 1.004 | -0.09 | 0.296 | 0.451 |
| | WLAN5.5GHz | 802.11ac-VHT160 MCS0 | Left Cheek | 0mm | Ant 10 | 2.4G+5G 2.4G+5G+BT//WWAN+5G | 114 | 5570 | 14.69 | 16.50 | 1.517 | 99.63 | 1.004 | -0.09 | 0.296 | 0.451 |
| | WLAN5.5GHz | 802.11ac-VHT160 MCS0 | Left Cheek | 0mm | Ant 10 | WWAN+2.4G+5G+BT /WWAN+2.4G+5G | 114 | 5570 | 10.73 | 12.50 | 1.503 | 99.63 | 1.004 | 0.09 | 0.110 | 0.166 |
| | WLAN5.5GHz | 802.11ac-VHT160 MCS0 | Right Cheek | 0mm | Ant 13 | Full | 114 | 5570 | 14.87 | 16.50 | 1.455 | 99.63 | 1.004 | -0.03 | 0.063 | 0.092 |
| | WLAN5.5GHz | 802.11ac-VHT160 MCS0 | Right Tilted | 0mm | Ant 13 | Full | 114 | 5570 | 14.87 | 16.50 | 1.455 | 99.63 | 1.004 | 0.16 | 0.052 | 0.076 |
| | WLAN5.5GHz | 802.11ac-VHT160 MCS0 | Left Cheek | 0mm | Ant 13 | Full | 114 | 5570 | 14.87 | 16.50 | 1.455 | 99.63 | 1.004 | -0.07 | 0.013 | 0.018 |
| | WLAN5.5GHz | 802.11ac-VHT160 MCS0 | Left Tilted | 0mm | Ant 13 | Full | 114 | 5570 | 14.87 | 16.50 | 1.455 | 99.63 | 1.004 | 0.11 | 0.007 | 0.010 |
| | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Right Cheek | 0mm | Ant 10 | Full | 155 | 5775 | 14.02 | 16.00 | 1.578 | 99.63 | 1.004 | 0.03 | 0.147 | 0.233 |
| | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Right Tilted | 0mm | Ant 10 | Full | 155 | 5775 | 14.02 | 16.00 | 1.578 | 99.63 | 1.004 | -0.16 | 0.134 | 0.212 |
| 31 | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Left Cheek | 0mm | Ant 10 | Full | 155 | 5775 | 14.02 | 16.00 | 1.578 | 99.63 | 1.004 | -0.03 | 0.473 | 0.749 |
| | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Left Tilted | 0mm | Ant 10 | Full | 155 | 5775 | 14.02 | 16.00 | 1.578 | 99.63 | 1.004 | 0.18 | 0.439 | 0.695 |
| | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Left Cheek | 0mm | Ant 10 | 5G+BT | 155 | 5775 | 14.02 | 16.00 | 1.578 | 99.63 | 1.004 | -0.03 | 0.473 | 0.749 |
| | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Left Cheek | 0mm | Ant 10 | 2.4G+5G 2.4G+5G+BT//WWAN+5G | 155 | 5775 | 13.14 | 15.00 | 1.535 | 99.63 | 1.004 | 0.09 | 0.379 | 0.584 |
| | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Left Cheek | 0mm | Ant 10 | WWAN+2.4G+5G+BT /WWAN+2.4G+5G | 155 | 5775 | 8.19 | 10.00 | 1.517 | 99.63 | 1.004 | 0.09 | 0.111 | 0.169 |
| | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Right Cheek | 0mm | Ant 13 | Full | 155 | 5775 | 14.11 | 16.00 | 1.545 | 99.63 | 1.004 | 0.01 | 0.087 | 0.135 |
| | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Right Tilted | 0mm | Ant 13 | Full | 155 | 5775 | 14.11 | 16.00 | 1.545 | 99.63 | 1.004 | 0.18 | 0.073 | 0.113 |
| | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Left Cheek | 0mm | Ant 13 | Full | 155 | 5775 | 14.11 | 16.00 | 1.545 | 99.63 | 1.004 | 0.07 | 0.058 | 0.090 |
| | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Left Tilted | 0mm | Ant 13 | Full | 155 | 5775 | 14.11 | 16.00 | 1.545 | 99.63 | 1.004 | 0.17 | 0.034 | 0.053 |



18.2 Hotspot SAR

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Mode | Test Position | Gap (mm) | Antenna | 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) | |
|---------------|-------------|----------|------------|---------|-----------|--------|---------------|----------|---------|-------------|--------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|--|
| 750MHz | | | | | | | | | | | | | | | | | | | |
| | LTE Band 71 | 20M | QPSK | 1 | 0 | - | Front | 10mm | Ant 0 | DSI 17 | 133297 | 680.5 | 23.81 | 24.30 | 1.119 | -0.06 | 0.344 | 0.385 | |
| | LTE Band 71 | 20M | QPSK | 1 | 0 | - | Back | 10mm | Ant 0 | DSI 17 | 133297 | 680.5 | 23.81 | 24.30 | 1.119 | -0.02 | 0.435 | 0.487 | |
| 33 | LTE Band 71 | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 0 | DSI 17 | 133297 | 680.5 | 23.81 | 24.30 | 1.119 | 0.04 | 0.670 | 0.750 | |
| | LTE Band 71 | 20M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 0 | DSI 17 | 133297 | 680.5 | 23.81 | 24.30 | 1.119 | 0.06 | 0.143 | 0.160 | |
| | LTE Band 71 | 20M | QPSK | 50 | 0 | - | Front | 10mm | Ant 0 | DSI 17 | 133297 | 680.5 | 22.93 | 23.30 | 1.089 | -0.07 | 0.297 | 0.323 | |
| | LTE Band 71 | 20M | QPSK | 50 | 0 | - | Back | 10mm | Ant 0 | DSI 17 | 133297 | 680.5 | 22.93 | 23.30 | 1.089 | -0.15 | 0.357 | 0.389 | |
| | LTE Band 71 | 20M | QPSK | 50 | 0 | - | Left Side | 10mm | Ant 0 | DSI 17 | 133297 | 680.5 | 22.93 | 23.30 | 1.089 | -0.07 | 0.551 | 0.600 | |
| | LTE Band 71 | 20M | QPSK | 50 | 0 | - | Top Side | 10mm | Ant 0 | DSI 17 | 133297 | 680.5 | 22.93 | 23.30 | 1.089 | 0.08 | 0.126 | 0.137 | |
| | LTE Band 71 | 20M | QPSK | 1 | 0 | - | Front | 10mm | Ant 1 | DSI 17 | 133297 | 680.5 | 24.04 | 24.80 | 1.191 | -0.1 | 0.143 | 0.170 | |
| | LTE Band 71 | 20M | QPSK | 1 | 0 | - | Back | 10mm | Ant 1 | DSI 17 | 133297 | 680.5 | 24.04 | 24.80 | 1.191 | -0.04 | 0.225 | 0.268 | |
| | LTE Band 71 | 20M | QPSK | 1 | 0 | - | Right Side | 10mm | Ant 1 | DSI 17 | 133297 | 680.5 | 24.04 | 24.80 | 1.191 | -0.02 | 0.306 | 0.365 | |
| | LTE Band 71 | 20M | QPSK | 1 | 0 | - | Bottom Side | 10mm | Ant 1 | DSI 17 | 133297 | 680.5 | 24.04 | 24.80 | 1.191 | 0.06 | 0.033 | 0.039 | |
| | LTE Band 71 | 20M | QPSK | 50 | 0 | - | Front | 10mm | Ant 1 | DSI 17 | 133297 | 680.5 | 23.14 | 23.80 | 1.164 | 0.07 | 0.112 | 0.130 | |
| | LTE Band 71 | 20M | QPSK | 50 | 0 | - | Back | 10mm | Ant 1 | DSI 17 | 133297 | 680.5 | 23.14 | 23.80 | 1.164 | -0.15 | 0.142 | 0.165 | |
| | LTE Band 71 | 20M | QPSK | 50 | 0 | - | Right Side | 10mm | Ant 1 | DSI 17 | 133297 | 680.5 | 23.14 | 23.80 | 1.164 | -0.04 | 0.288 | 0.335 | |
| | LTE Band 71 | 20M | QPSK | 50 | 0 | - | Bottom Side | 10mm | Ant 1 | DSI 17 | 133297 | 680.5 | 23.14 | 23.80 | 1.164 | 0.05 | 0.023 | 0.027 | |
| | LTE Band 12 | 10M | QPSK | 1 | 0 | - | Front | 10mm | Ant 0 | DSI 17 | 23095 | 707.5 | 22.23 | 22.80 | 1.140 | -0.15 | 0.305 | 0.348 | |
| | LTE Band 12 | 10M | QPSK | 1 | 0 | - | Back | 10mm | Ant 0 | DSI 17 | 23095 | 707.5 | 22.23 | 22.80 | 1.140 | -0.11 | 0.373 | 0.425 | |
| 34 | LTE Band 12 | 10M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 0 | DSI 17 | 23095 | 707.5 | 22.23 | 22.80 | 1.140 | -0.04 | 0.654 | 0.746 | |
| | LTE Band 12 | 10M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 0 | DSI 17 | 23095 | 707.5 | 22.23 | 22.80 | 1.140 | 0.07 | 0.031 | 0.035 | |
| | LTE Band 12 | 10M | QPSK | 25 | 0 | - | Front | 10mm | Ant 0 | DSI 17 | 23095 | 707.5 | 22.15 | 22.80 | 1.161 | 0.14 | 0.289 | 0.336 | |
| | LTE Band 12 | 10M | QPSK | 25 | 0 | - | Back | 10mm | Ant 0 | DSI 17 | 23095 | 707.5 | 22.15 | 22.80 | 1.161 | 0.15 | 0.365 | 0.424 | |
| | LTE Band 12 | 10M | QPSK | 25 | 0 | - | Left Side | 10mm | Ant 0 | DSI 17 | 23095 | 707.5 | 22.15 | 22.80 | 1.161 | 0.09 | 0.603 | 0.700 | |
| | LTE Band 12 | 10M | QPSK | 25 | 0 | - | Top Side | 10mm | Ant 0 | DSI 17 | 23095 | 707.5 | 22.15 | 22.80 | 1.161 | 0.06 | 0.028 | 0.033 | |
| | LTE Band 12 | 10M | QPSK | 1 | 0 | - | Front | 10mm | Ant 1 | DSI 17 | 23095 | 707.5 | 24.00 | 24.80 | 1.202 | -0.1 | 0.156 | 0.188 | |
| | LTE Band 12 | 10M | QPSK | 1 | 0 | - | Back | 10mm | Ant 1 | DSI 17 | 23095 | 707.5 | 24.00 | 24.80 | 1.202 | -0.12 | 0.195 | 0.234 | |
| | LTE Band 12 | 10M | QPSK | 1 | 0 | - | Right Side | 10mm | Ant 1 | DSI 17 | 23095 | 707.5 | 24.00 | 24.80 | 1.202 | -0.07 | 0.365 | 0.439 | |
| | LTE Band 12 | 10M | QPSK | 1 | 0 | - | Bottom Side | 10mm | Ant 1 | DSI 17 | 23095 | 707.5 | 24.00 | 24.80 | 1.202 | -0.16 | 0.179 | 0.215 | |
| | LTE Band 12 | 10M | QPSK | 25 | 0 | - | Front | 10mm | Ant 1 | DSI 17 | 23095 | 707.5 | 23.01 | 23.80 | 1.199 | -0.08 | 0.121 | 0.145 | |
| | LTE Band 12 | 10M | QPSK | 25 | 0 | - | Back | 10mm | Ant 1 | DSI 17 | 23095 | 707.5 | 23.01 | 23.80 | 1.199 | -0.11 | 0.156 | 0.187 | |
| | LTE Band 12 | 10M | QPSK | 25 | 0 | - | Right Side | 10mm | Ant 1 | DSI 17 | 23095 | 707.5 | 23.01 | 23.80 | 1.199 | -0.06 | 0.299 | 0.359 | |
| | LTE Band 12 | 10M | QPSK | 25 | 0 | - | Bottom Side | 10mm | Ant 1 | DSI 17 | 23095 | 707.5 | 23.01 | 23.80 | 1.199 | 0.16 | 0.135 | 0.162 | |
| | LTE Band 13 | 10M | QPSK | 1 | 0 | - | Front | 10mm | Ant 0 | DSI 17 | 23230 | 782 | 23.28 | 23.80 | 1.127 | 0.16 | 0.370 | 0.417 | |
| | LTE Band 13 | 10M | QPSK | 1 | 0 | - | Back | 10mm | Ant 0 | DSI 17 | 23230 | 782 | 23.28 | 23.80 | 1.127 | -0.01 | 0.441 | 0.497 | |
| 35 | LTE Band 13 | 10M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 0 | DSI 17 | 23230 | 782 | 23.28 | 23.80 | 1.127 | 0.15 | 0.702 | 0.791 | |
| | LTE Band 13 | 10M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 0 | DSI 17 | 23230 | 782 | 23.28 | 23.80 | 1.127 | 0.04 | 0.037 | 0.042 | |
| | LTE Band 13 | 10M | QPSK | 25 | 0 | - | Front | 10mm | Ant 0 | DSI 17 | 23230 | 782 | 22.80 | 23.30 | 1.122 | 0.16 | 0.299 | 0.335 | |
| | LTE Band 13 | 10M | QPSK | 25 | 0 | - | Back | 10mm | Ant 0 | DSI 17 | 23230 | 782 | 22.80 | 23.30 | 1.122 | -0.1 | 0.357 | 0.401 | |
| | LTE Band 13 | 10M | QPSK | 25 | 0 | - | Left Side | 10mm | Ant 0 | DSI 17 | 23230 | 782 | 22.80 | 23.30 | 1.122 | -0.11 | 0.613 | 0.688 | |
| | LTE Band 13 | 10M | QPSK | 25 | 0 | - | Top Side | 10mm | Ant 0 | DSI 17 | 23230 | 782 | 22.80 | 23.30 | 1.122 | 0.09 | 0.026 | 0.029 | |
| | LTE Band 13 | 10M | QPSK | 1 | 0 | - | Front | 10mm | Ant 1 | DSI 17 | 23230 | 782 | 23.95 | 24.80 | 1.216 | -0.07 | 0.175 | 0.213 | |
| | LTE Band 13 | 10M | QPSK | 1 | 0 | - | Back | 10mm | Ant 1 | DSI 17 | 23230 | 782 | 23.95 | 24.80 | 1.216 | 0.08 | 0.212 | 0.258 | |
| | LTE Band 13 | 10M | QPSK | 1 | 0 | - | Right Side | 10mm | Ant 1 | DSI 17 | 23230 | 782 | 23.95 | 24.80 | 1.216 | -0.08 | 0.326 | 0.396 | |
| | LTE Band 13 | 10M | QPSK | 1 | 0 | - | Bottom Side | 10mm | Ant 1 | DSI 17 | 23230 | 782 | 23.95 | 24.80 | 1.216 | 0.1 | 0.182 | 0.221 | |
| | LTE Band 13 | 10M | QPSK | 25 | 0 | - | Front | 10mm | Ant 1 | DSI 17 | 23230 | 782 | 22.99 | 23.80 | 1.205 | -0.04 | 0.140 | 0.169 | |
| | LTE Band 13 | 10M | QPSK | 25 | 0 | - | Back | 10mm | Ant 1 | DSI 17 | 23230 | 782 | 22.99 | 23.80 | 1.205 | 0.1 | 0.174 | 0.210 | |
| | LTE Band 13 | 10M | QPSK | 25 | 0 | - | Right Side | 10mm | Ant 1 | DSI 17 | 23230 | 782 | 22.99 | 23.80 | 1.205 | -0.15 | 0.251 | 0.302 | |
| | LTE Band 13 | 10M | QPSK | 25 | 0 | - | Bottom Side | 10mm | Ant 1 | DSI 17 | 23230 | 782 | 22.99 | 23.80 | 1.205 | 0.14 | 0.151 | 0.182 | |
| | n71 | 20M | QPSK | 1 | 1 | DFT-15 | Front | 10mm | Ant 0 | DSI 17 | 136100 | 680.5 | 23.27 | 23.70 | 1.104 | 0.05 | 0.401 | 0.443 | |
| | n71 | 20M | QPSK | 1 | 1 | DFT-15 | Back | 10mm | Ant 0 | DSI 17 | 136100 | 680.5 | 23.27 | 23.70 | 1.104 | 0.07 | 0.446 | 0.492 | |
| 36 | n71 | 20M | QPSK | 1 | 1 | DFT-15 | Left Side | 10mm | Ant 0 | DSI 17 | 136100 | 680.5 | 23.27 | 23.70 | 1.104 | -0.01 | 0.693 | 0.765 | |



FCC SAR TEST REPORT

Report No. : FA2O2001

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|---------------|-------------|-----|------|----|----|------------------------|-------------|------|-------|--------|--------|-------|-------|-------|-------|-------|-------|--------------|
| | n71 | 20M | QPSK | 1 | 1 | DFT-15 | Top Side | 10mm | Ant 0 | DSI 17 | 136100 | 680.5 | 23.27 | 23.70 | 1.104 | 0.08 | 0.043 | 0.047 |
| | n71 | 20M | QPSK | 50 | 28 | DFT-15 | Front | 10mm | Ant 0 | DSI 17 | 136100 | 680.5 | 23.20 | 23.70 | 1.122 | -0.12 | 0.342 | 0.384 |
| | n71 | 20M | QPSK | 50 | 28 | DFT-15 | Back | 10mm | Ant 0 | DSI 17 | 136100 | 680.5 | 23.20 | 23.70 | 1.122 | 0.1 | 0.399 | 0.448 |
| | n71 | 20M | QPSK | 50 | 28 | DFT-15 | Left Side | 10mm | Ant 0 | DSI 17 | 136100 | 680.5 | 23.20 | 23.70 | 1.122 | -0.09 | 0.672 | 0.754 |
| | n71 | 20M | QPSK | 50 | 28 | DFT-15 | Top Side | 10mm | Ant 0 | DSI 17 | 136100 | 680.5 | 23.20 | 23.70 | 1.122 | -0.06 | 0.040 | 0.045 |
| | n71 | 20M | QPSK | 1 | 1 | DFT-15 | Front | 10mm | Ant 1 | DSI 17 | 136100 | 680.5 | 24.32 | 25.20 | 1.225 | -0.12 | 0.156 | 0.191 |
| | n71 | 20M | QPSK | 1 | 1 | DFT-15 | Back | 10mm | Ant 1 | DSI 17 | 136100 | 680.5 | 24.32 | 25.20 | 1.225 | 0.14 | 0.202 | 0.247 |
| | n71 | 20M | QPSK | 1 | 1 | DFT-15 | Right Side | 10mm | Ant 1 | DSI 17 | 136100 | 680.5 | 24.32 | 25.20 | 1.225 | -0.16 | 0.393 | 0.481 |
| | n71 | 20M | QPSK | 1 | 1 | DFT-15 | Bottom Side | 10mm | Ant 1 | DSI 17 | 136100 | 680.5 | 24.32 | 25.20 | 1.225 | -0.09 | 0.185 | 0.227 |
| | n71 | 20M | QPSK | 50 | 28 | DFT-15 | Front | 10mm | Ant 1 | DSI 17 | 136100 | 680.5 | 24.30 | 25.20 | 1.230 | -0.03 | 0.153 | 0.188 |
| | n71 | 20M | QPSK | 50 | 28 | DFT-15 | Back | 10mm | Ant 1 | DSI 17 | 136100 | 680.5 | 24.30 | 25.20 | 1.230 | -0.15 | 0.200 | 0.246 |
| | n71 | 20M | QPSK | 50 | 28 | DFT-15 | Right Side | 10mm | Ant 1 | DSI 17 | 136100 | 680.5 | 24.30 | 25.20 | 1.230 | 0.04 | 0.382 | 0.470 |
| | n71 | 20M | QPSK | 50 | 28 | DFT-15 | Bottom Side | 10mm | Ant 1 | DSI 17 | 136100 | 680.5 | 24.30 | 25.20 | 1.230 | -0.11 | 0.181 | 0.223 |
| 835MHz | | | | | | | | | | | | | | | | | | |
| | GSM850 | - | - | - | - | GPRS (2 Tx slots) | Front | 10mm | Ant 0 | DSI 17 | 189 | 836.4 | 27.90 | 28.50 | 1.148 | 0.13 | 0.217 | 0.249 |
| | GSM850 | - | - | - | - | GPRS (2 Tx slots) | Back | 10mm | Ant 0 | DSI 17 | 189 | 836.4 | 27.90 | 28.50 | 1.148 | 0.09 | 0.242 | 0.278 |
| | GSM850 | - | - | - | - | GPRS (2 Tx slots) | Left Side | 10mm | Ant 0 | DSI 17 | 189 | 836.4 | 27.90 | 28.50 | 1.148 | -0.16 | 0.487 | 0.559 |
| | GSM850 | - | - | - | - | GPRS (2 Tx slots) | Top Side | 10mm | Ant 0 | DSI 17 | 189 | 836.4 | 27.90 | 28.50 | 1.148 | 0.08 | 0.049 | 0.056 |
| 37 | GSM850 | - | - | - | - | GPRS (2 Tx slots) | Left Side | 10mm | Ant 0 | DSI 17 | 128 | 824.2 | 27.83 | 28.50 | 1.167 | -0.09 | 0.590 | 0.688 |
| | GSM850 | - | - | - | - | DTM Multi-slot class 9 | Left Side | 10mm | Ant 0 | DSI 17 | 128 | 824.2 | 21.77 | 22.48 | 1.178 | 0.03 | 0.528 | 0.622 |
| | GSM850 | - | - | - | - | GPRS (2 Tx slots) | Left Side | 10mm | Ant 0 | DSI 17 | 251 | 848.8 | 27.80 | 28.50 | 1.175 | -0.08 | 0.509 | 0.598 |
| | GSM850 | - | - | - | - | GPRS (4 Tx slots) | Front | 10mm | Ant 1 | DSI 17 | 189 | 836.4 | 27.00 | 28.50 | 1.413 | 0.09 | 0.175 | 0.247 |
| | GSM850 | - | - | - | - | GPRS (4 Tx slots) | Back | 10mm | Ant 1 | DSI 17 | 189 | 836.4 | 27.00 | 28.50 | 1.413 | -0.06 | 0.229 | 0.323 |
| | GSM850 | - | - | - | - | GPRS (4 Tx slots) | Right Side | 10mm | Ant 1 | DSI 17 | 189 | 836.4 | 27.00 | 28.50 | 1.413 | -0.07 | 0.209 | 0.295 |
| | GSM850 | - | - | - | - | GPRS (4 Tx slots) | Bottom Side | 10mm | Ant 1 | DSI 17 | 189 | 836.4 | 27.00 | 28.50 | 1.413 | -0.02 | 0.181 | 0.256 |
| | GSM850 | - | - | - | - | GPRS (4 Tx slots) | Back | 10mm | Ant 1 | DSI 17 | 128 | 824.2 | 26.89 | 28.50 | 1.449 | 0.02 | 0.293 | 0.424 |
| | GSM850 | - | - | - | - | DTM Multi-slot class 9 | Back | 10mm | Ant 1 | DSI 17 | 128 | 824.2 | 23.76 | 24.98 | 1.324 | 0.04 | 0.278 | 0.368 |
| | GSM850 | - | - | - | - | GPRS (4 Tx slots) | Back | 10mm | Ant 1 | DSI 17 | 251 | 848.8 | 26.92 | 28.50 | 1.439 | 0.11 | 0.173 | 0.249 |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Front | 10mm | Ant 0 | DSI 17 | 4182 | 836.4 | 21.95 | 22.80 | 1.216 | -0.12 | 0.250 | 0.304 |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Back | 10mm | Ant 0 | DSI 17 | 4182 | 836.4 | 21.95 | 22.80 | 1.216 | -0.16 | 0.300 | 0.365 |
| 38 | WCDMA V | - | - | - | - | RMC 12.2Kbps | Left Side | 10mm | Ant 0 | DSI 17 | 4182 | 836.4 | 21.95 | 22.80 | 1.216 | -0.04 | 0.617 | 0.750 |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Top Side | 10mm | Ant 0 | DSI 17 | 4182 | 836.4 | 21.95 | 22.80 | 1.216 | 0.01 | 0.054 | 0.066 |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Left Side | 10mm | Ant 0 | DSI 17 | 4132 | 826.4 | 21.88 | 22.80 | 1.236 | 0.02 | 0.424 | 0.524 |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Left Side | 10mm | Ant 0 | DSI 17 | 4233 | 846.6 | 21.85 | 22.80 | 1.245 | -0.02 | 0.459 | 0.571 |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Front | 10mm | Ant 1 | DSI 17 | 4182 | 836.4 | 24.10 | 24.80 | 1.175 | 0.04 | 0.203 | 0.239 |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Back | 10mm | Ant 1 | DSI 17 | 4182 | 836.4 | 24.10 | 24.80 | 1.175 | -0.08 | 0.260 | 0.305 |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Right Side | 10mm | Ant 1 | DSI 17 | 4182 | 836.4 | 24.10 | 24.80 | 1.175 | 0.07 | 0.072 | 0.085 |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Bottom Side | 10mm | Ant 1 | DSI 17 | 4182 | 836.4 | 24.10 | 24.80 | 1.175 | 0.12 | 0.220 | 0.258 |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Back | 10mm | Ant 1 | DSI 17 | 4132 | 826.4 | 24.03 | 24.80 | 1.194 | -0.11 | 0.351 | 0.419 |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Back | 10mm | Ant 1 | DSI 17 | 4233 | 846.6 | 24.06 | 24.80 | 1.186 | 0.13 | 0.257 | 0.305 |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Front | 10mm | Ant 0 | DSI 17 | 26865 | 831.5 | 21.40 | 22.30 | 1.230 | -0.04 | 0.226 | 0.278 |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Back | 10mm | Ant 0 | DSI 17 | 26865 | 831.5 | 21.40 | 22.30 | 1.230 | 0.13 | 0.262 | 0.322 |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 0 | DSI 17 | 26865 | 831.5 | 21.40 | 22.30 | 1.230 | -0.15 | 0.530 | 0.652 |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 0 | DSI 17 | 26865 | 831.5 | 21.40 | 22.30 | 1.230 | 0.06 | 0.036 | 0.044 |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 0 | DSI 17 | 26765 | 821.5 | 21.31 | 22.30 | 1.256 | -0.04 | 0.531 | 0.667 |
| 39 | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 0 | DSI 17 | 26965 | 841.5 | 21.29 | 22.30 | 1.262 | -0.06 | 0.610 | 0.770 |
| | LTE Band 26 | 15M | QPSK | 36 | 0 | - | Front | 10mm | Ant 0 | DSI 17 | 26865 | 831.5 | 21.31 | 22.30 | 1.256 | -0.13 | 0.153 | 0.192 |
| | LTE Band 26 | 15M | QPSK | 36 | 0 | - | Back | 10mm | Ant 0 | DSI 17 | 26865 | 831.5 | 21.31 | 22.30 | 1.256 | -0.07 | 0.255 | 0.320 |
| | LTE Band 26 | 15M | QPSK | 36 | 0 | - | Left Side | 10mm | Ant 0 | DSI 17 | 26865 | 831.5 | 21.31 | 22.30 | 1.256 | 0.03 | 0.493 | 0.619 |
| | LTE Band 26 | 15M | QPSK | 36 | 0 | - | Top Side | 10mm | Ant 0 | DSI 17 | 26865 | 831.5 | 21.31 | 22.30 | 1.256 | 0.09 | 0.028 | 0.035 |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Front | 10mm | Ant 1 | DSI 17 | 26865 | 831.5 | 24.03 | 24.80 | 1.194 | 0.03 | 0.180 | 0.215 |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Back | 10mm | Ant 1 | DSI 17 | 26865 | 831.5 | 24.03 | 24.80 | 1.194 | -0.08 | 0.249 | 0.297 |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Right Side | 10mm | Ant 1 | DSI 17 | 26865 | 831.5 | 24.03 | 24.80 | 1.194 | -0.05 | 0.209 | 0.250 |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Bottom Side | 10mm | Ant 1 | DSI 17 | 26865 | 831.5 | 24.03 | 24.80 | 1.194 | -0.01 | 0.168 | 0.201 |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Back | 10mm | Ant 1 | DSI 17 | 26765 | 821.5 | 24.00 | 24.80 | 1.202 | 0.09 | 0.222 | 0.267 |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Back | 10mm | Ant 1 | DSI 17 | 26965 | 841.5 | 23.83 | 24.80 | 1.250 | 0.14 | 0.215 | 0.269 |



FCC SAR TEST REPORT

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|----------------|-------------|------|------|----|--------------|-------------|-------------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| LTE Band 26 | 15M | QPSK | 36 | 0 | - | Front | 10mm | Ant 1 | DSI 17 | 26865 | 831.5 | 22.94 | 23.80 | 1.219 | 0.16 | 0.151 | 0.184 | |
| LTE Band 26 | 15M | QPSK | 36 | 0 | - | Back | 10mm | Ant 1 | DSI 17 | 26865 | 831.5 | 22.94 | 23.80 | 1.219 | 0.09 | 0.189 | 0.230 | |
| LTE Band 26 | 15M | QPSK | 36 | 0 | - | Right Side | 10mm | Ant 1 | DSI 17 | 26865 | 831.5 | 22.94 | 23.80 | 1.219 | 0.07 | 0.177 | 0.216 | |
| LTE Band 26 | 15M | QPSK | 36 | 0 | - | Bottom Side | 10mm | Ant 1 | DSI 17 | 26865 | 831.5 | 22.94 | 23.80 | 1.219 | 0.02 | 0.142 | 0.173 | |
| n5 | 20M | QPSK | 1 | 1 | DFT-15 | Front | 10mm | Ant 0 | DSI 17 | 167300 | 836.5 | 22.23 | 23.20 | 1.250 | 0.03 | 0.273 | 0.341 | |
| n5 | 20M | QPSK | 1 | 1 | DFT-15 | Back | 10mm | Ant 0 | DSI 17 | 167300 | 836.5 | 22.23 | 23.20 | 1.250 | -0.11 | 0.318 | 0.398 | |
| 40 | n5 | 20M | QPSK | 1 | 1 | DFT-15 | Left Side | 10mm | Ant 0 | DSI 17 | 167300 | 836.5 | 22.23 | 23.20 | 1.250 | -0.07 | 0.582 | 0.728 |
| n5 | 20M | QPSK | 1 | 1 | DFT-15 | Top Side | 10mm | Ant 0 | DSI 17 | 167300 | 836.5 | 22.23 | 23.20 | 1.250 | 0.06 | 0.048 | 0.060 | |
| n5 | 20M | QPSK | 50 | 28 | DFT-15 | Front | 10mm | Ant 0 | DSI 17 | 167300 | 836.5 | 22.18 | 23.20 | 1.265 | -0.04 | 0.251 | 0.317 | |
| n5 | 20M | QPSK | 50 | 28 | DFT-15 | Back | 10mm | Ant 0 | DSI 17 | 167300 | 836.5 | 22.18 | 23.20 | 1.265 | 0.09 | 0.287 | 0.363 | |
| n5 | 20M | QPSK | 50 | 28 | DFT-15 | Left Side | 10mm | Ant 0 | DSI 17 | 167300 | 836.5 | 22.18 | 23.20 | 1.265 | -0.16 | 0.524 | 0.663 | |
| n5 | 20M | QPSK | 50 | 28 | DFT-15 | Top Side | 10mm | Ant 0 | DSI 17 | 167300 | 836.5 | 22.18 | 23.20 | 1.265 | 0.06 | 0.041 | 0.052 | |
| n5 | 20M | QPSK | 1 | 1 | DFT-15 | Front | 10mm | Ant 1 | DSI 17 | 167300 | 836.5 | 24.00 | 25.20 | 1.318 | 0.15 | 0.193 | 0.254 | |
| n5 | 20M | QPSK | 1 | 1 | DFT-15 | Back | 10mm | Ant 1 | DSI 17 | 167300 | 836.5 | 24.00 | 25.20 | 1.318 | -0.05 | 0.282 | 0.372 | |
| n5 | 20M | QPSK | 1 | 1 | DFT-15 | Right Side | 10mm | Ant 1 | DSI 17 | 167300 | 836.5 | 24.00 | 25.20 | 1.318 | -0.05 | 0.210 | 0.277 | |
| n5 | 20M | QPSK | 1 | 1 | DFT-15 | Bottom Side | 10mm | Ant 1 | DSI 17 | 167300 | 836.5 | 24.00 | 25.20 | 1.318 | 0.13 | 0.188 | 0.248 | |
| n5 | 20M | QPSK | 50 | 28 | DFT-15 | Front | 10mm | Ant 1 | DSI 17 | 167300 | 836.5 | 23.95 | 25.20 | 1.334 | 0.11 | 0.189 | 0.252 | |
| n5 | 20M | QPSK | 50 | 28 | DFT-15 | Back | 10mm | Ant 1 | DSI 17 | 167300 | 836.5 | 23.95 | 25.20 | 1.334 | -0.07 | 0.230 | 0.307 | |
| n5 | 20M | QPSK | 50 | 28 | DFT-15 | Right Side | 10mm | Ant 1 | DSI 17 | 167300 | 836.5 | 23.95 | 25.20 | 1.334 | -0.09 | 0.198 | 0.264 | |
| n5 | 20M | QPSK | 50 | 28 | DFT-15 | Bottom Side | 10mm | Ant 1 | DSI 17 | 167300 | 836.5 | 23.95 | 25.20 | 1.334 | 0.12 | 0.179 | 0.239 | |
| 1750MHz | | | | | | | | | | | | | | | | | | |
| WCDMA IV | - | - | - | - | RMC 12.2Kbps | Front | 10mm | Ant 4 | DSI 17 | 1413 | 1732.6 | 21.57 | 22.50 | 1.239 | 0.04 | 0.265 | 0.328 | |
| WCDMA IV | - | - | - | - | RMC 12.2Kbps | Back | 10mm | Ant 4 | DSI 17 | 1413 | 1732.6 | 21.57 | 22.50 | 1.239 | 0.04 | 0.382 | 0.473 | |
| WCDMA IV | - | - | - | - | RMC 12.2Kbps | Left Side | 10mm | Ant 4 | DSI 17 | 1413 | 1732.6 | 21.57 | 22.50 | 1.239 | 0.04 | 0.553 | 0.685 | |
| WCDMA IV | - | - | - | - | RMC 12.2Kbps | Top Side | 10mm | Ant 4 | DSI 17 | 1413 | 1732.6 | 21.57 | 22.50 | 1.239 | 0.03 | 0.139 | 0.172 | |
| 41 | WCDMA IV | - | - | - | RMC 12.2Kbps | Left Side | 10mm | Ant 4 | DSI 17 | 1312 | 1712.4 | 21.56 | 22.50 | 1.242 | 0.05 | 0.639 | 0.793 | |
| WCDMA IV | - | - | - | - | RMC 12.2Kbps | Left Side | 10mm | Ant 4 | DSI 17 | 1513 | 1752.6 | 21.47 | 22.50 | 1.268 | -0.02 | 0.615 | 0.780 | |
| WCDMA IV | - | - | - | - | RMC 12.2Kbps | Front | 10mm | Ant 5 | DSI 17 | 1413 | 1732.6 | 20.36 | 21.30 | 1.242 | 0.04 | 0.332 | 0.412 | |
| WCDMA IV | - | - | - | - | RMC 12.2Kbps | Back | 10mm | Ant 5 | DSI 17 | 1413 | 1732.6 | 20.36 | 21.30 | 1.242 | 0.07 | 0.361 | 0.448 | |
| WCDMA IV | - | - | - | - | RMC 12.2Kbps | Left Side | 10mm | Ant 5 | DSI 17 | 1413 | 1732.6 | 20.36 | 21.30 | 1.242 | -0.11 | 0.150 | 0.186 | |
| WCDMA IV | - | - | - | - | RMC 12.2Kbps | Bottom Side | 10mm | Ant 5 | DSI 17 | 1413 | 1732.6 | 20.36 | 21.30 | 1.242 | 0.01 | 0.580 | 0.720 | |
| WCDMA IV | - | - | - | - | RMC 12.2Kbps | Bottom Side | 10mm | Ant 5 | DSI 17 | 1312 | 1712.4 | 20.31 | 21.30 | 1.256 | -0.15 | 0.553 | 0.695 | |
| WCDMA IV | - | - | - | - | RMC 12.2Kbps | Bottom Side | 10mm | Ant 5 | DSI 17 | 1513 | 1752.6 | 20.29 | 21.30 | 1.262 | 0.08 | 0.563 | 0.710 | |
| LTE Band 66 | 20M | QPSK | 1 | 0 | - | Front | 10mm | Ant 4 | DSI 17 | 132322 | 1745 | 20.40 | 21.40 | 1.259 | -0.12 | 0.253 | 0.319 | |
| LTE Band 66 | 20M | QPSK | 1 | 0 | - | Back | 10mm | Ant 4 | DSI 17 | 132322 | 1745 | 20.40 | 21.40 | 1.259 | 0.14 | 0.351 | 0.442 | |
| LTE Band 66 | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 4 | DSI 17 | 132322 | 1745 | 20.40 | 21.40 | 1.259 | 0.1 | 0.573 | 0.721 | |
| LTE Band 66 | 20M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 4 | DSI 17 | 132322 | 1745 | 20.40 | 21.40 | 1.259 | -0.15 | 0.149 | 0.188 | |
| LTE Band 66 | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 4 | DSI 17 | 132072 | 1720 | 20.22 | 21.40 | 1.312 | -0.14 | 0.509 | 0.668 | |
| LTE Band 66 | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 4 | DSI 17 | 132572 | 1770 | 20.29 | 21.40 | 1.291 | -0.11 | 0.523 | 0.675 | |
| LTE Band 66 | 20M | QPSK | 50 | 0 | - | Front | 10mm | Ant 4 | DSI 17 | 132322 | 1745 | 20.29 | 21.40 | 1.291 | -0.16 | 0.248 | 0.320 | |
| LTE Band 66 | 20M | QPSK | 50 | 0 | - | Back | 10mm | Ant 4 | DSI 17 | 132322 | 1745 | 20.29 | 21.40 | 1.291 | -0.05 | 0.345 | 0.445 | |
| LTE Band 66 | 20M | QPSK | 50 | 0 | - | Left Side | 10mm | Ant 4 | DSI 17 | 132322 | 1745 | 20.29 | 21.40 | 1.291 | 0.07 | 0.537 | 0.693 | |
| LTE Band 66 | 20M | QPSK | 50 | 0 | - | Top Side | 10mm | Ant 4 | DSI 17 | 132322 | 1745 | 20.29 | 21.40 | 1.291 | 0.01 | 0.137 | 0.177 | |
| LTE Band 66 | 20M | QPSK | 1 | 0 | - | Front | 10mm | Ant 5 | DSI 17 | 132322 | 1745 | 20.40 | 21.30 | 1.230 | -0.07 | 0.346 | 0.426 | |
| LTE Band 66 | 20M | QPSK | 1 | 0 | - | Back | 10mm | Ant 5 | DSI 17 | 132322 | 1745 | 20.40 | 21.30 | 1.230 | 0.16 | 0.358 | 0.440 | |
| LTE Band 66 | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 5 | DSI 17 | 132322 | 1745 | 20.40 | 21.30 | 1.230 | -0.07 | 0.145 | 0.178 | |
| LTE Band 66 | 20M | QPSK | 1 | 0 | - | Bottom Side | 10mm | Ant 5 | DSI 17 | 132322 | 1745 | 20.40 | 21.30 | 1.230 | 0.1 | 0.563 | 0.693 | |
| LTE Band 66 | 20M | QPSK | 1 | 0 | - | Bottom Side | 10mm | Ant 5 | DSI 17 | 132072 | 1720 | 20.36 | 21.30 | 1.242 | 0.11 | 0.535 | 0.664 | |
| 42 | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Bottom Side | 10mm | Ant 5 | DSI 17 | 132572 | 1770 | 20.33 | 21.30 | 1.250 | -0.13 | 0.613 | 0.766 |
| LTE Band 66 | 20M | QPSK | 50 | 0 | - | Front | 10mm | Ant 5 | DSI 17 | 132322 | 1745 | 20.33 | 21.30 | 1.250 | 0.08 | 0.330 | 0.413 | |
| LTE Band 66 | 20M | QPSK | 50 | 0 | - | Back | 10mm | Ant 5 | DSI 17 | 132322 | 1745 | 20.33 | 21.30 | 1.250 | 0.14 | 0.343 | 0.429 | |
| LTE Band 66 | 20M | QPSK | 50 | 0 | - | Left Side | 10mm | Ant 5 | DSI 17 | 132322 | 1745 | 20.33 | 21.30 | 1.250 | 0.01 | 0.139 | 0.174 | |
| LTE Band 66 | 20M | QPSK | 50 | 0 | - | Bottom Side | 10mm | Ant 5 | DSI 17 | 132322 | 1745 | 20.33 | 21.30 | 1.250 | -0.12 | 0.549 | 0.686 | |
| LTE Band 66 | 20M | QPSK | 1 | 0 | - | Front | 10mm | Ant 6 | DSI 17 | 132322 | 1745 | 18.92 | 19.80 | 1.225 | 0.04 | 0.328 | 0.402 | |
| LTE Band 66 | 20M | QPSK | 1 | 0 | - | Back | 10mm | Ant 6 | DSI 17 | 132322 | 1745 | 18.92 | 19.80 | 1.225 | 0.16 | 0.332 | 0.407 | |
| LTE Band 66 | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 6 | DSI 17 | 132322 | 1745 | 18.92 | 19.80 | 1.225 | 0.16 | 0.112 | 0.137 | |



FCC SAR TEST REPORT

Report No. : FA2O2001

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|----------------|-----|------|------|-----|-------------------------|-------------|------------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| LTE Band 66 | 20M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 132322 | 1745 | 18.92 | 19.80 | 1.225 | 0.02 | 0.555 | 0.680 | |
| LTE Band 66 | 20M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 132072 | 1720 | 18.67 | 19.80 | 1.297 | 0.09 | 0.390 | 0.506 | |
| LTE Band 66 | 20M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 132572 | 1770 | 18.71 | 19.80 | 1.285 | 0.02 | 0.407 | 0.523 | |
| LTE Band 66 | 20M | QPSK | 50 | 0 | - | Front | 10mm | Ant 6 | DSI 17 | 132322 | 1745 | 18.81 | 19.80 | 1.256 | -0.16 | 0.315 | 0.396 | |
| LTE Band 66 | 20M | QPSK | 50 | 0 | - | Back | 10mm | Ant 6 | DSI 17 | 132322 | 1745 | 18.81 | 19.80 | 1.256 | -0.03 | 0.327 | 0.411 | |
| LTE Band 66 | 20M | QPSK | 50 | 0 | - | Left Side | 10mm | Ant 6 | DSI 17 | 132322 | 1745 | 18.81 | 19.80 | 1.256 | -0.12 | 0.108 | 0.136 | |
| LTE Band 66 | 20M | QPSK | 50 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 132322 | 1745 | 18.81 | 19.80 | 1.256 | -0.11 | 0.509 | 0.639 | |
| LTE Band 66 | 20M | QPSK | 1 | 0 | - | Front | 10mm | Ant 7 | DSI 17 | 132322 | 1745 | 19.85 | 20.70 | 1.216 | 0.06 | 0.173 | 0.210 | |
| LTE Band 66 | 20M | QPSK | 1 | 0 | - | Back | 10mm | Ant 7 | DSI 17 | 132322 | 1745 | 19.85 | 20.70 | 1.216 | 0.03 | 0.275 | 0.334 | |
| LTE Band 66 | 20M | QPSK | 1 | 0 | - | Right Side | 10mm | Ant 7 | DSI 17 | 132322 | 1745 | 19.85 | 20.70 | 1.216 | -0.03 | 0.526 | 0.640 | |
| LTE Band 66 | 20M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 7 | DSI 17 | 132322 | 1745 | 19.85 | 20.70 | 1.216 | -0.01 | 0.048 | 0.058 | |
| LTE Band 66 | 20M | QPSK | 1 | 0 | - | Right Side | 10mm | Ant 7 | DSI 17 | 132072 | 1720 | 19.77 | 20.70 | 1.239 | -0.05 | 0.459 | 0.569 | |
| LTE Band 66 | 20M | QPSK | 1 | 0 | - | Right Side | 10mm | Ant 7 | DSI 17 | 132572 | 1770 | 19.79 | 20.70 | 1.233 | -0.02 | 0.486 | 0.599 | |
| LTE Band 66 | 20M | QPSK | 50 | 0 | - | Front | 10mm | Ant 7 | DSI 17 | 132322 | 1745 | 19.60 | 20.70 | 1.288 | -0.15 | 0.168 | 0.216 | |
| LTE Band 66 | 20M | QPSK | 50 | 0 | - | Back | 10mm | Ant 7 | DSI 17 | 132322 | 1745 | 19.60 | 20.70 | 1.288 | 0.09 | 0.267 | 0.344 | |
| LTE Band 66 | 20M | QPSK | 50 | 0 | - | Right Side | 10mm | Ant 7 | DSI 17 | 132322 | 1745 | 19.60 | 20.70 | 1.288 | 0.06 | 0.476 | 0.613 | |
| LTE Band 66 | 20M | QPSK | 50 | 0 | - | Top Side | 10mm | Ant 7 | DSI 17 | 132322 | 1745 | 19.60 | 20.70 | 1.288 | 0.07 | 0.043 | 0.055 | |
| n66 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 10mm | Ant 4 | DSI 17 | 349000 | 1745 | 20.60 | 21.70 | 1.288 | 0.07 | 0.260 | 0.335 | |
| n66 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 10mm | Ant 4 | DSI 17 | 349000 | 1745 | 20.60 | 21.70 | 1.288 | -0.05 | 0.371 | 0.478 | |
| n66 | 40M | QPSK | 1 | 1 | DFT-15 | Left Side | 10mm | Ant 4 | DSI 17 | 349000 | 1745 | 20.60 | 21.70 | 1.288 | -0.06 | 0.528 | 0.680 | |
| n66 | 40M | QPSK | 1 | 1 | DFT-15 | Top Side | 10mm | Ant 4 | DSI 17 | 349000 | 1745 | 20.60 | 21.70 | 1.288 | 0.16 | 0.154 | 0.198 | |
| n66 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 10mm | Ant 4 | DSI 17 | 349000 | 1745 | 20.58 | 21.70 | 1.294 | 0.14 | 0.249 | 0.322 | |
| n66 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 10mm | Ant 4 | DSI 17 | 349000 | 1745 | 20.58 | 21.70 | 1.294 | 0.05 | 0.357 | 0.462 | |
| n66 | 40M | QPSK | 108 | 54 | DFT-15 | Left Side | 10mm | Ant 4 | DSI 17 | 349000 | 1745 | 20.58 | 21.70 | 1.294 | -0.16 | 0.493 | 0.638 | |
| n66 | 40M | QPSK | 108 | 54 | DFT-15 | Top Side | 10mm | Ant 4 | DSI 17 | 349000 | 1745 | 20.58 | 21.70 | 1.294 | 0.12 | 0.146 | 0.189 | |
| n66 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 10mm | Ant 5 | DSI 17 | 349000 | 1745 | 20.39 | 21.20 | 1.205 | 0.1 | 0.331 | 0.399 | |
| n66 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 10mm | Ant 5 | DSI 17 | 349000 | 1745 | 20.39 | 21.20 | 1.205 | 0.08 | 0.373 | 0.449 | |
| n66 | 40M | QPSK | 1 | 1 | DFT-15 | Left Side | 10mm | Ant 5 | DSI 17 | 349000 | 1745 | 20.39 | 21.20 | 1.205 | -0.13 | 0.159 | 0.192 | |
| n66 | 40M | QPSK | 1 | 1 | DFT-15 | Bottom Side | 10mm | Ant 5 | DSI 17 | 349000 | 1745 | 20.39 | 21.20 | 1.205 | 0.06 | 0.617 | 0.744 | |
| n66 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 10mm | Ant 5 | DSI 17 | 349000 | 1745 | 20.34 | 21.20 | 1.219 | -0.1 | 0.326 | 0.397 | |
| n66 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 10mm | Ant 5 | DSI 17 | 349000 | 1745 | 20.34 | 21.20 | 1.219 | -0.16 | 0.362 | 0.441 | |
| n66 | 40M | QPSK | 108 | 54 | DFT-15 | Left Side | 10mm | Ant 5 | DSI 17 | 349000 | 1745 | 20.34 | 21.20 | 1.219 | -0.09 | 0.148 | 0.180 | |
| n66 | 40M | QPSK | 108 | 54 | DFT-15 | Bottom Side | 10mm | Ant 5 | DSI 17 | 349000 | 1745 | 20.34 | 21.20 | 1.219 | -0.1 | 0.600 | 0.731 | |
| n66 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 10mm | Ant 6 | DSI 17 | 349000 | 1745 | 19.21 | 20.20 | 1.256 | -0.04 | 0.346 | 0.435 | |
| n66 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 10mm | Ant 6 | DSI 17 | 349000 | 1745 | 19.21 | 20.20 | 1.256 | 0.05 | 0.350 | 0.440 | |
| n66 | 40M | QPSK | 1 | 1 | DFT-15 | Left Side | 10mm | Ant 6 | DSI 17 | 349000 | 1745 | 19.21 | 20.20 | 1.256 | 0.12 | 0.107 | 0.134 | |
| n66 | 40M | QPSK | 1 | 1 | DFT-15 | Top Side | 10mm | Ant 6 | DSI 17 | 349000 | 1745 | 19.21 | 20.20 | 1.256 | -0.12 | 0.520 | 0.653 | |
| n66 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 10mm | Ant 6 | DSI 17 | 349000 | 1745 | 19.15 | 20.20 | 1.274 | -0.16 | 0.384 | 0.489 | |
| n66 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 10mm | Ant 6 | DSI 17 | 349000 | 1745 | 19.15 | 20.20 | 1.274 | 0.16 | 0.390 | 0.497 | |
| n66 | 40M | QPSK | 108 | 54 | DFT-15 | Left Side | 10mm | Ant 6 | DSI 17 | 349000 | 1745 | 19.15 | 20.20 | 1.274 | 0.03 | 0.112 | 0.143 | |
| n66 | 40M | QPSK | 108 | 54 | DFT-15 | Top Side | 10mm | Ant 6 | DSI 17 | 349000 | 1745 | 19.15 | 20.20 | 1.274 | -0.04 | 0.575 | 0.732 | |
| n66 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 10mm | Ant 7 | DSI 17 | 349000 | 1745 | 20.70 | 22.20 | 1.413 | -0.07 | 0.179 | 0.253 | |
| n66 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 10mm | Ant 7 | DSI 17 | 349000 | 1745 | 20.70 | 22.20 | 1.413 | 0.03 | 0.304 | 0.429 | |
| n66 | 40M | QPSK | 1 | 1 | DFT-15 | Right Side | 10mm | Ant 7 | DSI 17 | 349000 | 1745 | 20.70 | 22.20 | 1.413 | -0.14 | 0.462 | 0.653 | |
| n66 | 40M | QPSK | 1 | 1 | DFT-15 | Top Side | 10mm | Ant 7 | DSI 17 | 349000 | 1745 | 20.70 | 22.20 | 1.413 | 0.02 | 0.056 | 0.079 | |
| n66 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 10mm | Ant 7 | DSI 17 | 349000 | 1745 | 20.61 | 22.20 | 1.442 | 0.02 | 0.200 | 0.288 | |
| n66 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 10mm | Ant 7 | DSI 17 | 349000 | 1745 | 20.61 | 22.20 | 1.442 | 0.16 | 0.318 | 0.459 | |
| 43 | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Right Side | 10mm | Ant 7 | DSI 17 | 349000 | 1745 | 20.61 | 22.20 | 1.442 | -0.13 | 0.550 | 0.793 |
| n66 | 40M | QPSK | 108 | 54 | DFT-15 | Top Side | 10mm | Ant 7 | DSI 17 | 349000 | 1745 | 20.61 | 22.20 | 1.442 | 0.13 | 0.061 | 0.088 | |
| 1900MHZ | | | | | | | | | | | | | | | | | | |
| GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Front | 10mm | Ant 4 | DSI 17 | 661 | 1880 | 22.31 | 23.50 | 1.315 | -0.05 | 0.113 | 0.149 | |
| GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Back | 10mm | Ant 4 | DSI 17 | 661 | 1880 | 22.31 | 23.50 | 1.315 | 0.12 | 0.188 | 0.247 | |
| GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Left Side | 10mm | Ant 4 | DSI 17 | 661 | 1880 | 22.31 | 23.50 | 1.315 | 0.02 | 0.324 | 0.426 | |
| GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Top Side | 10mm | Ant 4 | DSI 17 | 661 | 1880 | 22.31 | 23.50 | 1.315 | 0.11 | 0.046 | 0.061 | |
| GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Left Side | 10mm | Ant 4 | DSI 17 | 512 | 1850.2 | 22.30 | 23.50 | 1.318 | -0.15 | 0.455 | 0.600 | |
| GSM1900 | - | - | - | - | DTM Multi-slot class 11 | Left Side | 10mm | Ant 4 | DSI 17 | 512 | 1850.2 | 19.47 | 20.44 | 1.250 | 0.09 | 0.418 | 0.523 | |



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|----|-------------|-----|------|----|---|------------------------|-------------|------|-------|--------|-------|--------|-------|-------|-------|-------|-------|--------------|
| | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Left Side | 10mm | Ant 4 | DSI 17 | 810 | 1909.8 | 22.23 | 23.50 | 1.340 | -0.06 | 0.324 | 0.434 |
| | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Front | 10mm | Ant 5 | DSI 17 | 661 | 1880 | 23.00 | 24.00 | 1.259 | 0.13 | 0.243 | 0.306 |
| | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Back | 10mm | Ant 5 | DSI 17 | 661 | 1880 | 23.00 | 24.00 | 1.259 | 0.05 | 0.288 | 0.363 |
| | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Left Side | 10mm | Ant 5 | DSI 17 | 661 | 1880 | 23.00 | 24.00 | 1.259 | 0.07 | 0.146 | 0.184 |
| | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Bottom Side | 10mm | Ant 5 | DSI 17 | 661 | 1880 | 23.00 | 24.00 | 1.259 | -0.15 | 0.429 | 0.540 |
| | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Bottom Side | 10mm | Ant 5 | DSI 17 | 512 | 1850.2 | 22.91 | 24.00 | 1.285 | -0.04 | 0.499 | 0.641 |
| 44 | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Bottom Side | 10mm | Ant 5 | DSI 17 | 810 | 1909.8 | 22.86 | 24.00 | 1.300 | -0.16 | 0.528 | 0.686 |
| | GSM1900 | - | - | - | - | DTM Multi-slot class 9 | Bottom Side | 10mm | Ant 5 | DSI 17 | 810 | 1909.8 | 19.71 | 20.98 | 1.340 | -0.01 | 0.501 | 0.671 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Front | 10mm | Ant 4 | DSI 17 | 9400 | 1880 | 20.94 | 22.00 | 1.276 | -0.06 | 0.145 | 0.185 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Back | 10mm | Ant 4 | DSI 17 | 9400 | 1880 | 20.94 | 22.00 | 1.276 | 0.16 | 0.219 | 0.280 |
| 45 | WCDMA II | - | - | - | - | RMC 12.2Kbps | Left Side | 10mm | Ant 4 | DSI 17 | 9400 | 1880 | 20.94 | 22.00 | 1.276 | -0.03 | 0.525 | 0.670 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Top Side | 10mm | Ant 4 | DSI 17 | 9400 | 1880 | 20.94 | 22.00 | 1.276 | -0.15 | 0.060 | 0.077 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Left Side | 10mm | Ant 4 | DSI 17 | 9538 | 1907.6 | 20.82 | 22.00 | 1.312 | 0.14 | 0.454 | 0.596 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Left Side | 10mm | Ant 4 | DSI 17 | 9538 | 1907.6 | 20.80 | 22.00 | 1.318 | -0.11 | 0.410 | 0.540 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Front | 10mm | Ant 5 | DSI 17 | 9400 | 1880 | 19.33 | 20.30 | 1.250 | -0.06 | 0.227 | 0.284 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Back | 10mm | Ant 5 | DSI 17 | 9400 | 1880 | 19.33 | 20.30 | 1.250 | -0.16 | 0.261 | 0.326 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Left Side | 10mm | Ant 5 | DSI 17 | 9400 | 1880 | 19.33 | 20.30 | 1.250 | -0.12 | 0.133 | 0.166 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Bottom Side | 10mm | Ant 5 | DSI 17 | 9400 | 1880 | 19.33 | 20.30 | 1.250 | 0.12 | 0.462 | 0.578 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Bottom Side | 10mm | Ant 5 | DSI 17 | 9262 | 1852.4 | 19.31 | 20.30 | 1.256 | 0.06 | 0.424 | 0.533 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Bottom Side | 10mm | Ant 5 | DSI 17 | 9538 | 1907.6 | 19.29 | 20.30 | 1.262 | -0.16 | 0.493 | 0.622 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Front | 10mm | Ant 4 | DSI 17 | 26340 | 1880 | 20.29 | 20.90 | 1.151 | -0.01 | 0.129 | 0.148 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Back | 10mm | Ant 4 | DSI 17 | 26340 | 1880 | 20.29 | 20.90 | 1.151 | 0.03 | 0.198 | 0.228 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 4 | DSI 17 | 26340 | 1880 | 20.29 | 20.90 | 1.151 | 0.06 | 0.548 | 0.631 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 4 | DSI 17 | 26340 | 1880 | 20.29 | 20.90 | 1.151 | 0.07 | 0.073 | 0.084 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 4 | DSI 17 | 26140 | 1860 | 20.13 | 20.90 | 1.194 | 0.05 | 0.437 | 0.522 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 4 | DSI 17 | 26590 | 1905 | 20.15 | 20.90 | 1.189 | -0.08 | 0.399 | 0.474 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Front | 10mm | Ant 4 | DSI 17 | 26340 | 1880 | 20.17 | 20.90 | 1.183 | 0.05 | 0.125 | 0.148 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Back | 10mm | Ant 4 | DSI 17 | 26340 | 1880 | 20.17 | 20.90 | 1.183 | -0.09 | 0.190 | 0.225 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Left Side | 10mm | Ant 4 | DSI 17 | 26340 | 1880 | 20.17 | 20.90 | 1.183 | 0.11 | 0.495 | 0.586 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Top Side | 10mm | Ant 4 | DSI 17 | 26340 | 1880 | 20.17 | 20.90 | 1.183 | 0.04 | 0.067 | 0.079 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Front | 10mm | Ant 5 | DSI 17 | 26340 | 1880 | 19.90 | 20.80 | 1.230 | 0.08 | 0.268 | 0.330 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Back | 10mm | Ant 5 | DSI 17 | 26340 | 1880 | 19.90 | 20.80 | 1.230 | 0.13 | 0.316 | 0.389 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 5 | DSI 17 | 26340 | 1880 | 19.90 | 20.80 | 1.230 | -0.15 | 0.156 | 0.192 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Bottom Side | 10mm | Ant 5 | DSI 17 | 26340 | 1880 | 19.90 | 20.80 | 1.230 | 0.15 | 0.582 | 0.716 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Bottom Side | 10mm | Ant 5 | DSI 17 | 26140 | 1860 | 19.83 | 20.80 | 1.250 | 0.11 | 0.566 | 0.708 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Bottom Side | 10mm | Ant 5 | DSI 17 | 26590 | 1905 | 19.89 | 20.80 | 1.233 | 0.06 | 0.639 | 0.788 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Front | 10mm | Ant 5 | DSI 17 | 26340 | 1880 | 19.78 | 20.80 | 1.265 | -0.05 | 0.256 | 0.324 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Back | 10mm | Ant 5 | DSI 17 | 26340 | 1880 | 19.78 | 20.80 | 1.265 | 0.15 | 0.308 | 0.390 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Left Side | 10mm | Ant 5 | DSI 17 | 26340 | 1880 | 19.78 | 20.80 | 1.265 | -0.12 | 0.148 | 0.187 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Bottom Side | 10mm | Ant 5 | DSI 17 | 26340 | 1880 | 19.78 | 20.80 | 1.265 | 0.07 | 0.559 | 0.707 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Front | 10mm | Ant 6 | DSI 17 | 26340 | 1880 | 19.60 | 20.30 | 1.175 | -0.15 | 0.409 | 0.481 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Back | 10mm | Ant 6 | DSI 17 | 26340 | 1880 | 19.60 | 20.30 | 1.175 | -0.09 | 0.422 | 0.496 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 6 | DSI 17 | 26340 | 1880 | 19.60 | 20.30 | 1.175 | 0.03 | 0.102 | 0.120 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 26340 | 1880 | 19.60 | 20.30 | 1.175 | -0.07 | 0.663 | 0.779 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 26140 | 1860 | 19.47 | 20.30 | 1.211 | 0.01 | 0.583 | 0.706 |
| 46 | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 26590 | 1905 | 19.59 | 20.30 | 1.178 | 0.07 | 0.671 | 0.790 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Front | 10mm | Ant 6 | DSI 17 | 26340 | 1880 | 19.46 | 20.30 | 1.213 | 0.03 | 0.389 | 0.472 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Back | 10mm | Ant 6 | DSI 17 | 26340 | 1880 | 19.46 | 20.30 | 1.213 | -0.06 | 0.415 | 0.504 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Left Side | 10mm | Ant 6 | DSI 17 | 26340 | 1880 | 19.46 | 20.30 | 1.213 | 0.09 | 0.096 | 0.116 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 26340 | 1880 | 19.46 | 20.30 | 1.213 | -0.06 | 0.625 | 0.758 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Front | 10mm | Ant 7 | DSI 17 | 26340 | 1880 | 20.11 | 21.20 | 1.285 | -0.12 | 0.154 | 0.198 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Back | 10mm | Ant 7 | DSI 17 | 26340 | 1880 | 20.11 | 21.20 | 1.285 | 0.1 | 0.265 | 0.341 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Right Side | 10mm | Ant 7 | DSI 17 | 26340 | 1880 | 20.11 | 21.20 | 1.285 | 0.03 | 0.394 | 0.506 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 7 | DSI 17 | 26340 | 1880 | 20.11 | 21.20 | 1.285 | -0.09 | 0.049 | 0.063 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Right Side | 10mm | Ant 7 | DSI 17 | 26140 | 1860 | 20.09 | 21.20 | 1.291 | 0.03 | 0.366 | 0.473 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Right Side | 10mm | Ant 7 | DSI 17 | 26590 | 1905 | 20.05 | 21.20 | 1.303 | -0.02 | 0.481 | 0.627 |



| | | | | | | | | | | | | | | | | | | |
|----------------|-------------|------|------|----|--------|-------------|-----------|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| LTE Band 25 | 20M | QPSK | 50 | 0 | - | Front | 10mm | Ant 7 | DSI 17 | 26340 | 1880 | 20.00 | 21.20 | 1.318 | 0.14 | 0.146 | 0.192 | |
| LTE Band 25 | 20M | QPSK | 50 | 0 | - | Back | 10mm | Ant 7 | DSI 17 | 26340 | 1880 | 20.00 | 21.20 | 1.318 | 0.15 | 0.257 | 0.339 | |
| LTE Band 25 | 20M | QPSK | 50 | 0 | - | Right Side | 10mm | Ant 7 | DSI 17 | 26340 | 1880 | 20.00 | 21.20 | 1.318 | -0.02 | 0.377 | 0.497 | |
| LTE Band 25 | 20M | QPSK | 50 | 0 | - | Top Side | 10mm | Ant 7 | DSI 17 | 26340 | 1880 | 20.00 | 21.20 | 1.318 | -0.16 | 0.042 | 0.055 | |
| n25 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 10mm | Ant 4 | DSI 17 | 376500 | 1882.5 | 21.77 | 22.70 | 1.239 | 0.07 | 0.294 | 0.364 | |
| n25 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 10mm | Ant 4 | DSI 17 | 376500 | 1882.5 | 21.77 | 22.70 | 1.239 | 0.15 | 0.453 | 0.561 | |
| 47 | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Left Side | 10mm | Ant 4 | DSI 17 | 376500 | 1882.5 | 21.77 | 22.70 | 1.239 | -0.06 | 0.640 | 0.793 |
| n25 | 40M | QPSK | 1 | 1 | DFT-15 | Top Side | 10mm | Ant 4 | DSI 17 | 376500 | 1882.5 | 21.77 | 22.70 | 1.239 | -0.01 | 0.130 | 0.161 | |
| n25 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 10mm | Ant 4 | DSI 17 | 376500 | 1882.5 | 21.61 | 22.70 | 1.285 | -0.14 | 0.286 | 0.368 | |
| n25 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 10mm | Ant 4 | DSI 17 | 376500 | 1882.5 | 21.61 | 22.70 | 1.285 | 0.11 | 0.449 | 0.577 | |
| n25 | 40M | QPSK | 108 | 54 | DFT-15 | Left Side | 10mm | Ant 4 | DSI 17 | 376500 | 1882.5 | 21.61 | 22.70 | 1.285 | -0.02 | 0.593 | 0.762 | |
| n25 | 40M | QPSK | 108 | 54 | DFT-15 | Top Side | 10mm | Ant 4 | DSI 17 | 376500 | 1882.5 | 21.61 | 22.70 | 1.285 | -0.14 | 0.121 | 0.156 | |
| n25 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 10mm | Ant 5 | DSI 17 | 376500 | 1882.5 | 20.27 | 21.20 | 1.239 | 0.04 | 0.305 | 0.378 | |
| n25 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 10mm | Ant 5 | DSI 17 | 376500 | 1882.5 | 20.27 | 21.20 | 1.239 | 0.07 | 0.339 | 0.420 | |
| n25 | 40M | QPSK | 1 | 1 | DFT-15 | Left Side | 10mm | Ant 5 | DSI 17 | 376500 | 1882.5 | 20.27 | 21.20 | 1.239 | 0.1 | 0.179 | 0.222 | |
| n25 | 40M | QPSK | 1 | 1 | DFT-15 | Bottom Side | 10mm | Ant 5 | DSI 17 | 376500 | 1882.5 | 20.27 | 21.20 | 1.239 | 0.16 | 0.567 | 0.702 | |
| n25 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 10mm | Ant 5 | DSI 17 | 376500 | 1882.5 | 20.25 | 21.20 | 1.245 | 0.02 | 0.300 | 0.373 | |
| n25 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 10mm | Ant 5 | DSI 17 | 376500 | 1882.5 | 20.25 | 21.20 | 1.245 | -0.11 | 0.330 | 0.411 | |
| n25 | 40M | QPSK | 108 | 54 | DFT-15 | Left Side | 10mm | Ant 5 | DSI 17 | 376500 | 1882.5 | 20.25 | 21.20 | 1.245 | -0.04 | 0.176 | 0.219 | |
| n25 | 40M | QPSK | 108 | 54 | DFT-15 | Bottom Side | 10mm | Ant 5 | DSI 17 | 376500 | 1882.5 | 20.25 | 21.20 | 1.245 | 0.14 | 0.525 | 0.653 | |
| n25 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 10mm | Ant 6 | DSI 17 | 376500 | 1882.5 | 18.75 | 19.70 | 1.245 | 0.13 | 0.323 | 0.402 | |
| n25 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 10mm | Ant 6 | DSI 17 | 376500 | 1882.5 | 18.75 | 19.70 | 1.245 | 0.01 | 0.347 | 0.432 | |
| n25 | 40M | QPSK | 1 | 1 | DFT-15 | Left Side | 10mm | Ant 6 | DSI 17 | 376500 | 1882.5 | 18.75 | 19.70 | 1.245 | 0.06 | 0.082 | 0.102 | |
| n25 | 40M | QPSK | 1 | 1 | DFT-15 | Top Side | 10mm | Ant 6 | DSI 17 | 376500 | 1882.5 | 18.75 | 19.70 | 1.245 | 0.12 | 0.524 | 0.652 | |
| n25 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 10mm | Ant 6 | DSI 17 | 376500 | 1882.5 | 18.72 | 19.70 | 1.253 | -0.13 | 0.341 | 0.427 | |
| n25 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 10mm | Ant 6 | DSI 17 | 376500 | 1882.5 | 18.72 | 19.70 | 1.253 | 0.01 | 0.363 | 0.455 | |
| n25 | 40M | QPSK | 108 | 54 | DFT-15 | Left Side | 10mm | Ant 6 | DSI 17 | 376500 | 1882.5 | 18.72 | 19.70 | 1.253 | 0.01 | 0.089 | 0.112 | |
| n25 | 40M | QPSK | 108 | 54 | DFT-15 | Top Side | 10mm | Ant 6 | DSI 17 | 376500 | 1882.5 | 18.72 | 19.70 | 1.253 | -0.06 | 0.590 | 0.739 | |
| n25 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 10mm | Ant 7 | DSI 17 | 376500 | 1882.5 | 20.55 | 21.60 | 1.274 | 0.06 | 0.165 | 0.210 | |
| n25 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 10mm | Ant 7 | DSI 17 | 376500 | 1882.5 | 20.55 | 21.60 | 1.274 | 0.16 | 0.288 | 0.367 | |
| n25 | 40M | QPSK | 1 | 1 | DFT-15 | Right Side | 10mm | Ant 7 | DSI 17 | 376500 | 1882.5 | 20.55 | 21.60 | 1.274 | 0.01 | 0.517 | 0.658 | |
| n25 | 40M | QPSK | 1 | 1 | DFT-15 | Top Side | 10mm | Ant 7 | DSI 17 | 376500 | 1882.5 | 20.55 | 21.60 | 1.274 | -0.08 | 0.036 | 0.046 | |
| n25 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 10mm | Ant 7 | DSI 17 | 376500 | 1882.5 | 20.52 | 21.60 | 1.282 | -0.08 | 0.166 | 0.213 | |
| n25 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 10mm | Ant 7 | DSI 17 | 376500 | 1882.5 | 20.52 | 21.60 | 1.282 | 0.09 | 0.296 | 0.380 | |
| n25 | 40M | QPSK | 108 | 54 | DFT-15 | Right Side | 10mm | Ant 7 | DSI 17 | 376500 | 1882.5 | 20.52 | 21.60 | 1.282 | 0.01 | 0.520 | 0.667 | |
| n25 | 40M | QPSK | 108 | 54 | DFT-15 | Top Side | 10mm | Ant 7 | DSI 17 | 376500 | 1882.5 | 20.52 | 21.60 | 1.282 | -0.02 | 0.045 | 0.058 | |
| 2300MHz | | | | | | | | | | | | | | | | | | |
| LTE Band 30 | 10M | QPSK | 1 | 0 | - | Front | 10mm | Ant 4 | DSI 17 | 27710 | 2310 | 19.51 | 20.40 | 1.227 | 0.08 | 0.205 | 0.252 | |
| LTE Band 30 | 10M | QPSK | 1 | 0 | - | Back | 10mm | Ant 4 | DSI 17 | 27710 | 2310 | 19.51 | 20.40 | 1.227 | -0.15 | 0.352 | 0.432 | |
| 48 | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 4 | DSI 17 | 27710 | 2310 | 19.51 | 20.40 | 1.227 | 0.03 | 0.619 | 0.760 |
| LTE Band 30 | 10M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 4 | DSI 17 | 27710 | 2310 | 19.51 | 20.40 | 1.227 | 0.09 | 0.031 | 0.038 | |
| LTE Band 30 | 10M | QPSK | 25 | 0 | - | Front | 10mm | Ant 4 | DSI 17 | 27710 | 2310 | 19.45 | 20.40 | 1.245 | 0.07 | 0.199 | 0.248 | |
| LTE Band 30 | 10M | QPSK | 25 | 0 | - | Back | 10mm | Ant 4 | DSI 17 | 27710 | 2310 | 19.45 | 20.40 | 1.245 | 0.02 | 0.345 | 0.429 | |
| LTE Band 30 | 10M | QPSK | 25 | 0 | - | Left Side | 10mm | Ant 4 | DSI 17 | 27710 | 2310 | 19.45 | 20.40 | 1.245 | -0.06 | 0.574 | 0.714 | |
| LTE Band 30 | 10M | QPSK | 25 | 0 | - | Top Side | 10mm | Ant 4 | DSI 17 | 27710 | 2310 | 19.45 | 20.40 | 1.245 | -0.03 | 0.026 | 0.032 | |
| LTE Band 30 | 10M | QPSK | 1 | 0 | - | Front | 10mm | Ant 5 | DSI 17 | 27710 | 2310 | 20.13 | 21.30 | 1.309 | 0.16 | 0.254 | 0.333 | |
| LTE Band 30 | 10M | QPSK | 1 | 0 | - | Back | 10mm | Ant 5 | DSI 17 | 27710 | 2310 | 20.13 | 21.30 | 1.309 | -0.01 | 0.277 | 0.363 | |
| LTE Band 30 | 10M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 5 | DSI 17 | 27710 | 2310 | 20.13 | 21.30 | 1.309 | -0.03 | 0.142 | 0.186 | |
| LTE Band 30 | 10M | QPSK | 1 | 0 | - | Bottom Side | 10mm | Ant 5 | DSI 17 | 27710 | 2310 | 20.13 | 21.30 | 1.309 | -0.12 | 0.555 | 0.727 | |
| LTE Band 30 | 10M | QPSK | 25 | 0 | - | Front | 10mm | Ant 5 | DSI 17 | 27710 | 2310 | 20.08 | 21.30 | 1.324 | 0.03 | 0.236 | 0.313 | |
| LTE Band 30 | 10M | QPSK | 25 | 0 | - | Back | 10mm | Ant 5 | DSI 17 | 27710 | 2310 | 20.08 | 21.30 | 1.324 | 0.01 | 0.268 | 0.355 | |
| LTE Band 30 | 10M | QPSK | 25 | 0 | - | Left Side | 10mm | Ant 5 | DSI 17 | 27710 | 2310 | 20.08 | 21.30 | 1.324 | -0.02 | 0.135 | 0.179 | |
| LTE Band 30 | 10M | QPSK | 25 | 0 | - | Bottom Side | 10mm | Ant 5 | DSI 17 | 27710 | 2310 | 20.08 | 21.30 | 1.324 | -0.02 | 0.511 | 0.677 | |
| LTE Band 30 | 10M | QPSK | 1 | 0 | - | Front | 10mm | Ant 6 | DSI 17 | 27710 | 2310 | 20.45 | 21.30 | 1.216 | -0.12 | 0.354 | 0.431 | |
| LTE Band 30 | 10M | QPSK | 1 | 0 | - | Back | 10mm | Ant 6 | DSI 17 | 27710 | 2310 | 20.45 | 21.30 | 1.216 | -0.06 | 0.388 | 0.472 | |
| LTE Band 30 | 10M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 6 | DSI 17 | 27710 | 2310 | 20.45 | 21.30 | 1.216 | -0.13 | 0.115 | 0.140 | |



FCC SAR TEST REPORT

Report No. : FA2O2001

| | | | | | | | | | | | | | | | | | | |
|----|-------------|-----|------|----|----|--------|-------------|------|-------|--------|--------|------|-------|-------|-------|-------|-------|-------|
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 27710 | 2310 | 20.45 | 21.30 | 1.216 | -0.1 | 0.614 | 0.747 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Front | 10mm | Ant 6 | DSI 17 | 27710 | 2310 | 20.32 | 21.30 | 1.253 | -0.07 | 0.346 | 0.434 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Back | 10mm | Ant 6 | DSI 17 | 27710 | 2310 | 20.32 | 21.30 | 1.253 | -0.1 | 0.374 | 0.469 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Left Side | 10mm | Ant 6 | DSI 17 | 27710 | 2310 | 20.32 | 21.30 | 1.253 | -0.14 | 0.111 | 0.139 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 27710 | 2310 | 20.32 | 21.30 | 1.253 | 0.09 | 0.589 | 0.738 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Front | 10mm | Ant 7 | DSI 17 | 27710 | 2310 | 20.59 | 21.60 | 1.262 | -0.15 | 0.230 | 0.290 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Back | 10mm | Ant 7 | DSI 17 | 27710 | 2310 | 20.59 | 21.60 | 1.262 | -0.15 | 0.250 | 0.315 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Right Side | 10mm | Ant 7 | DSI 17 | 27710 | 2310 | 20.59 | 21.60 | 1.262 | 0.03 | 0.559 | 0.705 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 7 | DSI 17 | 27710 | 2310 | 20.59 | 21.60 | 1.262 | -0.08 | 0.113 | 0.143 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Front | 10mm | Ant 7 | DSI 17 | 27710 | 2310 | 20.45 | 21.60 | 1.303 | 0.07 | 0.226 | 0.295 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Back | 10mm | Ant 7 | DSI 17 | 27710 | 2310 | 20.45 | 21.60 | 1.303 | -0.13 | 0.241 | 0.314 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Right Side | 10mm | Ant 7 | DSI 17 | 27710 | 2310 | 20.45 | 21.60 | 1.303 | -0.12 | 0.528 | 0.688 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Top Side | 10mm | Ant 7 | DSI 17 | 27710 | 2310 | 20.45 | 21.60 | 1.303 | -0.12 | 0.109 | 0.142 |
| | n30 | 10M | QPSK | 1 | 1 | DFT-15 | Front | 10mm | Ant 4 | DSI 17 | 462000 | 2310 | 20.68 | 21.70 | 1.265 | -0.16 | 0.250 | 0.316 |
| | n30 | 10M | QPSK | 1 | 1 | DFT-15 | Back | 10mm | Ant 4 | DSI 17 | 462000 | 2310 | 20.68 | 21.70 | 1.265 | 0.12 | 0.430 | 0.544 |
| 49 | n30 | 10M | QPSK | 1 | 1 | DFT-15 | Left Side | 10mm | Ant 4 | DSI 17 | 462000 | 2310 | 20.68 | 21.70 | 1.265 | -0.02 | 0.612 | 0.774 |
| | n30 | 10M | QPSK | 1 | 1 | DFT-15 | Top Side | 10mm | Ant 4 | DSI 17 | 462000 | 2310 | 20.68 | 21.70 | 1.265 | 0.16 | 0.086 | 0.109 |
| | n30 | 10M | QPSK | 25 | 14 | DFT-15 | Front | 10mm | Ant 4 | DSI 17 | 462000 | 2310 | 20.56 | 21.70 | 1.300 | -0.04 | 0.241 | 0.313 |
| | n30 | 10M | QPSK | 25 | 14 | DFT-15 | Back | 10mm | Ant 4 | DSI 17 | 462000 | 2310 | 20.56 | 21.70 | 1.300 | 0.05 | 0.417 | 0.542 |
| | n30 | 10M | QPSK | 25 | 14 | DFT-15 | Left Side | 10mm | Ant 4 | DSI 17 | 462000 | 2310 | 20.56 | 21.70 | 1.300 | 0.09 | 0.536 | 0.697 |
| | n30 | 10M | QPSK | 25 | 14 | DFT-15 | Top Side | 10mm | Ant 4 | DSI 17 | 462000 | 2310 | 20.56 | 21.70 | 1.300 | -0.13 | 0.081 | 0.105 |
| | n30 | 10M | QPSK | 1 | 1 | DFT-15 | Front | 10mm | Ant 5 | DSI 17 | 462000 | 2310 | 20.99 | 21.70 | 1.178 | -0.16 | 0.287 | 0.338 |
| | n30 | 10M | QPSK | 1 | 1 | DFT-15 | Back | 10mm | Ant 5 | DSI 17 | 462000 | 2310 | 20.99 | 21.70 | 1.178 | -0.12 | 0.321 | 0.378 |
| | n30 | 10M | QPSK | 1 | 1 | DFT-15 | Left Side | 10mm | Ant 5 | DSI 17 | 462000 | 2310 | 20.99 | 21.70 | 1.178 | 0.05 | 0.123 | 0.145 |
| | n30 | 10M | QPSK | 1 | 1 | DFT-15 | Bottom Side | 10mm | Ant 5 | DSI 17 | 462000 | 2310 | 20.99 | 21.70 | 1.178 | -0.06 | 0.513 | 0.604 |
| | n30 | 10M | QPSK | 25 | 14 | DFT-15 | Front | 10mm | Ant 5 | DSI 17 | 462000 | 2310 | 20.95 | 21.70 | 1.189 | -0.03 | 0.290 | 0.345 |
| | n30 | 10M | QPSK | 25 | 14 | DFT-15 | Back | 10mm | Ant 5 | DSI 17 | 462000 | 2310 | 20.95 | 21.70 | 1.189 | -0.05 | 0.332 | 0.395 |
| | n30 | 10M | QPSK | 25 | 14 | DFT-15 | Left Side | 10mm | Ant 5 | DSI 17 | 462000 | 2310 | 20.95 | 21.70 | 1.189 | -0.05 | 0.130 | 0.155 |
| | n30 | 10M | QPSK | 25 | 14 | DFT-15 | Bottom Side | 10mm | Ant 5 | DSI 17 | 462000 | 2310 | 20.95 | 21.70 | 1.189 | -0.05 | 0.622 | 0.739 |



FCC SAR TEST REPORT

Report No. : FA2O2001

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Mode | Test Position | Gap (mm) | 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) |
|----------------|-----------------|----------|------------|---------|-----------|------|---------------|----------|---------|-------------|-------------|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
| 2600MHz | | | | | | | | | | | | | | | | | | | | |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Front | 10mm | Ant 4 | DSI 17 | 21100 | 2535 | 18.77 | 19.70 | 1.239 | - | - | 0.01 | 0.145 | 0.180 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Back | 10mm | Ant 4 | DSI 17 | 21100 | 2535 | 18.77 | 19.70 | 1.239 | - | - | 0.02 | 0.275 | 0.341 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 4 | DSI 17 | 21100 | 2535 | 18.77 | 19.70 | 1.239 | - | - | 0.03 | 0.474 | 0.587 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 4 | DSI 17 | 21100 | 2535 | 18.77 | 19.70 | 1.239 | - | - | 0.09 | 0.060 | 0.074 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 4 | DSI 17 | 20850 | 2510 | 18.69 | 19.70 | 1.262 | - | - | -0.12 | 0.418 | 0.527 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 4 | DSI 17 | 21350 | 2560 | 18.73 | 19.70 | 1.250 | - | - | 0.09 | 0.557 | 0.696 |
| | LTE Band 7C | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 4 | DSI 17 | 21350+21152 | 2560+2540.2 | 18.66 | 19.70 | 1.271 | - | - | 0.03 | 0.528 | 0.671 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Front | 10mm | Ant 4 | DSI 17 | 21100 | 2535 | 18.72 | 19.70 | 1.253 | - | - | 0.03 | 0.138 | 0.173 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Back | 10mm | Ant 4 | DSI 17 | 21100 | 2535 | 18.72 | 19.70 | 1.253 | - | - | -0.1 | 0.167 | 0.209 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Left Side | 10mm | Ant 4 | DSI 17 | 21100 | 2535 | 18.72 | 19.70 | 1.253 | - | - | -0.06 | 0.463 | 0.580 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Top Side | 10mm | Ant 4 | DSI 17 | 21100 | 2535 | 18.72 | 19.70 | 1.253 | - | - | 0.09 | 0.054 | 0.068 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Front | 10mm | Ant 5 | DSI 17 | 21100 | 2535 | 19.96 | 20.80 | 1.213 | - | - | -0.11 | 0.257 | 0.312 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Back | 10mm | Ant 5 | DSI 17 | 21100 | 2535 | 19.96 | 20.80 | 1.213 | - | - | 0.07 | 0.359 | 0.436 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 5 | DSI 17 | 21100 | 2535 | 19.96 | 20.80 | 1.213 | - | - | -0.1 | 0.177 | 0.215 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Bottom Side | 10mm | Ant 5 | DSI 17 | 21100 | 2535 | 19.96 | 20.80 | 1.213 | - | - | -0.13 | 0.564 | 0.684 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Bottom Side | 10mm | Ant 5 | DSI 17 | 20850 | 2510 | 19.90 | 20.80 | 1.230 | - | - | -0.1 | 0.472 | 0.581 |
| 50 | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Bottom Side | 10mm | Ant 5 | DSI 17 | 21350 | 2560 | 19.92 | 20.80 | 1.225 | - | - | -0.06 | 0.623 | 0.763 |
| | LTE Band 7C | 20M | QPSK | 1 | 0 | - | Bottom Side | 10mm | Ant 5 | DSI 17 | 21350+21152 | 2560+2540.2 | 19.42 | 20.80 | 1.374 | - | - | -0.07 | 0.525 | 0.721 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Front | 10mm | Ant 5 | DSI 17 | 21100 | 2535 | 19.91 | 20.80 | 1.227 | - | - | 0.06 | 0.248 | 0.304 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Back | 10mm | Ant 5 | DSI 17 | 21100 | 2535 | 19.91 | 20.80 | 1.227 | - | - | -0.14 | 0.346 | 0.425 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Left Side | 10mm | Ant 5 | DSI 17 | 21100 | 2535 | 19.91 | 20.80 | 1.227 | - | - | 0.04 | 0.171 | 0.210 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Bottom Side | 10mm | Ant 5 | DSI 17 | 21100 | 2535 | 19.91 | 20.80 | 1.227 | - | - | -0.14 | 0.553 | 0.679 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Front | 10mm | Ant 6 | DSI 17 | 21100 | 2535 | 15.33 | 16.30 | 1.250 | - | - | 0.13 | 0.219 | 0.274 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Back | 10mm | Ant 6 | DSI 17 | 21100 | 2535 | 15.33 | 16.30 | 1.250 | - | - | 0.08 | 0.252 | 0.315 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 6 | DSI 17 | 21100 | 2535 | 15.33 | 16.30 | 1.250 | - | - | 0.06 | 0.032 | 0.040 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 21100 | 2535 | 15.33 | 16.30 | 1.250 | - | - | 0.02 | 0.546 | 0.683 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 20850 | 2510 | 15.27 | 16.30 | 1.268 | - | - | -0.03 | 0.381 | 0.483 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 21350 | 2560 | 15.31 | 16.30 | 1.256 | - | - | 0.06 | 0.589 | 0.740 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Front | 10mm | Ant 6 | DSI 17 | 21100 | 2535 | 15.20 | 16.30 | 1.288 | - | - | 0.14 | 0.206 | 0.265 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Back | 10mm | Ant 6 | DSI 17 | 21100 | 2535 | 15.20 | 16.30 | 1.288 | - | - | -0.1 | 0.246 | 0.317 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Left Side | 10mm | Ant 6 | DSI 17 | 21100 | 2535 | 15.20 | 16.30 | 1.288 | - | - | 0.04 | 0.029 | 0.037 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 21100 | 2535 | 15.20 | 16.30 | 1.288 | - | - | -0.08 | 0.529 | 0.681 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Front | 10mm | Ant 7 | DSI 17 | 21100 | 2535 | 20.71 | 21.60 | 1.227 | - | - | 0.12 | 0.295 | 0.362 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Back | 10mm | Ant 7 | DSI 17 | 21100 | 2535 | 20.71 | 21.60 | 1.227 | - | - | -0.1 | 0.393 | 0.482 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Right Side | 10mm | Ant 7 | DSI 17 | 21100 | 2535 | 20.71 | 21.60 | 1.227 | - | - | 0.1 | 0.599 | 0.735 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 7 | DSI 17 | 21100 | 2535 | 20.71 | 21.60 | 1.227 | - | - | 0.04 | 0.065 | 0.080 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Right Side | 10mm | Ant 7 | DSI 17 | 20850 | 2510 | 20.68 | 21.60 | 1.236 | - | - | -0.15 | 0.435 | 0.538 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Right Side | 10mm | Ant 7 | DSI 17 | 21350 | 2560 | 20.63 | 21.60 | 1.250 | - | - | -0.03 | 0.505 | 0.631 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Front | 10mm | Ant 7 | DSI 17 | 21100 | 2535 | 20.66 | 21.60 | 1.242 | - | - | 0.1 | 0.279 | 0.346 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Back | 10mm | Ant 7 | DSI 17 | 21100 | 2535 | 20.66 | 21.60 | 1.242 | - | - | 0.11 | 0.384 | 0.477 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Right Side | 10mm | Ant 7 | DSI 17 | 21100 | 2535 | 20.66 | 21.60 | 1.242 | - | - | 0.15 | 0.567 | 0.704 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Top Side | 10mm | Ant 7 | DSI 17 | 21100 | 2535 | 20.66 | 21.60 | 1.242 | - | - | 0.01 | 0.063 | 0.078 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Front | 10mm | Ant 4 | DSI 17 | 40620 | 2593 | 20.77 | 21.80 | 1.268 | 62.9 | 1.006 | 0.11 | 0.145 | 0.185 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Back | 10mm | Ant 4 | DSI 17 | 40620 | 2593 | 20.77 | 21.80 | 1.268 | 62.9 | 1.006 | -0.02 | 0.262 | 0.334 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 4 | DSI 17 | 40620 | 2593 | 20.77 | 21.80 | 1.268 | 62.9 | 1.006 | 0.07 | 0.479 | 0.611 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 4 | DSI 17 | 40620 | 2593 | 20.77 | 21.80 | 1.268 | 62.9 | 1.006 | 0.09 | 0.060 | 0.077 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 4 | DSI 17 | 39750 | 2506 | 20.64 | 21.80 | 1.306 | 62.9 | 1.006 | 0.01 | 0.397 | 0.522 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 4 | DSI 17 | 40185 | 2549.5 | 20.65 | 21.80 | 1.303 | 62.9 | 1.006 | 0.14 | 0.447 | 0.586 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 4 | DSI 17 | 41055 | 2636.5 | 20.72 | 21.80 | 1.282 | 62.9 | 1.006 | 0.14 | 0.501 | 0.646 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 4 | DSI 17 | 41490 | 2680 | 20.69 | 21.80 | 1.291 | 62.9 | 1.006 | -0.03 | 0.595 | 0.773 |
| | LTE Band 41_PC2 | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 4 | DSI 17 | 41490 | 2680 | 22.66 | 23.40 | 1.186 | 42.9 | 1.009 | 0.09 | 0.595 | 0.712 |



FCC SAR TEST REPORT

Report No. : FA2O2001

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|----|------------------|-----|------|-----|----|--------|-------------|------|-------|--------|-------------|---------------|-------|-------|-------|------|-------|-------|-------|--------------|
| | LTE Band 41C | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 4 | DSI 17 | 40185+40383 | 2549.5+2569.3 | 20.49 | 21.80 | 1.352 | 62.9 | 1.006 | 0.09 | 0.468 | 0.637 |
| | LTE Band 41C_PC2 | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 4 | DSI 17 | 40185+40383 | 2549.5+2569.3 | 22.52 | 23.40 | 1.225 | 42.9 | 1.009 | -0.04 | 0.454 | 0.561 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Front | 10mm | Ant 4 | DSI 17 | 40620 | 2593 | 20.65 | 21.80 | 1.303 | 62.9 | 1.006 | 0.14 | 0.141 | 0.185 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Back | 10mm | Ant 4 | DSI 17 | 40620 | 2593 | 20.65 | 21.80 | 1.303 | 62.9 | 1.006 | 0.03 | 0.251 | 0.329 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Left Side | 10mm | Ant 4 | DSI 17 | 40620 | 2593 | 20.65 | 21.80 | 1.303 | 62.9 | 1.006 | 0.12 | 0.439 | 0.576 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Top Side | 10mm | Ant 4 | DSI 17 | 40620 | 2593 | 20.65 | 21.80 | 1.303 | 62.9 | 1.006 | -0.13 | 0.056 | 0.073 |
| | LTE Band 41 | 20M | QPSK | 100 | 0 | - | Left Side | 10mm | Ant 4 | DSI 17 | 40620 | 2593 | 20.59 | 21.80 | 1.321 | 62.9 | 1.006 | -0.01 | 0.437 | 0.581 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Front | 10mm | Ant 5 | DSI 17 | 40620 | 2593 | 21.53 | 22.30 | 1.194 | 62.9 | 1.006 | 0.03 | 0.211 | 0.253 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Back | 10mm | Ant 5 | DSI 17 | 40620 | 2593 | 21.53 | 22.30 | 1.194 | 62.9 | 1.006 | -0.13 | 0.304 | 0.365 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 5 | DSI 17 | 40620 | 2593 | 21.53 | 22.30 | 1.194 | 62.9 | 1.006 | -0.02 | 0.116 | 0.139 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Bottom Side | 10mm | Ant 5 | DSI 17 | 40620 | 2593 | 21.53 | 22.30 | 1.194 | 62.9 | 1.006 | 0.05 | 0.508 | 0.610 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Bottom Side | 10mm | Ant 5 | DSI 17 | 39750 | 2506 | 21.37 | 22.30 | 1.239 | 62.9 | 1.006 | -0.07 | 0.468 | 0.583 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Bottom Side | 10mm | Ant 5 | DSI 17 | 40185 | 2549.5 | 21.41 | 22.30 | 1.227 | 62.9 | 1.006 | 0.09 | 0.510 | 0.630 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Bottom Side | 10mm | Ant 5 | DSI 17 | 41055 | 2636.5 | 21.31 | 22.30 | 1.256 | 62.9 | 1.006 | -0.09 | 0.566 | 0.715 |
| 51 | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Bottom Side | 10mm | Ant 5 | DSI 17 | 41490 | 2680 | 21.49 | 22.30 | 1.205 | 62.9 | 1.006 | -0.03 | 0.655 | 0.794 |
| | LTE Band 41_PC2 | 20M | QPSK | 1 | 0 | - | Bottom Side | 10mm | Ant 5 | DSI 17 | 41490 | 2680 | 23.29 | 23.90 | 1.151 | 42.9 | 1.009 | 0.09 | 0.636 | 0.738 |
| | LTE Band 41C | 20M | QPSK | 1 | 0 | - | Bottom Side | 10mm | Ant 5 | DSI 17 | 41490+41292 | 2680+2660.2 | 21.20 | 22.30 | 1.288 | 62.9 | 1.006 | -0.07 | 0.573 | 0.743 |
| | LTE Band 41C_PC2 | 20M | QPSK | 1 | 0 | - | Bottom Side | 10mm | Ant 5 | DSI 17 | 41490+41292 | 2680+2660.2 | 22.67 | 23.90 | 1.327 | 42.9 | 1.009 | 0.1 | 0.545 | 0.730 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Front | 10mm | Ant 5 | DSI 17 | 40620 | 2593 | 21.45 | 22.30 | 1.216 | 62.9 | 1.006 | -0.1 | 0.203 | 0.248 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Back | 10mm | Ant 5 | DSI 17 | 40620 | 2593 | 21.45 | 22.30 | 1.216 | 62.9 | 1.006 | -0.13 | 0.286 | 0.350 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Left Side | 10mm | Ant 5 | DSI 17 | 40620 | 2593 | 21.45 | 22.30 | 1.216 | 62.9 | 1.006 | 0.09 | 0.109 | 0.133 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Bottom Side | 10mm | Ant 5 | DSI 17 | 40620 | 2593 | 21.45 | 22.30 | 1.216 | 62.9 | 1.006 | 0.03 | 0.487 | 0.596 |
| | LTE Band 41 | 20M | QPSK | 100 | 0 | - | Bottom Side | 10mm | Ant 5 | DSI 17 | 40620 | 2593 | 21.38 | 22.30 | 1.236 | 62.9 | 1.006 | -0.14 | 0.481 | 0.598 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Front | 10mm | Ant 6 | DSI 17 | 40620 | 2593 | 16.67 | 17.30 | 1.156 | 62.9 | 1.006 | -0.1 | 0.167 | 0.194 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Back | 10mm | Ant 6 | DSI 17 | 40620 | 2593 | 16.67 | 17.30 | 1.156 | 62.9 | 1.006 | -0.16 | 0.204 | 0.237 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Left Side | 10mm | Ant 6 | DSI 17 | 40620 | 2593 | 16.67 | 17.30 | 1.156 | 62.9 | 1.006 | 0.09 | 0.060 | 0.070 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 40620 | 2593 | 16.67 | 17.30 | 1.156 | 62.9 | 1.006 | -0.07 | 0.531 | 0.618 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 39750 | 2506 | 16.56 | 17.30 | 1.186 | 62.9 | 1.006 | -0.11 | 0.370 | 0.441 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 40185 | 2549.5 | 16.58 | 17.30 | 1.180 | 62.9 | 1.006 | 0.11 | 0.498 | 0.591 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 41055 | 2636.5 | 16.50 | 17.30 | 1.202 | 62.9 | 1.006 | -0.04 | 0.550 | 0.665 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 41490 | 2680 | 16.52 | 17.30 | 1.197 | 62.9 | 1.006 | 0.11 | 0.462 | 0.556 |
| | LTE Band 41_PC2 | 20M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 41055 | 2636.5 | 18.22 | 18.90 | 1.169 | 42.9 | 1.009 | 0.09 | 0.534 | 0.630 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Front | 10mm | Ant 6 | DSI 17 | 40620 | 2593 | 16.58 | 17.30 | 1.180 | 62.9 | 1.006 | 0.16 | 0.157 | 0.186 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Back | 10mm | Ant 6 | DSI 17 | 40620 | 2593 | 16.58 | 17.30 | 1.180 | 62.9 | 1.006 | 0.04 | 0.194 | 0.230 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Left Side | 10mm | Ant 6 | DSI 17 | 40620 | 2593 | 16.58 | 17.30 | 1.180 | 62.9 | 1.006 | 0.013 | 0.054 | 0.064 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 40620 | 2593 | 16.58 | 17.30 | 1.180 | 62.9 | 1.006 | 0.03 | 0.501 | 0.595 |
| | LTE Band 41 | 20M | QPSK | 100 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 40620 | 2593 | 16.50 | 17.30 | 1.202 | 62.9 | 1.006 | -0.11 | 0.473 | 0.572 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 10mm | Ant 4 | DSI 17 | 507000 | 2535 | 18.75 | 20.00 | 1.334 | - | - | 0.08 | 0.138 | 0.184 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 10mm | Ant 4 | DSI 17 | 507000 | 2535 | 18.75 | 20.00 | 1.334 | - | - | 0.12 | 0.243 | 0.324 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Left Side | 10mm | Ant 4 | DSI 17 | 507000 | 2535 | 18.75 | 20.00 | 1.334 | - | - | 0.09 | 0.473 | 0.631 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Top Side | 10mm | Ant 4 | DSI 17 | 507000 | 2535 | 18.75 | 20.00 | 1.334 | - | - | 0.09 | 0.088 | 0.117 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 10mm | Ant 4 | DSI 17 | 507000 | 2535 | 18.69 | 20.00 | 1.352 | - | - | 0.07 | 0.140 | 0.189 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 10mm | Ant 4 | DSI 17 | 507000 | 2535 | 18.69 | 20.00 | 1.352 | - | - | -0.03 | 0.262 | 0.354 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Left Side | 10mm | Ant 4 | DSI 17 | 507000 | 2535 | 18.69 | 20.00 | 1.352 | - | - | 0.11 | 0.486 | 0.657 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Top Side | 10mm | Ant 4 | DSI 17 | 507000 | 2535 | 18.69 | 20.00 | 1.352 | - | - | -0.14 | 0.089 | 0.120 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 10mm | Ant 5 | DSI 17 | 507000 | 2535 | 18.85 | 20.20 | 1.365 | - | - | 0.02 | 0.204 | 0.278 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 10mm | Ant 5 | DSI 17 | 507000 | 2535 | 18.85 | 20.20 | 1.365 | - | - | 0.05 | 0.276 | 0.377 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Left Side | 10mm | Ant 5 | DSI 17 | 507000 | 2535 | 18.85 | 20.20 | 1.365 | - | - | -0.08 | 0.129 | 0.176 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Bottom Side | 10mm | Ant 5 | DSI 17 | 507000 | 2535 | 18.85 | 20.20 | 1.365 | - | - | -0.12 | 0.408 | 0.557 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 10mm | Ant 5 | DSI 17 | 507000 | 2535 | 18.77 | 20.20 | 1.390 | - | - | 0.13 | 0.212 | 0.295 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 10mm | Ant 5 | DSI 17 | 507000 | 2535 | 18.77 | 20.20 | 1.390 | - | - | 0.15 | 0.284 | 0.395 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Left Side | 10mm | Ant 5 | DSI 17 | 507000 | 2535 | 18.77 | 20.20 | 1.390 | - | - | 0.07 | 0.135 | 0.188 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Bottom Side | 10mm | Ant 5 | DSI 17 | 507000 | 2535 | 18.77 | 20.20 | 1.390 | - | - | 0.08 | 0.461 | 0.641 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 10mm | Ant 6 | DSI 17 | 507000 | 2535 | 15.42 | 16.70 | 1.343 | - | - | -0.15 | 0.201 | 0.270 |



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|----|------------------|------|------|-----|----|--------|-------------|------|-------|--------|--------|---------|-------|-------|-------|---|---|-------|-------|--------------|
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 10mm | Ant 6 | DSI 17 | 507000 | 2535 | 15.42 | 16.70 | 1.343 | - | - | 0.04 | 0.236 | 0.317 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Left Side | 10mm | Ant 6 | DSI 17 | 507000 | 2535 | 15.42 | 16.70 | 1.343 | - | - | -0.14 | 0.063 | 0.085 |
| 52 | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Top Side | 10mm | Ant 6 | DSI 17 | 507000 | 2535 | 15.42 | 16.70 | 1.343 | - | - | -0.14 | 0.564 | 0.757 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 10mm | Ant 6 | DSI 17 | 507000 | 2535 | 15.35 | 16.70 | 1.365 | - | - | 0.07 | 0.183 | 0.250 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 10mm | Ant 6 | DSI 17 | 507000 | 2535 | 15.35 | 16.70 | 1.365 | - | - | 0.11 | 0.213 | 0.291 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Left Side | 10mm | Ant 6 | DSI 17 | 507000 | 2535 | 15.35 | 16.70 | 1.365 | - | - | -0.07 | 0.052 | 0.071 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Top Side | 10mm | Ant 6 | DSI 17 | 507000 | 2535 | 15.35 | 16.70 | 1.365 | - | - | 0.15 | 0.517 | 0.705 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 10mm | Ant 7 | DSI 17 | 507000 | 2535 | 20.62 | 21.50 | 1.225 | - | - | 0.07 | 0.263 | 0.322 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 10mm | Ant 7 | DSI 17 | 507000 | 2535 | 20.62 | 21.50 | 1.225 | - | - | 0.14 | 0.249 | 0.305 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Right Side | 10mm | Ant 7 | DSI 17 | 507000 | 2535 | 20.62 | 21.50 | 1.225 | - | - | 0.16 | 0.571 | 0.699 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Top Side | 10mm | Ant 7 | DSI 17 | 507000 | 2535 | 20.62 | 21.50 | 1.225 | - | - | 0.02 | 0.061 | 0.075 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 10mm | Ant 7 | DSI 17 | 507000 | 2535 | 20.56 | 21.50 | 1.242 | - | - | 0.07 | 0.241 | 0.299 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 10mm | Ant 7 | DSI 17 | 507000 | 2535 | 20.56 | 21.50 | 1.242 | - | - | 0.16 | 0.280 | 0.348 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Right Side | 10mm | Ant 7 | DSI 17 | 507000 | 2535 | 20.56 | 21.50 | 1.242 | - | - | -0.15 | 0.531 | 0.659 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Top Side | 10mm | Ant 7 | DSI 17 | 507000 | 2535 | 20.56 | 21.50 | 1.242 | - | - | -0.12 | 0.057 | 0.071 |
| | n38 | 30M | QPSK | 1 | 1 | DFT-30 | Front | 10mm | Ant 7 | DSI 17 | 519000 | 2595 | 21.85 | 23.00 | 1.303 | - | - | -0.1 | 0.224 | 0.292 |
| | n38 | 30M | QPSK | 1 | 1 | DFT-30 | Back | 10mm | Ant 7 | DSI 17 | 519000 | 2595 | 21.85 | 23.00 | 1.303 | - | - | 0.11 | 0.270 | 0.352 |
| 53 | n38 | 30M | QPSK | 1 | 1 | DFT-30 | Right Side | 10mm | Ant 7 | DSI 17 | 519000 | 2595 | 21.85 | 23.00 | 1.303 | - | - | -0.05 | 0.577 | 0.752 |
| | n38 | 30M | QPSK | 1 | 1 | DFT-30 | Top Side | 10mm | Ant 7 | DSI 17 | 519000 | 2595 | 21.85 | 23.00 | 1.303 | - | - | 0.16 | 0.072 | 0.094 |
| | n38 | 30M | QPSK | 36 | 22 | DFT-30 | Front | 10mm | Ant 7 | DSI 17 | 519000 | 2595 | 21.75 | 23.00 | 1.334 | - | - | 0.02 | 0.207 | 0.276 |
| | n38 | 30M | QPSK | 36 | 22 | DFT-30 | Back | 10mm | Ant 7 | DSI 17 | 519000 | 2595 | 21.75 | 23.00 | 1.334 | - | - | -0.01 | 0.251 | 0.335 |
| | n38 | 30M | QPSK | 36 | 22 | DFT-30 | Right Side | 10mm | Ant 7 | DSI 17 | 519000 | 2595 | 21.75 | 23.00 | 1.334 | - | - | -0.04 | 0.523 | 0.697 |
| | n38 | 30M | QPSK | 36 | 22 | DFT-30 | Top Side | 10mm | Ant 7 | DSI 17 | 519000 | 2595 | 21.75 | 23.00 | 1.334 | - | - | -0.13 | 0.064 | 0.085 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 10mm | Ant 4 | DSI 17 | 518598 | 2592.99 | 19.88 | 20.20 | 1.076 | - | - | 0.08 | 0.166 | 0.179 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 10mm | Ant 4 | DSI 17 | 518598 | 2592.99 | 19.88 | 20.20 | 1.076 | - | - | -0.16 | 0.312 | 0.336 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Side | 10mm | Ant 4 | DSI 17 | 518598 | 2592.99 | 19.88 | 20.20 | 1.076 | - | - | 0.15 | 0.621 | 0.668 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Top Side | 10mm | Ant 4 | DSI 17 | 518598 | 2592.99 | 19.88 | 20.20 | 1.076 | - | - | 0.14 | 0.089 | 0.096 |
| | n41_PC2(UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Left Side | 10mm | Ant 4 | DSI 17 | 518598 | 2592.99 | 19.49 | 20.20 | 1.178 | - | - | -0.09 | 0.542 | 0.638 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 10mm | Ant 4 | DSI 17 | 518598 | 2592.99 | 19.75 | 20.20 | 1.109 | - | - | -0.16 | 0.159 | 0.176 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 10mm | Ant 4 | DSI 17 | 518598 | 2592.99 | 19.75 | 20.20 | 1.109 | - | - | -0.01 | 0.303 | 0.336 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Side | 10mm | Ant 4 | DSI 17 | 518598 | 2592.99 | 19.75 | 20.20 | 1.109 | - | - | 0.04 | 0.578 | 0.641 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Top Side | 10mm | Ant 4 | DSI 17 | 518598 | 2592.99 | 19.75 | 20.20 | 1.109 | - | - | 0.1 | 0.081 | 0.090 |
| | n41_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Left Side | 10mm | Ant 4 | DSI 17 | 518598 | 2592.99 | 19.65 | 20.20 | 1.135 | - | - | -0.15 | 0.569 | 0.646 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 10mm | Ant 5 | DSI 17 | 518598 | 2592.99 | 19.62 | 20.20 | 1.143 | - | - | 0.04 | 0.240 | 0.274 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 10mm | Ant 5 | DSI 17 | 518598 | 2592.99 | 19.62 | 20.20 | 1.143 | - | - | 0.16 | 0.376 | 0.430 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Side | 10mm | Ant 5 | DSI 17 | 518598 | 2592.99 | 19.62 | 20.20 | 1.143 | - | - | -0.14 | 0.163 | 0.186 |
| 54 | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Bottom Side | 10mm | Ant 5 | DSI 17 | 518598 | 2592.99 | 19.62 | 20.20 | 1.143 | - | - | 0.08 | 0.660 | 0.754 |
| | n41_PC2(UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Bottom Side | 10mm | Ant 5 | DSI 17 | 518598 | 2592.99 | 19.60 | 20.20 | 1.148 | - | - | 0.06 | 0.592 | 0.680 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 10mm | Ant 5 | DSI 17 | 518598 | 2592.99 | 19.58 | 20.20 | 1.153 | - | - | 0.1 | 0.231 | 0.266 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 10mm | Ant 5 | DSI 17 | 518598 | 2592.99 | 19.58 | 20.20 | 1.153 | - | - | 0.1 | 0.367 | 0.423 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Side | 10mm | Ant 5 | DSI 17 | 518598 | 2592.99 | 19.58 | 20.20 | 1.153 | - | - | -0.01 | 0.156 | 0.180 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Bottom Side | 10mm | Ant 5 | DSI 17 | 518598 | 2592.99 | 19.58 | 20.20 | 1.153 | - | - | -0.12 | 0.606 | 0.699 |
| | n41_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Bottom Side | 10mm | Ant 5 | DSI 17 | 518598 | 2592.99 | 19.45 | 20.20 | 1.189 | - | - | -0.05 | 0.612 | 0.727 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 10mm | Ant 6 | DSI 17 | 518598 | 2592.99 | 15.28 | 16.20 | 1.236 | - | - | -0.15 | 0.202 | 0.250 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 10mm | Ant 6 | DSI 17 | 518598 | 2592.99 | 15.28 | 16.20 | 1.236 | - | - | 0.03 | 0.246 | 0.304 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Side | 10mm | Ant 6 | DSI 17 | 518598 | 2592.99 | 15.28 | 16.20 | 1.236 | - | - | 0.07 | 0.048 | 0.059 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Top Side | 10mm | Ant 6 | DSI 17 | 518598 | 2592.99 | 15.28 | 16.20 | 1.236 | - | - | -0.07 | 0.598 | 0.739 |
| | n41_PC2(UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Top Side | 10mm | Ant 6 | DSI 17 | 518598 | 2592.99 | 15.19 | 16.20 | 1.262 | - | - | 0.05 | 0.537 | 0.678 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 10mm | Ant 6 | DSI 17 | 518598 | 2592.99 | 15.23 | 16.20 | 1.250 | - | - | 0.14 | 0.196 | 0.245 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 10mm | Ant 6 | DSI 17 | 518598 | 2592.99 | 15.23 | 16.20 | 1.250 | - | - | -0.07 | 0.238 | 0.298 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Side | 10mm | Ant 6 | DSI 17 | 518598 | 2592.99 | 15.23 | 16.20 | 1.250 | - | - | -0.15 | 0.043 | 0.054 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Top Side | 10mm | Ant 6 | DSI 17 | 518598 | 2592.99 | 15.23 | 16.20 | 1.250 | - | - | 0.04 | 0.556 | 0.695 |
| | n41_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Top Side | 10mm | Ant 6 | DSI 17 | 518598 | 2592.99 | 15.19 | 16.20 | 1.262 | - | - | 0.05 | 0.551 | 0.695 |



| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Mode | Test Position | Gap (mm) | 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) |
|---------------------|--------------|----------|------------|---------|-----------|------|---------------|----------|---------|-------------|-----------------|-----------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
| 3450-3700MHz | | | | | | | | | | | | | | | | | | | | |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Front | 10mm | Ant 6 | DSI 17 | 55340 | 3560 | 19.03 | 20.30 | 1.340 | 62.9 | 1.006 | 0.12 | 0.226 | 0.305 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Back | 10mm | Ant 6 | DSI 17 | 55340 | 3560 | 19.03 | 20.30 | 1.340 | 62.9 | 1.006 | -0.13 | 0.261 | 0.352 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Left Side | 10mm | Ant 6 | DSI 17 | 55340 | 3560 | 19.03 | 20.30 | 1.340 | 62.9 | 1.006 | -0.05 | 0.061 | 0.082 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Top Side | 10mm | Ant 6 | DSI 17 | 55340 | 3560 | 19.03 | 20.30 | 1.340 | 62.9 | 1.006 | -0.04 | 0.456 | 0.615 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Top Side | 10mm | Ant 6 | DSI 17 | 55830 | 3609 | 18.87 | 20.30 | 1.390 | 62.9 | 1.006 | 0.03 | 0.470 | 0.657 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Top Side | 10mm | Ant 6 | DSI 17 | 56150 | 3641 | 18.84 | 20.30 | 1.400 | 62.9 | 1.006 | 0.15 | 0.456 | 0.642 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Top Side | 10mm | Ant 6 | DSI 17 | 56640 | 3690 | 18.85 | 20.30 | 1.396 | 62.9 | 1.006 | 0.09 | 0.501 | 0.704 |
| | LTE Band 48C | 20M | QPSK | 1 | 49 | - | Top Side | 10mm | Ant 6 | DSI 17 | 55830+ 56028 | 3609+ 3628.8 | 18.72 | 20.30 | 1.439 | 62.9 | 1.006 | 0.13 | 0.453 | 0.656 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Front | 10mm | Ant 6 | DSI 17 | 55340 | 3560 | 19.00 | 20.30 | 1.349 | 62.9 | 1.006 | 0.11 | 0.215 | 0.292 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Back | 10mm | Ant 6 | DSI 17 | 55340 | 3560 | 19.00 | 20.30 | 1.349 | 62.9 | 1.006 | -0.16 | 0.254 | 0.345 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Left Side | 10mm | Ant 6 | DSI 17 | 55340 | 3560 | 19.00 | 20.30 | 1.349 | 62.9 | 1.006 | -0.16 | 0.058 | 0.079 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 55340 | 3560 | 19.00 | 20.30 | 1.349 | 62.9 | 1.006 | 0.03 | 0.445 | 0.604 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 55830 | 3609 | 18.77 | 20.30 | 1.422 | 62.9 | 1.006 | 0.02 | 0.452 | 0.647 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 56150 | 3641 | 18.81 | 20.30 | 1.409 | 62.9 | 1.006 | 0.11 | 0.443 | 0.628 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 56640 | 3690 | 18.83 | 20.30 | 1.403 | 62.9 | 1.006 | 0.1 | 0.486 | 0.686 |
| | LTE Band 48 | 20M | QPSK | 100 | 0 | - | Top Side | 10mm | Ant 6 | DSI 17 | 55340 | 3560 | 18.95 | 20.30 | 1.365 | 62.9 | 1.006 | -0.03 | 0.445 | 0.611 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Front | 10mm | Ant 7 | DSI 17 | 55340 | 3560 | 20.11 | 21.30 | 1.315 | 62.9 | 1.006 | -0.03 | 0.119 | 0.157 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Back | 10mm | Ant 7 | DSI 17 | 55340 | 3560 | 20.11 | 21.30 | 1.315 | 62.9 | 1.006 | -0.12 | 0.393 | 0.520 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Right Side | 10mm | Ant 7 | DSI 17 | 55340 | 3560 | 20.11 | 21.30 | 1.315 | 62.9 | 1.006 | -0.15 | 0.463 | 0.613 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 7 | DSI 17 | 55340 | 3560 | 20.11 | 21.30 | 1.315 | 62.9 | 1.006 | 0 | 0.059 | 0.078 |
| 55 | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Right Side | 10mm | Ant 7 | DSI 17 | 55830 | 3609 | 19.99 | 21.30 | 1.352 | 62.9 | 1.006 | -0.06 | 0.522 | 0.710 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Right Side | 10mm | Ant 7 | DSI 17 | 56150 | 3641 | 20.10 | 21.30 | 1.318 | 62.9 | 1.006 | 0.13 | 0.508 | 0.674 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Right Side | 10mm | Ant 7 | DSI 17 | 56640 | 3690 | 20.04 | 21.30 | 1.337 | 62.9 | 1.006 | 0.09 | 0.511 | 0.687 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Front | 10mm | Ant 7 | DSI 17 | 55340 | 3560 | 20.09 | 21.30 | 1.321 | 62.9 | 1.006 | 0.12 | 0.113 | 0.150 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Back | 10mm | Ant 7 | DSI 17 | 55340 | 3560 | 20.09 | 21.30 | 1.321 | 62.9 | 1.006 | 0.01 | 0.362 | 0.481 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Side | 10mm | Ant 7 | DSI 17 | 55340 | 3560 | 20.09 | 21.30 | 1.321 | 62.9 | 1.006 | -0.15 | 0.456 | 0.606 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Top Side | 10mm | Ant 7 | DSI 17 | 55340 | 3560 | 20.09 | 21.30 | 1.321 | 62.9 | 1.006 | -0.13 | 0.054 | 0.072 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Side | 10mm | Ant 7 | DSI 17 | 55830 | 3609 | 19.98 | 21.30 | 1.355 | 62.9 | 1.006 | -0.07 | 0.502 | 0.684 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Side | 10mm | Ant 7 | DSI 17 | 56150 | 3641 | 20.06 | 21.30 | 1.330 | 62.9 | 1.006 | -0.03 | 0.490 | 0.656 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Side | 10mm | Ant 7 | DSI 17 | 56640 | 3690 | 19.96 | 21.30 | 1.361 | 62.9 | 1.006 | 0.06 | 0.461 | 0.631 |
| | LTE Band 48 | 20M | QPSK | 100 | 0 | - | Right Side | 10mm | Ant 7 | DSI 17 | 55340 | 3560 | 19.96 | 21.30 | 1.361 | 62.9 | 1.006 | 0.06 | 0.457 | 0.626 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Front | 10mm | Ant 10 | DSI 17 | 55340 | 3560 | 19.19 | 20.30 | 1.291 | 62.9 | 1.006 | 0.13 | 0.489 | 0.635 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Back | 10mm | Ant 10 | DSI 17 | 55340 | 3560 | 19.19 | 20.30 | 1.291 | 62.9 | 1.006 | 0.13 | 0.370 | 0.481 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Right Side | 10mm | Ant 10 | DSI 17 | 55340 | 3560 | 19.19 | 20.30 | 1.291 | 62.9 | 1.006 | -0.07 | 0.103 | 0.134 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Top Side | 10mm | Ant 10 | DSI 17 | 55340 | 3560 | 19.19 | 20.30 | 1.291 | 62.9 | 1.006 | 0.1 | 0.380 | 0.494 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Front | 10mm | Ant 10 | DSI 17 | 55830 | 3609 | 19.05 | 20.30 | 1.334 | 62.9 | 1.006 | -0.08 | 0.514 | 0.690 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Front | 10mm | Ant 10 | DSI 17 | 56150 | 3641 | 19.04 | 20.30 | 1.337 | 62.9 | 1.006 | 0.13 | 0.505 | 0.679 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Front | 10mm | Ant 10 | DSI 17 | 56640 | 3690 | 19.06 | 20.30 | 1.330 | 62.9 | 1.006 | -0.09 | 0.528 | 0.707 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Front | 10mm | Ant 10 | DSI 17 | 55340 | 3560 | 19.12 | 20.30 | 1.312 | 62.9 | 1.006 | -0.12 | 0.433 | 0.572 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Back | 10mm | Ant 10 | DSI 17 | 55340 | 3560 | 19.12 | 20.30 | 1.312 | 62.9 | 1.006 | -0.03 | 0.305 | 0.403 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Side | 10mm | Ant 10 | DSI 17 | 55340 | 3560 | 19.12 | 20.30 | 1.312 | 62.9 | 1.006 | -0.06 | 0.084 | 0.111 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Top Side | 10mm | Ant 10 | DSI 17 | 55340 | 3560 | 19.12 | 20.30 | 1.312 | 62.9 | 1.006 | -0.03 | 0.315 | 0.416 |
| | LTE Band 48 | 20M | QPSK | 100 | 0 | - | Front | 10mm | Ant 10 | DSI 17 | 55340 | 3560 | 19.06 | 20.30 | 1.330 | 62.9 | 1.006 | -0.12 | 0.425 | 0.569 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Front | 10mm | Ant 13 | DSI 17 | 55340 | 3560 | 21.71 | 22.80 | 1.285 | 62.9 | 1.006 | -0.12 | 0.212 | 0.274 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Back | 10mm | Ant 13 | DSI 17 | 55340 | 3560 | 21.71 | 22.80 | 1.285 | 62.9 | 1.006 | 0.05 | 0.505 | 0.653 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Left Side | 10mm | Ant 13 | DSI 17 | 55340 | 3560 | 21.71 | 22.80 | 1.285 | 62.9 | 1.006 | 0.03 | 0.282 | 0.365 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Top Side | 10mm | Ant 13 | DSI 17 | 55340 | 3560 | 21.71 | 22.80 | 1.285 | 62.9 | 1.006 | 0.11 | 0.114 | 0.147 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Back | 10mm | Ant 13 | DSI 17 | 55830 | 3609 | 21.58 | 22.80 | 1.324 | 62.9 | 1.006 | -0.15 | 0.402 | 0.536 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Back | 10mm | Ant 13 | DSI 17 | 56150 | 3641 | 21.69 | 22.80 | 1.291 | 62.9 | 1.006 | -0.12 | 0.379 | 0.492 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Back | 10mm | Ant 13 | DSI 17 | 56640 | 3690 | 21.57 | 22.80 | 1.327 | 62.9 | 1.006 | -0.05 | 0.362 | 0.483 |
| | LTE Band 48C | 20M | QPSK | 1 | 49 | - | Back | 10mm | Ant 13 | DSI 17 | 55830+ | 3609+ | 21.59 | 22.80 | 1.321 | 62.9 | 1.006 | 0.03 | 0.433 | 0.576 |



FCC SAR TEST REPORT

Report No. : FA2O2001

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Mode | Test Position | Gap (mm) | Antenna | 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) |
|-----------------------|----------------------------|----------|------------|---------|-----------|--------|---------------|----------|---------|-------------|--------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
| 3450 -3980 MHz | | | | | | | | | | | | | | | | | | |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 10mm | Ant 6 | DSI 17 | 656000 | 3840 | 17.81 | 19.20 | 1.377 | 0.04 | 0.218 | 0.300 |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 10mm | Ant 6 | DSI 17 | 656000 | 3840 | 17.81 | 19.20 | 1.377 | 0.02 | 0.342 | 0.471 |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Side | 10mm | Ant 6 | DSI 17 | 656000 | 3840 | 17.81 | 19.20 | 1.377 | -0.02 | 0.090 | 0.124 |
| 57 | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Top Side | 10mm | Ant 6 | DSI 17 | 656000 | 3840 | 17.81 | 19.20 | 1.377 | -0.01 | 0.574 | 0.791 |
| | Part 270 n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Top Side | 10mm | Ant 6 | DSI 17 | 656000 | 3840 | 17.79 | 19.20 | 1.384 | 0.09 | 0.553 | 0.765 |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 10mm | Ant 6 | DSI 17 | 656000 | 3840 | 17.76 | 19.20 | 1.393 | 0.09 | 0.187 | 0.261 |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 10mm | Ant 6 | DSI 17 | 656000 | 3840 | 17.76 | 19.20 | 1.393 | -0.03 | 0.293 | 0.408 |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Side | 10mm | Ant 6 | DSI 17 | 656000 | 3840 | 17.76 | 19.20 | 1.393 | 0.02 | 0.088 | 0.123 |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Top Side | 10mm | Ant 6 | DSI 17 | 656000 | 3840 | 17.76 | 19.20 | 1.393 | -0.14 | 0.506 | 0.705 |
| | Part 270 n77_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Back | 10mm | Ant 6 | DSI 17 | 656000 | 3840 | 17.75 | 19.20 | 1.396 | 0.05 | 0.319 | 0.445 |
| | Part 270 n77_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Top Side | 10mm | Ant 6 | DSI 17 | 656000 | 3840 | 17.75 | 19.20 | 1.396 | 0.05 | 0.471 | 0.658 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 10mm | Ant 6 | DSI 17 | 633332 | 3499.98 | 18.00 | 19.20 | 1.318 | -0.13 | 0.216 | 0.285 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 10mm | Ant 6 | DSI 17 | 633332 | 3499.98 | 18.00 | 19.20 | 1.318 | 0.07 | 0.276 | 0.364 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Side | 10mm | Ant 6 | DSI 17 | 633332 | 3499.98 | 18.00 | 19.20 | 1.318 | -0.12 | 0.043 | 0.057 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Top Side | 10mm | Ant 6 | DSI 17 | 633332 | 3499.98 | 18.00 | 19.20 | 1.318 | 0.04 | 0.373 | 0.492 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 10mm | Ant 6 | DSI 17 | 633332 | 3499.98 | 17.92 | 19.20 | 1.343 | 0.04 | 0.228 | 0.306 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 10mm | Ant 6 | DSI 17 | 633332 | 3499.98 | 17.92 | 19.20 | 1.343 | 0.06 | 0.288 | 0.387 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Side | 10mm | Ant 6 | DSI 17 | 633332 | 3499.98 | 17.92 | 19.20 | 1.343 | 0.16 | 0.048 | 0.064 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Top Side | 10mm | Ant 6 | DSI 17 | 633332 | 3499.98 | 17.92 | 19.20 | 1.343 | -0.07 | 0.389 | 0.522 |
| | Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 137 | 68 | CP-30 | Top Side | 10mm | Ant 6 | DSI 17 | 633332 | 3499.98 | 17.90 | 19.20 | 1.349 | 0.03 | 0.351 | 0.473 |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 10mm | Ant 7 | DSI 17 | 656000 | 3840 | 17.82 | 19.20 | 1.374 | 0.06 | 0.097 | 0.133 |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 10mm | Ant 7 | DSI 17 | 656000 | 3840 | 17.82 | 19.20 | 1.374 | -0.03 | 0.143 | 0.196 |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Side | 10mm | Ant 7 | DSI 17 | 656000 | 3840 | 17.82 | 19.20 | 1.374 | -0.14 | 0.266 | 0.365 |
| | Part 270 n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Right Side | 10mm | Ant 7 | DSI 17 | 656000 | 3840 | 17.79 | 19.20 | 1.384 | 0.04 | 0.233 | 0.322 |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Top Side | 10mm | Ant 7 | DSI 17 | 656000 | 3840 | 17.82 | 19.20 | 1.374 | -0.1 | 0.031 | 0.043 |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 10mm | Ant 7 | DSI 17 | 656000 | 3840 | 17.79 | 19.20 | 1.384 | -0.12 | 0.081 | 0.112 |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 10mm | Ant 7 | DSI 17 | 656000 | 3840 | 17.79 | 19.20 | 1.384 | -0.16 | 0.123 | 0.170 |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Side | 10mm | Ant 7 | DSI 17 | 656000 | 3840 | 17.79 | 19.20 | 1.384 | 0.11 | 0.222 | 0.307 |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Top Side | 10mm | Ant 7 | DSI 17 | 656000 | 3840 | 17.79 | 19.20 | 1.384 | -0.15 | 0.029 | 0.040 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 10mm | Ant 7 | DSI 17 | 633332 | 3499.98 | 18.02 | 19.20 | 1.312 | 0.09 | 0.110 | 0.144 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 10mm | Ant 7 | DSI 17 | 633332 | 3499.98 | 18.02 | 19.20 | 1.312 | -0.09 | 0.302 | 0.396 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Side | 10mm | Ant 7 | DSI 17 | 633332 | 3499.98 | 18.02 | 19.20 | 1.312 | 0.12 | 0.571 | 0.749 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Top Side | 10mm | Ant 7 | DSI 17 | 633332 | 3499.98 | 18.02 | 19.20 | 1.312 | -0.06 | 0.072 | 0.094 |
| | Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Right Side | 10mm | Ant 7 | DSI 17 | 633332 | 3499.98 | 18.01 | 19.20 | 1.315 | 0.06 | 0.493 | 0.648 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 10mm | Ant 7 | DSI 17 | 633332 | 3499.98 | 17.92 | 19.20 | 1.343 | -0.07 | 0.103 | 0.138 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 10mm | Ant 7 | DSI 17 | 633332 | 3499.98 | 17.92 | 19.20 | 1.343 | 0.09 | 0.249 | 0.334 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Side | 10mm | Ant 7 | DSI 17 | 633332 | 3499.98 | 17.92 | 19.20 | 1.343 | 0.12 | 0.526 | 0.706 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Top Side | 10mm | Ant 7 | DSI 17 | 633332 | 3499.98 | 17.92 | 19.20 | 1.343 | -0.12 | 0.067 | 0.090 |
| | Part 27Q n77_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Right Side | 10mm | Ant 7 | DSI 17 | 633332 | 3499.98 | 17.91 | 19.20 | 1.346 | 0.12 | 0.531 | 0.715 |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 10mm | Ant 10 | DSI 17 | 656000 | 3840 | 18.81 | 20.20 | 1.377 | 0.11 | 0.425 | 0.585 |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 10mm | Ant 10 | DSI 17 | 656000 | 3840 | 18.81 | 20.20 | 1.377 | -0.02 | 0.190 | 0.262 |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Side | 10mm | Ant 10 | DSI 17 | 656000 | 3840 | 18.81 | 20.20 | 1.377 | 0.13 | 0.055 | 0.076 |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Top Side | 10mm | Ant 10 | DSI 17 | 656000 | 3840 | 18.81 | 20.20 | 1.377 | -0.02 | 0.143 | 0.197 |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 10mm | Ant 10 | DSI 17 | 656000 | 3840 | 18.66 | 20.20 | 1.426 | 0.09 | 0.461 | 0.657 |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 10mm | Ant 10 | DSI 17 | 656000 | 3840 | 18.66 | 20.20 | 1.426 | -0.15 | 0.161 | 0.230 |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Side | 10mm | Ant 10 | DSI 17 | 656000 | 3840 | 18.66 | 20.20 | 1.426 | -0.11 | 0.053 | 0.076 |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Top Side | 10mm | Ant 10 | DSI 17 | 656000 | 3840 | 18.66 | 20.20 | 1.426 | -0.04 | 0.134 | 0.191 |
| | Part 270 n77_PC2 (UL MIMO) | 100M | QPSK | 137 | 68 | CP-30 | Front | 10mm | Ant 10 | DSI 17 | 656000 | 3840 | 18.53 | 20.20 | 1.469 | -0.09 | 0.373 | 0.548 |
| | Part 270 n77_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Front | 10mm | Ant 10 | DSI 17 | 656000 | 3840 | 18.63 | 20.20 | 1.435 | 0.03 | 0.431 | 0.619 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 10mm | Ant 10 | DSI 17 | 633332 | 3499.98 | 19.01 | 20.20 | 1.315 | -0.06 | 0.373 | 0.491 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 10mm | Ant 10 | DSI 17 | 633332 | 3499.98 | 19.01 | 20.20 | 1.315 | 0.13 | 0.317 | 0.417 |



FCC SAR TEST REPORT

Report No. : FA2O2001

| | | | | | | | | | | | | | | | | | |
|-------------------------------|------|------|-----|----|--------|------------|------|--------|--------|--------|---------|-------|-------|-------|-------|-------|-------|
| Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Side | 10mm | Ant 10 | DSI 17 | 633332 | 3499.98 | 19.01 | 20.20 | 1.315 | -0.06 | 0.052 | 0.068 |
| Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Top Side | 10mm | Ant 10 | DSI 17 | 633332 | 3499.98 | 19.01 | 20.20 | 1.315 | -0.1 | 0.300 | 0.395 |
| Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Front | 10mm | Ant 10 | DSI 17 | 633332 | 3499.98 | 19.00 | 20.20 | 1.318 | 0.07 | 0.345 | 0.455 |
| Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 10mm | Ant 10 | DSI 17 | 633332 | 3499.98 | 18.92 | 20.20 | 1.343 | -0.1 | 0.347 | 0.466 |
| Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 10mm | Ant 10 | DSI 17 | 633332 | 3499.98 | 18.92 | 20.20 | 1.343 | -0.1 | 0.288 | 0.387 |
| Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Side | 10mm | Ant 10 | DSI 17 | 633332 | 3499.98 | 18.92 | 20.20 | 1.343 | -0.06 | 0.049 | 0.066 |
| Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Top Side | 10mm | Ant 10 | DSI 17 | 633332 | 3499.98 | 18.92 | 20.20 | 1.343 | -0.05 | 0.261 | 0.350 |
| Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 10mm | Ant 13 | DSI 17 | 656000 | 3840 | 18.81 | 20.20 | 1.377 | -0.01 | 0.052 | 0.072 |
| Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 10mm | Ant 13 | DSI 17 | 656000 | 3840 | 18.81 | 20.20 | 1.377 | 0.01 | 0.146 | 0.201 |
| Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Back | 10mm | Ant 13 | DSI 17 | 656000 | 3840 | 18.72 | 20.20 | 1.406 | 0.01 | 0.139 | 0.195 |
| Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Side | 10mm | Ant 13 | DSI 17 | 656000 | 3840 | 18.81 | 20.20 | 1.377 | 0.15 | 0.106 | 0.146 |
| Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Top Side | 10mm | Ant 13 | DSI 17 | 656000 | 3840 | 18.81 | 20.20 | 1.377 | 0.08 | 0.021 | 0.029 |
| Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 10mm | Ant 13 | DSI 17 | 656000 | 3840 | 18.70 | 20.20 | 1.413 | -0.09 | 0.048 | 0.068 |
| Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 10mm | Ant 13 | DSI 17 | 656000 | 3840 | 18.70 | 20.20 | 1.413 | 0.09 | 0.124 | 0.175 |
| Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Side | 10mm | Ant 13 | DSI 17 | 656000 | 3840 | 18.70 | 20.20 | 1.413 | 0.1 | 0.098 | 0.138 |
| Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Top Side | 10mm | Ant 13 | DSI 17 | 656000 | 3840 | 18.70 | 20.20 | 1.413 | 0.06 | 0.018 | 0.025 |
| Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 10mm | Ant 13 | DSI 17 | 633332 | 3499.98 | 19.42 | 20.20 | 1.197 | -0.16 | 0.154 | 0.184 |
| Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 10mm | Ant 13 | DSI 17 | 633332 | 3499.98 | 19.42 | 20.20 | 1.197 | 0.1 | 0.421 | 0.504 |
| Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Back | 10mm | Ant 13 | DSI 17 | 633332 | 3499.98 | 19.36 | 20.20 | 1.213 | 0.05 | 0.400 | 0.485 |
| Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Side | 10mm | Ant 13 | DSI 17 | 633332 | 3499.98 | 19.42 | 20.20 | 1.197 | -0.09 | 0.240 | 0.287 |
| Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Top Side | 10mm | Ant 13 | DSI 17 | 633332 | 3499.98 | 19.42 | 20.20 | 1.197 | 0.01 | 0.087 | 0.104 |
| Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 10mm | Ant 13 | DSI 17 | 633332 | 3499.98 | 19.36 | 20.20 | 1.213 | 0.11 | 0.141 | 0.171 |
| Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 10mm | Ant 13 | DSI 17 | 633332 | 3499.98 | 19.36 | 20.20 | 1.213 | 0.1 | 0.371 | 0.450 |
| Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Side | 10mm | Ant 13 | DSI 17 | 633332 | 3499.98 | 19.36 | 20.20 | 1.213 | 0.15 | 0.231 | 0.280 |
| Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Top Side | 10mm | Ant 13 | DSI 17 | 633332 | 3499.98 | 19.36 | 20.20 | 1.213 | -0.06 | 0.081 | 0.098 |



| Plot No. | Band | Mode | Test Position | Gap (mm) | 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) |
|-----------------------------|------------|---------------------|---------------|----------|-----------|-------------------------------------|-----|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
| Wifi & Bluetooth | | | | | | | | | | | | | | | | |
| | WLAN2.4GHz | 802.11b 1Mbps | Front | 10mm | Ant 12+7 | Full | 6 | 2437 | 22.41 | 23.50 | 1.285 | 99.05 | 1.010 | -0.04 | 0.313 | 0.406 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 10mm | Ant 12+7 | Full | 6 | 2437 | 22.41 | 23.50 | 1.285 | 99.05 | 1.010 | -0.07 | 0.383 | 0.497 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Side | 10mm | Ant 12+7 | Full | 6 | 2437 | 22.41 | 23.50 | 1.285 | 99.05 | 1.010 | 0.09 | 0.672 | 0.872 |
| | WLAN2.4GHz | 802.11b 1Mbps | Top Side | 10mm | Ant 12+7 | Full | 6 | 2437 | 22.41 | 23.50 | 1.285 | 99.05 | 1.010 | -0.01 | 0.464 | 0.602 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Side | 10mm | Ant 12+7 | Full | 1 | 2412 | 22.22 | 23.50 | 1.343 | 99.05 | 1.010 | -0.04 | 0.729 | 0.989 |
| 58 | WLAN2.4GHz | 802.11b 1Mbps | Right Side | 10mm | Ant 12+7 | Full | 11 | 2462 | 22.20 | 23.50 | 1.349 | 99.05 | 1.010 | -0.03 | 0.805 | 1.097 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Side | 10mm | Ant 12+7 | 2.4G+BT/2.4G+5G/WWAN+2.4G | 11 | 2462 | 19.23 | 20.50 | 1.341 | 99.05 | 1.010 | 0.06 | 0.551 | 0.746 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Side | 10mm | Ant 12+7 | WWAN+2.4G+5G | 11 | 2462 | 16.41 | 17.50 | 1.286 | 99.05 | 1.010 | 0.05 | 0.278 | 0.361 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Side | 10mm | Ant 12+7 | WWAN+2.4G+5G+BT | 11 | 2462 | 15.46 | 16.50 | 1.271 | 99.05 | 1.010 | 0.07 | 0.221 | 0.284 |
| | Bluetooth | DH5 1Mbps | Front | 10mm | Ant 12 | Full | 78 | 2480 | 17.33 | 19.00 | 1.469 | 77.07 | 1.298 | -0.07 | 0.129 | 0.246 |
| | Bluetooth | DH5 1Mbps | Back | 10mm | Ant 12 | Full | 78 | 2480 | 17.33 | 19.00 | 1.469 | 77.07 | 1.298 | 0.19 | 0.172 | 0.328 |
| | Bluetooth | DH5 1Mbps | Right Side | 10mm | Ant 12 | Full | 78 | 2480 | 17.33 | 19.00 | 1.469 | 77.07 | 1.298 | -0.12 | 0.084 | 0.160 |
| 59 | Bluetooth | DH5 1Mbps | Top Side | 10mm | Ant 12 | Full | 78 | 2480 | 17.33 | 19.00 | 1.469 | 77.07 | 1.298 | -0.19 | 0.281 | 0.536 |
| | Bluetooth | DH5 1Mbps | Top Side | 10mm | Ant 12 | Full | 0 | 2402 | 17.26 | 19.00 | 1.493 | 77.07 | 1.298 | -0.08 | 0.250 | 0.484 |
| | Bluetooth | DH5 1Mbps | Top Side | 10mm | Ant 12 | Full | 39 | 2441 | 17.17 | 19.00 | 1.524 | 77.07 | 1.298 | 0.15 | 0.245 | 0.485 |
| | Bluetooth | DH5 1Mbps | Top Side | 10mm | Ant 12 | BT+2.4G/5G/WWAN+BT | 78 | 2480 | 12.80 | 14.00 | 1.318 | 77.07 | 1.298 | -0.19 | 0.106 | 0.181 |
| | Bluetooth | DH5 1Mbps | Top Side | 10mm | Ant 12 | BT+2.4G+5G/WWAN+2.4G/5G+BT | 78 | 2480 | 10.20 | 12.00 | 1.514 | 77.07 | 1.298 | -0.19 | 0.051 | 0.100 |
| | Bluetooth | DH5 1Mbps | Top Side | 10mm | Ant 12 | WWAN+2.4G+5G+BT | 78 | 2480 | 9.20 | 11.00 | 1.514 | 77.07 | 1.298 | -0.19 | 0.033 | 0.064 |
| | Bluetooth | DH5 1Mbps | Front | 10mm | Ant 7 | Full | 78 | 2480 | 17.73 | 19.00 | 1.340 | 77.07 | 1.298 | 0.19 | 0.070 | 0.122 |
| | Bluetooth | DH5 1Mbps | Back | 10mm | Ant 7 | Full | 78 | 2480 | 17.73 | 19.00 | 1.340 | 77.07 | 1.298 | 0.17 | 0.095 | 0.165 |
| | Bluetooth | DH5 1Mbps | Right Side | 10mm | Ant 7 | Full | 78 | 2480 | 17.73 | 19.00 | 1.340 | 77.07 | 1.298 | 0.05 | 0.216 | 0.376 |
| | Bluetooth | DH5 1Mbps | Top Side | 10mm | Ant 7 | Full | 78 | 2480 | 17.73 | 19.00 | 1.340 | 77.07 | 1.298 | - | 0.000 | 0.000 |
| | Bluetooth | DH5 1Mbps | Right Side | 10mm | Ant 7 | Full | 0 | 2402 | 17.72 | 19.00 | 1.343 | 77.07 | 1.298 | -0.12 | 0.128 | 0.223 |
| | Bluetooth | DH5 1Mbps | Right Side | 10mm | Ant 7 | Full | 39 | 2441 | 17.70 | 19.00 | 1.349 | 77.07 | 1.298 | 0.18 | 0.130 | 0.228 |
| | Bluetooth | DH5 1Mbps | Right Side | 10mm | Ant 7 | BT+2.4G/5G/WWAN+BT | 78 | 2480 | 12.82 | 14.00 | 1.312 | 77.07 | 1.298 | 0.05 | 0.047 | 0.080 |
| | Bluetooth | DH5 1Mbps | Right Side | 10mm | Ant 7 | BT+2.4G+5G/WWAN+2.4G/5G+BT | 78 | 2480 | 10.30 | 12.00 | 1.479 | 77.07 | 1.298 | 0.05 | 0.015 | 0.029 |
| | Bluetooth | DH5 1Mbps | Right Side | 10mm | Ant 7 | WWAN+2.4G+5G+BT | 78 | 2480 | 9.30 | 11.00 | 1.479 | 77.07 | 1.298 | 0.05 | 0.005 | 0.010 |
| | WLAN5.2GHz | 802.11ac-VHT80 MCS0 | Front | 10mm | Ant 10+13 | Full | 42 | 5210 | 20.15 | 22.00 | 1.531 | 99.63 | 1.004 | 0.05 | 0.160 | 0.246 |
| 60 | WLAN5.2GHz | 802.11ac-VHT80 MCS0 | Back | 10mm | Ant 10+13 | Full | 42 | 5210 | 20.15 | 22.00 | 1.531 | 99.63 | 1.004 | 0.07 | 0.553 | 0.850 |
| | WLAN5.2GHz | 802.11ac-VHT80 MCS0 | Left Side | 10mm | Ant 10+13 | Full | 42 | 5210 | 20.15 | 22.00 | 1.531 | 99.63 | 1.004 | 0.09 | 0.297 | 0.457 |
| | WLAN5.2GHz | 802.11ac-VHT80 MCS0 | Right Side | 10mm | Ant 10+13 | Full | 42 | 5210 | 20.15 | 22.00 | 1.531 | 99.63 | 1.004 | -0.18 | 0.107 | 0.164 |
| | WLAN5.2GHz | 802.11ac-VHT80 MCS0 | Top Side | 10mm | Ant 10+13 | Full | 42 | 5210 | 20.15 | 22.00 | 1.531 | 99.63 | 1.004 | -0.07 | 0.304 | 0.467 |
| | WLAN5.2GHz | 802.11ac-VHT80 MCS0 | Back | 10mm | Ant 10+13 | 2.4G +5G/5G+BT/WWAN +5G/BT+2.4G +5G | 42 | 5210 | 19.20 | 21.00 | 1.515 | 99.63 | 1.004 | 0.03 | 0.462 | 0.703 |
| | WLAN5.2GHz | 802.11ac-VHT80 MCS0 | Back | 10mm | Ant 10+13 | WWAN+2.4G+5G / WWAN+2.4G+5G+BT | 42 | 5210 | 16.69 | 18.50 | 1.518 | 99.63 | 1.004 | 0.15 | 0.249 | 0.380 |
| | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Front | 10mm | Ant 10+13 | Reduced | 155 | 5775 | 15.08 | 17.00 | 1.556 | 99.63 | 1.004 | -0.19 | 0.109 | 0.170 |
| 61 | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Back | 10mm | Ant 10+13 | Reduced | 155 | 5775 | 15.08 | 17.00 | 1.556 | 99.63 | 1.004 | 0.06 | 0.760 | 1.187 |
| | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Left Side | 10mm | Ant 10+13 | Reduced | 155 | 5775 | 15.08 | 17.00 | 1.556 | 99.63 | 1.004 | 0.03 | 0.228 | 0.356 |
| | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Right Side | 10mm | Ant 10+13 | Reduced | 155 | 5775 | 15.08 | 17.00 | 1.556 | 99.63 | 1.004 | - | 0.000 | 0.000 |
| | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Top Side | 10mm | Ant 10+13 | Reduced | 155 | 5775 | 15.08 | 17.00 | 1.556 | 99.63 | 1.004 | -0.11 | 0.234 | 0.366 |
| | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Back | 10mm | Ant 10+13 | 2.4G +5G/5G+BT/WWAN+5G /BT+2.4G +5G | 155 | 5775 | 13.18 | 15.00 | 1.522 | 99.63 | 1.004 | 0.03 | 0.477 | 0.729 |
| | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Back | 10mm | Ant 10+13 | WWAN+2.4G+5G / WWAN+2.4G+5G+BT | 155 | 5775 | 10.24 | 12.00 | 1.501 | 99.63 | 1.004 | 0.03 | 0.252 | 0.380 |



18.3 Body Worn Accessory SAR

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Mode | Test Position | Gap (mm) | Antenna | 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) | |
|---------------|-------------|----------|------------|---------|-----------|------------------------|---------------|----------|---------|-------------|--------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|--|
| 750MHz | | | | | | | | | | | | | | | | | | | |
| | LTE Band 71 | 20M | QPSK | 1 | 0 | - | Front | 15mm | Ant 0 | DSI 4 | 133297 | 680.5 | 23.81 | 24.30 | 1.119 | 0.09 | 0.231 | 0.259 | |
| 62 | LTE Band 71 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 0 | DSI 4 | 133297 | 680.5 | 23.81 | 24.30 | 1.119 | 0.08 | 0.262 | 0.293 | |
| | LTE Band 71 | 20M | QPSK | 50 | 0 | - | Front | 15mm | Ant 0 | DSI 4 | 133297 | 680.5 | 22.93 | 23.30 | 1.089 | -0.11 | 0.200 | 0.218 | |
| | LTE Band 71 | 20M | QPSK | 50 | 0 | - | Back | 15mm | Ant 0 | DSI 4 | 133297 | 680.5 | 22.93 | 23.30 | 1.089 | -0.05 | 0.228 | 0.248 | |
| | LTE Band 71 | 20M | QPSK | 1 | 0 | - | Front | 15mm | Ant 1 | DSI 4 | 133297 | 680.5 | 24.04 | 24.80 | 1.191 | 0.12 | 0.144 | 0.172 | |
| | LTE Band 71 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 1 | DSI 4 | 133297 | 680.5 | 24.04 | 24.80 | 1.191 | 0.13 | 0.172 | 0.205 | |
| | LTE Band 71 | 20M | QPSK | 50 | 0 | - | Front | 15mm | Ant 1 | DSI 4 | 133297 | 680.5 | 23.14 | 23.80 | 1.164 | -0.05 | 0.123 | 0.143 | |
| | LTE Band 71 | 20M | QPSK | 50 | 0 | - | Back | 15mm | Ant 1 | DSI 4 | 133297 | 680.5 | 23.14 | 23.80 | 1.164 | 0.12 | 0.144 | 0.168 | |
| | LTE Band 12 | 10M | QPSK | 1 | 0 | - | Front | 15mm | Ant 0 | DSI 4 | 23095 | 707.5 | 23.82 | 24.30 | 1.117 | -0.1 | 0.274 | 0.306 | |
| 63 | LTE Band 12 | 10M | QPSK | 1 | 0 | - | Back | 15mm | Ant 0 | DSI 4 | 23095 | 707.5 | 23.82 | 24.30 | 1.117 | 0.1 | 0.331 | 0.370 | |
| | LTE Band 12 | 10M | QPSK | 25 | 0 | - | Front | 15mm | Ant 0 | DSI 4 | 23095 | 707.5 | 22.84 | 23.30 | 1.112 | 0.07 | 0.218 | 0.242 | |
| | LTE Band 12 | 10M | QPSK | 25 | 0 | - | Back | 15mm | Ant 0 | DSI 4 | 23095 | 707.5 | 22.84 | 23.30 | 1.112 | -0.03 | 0.252 | 0.280 | |
| | LTE Band 12 | 10M | QPSK | 1 | 0 | - | Front | 15mm | Ant 1 | DSI 4 | 23095 | 707.5 | 24.00 | 24.80 | 1.202 | -0.06 | 0.163 | 0.196 | |
| | LTE Band 12 | 10M | QPSK | 1 | 0 | - | Back | 15mm | Ant 1 | DSI 4 | 23095 | 707.5 | 24.00 | 24.80 | 1.202 | 0.12 | 0.210 | 0.252 | |
| | LTE Band 12 | 10M | QPSK | 25 | 0 | - | Front | 15mm | Ant 1 | DSI 4 | 23095 | 707.5 | 23.01 | 23.80 | 1.199 | -0.1 | 0.130 | 0.156 | |
| | LTE Band 12 | 10M | QPSK | 25 | 0 | - | Back | 15mm | Ant 1 | DSI 4 | 23095 | 707.5 | 23.01 | 23.80 | 1.199 | 0.02 | 0.148 | 0.178 | |
| | LTE Band 13 | 10M | QPSK | 1 | 0 | - | Front | 15mm | Ant 0 | DSI 4 | 23230 | 782 | 23.78 | 24.30 | 1.127 | 0.16 | 0.234 | 0.264 | |
| 64 | LTE Band 13 | 10M | QPSK | 1 | 0 | - | Back | 15mm | Ant 0 | DSI 4 | 23230 | 782 | 23.78 | 24.30 | 1.127 | -0.05 | 0.301 | 0.339 | |
| | LTE Band 13 | 10M | QPSK | 25 | 0 | - | Front | 15mm | Ant 0 | DSI 4 | 23230 | 782 | 22.80 | 23.30 | 1.122 | 0.02 | 0.195 | 0.219 | |
| | LTE Band 13 | 10M | QPSK | 25 | 0 | - | Back | 15mm | Ant 0 | DSI 4 | 23230 | 782 | 22.80 | 23.30 | 1.122 | 0.13 | 0.223 | 0.250 | |
| | LTE Band 13 | 10M | QPSK | 1 | 0 | - | Front | 15mm | Ant 1 | DSI 4 | 23230 | 782 | 23.95 | 24.80 | 1.216 | -0.14 | 0.170 | 0.207 | |
| | LTE Band 13 | 10M | QPSK | 1 | 0 | - | Back | 15mm | Ant 1 | DSI 4 | 23230 | 782 | 23.95 | 24.80 | 1.216 | -0.04 | 0.236 | 0.287 | |
| | LTE Band 13 | 10M | QPSK | 25 | 0 | - | Front | 15mm | Ant 1 | DSI 4 | 23230 | 782 | 22.99 | 23.80 | 1.205 | 0.04 | 0.137 | 0.165 | |
| | LTE Band 13 | 10M | QPSK | 25 | 0 | - | Back | 15mm | Ant 1 | DSI 4 | 23230 | 782 | 22.99 | 23.80 | 1.205 | -0.11 | 0.157 | 0.189 | |
| | n71 | 20M | QPSK | 1 | 1 | DFT-15 | Front | 15mm | Ant 0 | DSI 4 | 136100 | 680.5 | 24.22 | 24.70 | 1.117 | 0.05 | 0.269 | 0.300 | |
| | n71 | 20M | QPSK | 1 | 1 | DFT-15 | Back | 15mm | Ant 0 | DSI 4 | 136100 | 680.5 | 24.22 | 24.70 | 1.117 | -0.13 | 0.522 | 0.583 | |
| | n71 | 20M | QPSK | 50 | 28 | DFT-15 | Front | 15mm | Ant 0 | DSI 4 | 136100 | 680.5 | 24.11 | 24.70 | 1.146 | -0.13 | 0.270 | 0.309 | |
| 65 | n71 | 20M | QPSK | 50 | 28 | DFT-15 | Back | 15mm | Ant 0 | DSI 4 | 136100 | 680.5 | 24.11 | 24.70 | 1.146 | 0.13 | 0.572 | 0.655 | |
| | n71 | 20M | QPSK | 1 | 1 | DFT-15 | Front | 15mm | Ant 1 | DSI 4 | 136100 | 680.5 | 24.32 | 25.20 | 1.225 | 0.14 | 0.131 | 0.160 | |
| | n71 | 20M | QPSK | 1 | 1 | DFT-15 | Back | 15mm | Ant 1 | DSI 4 | 136100 | 680.5 | 24.32 | 25.20 | 1.225 | -0.16 | 0.148 | 0.181 | |
| | n71 | 20M | QPSK | 50 | 28 | DFT-15 | Front | 15mm | Ant 1 | DSI 4 | 136100 | 680.5 | 24.30 | 25.20 | 1.230 | 0.14 | 0.138 | 0.170 | |
| | n71 | 20M | QPSK | 50 | 28 | DFT-15 | Back | 15mm | Ant 1 | DSI 4 | 136100 | 680.5 | 24.30 | 25.20 | 1.230 | 0.08 | 0.153 | 0.188 | |
| 835MHz | | | | | | | | | | | | | | | | | | | |
| | GSM850 | - | - | - | - | GPRS (2 Tx slots) | Front | 15mm | Ant 0 | DSI 4 | 189 | 836.4 | 29.50 | 30.50 | 1.259 | 0.1 | 0.163 | 0.205 | |
| | GSM850 | - | - | - | - | GPRS (2 Tx slots) | Back | 15mm | Ant 0 | DSI 4 | 189 | 836.4 | 29.50 | 30.50 | 1.259 | 0.02 | 0.193 | 0.243 | |
| 66 | GSM850 | - | - | - | - | GPRS (2 Tx slots) | Back | 15mm | Ant 0 | DSI 4 | 128 | 824.2 | 29.45 | 30.50 | 1.274 | -0.03 | 0.255 | 0.325 | |
| | GSM850 | - | - | - | - | DTM Multi-slot class 9 | Back | 15mm | Ant 0 | DSI 4 | 128 | 824.2 | 23.30 | 24.48 | 1.312 | 0.09 | 0.224 | 0.294 | |
| | GSM850 | - | - | - | - | GPRS (2 Tx slots) | Back | 15mm | Ant 0 | DSI 4 | 251 | 848.8 | 29.48 | 30.50 | 1.265 | -0.02 | 0.214 | 0.271 | |
| | GSM850 | - | - | - | - | GPRS (4 Tx slots) | Front | 15mm | Ant 1 | DSI 4 | 189 | 836.4 | 27.00 | 28.50 | 1.413 | -0.02 | 0.122 | 0.172 | |
| | GSM850 | - | - | - | - | GPRS (4 Tx slots) | Back | 15mm | Ant 1 | DSI 4 | 189 | 836.4 | 27.00 | 28.50 | 1.413 | 0.01 | 0.141 | 0.199 | |
| | GSM850 | - | - | - | - | GPRS (4 Tx slots) | Back | 15mm | Ant 1 | DSI 4 | 128 | 824.2 | 26.89 | 28.50 | 1.449 | 0.1 | 0.183 | 0.265 | |
| | GSM850 | - | - | - | - | DTM Multi-slot class 9 | Back | 15mm | Ant 1 | DSI 4 | 128 | 824.2 | 23.76 | 24.98 | 1.324 | -0.18 | 0.157 | 0.208 | |
| | GSM850 | - | - | - | - | GPRS (4 Tx slots) | Back | 15mm | Ant 1 | DSI 4 | 251 | 848.8 | 26.92 | 28.50 | 1.439 | 0.09 | 0.104 | 0.150 | |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Front | 15mm | Ant 0 | DSI 4 | 4182 | 836.4 | 23.99 | 24.30 | 1.074 | -0.15 | 0.207 | 0.222 | |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Back | 15mm | Ant 0 | DSI 4 | 4182 | 836.4 | 23.99 | 24.30 | 1.074 | -0.06 | 0.247 | 0.265 | |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Back | 15mm | Ant 0 | DSI 4 | 4132 | 826.4 | 23.96 | 24.30 | 1.081 | -0.13 | 0.235 | 0.254 | |
| 67 | WCDMA V | - | - | - | - | RMC 12.2Kbps | Back | 15mm | Ant 0 | DSI 4 | 4233 | 846.6 | 23.92 | 24.30 | 1.091 | 0.14 | 0.309 | 0.337 | |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Front | 15mm | Ant 1 | DSI 4 | 4182 | 836.4 | 24.10 | 24.80 | 1.175 | -0.03 | 0.143 | 0.168 | |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Back | 15mm | Ant 1 | DSI 4 | 4182 | 836.4 | 24.10 | 24.80 | 1.175 | -0.12 | 0.162 | 0.190 | |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Back | 15mm | Ant 1 | DSI 4 | 4132 | 826.4 | 24.03 | 24.80 | 1.194 | 0.14 | 0.195 | 0.233 | |
| | WCDMA V | - | - | - | - | RMC 12.2Kbps | Back | 15mm | Ant 1 | DSI 4 | 4233 | 846.6 | 24.06 | 24.80 | 1.186 | 0.16 | 0.141 | 0.167 | |
| | LTE Band 5 | 10M | QPSK | 1 | 0 | - | Front | 15mm | Ant 0 | DSI 4 | 20525 | 836.5 | 23.86 | 24.80 | 1.242 | 0.05 | 0.221 | 0.274 | |



FCC SAR TEST REPORT

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|----------------|-------------|-----|------|----|----|--------------|-------|------|-------|-------|--------|--------|-------|-------|-------|-------|-------|--------------|--|
| 68 | LTE Band 5 | 10M | QPSK | 1 | 0 | - | Back | 15mm | Ant 0 | DSI 4 | 20525 | 836.5 | 23.86 | 24.80 | 1.242 | 0.09 | 0.294 | 0.365 | |
| | LTE Band 5 | 10M | QPSK | 25 | 0 | - | Front | 15mm | Ant 0 | DSI 4 | 26865 | 831.5 | 22.90 | 23.80 | 1.230 | 0.07 | 0.183 | 0.225 | |
| | LTE Band 5 | 10M | QPSK | 25 | 0 | - | Back | 15mm | Ant 0 | DSI 4 | 26865 | 831.5 | 22.90 | 23.80 | 1.230 | 0.15 | 0.209 | 0.257 | |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Front | 15mm | Ant 0 | DSI 4 | 26865 | 831.5 | 23.95 | 24.30 | 1.084 | -0.1 | 0.165 | 0.179 | |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Back | 15mm | Ant 0 | DSI 4 | 26865 | 831.5 | 23.95 | 24.30 | 1.084 | 0.13 | 0.206 | 0.223 | |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Back | 15mm | Ant 0 | DSI 4 | 26765 | 821.5 | 23.81 | 24.30 | 1.119 | -0.15 | 0.284 | 0.318 | |
| 69 | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Back | 15mm | Ant 0 | DSI 4 | 26965 | 841.5 | 23.83 | 24.30 | 1.114 | 0.11 | 0.294 | 0.328 | |
| | LTE Band 26 | 15M | QPSK | 36 | 0 | - | Front | 15mm | Ant 0 | DSI 4 | 26865 | 831.5 | 22.76 | 23.30 | 1.132 | 0.02 | 0.159 | 0.180 | |
| | LTE Band 26 | 15M | QPSK | 36 | 0 | - | Back | 15mm | Ant 0 | DSI 4 | 26865 | 831.5 | 22.76 | 23.30 | 1.132 | 0.07 | 0.191 | 0.216 | |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Front | 15mm | Ant 1 | DSI 4 | 26865 | 831.5 | 24.03 | 24.80 | 1.194 | 0.06 | 0.134 | 0.160 | |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Back | 15mm | Ant 1 | DSI 4 | 26865 | 831.5 | 24.03 | 24.80 | 1.194 | 0.08 | 0.147 | 0.176 | |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Back | 15mm | Ant 1 | DSI 4 | 26765 | 821.5 | 24.00 | 24.80 | 1.202 | 0.04 | 0.135 | 0.162 | |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Back | 15mm | Ant 1 | DSI 4 | 26965 | 841.5 | 23.83 | 24.80 | 1.250 | 0.01 | 0.144 | 0.180 | |
| | LTE Band 26 | 15M | QPSK | 36 | 0 | - | Front | 15mm | Ant 1 | DSI 4 | 26865 | 831.5 | 22.94 | 23.80 | 1.219 | 0.03 | 0.110 | 0.134 | |
| | LTE Band 26 | 15M | QPSK | 36 | 0 | - | Back | 15mm | Ant 1 | DSI 4 | 26865 | 831.5 | 22.94 | 23.80 | 1.219 | -0.11 | 0.126 | 0.154 | |
| | n5 | 20M | QPSK | 1 | 1 | DFT-15 | Front | 15mm | Ant 0 | DSI 4 | 167300 | 836.5 | 23.95 | 24.70 | 1.189 | -0.09 | 0.205 | 0.244 | |
| | n5 | 20M | QPSK | 1 | 1 | DFT-15 | Back | 15mm | Ant 0 | DSI 4 | 167300 | 836.5 | 23.95 | 24.70 | 1.189 | -0.06 | 0.231 | 0.275 | |
| | n5 | 20M | QPSK | 50 | 28 | DFT-15 | Front | 15mm | Ant 0 | DSI 4 | 167300 | 836.5 | 23.92 | 24.70 | 1.197 | 0.13 | 0.226 | 0.270 | |
| | n5 | 20M | QPSK | 50 | 28 | DFT-15 | Back | 15mm | Ant 0 | DSI 4 | 167300 | 836.5 | 23.92 | 24.70 | 1.197 | -0.06 | 0.261 | 0.312 | |
| | n5 | 20M | QPSK | 1 | 1 | DFT-15 | Front | 15mm | Ant 1 | DSI 4 | 167300 | 836.5 | 24.00 | 25.20 | 1.318 | 0.07 | 0.134 | 0.177 | |
| 70 | n5 | 20M | QPSK | 1 | 1 | DFT-15 | Back | 15mm | Ant 1 | DSI 4 | 167300 | 836.5 | 24.00 | 25.20 | 1.318 | 0.08 | 0.261 | 0.344 | |
| | n5 | 20M | QPSK | 50 | 28 | DFT-15 | Front | 15mm | Ant 1 | DSI 4 | 167300 | 836.5 | 23.95 | 25.20 | 1.334 | -0.06 | 0.128 | 0.171 | |
| | n5 | 20M | QPSK | 50 | 28 | DFT-15 | Back | 15mm | Ant 1 | DSI 4 | 167300 | 836.5 | 23.95 | 25.20 | 1.334 | 0.05 | 0.190 | 0.253 | |
| 1750MHz | | | | | | | | | | | | | | | | | | | |
| | WCDMA IV | - | - | - | - | RMC 12.2Kbps | Front | 15mm | Ant 4 | DSI 4 | 1413 | 1732.6 | 22.83 | 23.50 | 1.167 | 0.02 | 0.156 | 0.182 | |
| | WCDMA IV | - | - | - | - | RMC 12.2Kbps | Back | 15mm | Ant 4 | DSI 4 | 1413 | 1732.6 | 22.83 | 23.50 | 1.167 | -0.04 | 0.216 | 0.252 | |
| | WCDMA IV | - | - | - | - | RMC 12.2Kbps | Back | 15mm | Ant 4 | DSI 4 | 1312 | 1712.4 | 22.79 | 23.50 | 1.178 | -0.15 | 0.227 | 0.267 | |
| | WCDMA IV | - | - | - | - | RMC 12.2Kbps | Back | 15mm | Ant 4 | DSI 4 | 1513 | 1752.6 | 22.80 | 23.50 | 1.175 | 0.12 | 0.304 | 0.357 | |
| | WCDMA IV | - | - | - | - | RMC 12.2Kbps | Front | 15mm | Ant 5 | DSI 4 | 1413 | 1732.6 | 23.96 | 24.80 | 1.213 | 0.12 | 0.474 | 0.575 | |
| 71 | WCDMA IV | - | - | - | - | RMC 12.2Kbps | Back | 15mm | Ant 5 | DSI 4 | 1413 | 1732.6 | 23.96 | 24.80 | 1.213 | 0.01 | 0.543 | 0.659 | |
| | WCDMA IV | - | - | - | - | RMC 12.2Kbps | Back | 15mm | Ant 5 | DSI 4 | 1312 | 1712.4 | 23.90 | 24.80 | 1.230 | 0.05 | 0.517 | 0.636 | |
| | WCDMA IV | - | - | - | - | RMC 12.2Kbps | Back | 15mm | Ant 5 | DSI 4 | 1513 | 1752.6 | 23.94 | 24.80 | 1.219 | -0.07 | 0.518 | 0.631 | |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Front | 15mm | Ant 4 | DSI 4 | 132322 | 1745 | 22.66 | 23.40 | 1.186 | -0.03 | 0.195 | 0.231 | |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 132322 | 1745 | 22.66 | 23.40 | 1.186 | 0.1 | 0.269 | 0.319 | |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 132072 | 1720 | 22.44 | 23.40 | 1.247 | 0.14 | 0.251 | 0.313 | |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 132572 | 1770 | 22.58 | 23.40 | 1.208 | -0.16 | 0.311 | 0.376 | |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Front | 15mm | Ant 4 | DSI 4 | 132322 | 1745 | 21.71 | 22.40 | 1.172 | 0.13 | 0.157 | 0.184 | |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 132322 | 1745 | 21.71 | 22.40 | 1.172 | 0.07 | 0.218 | 0.256 | |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Front | 15mm | Ant 5 | DSI 4 | 132322 | 1745 | 23.99 | 24.80 | 1.205 | -0.09 | 0.418 | 0.504 | |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 5 | DSI 4 | 132322 | 1745 | 23.99 | 24.80 | 1.205 | 0.03 | 0.430 | 0.518 | |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 5 | DSI 4 | 132072 | 1720 | 23.79 | 24.80 | 1.262 | 0.11 | 0.428 | 0.540 | |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 5 | DSI 4 | 132572 | 1770 | 23.89 | 24.80 | 1.233 | -0.08 | 0.421 | 0.519 | |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Front | 15mm | Ant 5 | DSI 4 | 132322 | 1745 | 22.99 | 23.80 | 1.205 | -0.15 | 0.337 | 0.406 | |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Back | 15mm | Ant 5 | DSI 4 | 132322 | 1745 | 22.99 | 23.80 | 1.205 | -0.16 | 0.381 | 0.459 | |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Front | 15mm | Ant 6 | DSI 4 | 132322 | 1745 | 23.35 | 24.80 | 1.396 | -0.15 | 0.424 | 0.592 | |
| 72 | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 6 | DSI 4 | 132322 | 1745 | 23.35 | 24.80 | 1.396 | 0.14 | 0.493 | 0.688 | |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 6 | DSI 4 | 132072 | 1720 | 23.27 | 24.80 | 1.422 | 0.01 | 0.363 | 0.516 | |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 6 | DSI 4 | 132572 | 1770 | 23.18 | 24.80 | 1.452 | -0.07 | 0.381 | 0.553 | |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Front | 15mm | Ant 6 | DSI 4 | 132322 | 1745 | 22.50 | 23.80 | 1.349 | 0.12 | 0.350 | 0.472 | |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Back | 15mm | Ant 6 | DSI 4 | 132322 | 1745 | 22.50 | 23.80 | 1.349 | -0.15 | 0.356 | 0.480 | |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Front | 15mm | Ant 7 | DSI 4 | 132322 | 1745 | 23.07 | 24.30 | 1.327 | 0.02 | 0.147 | 0.195 | |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 7 | DSI 4 | 132322 | 1745 | 23.07 | 24.30 | 1.327 | 0.11 | 0.292 | 0.388 | |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 7 | DSI 4 | 132072 | 1720 | 22.96 | 24.30 | 1.361 | -0.16 | 0.267 | 0.364 | |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 7 | DSI 4 | 132572 | 1770 | 22.93 | 24.30 | 1.371 | -0.09 | 0.258 | 0.354 | |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Front | 15mm | Ant 7 | DSI 4 | 132322 | 1745 | 22.13 | 23.30 | 1.309 | -0.07 | 0.114 | 0.149 | |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | - | Back | 15mm | Ant 7 | DSI 4 | 132322 | 1745 | 22.13 | 23.30 | 1.309 | 0.09 | 0.219 | 0.287 | |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 15mm | Ant 4 | DSI 4 | 349000 | 1745 | 22.39 | 23.70 | 1.352 | 0.16 | 0.157 | 0.212 | |



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|----------------|-------------|-----|------|-----|----|------------------------|-------|------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 15mm | Ant 4 | DSI 4 | 349000 | 1745 | 22.39 | 23.70 | 1.352 | -0.09 | 0.315 | 0.426 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 15mm | Ant 4 | DSI 4 | 349000 | 1745 | 22.30 | 23.70 | 1.380 | 0.09 | 0.153 | 0.211 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 15mm | Ant 4 | DSI 4 | 349000 | 1745 | 22.30 | 23.70 | 1.380 | -0.1 | 0.206 | 0.284 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 15mm | Ant 5 | DSI 4 | 349000 | 1745 | 24.30 | 25.20 | 1.230 | 0.03 | 0.501 | 0.616 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 15mm | Ant 5 | DSI 4 | 349000 | 1745 | 24.30 | 25.20 | 1.230 | -0.01 | 0.529 | 0.651 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 15mm | Ant 5 | DSI 4 | 349000 | 1745 | 24.28 | 25.20 | 1.236 | -0.15 | 0.485 | 0.599 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 15mm | Ant 5 | DSI 4 | 349000 | 1745 | 24.28 | 25.20 | 1.236 | 0.08 | 0.520 | 0.643 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 15mm | Ant 6 | DSI 4 | 349000 | 1745 | 23.60 | 24.70 | 1.288 | -0.02 | 0.453 | 0.584 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 15mm | Ant 6 | DSI 4 | 349000 | 1745 | 23.60 | 24.70 | 1.288 | -0.16 | 0.444 | 0.572 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 15mm | Ant 6 | DSI 4 | 349000 | 1745 | 23.57 | 24.70 | 1.297 | 0.01 | 0.518 | 0.672 |
| 73 | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 15mm | Ant 6 | DSI 4 | 349000 | 1745 | 23.57 | 24.70 | 1.297 | -0.09 | 0.596 | 0.773 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 15mm | Ant 7 | DSI 4 | 349000 | 1745 | 21.70 | 23.20 | 1.413 | -0.11 | 0.111 | 0.157 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 15mm | Ant 7 | DSI 4 | 349000 | 1745 | 21.70 | 23.20 | 1.413 | -0.01 | 0.220 | 0.311 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 15mm | Ant 7 | DSI 4 | 349000 | 1745 | 21.49 | 23.20 | 1.483 | 0.16 | 0.114 | 0.169 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 15mm | Ant 7 | DSI 4 | 349000 | 1745 | 21.49 | 23.20 | 1.483 | 0.16 | 0.235 | 0.348 |
| 1900MHz | | | | | | | | | | | | | | | | | | |
| | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Front | 15mm | Ant 4 | DSI 4 | 661 | 1880 | 23.15 | 24.50 | 1.365 | 0.06 | 0.067 | 0.091 |
| | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Back | 15mm | Ant 4 | DSI 4 | 661 | 1880 | 23.15 | 24.50 | 1.365 | -0.09 | 0.101 | 0.138 |
| | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Back | 15mm | Ant 4 | DSI 4 | 512 | 1850.2 | 23.10 | 24.50 | 1.380 | 0.02 | 0.148 | 0.204 |
| | GSM1900 | - | - | - | - | DTM Multi-slot class 9 | Back | 15mm | Ant 4 | DSI 4 | 512 | 1850.2 | 19.67 | 20.98 | 1.352 | -0.08 | 0.132 | 0.178 |
| | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Back | 15mm | Ant 4 | DSI 4 | 810 | 1909.8 | 23.09 | 24.50 | 1.384 | -0.03 | 0.090 | 0.125 |
| | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Front | 15mm | Ant 5 | DSI 4 | 661 | 1880 | 24.00 | 25.50 | 1.413 | 0.15 | 0.189 | 0.267 |
| | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Back | 15mm | Ant 5 | DSI 4 | 661 | 1880 | 24.00 | 25.50 | 1.413 | 0.1 | 0.212 | 0.299 |
| 74 | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Back | 15mm | Ant 5 | DSI 4 | 512 | 1850.2 | 23.92 | 25.50 | 1.439 | 0.09 | 0.256 | 0.368 |
| | GSM1900 | - | - | - | - | DTM Multi-slot class 9 | Back | 15mm | Ant 5 | DSI 4 | 512 | 1850.2 | 20.40 | 21.98 | 1.439 | -0.03 | 0.229 | 0.329 |
| | GSM1900 | - | - | - | - | GPRS (4 Tx slots) | Back | 15mm | Ant 5 | DSI 4 | 810 | 1909.8 | 23.94 | 25.50 | 1.432 | 0.12 | 0.201 | 0.288 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Front | 15mm | Ant 4 | DSI 4 | 9400 | 1880 | 22.70 | 23.50 | 1.202 | -0.01 | 0.108 | 0.130 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Back | 15mm | Ant 4 | DSI 4 | 9400 | 1880 | 22.70 | 23.50 | 1.202 | -0.06 | 0.162 | 0.195 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Back | 15mm | Ant 4 | DSI 4 | 9262 | 1852.4 | 22.69 | 23.50 | 1.205 | 0.16 | 0.245 | 0.295 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Back | 15mm | Ant 4 | DSI 4 | 9538 | 1907.6 | 22.65 | 23.50 | 1.216 | 0.02 | 0.156 | 0.190 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Front | 15mm | Ant 5 | DSI 4 | 9400 | 1880 | 23.86 | 24.80 | 1.242 | -0.11 | 0.398 | 0.494 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Back | 15mm | Ant 5 | DSI 4 | 9400 | 1880 | 23.86 | 24.80 | 1.242 | -0.14 | 0.455 | 0.565 |
| 75 | WCDMA II | - | - | - | - | RMC 12.2Kbps | Back | 15mm | Ant 5 | DSI 4 | 9262 | 1852.4 | 23.82 | 24.80 | 1.253 | 0.06 | 0.530 | 0.664 |
| | WCDMA II | - | - | - | - | RMC 12.2Kbps | Back | 15mm | Ant 5 | DSI 4 | 9538 | 1907.6 | 23.81 | 24.80 | 1.256 | 0.15 | 0.406 | 0.510 |
| | LTE Band 2 | 20M | QPSK | 1 | 0 | - | Front | 15mm | Ant 4 | DSI 4 | 18900 | 1880 | 22.60 | 23.80 | 1.318 | -0.09 | 0.122 | 0.161 |
| | LTE Band 2 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 18900 | 1880 | 22.60 | 23.80 | 1.318 | 0.08 | 0.184 | 0.243 |
| | LTE Band 2 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 18700 | 1860 | 22.56 | 23.80 | 1.330 | -0.13 | 0.247 | 0.329 |
| | LTE Band 2 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 19100 | 1900 | 22.58 | 23.80 | 1.324 | -0.19 | 0.171 | 0.226 |
| | LTE Band 2 | 20M | QPSK | 50 | 0 | - | Front | 15mm | Ant 4 | DSI 4 | 18900 | 1880 | 21.64 | 22.80 | 1.306 | -0.18 | 0.098 | 0.128 |
| | LTE Band 2 | 20M | QPSK | 50 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 18900 | 1880 | 21.64 | 22.80 | 1.306 | -0.19 | 0.147 | 0.192 |
| | LTE Band 2 | 20M | QPSK | 1 | 0 | - | Front | 15mm | Ant 7 | DSI 4 | 18900 | 1880 | 22.50 | 23.70 | 1.318 | -0.06 | 0.123 | 0.162 |
| | LTE Band 2 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 7 | DSI 4 | 18900 | 1880 | 22.50 | 23.70 | 1.318 | -0.02 | 0.249 | 0.328 |
| | LTE Band 2 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 7 | DSI 4 | 18700 | 1860 | 22.39 | 23.70 | 1.352 | 0.06 | 0.257 | 0.347 |
| 76 | LTE Band 2 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 7 | DSI 4 | 19100 | 1900 | 22.43 | 23.70 | 1.340 | 0.16 | 0.294 | 0.394 |
| | LTE Band 2 | 20M | QPSK | 50 | 0 | - | Front | 15mm | Ant 7 | DSI 4 | 18900 | 1880 | 20.91 | 22.70 | 1.510 | 0.12 | 0.103 | 0.156 |
| | LTE Band 2 | 20M | QPSK | 50 | 0 | - | Back | 15mm | Ant 7 | DSI 4 | 18900 | 1880 | 20.91 | 22.70 | 1.510 | -0.11 | 0.206 | 0.311 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Front | 15mm | Ant 4 | DSI 4 | 26340 | 1880 | 22.65 | 23.40 | 1.189 | 0.05 | 0.125 | 0.149 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 26340 | 1880 | 22.65 | 23.40 | 1.189 | -0.05 | 0.172 | 0.204 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 26140 | 1860 | 22.61 | 23.40 | 1.199 | -0.04 | 0.173 | 0.208 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 26590 | 1905 | 22.55 | 23.40 | 1.216 | 0.09 | 0.169 | 0.206 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Front | 15mm | Ant 4 | DSI 4 | 26340 | 1880 | 21.69 | 22.40 | 1.178 | -0.04 | 0.102 | 0.120 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 26340 | 1880 | 21.69 | 22.40 | 1.178 | -0.01 | 0.146 | 0.172 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Front | 15mm | Ant 5 | DSI 4 | 26340 | 1880 | 23.92 | 24.80 | 1.225 | 0.03 | 0.372 | 0.456 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 5 | DSI 4 | 26340 | 1880 | 23.92 | 24.80 | 1.225 | -0.06 | 0.404 | 0.495 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 5 | DSI 4 | 26140 | 1860 | 23.85 | 24.80 | 1.245 | 0.02 | 0.411 | 0.511 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 5 | DSI 4 | 26590 | 1905 | 23.84 | 24.80 | 1.247 | 0.12 | 0.430 | 0.536 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Front | 15mm | Ant 5 | DSI 4 | 26340 | 1880 | 22.98 | 23.80 | 1.208 | 0.16 | 0.302 | 0.365 |



FCC SAR TEST REPORT

Report No. : FA2O2001

| | | | | | | | | | | | | | | | | | | |
|----------------|-------------|-----|------|-----|----|--------|-------|------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Back | 15mm | Ant 5 | DSI 4 | 26340 | 1880 | 22.98 | 23.80 | 1.208 | 0.07 | 0.335 | 0.405 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Front | 15mm | Ant 6 | DSI 4 | 26340 | 1880 | 23.56 | 24.30 | 1.186 | 0.16 | 0.469 | 0.556 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 6 | DSI 4 | 26340 | 1880 | 23.56 | 24.30 | 1.186 | -0.07 | 0.534 | 0.633 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 6 | DSI 4 | 26140 | 1860 | 23.54 | 24.30 | 1.191 | 0.08 | 0.488 | 0.581 |
| 77 | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 6 | DSI 4 | 26590 | 1905 | 23.48 | 24.30 | 1.208 | 0.17 | 0.607 | 0.733 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Front | 15mm | Ant 6 | DSI 4 | 26340 | 1880 | 22.52 | 23.30 | 1.197 | -0.16 | 0.379 | 0.454 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Back | 15mm | Ant 6 | DSI 4 | 26340 | 1880 | 22.52 | 23.30 | 1.197 | 0.02 | 0.430 | 0.515 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Front | 15mm | Ant 7 | DSI 4 | 26340 | 1880 | 22.51 | 23.20 | 1.172 | 0.11 | 0.123 | 0.144 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 7 | DSI 4 | 26340 | 1880 | 22.51 | 23.20 | 1.172 | 0.1 | 0.249 | 0.292 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 7 | DSI 4 | 26140 | 1860 | 22.38 | 23.20 | 1.208 | 0.13 | 0.257 | 0.310 |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 7 | DSI 4 | 26590 | 1905 | 22.45 | 23.20 | 1.189 | 0.16 | 0.272 | 0.323 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Front | 15mm | Ant 7 | DSI 4 | 26340 | 1880 | 21.06 | 22.20 | 1.300 | -0.13 | 0.103 | 0.134 |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | - | Back | 15mm | Ant 7 | DSI 4 | 26340 | 1880 | 21.06 | 22.20 | 1.300 | -0.07 | 0.206 | 0.268 |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 15mm | Ant 4 | DSI 4 | 376500 | 1882.5 | 23.38 | 24.20 | 1.208 | -0.03 | 0.144 | 0.174 |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 15mm | Ant 4 | DSI 4 | 376500 | 1882.5 | 23.38 | 24.20 | 1.208 | 0.15 | 0.258 | 0.312 |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 15mm | Ant 4 | DSI 4 | 376500 | 1882.5 | 23.35 | 24.20 | 1.216 | -0.07 | 0.140 | 0.170 |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 15mm | Ant 4 | DSI 4 | 376500 | 1882.5 | 23.35 | 24.20 | 1.216 | 0.16 | 0.203 | 0.247 |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 15mm | Ant 5 | DSI 4 | 376500 | 1882.5 | 24.25 | 25.20 | 1.245 | 0.15 | 0.423 | 0.526 |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 15mm | Ant 5 | DSI 4 | 376500 | 1882.5 | 24.25 | 25.20 | 1.245 | 0.11 | 0.539 | 0.671 |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 15mm | Ant 5 | DSI 4 | 376500 | 1882.5 | 24.24 | 25.20 | 1.247 | 0.04 | 0.401 | 0.500 |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 15mm | Ant 5 | DSI 4 | 376500 | 1882.5 | 24.24 | 25.20 | 1.247 | 0.1 | 0.446 | 0.556 |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 15mm | Ant 6 | DSI 4 | 376500 | 1882.5 | 23.90 | 24.70 | 1.202 | 0.15 | 0.488 | 0.587 |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 15mm | Ant 6 | DSI 4 | 376500 | 1882.5 | 23.90 | 24.70 | 1.202 | 0.11 | 0.566 | 0.680 |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 15mm | Ant 6 | DSI 4 | 376500 | 1882.5 | 23.84 | 24.70 | 1.219 | 0.13 | 0.525 | 0.640 |
| 78 | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 15mm | Ant 6 | DSI 4 | 376500 | 1882.5 | 23.84 | 24.70 | 1.219 | 0.01 | 0.636 | 0.775 |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 15mm | Ant 7 | DSI 4 | 376500 | 1882.5 | 22.90 | 24.10 | 1.318 | -0.13 | 0.145 | 0.191 |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 15mm | Ant 7 | DSI 4 | 376500 | 1882.5 | 22.90 | 24.10 | 1.318 | 0.08 | 0.272 | 0.359 |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 15mm | Ant 7 | DSI 4 | 376500 | 1882.5 | 22.55 | 24.10 | 1.429 | -0.04 | 0.141 | 0.201 |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 15mm | Ant 7 | DSI 4 | 376500 | 1882.5 | 22.55 | 24.10 | 1.429 | -0.06 | 0.354 | 0.506 |
| 2300MHz | | | | | | | | | | | | | | | | | | |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Front | 15mm | Ant 4 | DSI 4 | 27710 | 2310 | 22.40 | 22.90 | 1.122 | -0.09 | 0.172 | 0.193 |
| 79 | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 27710 | 2310 | 22.40 | 22.90 | 1.122 | -0.02 | 0.435 | 0.488 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Front | 15mm | Ant 4 | DSI 4 | 27710 | 2310 | 21.46 | 21.90 | 1.107 | 0.03 | 0.136 | 0.151 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 27710 | 2310 | 21.46 | 21.90 | 1.107 | -0.09 | 0.213 | 0.236 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Front | 15mm | Ant 5 | DSI 4 | 27710 | 2310 | 23.68 | 24.30 | 1.153 | 0.09 | 0.323 | 0.373 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Back | 15mm | Ant 5 | DSI 4 | 27710 | 2310 | 23.68 | 24.30 | 1.153 | -0.08 | 0.384 | 0.443 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Front | 15mm | Ant 5 | DSI 4 | 27710 | 2310 | 22.76 | 23.30 | 1.132 | -0.04 | 0.253 | 0.286 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Back | 15mm | Ant 5 | DSI 4 | 27710 | 2310 | 22.76 | 23.30 | 1.132 | -0.05 | 0.276 | 0.313 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Front | 15mm | Ant 6 | DSI 4 | 27710 | 2310 | 22.90 | 23.80 | 1.230 | -0.11 | 0.293 | 0.360 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Back | 15mm | Ant 6 | DSI 4 | 27710 | 2310 | 22.90 | 23.80 | 1.230 | 0.06 | 0.390 | 0.480 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Front | 15mm | Ant 6 | DSI 4 | 27710 | 2310 | 21.90 | 22.80 | 1.230 | 0.16 | 0.232 | 0.285 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Back | 15mm | Ant 6 | DSI 4 | 27710 | 2310 | 21.90 | 22.80 | 1.230 | -0.07 | 0.250 | 0.308 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Front | 15mm | Ant 7 | DSI 4 | 27710 | 2310 | 22.02 | 23.10 | 1.282 | 0.14 | 0.157 | 0.201 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Back | 15mm | Ant 7 | DSI 4 | 27710 | 2310 | 22.02 | 23.10 | 1.282 | 0.11 | 0.221 | 0.283 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Front | 15mm | Ant 7 | DSI 4 | 27710 | 2310 | 21.45 | 22.10 | 1.161 | -0.14 | 0.124 | 0.144 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | - | Back | 15mm | Ant 7 | DSI 4 | 27710 | 2310 | 21.45 | 22.10 | 1.161 | 0.03 | 0.140 | 0.163 |
| | n30 | 10M | QPSK | 1 | 1 | DFT-15 | Front | 15mm | Ant 4 | DSI 4 | 462000 | 2310 | 22.95 | 23.70 | 1.189 | -0.1 | 0.246 | 0.292 |
| | n30 | 10M | QPSK | 1 | 1 | DFT-15 | Back | 15mm | Ant 4 | DSI 4 | 462000 | 2310 | 22.95 | 23.70 | 1.189 | -0.07 | 0.365 | 0.434 |
| | n30 | 10M | QPSK | 25 | 14 | DFT-15 | Front | 15mm | Ant 4 | DSI 4 | 462000 | 2310 | 22.88 | 23.70 | 1.208 | -0.04 | 0.239 | 0.289 |
| 80 | n30 | 10M | QPSK | 25 | 14 | DFT-15 | Back | 15mm | Ant 4 | DSI 4 | 462000 | 2310 | 22.88 | 23.70 | 1.208 | 0.06 | 0.447 | 0.540 |
| | n30 | 10M | QPSK | 1 | 1 | DFT-15 | Front | 15mm | Ant 5 | DSI 4 | 462000 | 2310 | 24.13 | 24.70 | 1.140 | 0.13 | 0.338 | 0.385 |
| | n30 | 10M | QPSK | 1 | 1 | DFT-15 | Back | 15mm | Ant 5 | DSI 4 | 462000 | 2310 | 24.13 | 24.70 | 1.140 | -0.05 | 0.364 | 0.415 |
| | n30 | 10M | QPSK | 25 | 14 | DFT-15 | Front | 15mm | Ant 5 | DSI 4 | 462000 | 2310 | 24.00 | 24.70 | 1.175 | 0.06 | 0.353 | 0.415 |
| | n30 | 10M | QPSK | 25 | 14 | DFT-15 | Back | 15mm | Ant 5 | DSI 4 | 462000 | 2310 | 24.00 | 24.70 | 1.175 | -0.1 | 0.441 | 0.518 |



FCC SAR TEST REPORT

Report No. : FA2O2001

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Mode | Test Position | Gap (mm) | 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) |
|----------------|------------------|----------|------------|---------|-----------|------|---------------|----------|---------|-------------|-------------|---------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
| 2600MHz | | | | | | | | | | | | | | | | | | | | |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Front | 15mm | Ant 4 | DSI 4 | 21100 | 2535 | 22.45 | 22.70 | 1.059 | - | - | 0.07 | 0.160 | 0.169 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 21100 | 2535 | 22.45 | 22.70 | 1.059 | - | - | 0.07 | 0.274 | 0.290 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 20850 | 2510 | 22.36 | 22.70 | 1.081 | - | - | -0.1 | 0.254 | 0.275 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 21350 | 2560 | 22.39 | 22.70 | 1.074 | - | - | 0.08 | 0.265 | 0.285 |
| | LTE Band 7C | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 21350+21152 | 2560+2540.2 | 22.27 | 22.70 | 1.104 | - | - | 0.01 | 0.246 | 0.272 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Front | 15mm | Ant 4 | DSI 4 | 21100 | 2535 | 21.54 | 21.70 | 1.038 | - | - | -0.08 | 0.132 | 0.137 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 21100 | 2535 | 21.54 | 21.70 | 1.038 | - | - | 0.05 | 0.223 | 0.231 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Front | 15mm | Ant 5 | DSI 4 | 21100 | 2535 | 23.58 | 24.10 | 1.127 | - | - | -0.14 | 0.331 | 0.373 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 5 | DSI 4 | 21100 | 2535 | 23.58 | 24.10 | 1.127 | - | - | 0.01 | 0.394 | 0.444 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 5 | DSI 4 | 20850 | 2510 | 23.52 | 24.10 | 1.143 | - | - | 0.08 | 0.361 | 0.413 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 5 | DSI 4 | 21350 | 2560 | 23.55 | 24.10 | 1.135 | - | - | 0.11 | 0.499 | 0.566 |
| | LTE Band 7C | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 5 | DSI 4 | 21350+21152 | 2560+2540.2 | 23.25 | 24.10 | 1.216 | - | - | 0.05 | 0.430 | 0.523 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Front | 15mm | Ant 5 | DSI 4 | 21100 | 2535 | 22.60 | 23.10 | 1.122 | - | - | 0.07 | 0.272 | 0.305 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Back | 15mm | Ant 5 | DSI 4 | 21100 | 2535 | 22.60 | 23.10 | 1.122 | - | - | 0.05 | 0.326 | 0.366 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Front | 15mm | Ant 6 | DSI 4 | 21100 | 2535 | 22.80 | 23.80 | 1.259 | - | - | 0.1 | 0.568 | 0.715 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 6 | DSI 4 | 21100 | 2535 | 22.80 | 23.80 | 1.259 | - | - | 0.1 | 0.759 | 0.956 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 6 | DSI 4 | 20850 | 2510 | 22.69 | 23.80 | 1.291 | - | - | 0.01 | 0.724 | 0.935 |
| 81 | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 6 | DSI 4 | 21350 | 2560 | 22.69 | 23.80 | 1.291 | - | - | -0.03 | 0.786 | 1.015 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 6 | DSI 9/14 | 21350 | 2560 | 16.98 | 17.80 | 1.208 | - | - | 0.05 | 0.200 | 0.242 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Front | 15mm | Ant 6 | DSI 4 | 21100 | 2535 | 21.70 | 22.80 | 1.288 | - | - | -0.05 | 0.466 | 0.600 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Back | 15mm | Ant 6 | DSI 4 | 21100 | 2535 | 21.70 | 22.80 | 1.288 | - | - | -0.11 | 0.552 | 0.711 |
| | LTE Band 7 | 20M | QPSK | 100 | 0 | - | Front | 15mm | Ant 6 | DSI 4 | 21100 | 2535 | 21.69 | 22.80 | 1.291 | - | - | 0.02 | 0.530 | 0.684 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Front | 15mm | Ant 7 | DSI 4 | 21100 | 2535 | 21.88 | 23.00 | 1.294 | - | - | -0.09 | 0.190 | 0.246 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 7 | DSI 4 | 21100 | 2535 | 21.88 | 23.00 | 1.294 | - | - | -0.07 | 0.264 | 0.342 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 7 | DSI 4 | 20850 | 2510 | 21.79 | 23.00 | 1.321 | - | - | 0.03 | 0.095 | 0.126 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 7 | DSI 4 | 21350 | 2560 | 21.84 | 23.00 | 1.306 | - | - | -0.09 | 0.212 | 0.277 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Front | 15mm | Ant 7 | DSI 4 | 21100 | 2535 | 21.05 | 22.00 | 1.245 | - | - | -0.05 | 0.149 | 0.185 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Back | 15mm | Ant 7 | DSI 4 | 21100 | 2535 | 21.05 | 22.00 | 1.245 | - | - | 0.16 | 0.190 | 0.236 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Front | 15mm | Ant 4 | DSI 4 | 40620 | 2593 | 22.90 | 23.40 | 1.122 | 62.9 | 1.006 | -0.11 | 0.123 | 0.139 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 40620 | 2593 | 22.90 | 23.40 | 1.122 | 62.9 | 1.006 | -0.03 | 0.218 | 0.246 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 39750 | 2506 | 22.85 | 23.40 | 1.135 | 62.9 | 1.006 | 0.13 | 0.187 | 0.214 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 40185 | 2549.5 | 22.89 | 23.40 | 1.125 | 62.9 | 1.006 | -0.12 | 0.222 | 0.251 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 41055 | 2636.5 | 22.85 | 23.40 | 1.135 | 62.9 | 1.006 | 0.09 | 0.293 | 0.335 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 41490 | 2680 | 22.86 | 23.40 | 1.132 | 62.9 | 1.006 | -0.08 | 0.244 | 0.278 |
| | LTE Band 41C | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 40185+40383 | 2549.5+2569.3 | 22.78 | 23.40 | 1.153 | 62.9 | 1.006 | 0.05 | 0.254 | 0.295 |
| | LTE Band 41_PC2 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 41055 | 2636.5 | 24.66 | 25.40 | 1.186 | 42.9 | 1.009 | -0.05 | 0.313 | 0.374 |
| | LTE Band 41C_PC2 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 40185+40383 | 2549.5+2569.3 | 24.02 | 24.40 | 1.091 | 42.9 | 1.009 | 0.08 | 0.209 | 0.230 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Front | 15mm | Ant 4 | DSI 4 | 40620 | 2593 | 21.69 | 22.40 | 1.178 | 62.9 | 1.006 | 0.02 | 0.097 | 0.115 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Back | 15mm | Ant 4 | DSI 4 | 40620 | 2593 | 21.69 | 22.40 | 1.178 | 62.9 | 1.006 | 0.08 | 0.172 | 0.204 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Front | 15mm | Ant 5 | DSI 4 | 40620 | 2593 | 24.30 | 24.80 | 1.122 | 62.9 | 1.006 | 0.06 | 0.216 | 0.244 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 5 | DSI 4 | 40620 | 2593 | 24.30 | 24.80 | 1.122 | 62.9 | 1.006 | 0.16 | 0.275 | 0.310 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 5 | DSI 4 | 39750 | 2506 | 24.26 | 24.80 | 1.132 | 62.9 | 1.006 | -0.01 | 0.231 | 0.263 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 5 | DSI 4 | 40185 | 2549.5 | 24.25 | 24.80 | 1.135 | 62.9 | 1.006 | 0.11 | 0.270 | 0.308 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 5 | DSI 4 | 41055 | 2636.5 | 24.23 | 24.80 | 1.140 | 62.9 | 1.006 | 0.02 | 0.285 | 0.327 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 5 | DSI 4 | 41490 | 2680 | 24.27 | 24.80 | 1.130 | 62.9 | 1.006 | 0.11 | 0.401 | 0.456 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 5 | DSI 4 | 41490+41292 | 2680+2660.2 | 23.97 | 24.80 | 1.211 | 42.9 | 1.009 | 0.09 | 0.357 | 0.436 |
| | LTE Band 41_PC2 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 5 | DSI 4 | 41490 | 2680 | 26.05 | 26.80 | 1.189 | 42.9 | 1.009 | -0.14 | 0.417 | 0.500 |
| | LTE Band 41C_PC2 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 5 | DSI 4 | 41490+41292 | 2680+2660.2 | 25.32 | 25.80 | 1.117 | 42.9 | 1.009 | 0.09 | 0.297 | 0.335 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Front | 15mm | Ant 5 | DSI 4 | 40620 | 2593 | 23.25 | 23.80 | 1.135 | 62.9 | 1.006 | 0.14 | 0.167 | 0.191 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Back | 15mm | Ant 5 | DSI 4 | 40620 | 2593 | 23.25 | 23.80 | 1.135 | 62.9 | 1.006 | 0.06 | 0.215 | 0.245 |



FCC SAR TEST REPORT

Report No. : FA2O2001

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|----|------------------|------|------|-----|----|--------|-------|------|-------|----------|--------|---------|-------|-------|-------|------|-------|-------|-------|-------|
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Front | 15mm | Ant 6 | DSI 4 | 40620 | 2593 | 23.59 | 24.30 | 1.178 | 62.9 | 1.006 | -0.01 | 0.402 | 0.476 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 6 | DSI 4 | 40620 | 2593 | 23.59 | 24.30 | 1.178 | 62.9 | 1.006 | 0.16 | 0.490 | 0.580 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 6 | DSI 4 | 39750 | 2506 | 23.56 | 24.30 | 1.186 | 62.9 | 1.006 | -0.12 | 0.404 | 0.482 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 6 | DSI 4 | 40185 | 2549.5 | 23.55 | 24.30 | 1.189 | 62.9 | 1.006 | 0.05 | 0.640 | 0.765 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 6 | DSI 4 | 41055 | 2636.5 | 23.51 | 24.30 | 1.199 | 62.9 | 1.006 | 0.05 | 0.478 | 0.577 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 6 | DSI 4 | 41490 | 2680 | 23.49 | 24.30 | 1.205 | 62.9 | 1.006 | -0.01 | 0.449 | 0.544 |
| 82 | LTE Band 41_PC2 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 6 | DSI 4 | 40185 | 2549.5 | 25.25 | 26.30 | 1.274 | 42.9 | 1.009 | 0.04 | 0.600 | 0.771 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Front | 15mm | Ant 6 | DSI 4 | 40620 | 2593 | 22.60 | 23.30 | 1.175 | 62.9 | 1.006 | -0.06 | 0.337 | 0.398 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Back | 15mm | Ant 6 | DSI 4 | 40620 | 2593 | 22.60 | 23.30 | 1.175 | 62.9 | 1.006 | 0.1 | 0.376 | 0.444 |
| | LTE Band 41 | 20M | QPSK | 100 | 0 | - | Back | 15mm | Ant 6 | DSI 4 | 40620 | 2593 | 22.50 | 23.30 | 1.202 | 62.9 | 1.006 | 0.06 | 0.488 | 0.590 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 15mm | Ant 4 | DSI 4 | 507000 | 2535 | 22.10 | 23.50 | 1.380 | - | - | 0.1 | 0.178 | 0.246 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 15mm | Ant 4 | DSI 4 | 507000 | 2535 | 22.10 | 23.50 | 1.380 | - | - | -0.03 | 0.273 | 0.377 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 15mm | Ant 4 | DSI 4 | 507000 | 2535 | 22.10 | 23.50 | 1.380 | - | - | 0.15 | 0.175 | 0.242 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 15mm | Ant 4 | DSI 4 | 507000 | 2535 | 22.10 | 23.50 | 1.380 | - | - | -0.08 | 0.325 | 0.449 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 15mm | Ant 5 | DSI 4 | 507000 | 2535 | 23.20 | 24.70 | 1.413 | - | - | 0.14 | 0.307 | 0.434 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 15mm | Ant 5 | DSI 4 | 507000 | 2535 | 23.20 | 24.70 | 1.413 | - | - | 0.11 | 0.374 | 0.528 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 15mm | Ant 5 | DSI 4 | 507000 | 2535 | 23.19 | 24.70 | 1.416 | - | - | 0.02 | 0.348 | 0.493 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 15mm | Ant 5 | DSI 4 | 507000 | 2535 | 23.19 | 24.70 | 1.416 | - | - | 0.06 | 0.416 | 0.589 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 15mm | Ant 6 | DSI 4 | 507000 | 2535 | 22.90 | 24.20 | 1.349 | - | - | 0.14 | 0.506 | 0.683 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 15mm | Ant 6 | DSI 4 | 507000 | 2535 | 22.90 | 24.20 | 1.349 | - | - | -0.09 | 0.571 | 0.770 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 15mm | Ant 6 | DSI 4 | 507000 | 2535 | 22.88 | 24.20 | 1.355 | - | - | 0.13 | 0.524 | 0.710 |
| 83 | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 15mm | Ant 6 | DSI 4 | 507000 | 2535 | 22.88 | 24.20 | 1.355 | - | - | -0.14 | 0.708 | 0.959 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 15mm | Ant 6 | DSI 9/14 | 507000 | 2535 | 21.93 | 23.20 | 1.340 | - | - | -0.14 | 0.550 | 0.737 |
| | n7 | 40M | QPSK | 216 | 0 | DFT-15 | Back | 15mm | Ant 6 | DSI 4 | 507000 | 2535 | 22.32 | 23.20 | 1.225 | - | - | -0.11 | 0.560 | 0.686 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 15mm | Ant 7 | DSI 4 | 507000 | 2535 | 22.35 | 23.50 | 1.303 | - | - | 0.08 | 0.212 | 0.276 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 15mm | Ant 7 | DSI 4 | 507000 | 2535 | 22.35 | 23.50 | 1.303 | - | - | -0.12 | 0.226 | 0.295 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 15mm | Ant 7 | DSI 4 | 507000 | 2535 | 22.24 | 23.50 | 1.337 | - | - | -0.13 | 0.194 | 0.259 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 15mm | Ant 7 | DSI 4 | 507000 | 2535 | 22.24 | 23.50 | 1.337 | - | - | 0.14 | 0.262 | 0.350 |
| | n38 | 30M | QPSK | 1 | 1 | DFT-30 | Front | 15mm | Ant 4 | DSI 4 | 519000 | 2595 | 22.62 | 23.70 | 1.282 | - | - | 0.09 | 0.205 | 0.263 |
| | n38 | 30M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 4 | DSI 4 | 519000 | 2595 | 22.62 | 23.70 | 1.282 | - | - | -0.1 | 0.406 | 0.521 |
| | n38 | 30M | QPSK | 36 | 22 | DFT-30 | Front | 15mm | Ant 4 | DSI 4 | 519000 | 2595 | 22.46 | 23.70 | 1.330 | - | - | 0.16 | 0.191 | 0.254 |
| | n38 | 30M | QPSK | 36 | 22 | DFT-30 | Back | 15mm | Ant 4 | DSI 4 | 519000 | 2595 | 22.46 | 23.70 | 1.330 | - | - | 0.07 | 0.321 | 0.427 |
| | n38 | 30M | QPSK | 1 | 1 | DFT-30 | Front | 15mm | Ant 5 | DSI 4 | 519000 | 2595 | 24.25 | 25.20 | 1.245 | - | - | 0.09 | 0.374 | 0.465 |
| | n38 | 30M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 5 | DSI 4 | 519000 | 2595 | 24.25 | 25.20 | 1.245 | - | - | -0.09 | 0.583 | 0.726 |
| | n38 | 30M | QPSK | 36 | 22 | DFT-30 | Front | 15mm | Ant 5 | DSI 4 | 519000 | 2595 | 24.11 | 25.20 | 1.285 | - | - | -0.14 | 0.363 | 0.467 |
| | n38 | 30M | QPSK | 36 | 22 | DFT-30 | Back | 15mm | Ant 5 | DSI 4 | 519000 | 2595 | 24.11 | 25.20 | 1.285 | - | - | 0.07 | 0.470 | 0.604 |
| | n38 | 30M | QPSK | 1 | 1 | DFT-30 | Front | 15mm | Ant 6 | DSI 4 | 519000 | 2595 | 23.50 | 24.70 | 1.318 | - | - | -0.03 | 0.654 | 0.862 |
| 84 | n38 | 30M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 6 | DSI 4 | 519000 | 2595 | 23.50 | 24.70 | 1.318 | - | - | -0.07 | 0.859 | 1.132 |
| | n38 | 30M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 6 | DSI 9/14 | 519000 | 2595 | 21.50 | 22.70 | 1.318 | - | - | 0.02 | 0.520 | 0.685 |
| | n38 | 30M | QPSK | 36 | 22 | DFT-30 | Front | 15mm | Ant 6 | DSI 4 | 519000 | 2595 | 23.33 | 24.70 | 1.371 | - | - | -0.08 | 0.627 | 0.860 |
| | n38 | 30M | QPSK | 36 | 22 | DFT-30 | Back | 15mm | Ant 6 | DSI 4 | 519000 | 2595 | 23.33 | 24.70 | 1.371 | - | - | -0.09 | 0.818 | 1.121 |
| | n38 | 30M | QPSK | 75 | 0 | DFT-30 | Front | 15mm | Ant 6 | DSI 4 | 519000 | 2595 | 22.67 | 23.70 | 1.268 | - | - | 0.12 | 0.568 | 0.720 |
| | n38 | 30M | QPSK | 75 | 0 | DFT-30 | Back | 15mm | Ant 6 | DSI 4 | 519000 | 2595 | 22.67 | 23.70 | 1.268 | - | - | 0.06 | 0.645 | 0.818 |
| | n38 | 30M | QPSK | 1 | 1 | DFT-30 | Front | 15mm | Ant 7 | DSI 4 | 519000 | 2595 | 22.82 | 24.00 | 1.312 | - | - | -0.15 | 0.154 | 0.202 |
| | n38 | 30M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 7 | DSI 4 | 519000 | 2595 | 22.82 | 24.00 | 1.312 | - | - | 0.04 | 0.215 | 0.282 |
| | n38 | 30M | QPSK | 36 | 22 | DFT-30 | Front | 15mm | Ant 7 | DSI 4 | 519000 | 2595 | 22.75 | 24.00 | 1.334 | - | - | 0.11 | 0.138 | 0.184 |
| | n38 | 30M | QPSK | 36 | 22 | DFT-30 | Back | 15mm | Ant 7 | DSI 4 | 519000 | 2595 | 22.75 | 24.00 | 1.334 | - | - | -0.07 | 0.184 | 0.245 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 15mm | Ant 4 | DSI 4 | 518598 | 2592.99 | 24.40 | 25.20 | 1.202 | - | - | -0.13 | 0.343 | 0.412 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 4 | DSI 4 | 518598 | 2592.99 | 24.40 | 25.20 | 1.202 | - | - | 0.05 | 0.616 | 0.741 |
| | n41_PC2(UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Back | 15mm | Ant 4 | DSI 4 | 518598 | 2592.99 | 20.20 | 21.20 | 1.259 | - | - | -0.02 | 0.200 | 0.252 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 15mm | Ant 4 | DSI 4 | 518598 | 2592.99 | 23.70 | 25.20 | 1.413 | - | - | -0.11 | 0.284 | 0.401 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 15mm | Ant 4 | DSI 4 | 518598 | 2592.99 | 23.70 | 25.20 | 1.413 | - | - | -0.14 | 0.514 | 0.726 |
| | n41_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Back | 15mm | Ant 4 | DSI 4 | 518598 | 2592.99 | 22.88 | 24.20 | 1.355 | - | - | 0.05 | 0.500 | 0.678 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 15mm | Ant 5 | DSI 4 | 518598 | 2592.99 | 25.82 | 26.70 | 1.225 | - | - | 0.13 | 0.637 | 0.780 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 5 | DSI 4 | 518598 | 2592.99 | 25.82 | 26.70 | 1.225 | - | - | 0.16 | 0.817 | 1.001 |
| | n41_PC2(UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Back | 15mm | Ant 5 | DSI 4 | 518598 | 2592.99 | 21.93 | 22.70 | 1.194 | - | - | 0.06 | 0.300 | 0.358 |



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|----|------------------|------|------|-----|----|--------|-------|------|-------|----------|--------|---------|-------|-------|-------|---|---|-------|-------|-------|
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 5 | DSI 9/14 | 518598 | 2592.99 | 17.88 | 18.70 | 1.208 | - | - | -0.16 | 0.130 | 0.157 |
| | n41_PC2(UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Back | 15mm | Ant 5 | DSI 9/14 | 518598 | 2592.99 | 17.79 | 18.70 | 1.233 | - | - | 0.02 | 0.111 | 0.137 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 15mm | Ant 5 | DSI 4 | 518598 | 2592.99 | 24.95 | 26.70 | 1.496 | - | - | -0.03 | 0.519 | 0.777 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 15mm | Ant 5 | DSI 4 | 518598 | 2592.99 | 24.95 | 26.70 | 1.496 | - | - | 0.04 | 0.698 | 1.044 |
| | n41_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Front | 15mm | Ant 5 | DSI 4 | 518598 | 2592.99 | 24.33 | 25.70 | 1.371 | - | - | -0.03 | 0.469 | 0.643 |
| | n41_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Back | 15mm | Ant 5 | DSI 4 | 518598 | 2592.99 | 24.33 | 25.70 | 1.371 | - | - | 0.06 | 0.688 | 0.943 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 15mm | Ant 6 | DSI 4 | 518598 | 2592.99 | 25.00 | 26.20 | 1.318 | - | - | -0.15 | 0.688 | 0.907 |
| 85 | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 6 | DSI 4 | 518598 | 2592.99 | 25.00 | 26.20 | 1.318 | - | - | 0.08 | 0.864 | 1.139 |
| | n41_PC2(UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Back | 15mm | Ant 6 | DSI 4 | 518598 | 2592.99 | 21.25 | 22.20 | 1.245 | - | - | 0.06 | 0.630 | 0.784 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 6 | DSI 9/14 | 518598 | 2592.99 | 21.88 | 22.70 | 1.208 | - | - | 0.02 | 0.410 | 0.495 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 15mm | Ant 6 | DSI 4 | 518598 | 2592.99 | 24.73 | 26.20 | 1.403 | - | - | -0.14 | 0.563 | 0.790 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 15mm | Ant 6 | DSI 4 | 518598 | 2592.99 | 24.73 | 26.20 | 1.403 | - | - | 0.13 | 0.702 | 0.985 |
| | n41_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Front | 15mm | Ant 6 | DSI 4 | 518598 | 2592.99 | 24.10 | 25.20 | 1.288 | - | - | -0.02 | 0.557 | 0.718 |
| | n41_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Back | 15mm | Ant 6 | DSI 4 | 518598 | 2592.99 | 24.10 | 25.20 | 1.288 | - | - | 0.06 | 0.672 | 0.866 |

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Mode | Test Position | Gap (mm) | 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) |
|---------------------|--------------|----------|------------|---------|-----------|------|---------------|----------|---------|-------------|------------------|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
| 3450-3700MHz | | | | | | | | | | | | | | | | | | | | |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Front | 15mm | Ant 6 | DSI 4 | 55340 | 3560 | 23.95 | 24.80 | 1.216 | 62.9 | 1.006 | 0.07 | 0.241 | 0.295 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Back | 15mm | Ant 6 | DSI 4 | 55340 | 3560 | 23.95 | 24.80 | 1.216 | 62.9 | 1.006 | 0.01 | 0.324 | 0.396 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Back | 15mm | Ant 6 | DSI 4 | 55830 | 3609 | 23.92 | 24.80 | 1.225 | 62.9 | 1.006 | 0.01 | 0.315 | 0.388 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Back | 15mm | Ant 6 | DSI 4 | 56150 | 3641 | 23.83 | 24.80 | 1.250 | 62.9 | 1.006 | 0.16 | 0.334 | 0.420 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Back | 15mm | Ant 6 | DSI 4 | 56640 | 3690 | 23.76 | 24.80 | 1.271 | 62.9 | 1.006 | -0.1 | 0.345 | 0.441 |
| | LTE Band 48C | 20M | QPSK | 1 | 49 | - | Back | 15mm | Ant 6 | DSI 4 | 55830+3609+56028 | 3609+3628.8 | 23.33 | 24.80 | 1.403 | 62.9 | 1.006 | 0.02 | 0.258 | 0.364 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Front | 15mm | Ant 6 | DSI 4 | 55340 | 3560 | 23.11 | 23.80 | 1.172 | 62.9 | 1.006 | -0.06 | 0.201 | 0.237 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Back | 15mm | Ant 6 | DSI 4 | 55340 | 3560 | 23.11 | 23.80 | 1.172 | 62.9 | 1.006 | -0.09 | 0.263 | 0.310 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Front | 15mm | Ant 7 | DSI 4 | 55340 | 3560 | 22.55 | 23.80 | 1.334 | 62.9 | 1.006 | -0.07 | 0.104 | 0.140 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 7 | DSI 4 | 55340 | 3560 | 22.55 | 23.80 | 1.334 | 62.9 | 1.006 | 0.05 | 0.436 | 0.585 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 7 | DSI 4 | 55830 | 3609 | 22.37 | 23.80 | 1.390 | 62.9 | 1.006 | -0.12 | 0.514 | 0.719 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 7 | DSI 4 | 56150 | 3641 | 22.42 | 23.80 | 1.374 | 62.9 | 1.006 | 0.06 | 0.453 | 0.626 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 7 | DSI 4 | 56640 | 3690 | 22.47 | 23.80 | 1.358 | 62.9 | 1.006 | -0.04 | 0.403 | 0.551 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Front | 15mm | Ant 7 | DSI 4 | 55340 | 3560 | 21.66 | 22.80 | 1.300 | 62.9 | 1.006 | 0.04 | 0.091 | 0.119 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Back | 15mm | Ant 7 | DSI 4 | 55340 | 3560 | 21.66 | 22.80 | 1.300 | 62.9 | 1.006 | -0.05 | 0.352 | 0.460 |
| | LTE Band 48 | 20M | QPSK | 100 | 0 | - | Back | 15mm | Ant 7 | DSI 4 | 55340 | 3560 | 21.60 | 22.80 | 1.318 | 62.9 | 1.006 | 0.06 | 0.337 | 0.447 |
| 86 | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Front | 15mm | Ant 10 | DSI 4 | 55340 | 3560 | 23.57 | 24.80 | 1.327 | 62.9 | 1.006 | 0.07 | 0.816 | 1.090 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 10 | DSI 4 | 55340 | 3560 | 23.57 | 24.80 | 1.327 | 62.9 | 1.006 | 0.06 | 0.323 | 0.431 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Front | 15mm | Ant 10 | DSI 4 | 55830 | 3609 | 23.42 | 24.80 | 1.374 | 62.9 | 1.006 | -0.03 | 0.606 | 0.838 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Front | 15mm | Ant 10 | DSI 4 | 56150 | 3641 | 23.44 | 24.80 | 1.368 | 62.9 | 1.006 | 0.07 | 0.610 | 0.839 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Front | 15mm | Ant 10 | DSI 4 | 56640 | 3690 | 23.31 | 24.80 | 1.409 | 62.9 | 1.006 | 0.04 | 0.603 | 0.855 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Front | 15mm | Ant 10 | DSI 9/14 | 55340 | 3560 | 17.08 | 18.30 | 1.324 | 62.9 | 1.006 | -0.02 | 0.180 | 0.240 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Front | 15mm | Ant 10 | DSI 4 | 55340 | 3560 | 22.66 | 23.80 | 1.300 | 62.9 | 1.006 | 0.04 | 0.625 | 0.817 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Back | 15mm | Ant 10 | DSI 4 | 55340 | 3560 | 22.66 | 23.80 | 1.300 | 62.9 | 1.006 | 0.12 | 0.283 | 0.370 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Front | 15mm | Ant 10 | DSI 4 | 55830 | 3609 | 22.57 | 23.80 | 1.327 | 62.9 | 1.006 | -0.16 | 0.465 | 0.621 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Front | 15mm | Ant 10 | DSI 4 | 56150 | 3641 | 22.43 | 23.80 | 1.371 | 62.9 | 1.006 | 0.1 | 0.465 | 0.641 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Front | 15mm | Ant 10 | DSI 4 | 56640 | 3690 | 22.35 | 23.80 | 1.396 | 62.9 | 1.006 | -0.09 | 0.485 | 0.681 |
| | LTE Band 48 | 20M | QPSK | 100 | 0 | - | Front | 15mm | Ant 10 | DSI 4 | 55340 | 3560 | 22.60 | 23.80 | 1.318 | 62.9 | 1.006 | 0.03 | 0.598 | 0.793 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Front | 15mm | Ant 13 | DSI 4 | 55340 | 3560 | 23.81 | 24.80 | 1.256 | 62.9 | 1.006 | -0.12 | 0.155 | 0.196 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Back | 15mm | Ant 13 | DSI 4 | 55340 | 3560 | 23.81 | 24.80 | 1.256 | 62.9 | 1.006 | 0.05 | 0.242 | 0.306 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Back | 15mm | Ant 13 | DSI 4 | 55830 | 3609 | 23.53 | 24.80 | 1.340 | 62.9 | 1.006 | -0.07 | 0.336 | 0.453 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Back | 15mm | Ant 13 | DSI 4 | 56150 | 3641 | 23.58 | 24.80 | 1.324 | 62.9 | 1.006 | 0.11 | 0.243 | 0.324 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Back | 15mm | Ant 13 | DSI 4 | 56640 | 3690 | 23.55 | 24.80 | 1.334 | 62.9 | 1.006 | 0.15 | 0.186 | 0.250 |
| | LTE Band 48C | 20M | QPSK | 1 | 49 | - | Back | 15mm | Ant 13 | DSI 4 | 55830+3609+56028 | 3609+3628.8 | 22.90 | 24.80 | 1.549 | 62.9 | 1.006 | 0.05 | 0.281 | 0.438 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Front | 15mm | Ant 13 | DSI 4 | 55340 | 3560 | 22.84 | 23.80 | 1.247 | 62.9 | 1.006 | -0.03 | 0.126 | 0.158 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Back | 15mm | Ant 13 | DSI 4 | 55340 | 3560 | 22.84 | 23.80 | 1.247 | 62.9 | 1.006 | 0.09 | 0.246 | 0.309 |



FCC SAR TEST REPORT

Report No. : FA2O2001

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|----|-------------|-----|------|-----|----|--------|-------|------|--------|----------|--------|---------|-------|-------|-------|---|---|-------|-------|-------|
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Front | 15mm | Ant 6 | DSI 4 | 641666 | 3624.99 | 24.25 | 25.20 | 1.245 | - | - | 0.05 | 0.442 | 0.550 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 6 | DSI 4 | 641666 | 3624.99 | 24.25 | 25.20 | 1.245 | - | - | -0.14 | 0.610 | 0.759 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 6 | DSI 4 | 638000 | 3570 | 24.14 | 25.20 | 1.276 | - | - | 0.04 | 0.618 | 0.789 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 6 | DSI 4 | 645332 | 3679.98 | 24.16 | 25.20 | 1.271 | - | - | -0.11 | 0.674 | 0.856 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Front | 15mm | Ant 6 | DSI 4 | 641666 | 3624.99 | 24.04 | 25.20 | 1.306 | - | - | 0.15 | 0.446 | 0.583 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Back | 15mm | Ant 6 | DSI 4 | 641666 | 3624.99 | 24.04 | 25.20 | 1.306 | - | - | -0.15 | 0.625 | 0.816 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Back | 15mm | Ant 6 | DSI 4 | 638000 | 3570 | 23.88 | 25.20 | 1.355 | - | - | 0.07 | 0.626 | 0.848 |
| 87 | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Back | 15mm | Ant 6 | DSI 4 | 645332 | 3679.98 | 24.02 | 25.20 | 1.312 | - | - | -0.04 | 0.861 | 1.130 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Back | 15mm | Ant 6 | DSI 4 | 645332 | 3679.98 | 24.02 | 25.20 | 1.312 | - | - | 0.09 | 0.819 | 1.075 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Back | 15mm | Ant 6 | DSI 9/14 | 645332 | 3679.98 | 22.35 | 23.20 | 1.216 | - | - | -0.08 | 0.550 | 0.669 |
| | Part 96 n48 | 40M | QPSK | 100 | 0 | DFT-30 | Front | 15mm | Ant 6 | DSI 4 | 641666 | 3624.99 | 21.08 | 22.20 | 1.294 | - | - | -0.15 | 0.215 | 0.278 |
| | Part 96 n48 | 40M | QPSK | 100 | 0 | DFT-30 | Back | 15mm | Ant 6 | DSI 4 | 641666 | 3624.99 | 21.08 | 22.20 | 1.294 | - | - | 0.09 | 0.307 | 0.397 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Front | 15mm | Ant 13 | DSI 4 | 641666 | 3624.99 | 24.28 | 25.20 | 1.236 | - | - | 0.11 | 0.237 | 0.293 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 13 | DSI 4 | 641666 | 3624.99 | 24.28 | 25.20 | 1.236 | - | - | 0.13 | 0.525 | 0.649 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 13 | DSI 4 | 638000 | 3570 | 24.25 | 25.20 | 1.245 | - | - | -0.14 | 0.704 | 0.876 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 13 | DSI 4 | 645332 | 3679.98 | 24.21 | 25.20 | 1.256 | - | - | 0.08 | 0.446 | 0.560 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 13 | DSI 9/14 | 638000 | 3570 | 23.24 | 24.20 | 1.247 | - | - | 0.13 | 0.540 | 0.674 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Front | 15mm | Ant 13 | DSI 4 | 641666 | 3624.99 | 24.19 | 25.20 | 1.262 | - | - | -0.12 | 0.242 | 0.305 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Back | 15mm | Ant 13 | DSI 4 | 641666 | 3624.99 | 24.19 | 25.20 | 1.262 | - | - | -0.12 | 0.493 | 0.622 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Back | 15mm | Ant 13 | DSI 4 | 638000 | 3570 | 24.14 | 25.20 | 1.276 | - | - | 0.07 | 0.550 | 0.702 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Back | 15mm | Ant 13 | DSI 4 | 645332 | 3679.98 | 24.17 | 25.20 | 1.268 | - | - | 0.07 | 0.381 | 0.483 |
| | Part 96 n48 | 40M | QPSK | 100 | 0 | DFT-30 | Back | 15mm | Ant 13 | DSI 4 | 641666 | 3624.99 | 21.15 | 22.20 | 1.274 | - | - | -0.02 | 0.118 | 0.150 |

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Mode | Test Position | Gap (mm) | Antenna | 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) | |
|---------------------|----------------------------|----------|------------|---------|-----------|--------|---------------|----------|---------|-------------|--------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|--|
| 3450-3700MHz | | | | | | | | | | | | | | | | | | | |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 15mm | Ant 6 | DSI 4 | 656000 | 3840 | 25.16 | 26.70 | 1.426 | -0.11 | 0.420 | 0.599 | |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 6 | DSI 4 | 656000 | 3840 | 25.16 | 26.70 | 1.426 | -0.12 | 0.770 | 1.098 | |
| | Part 270 n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Back | 15mm | Ant 6 | DSI 4 | 656000 | 3840 | 21.28 | 22.20 | 1.236 | 0.06 | 0.341 | 0.421 | |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 6 | DSI 9/14 | 656000 | 3840 | 21.75 | 23.20 | 1.396 | 0.09 | 0.422 | 0.589 | |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 15mm | Ant 6 | DSI 4 | 656000 | 3840 | 25.05 | 26.70 | 1.462 | -0.13 | 0.362 | 0.529 | |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 15mm | Ant 6 | DSI 4 | 656000 | 3840 | 25.05 | 26.70 | 1.462 | 0.05 | 0.547 | 0.800 | |
| | Part 270 n77_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Front | 15mm | Ant 6 | DSI 4 | 656000 | 3840 | 23.97 | 25.70 | 1.489 | -0.1 | 0.296 | 0.441 | |
| | Part 270 n77_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Back | 15mm | Ant 6 | DSI 4 | 656000 | 3840 | 23.97 | 25.70 | 1.489 | 0.01 | 0.456 | 0.679 | |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 15mm | Ant 6 | DSI 4 | 633332 | 3499.98 | 25.55 | 26.70 | 1.303 | -0.12 | 0.393 | 0.512 | |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 6 | DSI 4 | 633332 | 3499.98 | 25.55 | 26.70 | 1.303 | 0.01 | 0.474 | 0.618 | |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 15mm | Ant 6 | DSI 4 | 633332 | 3499.98 | 25.43 | 26.70 | 1.340 | 0.07 | 0.410 | 0.549 | |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 15mm | Ant 6 | DSI 4 | 633332 | 3499.98 | 25.43 | 26.70 | 1.340 | 0.1 | 0.487 | 0.652 | |
| | Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 137 | 0 | CP-30 | Back | 15mm | Ant 6 | DSI 4 | 633332 | 3499.98 | 21.08 | 22.20 | 1.294 | 0.08 | 0.245 | 0.317 | |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 15mm | Ant 6 | DSI 9/14 | 633332 | 3499.98 | 21.97 | 23.20 | 1.327 | 0.12 | 0.302 | 0.401 | |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 15mm | Ant 7 | DSI 4 | 656000 | 3840 | 23.97 | 25.20 | 1.327 | 0.13 | 0.210 | 0.279 | |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 7 | DSI 4 | 656000 | 3840 | 23.97 | 25.20 | 1.327 | -0.13 | 0.318 | 0.422 | |
| | Part 270 n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Back | 15mm | Ant 7 | DSI 4 | 656000 | 3840 | 20.05 | 20.70 | 1.161 | 0.02 | 0.135 | 0.157 | |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 7 | DSI 9/14 | 656000 | 3840 | 18.07 | 19.20 | 1.297 | 0.06 | 0.112 | 0.145 | |
| | Part 270 n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Back | 15mm | Ant 7 | DSI 9/14 | 656000 | 3840 | 18.00 | 19.20 | 1.318 | 0.1 | 0.100 | 0.132 | |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 15mm | Ant 7 | DSI 4 | 656000 | 3840 | 23.92 | 25.20 | 1.343 | 0.02 | 0.181 | 0.243 | |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 15mm | Ant 7 | DSI 4 | 656000 | 3840 | 23.92 | 25.20 | 1.343 | 0.02 | 0.242 | 0.325 | |
| | Part 270 n77_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Back | 15mm | Ant 7 | DSI 4 | 656000 | 3840 | 23.12 | 24.20 | 1.282 | -0.13 | 0.210 | 0.269 | |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 15mm | Ant 7 | DSI 4 | 633332 | 3499.98 | 24.17 | 25.20 | 1.268 | 0.11 | 0.225 | 0.285 | |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 7 | DSI 4 | 633332 | 3499.98 | 24.17 | 25.20 | 1.268 | 0.14 | 0.724 | 0.918 | |
| | Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Back | 15mm | Ant 7 | DSI 4 | 633332 | 3499.98 | 20.15 | 20.70 | 1.135 | 0.03 | 0.280 | 0.318 | |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 7 | DSI 9/14 | 633332 | 3499.98 | 18.28 | 19.20 | 1.236 | -0.01 | 0.200 | 0.247 | |
| | Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Back | 15mm | Ant 7 | DSI 9/14 | 633332 | 3499.98 | 18.22 | 19.20 | 1.253 | 0.03 | 0.185 | 0.232 | |



FCC SAR TEST REPORT

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|----|----------------------------|------|------|-----|-----|--------|-------|------|--------|----------|--------|---------|-------|-------|-------|-------|-------|-------|
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 15mm | Ant 7 | DSI 4 | 633332 | 3499.98 | 23.96 | 25.20 | 1.330 | -0.14 | 0.178 | 0.237 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 15mm | Ant 7 | DSI 4 | 633332 | 3499.98 | 23.96 | 25.20 | 1.330 | -0.15 | 0.620 | 0.825 |
| | Part 27Q n77_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Back | 15mm | Ant 7 | DSI 4 | 633332 | 3499.98 | 23.55 | 24.70 | 1.303 | -0.11 | 0.501 | 0.653 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 15mm | Ant 10 | DSI 4 | 656000 | 3840 | 25.25 | 26.70 | 1.396 | -0.14 | 0.742 | 1.036 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 10 | DSI 4 | 656000 | 3840 | 25.25 | 26.70 | 1.396 | 0.06 | 0.307 | 0.429 |
| | Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Front | 15mm | Ant 10 | DSI 4 | 656000 | 3840 | 20.98 | 21.70 | 1.180 | 0.15 | 0.525 | 0.620 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 15mm | Ant 10 | DSI 9/14 | 656000 | 3840 | 16.35 | 17.70 | 1.365 | 0.03 | 0.205 | 0.280 |
| | Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Front | 15mm | Ant 10 | DSI 9/14 | 656000 | 3840 | 16.30 | 17.70 | 1.380 | 0.07 | 0.180 | 0.248 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 15mm | Ant 10 | DSI 4 | 656000 | 3840 | 25.09 | 26.70 | 1.449 | 0.12 | 0.651 | 0.943 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 15mm | Ant 10 | DSI 4 | 656000 | 3840 | 25.09 | 26.70 | 1.449 | 0.08 | 0.246 | 0.356 |
| | Part 27Q n77_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Front | 15mm | Ant 10 | DSI 4 | 656000 | 3840 | 24.02 | 25.70 | 1.472 | 0.05 | 0.528 | 0.777 |
| | Part 27Q n77_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Back | 15mm | Ant 10 | DSI 4 | 656000 | 3840 | 24.02 | 25.70 | 1.472 | -0.06 | 0.200 | 0.294 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 15mm | Ant 10 | DSI 4 | 633332 | 3499.98 | 25.40 | 26.70 | 1.349 | -0.06 | 0.497 | 0.670 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 10 | DSI 4 | 633332 | 3499.98 | 25.40 | 26.70 | 1.349 | 0.03 | 0.474 | 0.639 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 15mm | Ant 10 | DSI 4 | 633332 | 3499.98 | 25.11 | 26.70 | 1.442 | -0.03 | 0.472 | 0.681 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 15mm | Ant 10 | DSI 4 | 633332 | 3499.98 | 25.11 | 26.70 | 1.442 | 0.03 | 0.431 | 0.622 |
| | Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 137 | 138 | CP-30 | Front | 15mm | Ant 10 | DSI 4 | 633332 | 3499.98 | 20.95 | 21.70 | 1.189 | 0.1 | 0.352 | 0.418 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 15mm | Ant 10 | DSI 9/14 | 633332 | 3499.98 | 16.40 | 17.70 | 1.349 | 0.02 | 0.150 | 0.202 |
| | Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 137 | 138 | CP-30 | Front | 15mm | Ant 10 | DSI 9/14 | 633332 | 3499.98 | 16.29 | 17.70 | 1.384 | 0.08 | 0.132 | 0.183 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 15mm | Ant 13 | DSI 4 | 656000 | 3840 | 25.00 | 26.20 | 1.318 | -0.13 | 0.143 | 0.189 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 13 | DSI 4 | 656000 | 3840 | 25.00 | 26.20 | 1.318 | -0.12 | 0.271 | 0.357 |
| | Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Back | 15mm | Ant 13 | DSI 4 | 656000 | 3840 | 21.35 | 22.20 | 1.216 | 0.05 | 0.122 | 0.148 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 13 | DSI 9/14 | 656000 | 3840 | 23.40 | 24.20 | 1.202 | 0.01 | 0.188 | 0.226 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 15mm | Ant 13 | DSI 4 | 656000 | 3840 | 24.90 | 26.20 | 1.349 | 0.1 | 0.121 | 0.163 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 15mm | Ant 13 | DSI 4 | 656000 | 3840 | 24.90 | 26.20 | 1.349 | 0.12 | 0.241 | 0.325 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 15mm | Ant 13 | DSI 4 | 633332 | 3499.98 | 24.66 | 26.20 | 1.426 | -0.06 | 0.310 | 0.442 |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 13 | DSI 4 | 633332 | 3499.98 | 24.66 | 26.20 | 1.426 | -0.11 | 0.641 | 0.914 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 15mm | Ant 13 | DSI 4 | 633332 | 3499.98 | 24.50 | 26.20 | 1.479 | 0.12 | 0.324 | 0.479 |
| 88 | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 15mm | Ant 13 | DSI 4 | 633332 | 3499.98 | 24.50 | 26.20 | 1.479 | -0.05 | 0.802 | 1.186 |
| | Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 137 | 68 | CP-30 | Back | 15mm | Ant 13 | DSI 4 | 633332 | 3499.98 | 21.27 | 22.20 | 1.239 | -0.06 | 0.380 | 0.471 |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 15mm | Ant 13 | DSI 9/14 | 633332 | 3499.98 | 23.20 | 24.20 | 1.259 | -0.16 | 0.632 | 0.796 |
| | Part 27Q n77_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Back | 15mm | Ant 13 | DSI 4 | 633332 | 3499.98 | 24.13 | 25.20 | 1.279 | -0.16 | 0.577 | 0.738 |



| Plot No. | Band | Mode | Test Position | Gap (mm) | 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) |
|-----------------------------|------------|----------------------|---------------|----------|-----------|--|-----|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
| Wifi & Bluetooth | | | | | | | | | | | | | | | | |
| | WLAN2.4GHz | 802.11b 1Mbps | Front | 15mm | Ant 12+7 | Full | 6 | 2437 | 22.41 | 23.50 | 1.285 | 99.05 | 1.010 | 0.05 | 0.214 | 0.278 |
| 89 | WLAN2.4GHz | 802.11b 1Mbps | Back | 15mm | Ant 12+7 | Full | 6 | 2437 | 22.41 | 23.50 | 1.285 | 99.05 | 1.010 | 0.16 | 0.256 | 0.332 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 15mm | Ant 12+7 | Full | 1 | 2412 | 22.22 | 23.50 | 1.343 | 99.05 | 1.010 | 0.12 | 0.231 | 0.313 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 15mm | Ant 12+7 | Full | 11 | 2462 | 22.20 | 23.50 | 1.349 | 99.05 | 1.010 | 0.03 | 0.231 | 0.315 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 15mm | Ant 12+7 | 2.4G +5G/6G/BT/ WWAN+2.4G+5G | 6 | 2437 | 20.76 | 22.00 | 1.332 | 99.05 | 1.010 | 0.06 | 0.181 | 0.243 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 15mm | Ant 12+7 | WWAN+2.4G+5G/6G+BT | 6 | 2437 | 17.94 | 19.00 | 1.278 | 99.05 | 1.010 | 0.02 | 0.084 | 0.108 |
| | Bluetooth | DH5 1Mbps | Front | 15mm | Ant 12 | Full | 78 | 2480 | 17.33 | 19.00 | 1.469 | 77.07 | 1.298 | 0.19 | 0.062 | 0.118 |
| 90 | Bluetooth | DH5 1Mbps | Back | 15mm | Ant 12 | Full | 78 | 2480 | 17.33 | 19.00 | 1.469 | 77.07 | 1.298 | -0.01 | 0.089 | 0.170 |
| | Bluetooth | DH5 1Mbps | Back | 15mm | Ant 12 | Full | 0 | 2402 | 17.26 | 19.00 | 1.493 | 77.07 | 1.298 | 0.1 | 0.085 | 0.165 |
| | Bluetooth | DH5 1Mbps | Back | 15mm | Ant 12 | Full | 39 | 2441 | 17.17 | 19.00 | 1.524 | 77.07 | 1.298 | -0.06 | 0.084 | 0.166 |
| | Bluetooth | DH5 1Mbps | Back | 15mm | Ant 12 | BT+2.4G/5G/6G WWAN+BT | 78 | 2480 | 12.80 | 14.00 | 1.318 | 77.07 | 1.298 | 0.01 | 0.027 | 0.047 |
| | Bluetooth | DH5 1Mbps | Back | 15mm | Ant 12 | BT+2.4G+5G/6G/WWAN+ 2.4G/5G/6G+BT/WWAN+ 2.4G+5G/6G | 78 | 2480 | 10.20 | 12.00 | 1.514 | 77.07 | 1.298 | 0.03 | 0.014 | 0.028 |
| | Bluetooth | DH5 1Mbps | Back | 15mm | Ant 12 | WWAN+2.4G+5G/6G+BT | 78 | 2480 | 9.20 | 11.00 | 1.514 | 77.07 | 1.298 | 0.05 | 0.009 | 0.018 |
| | Bluetooth | DH5 1Mbps | Front | 15mm | Ant 7 | Full | 78 | 2480 | 17.73 | 19.00 | 1.340 | 77.07 | 1.298 | -0.09 | 0.040 | 0.070 |
| | Bluetooth | DH5 1Mbps | Back | 15mm | Ant 7 | Full | 78 | 2480 | 17.73 | 19.00 | 1.340 | 77.07 | 1.298 | -0.05 | 0.071 | 0.123 |
| | Bluetooth | DH5 1Mbps | Back | 15mm | Ant 7 | Full | 0 | 2402 | 17.72 | 19.00 | 1.343 | 77.07 | 1.298 | 0.17 | 0.045 | 0.078 |
| | Bluetooth | DH5 1Mbps | Back | 15mm | Ant 7 | Full | 39 | 2441 | 17.70 | 19.00 | 1.349 | 77.07 | 1.298 | 0.09 | 0.048 | 0.084 |
| | Bluetooth | DH5 1Mbps | Back | 15mm | Ant 7 | BT+2.4G/5G/6G WWAN+BT | 78 | 2480 | 12.82 | 14.00 | 1.312 | 77.07 | 1.298 | 0.03 | 0.014 | 0.023 |
| | Bluetooth | DH5 1Mbps | Back | 15mm | Ant 7 | BT+2.4G+5G/6G/WWAN+ 2.4G/5G/6G+BT/ WWAN+2.4G+5G/6G | 78 | 2480 | 10.30 | 12.00 | 1.479 | 77.07 | 1.298 | 0.09 | 0.007 | 0.012 |
| | Bluetooth | DH5 1Mbps | Back | 15mm | Ant 7 | WWAN+2.4G+5G/6G+BT | 78 | 2480 | 9.30 | 11.00 | 1.479 | 77.07 | 1.298 | 0.01 | 0.005 | 0.010 |
| | WLAN5.3GHz | 802.11ac-VHT160 MCS0 | Front | 15mm | Ant 10+13 | Full | 50 | 5250 | 20.22 | 22.00 | 1.507 | 99.63 | 1.004 | -0.17 | 0.078 | 0.118 |
| 91 | WLAN5.3GHz | 802.11ac-VHT160 MCS0 | Back | 15mm | Ant 10+13 | Full | 50 | 5250 | 20.22 | 22.00 | 1.507 | 99.63 | 1.004 | -0.18 | 0.276 | 0.417 |
| | WLAN5.3GHz | 802.11ac-VHT160 MCS0 | Back | 15mm | Ant 10+13 | 2.4G+5G/WWAN+5G/5G+BT /WWAN+2.4G/5G | 50 | 5250 | 17.73 | 19.50 | 1.503 | 99.63 | 1.004 | -0.05 | 0.173 | 0.261 |
| | WLAN5.3GHz | 802.11ac-VHT160 MCS0 | Back | 15mm | Ant 10+13 | WWAN+2.4G+5G+BT | 50 | 5250 | 14.76 | 16.50 | 1.493 | 99.63 | 1.004 | 0.1 | 0.084 | 0.126 |
| | WLAN5.5GHz | 802.11ac-VHT160 MCS0 | Front | 15mm | Ant 10+13 | Full | 114 | 5570 | 17.79 | 19.50 | 1.483 | 99.63 | 1.004 | -0.15 | 0.060 | 0.089 |
| 92 | WLAN5.5GHz | 802.11ac-VHT160 MCS0 | Back | 15mm | Ant 10+13 | Full | 114 | 5570 | 17.79 | 19.50 | 1.483 | 99.63 | 1.004 | 0.14 | 0.550 | 0.819 |
| | WLAN5.5GHz | 802.11ac-VHT160 MCS0 | Back | 15mm | Ant 10+13 | 2.4G+5G/WWAN+5G/5G+BT /WWAN+2.4G/5G | 114 | 5570 | 15.73 | 17.50 | 1.503 | 99.63 | 1.004 | 0.05 | 0.343 | 0.517 |
| | WLAN5.5GHz | 802.11ac-VHT160 MCS0 | Back | 15mm | Ant 10+13 | WWAN+2.4G+5G+BT | 114 | 5570 | 13.18 | 15.00 | 1.520 | 99.63 | 1.004 | 0.01 | 0.189 | 0.288 |
| | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Front | 15mm | Ant 10+13 | Full | 155 | 5775 | 17.08 | 19.00 | 1.556 | 99.63 | 1.004 | -0.09 | 0.069 | 0.108 |
| 93 | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Back | 15mm | Ant 10+13 | Full | 155 | 5775 | 17.08 | 19.00 | 1.556 | 99.63 | 1.004 | 0.07 | 0.685 | 1.070 |
| | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Back | 15mm | Ant 10+13 | 2.4G+5G/WWAN+5G/5G+BT /WWAN+2.4G/5G | 155 | 5775 | 14.78 | 16.00 | 1.326 | 99.63 | 1.004 | -0.04 | 0.402 | 0.535 |
| | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Back | 15mm | Ant 10+13 | WWAN+2.4G+5G+BT | 155 | 5775 | 12.34 | 14.00 | 1.465 | 99.63 | 1.004 | 0.01 | 0.220 | 0.324 |



18.4 Product Specific SAR

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Mode | Test Position | Gap (mm) | Antenna | 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) |
|----------------|-------------|----------|------------|---------|-----------|--------------|---------------|----------|---------|-------------|--------|-------------|---------------------|---------------------|------------------------|------------------|-------------------------|-------------------------|
| 835MHz | | | | | | | | | | | | | | | | | | |
| 95 | LTE Band 26 | 15M | QPSK | 1 | 0 | | Left Side | 0mm | Ant 0 | DSI 4 | 26865 | 831.5 | 23.55 | 24.30 | 1.189 | -0.03 | 1.210 | 1.438 |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | | Left Side | 0mm | Ant 0 | DSI 4 | 26765 | 821.5 | 23.41 | 24.30 | 1.227 | 0.01 | 0.959 | 1.177 |
| | LTE Band 26 | 15M | QPSK | 1 | 0 | | Left Side | 0mm | Ant 0 | DSI 4 | 26965 | 841.5 | 23.43 | 24.30 | 1.222 | -0.08 | 1.030 | 1.258 |
| | LTE Band 26 | 15M | QPSK | 36 | 0 | | Left Side | 0mm | Ant 0 | DSI 4 | 26865 | 831.5 | 22.76 | 23.30 | 1.132 | -0.08 | 1.060 | 1.200 |
| 1750MHz | | | | | | | | | | | | | | | | | | |
| | WCDMA IV | | | | | RMC 12.2Kbps | Bottom Side | 0mm | Ant 5 | DSI 4 | 1413 | 1732.6 | 23.96 | 24.80 | 1.213 | 0.09 | 1.940 | 2.354 |
| 96 | WCDMA IV | | | | | RMC 12.2Kbps | Bottom Side | 0mm | Ant 5 | DSI 4 | 1312 | 1712.4 | 23.90 | 24.80 | 1.230 | 0.15 | 1.980 | 2.436 |
| | WCDMA IV | | | | | RMC 12.2Kbps | Bottom Side | 0mm | Ant 5 | DSI 4 | 1513 | 1752.6 | 23.94 | 24.80 | 1.219 | -0.1 | 1.880 | 2.292 |
| | WCDMA IV | | | | | RMC 12.2Kbps | Bottom Side | 0mm | Ant 5 | DSI 9/14 | 1312 | 1712.4 | 19.80 | 20.80 | 1.259 | 0.15 | 0.986 | 1.241 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | | Bottom Side | 0mm | Ant 5 | DSI 4 | 132322 | 1745 | 23.99 | 24.80 | 1.205 | 0.13 | 2.000 | 2.410 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | | Bottom Side | 0mm | Ant 5 | DSI 4 | 132072 | 1720 | 23.79 | 24.80 | 1.262 | 0.06 | 1.990 | 2.511 |
| 97 | LTE Band 66 | 20M | QPSK | 1 | 0 | | Bottom Side | 0mm | Ant 5 | DSI 4 | 132572 | 1770 | 23.89 | 24.80 | 1.233 | 0.06 | 2.060 | 2.540 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | | Bottom Side | 0mm | Ant 5 | DSI 9/14 | 132572 | 1770 | 20.33 | 21.30 | 1.250 | 0.06 | 1.090 | 1.363 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | | Bottom Side | 0mm | Ant 5 | DSI 4 | 132322 | 1745 | 22.99 | 23.80 | 1.205 | 0.12 | 1.850 | 2.229 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | | Bottom Side | 0mm | Ant 5 | DSI 4 | 132072 | 1720 | 22.94 | 23.80 | 1.219 | 0.03 | 1.910 | 2.328 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | | Bottom Side | 0mm | Ant 5 | DSI 4 | 132572 | 1770 | 22.94 | 23.80 | 1.219 | 0.03 | 2.020 | 2.462 |
| | LTE Band 66 | 20M | QPSK | 100 | 0 | | Bottom Side | 0mm | Ant 5 | DSI 4 | 132322 | 1745 | 22.96 | 23.80 | 1.213 | 0.05 | 1.990 | 2.415 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | | Front | 0mm | Ant 6 | DSI 1 | 132322 | 1745 | 20.92 | 21.80 | 1.225 | 0.11 | 1.740 | 2.131 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | | Front | 0mm | Ant 6 | DSI 1 | 132072 | 1720 | 20.89 | 21.80 | 1.233 | -0.11 | 1.660 | 2.047 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | | Front | 0mm | Ant 6 | DSI 1 | 132572 | 1770 | 20.82 | 21.80 | 1.253 | 0.06 | 1.540 | 1.930 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | | Back | 0mm | Ant 6 | DSI 1 | 132322 | 1745 | 20.92 | 21.80 | 1.225 | 0.09 | 1.030 | 1.261 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | | Top Side | 0mm | Ant 6 | DSI 1 | 132322 | 1745 | 20.92 | 21.80 | 1.225 | 0.15 | 1.400 | 1.714 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | | Front | 0mm | Ant 6 | DSI 6/11 | 132322 | 1745 | 18.55 | 19.30 | 1.189 | 0.11 | 1.080 | 1.284 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | | Front | 11mm | Ant 6 | DSI 4 | 132322 | 1745 | 23.35 | 24.80 | 1.396 | 0.05 | 0.229 | 0.320 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | | Top Side | 11mm | Ant 6 | DSI 4 | 132322 | 1745 | 23.35 | 24.80 | 1.396 | 0.12 | 0.289 | 0.404 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | | Back | 15mm | Ant 6 | DSI 4 | 132322 | 1745 | 23.35 | 24.80 | 1.396 | 0.07 | 0.132 | 0.184 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | | Front | 0mm | Ant 6 | DSI 1 | 132322 | 1745 | 20.88 | 21.80 | 1.236 | -0.08 | 1.700 | 2.101 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | | Front | 0mm | Ant 6 | DSI 1 | 132072 | 1720 | 20.80 | 21.80 | 1.259 | -0.08 | 1.610 | 2.027 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | | Front | 0mm | Ant 6 | DSI 1 | 132572 | 1770 | 20.82 | 21.80 | 1.253 | 0.01 | 1.480 | 1.855 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | | Back | 0mm | Ant 6 | DSI 1 | 132322 | 1745 | 20.88 | 21.80 | 1.236 | 0.15 | 0.977 | 1.208 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | | Top Side | 0mm | Ant 6 | DSI 1 | 132322 | 1745 | 20.88 | 21.80 | 1.236 | -0.1 | 1.320 | 1.631 |
| | LTE Band 66 | 20M | QPSK | 100 | 0 | | Front | 0mm | Ant 6 | DSI 1 | 132322 | 1745 | 20.82 | 21.80 | 1.253 | 0.05 | 1.670 | 2.093 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | | Right Side | 0mm | Ant 7 | DSI 4 | 132322 | 1745 | 23.07 | 24.30 | 1.327 | 0.05 | 1.710 | 2.270 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | | Right Side | 0mm | Ant 7 | DSI 4 | 132072 | 1720 | 22.96 | 24.30 | 1.361 | 0.09 | 1.510 | 2.056 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | | Right Side | 0mm | Ant 7 | DSI 4 | 132572 | 1770 | 22.93 | 24.30 | 1.371 | 0.01 | 1.600 | 2.193 |
| | LTE Band 66 | 20M | QPSK | 1 | 0 | | Right Side | 0mm | Ant 7 | DSI 9/14 | 132322 | 1745 | 21.13 | 22.30 | 1.309 | 0.03 | 1.020 | 1.335 |
| | LTE Band 66 | 20M | QPSK | 50 | 0 | | Right Side | 0mm | Ant 7 | DSI 4 | 132322 | 1745 | 22.13 | 23.30 | 1.309 | 0.03 | 1.360 | 1.780 |
| | LTE Band 66 | 20M | QPSK | 100 | 0 | | Right Side | 0mm | Ant 7 | DSI 4 | 132322 | 1745 | 22.06 | 23.30 | 1.330 | 0.01 | 1.390 | 1.849 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Bottom Side | 0mm | Ant 5 | DSI 4 | 349000 | 1745 | 24.30 | 25.20 | 1.230 | -0.15 | 1.950 | 2.399 |
| 98 | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Bottom Side | 0mm | Ant 5 | DSI 4 | 349000 | 1745 | 24.28 | 25.20 | 1.236 | -0.06 | 1.960 | 2.422 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Bottom Side | 0mm | Ant 5 | DSI 9/14 | 349000 | 1745 | 20.38 | 21.20 | 1.208 | -0.06 | 0.910 | 1.099 |
| | n66 | 40M | QPSK | 216 | 0 | DFT-15 | Bottom Side | 0mm | Ant 5 | DSI 4 | 349000 | 1745 | 23.25 | 24.20 | 1.245 | -0.03 | 1.910 | 2.377 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 0mm | Ant 6 | DSI 1 | 349000 | 1745 | 20.62 | 21.70 | 1.282 | 0.08 | 1.820 | 2.334 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 0mm | Ant 6 | DSI 1 | 349000 | 1745 | 20.62 | 21.70 | 1.282 | -0.06 | 0.904 | 1.159 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Top Side | 0mm | Ant 6 | DSI 1 | 349000 | 1745 | 20.62 | 21.70 | 1.282 | 0.11 | 1.450 | 1.859 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 0mm | Ant 6 | DSI 6/11 | 349000 | 1745 | 18.20 | 19.20 | 1.259 | 0.08 | 0.890 | 1.120 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 11mm | Ant 6 | DSI 4 | 349000 | 1745 | 23.60 | 24.70 | 1.288 | 0.02 | 0.440 | 0.567 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Top Side | 11mm | Ant 6 | DSI 4 | 349000 | 1745 | 23.60 | 24.70 | 1.288 | 0.01 | 0.566 | 0.729 |
| | n66 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 15mm | Ant 6 | DSI 4 | 349000 | 1745 | 23.60 | 24.70 | 1.288 | 0.08 | 0.272 | 0.350 |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 0mm | Ant 6 | DSI 1 | 349000 | 1745 | 20.60 | 21.70 | 1.288 | 0.12 | 1.800 | 2.319 |



FCC SAR TEST REPORT

Report No. : FA2O2001

| | | | | | | | | | | | | | | | | | | | |
|----------------|-------------|-----|------|-----|----|--------------|-------------|------|-------|----------|--------|--------|-------|-------|-------|-------|-------|--------------|--|
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 0mm | Ant 6 | DSI 1 | 349000 | 1745 | 20.60 | 21.70 | 1.288 | 0.15 | 0.890 | 1.147 | |
| | n66 | 40M | QPSK | 108 | 54 | DFT-15 | Top Side | 0mm | Ant 6 | DSI 1 | 349000 | 1745 | 20.60 | 21.70 | 1.288 | 0.07 | 1.350 | 1.739 | |
| | n66 | 40M | QPSK | 216 | 0 | DFT-15 | Front | 0mm | Ant 6 | DSI 1 | 349000 | 1745 | 20.41 | 21.70 | 1.346 | 0.08 | 1.570 | 2.113 | |
| 1900MHz | | | | | | | | | | | | | | | | | | | |
| | WCDMA II | | | | | RMC 12.2Kbps | Bottom Side | 0mm | Ant 5 | DSI 4 | 9400 | 1880 | 23.86 | 24.80 | 1.242 | -0.08 | 1.620 | 2.011 | |
| | WCDMA II | | | | | RMC 12.2Kbps | Bottom Side | 0mm | Ant 5 | DSI 4 | 9262 | 1852.4 | 23.82 | 24.80 | 1.253 | -0.11 | 1.570 | 1.967 | |
| 99 | WCDMA II | | | | | RMC 12.2Kbps | Bottom Side | 0mm | Ant 5 | DSI 4 | 9538 | 1907.6 | 23.81 | 24.80 | 1.256 | 0.01 | 1.780 | 2.236 | |
| | WCDMA II | | | | | RMC 12.2Kbps | Bottom Side | 0mm | Ant 5 | DSI 9/14 | 9538 | 1907.6 | 19.36 | 20.30 | 1.242 | 0.06 | 0.903 | 1.121 | |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | | Bottom Side | 0mm | Ant 5 | DSI 4 | 26340 | 1880 | 23.92 | 24.80 | 1.225 | 0.13 | 2.150 | 2.633 | |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | | Bottom Side | 0mm | Ant 5 | DSI 4 | 26140 | 1860 | 23.85 | 24.80 | 1.245 | 0.15 | 1.830 | 2.277 | |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | | Bottom Side | 0mm | Ant 5 | DSI 4 | 26590 | 1905 | 23.84 | 24.80 | 1.247 | -0.08 | 2.010 | 2.507 | |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | | Bottom Side | 0mm | Ant 5 | DSI 9/14 | 26340 | 1880 | 20.45 | 21.30 | 1.216 | 0.13 | 1.080 | 1.313 | |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | | Bottom Side | 0mm | Ant 5 | DSI 4 | 26340 | 1880 | 22.98 | 23.80 | 1.208 | -0.09 | 1.920 | 2.319 | |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | | Bottom Side | 0mm | Ant 5 | DSI 4 | 26140 | 1860 | 22.96 | 23.80 | 1.213 | 0.09 | 1.890 | 2.293 | |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | | Bottom Side | 0mm | Ant 5 | DSI 4 | 26590 | 1905 | 22.90 | 23.80 | 1.230 | 0.16 | 1.910 | 2.350 | |
| | LTE Band 25 | 20M | QPSK | 100 | 0 | | Bottom Side | 0mm | Ant 5 | DSI 4 | 26340 | 1880 | 22.89 | 23.80 | 1.233 | -0.09 | 1.730 | 2.133 | |
| 100 | LTE Band 25 | 20M | QPSK | 1 | 0 | | Front | 0mm | Ant 6 | DSI 1 | 26340 | 1880 | 22.03 | 22.80 | 1.194 | -0.08 | 2.310 | 2.758 | |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | | Front | 0mm | Ant 6 | DSI 1 | 26140 | 1860 | 21.90 | 22.80 | 1.230 | -0.06 | 2.220 | 2.731 | |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | | Front | 0mm | Ant 6 | DSI 1 | 26590 | 1905 | 21.91 | 22.80 | 1.227 | 0.07 | 2.200 | 2.700 | |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | | Back | 0mm | Ant 6 | DSI 1 | 26340 | 1880 | 22.03 | 22.80 | 1.194 | 0.14 | 1.240 | 1.481 | |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | | Top Side | 0mm | Ant 6 | DSI 1 | 26340 | 1880 | 22.03 | 22.80 | 1.194 | -0.13 | 1.610 | 1.922 | |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | | Front | 0mm | Ant 6 | DSI 6/11 | 26340 | 1880 | 19.10 | 19.80 | 1.175 | -0.08 | 1.210 | 1.422 | |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | | Front | 11mm | Ant 6 | DSI 4 | 26340 | 1880 | 23.56 | 24.30 | 1.186 | 0.07 | 0.317 | 0.376 | |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | | Top Side | 11mm | Ant 6 | DSI 4 | 26340 | 1880 | 23.56 | 24.30 | 1.186 | 0.12 | 0.459 | 0.544 | |
| | LTE Band 25 | 20M | QPSK | 1 | 0 | | Back | 15mm | Ant 6 | DSI 4 | 26340 | 1880 | 23.56 | 24.30 | 1.186 | 0.11 | 0.226 | 0.268 | |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | | Front | 0mm | Ant 6 | DSI 1 | 26340 | 1880 | 21.92 | 22.80 | 1.225 | -0.16 | 2.210 | 2.706 | |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | | Front | 0mm | Ant 6 | DSI 1 | 26140 | 1860 | 21.84 | 22.80 | 1.247 | 0.05 | 2.090 | 2.607 | |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | | Front | 0mm | Ant 6 | DSI 1 | 26590 | 1905 | 21.84 | 22.80 | 1.247 | 0.05 | 2.100 | 2.620 | |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | | Back | 0mm | Ant 6 | DSI 1 | 26340 | 1880 | 21.92 | 22.80 | 1.225 | -0.05 | 1.150 | 1.408 | |
| | LTE Band 25 | 20M | QPSK | 50 | 0 | | Top Side | 0mm | Ant 6 | DSI 1 | 26340 | 1880 | 21.92 | 22.80 | 1.225 | -0.14 | 1.520 | 1.861 | |
| | LTE Band 25 | 20M | QPSK | 100 | 0 | | Front | 0mm | Ant 6 | DSI 1 | 26340 | 1880 | 21.87 | 22.80 | 1.239 | -0.16 | 2.090 | 2.589 | |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Bottom Side | 0mm | Ant 5 | DSI 4 | 376500 | 1882.5 | 24.25 | 25.20 | 1.245 | 0.02 | 1.830 | 2.277 | |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Bottom Side | 0mm | Ant 5 | DSI 4 | 376500 | 1882.5 | 24.24 | 25.20 | 1.247 | 0.09 | 1.940 | 2.420 | |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Bottom Side | 0mm | Ant 5 | DSI 9/14 | 376500 | 1882.5 | 20.30 | 21.20 | 1.230 | 0.11 | 1.150 | 1.415 | |
| | n25 | 40M | QPSK | 216 | 0 | DFT-15 | Bottom Side | 0mm | Ant 5 | DSI 4 | 376500 | 1882.5 | 23.22 | 24.20 | 1.253 | 0.06 | 1.850 | 2.318 | |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 0mm | Ant 6 | DSI 1 | 376500 | 1882.5 | 21.90 | 22.70 | 1.202 | 0.09 | 2.080 | 2.501 | |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 0mm | Ant 6 | DSI 1 | 376500 | 1882.5 | 21.90 | 22.70 | 1.202 | -0.08 | 1.280 | 1.539 | |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Top Side | 0mm | Ant 6 | DSI 1 | 376500 | 1882.5 | 21.90 | 22.70 | 1.202 | -0.03 | 1.760 | 2.116 | |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 11mm | Ant 6 | DSI 4 | 376500 | 1882.5 | 23.90 | 24.70 | 1.202 | 0.1 | 0.436 | 0.524 | |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Top Side | 11mm | Ant 6 | DSI 4 | 376500 | 1882.5 | 23.90 | 24.70 | 1.202 | 0.08 | 0.637 | 0.766 | |
| | n25 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 15mm | Ant 6 | DSI 4 | 376500 | 1882.5 | 23.90 | 24.70 | 1.202 | 0.02 | 0.309 | 0.371 | |
| 101 | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 0mm | Ant 6 | DSI 1 | 376500 | 1882.5 | 21.77 | 22.70 | 1.239 | 0.16 | 2.190 | 2.713 | |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 0mm | Ant 6 | DSI 1 | 376500 | 1882.5 | 21.77 | 22.70 | 1.239 | -0.03 | 1.310 | 1.623 | |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Top Side | 0mm | Ant 6 | DSI 1 | 376500 | 1882.5 | 21.77 | 22.70 | 1.239 | 0.08 | 1.790 | 2.217 | |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 11mm | Ant 6 | DSI 4 | 376500 | 1882.5 | 23.84 | 24.70 | 1.219 | 0.1 | 0.440 | 0.536 | |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Top Side | 11mm | Ant 6 | DSI 4 | 376500 | 1882.5 | 23.84 | 24.70 | 1.219 | 0.08 | 0.642 | 0.783 | |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 15mm | Ant 6 | DSI 4 | 376500 | 1882.5 | 23.84 | 24.70 | 1.219 | 0.02 | 0.316 | 0.385 | |
| | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 0mm | Ant 6 | DSI 6/11 | 376500 | 1882.5 | 19.43 | 20.20 | 1.194 | -0.07 | 1.240 | 1.481 | |
| | n25 | 40M | QPSK | 216 | 0 | DFT-15 | Front | 0mm | Ant 6 | DSI 1 | 376500 | 1882.5 | 21.66 | 22.70 | 1.271 | 0.16 | 1.990 | 2.528 | |
| | n25 | 40M | QPSK | 216 | 0 | DFT-15 | Top Side | 0mm | Ant 6 | DSI 1 | 376500 | 1882.5 | 21.66 | 22.70 | 1.271 | -0.08 | 1.650 | 2.096 | |
| 2300MHz | | | | | | | | | | | | | | | | | | | |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | | Left Side | 0mm | Ant 4 | DSI 1 | 27710 | 2310 | 19.51 | 20.40 | 1.227 | 0.08 | 1.920 | 2.357 | |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | | Left Side | 12mm | Ant 4 | DSI 4 | 27710 | 2310 | 22.40 | 22.90 | 1.122 | 0.06 | 0.325 | 0.365 | |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | | Left Side | 0mm | Ant 4 | DSI 6/11 | 27710 | 2310 | 16.92 | 17.90 | 1.253 | 0.08 | 0.956 | 1.198 | |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | | Left Side | 0mm | Ant 4 | DSI 1 | 27710 | 2310 | 19.45 | 20.40 | 1.245 | 0.05 | 1.800 | 2.240 | |
| | LTE Band 30 | 10M | QPSK | 50 | 0 | | Left Side | 0mm | Ant 4 | DSI 1 | 27710 | 2310 | 19.43 | 20.40 | 1.250 | 0.01 | 1.750 | 2.188 | |



FCC SAR TEST REPORT

Report No. : FA2O2001

| | | | | | | | | | | | | | | | | | | |
|-----|-------------|-----|------|----|----|--------|-------------|------|-------|----------|--------|------|-------|-------|-------|-------|-------|-------|
| | LTE Band 30 | 10M | QPSK | 1 | 0 | | Bottom Side | 0mm | Ant 5 | DSI 4 | 27710 | 2310 | 23.68 | 24.30 | 1.153 | -0.08 | 1.980 | 2.284 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | | Bottom Side | 0mm | Ant 5 | DSI 9/14 | 27710 | 2310 | 18.00 | 18.80 | 1.202 | 0.11 | 1.010 | 1.214 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | | Bottom Side | 0mm | Ant 5 | DSI 4 | 27710 | 2310 | 22.76 | 23.30 | 1.132 | 0.12 | 1.930 | 2.186 |
| | LTE Band 30 | 10M | QPSK | 50 | 0 | | Bottom Side | 0mm | Ant 5 | DSI 4 | 27710 | 2310 | 22.69 | 23.30 | 1.151 | 0.12 | 1.890 | 2.175 |
| 102 | LTE Band 30 | 10M | QPSK | 1 | 0 | | Top Side | 0mm | Ant 6 | DSI 1 | 27710 | 2310 | 20.45 | 21.30 | 1.216 | 0.04 | 2.110 | 2.566 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | | Top Side | 11mm | Ant 6 | DSI 4 | 27710 | 2310 | 22.90 | 23.80 | 1.230 | 0.00 | 0.344 | 0.423 |
| | LTE Band 30 | 10M | QPSK | 1 | 0 | | Top Side | 0mm | Ant 6 | DSI 6/11 | 27710 | 2310 | 18.02 | 18.80 | 1.197 | -0.12 | 1.130 | 1.352 |
| | LTE Band 30 | 10M | QPSK | 25 | 0 | | Top Side | 0mm | Ant 6 | DSI 1 | 27710 | 2310 | 20.32 | 21.30 | 1.253 | 0.03 | 1.800 | 2.256 |
| | LTE Band 30 | 10M | QPSK | 50 | 0 | | Top Side | 0mm | Ant 6 | DSI 1 | 27710 | 2310 | 20.30 | 21.30 | 1.259 | 0.03 | 1.750 | 2.203 |
| | n30 | 10M | QPSK | 1 | 1 | DFT-15 | Left Side | 0mm | Ant 4 | DSI 1 | 462000 | 2310 | 20.90 | 21.70 | 1.202 | 0.02 | 2.140 | 2.573 |
| | n30 | 10M | QPSK | 1 | 1 | DFT-15 | Left Side | 12mm | Ant 4 | DSI 4 | 462000 | 2310 | 22.95 | 23.70 | 1.189 | 0.05 | 0.337 | 0.401 |
| | n30 | 10M | QPSK | 1 | 1 | DFT-15 | Left Side | 0mm | Ant 4 | DSI 6/11 | 462000 | 2310 | 18.42 | 19.20 | 1.197 | 0.06 | 1.100 | 1.316 |
| | n30 | 10M | QPSK | 25 | 14 | DFT-15 | Left Side | 0mm | Ant 4 | DSI 1 | 462000 | 2310 | 20.88 | 21.70 | 1.208 | 0.01 | 2.100 | 2.536 |
| | n30 | 10M | QPSK | 50 | 0 | DFT-15 | Left Side | 0mm | Ant 4 | DSI 1 | 462000 | 2310 | 20.86 | 21.70 | 1.213 | 0.01 | 2.030 | 2.463 |
| | n30 | 10M | QPSK | 1 | 1 | DFT-15 | Bottom Side | 0mm | Ant 5 | DSI 4 | 462000 | 2310 | 24.13 | 24.70 | 1.140 | -0.14 | 2.110 | 2.406 |
| 103 | n30 | 10M | QPSK | 25 | 14 | DFT-15 | Bottom Side | 0mm | Ant 5 | DSI 4 | 462000 | 2310 | 24.00 | 24.70 | 1.175 | -0.11 | 2.290 | 2.691 |
| | n30 | 10M | QPSK | 25 | 14 | DFT-15 | Bottom Side | 0mm | Ant 5 | DSI 9/14 | 462000 | 2310 | 18.63 | 19.20 | 1.140 | 0.02 | 1.310 | 1.494 |
| | n30 | 10M | QPSK | 50 | 0 | DFT-15 | Bottom Side | 0mm | Ant 5 | DSI 4 | 462000 | 2310 | 21.93 | 23.70 | 1.503 | 0.06 | 1.720 | 2.585 |



FCC SAR TEST REPORT

Report No. : FA2O2001

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Mode | Test Position | Gap (mm) | 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 10g SAR (W/kg) | Reported 10g SAR (W/kg) |
|----------------|------------------|----------|------------|---------|-----------|------|---------------|----------|---------|-------------|-------------|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|-------------------------|-------------------------|
| 2600MHz | | | | | | | | | | | | | | | | | | | | |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Left Side | 0mm | Ant 4 | DSI 1 | 21100 | 2535 | 20.90 | 21.20 | 1.072 | - | - | 0.02 | 2.110 | 2.261 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Left Side | 0mm | Ant 4 | DSI 1 | 20850 | 2510 | 20.75 | 21.20 | 1.109 | - | - | 0.03 | 1.880 | 2.085 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Left Side | 0mm | Ant 4 | DSI 1 | 21350 | 2560 | 20.85 | 21.20 | 1.084 | - | - | 0.06 | 1.950 | 2.114 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Left Side | 0mm | Ant 4 | DSI 6/11 | 21100 | 2535 | 17.96 | 18.70 | 1.186 | - | - | -0.11 | 1.070 | 1.269 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Left Side | 12mm | Ant 4 | DSI 4 | 21100 | 2535 | 22.45 | 22.70 | 1.059 | - | - | 0.01 | 0.349 | 0.370 |
| | LTE Band 7C | 20M | QPSK | 1 | 0 | - | Left Side | 0mm | Ant 4 | DSI 1 | 21350+21152 | 2560+2540.2 | 20.55 | 21.20 | 1.161 | - | - | 0.02 | 1.790 | 2.079 |
| | LTE Band 7C | 20M | QPSK | 1 | 0 | - | Left Side | 0mm | Ant 4 | DSI 6/11 | 21350+21152 | 2560+2540.2 | 17.90 | 18.70 | 1.202 | - | - | 0.01 | 0.953 | 1.146 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Left Side | 0mm | Ant 4 | DSI 1 | 21100 | 2535 | 20.82 | 21.20 | 1.091 | - | - | 0.08 | 1.950 | 2.128 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Left Side | 0mm | Ant 4 | DSI 1 | 20850 | 2510 | 20.73 | 21.20 | 1.114 | - | - | 0.03 | 1.700 | 1.894 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Left Side | 0mm | Ant 4 | DSI 1 | 21350 | 2560 | 20.69 | 21.20 | 1.125 | - | - | 0.06 | 1.830 | 2.058 |
| | LTE Band 7 | 20M | QPSK | 100 | 0 | - | Left Side | 0mm | Ant 4 | DSI 1 | 21100 | 2535 | 20.77 | 21.20 | 1.104 | - | - | 0.08 | 1.880 | 2.076 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 4 | 21100 | 2535 | 23.58 | 24.10 | 1.127 | - | - | -0.13 | 2.220 | 2.502 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 4 | 20850 | 2510 | 23.52 | 24.10 | 1.143 | - | - | -0.09 | 2.150 | 2.457 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 4 | 21350 | 2560 | 23.55 | 24.10 | 1.135 | - | - | -0.02 | 2.130 | 2.418 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 9/14 | 21100 | 2535 | 18.51 | 19.30 | 1.199 | - | - | -0.04 | 1.140 | 1.367 |
| | LTE Band 7C | 20M | QPSK | 1 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 4 | 21350+21152 | 2560+2540.2 | 23.25 | 24.10 | 1.216 | - | - | 0.03 | 2.000 | 2.432 |
| | LTE Band 7C | 20M | QPSK | 1 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 9/14 | 21350+21152 | 2560+2540.2 | 18.13 | 19.30 | 1.309 | - | - | 0.05 | 0.976 | 1.278 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 4 | 21100 | 2535 | 22.60 | 23.10 | 1.122 | - | - | 0.13 | 2.170 | 2.435 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 4 | 20850 | 2510 | 22.51 | 23.10 | 1.146 | - | - | -0.07 | 2.040 | 2.337 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 4 | 21350 | 2560 | 22.54 | 23.10 | 1.138 | - | - | -0.06 | 2.020 | 2.298 |
| | LTE Band 7 | 20M | QPSK | 100 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 4 | 21100 | 2535 | 22.58 | 23.10 | 1.127 | - | - | 0.13 | 2.070 | 2.333 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Front | 0mm | Ant 6 | DSI 1 | 21100 | 2535 | 19.47 | 20.30 | 1.211 | - | - | 0.08 | 1.720 | 2.082 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Front | 0mm | Ant 6 | DSI 1 | 20850 | 2510 | 19.42 | 20.30 | 1.225 | - | - | 0.03 | 1.870 | 2.290 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Front | 0mm | Ant 6 | DSI 1 | 21350 | 2560 | 19.40 | 20.30 | 1.230 | - | - | -0.16 | 1.640 | 2.018 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Back | 0mm | Ant 6 | DSI 1 | 21100 | 2535 | 19.47 | 20.30 | 1.211 | - | - | -0.05 | 0.817 | 0.989 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Top Side | 0mm | Ant 6 | DSI 1 | 21100 | 2535 | 19.47 | 20.30 | 1.211 | - | - | 0.15 | 2.090 | 2.530 |
| 104 | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Top Side | 0mm | Ant 6 | DSI 1 | 20850 | 2510 | 19.42 | 20.30 | 1.225 | - | - | 0.16 | 2.190 | 2.682 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Top Side | 0mm | Ant 6 | DSI 1 | 21350 | 2560 | 19.40 | 20.30 | 1.230 | - | - | 0.06 | 1.850 | 2.276 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Top Side | 0mm | Ant 6 | DSI 6/11 | 20850 | 2510 | 16.98 | 17.80 | 1.208 | - | - | 0.16 | 1.190 | 1.437 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Front | 11mm | Ant 6 | DSI 4 | 20850 | 2510 | 22.69 | 23.80 | 1.291 | - | - | 0.12 | 0.207 | 0.267 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Back | 15mm | Ant 6 | DSI 4 | 21100 | 2535 | 22.80 | 23.80 | 1.259 | - | - | 0.05 | 0.147 | 0.185 |
| | LTE Band 7 | 20M | QPSK | 1 | 0 | - | Top Side | 11mm | Ant 6 | DSI 4 | 20850 | 2510 | 22.69 | 23.80 | 1.291 | - | - | 0.09 | 0.290 | 0.374 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Front | 0mm | Ant 6 | DSI 1 | 21100 | 2535 | 19.37 | 20.30 | 1.239 | - | - | -0.11 | 1.660 | 2.056 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Front | 0mm | Ant 6 | DSI 1 | 20850 | 2510 | 19.30 | 20.30 | 1.259 | - | - | -0.11 | 1.790 | 2.253 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Front | 0mm | Ant 6 | DSI 1 | 21350 | 2560 | 19.36 | 20.30 | 1.242 | - | - | 0.09 | 1.600 | 1.987 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Back | 0mm | Ant 6 | DSI 1 | 21100 | 2535 | 19.37 | 20.30 | 1.239 | - | - | -0.1 | 0.756 | 0.937 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Top Side | 0mm | Ant 6 | DSI 1 | 21100 | 2535 | 19.37 | 20.30 | 1.239 | - | - | 0.09 | 1.950 | 2.416 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Top Side | 0mm | Ant 6 | DSI 1 | 20850 | 2510 | 19.30 | 20.30 | 1.259 | - | - | -0.11 | 2.090 | 2.631 |
| | LTE Band 7 | 20M | QPSK | 50 | 0 | - | Top Side | 0mm | Ant 6 | DSI 1 | 21350 | 2560 | 19.36 | 20.30 | 1.242 | - | - | 0.09 | 1.780 | 2.210 |
| | LTE Band 7 | 20M | QPSK | 100 | 0 | - | Front | 0mm | Ant 6 | DSI 1 | 21100 | 2535 | 19.33 | 20.30 | 1.250 | - | - | 0.03 | 1.580 | 1.975 |
| | LTE Band 7 | 20M | QPSK | 100 | 0 | - | Back | 0mm | Ant 6 | DSI 1 | 21100 | 2535 | 19.33 | 20.30 | 1.250 | - | - | 0.09 | 0.776 | 0.970 |
| | LTE Band 7 | 20M | QPSK | 100 | 0 | - | Top Side | 0mm | Ant 6 | DSI 1 | 21100 | 2535 | 19.33 | 20.30 | 1.250 | - | - | 0.04 | 1.910 | 2.388 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 4 | 40620 | 2593 | 24.30 | 24.80 | 1.122 | 62.9 | 1.006 | 0.05 | 1.790 | 2.020 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 4 | 39750 | 2506 | 24.26 | 24.80 | 1.132 | 62.9 | 1.006 | -0.06 | 1.840 | 2.096 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 4 | 40185 | 2549.5 | 24.25 | 24.80 | 1.135 | 62.9 | 1.006 | 0.08 | 1.810 | 2.067 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 4 | 41055 | 2636.5 | 24.23 | 24.80 | 1.140 | 62.9 | 1.006 | -0.1 | 1.950 | 2.237 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 4 | 41490 | 2680 | 24.27 | 24.80 | 1.130 | 62.9 | 1.006 | 0.01 | 2.220 | 2.523 |
| | LTE Band 41C | 20M | QPSK | 1 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 4 | 41490+41292 | 2680+2660.2 | 23.97 | 24.80 | 1.211 | 62.9 | 1.006 | 0.03 | 2.050 | 2.497 |
| | LTE Band 41_PC2 | 20M | QPSK | 1 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 4 | 41490 | 2680 | 26.05 | 26.80 | 1.189 | 42.9 | 1.009 | -0.1 | 2.090 | 2.506 |
| | LTE Band 41C_PC2 | 20M | QPSK | 1 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 4 | 41490+41292 | 2680+2660.2 | 25.32 | 25.80 | 1.117 | 42.9 | 1.009 | 0.08 | 1.800 | 2.028 |



FCC SAR TEST REPORT

Report No. : FA2O2001

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|-----|------------------|------|------|-----|----|--------|-------------|------|-------|----------|-----------------|-----------------|-------|-------|-------|------|-------|-------|-------|-------|
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 9/14 | 41490 | 2680 | 19.52 | 20.30 | 1.197 | 62.9 | 1.006 | 0.01 | 0.950 | 1.144 |
| | LTE Band 41_PC2 | 20M | QPSK | 1 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 9/14 | 41490 | 2680 | 21.38 | 21.90 | 1.127 | 42.9 | 1.009 | -0.1 | 1.010 | 1.149 |
| | LTE Band 41C | 20M | QPSK | 1 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 9/14 | 41490+ 41292 | 2680+ 2660.2 | 19.51 | 20.30 | 1.199 | 62.9 | 1.006 | 0.09 | 0.859 | 1.037 |
| | LTE Band 41C_PC2 | 20M | QPSK | 1 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 9/14 | 41490+ 41292 | 2680+ 2660.2 | 20.98 | 21.90 | 1.236 | 42.9 | 1.009 | 0.04 | 0.906 | 1.130 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 4 | 40620 | 2593 | 23.25 | 23.80 | 1.135 | 62.9 | 1.006 | 0.05 | 1.610 | 1.838 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 4 | 39750 | 2506 | 23.21 | 23.80 | 1.146 | 62.9 | 1.006 | -0.06 | 1.700 | 1.959 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 4 | 40185 | 2549.5 | 23.23 | 23.80 | 1.140 | 62.9 | 1.006 | 0.08 | 1.740 | 1.996 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 4 | 41055 | 2636.5 | 23.20 | 23.80 | 1.148 | 62.9 | 1.006 | -0.1 | 1.800 | 2.079 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 4 | 41490 | 2680 | 23.24 | 23.80 | 1.138 | 62.9 | 1.006 | 0.01 | 1.970 | 2.255 |
| | LTE Band 41 | 20M | QPSK | 100 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 4 | 40620 | 2593 | 23.24 | 23.80 | 1.138 | 62.9 | 1.006 | 0.05 | 1.490 | 1.705 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Top Side | 0mm | Ant 6 | DSI 1 | 40620 | 2593 | 22.09 | 22.80 | 1.178 | 62.9 | 1.006 | -0.09 | 1.690 | 2.002 |
| 105 | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Top Side | 0mm | Ant 6 | DSI 1 | 39750 | 2506 | 22.04 | 22.80 | 1.191 | 62.9 | 1.006 | 0.1 | 2.290 | 2.744 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Top Side | 0mm | Ant 6 | DSI 1 | 40185 | 2549.5 | 21.95 | 22.80 | 1.216 | 62.9 | 1.006 | -0.02 | 2.070 | 2.533 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Top Side | 0mm | Ant 6 | DSI 1 | 41055 | 2636.5 | 21.93 | 22.80 | 1.222 | 62.9 | 1.006 | 0.06 | 1.710 | 2.102 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Top Side | 0mm | Ant 6 | DSI 1 | 41490 | 2680 | 22.00 | 22.80 | 1.202 | 62.9 | 1.006 | 0.07 | 1.680 | 2.032 |
| | LTE Band 41_PC2 | 20M | QPSK | 1 | 0 | - | Top Side | 0mm | Ant 6 | DSI 1 | 39750 | 2506 | 23.50 | 24.40 | 1.230 | 42.9 | 1.009 | -0.13 | 2.140 | 2.656 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Top Side | 0mm | Ant 6 | DSI 6/11 | 39750 | 2506 | 19.49 | 20.30 | 1.205 | 62.9 | 1.006 | 0.14 | 1.210 | 1.467 |
| | LTE Band 41_PC2 | 20M | QPSK | 1 | 0 | - | Top Side | 0mm | Ant 6 | DSI 6/11 | 39750 | 2506 | 21.36 | 21.90 | 1.132 | 42.9 | 1.009 | 0.01 | 1.200 | 1.371 |
| | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Top Side | 11mm | Ant 6 | DSI 4 | 39750 | 2506 | 23.56 | 24.30 | 1.186 | 62.9 | 1.006 | 0.02 | 0.243 | 0.290 |
| | LTE Band 41_PC2 | 20M | QPSK | 1 | 0 | - | Top Side | 11mm | Ant 6 | DSI 4 | 39750 | 2506 | 25.23 | 26.30 | 1.279 | 42.9 | 1.009 | 0.05 | 0.262 | 0.338 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Top Side | 0mm | Ant 6 | DSI 1 | 40620 | 2593 | 22.03 | 22.80 | 1.194 | 62.9 | 1.006 | 0.15 | 1.580 | 1.898 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Top Side | 0mm | Ant 6 | DSI 1 | 39750 | 2506 | 21.92 | 22.80 | 1.225 | 62.9 | 1.006 | 0.14 | 1.950 | 2.402 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Top Side | 0mm | Ant 6 | DSI 1 | 40185 | 2549.5 | 21.88 | 22.80 | 1.236 | 62.9 | 1.006 | -0.12 | 1.850 | 2.300 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Top Side | 0mm | Ant 6 | DSI 1 | 41055 | 2636.5 | 21.89 | 22.80 | 1.233 | 62.9 | 1.006 | 0.01 | 1.680 | 2.084 |
| | LTE Band 41 | 20M | QPSK | 50 | 0 | - | Top Side | 0mm | Ant 6 | DSI 1 | 41490 | 2680 | 21.86 | 22.80 | 1.242 | 62.9 | 1.006 | 0.07 | 1.590 | 1.986 |
| | LTE Band 41 | 20M | QPSK | 100 | 0 | - | Top Side | 0mm | Ant 6 | DSI 1 | 40620 | 2593 | 21.99 | 22.80 | 1.205 | 62.9 | 1.006 | 0.15 | 1.510 | 1.831 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Left Side | 0mm | Ant 4 | DSI 1 | 507000 | 2535 | 18.88 | 20.00 | 1.294 | - | - | -0.12 | 1.570 | 2.032 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Left Side | 0mm | Ant 4 | DSI 1 | 507000 | 2535 | 18.67 | 20.00 | 1.358 | - | - | 0.04 | 1.690 | 2.296 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Left Side | 0mm | Ant 4 | DSI 6/11 | 507000 | 2535 | 16.20 | 17.50 | 1.349 | - | - | -0.1 | 0.940 | 1.268 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Left Side | 12mm | Ant 4 | DSI 4 | 507000 | 2535 | 22.10 | 23.50 | 1.380 | - | - | 0.12 | 0.356 | 0.491 |
| | n7 | 40M | QPSK | 216 | 0 | DFT-15 | Left Side | 0mm | Ant 4 | DSI 1 | 507000 | 2535 | 18.68 | 20.00 | 1.355 | - | - | 0.07 | 1.610 | 2.182 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Bottom Side | 0mm | Ant 5 | DSI 4 | 507000 | 2535 | 23.20 | 24.70 | 1.413 | - | - | -0.13 | 1.610 | 2.274 |
| 106 | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Bottom Side | 0mm | Ant 5 | DSI 4 | 507000 | 2535 | 23.19 | 24.70 | 1.416 | - | - | -0.02 | 1.720 | 2.435 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Bottom Side | 0mm | Ant 5 | DSI 9/14 | 507000 | 2535 | 17.62 | 18.70 | 1.282 | - | - | -0.02 | 1.040 | 1.334 |
| | n7 | 40M | QPSK | 216 | 0 | DFT-15 | Bottom Side | 0mm | Ant 5 | DSI 4 | 507000 | 2535 | 22.98 | 23.70 | 1.180 | - | - | 0.11 | 1.560 | 1.841 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 0mm | Ant 6 | DSI 1 | 507000 | 2535 | 18.89 | 20.20 | 1.352 | - | - | -0.09 | 1.510 | 2.042 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 0mm | Ant 6 | DSI 1 | 507000 | 2535 | 18.89 | 20.20 | 1.352 | - | - | 0.05 | 0.781 | 1.056 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Top Side | 0mm | Ant 6 | DSI 1 | 507000 | 2535 | 18.89 | 20.20 | 1.352 | - | - | -0.15 | 1.730 | 2.339 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Top Side | 0mm | Ant 6 | DSI 6/11 | 507000 | 2535 | 16.45 | 17.70 | 1.334 | - | - | -0.07 | 0.995 | 1.327 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Front | 11mm | Ant 6 | DSI 4 | 507000 | 2535 | 22.90 | 24.20 | 1.349 | - | - | 0.1 | 0.413 | 0.557 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Top Side | 11mm | Ant 6 | DSI 4 | 507000 | 2535 | 22.90 | 24.20 | 1.349 | - | - | 0.05 | 0.932 | 1.257 |
| | n7 | 40M | QPSK | 1 | 1 | DFT-15 | Back | 15mm | Ant 6 | DSI 4 | 507000 | 2535 | 22.90 | 24.20 | 1.349 | - | - | 0.03 | 0.296 | 0.399 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Front | 0mm | Ant 6 | DSI 1 | 507000 | 2535 | 18.82 | 20.20 | 1.374 | - | - | 0.03 | 1.460 | 2.006 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Back | 0mm | Ant 6 | DSI 1 | 507000 | 2535 | 18.82 | 20.20 | 1.374 | - | - | 0.13 | 0.746 | 1.025 |
| | n7 | 40M | QPSK | 108 | 54 | DFT-15 | Top Side | 0mm | Ant 6 | DSI 1 | 507000 | 2535 | 18.82 | 20.20 | 1.374 | - | - | 0.14 | 1.630 | 2.240 |
| | n7 | 40M | QPSK | 216 | 0 | DFT-15 | Front | 0mm | Ant 6 | DSI 1 | 507000 | 2535 | 18.81 | 20.20 | 1.377 | - | - | 0.01 | 1.440 | 1.983 |
| | n7 | 40M | QPSK | 216 | 0 | DFT-15 | Top Side | 0mm | Ant 6 | DSI 1 | 507000 | 2535 | 18.81 | 20.20 | 1.377 | - | - | -0.11 | 1.570 | 2.162 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Side | 0mm | Ant 4 | DSI 1 | 518598 | 2592.99 | 20.70 | 21.20 | 1.122 | - | - | 0.11 | 1.850 | 2.076 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Side | 12mm | Ant 4 | DSI 4 | 518598 | 2592.99 | 24.40 | 25.20 | 1.202 | - | - | 0.06 | 0.698 | 0.839 |
| | n41_PC2(UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Left Side | 0mm | Ant 4 | DSI 1 | 518598 | 2592.99 | 20.20 | 21.20 | 1.259 | - | - | 0.01 | 1.570 | 1.977 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Left Side | 0mm | Ant 4 | DSI 6/11 | 518598 | 2592.99 | 17.90 | 18.70 | 1.202 | - | - | 0.11 | 1.030 | 1.238 |
| | n41_PC2(UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Left Side | 0mm | Ant 4 | DSI 6/11 | 518598 | 2592.99 | 17.66 | 18.70 | 1.271 | - | - | 0.06 | 0.940 | 1.194 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Left Side | 0mm | Ant 4 | DSI 1 | 518598 | 2592.99 | 20.66 | 21.20 | 1.132 | - | - | 0.12 | 1.710 | 1.936 |
| | n41_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Left Side | 0mm | Ant 4 | DSI 1 | 518598 | 2592.99 | 20.51 | 21.20 | 1.172 | - | - | 0.05 | 1.680 | 1.969 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 0mm | Ant 5 | DSI 4 | 518598 | 2592.99 | 25.82 | 26.70 | 1.225 | - | - | 0.09 | 1.910 | 2.339 |



FCC SAR TEST REPORT

Report No. : FA2O2001

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|-----|------------------|------|------|-----|----|--------|-------------|------|-------|----------|--------|---------|-------|-------|-------|---|---|-------|-------|--------------|
| 107 | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Bottom Side | 0mm | Ant 5 | DSI 4 | 518598 | 2592.99 | 25.82 | 26.70 | 1.225 | - | - | -0.03 | 2.200 | 2.694 |
| | n41_PC2(UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Bottom Side | 0mm | Ant 5 | DSI 4 | 518598 | 2592.99 | 21.93 | 22.70 | 1.194 | - | - | 0.00 | 2.020 | 2.412 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Bottom Side | 0mm | Ant 5 | DSI 9/14 | 518598 | 2592.99 | 17.88 | 18.70 | 1.208 | - | - | -0.04 | 1.230 | 1.486 |
| | n41_PC2(UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Bottom Side | 0mm | Ant 5 | DSI 9/14 | 518598 | 2592.99 | 17.79 | 18.70 | 1.233 | - | - | -0.02 | 1.140 | 1.406 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 0mm | Ant 5 | DSI 4 | 518598 | 2592.99 | 24.95 | 26.70 | 1.496 | - | - | 0.04 | 1.460 | 2.185 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Bottom Side | 0mm | Ant 5 | DSI 4 | 518598 | 2592.99 | 24.95 | 26.70 | 1.496 | - | - | -0.16 | 1.730 | 2.588 |
| | n41_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Back | 0mm | Ant 5 | DSI 4 | 518598 | 2592.99 | 24.33 | 25.70 | 1.371 | - | - | 0.03 | 1.430 | 1.960 |
| | n41_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Bottom Side | 0mm | Ant 5 | DSI 4 | 518598 | 2592.99 | 24.33 | 25.70 | 1.371 | - | - | 0.03 | 1.680 | 2.303 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 0mm | Ant 6 | DSI 1 | 518598 | 2592.99 | 20.25 | 21.00 | 1.189 | - | - | -0.01 | 2.260 | 2.686 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 0mm | Ant 6 | DSI 1 | 518598 | 2592.99 | 20.25 | 21.00 | 1.189 | - | - | -0.13 | 1.300 | 1.545 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Top Side | 0mm | Ant 6 | DSI 1 | 518598 | 2592.99 | 20.25 | 21.00 | 1.189 | - | - | -0.14 | 2.010 | 2.389 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 11mm | Ant 6 | DSI 4 | 518598 | 2592.99 | 25.00 | 26.20 | 1.318 | - | - | 0.11 | 0.801 | 1.056 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 6 | DSI 4 | 518598 | 2592.99 | 25.00 | 26.20 | 1.318 | - | - | 0.03 | 0.556 | 0.733 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Top Side | 11mm | Ant 6 | DSI 4 | 518598 | 2592.99 | 25.00 | 26.20 | 1.318 | - | - | 0.01 | 1.730 | 2.281 |
| | n41_PC2(UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Front | 0mm | Ant 6 | DSI 1 | 518598 | 2592.99 | 20.22 | 21.00 | 1.197 | - | - | 0.06 | 2.240 | 2.681 |
| | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 0mm | Ant 6 | DSI 6/11 | 518598 | 2592.99 | 17.35 | 18.00 | 1.161 | - | - | 0.11 | 1.190 | 1.382 |
| | n41_PC2(UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Front | 0mm | Ant 6 | DSI 6/11 | 518598 | 2592.99 | 17.33 | 18.00 | 1.167 | - | - | -0.14 | 1.130 | 1.318 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 0mm | Ant 6 | DSI 1 | 518598 | 2592.99 | 20.13 | 21.00 | 1.222 | - | - | 0.06 | 2.130 | 2.602 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 0mm | Ant 6 | DSI 1 | 518598 | 2592.99 | 20.13 | 21.00 | 1.222 | - | - | 0.12 | 1.260 | 1.539 |
| | n41_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Top Side | 0mm | Ant 6 | DSI 1 | 518598 | 2592.99 | 20.13 | 21.00 | 1.222 | - | - | -0.12 | 1.920 | 2.346 |
| | n41_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Front | 0mm | Ant 6 | DSI 1 | 518598 | 2592.99 | 19.97 | 21.00 | 1.268 | - | - | 0.05 | 2.020 | 2.561 |
| | n41_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Back | 0mm | Ant 6 | DSI 1 | 518598 | 2592.99 | 19.97 | 21.00 | 1.268 | - | - | 0.03 | 1.190 | 1.509 |
| | n41_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Top Side | 0mm | Ant 6 | DSI 1 | 518598 | 2592.99 | 19.97 | 21.00 | 1.268 | - | - | 0.02 | 1.850 | 2.345 |



| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Mode | Test Position | Gap (mm) | 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 10g SAR (W/kg) | Reported 10g SAR (W/kg) |
|------------------------|--------------|----------|------------|---------|-----------|--------|---------------|----------|---------|-------------|-----------------|-----------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|-------------------------|-------------------------|
| 3550 ~ 3700 MHz | | | | | | | | | | | | | | | | | | | | |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Top Side | 0mm | Ant 6 | DSI 1 | 55340 | 3560 | 19.03 | 20.30 | 1.340 | 62.9 | 1.006 | 0.09 | 1.790 | 2.412 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Top Side | 0mm | Ant 6 | DSI 1 | 55830 | 3609 | 18.87 | 20.30 | 1.390 | 62.9 | 1.006 | -0.13 | 1.760 | 2.461 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Top Side | 0mm | Ant 6 | DSI 1 | 56150 | 3641 | 18.84 | 20.30 | 1.400 | 62.9 | 1.006 | 0.02 | 1.690 | 2.379 |
| 108 | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Top Side | 0mm | Ant 6 | DSI 1 | 56640 | 3690 | 18.85 | 20.30 | 1.396 | 62.9 | 1.006 | 0.05 | 1.930 | 2.711 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Top Side | 11mm | Ant 6 | DSI 4 | 56640 | 3690 | 23.76 | 24.80 | 1.271 | 62.9 | 1.006 | 0.02 | 0.412 | 0.527 |
| | LTE Band 48C | 20M | QPSK | 1 | 49 | - | Top Side | 0mm | Ant 6 | DSI 1 | 55830+ 56028 | 3609+ 3628.8 | 18.72 | 20.30 | 1.439 | 62.9 | 1.006 | 0.05 | 1.750 | 2.533 |
| | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Top Side | 0mm | Ant 6 | DSI 6/11 | 56640 | 3690 | 16.71 | 17.80 | 1.285 | 62.9 | 1.006 | 0.05 | 1.110 | 1.435 |
| | LTE Band 48C | 20M | QPSK | 1 | 49 | - | Top Side | 0mm | Ant 6 | DSI 6/11 | 55830+ 56028 | 3609+ 3628.8 | 16.70 | 17.80 | 1.288 | 62.9 | 1.006 | 0.08 | 1.020 | 1.322 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Top Side | 0mm | Ant 6 | DSI 1 | 55340 | 3560 | 19.00 | 20.30 | 1.349 | 62.9 | 1.006 | -0.02 | 1.760 | 2.388 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Top Side | 0mm | Ant 6 | DSI 1 | 55830 | 3609 | 18.77 | 20.30 | 1.422 | 62.9 | 1.006 | 0.16 | 1.700 | 2.432 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Top Side | 0mm | Ant 6 | DSI 1 | 56150 | 3641 | 18.81 | 20.30 | 1.409 | 62.9 | 1.006 | 0.13 | 1.630 | 2.311 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Top Side | 0mm | Ant 6 | DSI 1 | 56640 | 3690 | 18.83 | 20.30 | 1.403 | 62.9 | 1.006 | -0.14 | 1.900 | 2.681 |
| | LTE Band 48 | 20M | QPSK | 100 | 0 | - | Top Side | 0mm | Ant 6 | DSI 1 | 55340 | 3560 | 18.95 | 20.30 | 1.365 | 62.9 | 1.006 | 0.08 | 1.720 | 2.361 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Right Side | 0mm | Ant 7 | DSI 4 | 55340 | 3560 | 22.55 | 23.80 | 1.334 | 62.9 | 1.006 | -0.05 | 1.320 | 1.771 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Right Side | 0mm | Ant 7 | DSI 4 | 55830 | 3609 | 22.37 | 23.80 | 1.390 | 62.9 | 1.006 | 0.05 | 1.930 | 2.699 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Right Side | 0mm | Ant 7 | DSI 4 | 56150 | 3641 | 22.42 | 23.80 | 1.374 | 62.9 | 1.006 | 0.03 | 1.700 | 2.350 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Right Side | 0mm | Ant 7 | DSI 4 | 56640 | 3690 | 22.47 | 23.80 | 1.358 | 62.9 | 1.006 | 0.16 | 1.530 | 2.091 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Right Side | 0mm | Ant 7 | DSI 9/14 | 55830 | 3609 | 19.33 | 20.80 | 1.403 | 62.9 | 1.006 | 0.02 | 1.010 | 1.425 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Side | 0mm | Ant 7 | DSI 4 | 55340 | 3560 | 21.66 | 22.80 | 1.300 | 62.9 | 1.006 | -0.08 | 1.270 | 1.661 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Side | 0mm | Ant 7 | DSI 4 | 55830 | 3609 | 21.65 | 22.80 | 1.303 | 62.9 | 1.006 | 0.05 | 1.890 | 2.478 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Side | 0mm | Ant 7 | DSI 4 | 56150 | 3641 | 21.49 | 22.80 | 1.352 | 62.9 | 1.006 | 0.03 | 1.670 | 2.272 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Right Side | 0mm | Ant 7 | DSI 4 | 56640 | 3690 | 21.55 | 22.80 | 1.334 | 62.9 | 1.006 | 0.11 | 1.470 | 1.972 |
| | LTE Band 48 | 20M | QPSK | 100 | 0 | - | Right Side | 0mm | Ant 7 | DSI 4 | 55340 | 3560 | 21.60 | 22.80 | 1.318 | 62.9 | 1.006 | -0.05 | 1.310 | 1.737 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Front | 0mm | Ant 10 | DSI 4 | 55340 | 3560 | 23.57 | 24.80 | 1.327 | 62.9 | 1.006 | -0.03 | 1.780 | 2.377 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Front | 0mm | Ant 10 | DSI 4 | 55830 | 3609 | 23.42 | 24.80 | 1.374 | 62.9 | 1.006 | -0.11 | 1.770 | 2.447 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Front | 0mm | Ant 10 | DSI 4 | 56150 | 3641 | 23.44 | 24.80 | 1.368 | 62.9 | 1.006 | 0.14 | 1.760 | 2.422 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Front | 0mm | Ant 10 | DSI 4 | 56640 | 3690 | 23.31 | 24.80 | 1.409 | 62.9 | 1.006 | 0.1 | 1.780 | 2.524 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Back | 0mm | Ant 10 | DSI 4 | 55340 | 3560 | 23.57 | 24.80 | 1.327 | 62.9 | 1.006 | 0.09 | 0.877 | 1.171 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Top Side | 0mm | Ant 10 | DSI 4 | 55340 | 3560 | 23.57 | 24.80 | 1.327 | 62.9 | 1.006 | 0.01 | 1.420 | 1.896 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Top Side | 0mm | Ant 10 | DSI 4 | 55830 | 3609 | 23.42 | 24.80 | 1.374 | 62.9 | 1.006 | -0.11 | 1.470 | 2.032 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Top Side | 0mm | Ant 10 | DSI 4 | 56150 | 3641 | 23.44 | 24.80 | 1.368 | 62.9 | 1.006 | 0.14 | 1.420 | 1.954 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Top Side | 0mm | Ant 10 | DSI 4 | 56640 | 3690 | 23.31 | 24.80 | 1.409 | 62.9 | 1.006 | 0.1 | 1.500 | 2.127 |
| | LTE Band 48 | 20M | QPSK | 1 | 0 | - | Front | 0mm | Ant 10 | DSI 9/14 | 56640 | 3690 | 16.65 | 18.30 | 1.462 | 62.9 | 1.006 | 0.08 | 0.975 | 1.434 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Front | 0mm | Ant 10 | DSI 4 | 55340 | 3560 | 22.66 | 23.80 | 1.300 | 62.9 | 1.006 | 0.13 | 1.750 | 2.289 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Front | 0mm | Ant 10 | DSI 4 | 55830 | 3609 | 22.57 | 23.80 | 1.327 | 62.9 | 1.006 | 0.07 | 1.710 | 2.283 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Front | 0mm | Ant 10 | DSI 4 | 56150 | 3641 | 22.43 | 23.80 | 1.371 | 62.9 | 1.006 | -0.12 | 1.740 | 2.400 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Front | 0mm | Ant 10 | DSI 4 | 56640 | 3690 | 22.35 | 23.80 | 1.396 | 62.9 | 1.006 | -0.01 | 1.670 | 2.346 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Back | 0mm | Ant 10 | DSI 4 | 55340 | 3560 | 22.66 | 23.80 | 1.300 | 62.9 | 1.006 | -0.06 | 0.846 | 1.107 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Top Side | 0mm | Ant 10 | DSI 4 | 55340 | 3560 | 22.66 | 23.80 | 1.300 | 62.9 | 1.006 | 0.16 | 1.380 | 1.805 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Top Side | 0mm | Ant 10 | DSI 4 | 55830 | 3609 | 22.57 | 23.80 | 1.327 | 62.9 | 1.006 | 0.07 | 1.420 | 1.896 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Top Side | 0mm | Ant 10 | DSI 4 | 56150 | 3641 | 22.43 | 23.80 | 1.371 | 62.9 | 1.006 | -0.12 | 1.440 | 1.986 |
| | LTE Band 48 | 20M | QPSK | 50 | 0 | - | Top Side | 0mm | Ant 10 | DSI 4 | 56640 | 3690 | 22.35 | 23.80 | 1.396 | 62.9 | 1.006 | -0.01 | 1.460 | 2.051 |
| | LTE Band 48 | 20M | QPSK | 100 | 0 | - | Front | 0mm | Ant 10 | DSI 4 | 55340 | 3560 | 22.60 | 23.80 | 1.318 | 62.9 | 1.006 | 0.03 | 1.710 | 2.268 |
| | LTE Band 48 | 20M | QPSK | 100 | 0 | - | Top Side | 0mm | Ant 10 | DSI 4 | 55340 | 3560 | 22.60 | 23.80 | 1.318 | 62.9 | 1.006 | 0.03 | 1.370 | 1.817 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Front | 0mm | Ant 6 | DSI 1 | 641666 | 3624.99 | 17.10 | 18.20 | 1.288 | - | - | 0.16 | 0.883 | 1.138 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Back | 0mm | Ant 6 | DSI 1 | 641666 | 3624.99 | 17.10 | 18.20 | 1.288 | - | - | -0.07 | 0.685 | 0.882 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Top Side | 0mm | Ant 6 | DSI 1 | 641666 | 3624.99 | 17.10 | 18.20 | 1.288 | - | - | -0.11 | 1.690 | 2.177 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Top Side | 0mm | Ant 6 | DSI 1 | 638000 | 3570 | 17.07 | 18.20 | 1.297 | - | - | -0.16 | 1.530 | 1.985 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Top Side | 0mm | Ant 6 | DSI 1 | 645332 | 3679.98 | 16.97 | 18.20 | 1.327 | - | - | -0.16 | 1.610 | 2.137 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Front | 11mm | Ant 6 | DSI 4 | 641666 | 3624.99 | 24.25 | 25.20 | 1.245 | - | - | 0.01 | 0.384 | 0.478 |



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|-----|-------------|-----|------|-----|----|--------|----------|------|--------|----------|--------|---------|-------|-------|-------|---|---|-------|-------|-------|
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 6 | DSI 4 | 641666 | 3624.99 | 24.25 | 25.20 | 1.245 | - | - | -0.14 | 0.501 | 0.624 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Top Side | 11mm | Ant 6 | DSI 4 | 641666 | 3624.99 | 24.25 | 25.20 | 1.245 | - | - | 0.06 | 0.565 | 0.703 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Front | 0mm | Ant 6 | DSI 1 | 641666 | 3624.99 | 17.05 | 18.20 | 1.303 | - | - | -0.06 | 0.895 | 1.166 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Back | 0mm | Ant 6 | DSI 1 | 641666 | 3624.99 | 17.05 | 18.20 | 1.303 | - | - | -0.05 | 0.699 | 0.911 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Top Side | 0mm | Ant 6 | DSI 1 | 641666 | 3624.99 | 17.05 | 18.20 | 1.303 | - | - | -0.01 | 1.740 | 2.268 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Top Side | 0mm | Ant 6 | DSI 1 | 638000 | 3570 | 17.04 | 18.20 | 1.306 | - | - | 0.04 | 1.610 | 2.103 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Top Side | 0mm | Ant 6 | DSI 1 | 645332 | 3679.98 | 16.88 | 18.20 | 1.355 | - | - | 0.04 | 1.640 | 2.223 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Top Side | 0mm | Ant 6 | DSI 6/11 | 641666 | 3624.99 | 14.62 | 15.70 | 1.282 | - | - | -0.11 | 0.971 | 1.245 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Front | 11mm | Ant 6 | DSI 4 | 641666 | 3624.99 | 24.04 | 25.20 | 1.306 | - | - | -0.11 | 0.402 | 0.525 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Back | 15mm | Ant 6 | DSI 4 | 641666 | 3624.99 | 24.04 | 25.20 | 1.306 | - | - | 0.05 | 0.525 | 0.686 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Top Side | 11mm | Ant 6 | DSI 4 | 641666 | 3624.99 | 24.04 | 25.20 | 1.306 | - | - | 0.02 | 0.594 | 0.776 |
| | Part 96 n48 | 40M | QPSK | 100 | 0 | DFT-30 | Top Side | 0mm | Ant 6 | DSI 1 | 641666 | 3624.99 | 16.93 | 18.20 | 1.340 | - | - | -0.06 | 1.570 | 2.103 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Back | 0mm | Ant 13 | DSI 1 | 641666 | 3624.99 | 20.20 | 21.20 | 1.259 | - | - | 0.03 | 1.630 | 2.052 |
| 109 | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Back | 0mm | Ant 13 | DSI 1 | 638000 | 3570 | 20.03 | 21.20 | 1.309 | - | - | 0.03 | 1.970 | 2.579 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Back | 0mm | Ant 13 | DSI 1 | 645332 | 3679.98 | 20.03 | 21.20 | 1.309 | - | - | 0.15 | 1.410 | 1.846 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Back | 0mm | Ant 13 | DSI 6/11 | 638000 | 3570 | 17.75 | 18.70 | 1.245 | - | - | 0.03 | 1.090 | 1.357 |
| | Part 96 n48 | 40M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 13 | DSI 4 | 638000 | 3570 | 24.25 | 25.20 | 1.245 | - | - | 0.06 | 0.263 | 0.327 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Back | 0mm | Ant 13 | DSI 1 | 641666 | 3624.99 | 20.14 | 21.20 | 1.276 | - | - | -0.06 | 1.510 | 1.927 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Back | 0mm | Ant 13 | DSI 1 | 638000 | 3570 | 20.11 | 21.20 | 1.285 | - | - | -0.1 | 1.800 | 2.314 |
| | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Back | 0mm | Ant 13 | DSI 1 | 645332 | 3679.98 | 20.13 | 21.20 | 1.279 | - | - | 0.14 | 1.360 | 1.740 |
| | Part 96 n48 | 40M | QPSK | 100 | 0 | DFT-30 | Back | 0mm | Ant 13 | DSI 1 | 641666 | 3624.99 | 20.06 | 21.20 | 1.300 | - | - | 0.02 | 1.580 | 2.054 |

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Mode | Test Position | Gap (mm) | Antenna | 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) | |
|------------------------|----------------------------|----------|------------|---------|-----------|--------|---------------|----------|---------|-------------|--------|-------------|---------------------|---------------------|------------------------|------------------|-------------------------|-------------------------|--|
| 3450 ~ 4000 MHz | | | | | | | | | | | | | | | | | | | |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 0mm | Ant 6 | DSI 1 | 656000 | 3840 | 16.70 | 17.70 | 1.259 | 0.09 | 0.836 | 1.052 | |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 0mm | Ant 6 | DSI 1 | 656000 | 3840 | 16.70 | 17.70 | 1.259 | 0.07 | 0.720 | 0.906 | |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Top Side | 0mm | Ant 6 | DSI 1 | 656000 | 3840 | 16.70 | 17.70 | 1.259 | 0.13 | 1.300 | 1.637 | |
| | Part 270 n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Top Side | 0mm | Ant 6 | DSI 1 | 656000 | 3840 | 16.69 | 17.70 | 1.262 | 0.07 | 1.210 | 1.527 | |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Top Side | 0mm | Ant 6 | DSI 6/11 | 656000 | 3840 | 14.30 | 15.20 | 1.230 | 0.1 | 0.750 | 0.923 | |
| | Part 270 n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Top Side | 0mm | Ant 6 | DSI 6/11 | 656000 | 3840 | 14.11 | 15.20 | 1.285 | 0.03 | 0.733 | 0.942 | |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 11mm | Ant 6 | DSI 4 | 656000 | 3840 | 25.16 | 26.70 | 1.426 | 0.06 | 0.438 | 0.624 | |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 6 | DSI 4 | 656000 | 3840 | 25.16 | 26.70 | 1.426 | -0.11 | 0.364 | 0.519 | |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Top Side | 11mm | Ant 6 | DSI 4 | 656000 | 3840 | 25.16 | 26.70 | 1.426 | 0.12 | 0.912 | 1.300 | |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 0mm | Ant 6 | DSI 1 | 656000 | 3840 | 16.66 | 17.70 | 1.271 | 0.03 | 0.776 | 0.986 | |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 0mm | Ant 6 | DSI 1 | 656000 | 3840 | 16.66 | 17.70 | 1.271 | -0.03 | 0.676 | 0.859 | |
| | Part 270 n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Top Side | 0mm | Ant 6 | DSI 1 | 656000 | 3840 | 16.66 | 17.70 | 1.271 | -0.09 | 1.230 | 1.563 | |
| | Part 270 n77_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Front | 0mm | Ant 6 | DSI 1 | 656000 | 3840 | 16.50 | 17.70 | 1.318 | 0.03 | 0.772 | 1.018 | |
| | Part 270 n77_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Top Side | 0mm | Ant 6 | DSI 1 | 656000 | 3840 | 16.50 | 17.70 | 1.318 | -0.03 | 1.080 | 1.424 | |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 0mm | Ant 6 | DSI 1 | 633332 | 3499.98 | 16.65 | 17.70 | 1.274 | -0.09 | 0.881 | 1.122 | |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 0mm | Ant 6 | DSI 1 | 633332 | 3499.98 | 16.65 | 17.70 | 1.274 | 0.07 | 0.679 | 0.865 | |
| 111 | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Top Side | 0mm | Ant 6 | DSI 1 | 633332 | 3499.98 | 16.65 | 17.70 | 1.274 | 0.16 | 1.720 | 2.190 | |
| | Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Top Side | 0mm | Ant 6 | DSI 1 | 633332 | 3499.98 | 16.64 | 17.70 | 1.276 | 0.06 | 1.611 | 2.056 | |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Top Side | 0mm | Ant 6 | DSI 6/11 | 633332 | 3499.98 | 14.21 | 15.20 | 1.256 | 0.1 | 0.960 | 1.206 | |
| | Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Top Side | 0mm | Ant 6 | DSI 6/11 | 633332 | 3499.98 | 14.18 | 15.20 | 1.265 | 0.06 | 0.923 | 1.167 | |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 11mm | Ant 6 | DSI 4 | 633332 | 3499.98 | 25.55 | 26.70 | 1.303 | 0.13 | 0.450 | 0.586 | |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 6 | DSI 4 | 633332 | 3499.98 | 25.55 | 26.70 | 1.303 | 0.09 | 0.352 | 0.459 | |
| | Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Top Side | 11mm | Ant 6 | DSI 4 | 633332 | 3499.98 | 25.55 | 26.70 | 1.303 | 0.06 | 0.804 | 1.048 | |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 0mm | Ant 6 | DSI 1 | 633332 | 3499.98 | 16.55 | 17.70 | 1.303 | -0.02 | 0.850 | 1.108 | |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 0mm | Ant 6 | DSI 1 | 633332 | 3499.98 | 16.55 | 17.70 | 1.303 | -0.14 | 0.653 | 0.851 | |
| | Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Top Side | 0mm | Ant 6 | DSI 1 | 633332 | 3499.98 | 16.55 | 17.70 | 1.303 | -0.06 | 1.530 | 1.994 | |
| | Part 27Q n77_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Top Side | 0mm | Ant 6 | DSI 1 | 633332 | 3499.98 | 16.37 | 17.70 | 1.358 | 0.06 | 1.490 | 2.024 | |
| | Part 270 n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Side | 0mm | Ant 7 | DSI 4 | 656000 | 3840 | 23.97 | 25.20 | 1.327 | -0.02 | 0.836 | 1.110 | |
| | Part 270 n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Right Side | 0mm | Ant 7 | DSI 4 | 656000 | 3840 | 20.05 | 20.70 | 1.161 | 0.06 | 0.775 | 0.900 | |



FCC SAR TEST REPORT

Report No. : FA2O2001

| | | | | | | | | | | | | | | | | | |
|-------------------------------|------|------|-----|----|--------|------------|------|--------|----------|--------|---------|-------|-------|-------|-------|-------|-------|
| Part 27O n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Side | 0mm | Ant 7 | DSI 9/14 | 656000 | 3840 | 18.07 | 19.20 | 1.297 | 0.01 | 0.500 | 0.649 |
| Part 27O n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Right Side | 0mm | Ant 7 | DSI 9/14 | 656000 | 3840 | 18.00 | 19.20 | 1.318 | 0.11 | 0.422 | 0.556 |
| Part 27O n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Side | 0mm | Ant 7 | DSI 4 | 656000 | 3840 | 23.92 | 25.20 | 1.343 | 0.15 | 0.756 | 1.015 |
| Part 27O n77_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Right Side | 0mm | Ant 7 | DSI 4 | 656000 | 3840 | 23.12 | 24.20 | 1.282 | 0.09 | 0.749 | 0.960 |
| Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 0mm | Ant 7 | DSI 4 | 633332 | 3499.98 | 24.17 | 25.20 | 1.268 | 0.12 | 1.040 | 1.318 |
| Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Side | 0mm | Ant 7 | DSI 4 | 633332 | 3499.98 | 24.17 | 25.20 | 1.268 | -0.05 | 1.610 | 2.041 |
| Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Right Side | 0mm | Ant 7 | DSI 4 | 633332 | 3499.98 | 20.15 | 20.70 | 1.135 | 0.02 | 1.430 | 1.623 |
| Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Side | 0mm | Ant 7 | DSI 9/14 | 633332 | 3499.98 | 18.28 | 19.20 | 1.236 | 0.09 | 0.910 | 1.125 |
| Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Right Side | 0mm | Ant 7 | DSI 9/14 | 633332 | 3499.98 | 18.22 | 19.20 | 1.253 | 0.06 | 0.876 | 1.098 |
| Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 0mm | Ant 7 | DSI 4 | 633332 | 3499.98 | 23.96 | 25.20 | 1.330 | 0.07 | 0.976 | 1.299 |
| Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Right Side | 0mm | Ant 7 | DSI 4 | 633332 | 3499.98 | 23.96 | 25.20 | 1.330 | 0.09 | 1.510 | 2.009 |
| Part 27Q n77_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Right Side | 0mm | Ant 7 | DSI 4 | 633332 | 3499.98 | 23.55 | 24.20 | 1.161 | 0.09 | 1.480 | 1.719 |
| Part 27O n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 0mm | Ant 10 | DSI 4 | 656000 | 3840 | 25.25 | 26.70 | 1.396 | -0.05 | 1.520 | 2.122 |
| Part 27O n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Front | 0mm | Ant 10 | DSI 4 | 656000 | 3840 | 20.98 | 21.70 | 1.180 | 0.08 | 1.445 | 1.706 |
| Part 27O n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 0mm | Ant 10 | DSI 9/14 | 656000 | 3840 | 16.35 | 17.70 | 1.365 | 0.07 | 0.966 | 1.318 |
| Part 27O n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Front | 0mm | Ant 10 | DSI 9/14 | 656000 | 3840 | 16.30 | 17.70 | 1.380 | 0.08 | 0.770 | 1.063 |
| Part 27O n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 0mm | Ant 10 | DSI 4 | 656000 | 3840 | 25.09 | 26.70 | 1.449 | 0.07 | 1.400 | 2.028 |
| Part 27O n77_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Front | 0mm | Ant 10 | DSI 4 | 656000 | 3840 | 24.02 | 25.70 | 1.472 | 0.07 | 1.320 | 1.943 |
| Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 0mm | Ant 10 | DSI 4 | 633332 | 3499.98 | 25.40 | 26.70 | 1.349 | -0.01 | 1.560 | 2.104 |
| Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Front | 0mm | Ant 10 | DSI 4 | 633332 | 3499.98 | 20.99 | 21.70 | 1.178 | 0.03 | 1.475 | 1.737 |
| Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Front | 0mm | Ant 10 | DSI 9/14 | 633332 | 3499.98 | 16.47 | 17.70 | 1.327 | -0.01 | 0.977 | 1.297 |
| Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Front | 0mm | Ant 10 | DSI 9/14 | 633332 | 3499.98 | 16.45 | 17.70 | 1.334 | 0.03 | 0.860 | 1.147 |
| Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 0mm | Ant 10 | DSI 4 | 633332 | 3499.98 | 25.40 | 26.70 | 1.349 | 0.14 | 0.778 | 1.049 |
| Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Top Side | 0mm | Ant 10 | DSI 4 | 633332 | 3499.98 | 25.40 | 26.70 | 1.349 | -0.09 | 1.220 | 1.646 |
| Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Front | 0mm | Ant 10 | DSI 4 | 633332 | 3499.98 | 25.11 | 26.70 | 1.442 | -0.04 | 1.420 | 2.048 |
| Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 0mm | Ant 10 | DSI 4 | 633332 | 3499.98 | 25.11 | 26.70 | 1.442 | 0.07 | 0.701 | 1.011 |
| Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Top Side | 0mm | Ant 10 | DSI 4 | 633332 | 3499.98 | 25.11 | 26.70 | 1.442 | 0.06 | 1.050 | 1.514 |
| Part 27Q n77_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Front | 0mm | Ant 10 | DSI 4 | 633332 | 3499.98 | 24.06 | 25.70 | 1.459 | -0.04 | 1.330 | 1.940 |
| Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 0mm | Ant 13 | DSI 1 | 633332 | 3499.98 | 18.92 | 19.70 | 1.197 | 0.08 | 1.800 | 2.154 |
| Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Back | 0mm | Ant 13 | DSI 1 | 633332 | 3499.98 | 18.81 | 19.70 | 1.227 | 0.02 | 1.620 | 1.988 |
| Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 15mm | Ant 13 | DSI 4 | 633332 | 3499.98 | 24.66 | 26.20 | 1.426 | 0.06 | 0.339 | 0.483 |
| Part 27Q n77_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Back | 0mm | Ant 13 | DSI 6/11 | 633332 | 3499.98 | 15.70 | 17.20 | 1.413 | -0.08 | 0.900 | 1.271 |
| Part 27Q n77_PC2 (UL MIMO) | 100M | QPSK | 1 | 1 | CP-30 | Back | 0mm | Ant 13 | DSI 6/11 | 633332 | 3499.98 | 15.65 | 17.20 | 1.429 | 0.16 | 0.812 | 1.160 |
| Part 27Q n77_PC2 | 100M | QPSK | 135 | 69 | DFT-30 | Back | 0mm | Ant 13 | DSI 1 | 633332 | 3499.98 | 18.86 | 19.70 | 1.213 | -0.07 | 1.670 | 2.026 |
| Part 27Q n77_PC2 | 100M | QPSK | 270 | 0 | DFT-30 | Back | 0mm | Ant 13 | DSI 1 | 633332 | 3499.98 | 18.78 | 19.70 | 1.236 | 0.03 | 1.650 | 2.039 |



| Plot No. | Band | Mode | Test Position | Gap (mm) | 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 10g SAR (W/kg) | Reported 10g SAR (W/kg) |
|-------------|------------|----------------------|---------------|----------|-----------|-----------------------|-----|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|-------------------------|-------------------------|
| Wifi | | | | | | | | | | | | | | | | |
| | WLAN2.4GHz | 802.11b 1Mbps | Front | 0mm | Ant 12+7 | Full | 6 | 2437 | 22.41 | 23.50 | 1.285 | 99.05 | 1.010 | -0.19 | 0.614 | 0.797 |
| | WLAN2.4GHz | 802.11b 1Mbps | Back | 0mm | Ant 12+7 | Full | 6 | 2437 | 22.41 | 23.50 | 1.285 | 99.05 | 1.010 | 0.16 | 0.287 | 0.373 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Side | 0mm | Ant 12+7 | Full | 6 | 2437 | 22.41 | 23.50 | 1.285 | 99.05 | 1.010 | 0.13 | 1.150 | 1.493 |
| | WLAN2.4GHz | 802.11b 1Mbps | Top Side | 0mm | Ant 12+7 | Full | 6 | 2437 | 22.41 | 23.50 | 1.285 | 99.05 | 1.010 | 0.11 | 0.090 | 0.117 |
| 112 | WLAN2.4GHz | 802.11b 1Mbps | Right Side | 0mm | Ant 12+7 | Full | 1 | 2412 | 22.22 | 23.50 | 1.343 | 99.05 | 1.010 | 0.18 | 1.570 | 2.129 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Side | 0mm | Ant 12+7 | Full | 11 | 2462 | 22.20 | 23.50 | 1.349 | 99.05 | 1.010 | -0.08 | 1.060 | 1.444 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Side | 0mm | Ant 12+7 | 2.4G +5G/6G/WWAN+2.4G | 1 | 2412 | 20.56 | 22.00 | 1.392 | 99.05 | 1.010 | 0.03 | 1.080 | 1.519 |
| | WLAN2.4GHz | 802.11b 1Mbps | Right Side | 0mm | Ant 12+7 | WWAN+2.4G+5G/6G | 1 | 2412 | 17.77 | 19.00 | 1.329 | 99.05 | 1.010 | 0.03 | 0.561 | 0.753 |
| | WLAN5.3GHz | 802.11ac-VHT160 MCS0 | Front | 0mm | Ant 10+13 | Full | 50 | 5250 | 20.22 | 22.00 | 1.507 | 99.63 | 1.004 | -0.11 | 0.626 | 0.947 |
| 113 | WLAN5.3GHz | 802.11ac-VHT160 MCS0 | Back | 0mm | Ant 10+13 | Full | 50 | 5250 | 20.22 | 22.00 | 1.507 | 99.63 | 1.004 | -0.03 | 1.640 | 2.481 |
| | WLAN5.3GHz | 802.11ac-VHT160 MCS0 | Left Side | 0mm | Ant 10+13 | Full | 50 | 5250 | 20.22 | 22.00 | 1.507 | 99.63 | 1.004 | 0.01 | 0.738 | 1.116 |
| | WLAN5.3GHz | 802.11ac-VHT160 MCS0 | Right Side | 0mm | Ant 10+13 | Full | 50 | 5250 | 20.22 | 22.00 | 1.507 | 99.63 | 1.004 | 0.18 | 0.246 | 0.372 |
| | WLAN5.3GHz | 802.11ac-VHT160 MCS0 | Top Side | 0mm | Ant 10+13 | Full | 50 | 5250 | 20.22 | 22.00 | 1.507 | 99.63 | 1.004 | 0.11 | 0.831 | 1.257 |
| | WLAN5.3GHz | 802.11ac-VHT160 MCS0 | Back | 0mm | Ant 10+13 | 2.4G +5G/WWAN+5G | 50 | 5250 | 17.73 | 19.50 | 1.503 | 99.63 | 1.004 | -0.04 | 0.895 | 1.351 |
| | WLAN5.3GHz | 802.11ac-VHT160 MCS0 | Back | 0mm | Ant 10+13 | WWAN+2.4G+5G | 50 | 5250 | 14.76 | 16.50 | 1.493 | 99.63 | 1.004 | -0.04 | 0.444 | 0.665 |
| | WLAN5.5GHz | 802.11ac-VHT160 MCS0 | Front | 0mm | Ant 10+13 | Full | 114 | 5570 | 17.79 | 19.50 | 1.483 | 99.63 | 1.004 | -0.1 | 0.546 | 0.813 |
| 114 | WLAN5.5GHz | 802.11ac-VHT160 MCS0 | Back | 0mm | Ant 10+13 | Full | 114 | 5570 | 17.79 | 19.50 | 1.483 | 99.63 | 1.004 | -0.16 | 1.610 | 2.396 |
| | WLAN5.5GHz | 802.11ac-VHT160 MCS0 | Left Side | 0mm | Ant 10+13 | Full | 114 | 5570 | 17.79 | 19.50 | 1.483 | 99.63 | 1.004 | 0.09 | 0.675 | 1.005 |
| | WLAN5.5GHz | 802.11ac-VHT160 MCS0 | Right Side | 0mm | Ant 10+13 | Full | 114 | 5570 | 17.79 | 19.50 | 1.483 | 99.63 | 1.004 | -0.03 | 0.206 | 0.307 |
| | WLAN5.5GHz | 802.11ac-VHT160 MCS0 | Top Side | 0mm | Ant 10+13 | Full | 114 | 5570 | 17.79 | 19.50 | 1.483 | 99.63 | 1.004 | -0.01 | 0.680 | 1.012 |
| | WLAN5.5GHz | 802.11ac-VHT160 MCS0 | Back | 0mm | Ant 10+13 | 2.4G +5G/WWAN+5G | 114 | 5570 | 15.73 | 17.50 | 1.503 | 99.63 | 1.004 | -0.11 | 0.884 | 1.334 |
| | WLAN5.5GHz | 802.11ac-VHT160 MCS0 | Back | 0mm | Ant 10+13 | WWAN+2.4G+5G | 114 | 5570 | 13.18 | 15.00 | 1.520 | 99.63 | 1.004 | -0.11 | 0.477 | 0.728 |
| 115 | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Back | 0mm | Ant 10+13 | Full | 155 | 5775 | 17.08 | 19.00 | 1.556 | 99.63 | 1.004 | 0.1 | 1.680 | 2.624 |
| | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Back | 0mm | Ant 10+13 | 2.4G +5G/WWAN+5G | 155 | 5775 | 14.78 | 16.50 | 1.487 | 99.63 | 1.004 | 0.05 | 0.890 | 1.329 |
| | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Back | 0mm | Ant 10+13 | WWAN+2.4G+5G | 155 | 5775 | 12.34 | 14.00 | 1.465 | 99.63 | 1.004 | -0.09 | 0.490 | 0.721 |

18.5 Repeated SAR Measurement

<1g>

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Mode | Test Position | Gap (mm) | 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) | Ratio | Reported 1g SAR (W/kg) |
|----------|-------------|----------|------------|---------|-----------|---------------|---------------|----------|----------|-------------|--------|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|-------|------------------------|
| 1st | LTE Band 12 | 10M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 0 | DSI 5 | 23095 | 707.5 | 23.82 | 24.30 | 1.117 | - | 1.000 | -0.13 | 0.971 | 1 | 1.084 |
| 2nd | LTE Band 12 | 10M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 0 | DSI 5 | 23095 | 707.5 | 23.82 | 24.30 | 1.117 | - | 1.000 | 0.05 | 0.948 | 1.024 | 1.059 |
| 1st | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 0 | DSI 5 | 26965 | 841.5 | 23.83 | 24.30 | 1.114 | - | 1.000 | 0.11 | 0.923 | 1 | 1.028 |
| 2nd | LTE Band 26 | 15M | QPSK | 1 | 0 | - | Left Cheek | 0mm | Ant 0 | DSI 5 | 26965 | 841.5 | 23.83 | 24.30 | 1.114 | - | 1.000 | 0.09 | 0.894 | 1.032 | 0.996 |
| 1st | WCDMA IV | - | - | - | - | RMC 12.2Kbps | Right Cheek | 0mm | Ant 4 | DSI 5 | 1513 | 1752.6 | 19.38 | 20.50 | 1.294 | - | 1.000 | -0.01 | 0.889 | 1 | 1.151 |
| 2nd | WCDMA IV | - | - | - | - | RMC 12.2Kbps | Right Cheek | 0mm | Ant 4 | DSI 5 | 1513 | 1752.6 | 19.38 | 20.50 | 1.294 | - | 1.000 | 0.08 | 0.857 | 1.037 | 1.109 |
| 1st | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Right Tilted | 0mm | Ant 6 | DSI 5 | 376500 | 1882.5 | 17.05 | 17.70 | 1.161 | - | 1.000 | 0.13 | 0.939 | 1 | 1.091 |
| 2nd | n25 | 40M | QPSK | 108 | 54 | DFT-15 | Right Tilted | 0mm | Ant 6 | DSI 5 | 376500 | 1882.5 | 17.05 | 17.70 | 1.161 | - | 1.000 | 0.07 | 0.906 | 1.036 | 1.052 |
| 1st | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 27710 | 2310 | 16.81 | 17.30 | 1.119 | - | 1.000 | -0.11 | 0.913 | 1 | 1.022 |
| 2nd | LTE Band 30 | 10M | QPSK | 1 | 0 | - | Right Tilted | 0mm | Ant 6 | DSI 5 | 27710 | 2310 | 16.81 | 17.30 | 1.119 | - | 1.000 | 0.05 | 0.879 | 1.039 | 0.984 |
| 1st | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Tilted | 0mm | Ant 6 | DSI 5 | 518598 | 2592.99 | 14.31 | 15.20 | 1.227 | - | 1.000 | 0.02 | 0.966 | 1 | 1.186 |
| 2nd | n41_PC2 | 100M | QPSK | 1 | 1 | DFT-30 | Right Tilted | 0mm | Ant 6 | DSI 5 | 518598 | 2592.99 | 14.31 | 15.20 | 1.227 | - | 1.000 | 0.01 | 0.926 | 1.043 | 1.137 |
| 1st | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Right Cheek | 0mm | Ant 13 | DSI 5 | 55340 | 3560 | 21.43 | 22.30 | 1.222 | 62.9 | 1.006 | -0.05 | 0.916 | 1 | 1.126 |
| 2nd | LTE Band 48 | 20M | QPSK | 1 | 49 | - | Right Cheek | 0mm | Ant 13 | DSI 5 | 55340 | 3560 | 21.43 | 22.30 | 1.222 | 62.9 | 1.006 | 0.08 | 0.874 | 1.048 | 1.074 |
| 1st | WLAN2.4GHz | - | - | - | - | 802.11b 1Mbps | Right Side | 10mm | Ant 12+7 | Full | 11 | 2462 | 22.20 | 23.50 | 1.349 | 99.05 | 1.010 | -0.03 | 0.805 | 1 | 1.097 |
| 2nd | WLAN2.4GHz | - | - | - | - | 802.11b 1Mbps | Right Side | 10mm | Ant 12+7 | Full | 11 | 2462 | 22.20 | 23.50 | 1.349 | 99.05 | 1.010 | 0.05 | 0.775 | 1.039 | 1.056 |
| 1st | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Back | 15mm | Ant 6 | DSI 4 | 645332 | 3679.98 | 24.02 | 25.20 | 1.312 | - | 1.000 | -0.04 | 0.861 | 1 | 1.130 |
| 2nd | Part 96 n48 | 40M | QPSK | 50 | 28 | DFT-30 | Back | 15mm | Ant 6 | DSI 4 | 645332 | 3679.98 | 24.02 | 25.20 | 1.312 | - | 1.000 | 0.09 | 0.819 | 1.051 | 1.075 |

<10g>

| Plot No. | Band | BW (MHz) | Modulation | RB Size | RB offset | Mode | Test Position | Gap (mm) | 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 10g SAR (W/kg) | Ratio | Reported 10g SAR (W/kg) |
|----------|-------------|----------|------------|---------|-----------|--------|---------------|----------|---------|-------------|--------|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|-------------------------|-------|-------------------------|
| 1st | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 4 | 132572 | 1770 | 23.89 | 24.80 | 1.233 | - | 1.000 | 0.06 | 2.060 | 1 | 2.540 |
| 2nd | LTE Band 66 | 20M | QPSK | 1 | 0 | - | Bottom Side | 0mm | Ant 5 | DSI 4 | 132572 | 1770 | 23.89 | 24.80 | 1.233 | - | 1.000 | 0.09 | 1.910 | 1.079 | 2.355 |
| 1st | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Front | 0mm | Ant 6 | DSI 1 | 26340 | 1880 | 22.03 | 22.80 | 1.194 | - | 1.000 | -0.08 | 2.310 | 1 | 2.758 |
| 2nd | LTE Band 25 | 20M | QPSK | 1 | 0 | - | Front | 0mm | Ant 6 | DSI 1 | 26340 | 1880 | 22.03 | 22.80 | 1.194 | - | 1.000 | 0.01 | 2.230 | 1.039 | 2.663 |
| 1st | n30 | 10M | QPSK | 25 | 14 | DFT-15 | Bottom Side | 0mm | Ant 5 | DSI 4 | 462000 | 2310 | 24.00 | 24.70 | 1.175 | - | 1.000 | -0.11 | 2.290 | 1 | 2.691 |
| 2nd | n30 | 10M | QPSK | 25 | 14 | DFT-15 | Bottom Side | 0mm | Ant 5 | DSI 4 | 462000 | 2310 | 24.00 | 24.70 | 1.175 | - | 1.000 | 0.09 | 2.130 | 1.075 | 2.503 |
| 1st | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Top Side | 0mm | Ant 6 | DSI 1 | 39750 | 2506 | 22.04 | 22.80 | 1.191 | 62.9 | 1.006 | 0.1 | 2.290 | 1 | 2.744 |
| 2nd | LTE Band 41 | 20M | QPSK | 1 | 0 | - | Top Side | 0mm | Ant 6 | DSI 1 | 39750 | 2506 | 22.04 | 22.80 | 1.191 | 62.9 | 1.006 | 0.09 | 2.180 | 1.050 | 2.612 |

General Note:

1. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is $\geq 0.8W/kg$.
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.

18.6 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

| LTE Band 41(HPUE)-Linearity Data for DSI5-ANT4 | | | LTE Band 41(HPUE)-Linearity Data for DSI5/10/15-ANT5 | | | LTE Band 41(HPUE)-Linearity Data for DSI5-ANT6 | | |
|--|-----------------------------|-----------------------------|--|-----------------------------|-----------------------------|--|-----------------------------|-----------------------------|
| | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) | | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) | | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) |
| Maximum Tune up Power (dBm) | 23.40 | 25.40 | Maximum Tune up Power (dBm) | 24.80 | 26.80 | Maximum Tune up Power (dBm) | 17.20 | 18.80 |
| Reported 1g SAR (W/kg) | 0.992 | 1.074 | Reported 1g SAR (W/kg) | 0.129 | 0.150 | Reported 1g SAR (W/kg) | 1.097 | 1.075 |
| Duty Cycle | 63.30% | 43.30% | Duty Cycle | 63.30% | 43.30% | Duty Cycle | 63.30% | 43.30% |
| Frame Averaged (mW) | 138.49 | 150.14 | Frame Averaged (mW) | 191.16 | 207.25 | Frame Averaged (mW) | 33.22 | 32.85 |
| Linearity SAR (W/kg) | 1.075 | | Linearity SAR (W/kg) | 0.140 | | Linearity SAR (W/kg) | 1.085 | |
| % deviation from expected linearity | | -0.14% | % deviation from expected linearity | | 7.25% | % deviation from expected linearity | | -0.89% |
| LTE Band 41(HPUE)-Linearity Data for DSI10/15-ANT4 | | | LTE Band 41(HPUE)-Linearity Data for DSI10/15-ANT5 | | | LTE Band 41(HPUE)-Linearity Data for DSI10/15-ANT6 | | |
| | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) | | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) | | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) |
| Maximum Tune up Power (dBm) | 22.30 | 23.90 | | | | Maximum Tune up Power (dBm) | 15.20 | 16.80 |
| Reported 1g SAR (W/kg) | 0.746 | 0.751 | | | | Reported 1g SAR (W/kg) | 0.642 | 0.648 |
| Duty Cycle | 63.30% | 43.30% | | | | Duty Cycle | 63.30% | 43.30% |
| Frame Averaged (mW) | 107.50 | 106.29 | | | | Frame Averaged (mW) | 20.96 | 20.72 |
| Linearity SAR (W/kg) | 0.738 | | | | | Linearity SAR (W/kg) | 0.635 | |
| % deviation from expected linearity | | 1.82% | | | | % deviation from expected linearity | | 2.08% |
| LTE Band 41(HPUE)-Linearity Data for DSI17-ANT4 | | | LTE Band 41(HPUE)-Linearity Data for DSI17-ANT5 | | | LTE Band 41(HPUE)-Linearity Data for DSI17-ANT6 | | |
| | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) | | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) | | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) |
| Maximum Tune up Power (dBm) | 21.80 | 23.40 | Maximum Tune up Power (dBm) | 22.30 | 23.90 | Maximum Tune up Power (dBm) | 17.30 | 18.90 |
| Reported 1g SAR (W/kg) | 0.773 | 0.712 | Reported 1g SAR (W/kg) | 0.794 | 0.738 | Reported 1g SAR (W/kg) | 0.665 | 0.630 |
| Duty Cycle | 63.30% | 43.30% | Duty Cycle | 63.30% | 43.30% | Duty Cycle | 63.30% | 43.30% |
| Frame Averaged (mW) | 95.81 | 94.73 | Frame Averaged (mW) | 107.50 | 106.29 | Frame Averaged (mW) | 33.99 | 33.61 |
| Linearity SAR (W/kg) | 0.764 | | Linearity SAR (W/kg) | 0.785 | | Linearity SAR (W/kg) | 0.658 | |
| % deviation from expected linearity | | -6.84% | % deviation from expected linearity | | -5.99% | % deviation from expected linearity | | -4.18% |
| LTE Band 41(HPUE)-Linearity Data for DSI4-ANT4 | | | LTE Band 41(HPUE)-Linearity Data for DSI4-ANT5 | | | LTE Band 41(HPUE)-Linearity Data for DSI4-ANT6 | | |
| | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) | | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) | | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) |
| Maximum Tune up Power (dBm) | 23.40 | 25.40 | Maximum Tune up Power (dBm) | 24.80 | 26.80 | Maximum Tune up Power (dBm) | 24.30 | 26.30 |
| Reported 1g SAR (W/kg) | 0.335 | 0.374 | Reported 1g SAR (W/kg) | 0.456 | 0.500 | Reported 1g SAR (W/kg) | 0.765 | 0.771 |
| Duty Cycle | 63.30% | 43.30% | Duty Cycle | 63.30% | 43.30% | Duty Cycle | 63.30% | 43.30% |
| Frame Averaged (mW) | 138.49 | 150.14 | Frame Averaged (mW) | 191.16 | 207.25 | Frame Averaged (mW) | 170.37 | 184.71 |
| Linearity SAR (W/kg) | 0.363 | | Linearity SAR (W/kg) | 0.494 | | Linearity SAR (W/kg) | 0.829 | |
| % deviation from expected linearity | | 2.98% | % deviation from expected linearity | | 1.14% | % deviation from expected linearity | | -7.04% |



| LTE Band 41(HPUE)-Linearity Data for DSI4-ANT5 | | | LTE Band 41(HPUE)-Linearity Data for DSI4-ANT6 | | |
|---|--------------------------------|--------------------------------|---|--------------------------------|--------------------------------|
| | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) | | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) |
| Maximum Tune up Power (dBm) | 24.80 | 26.80 | Maximum Tune up Power (dBm) | 22.80 | 24.40 |
| Reported 10g SAR (W/kg) | 2.523 | 2.506 | Reported 10g SAR (W/kg) | 2.744 | 2.656 |
| Duty Cycle | 63.30% | 43.30% | Duty Cycle | 63.30% | 43.30% |
| Frame Averaged (mW) | 191.16 | 207.25 | Frame Averaged (mW) | 120.62 | 119.26 |
| Linearity SAR (W/kg) | 2.735 | | Linearity SAR (W/kg) | 2.713 | |
| % deviation from expected linearity | | -8.38% | % deviation from expected linearity | | -2.11% |
| LTE Band 41(HPUE)-Linearity Data for DSI9/14-ANT5 | | | LTE Band 41(HPUE)-Linearity Data for DSI6/11-ANT6 | | |
| | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) | | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) |
| Maximum Tune up Power (dBm) | 20.30 | 21.90 | Maximum Tune up Power (dBm) | 20.30 | 21.90 |
| Reported 10g SAR (W/kg) | 1.144 | 1.149 | Reported 10g SAR (W/kg) | 1.467 | 1.371 |
| Duty Cycle | 63.30% | 43.30% | Duty Cycle | 63.30% | 43.30% |
| Frame Averaged (mW) | 67.83 | 67.06 | Frame Averaged (mW) | 67.83 | 67.06 |
| Linearity SAR (W/kg) | 1.131 | | Linearity SAR (W/kg) | 1.450 | |
| % deviation from expected linearity | | 1.58% | % deviation from expected linearity | | -5.48% |

19. Simultaneous Transmission Analysis

| No. | Simultaneous Transmission Configurations | Portable Handset | | | Product specific 10g SAR |
|-----|--|------------------|-----------|---------|--------------------------|
| | | Head | Body-worn | Hotspot | |
| 1. | WWAN + WLAN2.4GHz | Yes | Yes | Yes | Yes |
| 2. | WWAN + WLAN5GHz | Yes | Yes | Yes | Yes |
| 3. | WWAN + WLAN6GHz | Yes | Yes | | Yes |
| 4. | WWAN + Bluetooth | Yes | Yes | Yes | Yes |
| 5. | WLAN 2.4GHz + Bluetooth | Yes | Yes | Yes | Yes |
| 6. | WLAN 5GHz + Bluetooth | Yes | Yes | Yes | Yes |
| 7. | WLAN 6GHz + Bluetooth | Yes | Yes | | Yes |
| 8. | WWAN + WLAN 2.4GHz + Bluetooth | Yes | Yes | Yes | Yes |
| 9. | WWAN + WLAN 5GHz + Bluetooth | Yes | Yes | Yes | Yes |
| 10. | WWAN + WLAN 6GHz + Bluetooth | Yes | Yes | | Yes |
| 11. | WLAN2.4GHz + WLAN5GHz | Yes | Yes | Yes | Yes |
| 12. | WLAN2.4GHz + WLAN6GHz | Yes | Yes | | Yes |
| 13. | WWAN + WLAN2.4GHz + WLAN5GHz | Yes | Yes | Yes | Yes |
| 14. | WWAN + WLAN2.4GHz + WLAN6GHz | Yes | Yes | | Yes |
| 15. | WLAN2.4GHz + WLAN5GHz + Bluetooth | Yes | Yes | Yes | Yes |
| 16. | WLAN2.4GHz + WLAN6GHz + Bluetooth | Yes | Yes | | Yes |
| 17. | WWAN + WLAN2.4GHz + WLAN5GHz + Bluetooth | Yes | Yes | Yes | Yes |
| 18. | WWAN + WLAN2.4GHz + WLAN6GHz + Bluetooth | Yes | Yes | | Yes |

General Note:

- This device supports VoIP in GPRS, EGPRS, WCDMA, and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
- EUT will choose each GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- WWAN above includes 5G NR bands.
- For WLAN2.4GHz/BT and WLAN5GHz support SISO and MIMO mode.
- For EN-DC mode, Qualcomm Smart Transmit algorithm in WWAN adds directly the time-averaged RF exposure from 4G(LTE) and time-averaged RF exposure from 5G NR. Smart Transmit algorithm controls the total RF exposure from both 4G and 5G NR to not exceed FCC limit. Therefore, simultaneous transmission compliance between 4G+5G NR operation is demonstrated in the Part 2 Report during algorithm validation. In Part 1 Report, simultaneous transmission compliance was evaluated individually with other Radios (WLAN or BT) using one of 4G or 5G NR.
- This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
- This device 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WLAN Direct (GC/GO), and 5.3GHz / 5.5GHz supports WLAN Direct (GC only).
- According to the EUT characteristic, WLAN 2.4GHz Chain0 and Bluetooth Chain 1 cannot transmit simultaneously.
- According to the EUT characteristic, WLAN 2.4GHz Chain1 and Bluetooth Chain 0 can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz/6GHz and Bluetooth can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz/6GHz and WLAN 2.4GHz can transmit simultaneously.
- Bluetooth BR/EDR two standalone SAR summed together as Bluetooth BR/EDR MIMO SAR.
- For simultaneously analysis, since the SAR summation of 4 transmitters can cover others combination of 2/3 transmitters, therefore in this section did not additional to evaluate 2/3TX combination of simultaneously transmission.
- Chose the worst zoom scan SAR of WLAN correspondingly for co-located with WWAN analysis.
- All licensed modes share the same antenna part and cannot transmit simultaneously.
- The Scaled SAR summation is calculated based on the same configuration and test position.
- WWAN antenna always chose the worst position SAR among all WWAN bands base on head, hotspot, body and extremity to do co-located with WLAN/Bluetooth. It is the most conservatively evaluation.
- Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
 - $SPLSR = (SAR1 + SAR2)^{1.5} / (\text{min. separation distance, mm})$, 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.
 - If $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is

- not necessary.
- iv) Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.

19.1 5G NR + LTE + WLAN + BT Sim-Tx analysis

In 5G NR + LTE + WLAN + BT simultaneous transmission, 5G NR and LTE transmission are managed and controlled by Qualcomm® Smart Transmit, while the RF exposure from WLAN and BT radios is managed using legacy approach, i.e., through a fixed power back-off if needed.

Since WLAN and BT do not employ time-averaging, 1gSAR and 10gSAR measurement for WLAN and BT need to be conducted at their corresponding rated power following current FCC test procedures to determine reported SAR values.

Smart Transmit current implementation assumes hotspots from 5G NR and LTE are collocated. Therefore, for a total of 100% exposure margin, if LTE uses x%, then the exposure margin left for 5G NR is capped to (100-x)%. Thus, the compliance equation for LTE + 5G NR is

$$x\% * A + (100-x)\% * B \leq 1.0,$$

Where, A is normalized reported time-averaged SAR exposure ratio from LTE, and $A \leq 1.0$; B is normalized reported time-averaged exposure ratio from 5G NR (i.e. SAR exposure for 5G FR1), and $B \leq 1.0$.

Let C = normalized reported SAR exposure ratio from WLAN+BT, then for compliance,

$$x\% * A + (100-x)\% * B + C \leq 1.0 \quad (1)$$

$$x\% * A + (100-x)\% * B \leq x\% * \max(A, B) + (100-x)\% * \max(A, B) \leq \max(A, B)$$

$$x\% * A + (100-x)\% * B + C \leq \max(A, B) + C \leq 1.0 \quad (2)$$

if $A + C \leq 1.0$ and $B + C \leq 1.0$ can be proven, then " $x\% * A + (100-x)\% * B + C \leq 1.0$ ". Therefore simultaneous transmission analysis for 5G NR + LTE + WLAN + BT can be performed in two steps

Step 1: Prove total exposure ratio (TER) of LTE + WLAN + BT < 1

Step 2: Prove total exposure ratio (TER) of 5G NR + WLAN + BT < 1

Else, if $A + C > 1.0$ and/or $B + C > 1.0$, then the followings need to hold true for compliance:

- i. A and C are decoupled based on the SPLSR criteria, and
- ii. $(100-x)\% * B + C \leq 1.0$, and
- iii. $x\% * A + (100-x)\% * B \leq 1.0$

Note iii. is covered in Part 2 report; i. and ii. should be addressed in Part 2 report.

Above analysis is also apply to LTE/NR inter-band uplink, LTE(NR)1 + LTE(NR)2 + WLAN + BT simultaneous transmission, So inter-band uplink CA no need to do additional simultaneously analysis again. Only required comply with total exposure ratio (TER) of LTE/NR + WLAN + BT < 1.

Above analysis is also apply to NR band UL MIMO, NR(SISO1) + NR(SISO2) + WLAN + BT simultaneous transmission, So UL MIMO no need to do additional simultaneously analysis again. Only required comply with total exposure ratio (TER) of NR + WLAN + BT < 1.

19.2 Head Exposure Conditions

| WWAN Band | Exposure Position | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 1+2+3 | 1+4+5 | 1+6 | 1+7+8 |
|-----------|-------------------|---------------|------------------|-------------------|-----------------|-----------------|--------------------|-----------------|------------------|---------------|---------------|---------------|---------------|
| | | WWAN | WLAN2.4GHz Ant 7 | WLAN2.4GHz Ant 12 | WLAN5GHz Ant 10 | WLAN5GHz Ant 13 | WLAN6GHz Ant 10+13 | Bluetooth Ant 7 | Bluetooth Ant 12 | Summed | Summed | Summed | Summed |
| | | 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) |
| All Bands | Right Cheek | 0.789 | 0.377 | 0.404 | 0.404 | 0.292 | 0.089 | 0.017 | 0.224 | 1.57 | 1.49 | 0.88 | 1.03 |
| | Right Tilted | 0.789 | 0.377 | 0.404 | 0.393 | 0.210 | 0.089 | 0.014 | 0.224 | 1.57 | 1.39 | 0.88 | 1.03 |
| | Left Cheek | 0.789 | 0.377 | 0.404 | 0.613 | 0.110 | 0.089 | 0.087 | 0.224 | 1.57 | 1.51 | 0.88 | 1.10 |
| | Left Tilted | 0.789 | 0.377 | 0.404 | 0.613 | 0.072 | 0.089 | 0.027 | 0.224 | 1.57 | 1.47 | 0.88 | 1.04 |

| WWAN Band | Exposure Position | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 3+4+5+7 | 2+4+5+8 | 3+6+7 | 2+6+8 |
|-----------|-------------------|------------------|-------------------|-----------------|-----------------|--------------------|-----------------|------------------|---------------|---------------|---------------|---------------|
| | | WLAN2.4GHz Ant 7 | WLAN2.4GHz Ant 12 | WLAN5GHz Ant 10 | WLAN5GHz Ant 13 | WLAN6GHz Ant 10+13 | Bluetooth Ant 7 | Bluetooth Ant 12 | Summed | Summed | Summed | Summed |
| | | 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) |
| All Bands | Right Cheek | 0.566 | 0.606 | 0.404 | 0.292 | 0.089 | 0.017 | 0.143 | 1.32 | 1.41 | 0.71 | 0.80 |
| | Right Tilted | 0.566 | 0.606 | 0.393 | 0.210 | 0.089 | 0.014 | 0.143 | 1.22 | 1.31 | 0.71 | 0.80 |
| | Left Cheek | 0.566 | 0.606 | 0.613 | 0.110 | 0.089 | 0.087 | 0.143 | 1.42 | 1.43 | 0.78 | 0.80 |
| | Left Tilted | 0.566 | 0.606 | 0.613 | 0.072 | 0.089 | 0.027 | 0.143 | 1.32 | 1.39 | 0.72 | 0.80 |

| WWAN Band | Exposure Position | 1 | 2 | 3 | 4 | 5 | 6 | 2+3+4+5 | 2+3+6 | 1+2+3 | 1+4+5 | 1+6 |
|-----------|-------------------|---------------|------------------|-------------------|-----------------|-----------------|--------------------|---------------|---------------|---------------|---------------|---------------|
| | | WWAN | WLAN2.4GHz Ant 7 | WLAN2.4GHz Ant 12 | WLAN5GHz Ant 10 | WLAN5GHz Ant 13 | WLAN6GHz Ant 10+13 | Summed | Summed | Summed | Summed | Summed |
| | | 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) |
| All Bands | Right Cheek | 0.789 | 0.377 | 0.404 | 0.404 | 0.292 | 0.089 | 1.48 | 0.87 | 1.57 | 1.49 | 0.88 |
| | Right Tilted | 0.789 | 0.377 | 0.404 | 0.393 | 0.210 | 0.089 | 1.38 | 0.87 | 1.57 | 1.39 | 0.88 |
| | Left Cheek | 0.789 | 0.377 | 0.404 | 0.613 | 0.110 | 0.089 | 1.50 | 0.87 | 1.57 | 1.51 | 0.88 |
| | Left Tilted | 0.789 | 0.377 | 0.404 | 0.613 | 0.072 | 0.089 | 1.47 | 0.87 | 1.57 | 1.47 | 0.88 |

| WWAN Band | Exposure Position | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 2+8 | 3+7 | 4+5+7+8 | 6+7+8 |
|-----------|-------------------|------------------|-------------------|-----------------|-----------------|--------------------|-----------------|------------------|---------------|---------------|---------------|---------------|
| | | WLAN2.4GHz Ant 7 | WLAN2.4GHz Ant 12 | WLAN5GHz Ant 10 | WLAN5GHz Ant 13 | WLAN6GHz Ant 10+13 | Bluetooth Ant 7 | Bluetooth Ant 12 | Summed | Summed | Summed | Summed |
| | | 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) |
| All Bands | Right Cheek | 0.807 | 1.013 | 0.750 | 0.292 | 0.089 | 0.017 | 0.224 | 1.03 | 1.03 | 1.28 | 0.33 |
| | Right Tilted | 0.807 | 1.013 | 0.750 | 0.210 | 0.089 | 0.014 | 0.224 | 1.03 | 1.03 | 1.20 | 0.33 |
| | Left Cheek | 0.807 | 1.013 | 0.750 | 0.110 | 0.089 | 0.087 | 0.224 | 1.03 | 1.10 | 1.17 | 0.40 |
| | Left Tilted | 0.807 | 1.013 | 0.750 | 0.072 | 0.089 | 0.027 | 0.224 | 1.03 | 1.04 | 1.07 | 0.34 |

| WWAN Band | Exposure Position | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 1+2+3+4+5 | 1+2+3+6 | 1+2+4+5+8 | 1+3+4+5+7 | 1+2+6+8 | 1+3+6+7 |
|-----------|-------------------|---------------|------------------|-------------------|-----------------|-----------------|--------------------|-----------------|------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | WWAN | WLAN2.4GHz Ant 7 | WLAN2.4GHz Ant 12 | WLAN5GHz Ant 10 | WLAN5GHz Ant 13 | WLAN6GHz Ant 10+13 | Bluetooth Ant 7 | Bluetooth Ant 12 | Summed | Summed | Summed | Summed | Summed | Summed |
| | | 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) |
| All Bands | Right Cheek | 0.789 | 0.119 | 0.163 | 0.171 | 0.292 | 0.089 | 0.017 | 0.103 | 1.53 | 1.16 | 1.47 | 1.43 | 1.10 | 1.06 |
| | Right Tilted | 0.789 | 0.119 | 0.163 | 0.171 | 0.210 | 0.089 | 0.014 | 0.103 | 1.45 | 1.16 | 1.39 | 1.35 | 1.10 | 1.06 |
| | Left Cheek | 0.789 | 0.119 | 0.163 | 0.171 | 0.110 | 0.089 | 0.087 | 0.103 | 1.35 | 1.16 | 1.29 | 1.32 | 1.10 | 1.13 |
| | Left Tilted | 0.789 | 0.119 | 0.163 | 0.171 | 0.072 | 0.089 | 0.027 | 0.103 | 1.31 | 1.16 | 1.25 | 1.22 | 1.10 | 1.07 |

19.3 Hotspot Exposure Conditions

| WWAN Band | Exposure Position | 1 | 2 | 5 | 7 | 8 | 1+2+5+7 | 1+2+5+8 |
|-----------|-------------------|---------------|---------------------|--------------------|-----------------|-----------------|---------------|---------------|
| | | WWAN | WLAN2.4GHz Ant 12+7 | WLAN5GHz Ant 10+13 | Bluetooth Ant 7 | Bluetooth Ant12 | Summed | Summed |
| | | 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) |
| All Bands | Front | 0.794 | 0.284 | 0.380 | 0.010 | 0.064 | 1.47 | 1.52 |
| | Back | 0.794 | 0.284 | 0.380 | 0.010 | 0.064 | 1.47 | 1.52 |
| | Left side | 0.794 | 0.284 | 0.380 | 0.010 | 0.064 | 1.47 | 1.52 |
| | Right side | 0.794 | 0.284 | 0.380 | 0.010 | 0.064 | 1.47 | 1.52 |
| | Top side | 0.794 | 0.284 | 0.380 | 0.010 | 0.064 | 1.47 | 1.52 |
| | Bottom side | 0.794 | 0.284 | 0.380 | 0.010 | 0.064 | 1.47 | 1.52 |

| WWAN Band | Exposure Position | 1 | 2 | 5 | 7 | 8 | 1+2 | 1+5 | 1+7+8 | 2+7 | 2+8 | 5+7+8 | 2+5 | |
|-----------|-------------------|---------------|---------------------|--------------------|-----------------|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | WWAN | WLAN2.4GHz Ant 12+7 | WLAN5GHz Ant 10+13 | Bluetooth Ant 7 | Bluetooth Ant12 | Summed | Summed | Summed | Summed | Summed | Summed | Summed | Summed |
| | | 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) |
| All Bands | Front | 0.794 | 0.746 | 0.729 | 0.080 | 0.181 | 1.54 | 1.52 | 1.06 | 0.83 | 0.93 | 0.99 | 1.48 | |
| | Back | 0.794 | 0.746 | 0.729 | 0.080 | 0.181 | 1.54 | 1.52 | 1.06 | 0.83 | 0.93 | 0.99 | 1.48 | |
| | Left side | 0.794 | 0.746 | 0.729 | 0.080 | 0.181 | 1.54 | 1.52 | 1.06 | 0.83 | 0.93 | 0.99 | 1.48 | |
| | Right side | 0.794 | 0.746 | 0.729 | 0.080 | 0.181 | 1.54 | 1.52 | 1.06 | 0.83 | 0.93 | 0.99 | 1.48 | |
| | Top side | 0.794 | 0.746 | 0.729 | 0.080 | 0.181 | 1.54 | 1.52 | 1.06 | 0.83 | 0.93 | 0.99 | 1.48 | |
| | Bottom side | 0.794 | 0.746 | 0.729 | 0.080 | 0.181 | 1.54 | 1.52 | 1.06 | 0.83 | 0.93 | 0.99 | 1.48 | |

| WWAN Band | Exposure Position | 2 | 5 | 7 | 8 | 2+5+7 | 2+5+8 |
|-----------|-------------------|---------------------|--------------------|-----------------|-----------------|---------------|---------------|
| | | WLAN2.4GHz Ant 12+7 | WLAN5GHz Ant 10+13 | Bluetooth Ant 7 | Bluetooth Ant12 | Summed | Summed |
| | | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) |
| All Bands | Front | 0.746 | 0.729 | 0.029 | 0.100 | 1.50 | 1.58 |
| | Back | 0.746 | 0.729 | 0.029 | 0.100 | 1.50 | 1.58 |
| | Left side | 0.746 | 0.729 | 0.029 | 0.100 | 1.50 | 1.58 |
| | Right side | 0.746 | 0.729 | 0.029 | 0.100 | 1.50 | 1.58 |
| | Top side | 0.746 | 0.729 | 0.029 | 0.100 | 1.50 | 1.58 |
| | Bottom side | 0.746 | 0.729 | 0.029 | 0.100 | 1.50 | 1.58 |

19.4 Body-Worn Accessory Exposure Conditions

| WWAN Band | Exposure Position | 1 | 2 | 5 | 6 | 7 | 8 | 1+2 | 1+5 | 1+6 | 1+7+8 |
|-----------|-------------------|-----------------------|--------------------------------------|-------------------------------------|-------------------------------------|----------------------------------|----------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | | WWAN 1g SAR (W/kg) | WLAN2.4GHz Ant 12+7 1g SAR (W/kg) | WLAN5GHz Ant 10+13 1g SAR (W/kg) | WLAN6GHz Ant 10+13 1g SAR (W/kg) | Bluetooth Ant 7 1g SAR (W/kg) | Bluetooth Ant12 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) |
| All Bands | Front | 0.796 | 0.243 | 0.600 | 0.093 | 0.023 | 0.047 | 1.04 | 1.40 | 0.89 | 0.87 |
| | Back | 0.796 | 0.243 | 0.600 | 0.093 | 0.023 | 0.047 | 1.04 | 1.40 | 0.89 | 0.87 |

| WWAN Band | Exposure Position | 2 | 5 | 6 | 7 | 8 | 2+5+7 | 2+5+8 | 2+6+7 | 2+6+8 | 5+7+8 | 6+7+8 |
|-----------|-------------------|--------------------------------------|-------------------------------------|-------------------------------------|----------------------------------|----------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | | WLAN2.4GHz Ant 12+7 1g SAR (W/kg) | WLAN5GHz Ant 10+13 1g SAR (W/kg) | WLAN6GHz Ant 10+13 1g SAR (W/kg) | Bluetooth Ant 7 1g SAR (W/kg) | Bluetooth Ant12 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) |
| All Bands | Front | 0.243 | 0.600 | 0.093 | 0.012 | 0.028 | 0.86 | 0.87 | 0.35 | 0.36 | 0.64 | 0.13 |
| | Back | 0.243 | 0.600 | 0.093 | 0.012 | 0.028 | 0.86 | 0.87 | 0.35 | 0.36 | 0.64 | 0.13 |

| WWAN Band | Exposure Position | 1 | 2 | 5 | 6 | 7 | 8 | 1+2+5+7 | 1+2+5+8 | 1+2+6+7 | 1+2+6+8 | 1+5+7+8 | 1+6+7+8 |
|-----------|-------------------|-----------------------|--------------------------------------|-------------------------------------|-------------------------------------|----------------------------------|----------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | | WWAN 1g SAR (W/kg) | WLAN2.4GHz Ant 12+7 1g SAR (W/kg) | WLAN5GHz Ant 10+13 1g SAR (W/kg) | WLAN6GHz Ant 10+13 1g SAR (W/kg) | Bluetooth Ant 7 1g SAR (W/kg) | Bluetooth Ant12 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) |
| All Bands | Front | 0.796 | 0.108 | 0.324 | 0.093 | 0.010 | 0.018 | 1.24 | 1.25 | 1.01 | 1.02 | 1.15 | 0.92 |
| | Back | 0.796 | 0.108 | 0.324 | 0.093 | 0.010 | 0.018 | 1.24 | 1.25 | 1.01 | 1.02 | 1.15 | 0.92 |

| WWAN Band | Exposure Position | 1 | 2 | 5 | 6 | 7 | 8 | 1+2+5 | 1+2+6 |
|-----------|-------------------|-----------------------|--------------------------------------|-------------------------------------|-------------------------------------|----------------------------------|----------------------------------|-------------------------|-------------------------|
| | | WWAN 1g SAR (W/kg) | WLAN2.4GHz Ant 12+7 1g SAR (W/kg) | WLAN5GHz Ant 10+13 1g SAR (W/kg) | WLAN6GHz Ant 10+13 1g SAR (W/kg) | Bluetooth Ant 7 1g SAR (W/kg) | Bluetooth Ant12 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) |
| All Bands | Front | 0.796 | 0.243 | 0.535 | 0.093 | 0.012 | 0.028 | 1.57 | 1.13 |
| | Back | 0.796 | 0.243 | 0.535 | 0.093 | 0.012 | 0.028 | 1.57 | 1.13 |

19.5 Product Specific Exposure Conditions

Note: For Bluetooth Product specific 10g stand-alone SAR is not required for a transmitter or antenna, due to 1g hotspot SAR is <1.2W/kg.

| WWAN Band | Exposure Position | 1 | 2 | 5 | 6 | 7 | 1+2+7 | 1+5+7 | 1+6+7 | 2+5+7 | 2+6+7 |
|-----------|-------------------|----------------|---------------------|--------------------|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | WWAN | WLAN2.4GHz Ant 12+7 | WLAN5GHz Ant 10+13 | WLAN6GHz Ant 10+13 | NFC | Summed | Summed | Summed | Summed | Summed |
| | | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg) |
| All Bands | Front | 1.494 | 1.519 | 1.351 | 0.240 | | 3.01 | 2.85 | 1.73 | 1.52 | 1.76 |
| | Back | 1.494 | 1.519 | 1.351 | 0.240 | 0.005 | 3.02 | 2.85 | 1.74 | 1.52 | 1.76 |
| | Left side | 1.494 | 1.519 | 1.351 | 0.240 | | 3.01 | 2.85 | 1.73 | 1.52 | 1.76 |
| | Right side | 1.494 | 1.519 | 1.351 | 0.240 | | 3.01 | 2.85 | 1.73 | 1.52 | 1.76 |
| | Top side | 1.494 | 1.519 | 1.351 | 0.240 | | 3.01 | 2.85 | 1.73 | 1.52 | 1.76 |
| | Bottom side | 1.494 | 1.519 | 1.351 | 0.240 | | 3.01 | 2.85 | 1.73 | 1.52 | 1.76 |

| WWAN Band | Exposure Position | 1 | 2 | 5 | 6 | 7 | 1+2+5 | 1+2+6 |
|-----------|-------------------|----------------|---------------------|--------------------|--------------------|----------------|----------------|----------------|
| | | WWAN | WLAN2.4GHz Ant 12+7 | WLAN5GHz Ant 10+13 | WLAN6GHz Ant 10+13 | NFC | Summed | Summed |
| | | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg) |
| All Bands | Front | 1.494 | 0.753 | 0.728 | 0.240 | | 2.98 | 2.49 |
| | Back | 1.494 | 0.753 | 0.728 | 0.240 | 0.005 | 2.98 | 2.49 |
| | Left side | 1.494 | 0.753 | 0.728 | 0.240 | | 2.98 | 2.49 |
| | Right side | 1.494 | 0.753 | 0.728 | 0.240 | | 2.98 | 2.49 |
| | Top side | 1.494 | 0.753 | 0.728 | 0.240 | | 2.98 | 2.49 |
| | Bottom side | 1.494 | 0.753 | 0.728 | 0.240 | | 2.98 | 2.49 |

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20. 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 $\leq 30\%$, 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.

21. 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
- [10] FCC KDB 941225 D05A v01r02, “Rel. 10 LTE SAR Test Guidance and KDB Inquiries”, Oct 2015
- [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] FCC KDB 616217 D04 v01r02, “SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers”, Oct 2015

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