

<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	$\leq 3.5^1$	$\leq 1.2^1$	$\leq 0.2^1$
		$\leq 0.5^2$	$\leq 0.5^2$	0 <sup>2</sup>
	QPSK		$\leq 1$	0
	16 QAM		$\leq 2$	$\leq 1$
	64 QAM			
CP-OFDM	256 QAM		$\leq 2.5$	
	QPSK		$\leq 3$	$\leq 1.5$
	16 QAM		$\leq 3$	$\leq 2$
	64 QAM		$\leq 3.5$	
	256 QAM		$\leq 6.5$	

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	$\leq 3.5$	$\leq 0.5$	0
	QPSK	$\leq 3.5$	$\leq 1$	0
	16 QAM	$\leq 3.5$	$\leq 2$	$\leq 1$
	64 QAM	$\leq 3.5$		$\leq 2.5$
	256 QAM		$\leq 4.5$	
CP-OFDM	QPSK	$\leq 3.5$	$\leq 3$	$\leq 1.5$
	16 QAM	$\leq 3.5$	$\leq 3$	$\leq 2$
	64 QAM		$\leq 3.5$	
	256 QAM		$\leq 6.5$	

ENDC List	LTE Ant No.	NR Ant No.
DC_7A_n5A	ANT4/0/3/6	ANT0/1
DC_66A_n7A	ANT3/6/4/0	ANT4/0
DC_2A_n66A	ANT3/6	ANT4/0/3/6
DC_5A_n66A	ANT0/1	ANT4/0/3/6
DC_12A_n66A	ANT0/1	ANT4/0/3/6
DC_2A_n78A	ANT3/6	ANT10/1/12/3
DC_38A_n78A	ANT3/6/4/0	ANT10/1/12/3
DC_41A_n78A	ANT3/6/4/0	ANT10/1/12/3
DC_5A_n78A	ANT0/1	ANT10/1/12/3
DC_66A_n78A	ANT3/6/4/0	ANT10/1/12/3
DC_7A_n78A	ANT3/6/4/0	ANT10/1/12/3
DC_66A_n38A	ANT4/0	ANT3/6
DC_66A_n41A	ANT4/0	ANT3/6

**UL MIMO combination:**

NR UL MIMO	TX Ant	TX Ant
FR1 n41	Ant0/4	Ant3/6

### <WLAN Conducted Power>

#### General Note:

1. For each frequency band or when MIMO mode was not performed, due to for 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  $\leq 0.04$ , 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 SISO mode power is less than per chain power

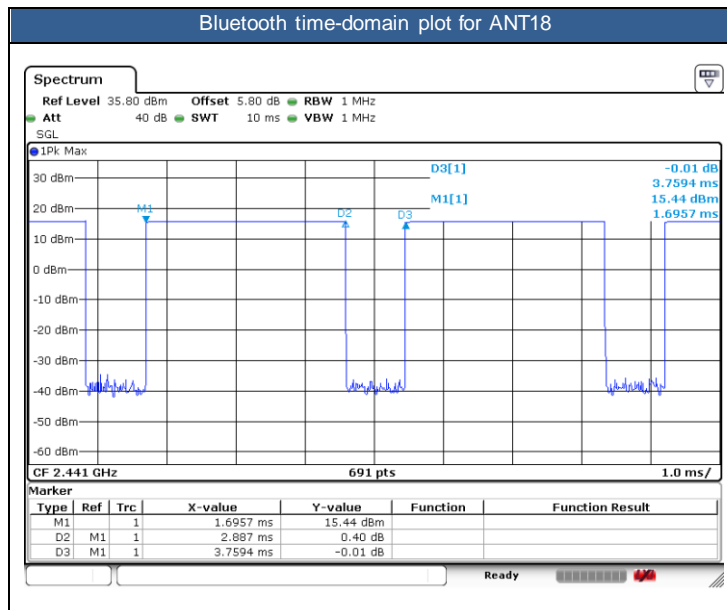
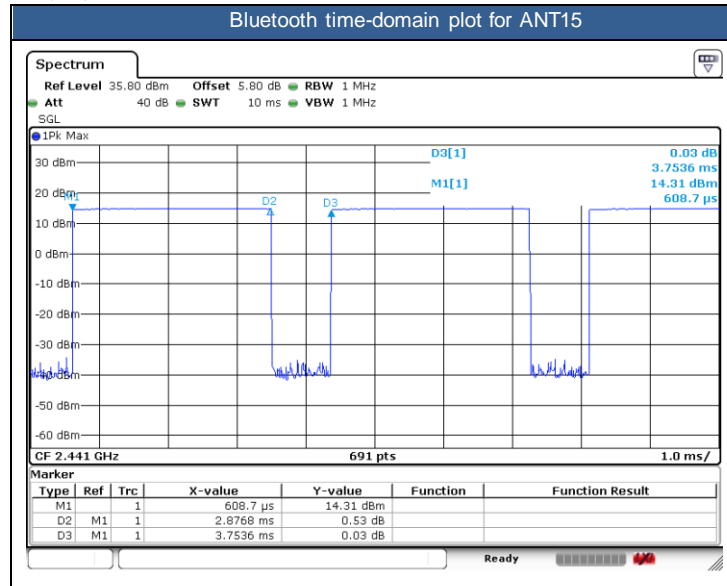
of MIMO mode. For WLAN SISO & MIMO mode, the whole testing has assessed only MIMO mode by referring to their higher conducted power, so only chose MIMO power to perform SAR testing.

- 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:**

- For 2.4GHz Bluetooth SAR testing was selected 1Mbps, due to its highest average power.
- The Bluetooth duty cycle is 76.64 % for ANT15, and 76.79 % for ANT18 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





## **15. Antenna Location**

The detailed antenna location information can refer to SAR Test Setup Photos.



## **16. SAR Test Results**

### **General Note:**

1. Per KDB 447498 D01v06, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
  - a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
  - b. For SAR testing of 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, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix  $63.3\%/62.9\% = 1.006$  is applied to scale-up the measured SAR result. The Reported TDD LTE SAR = measured SAR (W/kg)\* Tune-up Scaling Factor\* scaling factor for extended cyclic prefix.
2. Per KDB 447498 D01v06, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the *reported* 1-g or 10-g SAR for the mid-band or highest output power channel is:
  - $\leq 0.8$  W/kg or  $2.0$  W/kg, for 1-g or 10-g respectively, when the transmission band is  $\leq 100$  MHz
  - $\leq 0.6$  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
  - $\leq 0.4$  W/kg or  $1.0$  W/kg, for 1-g or 10-g respectively, when the transmission band is  $\geq 200$  MHz
3. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required when the measured SAR is  $\geq 0.8$ W/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. For dual SIM card mobile has two SIM slots and supports dual SIM dual standby. The WWAN radio transmission will be enabled by either one SIM at a time (single active). After pre-scan two SIM cards power, we found test result of the SIM1 was the worse, so we chose SIM1 slot to perform all tests.
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.
6. For WLAN when transmit simultaneous with WWAN, power reduction will be activated to head, hotspot, body-worn and extremity.
7. For 5G NR n77/n78 HPUE, 5G NR n77/n78 PC2 Maximum Duty Cycle is 50%, using FTM (Factory Test Mode) with 50% duty cycle is considered during SAR testing. For 5G NR other bands test, using FTM (Factory Test Mode) with default 100% duty cycle transmission to perform SAR testing.
8. 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 SAR can represent NSA mode SAR.
9. 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.
10. 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.
11. 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.
12. 5G NR n77/n78 supports HPUE, HPUE power and SAR testing performed separately.
13. 5G NR n77/n78 HUPE with higher power. 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.
14. 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 extremity 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. LTE Band 2, and 5GNR n77, n78 are 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.
15. LTE band B2/4/7/66/38/41 at ant3/4/6 and 5GNR n7/38/41/66 at ant3/4/6 support different PAs for some antennas, and LTE/NR bands support Other PA only under ENDC & UL CA. For the maximum power of Main PA is higher than and very close to the other PA, for RF exposure, after verification all PAs in a same position, we choose the main PA to perform full SAR tested to ensure the RF exposure is compliance.
16. LTE Band 48 should be set to NS\_01 to measure the conducted power and performed full SAR testing for conservatively evaluation.

**GSM Note:**

1. Per KDB 941225 D01v03r01, for SAR test reduction for GSM / GPRS / EDGE modes is determined by the source-based time-averaged output power including tune-up tolerance. The mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.
2. Other configurations of GSM / GPRS / EDGE are considered as secondary modes. The 3G SAR test reduction procedure is applied, when the maximum output power and tune-up tolerance specified for production units in a secondary mode is  $\leq$  ¼ dB higher than the primary mode, SAR measurement is not required for the secondary mode.

**WCDMA 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  $\leq$  ¼ dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA / DC-HSDPA / HSPA+ to RMC12.2Kbps and the adjusted SAR is  $\leq$  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 (HSDPA / HSUPA / DC-HSDPA / HSPA+) are less than ¼ 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  $\leq$  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 ½ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is  $\leq$  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 ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is  $\leq$  1.45 W/kg; Per KDB 941225 D05v02r05, smaller bandwidth SAR testing is not required.
6. For LTE B4 / B5 / B12 / B17 / B26/ B38 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 B2 / B4 / B5 / B17 / B38 SAR test was covered by B25 / B66 / B26 / B12 / B41; according to April 2015 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  $\leq 0.8$  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 QPSK, 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  $\leq 1.45$  W/kg, smaller bandwidth SAR testing is not required for this device
  - f. For 5G FR1 n5/n7/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  $\leq 1.2$  W/kg.
2. Per KDB 248227 D01v02r02, U-NII-1 SAR testing is not required when the U-NII-2A band highest reported SAR for a test configuration is  $\leq 1.2$  W/kg, SAR is not required for U-NII-1 band.
3. When the reported SAR of the test position is  $> 0.4$  W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is  $\leq 0.8$  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  $\leq 1.2$  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 SISO mode power is less than per chain power of MIMO mode. For WLAN SISO & MIMO mode, the whole testing has assessed only MIMO mode by referring to their higher conducted power, so only chose MIMO power to perform SAR testing.

**DSI status description:**

The device has the following DSI state which used at different exposure condition.

This WWAN bands enabled with Qualcomm Smart Transmit feature which located at chapter 5. The default power is Pmax power, When Plimit power higher than Pmax power, the output power will be limited at Pmax, and so the SAR will use Pmax power to do the testing.

Exposure Condition	DSI
Head SAR	DSI 1
Body worn Mode SAR	DSI 4
Hotspot Mode SAR	DSI 5
Extremity(Handheld) SAR	DSI 3



16.1 Head 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)	
<b>750MHz</b>																			
	LTE Band 12	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DS1f	23095	707.5	25.14	25.70	1.138	-0.04	0.172	0.196	
	LTE Band 12	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 0	DS1f	23095	707.5	25.12	25.70	1.143	-0.14	0.168	0.192	
	LTE Band 12	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DS1f	23095	707.5	25.14	25.70	1.138	0.07	0.138	0.157	
	LTE Band 12	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 0	DS1f	23095	707.5	25.12	25.70	1.143	0.06	0.143	0.163	
	LTE Band 12	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DS1f	23095	707.5	25.14	25.70	1.138	0.06	0.162	0.184	
	LTE Band 12	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 0	DS1f	23095	707.5	25.12	25.70	1.143	-0.01	0.162	0.185	
	LTE Band 12	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DS1f	23095	707.5	25.14	25.70	1.138	0.02	0.091	0.104	
	LTE Band 12	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 0	DS1f	23095	707.5	25.12	25.70	1.143	-0.07	0.089	0.102	
	LTE Band 12	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DS1f	23095	707.5	21.24	22.70	1.400	0.03	0.190	0.266	
	LTE Band 12	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 1	DS1f	23095	707.5	21.20	22.70	1.413	0.08	0.181	0.256	
	LTE Band 12	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DS1f	23095	707.5	21.24	22.70	1.400	0.04	0.048	0.067	
	LTE Band 12	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 1	DS1f	23095	707.5	21.20	22.70	1.413	-0.16	0.043	0.061	
01	LTE Band 12	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DS1f	23095	707.5	21.24	22.70	1.400	-0.05	0.346	<b>0.484</b>	
	LTE Band 12	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 1	DS1f	23095	707.5	21.20	22.70	1.413	0.05	0.293	0.414	
	LTE Band 12	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DS1f	23095	707.5	21.24	22.70	1.400	0.08	0.052	0.073	
	LTE Band 12	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 1	DS1f	23095	707.5	21.20	22.70	1.413	0.02	0.043	0.061	
	LTE Band 13	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DS1f	23230	782	25.06	25.60	1.132	0.02	0.227	0.257	
	LTE Band 13	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 0	DS1f	23230	782	25.02	25.60	1.143	0.07	0.223	0.255	
	LTE Band 13	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DS1f	23230	782	25.06	25.60	1.132	0.16	0.137	0.155	
	LTE Band 13	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 0	DS1f	23230	782	25.02	25.60	1.143	-0.15	0.137	0.157	
	LTE Band 13	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DS1f	23230	782	25.06	25.60	1.132	0.07	0.149	0.169	
	LTE Band 13	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 0	DS1f	23230	782	25.02	25.60	1.143	0.1	0.148	0.169	
	LTE Band 13	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DS1f	23230	782	25.06	25.60	1.132	-0.07	0.101	0.114	
	LTE Band 13	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 0	DS1f	23230	782	25.02	25.60	1.143	0.17	0.098	0.112	
	LTE Band 13	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DS1f	23230	782	21.23	22.70	1.403	-0.14	0.359	0.504	
	LTE Band 13	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 1	DS1f	23230	782	21.22	22.70	1.406	0.09	0.351	0.494	
	LTE Band 13	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DS1f	23230	782	21.23	22.70	1.403	-0.09	0.116	0.163	
	LTE Band 13	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 1	DS1f	23230	782	21.22	22.70	1.406	0.07	0.096	0.135	
02	LTE Band 13	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DS1f	23230	782	21.23	22.70	1.403	0.09	0.622	<b>0.873</b>	
	LTE Band 13	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 1	DS1f	23230	782	21.22	22.70	1.406	0.08	0.612	0.861	
	LTE Band 13	10M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DS1f	23230	782	21.19	22.70	1.416	0.06	0.580	0.821	
	LTE Band 13	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DS1f	23230	782	21.23	22.70	1.403	0.19	0.096	0.135	
	LTE Band 13	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 1	DS1f	23230	782	21.22	22.70	1.406	-0.06	0.104	0.146	
	LTE Band 17	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DS1f	23790	710	24.43	25.70	1.340	0.19	0.575	0.770	
	LTE Band 17	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 1	DS1f	23790	710	24.36	25.70	1.361	0.12	0.621	0.845	
	LTE Band 17	10M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DS1f	23790	710	24.31	25.70	1.377	0.01	0.583	0.803	
	LTE Band 17	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DS1f	23790	710	24.43	25.70	1.340	0.07	0.109	0.146	
	LTE Band 17	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 1	DS1f	23790	710	24.36	25.70	1.361	0.07	0.129	0.176	
	LTE Band 17	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DS1f	23790	710	24.43	25.70	1.340	-0.02	0.657	0.880	
03	LTE Band 17	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 1	DS1f	23790	710	24.36	25.70	1.361	-0.01	0.770	<b>1.048</b>	
	LTE Band 17	10M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DS1f	23790	710	24.31	25.70	1.377	0.04	0.675	0.930	
	LTE Band 17	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DS1f	23790	710	24.43	25.70	1.340	0.05	0.111	0.149	
	LTE Band 17	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 1	DS1f	23790	710	24.36	25.70	1.361	0.06	0.127	0.173	
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DS1f	136100	680.5	24.80	25.70	1.230	0.03	0.104	0.128	
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DS1f	136100	680.5	24.76	25.70	1.242	-0.02	0.105	0.130	
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	DS1f	136100	680.5	24.80	25.70	1.230	0.02	0.062	0.076	
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	DS1f	136100	680.5	24.76	25.70	1.242	0.01	0.056	0.070	
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	DS1f	136100	680.5	24.80	25.70	1.230	0.15	0.095	0.117	
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	DS1f	136100	680.5	24.76	25.70	1.242	0.13	0.087	0.108	
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 0	DS1f	136100	680.5	24.80	25.70	1.230	0.05	0.050	0.062	
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Left Tilted	0mm	Ant 0	DS1f	136100	680.5	24.76	25.70	1.242	0.01	0.000	0.000	





**FCC SAR Test Report**

**Report No. : FA291702**

	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	DS11	136100	680.5	24.51	25.70	1.315	0.03	0.430	0.566	
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	DS11	136100	680.5	24.49	25.70	1.321	0.13	0.322	0.425	
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	DS11	136100	680.5	24.51	25.70	1.315	0.15	0.080	0.105	
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	DS11	136100	680.5	24.49	25.70	1.321	0.01	0.063	0.083	
04	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	DS11	136100	680.5	24.51	25.70	1.315	-0.09	0.539	<b>0.709</b>	
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	DS11	136100	680.5	24.49	25.70	1.321	0.06	0.410	0.542	
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 1	DS11	136100	680.5	24.51	25.70	1.315	0.04	0.105	0.138	
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Left Tilted	0mm	Ant 1	DS11	136100	680.5	24.49	25.70	1.321	0.16	0.072	0.095	
<b>835MHz</b>																			
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Right Cheek	0mm	Ant 0	DS11	189	836.4	27.04	27.40	1.086	0.01	0.179	0.194	
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Right Tilted	0mm	Ant 0	DS11	189	836.4	27.04	27.40	1.086	0.09	0.100	0.109	
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Left Cheek	0mm	Ant 0	DS11	189	836.4	27.04	27.40	1.086	-0.13	0.123	0.134	
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Left Tilted	0mm	Ant 0	DS11	189	836.4	27.04	27.40	1.086	0.09	0.081	0.088	
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Right Cheek	0mm	Ant 1	DS11	189	836.4	22.09	23.50	1.384	-0.07	0.343	0.475	
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Right Tilted	0mm	Ant 1	DS11	189	836.4	22.09	23.50	1.384	0.13	0.059	0.082	
05	GSM850	-	-	-	-	GPRS (4 Tx slots)	Left Cheek	0mm	Ant 1	DS11	189	836.4	22.09	23.50	1.384	-0.05	0.405	<b>0.560</b>	
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Left Tilted	0mm	Ant 1	DS11	189	836.4	22.09	23.50	1.384	0.01	0.074	0.102	
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 0	DS11	4182	836.4	24.28	25.00	1.180	0.01	0.166	0.196	
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 0	DS11	4182	836.4	24.28	25.00	1.180	0.06	0.108	0.127	
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 0	DS11	4182	836.4	24.28	25.00	1.180	0.04	0.141	0.166	
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 0	DS11	4182	836.4	24.28	25.00	1.180	-0.11	0.089	0.105	
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DS11	4182	836.4	20.17	21.70	1.422	0.06	0.397	0.565	
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 1	DS11	4182	836.4	20.17	21.70	1.422	0.07	0.111	0.158	
06	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 1	DS11	4182	836.4	20.17	21.70	1.422	-0.05	0.592	<b>0.842</b>	
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 1	DS11	4132	826.4	20.09	21.70	1.449	0.05	0.485	0.703	
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 1	DS11	4233	846.6	20.13	21.70	1.435	0.04	0.513	0.736	
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 1	DS11	4182	836.4	20.17	21.70	1.422	-0.18	0.107	0.152	
	LTE Band 5	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DS11	20525	836.5	20.62	22.20	1.439	0.03	0.560	0.806	
	LTE Band 5	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 1	DS11	20525	836.5	20.57	22.20	1.455	0.01	0.579	0.843	
	LTE Band 5	10M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DS11	20525	836.5	20.50	22.20	1.479	0.01	0.551	0.815	
	LTE Band 5	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DS11	20525	836.5	20.62	22.20	1.439	0.02	0.104	0.150	
	LTE Band 5	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 1	DS11	20525	836.5	20.57	22.20	1.455	0.05	0.111	0.162	
	LTE Band 5	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DS11	20525	836.5	20.62	22.20	1.439	0.06	0.691	0.994	
07	LTE Band 5	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 1	DS11	20525	836.5	20.57	22.20	1.455	0.01	0.727	<b>1.058</b>	
	LTE Band 5	10M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DS11	20525	836.5	20.50	22.20	1.479	0.07	0.694	1.027	
	LTE Band 5	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DS11	20525	836.5	20.62	22.20	1.439	0.04	0.107	0.154	
	LTE Band 5	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 1	DS11	20525	836.5	20.57	22.20	1.455	0.13	0.110	0.160	
	LTE Band 26	15M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DS11	26865	831.5	25.14	25.70	1.138	-0.01	0.372	0.423	
	LTE Band 26	15M	QPSK	36	0	-	Right Cheek	0mm	Ant 0	DS11	26865	831.5	25.06	25.70	1.159	0.08	0.362	0.419	
	LTE Band 26	15M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DS11	26865	831.5	25.14	25.70	1.138	0.17	0.216	0.246	
	LTE Band 26	15M	QPSK	36	0	-	Right Tilted	0mm	Ant 0	DS11	26865	831.5	25.06	25.70	1.159	0.04	0.211	0.245	
	LTE Band 26	15M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DS11	26865	831.5	25.14	25.70	1.138	0.03	0.203	0.231	
	LTE Band 26	15M	QPSK	36	0	-	Left Cheek	0mm	Ant 0	DS11	26865	831.5	25.06	25.70	1.159	0.09	0.000	0.000	
	LTE Band 26	15M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DS11	26865	831.5	25.14	25.70	1.138	0.12	0.163	0.185	
	LTE Band 26	15M	QPSK	36	0	-	Left Tilted	0mm	Ant 0	DS11	26865	831.5	25.06	25.70	1.159	0.13	0.154	0.178	
	LTE Band 26	15M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DS11	26865	831.5	20.09	21.70	1.449	0.12	0.337	0.488	
	LTE Band 26	15M	QPSK	36	0	-	Right Cheek	0mm	Ant 1	DS11	26865	831.5	20.01	21.70	1.476	-0.02	0.337	0.497	
	LTE Band 26	15M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DS11	26865	831.5	20.09	21.70	1.449	0.1	0.076	0.110	
	LTE Band 26	15M	QPSK	36	0	-	Right Tilted	0mm	Ant 1	DS11	26865	831.5	20.01	21.70	1.476	-0.09	0.069	0.102	
08	LTE Band 26	15M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DS11	26865	831.5	20.09	21.70	1.449	-0.01	0.560	<b>0.811</b>	
	LTE Band 26	15M	QPSK	36	0	-	Left Cheek	0mm	Ant 1	DS11	26865	831.5	20.01	21.70	1.476	0.15	0.517	0.763	
	LTE Band 26	15M	QPSK	75	0	-	Left Cheek	0mm	Ant 1	DS11	26865	831.5	19.99	21.70	1.483	0.15	0.504	0.747	
	LTE Band 26	15M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DS11	26865	831.5	20.09	21.70	1.449	0.05	0.083	0.120	
	LTE Band 26	15M	QPSK	36	0	-	Left Tilted	0mm	Ant 1	DS11	26865	831.5	20.01	21.70	1.476	0.06	0.077	0.114	
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DS11	167300	836.5	25.40	25.70	1.072	-0.04	0.448	0.480	
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DS11	167300	836.5	25.33	25.70	1.089	0.01	0.399	0.434	



	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	DS11	167300	836.5	25.40	25.70	1.072	0.18	0.292	0.313
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	DS11	167300	836.5	25.33	25.70	1.089	0.02	0.256	0.279
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	DS11	167300	836.5	25.40	25.70	1.072	0.06	0.336	0.360
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	DS11	167300	836.5	25.33	25.70	1.089	0.09	0.324	0.353
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 0	DS11	167300	836.5	25.40	25.70	1.072	0.04	0.235	0.252
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Left Tilted	0mm	Ant 0	DS11	167300	836.5	25.33	25.70	1.089	0.06	0.209	0.228
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	DS11	167300	836.5	19.94	21.20	1.337	0.07	0.436	0.583
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	DS11	167300	836.5	19.84	21.20	1.368	0.08	0.460	0.629
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	DS11	167300	836.5	19.94	21.20	1.337	0.03	0.074	0.099
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	DS11	167300	836.5	19.84	21.20	1.368	-0.02	0.087	0.119
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	DS11	167300	836.5	19.94	21.20	1.337	0.17	0.489	0.654
09	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	DS11	167300	836.5	19.84	21.20	1.368	0.05	0.560	0.766
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 1	DS11	167300	836.5	19.94	21.20	1.337	-0.07	0.081	0.108
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Left Tilted	0mm	Ant 1	DS11	167300	836.5	19.84	21.20	1.368	-0.09	0.091	0.124
<b>1750MHz</b>																		
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 3	DS11	1413	1732.6	24.21	24.90	1.172	0.02	0.102	0.120
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 3	DS11	1413	1732.6	24.21	24.90	1.172	0.02	0.065	0.076
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 3	DS11	1413	1732.6	24.21	24.90	1.172	0.11	0.086	0.101
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 3	DS11	1413	1732.6	24.21	24.90	1.172	-0.07	0.047	0.055
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 0	DS11	1413	1732.6	22.39	23.70	1.352	-0.1	0.000	0.000
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 0	DS11	1413	1732.6	22.39	23.70	1.352	0.18	0.000	0.000
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 0	DS11	1413	1732.6	22.39	23.70	1.352	0.01	0.046	0.062
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 0	DS11	1413	1732.6	22.39	23.70	1.352	0.03	0.000	0.000
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 4	DS11	1413	1732.6	15.30	16.60	1.349	-0.06	0.675	0.911
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 4	DS11	1312	1712.4	15.12	16.60	1.406	0.03	0.621	0.873
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 4	DS11	1513	1752.6	15.17	16.60	1.390	0.01	0.641	0.891
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DS11	1413	1732.6	15.30	16.60	1.349	0.07	0.664	0.896
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DS11	1312	1712.4	15.12	16.60	1.406	0.06	0.621	0.873
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DS11	1513	1752.6	15.17	16.60	1.390	0.01	0.635	0.883
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 4	DS11	1413	1732.6	15.30	16.60	1.349	0.01	0.442	0.596
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 4	DS11	1413	1732.6	15.30	16.60	1.349	0.05	0.541	0.730
10	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 6	DS11	1413	1732.6	16.57	17.70	1.297	-0.08	0.839	1.088
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 6	DS11	1312	1712.4	16.48	17.70	1.324	-0.08	0.803	1.063
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 6	DS11	1513	1752.6	16.40	17.70	1.349	-0.08	0.781	1.054
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 6	DS11	1413	1732.6	16.57	17.70	1.297	0.03	0.376	0.488
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 6	DS11	1413	1732.6	16.57	17.70	1.297	0.02	0.263	0.341
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 6	DS11	1413	1732.6	16.57	17.70	1.297	-0.04	0.137	0.178
	LTE Band 4	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DS11	20175	1732.5	25.01	25.50	1.119	0.03	0.221	0.247
	LTE Band 4	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DS11	20175	1732.5	24.96	25.50	1.132	-0.04	0.224	0.254
	LTE Band 4	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	DS11	20175	1732.5	25.01	25.50	1.119	-0.18	0.069	0.077
	LTE Band 4	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 3	DS11	20175	1732.5	24.96	25.50	1.132	0.14	0.066	0.075
	LTE Band 4	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 3	DS11	20175	1732.5	25.01	25.50	1.119	0.04	0.159	0.178
	LTE Band 4	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 3	DS11	20175	1732.5	24.96	25.50	1.132	0.09	0.160	0.181
	LTE Band 4	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 3	DS11	20175	1732.5	25.01	25.50	1.119	-0.03	0.077	0.086
	LTE Band 4	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 3	DS11	20175	1732.5	24.96	25.50	1.132	0.03	0.079	0.089
	LTE Band 4	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DS11	20175	1732.5	24.08	25.50	1.387	-0.07	0.038	0.053
	LTE Band 4	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DS11	20175	1732.5	24.02	25.50	1.406	-0.13	0.036	0.051
	LTE Band 4	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DS11	20175	1732.5	24.08	25.50	1.387	-0.14	0.000	0.000
	LTE Band 4	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	DS11	20175	1732.5	24.02	25.50	1.406	-0.04	0.000	0.000
	LTE Band 4	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DS11	20175	1732.5	24.08	25.50	1.387	-0.01	0.060	0.083
	LTE Band 4	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DS11	20175	1732.5	24.02	25.50	1.406	0.06	0.057	0.080
	LTE Band 4	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DS11	20175	1732.5	24.08	25.50	1.387	0.19	0.000	0.000
	LTE Band 4	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	DS11	20175	1732.5	24.02	25.50	1.406	-0.18	0.000	0.000
	LTE Band 4	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DS11	20175	1732.5	16.07	16.70	1.156	-0.17	0.821	0.949
	LTE Band 4	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DS11	20175	1732.5	15.90	16.70	1.202	-0.18	0.820	0.986
	LTE Band 4	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 4	DS11	20175	1732.5	15.88	16.70	1.208	-0.14	0.823	0.994



	LTE Band 4	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DS11	20175	1732.5	16.07	16.70	1.156	0.02	0.863	0.998
	LTE Band 4	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DS11	20175	1732.5	15.90	16.70	1.202	0.07	0.822	0.988
	LTE Band 4	20M	QPSK	100	0	-	Right Tilted	0mm	Ant 4	DS11	20175	1732.5	15.88	16.70	1.208	0.07	0.825	0.996
	LTE Band 4	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 4	DS11	20175	1732.5	16.07	16.70	1.156	0.04	0.551	0.637
	LTE Band 4	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 4	DS11	20175	1732.5	15.90	16.70	1.202	-0.04	0.538	0.647
	LTE Band 4	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 4	DS11	20175	1732.5	16.07	16.70	1.156	0.08	0.659	0.762
	LTE Band 4	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 4	DS11	20175	1732.5	15.90	16.70	1.202	-0.04	0.664	0.798
	LTE Band 4	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 6	DS11	20175	1732.5	15.76	16.90	1.300	0.09	0.734	0.954
	LTE Band 4	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 6	DS11	20175	1732.5	15.74	16.90	1.306	0.03	0.755	0.986
11	LTE Band 4	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 6	DS11	20175	1732.5	15.62	16.90	1.343	-0.06	0.760	1.021
	LTE Band 4	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 6	DS11	20175	1732.5	15.76	16.90	1.300	0.04	0.237	0.308
	LTE Band 4	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 6	DS11	20175	1732.5	15.74	16.90	1.306	0.04	0.256	0.334
	LTE Band 4	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 6	DS11	20175	1732.5	15.76	16.90	1.300	-0.09	0.184	0.239
	LTE Band 4	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 6	DS11	20175	1732.5	15.74	16.90	1.306	0.03	0.198	0.259
	LTE Band 4	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 6	DS11	20175	1732.5	15.76	16.90	1.300	-0.03	0.095	0.124
	LTE Band 4	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 6	DS11	20175	1732.5	15.74	16.90	1.306	-0.11	0.109	0.142
	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DS11	132322	1745	24.33	24.90	1.140	-0.01	0.168	0.192
	LTE Band 66	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DS11	132322	1745	24.31	24.90	1.146	0.04	0.163	0.187
	LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	DS11	132322	1745	24.33	24.90	1.140	0.14	0.001	0.001
	LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 3	DS11	132322	1745	24.31	24.90	1.146	0.06	0.001	0.001
	LTE Band 66	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 3	DS11	132322	1745	24.33	24.90	1.140	-0.15	0.126	0.144
	LTE Band 66	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 3	DS11	132322	1745	24.31	24.90	1.146	0.04	0.121	0.139
	LTE Band 66	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 3	DS11	132322	1745	24.33	24.90	1.140	-0.02	0.058	0.066
	LTE Band 66	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 3	DS11	132322	1745	24.31	24.90	1.146	0.17	0.064	0.073
	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DS11	132322	1745	22.86	24.30	1.393	0.02	0.049	0.068
	LTE Band 66	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DS11	132322	1745	22.84	24.30	1.400	-0.08	0.050	0.070
	LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DS11	132322	1745	22.86	24.30	1.393	0.03	0.000	0.000
	LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	DS11	132322	1745	22.84	24.30	1.400	0.09	0.000	0.000
	LTE Band 66	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DS11	132322	1745	22.86	24.30	1.393	0.02	0.058	0.081
	LTE Band 66	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DS11	132322	1745	22.84	24.30	1.400	0.07	0.057	0.080
	LTE Band 66	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DS11	132322	1745	22.86	24.30	1.393	0.04	0.000	0.000
	LTE Band 66	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	DS11	132322	1745	22.84	24.30	1.400	0.04	0.000	0.000
	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DS11	132322	1745	16.08	16.70	1.153	-0.16	0.770	0.888
	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DS11	132072	1720	16.01	16.70	1.172	-0.11	0.704	0.825
	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DS11	132572	1770	16.03	16.70	1.167	-0.05	0.829	0.967
	LTE Band 66	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DS11	132322	1745	16.04	16.70	1.164	-0.15	0.769	0.895
	LTE Band 66	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DS11	132072	1720	16.01	16.70	1.172	0.04	0.739	0.866
	LTE Band 66	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DS11	132572	1770	15.86	16.70	1.213	0.02	0.765	0.928
	LTE Band 66	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 4	DS11	132322	1745	16.03	16.70	1.167	0.06	0.790	0.922
	LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DS11	132322	1745	16.08	16.70	1.153	0.15	0.771	0.889
	LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DS11	132072	1720	16.01	16.70	1.172	0.11	0.710	0.832
	LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DS11	132572	1770	16.03	16.70	1.167	0.05	0.770	0.898
	LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DS11	132322	1745	16.04	16.70	1.164	0.17	0.736	0.857
	LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DS11	132072	1720	16.01	16.70	1.172	-0.16	0.714	0.837
	LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DS11	132572	1770	15.86	16.70	1.213	0.07	0.765	0.928
	LTE Band 66	20M	QPSK	100	0	-	Right Tilted	0mm	Ant 4	DS11	132322	1745	16.03	16.70	1.167	0.03	0.736	0.859
	LTE Band 66	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 4	DS11	132322	1745	16.08	16.70	1.153	0.16	0.479	0.553
	LTE Band 66	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 4	DS11	132322	1745	16.04	16.70	1.164	0.03	0.475	0.553
	LTE Band 66	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 4	DS11	132322	1745	16.08	16.70	1.153	0.12	0.579	0.668
	LTE Band 66	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 4	DS11	132322	1745	16.04	16.70	1.164	0.08	0.566	0.659
12	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 6	DS11	132322	1745	15.49	16.70	1.321	-0.09	0.791	1.045
	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 6	DS11	132072	1720	15.43	16.70	1.340	-0.14	0.699	0.936
	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 6	DS11	132572	1770	15.42	16.70	1.343	0.06	0.646	0.867
	LTE Band 66	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 6	DS11	132322	1745	15.46	16.70	1.330	0.04	0.699	0.930
	LTE Band 66	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 6	DS11	132072	1720	15.43	16.70	1.340	0.01	0.693	0.928
	LTE Band 66	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 6	DS11	132572	1770	15.37	16.70	1.358	-0.02	0.672	0.913



	LTE Band 66	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 6	DS11	132322	1745	15.44	16.70	1.337	0.03	0.622	0.831
	LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 6	DS11	132322	1745	15.49	16.70	1.321	0.07	0.229	0.303
	LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 6	DS11	132322	1745	15.46	16.70	1.330	-0.05	0.233	0.310
	LTE Band 66	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 6	DS11	132322	1745	15.49	16.70	1.321	0.04	0.178	0.235
	LTE Band 66	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 6	DS11	132322	1745	15.46	16.70	1.330	0.01	0.186	0.247
	LTE Band 66	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 6	DS11	132322	1745	15.49	16.70	1.321	-0.12	0.106	0.140
	LTE Band 66	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 6	DS11	132322	1745	15.46	16.70	1.330	0.05	0.108	0.144
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 3	DS11	349000	1745	25.27	25.70	1.104	0.18	0.214	0.236
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Right Cheek	0mm	Ant 3	DS11	349000	1745	25.18	25.70	1.127	0.16	0.191	0.215
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 3	DS11	349000	1745	25.27	25.70	1.104	-0.14	0.126	0.139
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Right Tilted	0mm	Ant 3	DS11	349000	1745	25.18	25.70	1.127	-0.1	0.112	0.126
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 3	DS11	349000	1745	25.27	25.70	1.104	0.03	0.197	0.218
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Cheek	0mm	Ant 3	DS11	349000	1745	25.18	25.70	1.127	-0.02	0.183	0.206
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 3	DS11	349000	1745	25.27	25.70	1.104	0.06	0.099	0.109
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Tilted	0mm	Ant 3	DS11	349000	1745	25.18	25.70	1.127	0.09	0.095	0.107
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DS11	349000	1745	24.43	25.70	1.340	-0.03	0.075	0.100
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DS11	349000	1745	24.21	25.70	1.409	0.04	0.065	0.092
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	DS11	349000	1745	24.43	25.70	1.340	0.03	0.000	0.000
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	DS11	349000	1745	24.21	25.70	1.409	0.03	0.000	0.000
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	DS11	349000	1745	24.43	25.70	1.340	0.03	0.088	0.118
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	DS11	349000	1745	24.21	25.70	1.409	0.01	0.091	0.128
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 0	DS11	349000	1745	24.43	25.70	1.340	0.05	0.000	0.000
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Tilted	0mm	Ant 0	DS11	349000	1745	24.21	25.70	1.409	-0.08	0.000	0.000
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 4	DS11	349000	1745	16.27	16.70	1.104	0.04	0.853	0.942
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Right Cheek	0mm	Ant 4	DS11	349000	1745	16.25	16.70	1.109	-0.17	0.917	1.017
13	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Right Cheek	0mm	Ant 4	DS11	349000	1745	16.13	16.70	1.140	0.11	0.940	1.072
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 4	DS11	349000	1745	16.27	16.70	1.104	0.09	0.826	0.912
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Right Tilted	0mm	Ant 4	DS11	349000	1745	16.25	16.70	1.109	-0.09	0.880	0.976
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Right Tilted	0mm	Ant 4	DS11	349000	1745	16.13	16.70	1.140	0.02	0.888	1.013
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 4	DS11	349000	1745	16.27	16.70	1.104	0.06	0.409	0.452
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Cheek	0mm	Ant 4	DS11	349000	1745	16.25	16.70	1.109	0.08	0.427	0.474
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 4	DS11	349000	1745	16.27	16.70	1.104	0.07	0.558	0.616
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Tilted	0mm	Ant 4	DS11	349000	1745	16.25	16.70	1.109	-0.16	0.615	0.682
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 6	DS11	349000	1745	16.02	16.70	1.169	0.06	0.727	0.850
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Right Cheek	0mm	Ant 6	DS11	349000	1745	15.98	16.70	1.180	0.03	0.774	0.914
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Right Cheek	0mm	Ant 6	DS11	349000	1745	15.88	16.70	1.208	0.04	0.715	0.864
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 6	DS11	349000	1745	16.02	16.70	1.169	0.04	0.233	0.272
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Right Tilted	0mm	Ant 6	DS11	349000	1745	15.98	16.70	1.180	-0.11	0.253	0.299
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 6	DS11	349000	1745	16.02	16.70	1.169	0.08	0.167	0.195
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Cheek	0mm	Ant 6	DS11	349000	1745	15.98	16.70	1.180	0.04	0.194	0.229
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 6	DS11	349000	1745	16.02	16.70	1.169	-0.02	0.087	0.102
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Tilted	0mm	Ant 6	DS11	349000	1745	15.98	16.70	1.180	0.07	0.092	0.109
<b>1900MHz</b>																		
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Right Cheek	0mm	Ant 3	DS11	661	1880	23.46	24.40	1.242	0.01	0.007	0.009
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Right Tilted	0mm	Ant 3	DS11	661	1880	23.46	24.40	1.242	0.1	0.001	0.001
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Left Cheek	0mm	Ant 3	DS11	661	1880	23.46	24.40	1.242	-0.06	0.001	0.001
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Left Tilted	0mm	Ant 3	DS11	661	1880	23.46	24.40	1.242	-0.06	0.001	0.001
14	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Right Cheek	0mm	Ant 4	DS11	661	1880	18.58	20.00	1.387	0.05	0.610	0.846
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Right Cheek	0mm	Ant 4	DS11	512	1850.2	18.46	20.00	1.426	0.08	0.584	0.833
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Right Cheek	0mm	Ant 4	DS11	810	1909.8	18.50	20.00	1.413	-0.02	0.595	0.840
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Right Tilted	0mm	Ant 4	DS11	661	1880	18.58	20.00	1.387	-0.05	0.559	0.775
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Left Cheek	0mm	Ant 4	DS11	661	1880	18.58	20.00	1.387	0.05	0.271	0.376
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Left Tilted	0mm	Ant 4	DS11	661	1880	18.58	20.00	1.387	0.04	0.400	0.555
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 3	DS11	9400	1880	24.34	25.10	1.191	0.04	0.066	0.079
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 3	DS11	9400	1880	24.34	25.10	1.191	-0.17	0.054	0.064
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 3	DS11	9400	1880	24.34	25.10	1.191	-0.15	0.059	0.070





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	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 3	DS11	9400	1880	24.34	25.10	1.191	-0.05	0.046	0.055
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 4	DS11	9400	1880	16.74	17.90	1.306	0.12	0.753	0.984
15	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 4	DS11	9262	1852.4	16.66	17.90	1.330	-0.01	0.820	<b>1.091</b>
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 4	DS11	9538	1907.6	16.72	17.90	1.312	0.05	0.653	0.857
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DS11	9400	1880	16.74	17.90	1.306	-0.17	0.686	0.896
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DS11	9262	1852.4	16.66	17.90	1.330	0.06	0.757	1.007
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DS11	9538	1907.6	16.72	17.90	1.312	-0.14	0.592	0.777
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 4	DS11	9400	1880	16.74	17.90	1.306	0.1	0.338	0.441
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 4	DS11	9400	1880	16.74	17.90	1.306	0.07	0.460	0.601
	LTE Band 2 Other PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 6	DS11	18900	1880	14.95	15.90	1.245	0.03	0.791	0.984
	LTE Band 2 Other PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 6	DS11	18700	1860	14.85	15.90	1.274	0.02	0.718	0.914
16	LTE Band 2 Other PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 6	DS11	19100	1900	14.91	15.90	1.256	-0.09	0.862	<b>1.083</b>
	LTE Band 2 Other PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 6	DS11	18900	1880	14.71	15.90	1.315	0.03	0.633	0.833
	LTE Band 2 Other PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 6	DS11	18700	1860	14.61	15.90	1.346	0.01	0.576	0.775
	LTE Band 2 Other PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 6	DS11	19100	1900	14.69	15.90	1.321	0.05	0.676	0.893
	LTE Band 2 Other PA	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 6	DS11	18900	1880	14.69	15.90	1.321	0.01	0.646	0.854
	LTE Band 2 Other PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 6	DS11	18900	1880	14.95	15.90	1.245	0.03	0.247	0.307
	LTE Band 2 Other PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 6	DS11	18900	1880	14.71	15.90	1.315	0.06	0.188	0.247
	LTE Band 2 Other PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 6	DS11	18900	1880	14.95	15.90	1.245	0.01	0.236	0.294
	LTE Band 2 Other PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 6	DS11	18900	1880	14.71	15.90	1.315	0.03	0.182	0.239
	LTE Band 2 Other PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 6	DS11	18900	1880	14.95	15.90	1.245	0.13	0.090	0.112
	LTE Band 2 Other PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 6	DS11	18900	1880	14.71	15.90	1.315	0.16	0.075	0.099
	LTE Band 25	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DS11	26340	1880	25.12	25.60	1.117	0.01	0.145	0.162
	LTE Band 25	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DS11	26340	1880	25.10	25.60	1.122	0.14	0.139	0.156
	LTE Band 25	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	DS11	26340	1880	25.12	25.60	1.117	0.13	0.114	0.127
	LTE Band 25	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 3	DS11	26340	1880	25.10	25.60	1.122	-0.05	0.114	0.128
	LTE Band 25	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 3	DS11	26340	1880	25.12	25.60	1.117	-0.07	0.123	0.137
	LTE Band 25	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 3	DS11	26340	1880	25.10	25.60	1.122	0.14	0.124	0.139
	LTE Band 25	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 3	DS11	26340	1880	25.12	25.60	1.117	-0.05	0.104	0.116
	LTE Band 25	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 3	DS11	26340	1880	25.10	25.60	1.122	-0.04	0.102	0.114
17	LTE Band 25	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DS11	26340	1880	16.17	17.00	1.211	-0.1	0.725	<b>0.878</b>
	LTE Band 25	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DS11	26140	1860	15.98	17.00	1.265	0.05	0.685	0.866
	LTE Band 25	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DS11	26590	1905	15.98	17.00	1.265	0.02	0.671	0.849
	LTE Band 25	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DS11	26340	1880	16.10	17.00	1.230	0.06	0.706	0.869
	LTE Band 25	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DS11	26140	1860	16.09	17.00	1.233	0.03	0.655	0.808
	LTE Band 25	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DS11	26590	1905	16.05	17.00	1.245	0.05	0.632	0.787
	LTE Band 25	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 4	DS11	26340	1880	16.07	17.00	1.239	0.11	0.654	0.810
	LTE Band 25	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DS11	26340	1880	16.17	17.00	1.211	0.03	0.698	0.845
	LTE Band 25	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DS11	26140	1860	15.98	17.00	1.265	0.04	0.667	0.844
	LTE Band 25	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DS11	26590	1905	15.98	17.00	1.265	0.12	0.598	0.756
	LTE Band 25	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DS11	26340	1880	16.10	17.00	1.230	0.15	0.682	0.839
	LTE Band 25	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DS11	26140	1860	16.09	17.00	1.233	0.07	0.674	0.831
	LTE Band 25	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DS11	26590	1905	16.05	17.00	1.245	0.08	0.680	0.846
	LTE Band 25	20M	QPSK	100	0	-	Right Tilted	0mm	Ant 4	DS11	26340	1880	16.07	17.00	1.239	0.1	0.655	0.811
	LTE Band 25	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 4	DS11	26340	1880	16.17	17.00	1.211	-0.05	0.391	0.473
	LTE Band 25	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 4	DS11	26340	1880	16.10	17.00	1.230	0.05	0.376	0.463
	LTE Band 25	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 4	DS11	26340	1880	16.17	17.00	1.211	0.1	0.509	0.616
	LTE Band 25	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 4	DS11	26340	1880	16.10	17.00	1.230	0.07	0.503	0.619





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)
<b>2600MHz</b>																				
	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DS1	21100	2535	25.28	25.70	1.102	-	-	-0.1	0.194	0.214
	LTE Band 7	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DS1	21100	2535	25.25	25.70	1.109	-	-	-0.04	0.195	0.216
	LTE Band 7C	20M	QPSK	50	50	-	Right Cheek	0mm	Ant 3	DS1	21100+21298	2535+2554.8	23.93	24.70	1.194	-	-	-0.03	0.176	0.210
	LTE Band 7	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	DS1	21100	2535	25.28	25.70	1.102	-	-	-0.05	0.128	0.141
	LTE Band 7	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 3	DS1	21100	2535	25.25	25.70	1.109	-	-	-0.07	0.132	0.146
	LTE Band 7	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 3	DS1	21100	2535	25.28	25.70	1.102	-	-	-0.02	0.123	0.135
	LTE Band 7	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 3	DS1	21100	2535	25.25	25.70	1.109	-	-	0.04	0.125	0.139
	LTE Band 7	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 3	DS1	21100	2535	25.28	25.70	1.102	-	-	0.11	0.132	0.145
	LTE Band 7	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 3	DS1	21100	2535	25.25	25.70	1.109	-	-	0.02	0.128	0.142
	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DS1	21100	2535	23.89	25.20	1.352	-	-	-0.1	0.238	0.322
	LTE Band 7C	20M	QPSK	1	99	-	Right Cheek	0mm	Ant 0	DS1	21100+21298	2535+2554.8	22.56	24.00	1.393	-	-	0.03	0.221	0.308
	LTE Band 7	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DS1	21100	2535	23.81	25.20	1.377	-	-	-0.07	0.227	0.313
	LTE Band 7	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DS1	21100	2535	23.89	25.20	1.352	-	-	0.06	0.185	0.250
	LTE Band 7	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	DS1	21100	2535	23.81	25.20	1.377	-	-	0.12	0.189	0.260
	LTE Band 7	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DS1	21100	2535	23.89	25.20	1.352	-	-	0.15	0.174	0.235
	LTE Band 7	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DS1	21100	2535	23.81	25.20	1.377	-	-	-0.07	0.174	0.240
	LTE Band 7	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DS1	21100	2535	23.89	25.20	1.352	-	-	0.06	0.186	0.251
	LTE Band 7	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	DS1	21100	2535	23.81	25.20	1.377	-	-	0.01	0.188	0.259
	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DS1	21100	2535	16.15	16.70	1.135	-	-	0.01	0.808	0.917
	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DS1	20850	2510	16.04	16.70	1.164	-	-	-0.12	0.772	0.899
	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DS1	21350	2560	16.06	16.70	1.159	-	-	0.05	0.803	0.930
	LTE Band 7	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DS1	21100	2535	16.10	16.70	1.148	-	-	0.09	0.822	0.944
	LTE Band 7	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DS1	20850	2510	15.91	16.70	1.199	-	-	-0.03	0.808	0.969
	LTE Band 7	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DS1	21350	2560	16.01	16.70	1.172	-	-	0.14	0.824	0.966
	LTE Band 7	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 4	DS1	21100	2535	15.99	16.70	1.178	-	-	0.02	0.816	0.961
	LTE Band 7	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DS1	21100	2535	16.15	16.70	1.135	-	-	-0.06	0.852	0.967
	LTE Band 7	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DS1	20850	2510	16.04	16.70	1.164	-	-	0.14	0.842	0.980
	LTE Band 7	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DS1	21350	2560	16.06	16.70	1.159	-	-	0.02	0.861	0.998
	LTE Band 7	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DS1	21100	2535	16.10	16.70	1.148	-	-	0.01	0.856	0.983
	LTE Band 7	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DS1	20850	2510	15.91	16.70	1.199	-	-	0.08	0.843	1.011
18	LTE Band 7	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DS1	21350	2560	16.01	16.70	1.172	-	-	0.01	0.876	<b>1.027</b>
	LTE Band 7C	20M	QPSK	50	50	-	Right Tilted	0mm	Ant 4	DS1	21350+21152	2560+2540.2	15.82	16.70	1.225	-	-	0.05	0.822	1.007
	LTE Band 7	20M	QPSK	100	0	-	Right Tilted	0mm	Ant 4	DS1	21100	2535	15.99	16.70	1.178	-	-	0.07	0.856	1.008
	LTE Band 7	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 4	DS1	21100	2535	16.15	16.70	1.135	-	-	-0.05	0.480	0.545
	LTE Band 7	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 4	DS1	21100	2535	16.10	16.70	1.148	-	-	0.03	0.488	0.560
	LTE Band 7	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 4	DS1	21100	2535	16.15	16.70	1.135	-	-	0.03	0.520	0.590
	LTE Band 7	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 4	DS1	21100	2535	16.10	16.70	1.148	-	-	-0.04	0.536	0.615
	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 6	DS1	21100	2535	15.12	16.20	1.282	-	-	-0.09	0.586	0.751
	LTE Band 7C	20M	QPSK	1	99	-	Right Cheek	0mm	Ant 6	DS1	21100+21298	2535+2554.8	14.98	16.20	1.324	-	-	-0.02	0.553	0.732
	LTE Band 7	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 6	DS1	21100	2535	15.06	16.20	1.300	-	-	-0.17	0.571	0.742
	LTE Band 7	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 6	DS1	21100	2535	15.12	16.20	1.282	-	-	-0.14	0.265	0.340
	LTE Band 7	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 6	DS1	21100	2535	15.06	16.20	1.300	-	-	0.02	0.259	0.337
	LTE Band 7	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 6	DS1	21100	2535	15.12	16.20	1.282	-	-	0.07	0.232	0.298
	LTE Band 7	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 6	DS1	21100	2535	15.06	16.20	1.300	-	-	0.08	0.194	0.252
	LTE Band 7	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 6	DS1	21100	2535	15.12	16.20	1.282	-	-	-0.15	0.111	0.142
	LTE Band 7	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 6	DS1	21100	2535	15.06	16.20	1.300	-	-	-0.02	0.072	0.094
	LTE Band 38	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DS1	38000	2595	18.23	18.70	1.114	62.9	1.006	0.03	0.682	0.765
	LTE Band 38	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DS1	38000	2595	18.16	18.70	1.132	62.9	1.006	0.05	0.697	0.794
	LTE Band 38	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DS1	38000	2595	18.23	18.70	1.114	62.9	1.006	0.01	0.790	0.886
19	LTE Band 38	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DS1	38000	2595	18.16	18.70	1.132	62.9	1.006	0.09	0.832	<b>0.948</b>



	LTE Band 38C	20M	QPSK	50	50	-	Right Tilted	0mm	Ant 4	DS11	37901+38099	2585.1+2604.9	17.99	18.70	1.178	62.9	1.006	0.03	0.792	0.938
	LTE Band 38	20M	QPSK	100	0	-	Right Tilted	0mm	Ant 4	DS11	38000	2595	18.15	18.70	1.135	62.9	1.006	0.05	0.804	0.918
	LTE Band 38	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 4	DS11	38000	2595	18.23	18.70	1.114	62.9	1.006	0.01	0.440	0.493
	LTE Band 38	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 4	DS11	38000	2595	18.16	18.70	1.132	62.9	1.006	0.01	0.439	0.500
	LTE Band 38	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 4	DS11	38000	2595	18.23	18.70	1.114	62.9	1.006	0.13	0.461	0.517
	LTE Band 38	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 4	DS11	38000	2595	18.16	18.70	1.132	62.9	1.006	0.18	0.471	0.537
	LTE Band 38	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 6	DS11	38000	2595	17.32	18.20	1.225	62.9	1.006	-0.02	0.522	0.643
	LTE Band 38	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 6	DS11	38000	2595	17.26	18.20	1.242	62.9	1.006	0.02	0.530	0.662
	LTE Band 38C	20M	QPSK	50	50	-	Right Cheek	0mm	Ant 6	DS11	37901+38099	2585.1+2604.9	17.09	18.20	1.291	62.9	1.006	0.11	0.488	0.634
	LTE Band 38	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 6	DS11	38000	2595	17.32	18.20	1.225	62.9	1.006	0.09	0.150	0.185
	LTE Band 38	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 6	DS11	38000	2595	17.26	18.20	1.242	62.9	1.006	0.04	0.156	0.195
	LTE Band 38	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 6	DS11	38000	2595	17.32	18.20	1.225	62.9	1.006	0.05	0.207	0.255
	LTE Band 38	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 6	DS11	38000	2595	17.26	18.20	1.242	62.9	1.006	0.02	0.199	0.249
	LTE Band 38	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 6	DS11	38000	2595	17.32	18.20	1.225	62.9	1.006	-0.11	0.058	0.071
	LTE Band 38	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 6	DS11	38000	2595	17.26	18.20	1.242	62.9	1.006	0.02	0.060	0.075
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DS11	40620	2593	25.19	25.60	1.099	62.9	1.006	0.06	0.065	0.072
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DS11	40620	2593	25.16	25.60	1.107	62.9	1.006	0.08	0.063	0.070
	LTE Band 41	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	DS11	40620	2593	25.19	25.60	1.099	62.9	1.006	0.07	0.033	0.036
	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 3	DS11	40620	2593	25.16	25.60	1.107	62.9	1.006	-0.17	0.034	0.038
	LTE Band 41	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 3	DS11	40620	2593	25.19	25.60	1.099	62.9	1.006	0.15	0.068	0.075
	LTE Band 41	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 3	DS11	40620	2593	25.16	25.60	1.107	62.9	1.006	0.01	0.069	0.077
	LTE Band 41	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 3	DS11	40620	2593	25.19	25.60	1.099	62.9	1.006	-0.06	0.000	0.000
	LTE Band 41	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 3	DS11	40620	2593	25.16	25.60	1.107	62.9	1.006	0.07	0.000	0.000
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DS11	40620	2593	23.79	24.90	1.291	62.9	1.006	-0.11	0.145	0.188
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DS11	40620	2593	23.65	24.90	1.334	62.9	1.006	0.03	0.181	0.243
	LTE Band 41	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DS11	40620	2593	23.79	24.90	1.291	62.9	1.006	-0.03	0.061	0.079
	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	DS11	40620	2593	23.65	24.90	1.334	62.9	1.006	-0.18	0.079	0.106
	LTE Band 41	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DS11	40620	2593	23.79	24.90	1.291	62.9	1.006	0.08	0.103	0.134
	LTE Band 41	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DS11	40620	2593	23.65	24.90	1.334	62.9	1.006	0.03	0.104	0.140
	LTE Band 41	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DS11	40620	2593	23.79	24.90	1.291	62.9	1.006	-0.05	0.099	0.129
	LTE Band 41	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	DS11	40620	2593	23.65	24.90	1.334	62.9	1.006	0.05	0.000	0.000
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DS11	40620	2593	17.80	18.20	1.096	62.9	1.006	0.03	0.656	0.724
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DS11	39750	2506	17.75	18.20	1.109	62.9	1.006	-0.09	0.631	0.704
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DS11	40185	2549.5	17.76	18.20	1.107	62.9	1.006	0.15	0.722	0.804
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DS11	41055	2636.5	17.71	18.20	1.119	62.9	1.006	0.02	0.646	0.727
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DS11	41490	2680	17.68	18.20	1.127	62.9	1.006	0.09	0.583	0.661
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DS11	40620	2593	17.77	18.20	1.104	62.9	1.006	0.04	0.661	0.734
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DS11	39750	2506	17.58	18.20	1.153	62.9	1.006	0.17	0.675	0.783
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DS11	40185	2549.5	17.62	18.20	1.143	62.9	1.006	-0.09	0.724	0.832
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DS11	41055	2636.5	17.59	18.20	1.151	62.9	1.006	0.08	0.631	0.731
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DS11	41490	2680	17.73	18.20	1.114	62.9	1.006	0.11	0.575	0.645
	LTE Band 41	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 4	DS11	40620	2593	17.69	18.20	1.125	62.9	1.006	0.01	0.668	0.756
	LTE Band 41	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DS11	40620	2593	17.80	18.20	1.096	62.9	1.006	0.19	0.694	0.766
	LTE Band 41	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DS11	39750	2506	17.75	18.20	1.109	62.9	1.006	-0.04	0.734	0.819
	LTE Band 41	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DS11	40185	2549.5	17.76	18.20	1.107	62.9	1.006	-0.12	0.742	0.826
	LTE Band 41	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DS11	41055	2636.5	17.71	18.20	1.119	62.9	1.006	0.05	0.701	0.789
	LTE Band 41	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DS11	41490	2680	17.68	18.20	1.127	62.9	1.006	-0.05	0.678	0.769
	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DS11	40620	2593	17.77	18.20	1.104	62.9	1.006	0.13	0.721	0.801
20	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DS11	39750	2506	17.58	18.20	1.153	62.9	1.006	-0.05	0.748	0.868
	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DS11	40185	2549.5	17.62	18.20	1.143	62.9	1.006	-0.07	0.743	0.854
	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DS11	41055	2636.5	17.59	18.20	1.151	62.9	1.006	0.16	0.700	0.810
	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DS11	41490	2680	17.73	18.20	1.114	62.9	1.006	0.13	0.675	0.757
	LTE Band 41	20M	QPSK	100	0	-	Right Tilted	0mm	Ant 4	DS11	40620	2593	17.69	18.20	1.125	62.9	1.006	0.08	0.718	0.812
	LTE Band 41	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 4	DS11	40620	2593	17.80	18.20	1.096	62.9	1.006	-0.02	0.396	0.437
	LTE Band 41	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 4	DS11	40620	2593	17.77	18.20	1.104	62.9	1.006	-0.04	0.403	0.448



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	LTE Band 41	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 4	DS11	40620	2593	17.80	18.20	1.096	62.9	1.006	-0.12	0.454	0.501
	LTE Band 41	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 4	DS11	40620	2593	17.77	18.20	1.104	62.9	1.006	0.07	0.461	0.512
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 6	DS11	40620	2593	17.38	18.20	1.208	62.9	1.006	-0.07	0.588	0.714
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 6	DS11	39750	2506	17.37	18.20	1.211	62.9	1.006	0.05	0.532	0.648
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 6	DS11	40185	2549.5	17.29	18.20	1.233	62.9	1.006	0.06	0.518	0.643
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 6	DS11	41055	2636.5	17.20	18.20	1.259	62.9	1.006	0.05	0.499	0.632
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 6	DS11	41490	2680	17.27	18.20	1.239	62.9	1.006	0.07	0.505	0.629
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 6	DS11	40620	2593	17.33	18.20	1.222	62.9	1.006	0.01	0.576	0.708
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 6	DS11	39750	2506	17.12	18.20	1.282	62.9	1.006	0.17	0.517	0.667
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 6	DS11	40185	2549.5	17.25	18.20	1.245	62.9	1.006	0.18	0.525	0.657
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 6	DS11	41055	2636.5	17.20	18.20	1.259	62.9	1.006	0.05	0.483	0.612
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 6	DS11	41490	2680	17.12	18.20	1.282	62.9	1.006	-0.13	0.496	0.640
	LTE Band 41	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 6	DS11	40620	2593	17.24	18.20	1.247	62.9	1.006	0.06	0.528	0.663
	LTE Band 41	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 6	DS11	40620	2593	17.38	18.20	1.208	62.9	1.006	0.07	0.167	0.203
	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 6	DS11	40620	2593	17.33	18.20	1.222	62.9	1.006	0.03	0.163	0.200
	LTE Band 41	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 6	DS11	40620	2593	17.38	18.20	1.208	62.9	1.006	-0.1	0.199	0.242
	LTE Band 41	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 6	DS11	40620	2593	17.33	18.20	1.222	62.9	1.006	0.08	0.196	0.241
	LTE Band 41	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 6	DS11	40620	2593	17.38	18.20	1.208	62.9	1.006	0.08	0.070	0.085
	LTE Band 41	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 6	DS11	40620	2593	17.33	18.20	1.222	62.9	1.006	0.15	0.064	0.079
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 3	DS11	507000	2535	25.25	25.70	1.109	-	-	0.09	0.148	0.164
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Right Cheek	0mm	Ant 3	DS11	507000	2535	25.21	25.70	1.119	-	-	0.03	0.172	0.193
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 3	DS11	507000	2535	25.25	25.70	1.109	-	-	-0.03	0.082	0.091
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Right Tilted	0mm	Ant 3	DS11	507000	2535	25.21	25.70	1.119	-	-	0.13	0.098	0.110
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 3	DS11	507000	2535	25.25	25.70	1.109	-	-	-0.08	0.184	0.204
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Left Cheek	0mm	Ant 3	DS11	507000	2535	25.21	25.70	1.119	-	-	0.08	0.210	0.235
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 3	DS11	507000	2535	25.25	25.70	1.109	-	-	0.16	0.070	0.078
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Left Tilted	0mm	Ant 3	DS11	507000	2535	25.21	25.70	1.119	-	-	0.07	0.075	0.084
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DS11	507000	2535	23.93	25.10	1.309	-	-	-0.09	0.131	0.172
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DS11	507000	2535	23.78	25.10	1.355	-	-	0.08	0.126	0.171
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	DS11	507000	2535	23.93	25.10	1.309	-	-	-0.12	0.090	0.118
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	DS11	507000	2535	23.78	25.10	1.355	-	-	-0.15	0.091	0.123
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	DS11	507000	2535	23.93	25.10	1.309	-	-	0.03	0.092	0.120
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	DS11	507000	2535	23.78	25.10	1.355	-	-	0.04	0.093	0.126
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 0	DS11	507000	2535	23.93	25.10	1.309	-	-	0.02	0.087	0.114
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Left Tilted	0mm	Ant 0	DS11	507000	2535	23.78	25.10	1.355	-	-	0.08	0.088	0.119
21	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 4	DS11	507000	2535	16.36	16.70	1.081	-	-	0.06	0.929	1.005
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 4	DS11	504000	2520	16.11	16.70	1.146	-	-	0.08	0.696	0.797
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 4	DS11	510000	2550	16.10	16.70	1.148	-	-	0.02	0.813	0.933
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Right Cheek	0mm	Ant 4	DS11	507000	2535	16.28	16.70	1.102	-	-	0.09	0.828	0.912
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Right Cheek	0mm	Ant 4	DS11	504000	2520	15.95	16.70	1.189	-	-	-0.12	0.757	0.900
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Right Cheek	0mm	Ant 4	DS11	510000	2550	16.13	16.70	1.140	-	-	-0.16	0.739	0.843
	FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Right Cheek	0mm	Ant 4	DS11	507000	2535	16.27	16.70	1.104	-	-	-0.02	0.815	0.900
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 4	DS11	507000	2535	16.36	16.70	1.081	-	-	-0.18	0.804	0.869
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 4	DS11	504000	2520	16.11	16.70	1.146	-	-	-0.19	0.836	0.958
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 4	DS11	510000	2550	16.10	16.70	1.148	-	-	0.02	0.825	0.947
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Right Tilted	0mm	Ant 4	DS11	507000	2535	16.28	16.70	1.102	-	-	-0.1	0.819	0.902
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Right Tilted	0mm	Ant 4	DS11	504000	2520	15.95	16.70	1.189	-	-	-0.07	0.795	0.945
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Right Tilted	0mm	Ant 4	DS11	510000	2550	16.13	16.70	1.140	-	-	0.04	0.761	0.868
	FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Right Tilted	0mm	Ant 4	DS11	507000	2535	16.27	16.70	1.104	-	-	0.04	0.800	0.883
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 4	DS11	507000	2535	16.36	16.70	1.081	-	-	0.05	0.695	0.752
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Left Cheek	0mm	Ant 4	DS11	507000	2535	16.28	16.70	1.102	-	-	0.08	0.512	0.564
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 4	DS11	507000	2535	16.36	16.70	1.081	-	-	0.07	0.563	0.609
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Left Tilted	0mm	Ant 4	DS11	507000	2535	16.28	16.70	1.102	-	-	-0.02	0.578	0.637
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 6	DS11	507000	2535	14.46	15.20	1.186	-	-	0.05	0.557	0.660
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Right Cheek	0mm	Ant 6	DS11	507000	2535	14.37	15.20	1.211	-	-	-0.06	0.500	0.605
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 6	DS11	507000	2535	14.46	15.20	1.186	-	-	0.04	0.183	0.217

**Sporton International Inc. (Kunshan)**

TEL : 86-512-57900158 / FAX : 86-512-57900958

FCC ID : 2AFZZ133G

Issued Date : Nov. 11, 2022

Form version. : 200414



	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Right Tilted	0mm	Ant 6	DS11	507000	2535	14.37	15.20	1.211	-	-	0.03	0.167	0.202
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 6	DS11	507000	2535	14.46	15.20	1.186	-	-	-0.09	0.204	0.242
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Left Cheek	0mm	Ant 6	DS11	507000	2535	14.37	15.20	1.211	-	-	0.04	0.171	0.207
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 6	DS11	507000	2535	14.46	15.20	1.186	-	-	0.04	0.071	0.084
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Left Tilted	0mm	Ant 6	DS11	507000	2535	14.37	15.20	1.211	-	-	0.18	0.171	0.207
22	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 6	DS11	519000	2595	14.56	15.20	1.159	-	-	0.05	0.505	0.585
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Right Cheek	0mm	Ant 6	DS11	519000	2595	14.35	15.20	1.216	-	-	0.05	0.438	0.533
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 6	DS11	519000	2595	14.56	15.20	1.159	-	-	0.08	0.146	0.169
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Right Tilted	0mm	Ant 6	DS11	519000	2595	14.35	15.20	1.216	-	-	-0.06	0.128	0.156
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 6	DS11	519000	2595	14.56	15.20	1.159	-	-	-0.1	0.182	0.211
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Left Cheek	0mm	Ant 6	DS11	519000	2595	14.35	15.20	1.216	-	-	0.08	0.168	0.204
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 6	DS11	519000	2595	14.56	15.20	1.159	-	-	0.07	0.056	0.065
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Left Tilted	0mm	Ant 6	DS11	519000	2595	14.35	15.20	1.216	-	-	-0.13	0.048	0.058
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 3	DS11	518598	2592.99	25.51	25.70	1.045	-	-	0.05	0.212	0.221
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 3	DS11	518598	2592.99	25.39	25.70	1.074	-	-	0.1	0.190	0.204
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 3	DS11	518598	2592.99	25.51	25.70	1.045	-	-	0.17	0.111	0.116
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 3	DS11	518598	2592.99	25.39	25.70	1.074	-	-	-0.09	0.105	0.113
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 3	DS11	518598	2592.99	25.51	25.70	1.045	-	-	-0.07	0.242	0.253
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 3	DS11	518598	2592.99	25.39	25.70	1.074	-	-	0.04	0.230	0.247
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 3	DS11	518598	2592.99	25.51	25.70	1.045	-	-	0.08	0.081	0.085
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 3	DS11	518598	2592.99	25.39	25.70	1.074	-	-	0.07	0.059	0.063
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 0	DS11	518598	2592.99	24.18	25.00	1.208	-	-	0.02	0.246	0.297
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 0	DS11	518598	2592.99	23.98	25.00	1.265	-	-	-0.08	0.313	0.396
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 0	DS11	518598	2592.99	24.18	25.00	1.208	-	-	0.02	0.129	0.156
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 0	DS11	518598	2592.99	23.98	25.00	1.265	-	-	0.02	0.145	0.183
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 0	DS11	518598	2592.99	24.18	25.00	1.208	-	-	-0.13	0.160	0.193
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 0	DS11	518598	2592.99	23.98	25.00	1.265	-	-	-0.11	0.193	0.244
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 0	DS11	518598	2592.99	24.18	25.00	1.208	-	-	0.07	0.159	0.192
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 0	DS11	518598	2592.99	23.98	25.00	1.265	-	-	-0.18	0.172	0.218
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 4	DS11	518598	2592.99	16.08	16.70	1.153	-	-	0.02	0.782	0.902
23	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 4	DS11	509202	2546.01	15.90	16.70	1.202	-	-	0.09	0.839	1.009
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 4	DS11	528000	2640	15.99	16.70	1.178	-	-	0.15	0.763	0.899
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 4	DS11	518598	2592.99	15.95	16.70	1.189	-	-	-0.06	0.713	0.847
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 4	DS11	509202	2546.01	15.71	16.70	1.256	-	-	0.03	0.673	0.845
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 4	DS11	528000	2640	15.90	16.70	1.202	-	-	0.05	0.685	0.824
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Right Cheek	0mm	Ant 4	DS11	518598	2592.99	15.90	16.70	1.202	-	-	-0.1	0.711	0.855
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 4	DS11	518598	2592.99	16.08	16.70	1.153	-	-	0.08	0.816	0.941
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 4	DS11	509202	2546.01	15.90	16.70	1.202	-	-	0.07	0.799	0.961
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 4	DS11	528000	2640	15.99	16.70	1.178	-	-	-0.13	0.809	0.953
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 4	DS11	518598	2592.99	15.95	16.70	1.189	-	-	0.05	0.787	0.935
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 4	DS11	509202	2546.01	15.71	16.70	1.256	-	-	0.09	0.792	0.995
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 4	DS11	528000	2640	15.90	16.70	1.202	-	-	0.04	0.752	0.904
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Right Tilted	0mm	Ant 4	DS11	518598	2592.99	15.90	16.70	1.202	-	-	0.02	0.790	0.950
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 4	DS11	518598	2592.99	16.08	16.70	1.153	-	-	-0.06	0.406	0.468
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 4	DS11	518598	2592.99	15.95	16.70	1.189	-	-	-0.12	0.398	0.473
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 4	DS11	518598	2592.99	16.08	16.70	1.153	-	-	-0.05	0.463	0.534
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 4	DS11	518598	2592.99	15.95	16.70	1.189	-	-	0.19	0.486	0.578
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 6	DS11	518598	2592.99	14.58	15.20	1.153	-	-	-0.08	0.519	0.599
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 6	DS11	518598	2592.99	14.43	15.20	1.194	-	-	-0.05	0.429	0.512
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 6	DS11	518598	2592.99	14.58	15.20	1.153	-	-	0.08	0.164	0.189
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 6	DS11	518598	2592.99	14.43	15.20	1.194	-	-	0.03	0.128	0.153
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 6	DS11	518598	2592.99	14.58	15.20	1.153	-	-	0.06	0.201	0.232
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 6	DS11	518598	2592.99	14.43	15.20	1.194	-	-	0.1	0.159	0.190
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 6	DS11	518598	2592.99	14.58	15.20	1.153	-	-	0.09	0.064	0.074
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 6	DS11	518598	2592.99	14.43	15.20	1.194	-	-	0.07	0.071	0.085

3500MHz





FCC SAR Test Report

Report No. : FA291702

	LTE Band 42	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DS11	42590	3500	20.17	21.50	1.358	62.9	1.006	-0.18	0.192	0.262
	LTE Band 42	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DS11	42590	3500	20.15	21.50	1.365	62.9	1.006	0.01	0.190	0.261
	LTE Band 42C	20M	QPSK	1	99	-	Right Cheek	0mm	Ant 1	DS11	42590+ 42788	3500+ 3519.8	19.94	21.50	1.432	62.9	1.006	0.02	0.163	0.235
	LTE Band 42	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DS11	42590	3500	20.17	21.50	1.358	62.9	1.006	-0.05	0.082	0.112
	LTE Band 42	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DS11	42590	3500	20.15	21.50	1.365	62.9	1.006	0.08	0.082	0.113
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DS11	42590	3500	20.17	21.50	1.358	62.9	1.006	0.11	0.173	0.236
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DS11	42590	3500	20.15	21.50	1.365	62.9	1.006	-0.16	0.177	0.243
	LTE Band 42	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DS11	42590	3500	20.17	21.50	1.358	62.9	1.006	0.03	0.042	0.057
	LTE Band 42	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DS11	42590	3500	20.15	21.50	1.365	62.9	1.006	0.1	0.044	0.060
	LTE Band 42	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DS11	42590	3500	22.63	23.80	1.309	62.9	1.006	-0.15	0.039	0.051
	LTE Band 42	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DS11	42590	3500	22.53	23.80	1.340	62.9	1.006	-0.1	0.050	0.067
	LTE Band 42	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	DS11	42590	3500	22.63	23.80	1.309	62.9	1.006	0.12	0.000	0.000
	LTE Band 42	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 3	DS11	42590	3500	22.53	23.80	1.340	62.9	1.006	0.09	0.000	0.000
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 3	DS11	42590	3500	22.63	23.80	1.309	62.9	1.006	-0.06	0.047	0.062
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 3	DS11	42590	3500	22.53	23.80	1.340	62.9	1.006	0.01	0.051	0.069
	LTE Band 42C	20M	QPSK	50	50	-	Left Cheek	0mm	Ant 3	DS11	42590+ 42788	3500+ 3519.8	22.43	23.80	1.371	62.9	1.006	-0.02	0.033	0.046
	LTE Band 42	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 3	DS11	42590	3500	22.63	23.80	1.309	62.9	1.006	-0.12	0.036	0.047
	LTE Band 42	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 3	DS11	42590	3500	22.53	23.80	1.340	62.9	1.006	0.09	0.045	0.061
	LTE Band 42	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 10	DS11	42590	3500	18.72	19.20	1.117	62.9	1.006	0.13	0.647	0.727
	LTE Band 42	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 10	DS11	42190	3460	18.59	19.20	1.151	62.9	1.006	0.16	0.680	0.787
	LTE Band 42	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 10	DS11	42990	3540	18.71	19.20	1.119	62.9	1.006	-0.14	0.584	0.658
	LTE Band 42	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 10	DS11	42590	3500	18.69	19.20	1.125	62.9	1.006	-0.04	0.653	0.739
	LTE Band 42	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 10	DS11	42190	3460	18.61	19.20	1.146	62.9	1.006	0.04	0.689	0.794
	LTE Band 42	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 10	DS11	42990	3540	18.59	19.20	1.151	62.9	1.006	0.04	0.598	0.692
	LTE Band 42	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 10	DS11	42590	3500	18.67	19.20	1.130	62.9	1.006	0.06	0.642	0.730
	LTE Band 42	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 10	DS11	42590	3500	18.72	19.20	1.117	62.9	1.006	-0.03	0.735	0.826
	LTE Band 42	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 10	DS11	42190	3460	18.59	19.20	1.151	62.9	1.006	0.06	0.759	0.879
	LTE Band 42	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 10	DS11	42990	3540	18.71	19.20	1.119	62.9	1.006	0.09	0.678	0.764
	LTE Band 42	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 10	DS11	42590	3500	18.69	19.20	1.125	62.9	1.006	0.09	0.730	0.826
24	LTE Band 42	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 10	DS11	42190	3460	18.61	19.20	1.146	62.9	1.006	0.09	0.779	0.898
	LTE Band 42C	20M	QPSK	50	50	-	Right Tilted	0mm	Ant 10	DS11	42190+ 42388	3460+ 3479.8	18.39	19.20	1.205	62.9	1.006	0.06	0.688	0.834
	LTE Band 42	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 10	DS11	42990	3540	18.59	19.20	1.151	62.9	1.006	0.13	0.693	0.802
	LTE Band 42	20M	QPSK	100	0	-	Right Tilted	0mm	Ant 10	DS11	42590	3500	18.67	19.20	1.130	62.9	1.006	-0.15	0.712	0.809
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 10	DS11	42590	3500	18.72	19.20	1.117	62.9	1.006	-0.09	0.479	0.538
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 10	DS11	42590	3500	18.69	19.20	1.125	62.9	1.006	0.05	0.481	0.544
	LTE Band 42	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 10	DS11	42590	3500	18.72	19.20	1.117	62.9	1.006	-0.09	0.507	0.570
	LTE Band 42	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 10	DS11	42590	3500	18.69	19.20	1.125	62.9	1.006	-0.18	0.514	0.582
	LTE Band 42	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 12	DS11	42590	3500	24.97	25.70	1.183	62.9	1.006	0.05	0.314	0.374
	LTE Band 42	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 12	DS11	42590	3500	24.87	25.70	1.211	62.9	1.006	-0.03	0.325	0.396
	LTE Band 42C	20M	QPSK	50	50	-	Right Cheek	0mm	Ant 12	DS11	42590+ 42788	3500+ 3519.8	24.86	25.70	1.213	62.9	1.006	0.13	0.298	0.364
	LTE Band 42	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 12	DS11	42590	3500	24.97	25.70	1.183	62.9	1.006	0.09	0.075	0.089
	LTE Band 42	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 12	DS11	42590	3500	24.87	25.70	1.211	62.9	1.006	-0.12	0.077	0.094
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 12	DS11	42590	3500	24.97	25.70	1.183	62.9	1.006	0.05	0.245	0.292
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 12	DS11	42590	3500	24.87	25.70	1.211	62.9	1.006	0.07	0.249	0.303
	LTE Band 42	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 12	DS11	42590	3500	24.97	25.70	1.183	62.9	1.006	-0.06	0.188	0.224
	LTE Band 42	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 12	DS11	42590	3500	24.87	25.70	1.211	62.9	1.006	0.02	0.198	0.241
	LTE Band 48	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DS11	55830	3609	18.79	20.00	1.321	62.9	1.006	0.1	0.620	0.824
	LTE Band 48	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DS11	55340	3560	18.63	20.00	1.371	62.9	1.006	0.08	0.608	0.838
	LTE Band 48	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DS11	56150	3641	18.43	20.00	1.435	62.9	1.006	0.06	0.595	0.859
	LTE Band 48	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DS11	56640	3690	18.50	20.00	1.413	62.9	1.006	0.05	0.573	0.814
	LTE Band 48	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DS11	55830	3609	18.76	20.00	1.330	62.9	1.006	-0.09	0.656	0.878
	LTE Band 48	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DS11	55340	3560	18.54	20.00	1.400	62.9	1.006	0.18	0.616	0.867
	LTE Band 48	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DS11	56150	3641	18.64	20.00	1.368	62.9	1.006	0.14	0.613	0.843
	LTE Band 48	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DS11	56640	3690	18.62	20.00	1.374	62.9	1.006	-0.15	0.620	0.857
	LTE Band 48	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 1	DS11	55830	3609	18.62	20.00	1.374	62.9	1.006	0.06	0.603	0.834

Sporton International Inc. (Kunshan)

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	LTE Band 48	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DS11	55830	3609	18.79	20.00	1.321	62.9	1.006	0.05	0.186	0.247
	LTE Band 48	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DS11	55830	3609	18.76	20.00	1.330	62.9	1.006	0.1	0.199	0.266
	LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DS11	55830	3609	18.79	20.00	1.321	62.9	1.006	0.02	0.279	0.371
	LTE Band 48	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DS11	55830	3609	18.76	20.00	1.330	62.9	1.006	-0.15	0.298	0.399
	LTE Band 48	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DS11	55830	3609	18.79	20.00	1.321	62.9	1.006	0.06	0.110	0.146
	LTE Band 48	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DS11	55830	3609	18.76	20.00	1.330	62.9	1.006	0.07	0.127	0.170
	LTE Band 48	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DS11	55830	3609	21.45	22.70	1.334	62.9	1.006	-0.03	0.015	0.020
	LTE Band 48	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DS11	55830	3609	21.42	22.70	1.343	62.9	1.006	-0.11	0.015	0.020
	LTE Band 48	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	DS11	55830	3609	21.45	22.70	1.334	62.9	1.006	0.07	0.016	0.021
	LTE Band 48	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 3	DS11	55830	3609	21.42	22.70	1.343	62.9	1.006	-0.11	0.018	0.024
	LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 3	DS11	55830	3609	21.45	22.70	1.334	62.9	1.006	0.01	0.023	0.031
	LTE Band 48	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 3	DS11	55830	3609	21.42	22.70	1.343	62.9	1.006	0.04	0.016	0.022
	LTE Band 48	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 3	DS11	55830	3609	21.45	22.70	1.334	62.9	1.006	-0.19	0.018	0.024
	LTE Band 48	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 3	DS11	55830	3609	21.42	22.70	1.343	62.9	1.006	-0.1	0.015	0.020
	LTE Band 48	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 10	DS11	55830	3609	18.50	19.10	1.148	62.9	1.006	0.03	0.715	0.826
	LTE Band 48	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 10	DS11	55340	3560	18.44	19.10	1.164	62.9	1.006	0.08	0.697	0.816
	LTE Band 48	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 10	DS11	56150	3641	18.27	19.10	1.211	62.9	1.006	-0.03	0.677	0.824
	LTE Band 48	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 10	DS11	56640	3690	18.32	19.10	1.197	62.9	1.006	-0.07	0.662	0.797
	LTE Band 48	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 10	DS11	55830	3609	18.49	19.10	1.151	62.9	1.006	0.01	0.724	0.838
	LTE Band 48	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 10	DS11	55340	3560	18.31	19.10	1.199	62.9	1.006	0.02	0.710	0.857
	LTE Band 48	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 10	DS11	56150	3641	18.34	19.10	1.191	62.9	1.006	-0.06	0.703	0.842
	LTE Band 48	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 10	DS11	56640	3690	18.26	19.10	1.213	62.9	1.006	0.11	0.698	0.852
	LTE Band 48	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 10	DS11	55830	3609	18.34	19.10	1.191	62.9	1.006	0.09	0.700	0.839
	LTE Band 48	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 10	DS11	55830	3609	18.50	19.10	1.148	62.9	1.006	0.05	0.770	0.889
	LTE Band 48	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 10	DS11	55340	3560	18.44	19.10	1.164	62.9	1.006	0.05	0.711	0.833
	LTE Band 48	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 10	DS11	56150	3641	18.27	19.10	1.211	62.9	1.006	0.01	0.753	0.917
	LTE Band 48	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 10	DS11	56640	3690	18.32	19.10	1.197	62.9	1.006	0.13	0.761	0.916
25	LTE Band 48	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 10	DS11	55830	3609	18.49	19.10	1.151	62.9	1.006	-0.09	0.795	0.920
	LTE Band 48	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 10	DS11	55340	3560	18.31	19.10	1.199	62.9	1.006	0.12	0.755	0.911
	LTE Band 48	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 10	DS11	56150	3641	18.34	19.10	1.191	62.9	1.006	0.05	0.739	0.886
	LTE Band 48	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 10	DS11	56640	3690	18.26	19.10	1.213	62.9	1.006	0.01	0.706	0.862
	LTE Band 48	20M	QPSK	100	0	-	Right Tilted	0mm	Ant 10	DS11	55830	3609	18.34	19.10	1.191	62.9	1.006	0.06	0.720	0.863
	LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 10	DS11	55830	3609	18.50	19.10	1.148	62.9	1.006	0.04	0.541	0.625
	LTE Band 48	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 10	DS11	55830	3609	18.49	19.10	1.151	62.9	1.006	0.01	0.501	0.580
	LTE Band 48	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 10	DS11	55830	3609	18.50	19.10	1.148	62.9	1.006	0.03	0.539	0.623
	LTE Band 48	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 10	DS11	55830	3609	18.49	19.10	1.151	62.9	1.006	0.13	0.511	0.592
	LTE Band 48	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 12	DS11	55830	3609	23.57	24.20	1.156	62.9	1.006	-0.12	0.073	0.085
	LTE Band 48	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 12	DS11	55830	3609	23.55	24.20	1.161	62.9	1.006	0.07	0.077	0.090
	LTE Band 48	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 12	DS11	55830	3609	23.57	24.20	1.156	62.9	1.006	0.16	0.126	0.147
	LTE Band 48	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 12	DS11	55830	3609	23.55	24.20	1.161	62.9	1.006	-0.03	0.128	0.150
	LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 12	DS11	55830	3609	23.57	24.20	1.156	62.9	1.006	0.07	0.110	0.128
	LTE Band 48	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 12	DS11	55830	3609	23.55	24.20	1.161	62.9	1.006	0.06	0.113	0.132
	LTE Band 48	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 12	DS11	55830	3609	23.57	24.20	1.156	62.9	1.006	0.05	0.105	0.122
	LTE Band 48	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 12	DS11	55830	3609	23.55	24.20	1.161	62.9	1.006	0.16	0.108	0.126
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	DS11	656000	3840	13.97	15.50	1.422	-	-	-0.14	0.752	1.070
26	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	DS11	656000	3840	13.94	15.50	1.432	-	-	-0.1	0.761	1.090
	FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	DS11	656000	3840	13.85	15.50	1.462	-	-	-0.06	0.733	1.072
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 1	DS11	656000	3840	13.97	15.50	1.422	-	-	0.03	0.192	0.273
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 1	DS11	656000	3840	13.94	15.50	1.432	-	-	-0.09	0.186	0.266
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 1	DS11	656000	3840	13.97	15.50	1.422	-	-	0.07	0.241	0.343
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 1	DS11	656000	3840	13.94	15.50	1.432	-	-	0.1	0.212	0.304
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 1	DS11	656000	3840	13.97	15.50	1.422	-	-	0.13	0.076	0.108
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 1	DS11	656000	3840	13.94	15.50	1.432	-	-	0.03	0.068	0.097
	FR1 n77 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	DS11	656000	3840	16.88	18.50	1.452	50	1.000	-0.05	0.714	1.037
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	DS11	633334	3500.01	13.76	15.50	1.493	-	-	-0.17	0.304	0.454
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	DS11	633334	3500.01	13.72	15.50	1.507	-	-	0.02	0.314	0.473

Sporton International Inc. (Kunshan)

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FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 1	DS1f	633334	3500.01	13.76	15.50	1.493	-	-	0.04	0.073	0.109
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 1	DS1f	633334	3500.01	13.72	15.50	1.507	-	-	-0.16	0.081	0.122
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 1	DS1f	633334	3500.01	13.76	15.50	1.493	-	-	-0.1	0.123	0.184
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 1	DS1f	633334	3500.01	13.72	15.50	1.507	-	-	0.1	0.110	0.166
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 1	DS1f	633334	3500.01	13.76	15.50	1.493	-	-	-0.05	0.037	0.055
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 1	DS1f	633334	3500.01	13.72	15.50	1.507	-	-	0.12	0.046	0.069
FR1 n77 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	DS1f	633334	3500.01	16.42	18.50	1.614	50	1.000	-0.01	0.288	0.465
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 3	DS1f	656000	3840	22.17	23.50	1.358	-	-	0.02	0.000	0.000
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 3	DS1f	656000	3840	22.02	23.50	1.406	-	-	-0.15	0.000	0.000
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 3	DS1f	656000	3840	22.17	23.50	1.358	-	-	-0.13	0.000	0.000
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 3	DS1f	656000	3840	22.02	23.50	1.406	-	-	0.09	0.000	0.000
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 3	DS1f	656000	3840	22.17	23.50	1.358	-	-	0.01	0.063	0.086
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 3	DS1f	656000	3840	22.02	23.50	1.406	-	-	0.02	0.000	0.000
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 3	DS1f	656000	3840	22.17	23.50	1.358	-	-	-0.17	0.000	0.000
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 3	DS1f	656000	3840	22.02	23.50	1.406	-	-	0.1	0.000	0.000
FR1 n77 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 3	DS1f	656000	3840	24.09	25.50	1.384	50	1.000	0.03	0.041	0.057
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 3	DS1f	633334	3500.01	21.80	23.50	1.479	-	-	-0.15	0.041	0.061
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 3	DS1f	633334	3500.01	21.74	23.50	1.500	-	-	-0.18	0.044	0.066
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 3	DS1f	633334	3500.01	21.80	23.50	1.479	-	-	0.06	0.039	0.058
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 3	DS1f	633334	3500.01	21.74	23.50	1.500	-	-	-0.04	0.038	0.057
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 3	DS1f	633334	3500.01	21.80	23.50	1.479	-	-	0.02	0.047	0.070
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 3	DS1f	633334	3500.01	21.74	23.50	1.500	-	-	0.03	0.069	0.103
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 3	DS1f	633334	3500.01	21.80	23.50	1.479	-	-	0.08	0.000	0.000
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 3	DS1f	633334	3500.01	21.74	23.50	1.500	-	-	0.08	0.000	0.000
FR1 n77 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 3	DS1f	633334	3500.01	23.73	25.50	1.503	50	1.000	-0.09	0.053	0.080
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 10	DS1f	656000	3840	15.75	16.20	1.109	-	-	-0.07	0.627	0.695
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 10	DS1f	656000	3840	15.68	16.20	1.127	-	-	0.04	0.664	0.748
FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Right Cheek	0mm	Ant 10	DS1f	656000	3840	15.61	16.20	1.146	-	-	0.09	0.664	0.761
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 10	DS1f	656000	3840	15.75	16.20	1.109	-	-	0.06	0.759	0.842
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 10	DS1f	656000	3840	15.68	16.20	1.127	-	-	0.09	0.812	0.915
FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Right Tilted	0mm	Ant 10	DS1f	656000	3840	15.61	16.20	1.146	-	-	-0.14	0.685	0.785
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 10	DS1f	656000	3840	15.75	16.20	1.109	-	-	0.09	0.569	0.631
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 10	DS1f	656000	3840	15.68	16.20	1.127	-	-	0.13	0.613	0.691
FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Left Cheek	0mm	Ant 10	DS1f	656000	3840	15.61	16.20	1.146	-	-	0.11	0.613	0.702
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 10	DS1f	656000	3840	15.75	16.20	1.109	-	-	0.04	0.677	0.751
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 10	DS1f	656000	3840	15.68	16.20	1.127	-	-	-0.11	0.702	0.791
FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Left Tilted	0mm	Ant 10	DS1f	656000	3840	15.61	16.20	1.146	-	-	0.03	0.702	0.804
FR1 n77 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 10	DS1f	656000	3840	18.55	19.20	1.161	50	1.000	0.03	0.738	0.857
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 10	DS1f	633334	3500.01	15.69	16.20	1.125	-	-	0.04	0.476	0.535
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 10	DS1f	633334	3500.01	15.60	16.20	1.148	-	-	-0.06	0.400	0.459
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 10	DS1f	633334	3500.01	15.69	16.20	1.125	-	-	0.03	0.483	0.543
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 10	DS1f	633334	3500.01	15.60	16.20	1.148	-	-	-0.04	0.510	0.586
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 10	DS1f	633334	3500.01	15.69	16.20	1.125	-	-	-0.08	0.321	0.361
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 10	DS1f	633334	3500.01	15.60	16.20	1.148	-	-	-0.19	0.323	0.371
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 10	DS1f	633334	3500.01	15.69	16.20	1.125	-	-	0.08	0.347	0.390
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 10	DS1f	633334	3500.01	15.60	16.20	1.148	-	-	-0.04	0.354	0.406
FR1 n77 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 10	DS1f	633334	3500.01	18.49	19.20	1.178	50	1.000	0.06	0.457	0.538
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 12	DS1f	656000	3840	21.70	22.70	1.259	-	-	0.03	0.417	0.525
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 12	DS1f	656000	3840	21.58	22.70	1.294	-	-	0.08	0.677	0.876
FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Right Cheek	0mm	Ant 12	DS1f	656000	3840	21.55	22.70	1.303	-	-	0.12	0.665	0.867
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 12	DS1f	656000	3840	21.70	22.70	1.259	-	-	0.04	0.502	0.632
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 12	DS1f	656000	3840	21.58	22.70	1.294	-	-	-0.08	0.755	0.977
FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Right Tilted	0mm	Ant 12	DS1f	656000	3840	21.55	22.70	1.303	-	-	-0.12	0.709	0.924
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 12	DS1f	656000	3840	21.70	22.70	1.259	-	-	-0.08	0.448	0.564
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 12	DS1f	656000	3840	21.58	22.70	1.294	-	-	-0.14	0.624	0.808

**Sporton International Inc. (Kunshan)**

TEL : 86-512-57900158 / FAX : 86-512-57900958

FCC ID : 2AFZZ133G

Issued Date : Nov. 11, 2022

Form version. : 200414



**FCC SAR Test Report**

**Report No. : FA291702**

	FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Left Cheek	0mm	Ant 12	DS1f	656000	3840	21.55	22.70	1.303	-	-	0.06	0.658	0.857
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 12	DS1f	656000	3840	21.70	22.70	1.259	-	-	0.12	0.660	0.831
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 12	DS1f	656000	3840	21.58	22.70	1.294	-	-	-0.05	0.739	0.956
	FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Left Tilted	0mm	Ant 12	DS1f	656000	3840	21.55	22.70	1.303	-	-	0.08	0.615	0.801
	FR1 n77 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 12	DS1f	656000	3840	24.97	25.70	1.183	50	1.000	0.05	0.742	0.878
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 12	DS1f	633334	3500.01	21.49	22.70	1.321	-	-	0.08	0.307	0.406
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 12	DS1f	633334	3500.01	21.41	22.70	1.346	-	-	-0.11	0.271	0.365
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 12	DS1f	633334	3500.01	21.49	22.70	1.321	-	-	0.08	0.124	0.164
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 12	DS1f	633334	3500.01	21.41	22.70	1.346	-	-	-0.1	0.104	0.140
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 12	DS1f	633334	3500.01	21.49	22.70	1.321	-	-	-0.11	0.189	0.250
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 12	DS1f	633334	3500.01	21.41	22.70	1.346	-	-	0.11	0.140	0.188
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 12	DS1f	633334	3500.01	21.49	22.70	1.321	-	-	-0.19	0.106	0.140
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 12	DS1f	633334	3500.01	21.41	22.70	1.346	-	-	0.01	0.100	0.135
	FR1 n77 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 12	DS1f	633334	3500.01	24.48	25.70	1.324	50	1.000	-0.04	0.291	0.385
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	DS1f	650000	3750	14.63	16.00	1.371	-	-	-0.15	0.607	0.832
27	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	DS1f	650000	3750	14.58	16.00	1.387	-	-	-0.05	0.766	1.062
	FR1 n78	100M	QPSK	270	0	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	DS1f	650000	3750	14.54	16.00	1.400	-	-	0.03	0.728	1.019
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 1	DS1f	650000	3750	14.63	16.00	1.371	-	-	-0.17	0.163	0.223
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 1	DS1f	650000	3750	14.58	16.00	1.387	-	-	-0.1	0.216	0.300
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 1	DS1f	650000	3750	14.63	16.00	1.371	-	-	-0.17	0.205	0.281
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 1	DS1f	650000	3750	14.58	16.00	1.387	-	-	-0.03	0.253	0.351
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 1	DS1f	650000	3750	14.63	16.00	1.371	-	-	-0.06	0.074	0.101
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 1	DS1f	650000	3750	14.58	16.00	1.387	-	-	-0.18	0.081	0.112
	FR1 n78 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	DS1f	650000	3750	17.46	19.00	1.426	50	1.000	-0.02	0.733	1.045
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	DS1f	633334	3500.01	14.59	16.00	1.384	-	-	0.07	0.314	0.434
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	DS1f	633334	3500.01	14.55	16.00	1.396	-	-	-0.13	0.336	0.469
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 1	DS1f	633334	3500.01	14.59	16.00	1.384	-	-	-0.17	0.069	0.095
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 1	DS1f	633334	3500.01	14.55	16.00	1.396	-	-	-0.13	0.082	0.115
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 1	DS1f	633334	3500.01	14.59	16.00	1.384	-	-	-0.16	0.142	0.196
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 1	DS1f	633334	3500.01	14.55	16.00	1.396	-	-	0.03	0.115	0.161
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 1	DS1f	633334	3500.01	14.59	16.00	1.384	-	-	0.12	0.048	0.066
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 1	DS1f	633334	3500.01	14.55	16.00	1.396	-	-	0.05	0.049	0.068
	FR1 n78 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	DS1f	633334	3500.01	17.33	19.00	1.469	50	1.000	-0.01	0.297	0.436
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 3	DS1f	650000	3750	21.89	23.50	1.449	-	-	0.1	0.034	0.049
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 3	DS1f	650000	3750	21.76	23.50	1.493	-	-	0.01	0.000	0.000
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 3	DS1f	650000	3750	21.89	23.50	1.449	-	-	0.08	0.000	0.000
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 3	DS1f	650000	3750	21.76	23.50	1.493	-	-	-0.05	0.000	0.000
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 3	DS1f	650000	3750	21.89	23.50	1.449	-	-	0.05	0.071	0.103
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 3	DS1f	650000	3750	21.76	23.50	1.493	-	-	-0.04	0.041	0.061
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 3	DS1f	650000	3750	21.89	23.50	1.449	-	-	-0.16	0.000	0.000
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 3	DS1f	650000	3750	21.76	23.50	1.493	-	-	0.04	0.000	0.000
	FR1 n78 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 3	DS1f	650000	3750	23.81	25.00	1.315	50	1.000	0.01	0.054	0.071
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 3	DS1f	633334	3500.01	21.76	23.50	1.493	-	-	0.04	0.059	0.088
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 3	DS1f	633334	3500.01	21.69	23.50	1.517	-	-	0.07	0.063	0.096
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 3	DS1f	633334	3500.01	21.76	23.50	1.493	-	-	0.08	0.059	0.088
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 3	DS1f	633334	3500.01	21.69	23.50	1.517	-	-	0.08	0.054	0.082
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 3	DS1f	633334	3500.01	21.76	23.50	1.493	-	-	-0.15	0.070	0.104
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 3	DS1f	633334	3500.01	21.69	23.50	1.517	-	-	0.02	0.073	0.111
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 3	DS1f	633334	3500.01	21.76	23.50	1.493	-	-	0.1	0.000	0.000
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 3	DS1f	633334	3500.01	21.69	23.50	1.517	-	-	-0.12	0.000	0.000
	FR1 n78 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 3	DS1f	633334	3500.01	23.70	25.00	1.349	50	1.000	0.02	0.050	0.067
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 10	DS1f	650000	3750	17.22	17.70	1.117	-	-	-0.18	0.610	0.681
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 10	DS1f	650000	3750	17.11	17.70	1.146	-	-	0.11	0.653	0.748
	FR1 n78	100M	QPSK	270	0	DFT-SCS-30KHz	Right Cheek	0mm	Ant 10	DS1f	650000	3750	17.09	17.70	1.151	-	-	-0.13	0.628	0.723



FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 10	DS11	650000	3750	17.22	17.70	1.117	-	-	0.05	0.691	0.772
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 10	DS11	650000	3750	17.11	17.70	1.146	-	-	0.17	0.782	0.896
FR1 n78	100M	QPSK	270	0	DFT-SCS-30KHz	Right Tilted	0mm	Ant 10	DS11	650000	3750	17.09	17.70	1.151	-	-	0.06	0.727	0.837
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 10	DS11	650000	3750	17.22	17.70	1.117	-	-	0.18	0.565	0.631
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 10	DS11	650000	3750	17.11	17.70	1.146	-	-	0.03	0.585	0.670
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 10	DS11	650000	3750	17.22	17.70	1.117	-	-	0.03	0.617	0.689
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 10	DS11	650000	3750	17.11	17.70	1.146	-	-	-0.18	0.686	0.786
FR1 n78	100M	QPSK	270	0	DFT-SCS-30KHz	Left Tilted	0mm	Ant 10	DS11	650000	3750	17.09	17.70	1.151	-	-	-0.03	0.684	0.787
FR1 n78 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 10	DS11	650000	3750	20.19	20.70	1.125	50	1.000	-0.03	0.698	0.785
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 10	DS11	633334	3500.01	17.15	17.70	1.135	-	-	0.04	0.778	0.883
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 10	DS11	633334	3500.01	17.10	17.70	1.148	-	-	-0.14	0.683	0.784
FR1 n78	100M	QPSK	270	0	DFT-SCS-30KHz	Right Cheek	0mm	Ant 10	DS11	633334	3500.01	16.93	17.70	1.194	-	-	0.18	0.665	0.794
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 10	DS11	633334	3500.01	17.15	17.70	1.135	-	-	0.01	0.829	0.941
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 10	DS11	633334	3500.01	17.10	17.70	1.148	-	-	-0.06	0.763	0.876
FR1 n78	100M	QPSK	270	0	DFT-SCS-30KHz	Right Tilted	0mm	Ant 10	DS11	633334	3500.01	16.93	17.70	1.194	-	-	0.14	0.763	0.911
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 10	DS11	633334	3500.01	17.15	17.70	1.135	-	-	0.06	0.516	0.586
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 10	DS11	633334	3500.01	17.10	17.70	1.148	-	-	0.09	0.513	0.589
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 10	DS11	633334	3500.01	17.15	17.70	1.135	-	-	-0.07	0.571	0.648
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 10	DS11	633334	3500.01	17.10	17.70	1.148	-	-	-0.13	0.552	0.634
FR1 n78	100M	QPSK	270	0	DFT-SCS-30KHz	Left Tilted	0mm	Ant 10	DS11	633334	3500.01	16.93	17.70	1.194	-	-	-0.08	0.547	0.653
FR1 n78 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 10	DS11	633334	3500.01	20.18	20.70	1.127	50	1.000	0.06	0.753	0.849
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 12	DS11	650000	3750	24.65	25.70	1.274	-	-	0.06	0.227	0.289
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 12	DS11	650000	3750	24.61	25.70	1.285	-	-	0.11	0.351	0.451
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 12	DS11	650000	3750	24.65	25.70	1.274	-	-	-0.14	0.299	0.381
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 12	DS11	650000	3750	24.61	25.70	1.285	-	-	-0.08	0.433	0.557
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 12	DS11	650000	3750	24.65	25.70	1.274	-	-	0.03	0.273	0.348
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 12	DS11	650000	3750	24.61	25.70	1.285	-	-	0.11	0.421	0.541
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 12	DS11	650000	3750	24.65	25.70	1.274	-	-	0.11	0.489	0.623
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 12	DS11	650000	3750	24.61	25.70	1.285	-	-	0.02	0.501	0.644
FR1 n78 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 12	DS11	650000	3750	26.71	28.50	1.510	50	1.000	0.09	0.403	0.609
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 12	DS11	633334	3500.01	24.56	25.70	1.300	-	-	0.03	0.593	0.771
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 12	DS11	633334	3500.01	24.43	25.70	1.340	-	-	0.16	0.395	0.529
FR1 n78	100M	QPSK	270	0	DFT-SCS-30KHz	Right Cheek	0mm	Ant 12	DS11	633334	3500.01	24.45	25.70	1.334	-	-	0.03	0.341	0.455
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 12	DS11	633334	3500.01	24.56	25.70	1.300	-	-	-0.05	0.196	0.255
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 12	DS11	633334	3500.01	24.43	25.70	1.340	-	-	-0.16	0.161	0.216
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 12	DS11	633334	3500.01	24.56	25.70	1.300	-	-	0.02	0.298	0.387
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 12	DS11	633334	3500.01	24.43	25.70	1.340	-	-	-0.1	0.233	0.312
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 12	DS11	633334	3500.01	24.56	25.70	1.300	-	-	-0.03	0.170	0.221
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 12	DS11	633334	3500.01	24.43	25.70	1.340	-	-	0.05	0.151	0.202
FR1 n78 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 12	DS11	633334	3500.01	26.83	28.50	1.469	50	1.000	0.01	0.451	0.662





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)
<b>2450MHz</b>																
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 15+18	Standalone& DBS Standalone	6	2437	16.01	16.50	1.119	97.46	1.026	0.17	0.283	0.325
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 15+18	Standalone& DBS Standalone	6	2437	16.01	16.50	1.119	97.46	1.026	0.04	0.279	0.320
28	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 15+18	Standalone& DBS Standalone	6	2437	16.01	16.50	1.119	97.46	1.026	-0.05	0.632	<b>0.726</b>
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 15+18	Standalone& DBS Standalone	6	2437	16.01	16.50	1.119	97.46	1.026	0.09	0.479	0.550
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 15+18	No DBS Simultaneous	6	2437	15.03	15.50	1.114	97.46	1.026	0.02	0.192	0.220
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 15+18	No DBS Simultaneous	6	2437	15.03	15.50	1.114	97.46	1.026	0.01	0.188	0.215
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 15+18	No DBS Simultaneous	6	2437	15.03	15.50	1.114	97.46	1.026	-0.04	0.438	0.501
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 15+18	No DBS Simultaneous	6	2437	15.03	15.50	1.114	97.46	1.026	0.07	0.324	0.370
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 15+18	DBS Simultaneous	6	2437	11.08	12.00	1.236	97.46	1.026	0.01	0.100	0.127
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 15+18	DBS Simultaneous	6	2437	11.08	12.00	1.236	97.46	1.026	0.05	0.099	0.126
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 15+18	DBS Simultaneous	6	2437	11.08	12.00	1.236	97.46	1.026	0.03	0.214	0.271
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 15+18	DBS Simultaneous	6	2437	11.08	12.00	1.236	97.46	1.026	-0.02	0.125	0.159
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 18	Receiver on	39	2441	6.88	8.50	1.452	76.79	1.085	-0.18	0.008	0.013
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 18	Receiver on	39	2441	6.88	8.50	1.452	76.79	1.085	0.01	0.010	0.016
29	Bluetooth	1Mbps	Left Cheek	0mm	Ant 18	Receiver on	39	2441	6.88	8.50	1.452	76.79	1.085	-0.01	0.09	<b>0.142</b>
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 18	Receiver on	39	2441	6.88	8.50	1.452	76.79	1.085	0.17	0.039	0.061
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 15	Receiver on	78	2480	11.52	12.50	1.253	76.64	1.087	-0.18	0.007	0.010
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 15	Receiver on	78	2480	11.52	12.50	1.253	76.64	1.087	0.07	0.003	0.004
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 15	Receiver on	78	2480	11.52	12.50	1.253	76.64	1.087	0.02	0.092	0.125
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 15	Receiver on	78	2480	11.52	12.50	1.253	76.64	1.087	-0.02	0.012	0.016
<b>5000MHz</b>																
	WLAN5.3GHz	802.11ac-VHT80MCS	Right Cheek	0mm	Ant 17+18	Standalone	58	5290	14.14	15.50	1.368	100	1.000	0.15	0.131	0.179
	WLAN5.3GHz	802.11ac-VHT80MCS	Right Tilted	0mm	Ant 17+18	Standalone	58	5290	14.14	15.50	1.368	100	1.000	0.09	0.128	0.175
30	WLAN5.3GHz	802.11ac-VHT80MCS	Left Cheek	0mm	Ant 17+18	Standalone	58	5290	14.14	15.50	1.368	100	1.000	-0.09	0.342	<b>0.468</b>
	WLAN5.3GHz	802.11ac-VHT80MCS	Left Tilted	0mm	Ant 17+18	Standalone	58	5290	14.14	15.50	1.368	100	1.000	0.03	0.263	0.360
	WLAN5.3GHz	802.11ac-VHT80MCS	Right Cheek	0mm	Ant 17+18	DBS Simultaneous	58	5290	10.80	12.50	1.479	100	1.000	-0.05	0.065	0.096
	WLAN5.3GHz	802.11ac-VHT80MCS	Right Tilted	0mm	Ant 17+18	DBS Simultaneous	58	5290	10.80	12.50	1.479	100	1.000	-0.04	0.063	0.093
	WLAN5.3GHz	802.11ac-VHT80MCS	Left Cheek	0mm	Ant 17+18	DBS Simultaneous	58	5290	10.80	12.50	1.479	100	1.000	0.03	0.169	0.250
	WLAN5.3GHz	802.11ac-VHT80MCS	Left Tilted	0mm	Ant 17+18	DBS Simultaneous	58	5290	10.80	12.50	1.479	100	1.000	0.09	0.145	0.214
	WLAN5.5GHz	802.11ac-VHT80MCS	Right Cheek	0mm	Ant 17+18	Standalone	122	5610	15.31	16.00	1.172	100	1.000	-0.13	0.151	0.177
	WLAN5.5GHz	802.11ac-VHT80MCS	Right Tilted	0mm	Ant 17+18	Standalone	122	5610	15.31	16.00	1.172	100	1.000	0.07	0.141	0.165
31	WLAN5.5GHz	802.11ac-VHT80MCS	Left Cheek	0mm	Ant 17+18	Standalone	122	5610	15.31	16.00	1.172	100	1.000	-0.02	0.447	<b>0.524</b>
	WLAN5.5GHz	802.11ac-VHT80MCS	Left Tilted	0mm	Ant 17+18	Standalone	122	5610	15.31	16.00	1.172	100	1.000	0.07	0.315	0.369
	WLAN5.5GHz	802.11ac-VHT80MCS	Right Cheek	0mm	Ant 17+18	DBS Simultaneous	122	5610	11.05	12.00	1.245	100	1.000	0.02	0.065	0.081
	WLAN5.5GHz	802.11ac-VHT80MCS	Right Tilted	0mm	Ant 17+18	DBS Simultaneous	122	5610	11.05	12.00	1.245	100	1.000	-0.09	0.061	0.076
	WLAN5.5GHz	802.11ac-VHT80MCS	Left Cheek	0mm	Ant 17+18	DBS Simultaneous	122	5610	11.05	12.00	1.245	100	1.000	0.03	0.202	0.251
	WLAN5.5GHz	802.11ac-VHT80MCS	Left Tilted	0mm	Ant 17+18	DBS Simultaneous	122	5610	11.05	12.00	1.245	100	1.000	0.03	0.141	0.175
	WLAN5.8GHz	802.11ac-VHT80MCS	Right Cheek	0mm	Ant 17+18	Standalone	155	5775	16.10	17.50	1.380	100	1.000	0.08	0.319	0.440
	WLAN5.8GHz	802.11ac-VHT80MCS	Right Tilted	0mm	Ant 17+18	Standalone	155	5775	16.10	17.50	1.380	100	1.000	-0.12	0.316	0.436
32	WLAN5.8GHz	802.11ac-VHT80MCS	Left Cheek	0mm	Ant 17+18	Standalone	155	5775	16.10	17.50	1.380	100	1.000	-0.03	0.783	<b>1.081</b>
	WLAN5.8GHz	802.11ac-VHT80MCS	Left Tilted	0mm	Ant 17+18	Standalone	155	5775	16.10	17.50	1.380	100	1.000	0.07	0.581	0.802
	WLAN5.8GHz	802.11ac-VHT80MCS	Left Cheek	0mm	Ant 17+18	DBS Standalone	155	5775	15.11	16.50	1.377	100	1.000	0.03	0.598	0.824
	WLAN5.8GHz	802.11ac-VHT80MCS	Right Cheek	0mm	Ant 17+18	No DBS Simultaneous	155	5775	13.28	14.50	1.324	100	1.000	0.02	0.155	0.205
	WLAN5.8GHz	802.11ac-VHT80MCS	Right Tilted	0mm	Ant 17+18	No DBS Simultaneous	155	5775	13.28	14.50	1.324	100	1.000	0.07	0.148	0.196
	WLAN5.8GHz	802.11ac-VHT80MCS	Left Cheek	0mm	Ant 17+18	No DBS Simultaneous	155	5775	13.28	14.50	1.324	100	1.000	0.06	0.388	0.514
	WLAN5.8GHz	802.11ac-VHT80MCS	Left Tilted	0mm	Ant 17+18	No DBS Simultaneous	155	5775	13.28	14.50	1.324	100	1.000	0.02	0.281	0.372
	WLAN5.8GHz	802.11ac-VHT80MCS	Right Cheek	0mm	Ant 17+18	DBS Simultaneous	155	5775	9.79	11.50	1.483	100	1.000	-0.04	0.072	0.107
	WLAN5.8GHz	802.11ac-VHT80MCS	Right Tilted	0mm	Ant 17+18	DBS Simultaneous	155	5775	9.79	11.50	1.483	100	1.000	0.07	0.071	0.105
	WLAN5.8GHz	802.11ac-VHT80MCS	Left Cheek	0mm	Ant 17+18	DBS Simultaneous	155	5775	9.79	11.50	1.483	100	1.000	0.05	0.167	0.248
	WLAN5.8GHz	802.11ac-VHT80MCS	Left Tilted	0mm	Ant 17+18	DBS Simultaneous	155	5775	9.79	11.50	1.483	100	1.000	-0.02	0.131	0.194





16.2 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)
<b>750MHz</b>																		
	LTE Band 12	10M	QPSK	1	0	-	Front	10mm	Ant 0	DSIS	23095	707.5	22.71	23.20	1.119	0.03	0.125	0.140
	LTE Band 12	10M	QPSK	25	0	-	Front	10mm	Ant 0	DSIS	23095	707.5	22.65	23.20	1.135	0.01	0.130	0.148
	LTE Band 12	10M	QPSK	1	0	-	Back	10mm	Ant 0	DSIS	23095	707.5	22.71	23.20	1.119	0.09	0.141	0.158
	LTE Band 12	10M	QPSK	25	0	-	Back	10mm	Ant 0	DSIS	23095	707.5	22.65	23.20	1.135	0.05	0.130	0.148
	LTE Band 12	10M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSIS	23095	707.5	22.71	23.20	1.119	0.01	0.241	0.270
	LTE Band 12	10M	QPSK	25	0	-	Right Side	10mm	Ant 0	DSIS	23095	707.5	22.65	23.20	1.135	0.07	0.237	0.269
	LTE Band 12	10M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSIS	23095	707.5	22.71	23.20	1.119	0.02	0.048	0.054
	LTE Band 12	10M	QPSK	25	0	-	Bottom Side	10mm	Ant 0	DSIS	23095	707.5	22.65	23.20	1.135	0.07	0.052	0.059
	LTE Band 12	10M	QPSK	1	0	-	Front	10mm	Ant 1	DSIS	23095	707.5	21.24	22.70	1.400	0.09	0.275	0.385
	LTE Band 12	10M	QPSK	25	0	-	Front	10mm	Ant 1	DSIS	23095	707.5	21.20	22.70	1.413	0.03	0.311	0.439
	LTE Band 12	10M	QPSK	1	0	-	Back	10mm	Ant 1	DSIS	23095	707.5	21.24	22.70	1.400	0.07	0.296	0.414
	LTE Band 12	10M	QPSK	25	0	-	Back	10mm	Ant 1	DSIS	23095	707.5	21.20	22.70	1.413	0.06	0.316	0.446
	LTE Band 12	10M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSIS	23095	707.5	21.24	22.70	1.400	0.02	0.463	0.648
33	LTE Band 12	10M	QPSK	25	0	-	Left Side	10mm	Ant 1	DSIS	23095	707.5	21.20	22.70	1.413	-0.01	0.495	0.699
	LTE Band 13	10M	QPSK	1	0	-	Front	10mm	Ant 0	DSIS	23230	782	24.16	24.60	1.107	0.03	0.300	0.332
	LTE Band 13	10M	QPSK	25	0	-	Front	10mm	Ant 0	DSIS	23230	782	23.99	24.60	1.150	0.07	0.294	0.338
	LTE Band 13	10M	QPSK	1	0	-	Back	10mm	Ant 0	DSIS	23230	782	24.16	24.60	1.107	0.06	0.299	0.331
	LTE Band 13	10M	QPSK	25	0	-	Back	10mm	Ant 0	DSIS	23230	782	23.99	24.60	1.150	0.02	0.290	0.334
	LTE Band 13	10M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSIS	23230	782	24.16	24.60	1.107	0.07	0.340	0.376
	LTE Band 13	10M	QPSK	25	0	-	Right Side	10mm	Ant 0	DSIS	23230	782	23.99	24.60	1.150	0.03	0.307	0.353
	LTE Band 13	10M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSIS	23230	782	24.16	24.60	1.107	0.08	0.143	0.158
	LTE Band 13	10M	QPSK	25	0	-	Bottom Side	10mm	Ant 0	DSIS	23230	782	23.99	24.60	1.150	0.03	0.139	0.160
	LTE Band 13	10M	QPSK	1	0	-	Front	10mm	Ant 1	DSIS	23230	782	21.23	22.70	1.403	0.03	0.382	0.536
	LTE Band 13	10M	QPSK	25	0	-	Front	10mm	Ant 1	DSIS	23230	782	21.22	22.70	1.406	0.07	0.394	0.554
	LTE Band 13	10M	QPSK	1	0	-	Back	10mm	Ant 1	DSIS	23230	782	21.23	22.70	1.403	0.06	0.397	0.557
	LTE Band 13	10M	QPSK	25	0	-	Back	10mm	Ant 1	DSIS	23230	782	21.22	22.70	1.406	0.02	0.402	0.565
34	LTE Band 13	10M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSIS	23230	782	21.23	22.70	1.403	0.13	0.510	0.715
	LTE Band 13	10M	QPSK	25	0	-	Left Side	10mm	Ant 1	DSIS	23230	782	21.22	22.70	1.406	0.03	0.505	0.710
	LTE Band 17	10M	QPSK	1	0	-	Front	10mm	Ant 1	DSIS	23790	710	24.43	25.70	1.340	0.05	0.407	0.545
	LTE Band 17	10M	QPSK	25	0	-	Front	10mm	Ant 1	DSIS	23790	710	24.36	25.70	1.361	-0.19	0.431	0.587
	LTE Band 17	10M	QPSK	1	0	-	Back	10mm	Ant 1	DSIS	23790	710	24.43	25.70	1.340	-0.02	0.420	0.563
	LTE Band 17	10M	QPSK	25	0	-	Back	10mm	Ant 1	DSIS	23790	710	24.36	25.70	1.361	-0.18	0.434	0.591
	LTE Band 17	10M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSIS	23790	710	24.43	25.70	1.340	0.07	0.532	0.713
35	LTE Band 17	10M	QPSK	25	0	-	Left Side	10mm	Ant 1	DSIS	23790	710	24.36	25.70	1.361	0.09	0.533	0.726
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 0	DSIS	136100	680.5	24.80	25.70	1.230	0.12	0.228	0.281
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Front	10mm	Ant 0	DSIS	136100	680.5	24.76	25.70	1.242	0.13	0.225	0.279
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 0	DSIS	136100	680.5	24.80	25.70	1.230	0.01	0.223	0.274
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Back	10mm	Ant 0	DSIS	136100	680.5	24.76	25.70	1.242	0.06	0.229	0.284
36	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Right Side	10mm	Ant 0	DSIS	136100	680.5	24.80	25.70	1.230	0.07	0.278	0.342
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Right Side	10mm	Ant 0	DSIS	136100	680.5	24.76	25.70	1.242	0.12	0.249	0.309
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	10mm	Ant 0	DSIS	136100	680.5	24.80	25.70	1.230	0.14	0.067	0.082
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Bottom Side	10mm	Ant 0	DSIS	136100	680.5	24.76	25.70	1.242	0.11	0.056	0.070
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 1	DSIS	136100	680.5	24.51	25.70	1.315	0.03	0.210	0.276
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Front	10mm	Ant 1	DSIS	136100	680.5	24.49	25.70	1.321	0.01	0.156	0.206
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 1	DSIS	136100	680.5	24.51	25.70	1.315	-0.03	0.229	0.301
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Back	10mm	Ant 1	DSIS	136100	680.5	24.49	25.70	1.321	0.13	0.171	0.226
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 1	DSIS	136100	680.5	24.51	25.70	1.315	0.15	0.226	0.297
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Left Side	10mm	Ant 1	DSIS	136100	680.5	24.49	25.70	1.321	0.13	0.184	0.243
<b>835MHz</b>																		
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	10mm	Ant 0	DSIS	189	836.4	27.04	27.40	1.086	-0.13	0.305	0.331
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	10mm	Ant 0	DSIS	189	836.4	27.04	27.40	1.086	0.08	0.338	0.367
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Right Side	10mm	Ant 0	DSIS	189	836.4	27.04	27.40	1.086	0.02	0.391	0.425



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	GSM850	-	-	-	-	GPRS (4 Tx slots)	Bottom Side	10mm	Ant 0	DSIS	189	836.4	27.04	27.40	1.086	0.18	0.181	0.197
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	10mm	Ant 1	DSIS	189	836.4	22.09	23.50	1.384	0.05	0.268	0.371
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	10mm	Ant 1	DSIS	189	836.4	22.09	23.50	1.384	0.12	0.318	0.440
37	GSM850	-	-	-	-	GPRS (4 Tx slots)	Left Side	10mm	Ant 1	DSIS	189	836.4	22.09	23.50	1.384	0.02	0.472	<b>0.653</b>
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 0	DSIS	4182	836.4	23.81	24.50	1.172	0.06	0.340	0.399
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 0	DSIS	4182	836.4	23.81	24.50	1.172	0.02	0.373	0.437
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Side	10mm	Ant 0	DSIS	4182	836.4	23.81	24.50	1.172	0.01	0.432	0.506
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 0	DSIS	4182	836.4	23.81	24.50	1.172	-0.09	0.198	0.232
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 1	DSIS	4182	836.4	20.17	21.70	1.422	-0.07	0.466	0.663
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 1	DSIS	4182	836.4	20.17	21.70	1.422	-0.08	0.487	0.693
38	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 1	DSIS	4182	836.4	20.17	21.70	1.422	-0.05	0.492	<b>0.700</b>
	LTE Band 5	10M	QPSK	1	0	-	Front	10mm	Ant 1	DSIS	20525	836.5	20.62	22.20	1.439	-0.07	0.388	0.558
	LTE Band 5	10M	QPSK	25	0	-	Front	10mm	Ant 1	DSIS	20525	836.5	20.57	22.20	1.455	0.09	0.404	0.588
	LTE Band 5	10M	QPSK	1	0	-	Back	10mm	Ant 1	DSIS	20525	836.5	20.62	22.20	1.439	0.07	0.398	0.573
	LTE Band 5	10M	QPSK	25	0	-	Back	10mm	Ant 1	DSIS	20525	836.5	20.57	22.20	1.455	-0.04	0.413	0.601
	LTE Band 5	10M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSIS	20525	836.5	20.62	22.20	1.439	-0.16	0.494	0.711
39	LTE Band 5	10M	QPSK	25	0	-	Left Side	10mm	Ant 1	DSIS	20525	836.5	20.57	22.20	1.455	0.13	0.519	<b>0.755</b>
	LTE Band 26	15M	QPSK	1	0	-	Front	10mm	Ant 0	DSIS	26865	831.5	24.57	25.20	1.156	0.02	0.293	0.339
	LTE Band 26	15M	QPSK	36	0	-	Front	10mm	Ant 0	DSIS	26865	831.5	24.44	25.20	1.191	0.09	0.300	0.357
	LTE Band 26	15M	QPSK	1	0	-	Back	10mm	Ant 0	DSIS	26865	831.5	24.57	25.20	1.156	0.06	0.309	0.357
	LTE Band 26	15M	QPSK	36	0	-	Back	10mm	Ant 0	DSIS	26865	831.5	24.44	25.20	1.191	0.01	0.325	0.387
	LTE Band 26	15M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSIS	26865	831.5	24.57	25.20	1.156	0.02	0.344	0.398
	LTE Band 26	15M	QPSK	36	0	-	Right Side	10mm	Ant 0	DSIS	26865	831.5	24.44	25.20	1.191	-0.09	0.374	0.446
	LTE Band 26	15M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSIS	26865	831.5	24.57	25.20	1.156	0.04	0.174	0.201
	LTE Band 26	15M	QPSK	36	0	-	Bottom Side	10mm	Ant 0	DSIS	26865	831.5	24.44	25.20	1.191	0.09	0.175	0.208
	LTE Band 26	15M	QPSK	1	0	-	Front	10mm	Ant 1	DSIS	26865	831.5	20.09	21.70	1.449	0.06	0.269	0.390
	LTE Band 26	15M	QPSK	36	0	-	Front	10mm	Ant 1	DSIS	26865	831.5	20.01	21.70	1.476	0.09	0.296	0.437
	LTE Band 26	15M	QPSK	1	0	-	Back	10mm	Ant 1	DSIS	26865	831.5	20.09	21.70	1.449	0.06	0.272	0.394
	LTE Band 26	15M	QPSK	36	0	-	Back	10mm	Ant 1	DSIS	26865	831.5	20.01	21.70	1.476	0.13	0.308	0.455
40	LTE Band 26	15M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSIS	26865	831.5	20.09	21.70	1.449	0.11	0.371	<b>0.537</b>
	LTE Band 26	15M	QPSK	36	0	-	Left Side	10mm	Ant 1	DSIS	26865	831.5	20.01	21.70	1.476	0.02	0.351	0.518
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 0	DSIS	167300	836.5	23.99	24.20	1.050	0.15	0.339	0.356
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Front	10mm	Ant 0	DSIS	167300	836.5	23.95	24.20	1.059	-0.03	0.364	0.386
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 0	DSIS	167300	836.5	23.99	24.20	1.050	0.01	0.370	0.388
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Back	10mm	Ant 0	DSIS	167300	836.5	23.95	24.20	1.059	-0.17	0.377	0.399
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Right Side	10mm	Ant 0	DSIS	167300	836.5	23.99	24.20	1.050	-0.03	0.356	0.374
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Right Side	10mm	Ant 0	DSIS	167300	836.5	23.95	24.20	1.059	-0.08	0.394	0.417
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	10mm	Ant 0	DSIS	167300	836.5	23.99	24.20	1.050	-0.13	0.204	0.214
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Bottom Side	10mm	Ant 0	DSIS	167300	836.5	23.95	24.20	1.059	0.06	0.212	0.225
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 1	DSIS	167300	836.5	19.94	21.20	1.337	0.07	0.350	0.468
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Front	10mm	Ant 1	DSIS	167300	836.5	19.84	21.20	1.368	-0.15	0.374	0.512
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 1	DSIS	167300	836.5	19.94	21.20	1.337	0.02	0.370	0.495
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Back	10mm	Ant 1	DSIS	167300	836.5	19.84	21.20	1.368	-0.15	0.395	0.540
41	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 1	DSIS	167300	836.5	19.94	21.20	1.337	-0.08	0.452	<b>0.604</b>
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Left Side	10mm	Ant 1	DSIS	167300	836.5	19.84	21.20	1.368	0.09	0.409	0.559
<b>1750MHz</b>																		
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 3	DSIS	1413	1732.6	21.21	21.90	1.172	0.19	0.394	0.462
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 3	DSIS	1413	1732.6	21.21	21.90	1.172	-0.04	0.389	0.456
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 3	DSIS	1413	1732.6	21.21	21.90	1.172	0.05	0.147	0.172
42	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 3	DSIS	1413	1732.6	21.21	21.90	1.172	0.05	0.710	<b>0.832</b>
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 3	DSIS	1312	1712.4	21.14	21.90	1.191	0.08	0.682	0.812
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 3	DSIS	1513	1752.6	21.20	21.90	1.175	0.04	0.694	0.815
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 0	DSIS	1413	1732.6	20.80	22.20	1.380	-0.02	0.310	0.428
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 0	DSIS	1413	1732.6	20.80	22.20	1.380	-0.04	0.357	0.493
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Side	10mm	Ant 0	DSIS	1413	1732.6	20.80	22.20	1.380	0.03	0.395	0.545
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 0	DSIS	1413	1732.6	20.80	22.20	1.380	-0.02	0.397	0.548
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 4	DSIS	1413	1732.6	15.30	16.60	1.349	-0.07	0.154	0.208



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	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 4	DS15	1413	1732.6	15.30	16.60	1.349	0.07	0.208	0.281
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 4	DS15	1413	1732.6	15.30	16.60	1.349	0.02	0.000	0.000
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	10mm	Ant 4	DS15	1413	1732.6	15.30	16.60	1.349	0.06	0.247	0.333
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 6	DS15	1413	1732.6	16.57	17.70	1.297	0.09	0.121	0.157
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 6	DS15	1413	1732.6	16.57	17.70	1.297	0.09	0.136	0.176
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 6	DS15	1413	1732.6	16.57	17.70	1.297	-0.09	0.159	0.206
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	10mm	Ant 6	DS15	1413	1732.6	16.57	17.70	1.297	0.06	0.001	0.001
	LTE Band 4	20M	QPSK	1	0	-	Front	10mm	Ant 3	DS15	20175	1732.5	22.22	22.50	1.067	0.05	0.438	0.467
	LTE Band 4	20M	QPSK	50	0	-	Front	10mm	Ant 3	DS15	20175	1732.5	22.21	22.50	1.069	0.08	0.446	0.477
	LTE Band 4	20M	QPSK	1	0	-	Back	10mm	Ant 3	DS15	20175	1732.5	22.22	22.50	1.067	-0.15	0.441	0.470
	LTE Band 4	20M	QPSK	50	0	-	Back	10mm	Ant 3	DS15	20175	1732.5	22.21	22.50	1.069	-0.18	0.449	0.480
	LTE Band 4	20M	QPSK	1	0	-	Left Side	10mm	Ant 3	DS15	20175	1732.5	22.22	22.50	1.067	0.04	0.164	0.175
	LTE Band 4	20M	QPSK	50	0	-	Left Side	10mm	Ant 3	DS15	20175	1732.5	22.21	22.50	1.069	-0.09	0.166	0.177
	LTE Band 4	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 3	DS15	20175	1732.5	22.22	22.50	1.067	0.06	0.641	0.684
	LTE Band 4	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 3	DS15	20175	1732.5	22.21	22.50	1.069	-0.06	0.671	0.717
	LTE Band 4	20M	QPSK	1	0	-	Front	10mm	Ant 0	DS15	20175	1732.5	23.55	25.00	1.396	0.11	0.550	0.768
	LTE Band 4	20M	QPSK	50	0	-	Front	10mm	Ant 0	DS15	20175	1732.5	23.54	25.00	1.400	0.06	0.527	0.738
	LTE Band 4	20M	QPSK	1	0	-	Back	10mm	Ant 0	DS15	20175	1732.5	23.55	25.00	1.396	0.03	0.637	0.889
	LTE Band 4	20M	QPSK	50	0	-	Back	10mm	Ant 0	DS15	20175	1732.5	23.54	25.00	1.400	-0.02	0.607	0.850
	LTE Band 4	20M	QPSK	100	0	-	Back	10mm	Ant 0	DS15	20175	1732.5	23.38	25.00	1.452	0.03	0.583	0.847
43	LTE Band 4	20M	QPSK	1	0	-	Right Side	10mm	Ant 0	DS15	20175	1732.5	23.55	25.00	1.396	-0.01	0.763	1.065
	LTE Band 4	20M	QPSK	50	0	-	Right Side	10mm	Ant 0	DS15	20175	1732.5	23.54	25.00	1.400	0.06	0.715	1.001
	LTE Band 4	20M	QPSK	100	0	-	Right Side	10mm	Ant 0	DS15	20175	1732.5	23.38	25.00	1.452	-0.12	0.719	1.044
	LTE Band 4	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DS15	20175	1732.5	23.55	25.00	1.396	0.03	0.524	0.732
	LTE Band 4	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 0	DS15	20175	1732.5	23.54	25.00	1.400	-0.01	0.535	0.749
	LTE Band 4	20M	QPSK	1	0	-	Front	10mm	Ant 4	DS15	20175	1732.5	16.07	16.70	1.156	0.04	0.165	0.191
	LTE Band 4	20M	QPSK	50	0	-	Front	10mm	Ant 4	DS15	20175	1732.5	15.90	16.70	1.202	-0.07	0.104	0.125
	LTE Band 4	20M	QPSK	1	0	-	Back	10mm	Ant 4	DS15	20175	1732.5	16.07	16.70	1.156	0.06	0.209	0.242
	LTE Band 4	20M	QPSK	50	0	-	Back	10mm	Ant 4	DS15	20175	1732.5	15.90	16.70	1.202	-0.17	0.211	0.254
	LTE Band 4	20M	QPSK	1	0	-	Left Side	10mm	Ant 4	DS15	20175	1732.5	16.07	16.70	1.156	0.13	0.054	0.062
	LTE Band 4	20M	QPSK	50	0	-	Left Side	10mm	Ant 4	DS15	20175	1732.5	15.90	16.70	1.202	0.01	0.049	0.059
	LTE Band 4	20M	QPSK	1	0	-	Top Side	10mm	Ant 4	DS15	20175	1732.5	16.07	16.70	1.156	0.13	0.290	0.335
	LTE Band 4	20M	QPSK	50	0	-	Top Side	10mm	Ant 4	DS15	20175	1732.5	15.90	16.70	1.202	-0.16	0.277	0.333
	LTE Band 4	20M	QPSK	1	0	-	Front	10mm	Ant 6	DS15	20175	1732.5	15.76	16.90	1.300	0.11	0.101	0.131
	LTE Band 4	20M	QPSK	50	0	-	Front	10mm	Ant 6	DS15	20175	1732.5	15.74	16.90	1.306	0.02	0.103	0.135
	LTE Band 4	20M	QPSK	1	0	-	Back	10mm	Ant 6	DS15	20175	1732.5	15.76	16.90	1.300	0.14	0.122	0.159
	LTE Band 4	20M	QPSK	50	0	-	Back	10mm	Ant 6	DS15	20175	1732.5	15.74	16.90	1.306	-0.07	0.130	0.170
	LTE Band 4	20M	QPSK	1	0	-	Left Side	10mm	Ant 6	DS15	20175	1732.5	15.76	16.90	1.300	0.1	0.150	0.195
	LTE Band 4	20M	QPSK	50	0	-	Left Side	10mm	Ant 6	DS15	20175	1732.5	15.74	16.90	1.306	-0.01	0.155	0.202
	LTE Band 4	20M	QPSK	1	0	-	Top Side	10mm	Ant 6	DS15	20175	1732.5	15.76	16.90	1.300	0.04	0.001	0.001
	LTE Band 4	20M	QPSK	50	0	-	Top Side	10mm	Ant 6	DS15	20175	1732.5	15.74	16.90	1.306	0.1	0.001	0.001
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 3	DS15	132322	1745	22.33	22.90	1.140	0.06	0.447	0.510
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 3	DS15	132322	1745	22.28	22.90	1.153	0.1	0.442	0.510
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 3	DS15	132322	1745	22.33	22.90	1.140	0.06	0.428	0.488
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 3	DS15	132322	1745	22.28	22.90	1.153	0.01	0.435	0.502
	LTE Band 66	20M	QPSK	1	0	-	Left Side	10mm	Ant 3	DS15	132322	1745	22.33	22.90	1.140	0.09	0.159	0.181
	LTE Band 66	20M	QPSK	50	0	-	Left Side	10mm	Ant 3	DS15	132322	1745	22.28	22.90	1.153	0.05	0.147	0.170
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 3	DS15	132322	1745	22.33	22.90	1.140	0.08	0.725	0.827
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 3	DS15	132072	1720	22.28	22.90	1.153	0.03	0.681	0.786
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 3	DS15	132572	1770	22.09	22.90	1.205	0.08	0.695	0.837
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 3	DS15	132322	1745	22.28	22.90	1.153	0.03	0.729	0.841
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 3	DS15	132072	1720	22.27	22.90	1.156	0.04	0.691	0.799
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 3	DS15	132572	1770	22.21	22.90	1.172	0.12	0.711	0.833
	LTE Band 66	20M	QPSK	100	0	-	Bottom Side	10mm	Ant 3	DS15	132322	1745	22.06	22.90	1.213	0.08	0.657	0.797
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 0	DS15	132322	1745	21.42	22.80	1.374	0.03	0.422	0.580
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 0	DS15	132322	1745	21.37	22.80	1.390	0.01	0.435	0.605
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 0	DS15	132322	1745	21.42	22.80	1.374	0.13	0.525	0.721



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	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSIS	132322	1745	21.37	22.80	1.390	0.11	0.523	0.727
44	LTE Band 66	20M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSIS	132322	1745	21.42	22.80	1.374	0.03	0.693	<b>0.952</b>
	LTE Band 66	20M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSIS	132072	1720	21.33	22.80	1.403	0.03	0.581	0.815
	LTE Band 66	20M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSIS	132572	1770	21.29	22.80	1.416	0.04	0.575	0.814
	LTE Band 66	20M	QPSK	50	0	-	Right Side	10mm	Ant 0	DSIS	132322	1745	21.37	22.80	1.390	0.06	0.684	0.951
	LTE Band 66	20M	QPSK	50	0	-	Right Side	10mm	Ant 0	DSIS	132072	1720	21.24	22.80	1.432	0.1	0.662	0.948
	LTE Band 66	20M	QPSK	50	0	-	Right Side	10mm	Ant 0	DSIS	132572	1770	21.30	22.80	1.413	0.06	0.648	0.915
	LTE Band 66	20M	QPSK	100	0	-	Right Side	10mm	Ant 0	DSIS	132322	1745	21.31	22.80	1.409	0.11	0.573	0.808
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSIS	132322	1745	21.42	22.80	1.374	-0.03	0.400	0.550
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 0	DSIS	132322	1745	21.37	22.80	1.390	0.05	0.371	0.516
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 4	DSIS	132322	1745	16.08	16.70	1.153	0.06	0.212	0.245
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 4	DSIS	132322	1745	16.04	16.70	1.164	0.1	0.203	0.236
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 4	DSIS	132322	1745	16.08	16.70	1.153	0.06	0.286	0.330
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 4	DSIS	132322	1745	16.04	16.70	1.164	0.01	0.278	0.324
	LTE Band 66	20M	QPSK	1	0	-	Left Side	10mm	Ant 4	DSIS	132322	1745	16.08	16.70	1.153	0.09	0.051	0.059
	LTE Band 66	20M	QPSK	50	0	-	Left Side	10mm	Ant 4	DSIS	132322	1745	16.04	16.70	1.164	0.05	0.047	0.055
	LTE Band 66	20M	QPSK	1	0	-	Top Side	10mm	Ant 4	DSIS	132322	1745	16.08	16.70	1.153	0.02	0.325	0.375
	LTE Band 66	20M	QPSK	50	0	-	Top Side	10mm	Ant 4	DSIS	132322	1745	16.04	16.70	1.164	0.06	0.311	0.362
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 6	DSIS	132322	1745	15.49	16.70	1.321	0.06	0.119	0.157
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 6	DSIS	132322	1745	15.46	16.70	1.330	0.04	0.131	0.174
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 6	DSIS	132322	1745	15.49	16.70	1.321	-0.07	0.142	0.188
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 6	DSIS	132322	1745	15.46	16.70	1.330	0.03	0.150	0.200
	LTE Band 66	20M	QPSK	1	0	-	Left Side	10mm	Ant 6	DSIS	132322	1745	15.49	16.70	1.321	0.03	0.185	0.244
	LTE Band 66	20M	QPSK	50	0	-	Left Side	10mm	Ant 6	DSIS	132322	1745	15.46	16.70	1.330	-0.03	0.176	0.234
	LTE Band 66	20M	QPSK	1	0	-	Top Side	10mm	Ant 6	DSIS	132322	1745	15.49	16.70	1.321	0.16	0.001	0.001
	LTE Band 66	20M	QPSK	50	0	-	Top Side	10mm	Ant 6	DSIS	132322	1745	15.46	16.70	1.330	0.02	0.001	0.001
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 3	DSIS	349000	1745	22.35	22.70	1.084	-0.13	0.449	0.487
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	10mm	Ant 3	DSIS	349000	1745	22.30	22.70	1.096	-0.03	0.474	0.520
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 3	DSIS	349000	1745	22.35	22.70	1.084	0.08	0.459	0.498
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	10mm	Ant 3	DSIS	349000	1745	22.30	22.70	1.096	0.08	0.462	0.507
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 3	DSIS	349000	1745	22.35	22.70	1.084	-0.14	0.165	0.179
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	10mm	Ant 3	DSIS	349000	1745	22.30	22.70	1.096	0.02	0.153	0.168
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	10mm	Ant 3	DSIS	349000	1745	22.35	22.70	1.084	0.01	0.816	0.884
45	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	10mm	Ant 3	DSIS	349000	1745	22.30	22.70	1.096	0.1	0.880	<b>0.965</b>
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Bottom Side	10mm	Ant 3	DSIS	349000	1745	22.28	22.70	1.102	0.06	0.801	0.882
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 0	DSIS	349000	1745	21.40	22.70	1.349	0.04	0.373	0.503
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	10mm	Ant 0	DSIS	349000	1745	21.38	22.70	1.355	-0.12	0.341	0.462
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 0	DSIS	349000	1745	21.40	22.70	1.349	0.04	0.430	0.580
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	10mm	Ant 0	DSIS	349000	1745	21.38	22.70	1.355	0.03	0.413	0.560
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Side	10mm	Ant 0	DSIS	349000	1745	21.40	22.70	1.349	-0.09	0.597	0.805
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Right Side	10mm	Ant 0	DSIS	349000	1745	21.38	22.70	1.355	0.09	0.568	0.770
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Right Side	10mm	Ant 0	DSIS	349000	1745	21.34	22.70	1.368	0.03	0.551	0.754
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	10mm	Ant 0	DSIS	349000	1745	21.40	22.70	1.349	0.09	0.325	0.438
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	10mm	Ant 0	DSIS	349000	1745	21.38	22.70	1.355	-0.18	0.365	0.495
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 4	DSIS	349000	1745	16.27	16.70	1.104	0.16	0.183	0.202
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	10mm	Ant 4	DSIS	349000	1745	16.25	16.70	1.109	0.04	0.196	0.217
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 4	DSIS	349000	1745	16.27	16.70	1.104	0.05	0.233	0.257
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	10mm	Ant 4	DSIS	349000	1745	16.25	16.70	1.109	-0.11	0.239	0.265
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 4	DSIS	349000	1745	16.27	16.70	1.104	0.04	0.099	0.109
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	10mm	Ant 4	DSIS	349000	1745	16.25	16.70	1.109	-0.01	0.136	0.151
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	10mm	Ant 4	DSIS	349000	1745	16.27	16.70	1.104	0.05	0.267	0.295
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	10mm	Ant 4	DSIS	349000	1745	16.25	16.70	1.109	0.04	0.294	0.326
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 6	DSIS	349000	1745	16.02	16.70	1.169	0.1	0.113	0.132
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	10mm	Ant 6	DSIS	349000	1745	15.98	16.70	1.180	0.07	0.131	0.155
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 6	DSIS	349000	1745	16.02	16.70	1.169	0.01	0.129	0.151
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	10mm	Ant 6	DSIS	349000	1745	15.98	16.70	1.180	0.12	0.139	0.164
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 6	DSIS	349000	1745	16.02	16.70	1.169	0.18	0.172	0.201





	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	10mm	Ant 6	DSI5	349000	1745	15.98	16.70	1.180	-0.03	0.208	0.246	
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	10mm	Ant 6	DSI5	349000	1745	16.02	16.70	1.169	0.06	0.001	0.001	
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	10mm	Ant 6	DSI5	349000	1745	15.98	16.70	1.180	0.07	0.066	0.078	
<b>1900MHz</b>																			
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	10mm	Ant 3	DSI5	661	1880	23.46	24.40	1.242	-0.18	0.252	0.313	
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	10mm	Ant 3	DSI5	661	1880	23.46	24.40	1.242	-0.18	0.257	0.319	
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Left Side	10mm	Ant 3	DSI5	661	1880	23.46	24.40	1.242	0.04	0.098	0.122	
46	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Bottom Side	10mm	Ant 3	DSI5	661	1880	23.46	24.40	1.242	0.14	0.487	<b>0.605</b>	
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	10mm	Ant 4	DSI5	661	1880	18.58	20.00	1.387	0.04	0.125	0.173	
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	10mm	Ant 4	DSI5	661	1880	18.58	20.00	1.387	0.05	0.165	0.229	
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Left Side	10mm	Ant 4	DSI5	661	1880	18.58	20.00	1.387	0.02	0.089	0.123	
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Top Side	10mm	Ant 4	DSI5	661	1880	18.58	20.00	1.387	0.08	0.195	0.270	
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 3	DSI5	9400	1880	21.27	22.10	1.211	0.13	0.342	0.414	
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 3	DSI5	9400	1880	21.27	22.10	1.211	-0.13	0.324	0.392	
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 3	DSI5	9400	1880	21.27	22.10	1.211	-0.16	0.153	0.185	
47	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 3	DSI5	9400	1880	21.27	22.10	1.211	0.02	0.727	<b>0.880</b>	
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 3	DSI5	9262	1852.4	21.12	22.10	1.253	0.03	0.698	0.875	
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 3	DSI5	9538	1907.6	21.05	22.10	1.274	0.07	0.673	0.857	
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 4	DSI5	9400	1880	16.74	17.90	1.306	-0.16	0.211	0.276	
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 4	DSI5	9400	1880	16.74	17.90	1.306	-0.19	0.272	0.355	
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 4	DSI5	9400	1880	16.74	17.90	1.306	-0.19	0.110	0.144	
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	10mm	Ant 4	DSI5	9400	1880	16.74	17.90	1.306	0.07	0.369	0.482	
	LTE Band 2 Other PA	20M	QPSK	1	0	-	Front	10mm	Ant 6	DSI5	18900	1880	14.95	15.90	1.245	0.03	0.101	0.126	
	LTE Band 2 Other PA	20M	QPSK	50	0	-	Front	10mm	Ant 6	DSI5	18900	1880	14.71	15.90	1.315	0.01	0.085	0.112	
	LTE Band 2 Other PA	20M	QPSK	1	0	-	Back	10mm	Ant 6	DSI5	18900	1880	14.95	15.90	1.245	0.05	0.128	0.159	
	LTE Band 2 Other PA	20M	QPSK	50	0	-	Back	10mm	Ant 6	DSI5	18900	1880	14.71	15.90	1.315	0.01	0.104	0.137	
	LTE Band 2 Other PA	20M	QPSK	1	0	-	Left Side	10mm	Ant 6	DSI5	18900	1880	14.95	15.90	1.245	-0.01	0.195	0.243	
	LTE Band 2 Other PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 6	DSI5	18900	1880	14.71	15.90	1.315	0.03	0.131	0.172	
	LTE Band 2	20M	QPSK	1	0	-	Front	10mm	Ant 3	DSI5	18900	1880	22.13	22.60	1.114	0.01	0.395	0.440	
	LTE Band 2	20M	QPSK	50	0	-	Front	10mm	Ant 3	DSI5	18900	1880	22.06	22.60	1.132	-0.03	0.379	0.429	
	LTE Band 2	20M	QPSK	1	0	-	Back	10mm	Ant 3	DSI5	18900	1880	22.13	22.60	1.114	-0.17	0.351	0.391	
	LTE Band 2	20M	QPSK	50	0	-	Back	10mm	Ant 3	DSI5	18900	1880	22.06	22.60	1.132	0.03	0.384	0.435	
	LTE Band 2	20M	QPSK	1	0	-	Left Side	10mm	Ant 3	DSI5	18900	1880	22.13	22.60	1.114	-0.07	0.146	0.163	
	LTE Band 2	20M	QPSK	50	0	-	Left Side	10mm	Ant 3	DSI5	18900	1880	22.06	22.60	1.132	-0.05	0.171	0.194	
	LTE Band 2	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 3	DSI5	18900	1880	22.13	22.60	1.114	-0.05	0.824	0.918	
	LTE Band 2	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 3	DSI5	18700	1860	22.02	22.60	1.143	-0.15	0.833	0.952	
	LTE Band 2	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 3	DSI5	19100	1900	22.02	22.60	1.143	0.18	0.741	0.847	
	LTE Band 2	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 3	DSI5	18900	1880	22.06	22.60	1.132	0.11	0.799	0.905	
48	LTE Band 2	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 3	DSI5	18700	1860	21.84	22.60	1.191	0.02	0.846	<b>1.008</b>	
	LTE Band 2	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 3	DSI5	19100	1900	21.82	22.60	1.197	-0.12	0.722	0.864	
	LTE Band 2	20M	QPSK	100	0	-	Bottom Side	10mm	Ant 3	DSI5	18900	1880	22.02	22.60	1.143	0.07	0.779	0.890	
	LTE Band 25	20M	QPSK	1	0	-	Front	10mm	Ant 3	DSI5	26340	1880	20.83	21.10	1.064	0.02	0.281	0.299	
	LTE Band 25	20M	QPSK	50	0	-	Front	10mm	Ant 3	DSI5	26340	1880	20.70	21.10	1.096	0.06	0.278	0.305	
	LTE Band 25	20M	QPSK	1	0	-	Back	10mm	Ant 3	DSI5	26340	1880	20.83	21.10	1.064	0.08	0.267	0.284	
	LTE Band 25	20M	QPSK	50	0	-	Back	10mm	Ant 3	DSI5	26340	1880	20.70	21.10	1.096	0.01	0.292	0.320	
	LTE Band 25	20M	QPSK	1	0	-	Left Side	10mm	Ant 3	DSI5	26340	1880	20.83	21.10	1.064	0.09	0.126	0.134	
	LTE Band 25	20M	QPSK	50	0	-	Left Side	10mm	Ant 3	DSI5	26340	1880	20.70	21.10	1.096	0.07	0.123	0.135	
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 3	DSI5	26340	1880	20.83	21.10	1.064	0.08	0.599	0.637	
49	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 3	DSI5	26340	1880	20.70	21.10	1.096	0.13	0.613	<b>0.672</b>	
	LTE Band 25	20M	QPSK	1	0	-	Front	10mm	Ant 4	DSI5	26340	1880	16.17	17.00	1.211	-0.18	0.147	0.178	
	LTE Band 25	20M	QPSK	50	0	-	Front	10mm	Ant 4	DSI5	26340	1880	16.10	17.00	1.230	0.1	0.151	0.186	
	LTE Band 25	20M	QPSK	1	0	-	Back	10mm	Ant 4	DSI5	26340	1880	16.17	17.00	1.211	0.05	0.185	0.224	
	LTE Band 25	20M	QPSK	50	0	-	Back	10mm	Ant 4	DSI5	26340	1880	16.10	17.00	1.230	-0.04	0.164	0.202	
	LTE Band 25	20M	QPSK	1	0	-	Left Side	10mm	Ant 4	DSI5	26340	1880	16.17	17.00	1.211	-0.03	0.111	0.134	
	LTE Band 25	20M	QPSK	50	0	-	Left Side	10mm	Ant 4	DSI5	26340	1880	16.10	17.00	1.230	0.04	0.114	0.140	
	LTE Band 25	20M	QPSK	1	0	-	Top Side	10mm	Ant 4	DSI5	26340	1880	16.17	17.00	1.211	-0.13	0.299	0.362	
	LTE Band 25	20M	QPSK	50	0	-	Top Side	10mm	Ant 4	DSI5	26340	1880	16.10	17.00	1.230	0.02	0.304	0.374	





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)
<b>2600MHz</b>																				
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 3	DSI5	21100	2535	18.82	19.20	1.091	-	-	0.08	0.131	0.143
	LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 3	DSI5	21100	2535	18.68	19.20	1.127	-	-	0.01	0.129	0.145
	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 3	DSI5	21100	2535	18.82	19.20	1.091	-	-	0.09	0.171	0.187
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 3	DSI5	21100	2535	18.68	19.20	1.127	-	-	0.07	0.148	0.167
	LTE Band 7	20M	QPSK	1	0	-	Left Side	10mm	Ant 3	DSI5	21100	2535	18.82	19.20	1.091	-	-	0.02	0.046	0.050
	LTE Band 7	20M	QPSK	50	0	-	Left Side	10mm	Ant 3	DSI5	21100	2535	18.68	19.20	1.127	-	-	0.06	0.035	0.039
50	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 3	DSI5	21100	2535	18.82	19.20	1.091	-	-	0.07	0.276	<b>0.301</b>
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 3	DSI5	21100	2535	18.68	19.20	1.127	-	-	0.09	0.262	0.295
	LTE Band 7C	20M	QPSK	1	99	-	Bottom Side	10mm	Ant 3	DSI5	21100+21298	2535+2554.8	18.70	19.20	1.122	-	-	-0.01	0.256	0.287
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 0	DSI5	21100	2535	20.45	21.70	1.334	-	-	0.06	0.122	0.163
	LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 0	DSI5	21100	2535	20.38	21.70	1.355	-	-	-0.06	0.119	0.161
	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 0	DSI5	21100	2535	20.45	21.70	1.334	-	-	0.09	0.119	0.159
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI5	21100	2535	20.38	21.70	1.355	-	-	0.05	0.113	0.153
	LTE Band 7	20M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSI5	21100	2535	20.45	21.70	1.334	-	-	0.06	0.177	0.236
	LTE Band 7	20M	QPSK	50	0	-	Right Side	10mm	Ant 0	DSI5	21100	2535	20.38	21.70	1.355	-	-	0.06	0.179	0.243
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSI5	21100	2535	20.45	21.70	1.334	-	-	0.03	0.212	0.283
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 0	DSI5	21100	2535	20.38	21.70	1.355	-	-	0.01	0.213	0.289
	LTE Band 7C	20M	QPSK	50	50	-	Bottom Side	10mm	Ant 0	DSI5	21100+21298	2535+2554.8	20.19	22.00	1.517	-	-	0.03	0.183	0.278
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 4	DSI5	21100	2535	16.15	16.70	1.135	-	-	0.09	0.120	0.136
	LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 4	DSI5	21100	2535	16.10	16.70	1.148	-	-	0.02	0.121	0.139
	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 4	DSI5	21100	2535	16.15	16.70	1.135	-	-	0.06	0.126	0.143
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 4	DSI5	21100	2535	16.10	16.70	1.148	-	-	0.08	0.126	0.145
	LTE Band 7	20M	QPSK	1	0	-	Left Side	10mm	Ant 4	DSI5	21100	2535	16.15	16.70	1.135	-	-	0.07	0.065	0.074
	LTE Band 7	20M	QPSK	50	0	-	Left Side	10mm	Ant 4	DSI5	21100	2535	16.10	16.70	1.148	-	-	0.03	0.064	0.073
	LTE Band 7	20M	QPSK	1	0	-	Top Side	10mm	Ant 4	DSI5	21100	2535	16.15	16.70	1.135	-	-	0.1	0.239	0.271
	LTE Band 7	20M	QPSK	50	0	-	Top Side	10mm	Ant 4	DSI5	21100	2535	16.10	16.70	1.148	-	-	-0.13	0.250	0.287
	LTE Band 7C	20M	QPSK	50	50	-	Top Side	10mm	Ant 4	DSI5	21100+21298	2535+2554.8	16.01	16.70	1.172	-	-	-0.06	0.233	0.273
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 6	DSI5	21100	2535	15.12	16.20	1.282	-	-	-0.18	0.095	0.122
	LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 6	DSI5	21100	2535	15.06	16.20	1.300	-	-	-0.05	0.103	0.134
	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 6	DSI5	21100	2535	15.12	16.20	1.282	-	-	0.02	0.134	0.172
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 6	DSI5	21100	2535	15.06	16.20	1.300	-	-	-0.17	0.137	0.178
	LTE Band 7	20M	QPSK	1	0	-	Left Side	10mm	Ant 6	DSI5	21100	2535	15.12	16.20	1.282	-	-	0.04	0.191	0.245
	LTE Band 7	20M	QPSK	50	0	-	Left Side	10mm	Ant 6	DSI5	21100	2535	15.06	16.20	1.300	-	-	-0.03	0.202	0.263
	LTE Band 7C	20M	QPSK	50	50	-	Left Side	10mm	Ant 6	DSI5	21100+21298	2535+2554.8	14.86	16.20	1.361	-	-	0.01	0.186	0.253
	LTE Band 7	20M	QPSK	1	0	-	Top Side	10mm	Ant 6	DSI5	21100	2535	15.12	16.20	1.282	-	-	0.05	0.040	0.051
	LTE Band 7	20M	QPSK	50	0	-	Top Side	10mm	Ant 6	DSI5	21100	2535	15.06	16.20	1.300	-	-	0.06	0.039	0.051
	LTE Band 38	20M	QPSK	1	0	-	Front	10mm	Ant 4	DSI5	38000	2595	18.23	18.70	1.114	62.9	1.006	-0.19	0.115	0.129
	LTE Band 38	20M	QPSK	50	0	-	Front	10mm	Ant 4	DSI5	38000	2595	18.16	18.70	1.132	62.9	1.006	-0.06	0.111	0.126
	LTE Band 38	20M	QPSK	1	0	-	Back	10mm	Ant 4	DSI5	38000	2595	18.23	18.70	1.114	62.9	1.006	-0.05	0.133	0.149
	LTE Band 38	20M	QPSK	50	0	-	Back	10mm	Ant 4	DSI5	38000	2595	18.16	18.70	1.132	62.9	1.006	0.04	0.132	0.150
	LTE Band 38	20M	QPSK	1	0	-	Left Side	10mm	Ant 4	DSI5	38000	2595	18.23	18.70	1.114	62.9	1.006	0.05	0.050	0.056
	LTE Band 38	20M	QPSK	50	0	-	Left Side	10mm	Ant 4	DSI5	38000	2595	18.16	18.70	1.132	62.9	1.006	0.14	0.052	0.059
	LTE Band 38	20M	QPSK	1	0	-	Top Side	10mm	Ant 4	DSI5	38000	2595	18.23	18.70	1.114	62.9	1.006	0.05	0.022	0.025
51	LTE Band 38	20M	QPSK	50	0	-	Top Side	10mm	Ant 4	DSI5	38000	2595	18.16	18.70	1.132	62.9	1.006	0.06	0.235	<b>0.268</b>
	LTE Band 38C	20M	QPSK	50	50	-	Top Side	10mm	Ant 4	DSI5	37901+38099	2585.1+2604.9	17.99	18.70	1.178	62.9	1.006	0.01	0.211	0.250
	LTE Band 38	20M	QPSK	1	0	-	Front	10mm	Ant 6	DSI5	38000	2595	17.32	18.20	1.225	62.9	1.006	-0.07	0.076	0.094
	LTE Band 38	20M	QPSK	50	0	-	Front	10mm	Ant 6	DSI5	38000	2595	17.26	18.20	1.242	62.9	1.006	-0.1	0.078	0.097
	LTE Band 38	20M	QPSK	1	0	-	Back	10mm	Ant 6	DSI5	38000	2595	17.32	18.20	1.225	62.9	1.006	-0.15	0.118	0.145
	LTE Band 38	20M	QPSK	50	0	-	Back	10mm	Ant 6	DSI5	38000	2595	17.26	18.20	1.242	62.9	1.006	-0.06	0.124	0.155



**FCC SAR Test Report**

**Report No. : FA291702**

	LTE Band 38	20M	QPSK	1	0	-	Left Side	10mm	Ant 6	DSI5	38000	2595	17.32	18.20	1.225	62.9	1.006	0.09	0.179	0.221
	LTE Band 38	20M	QPSK	50	0	-	Left Side	10mm	Ant 6	DSI5	38000	2595	17.26	18.20	1.242	62.9	1.006	0.17	0.200	0.250
	LTE Band 38	20M	QPSK	50	50	-	Left Side	10mm	Ant 6	DSI5	37901+38099	2585.1+2604.9	17.09	18.20	1.291	62.9	1.006	0.07	0.182	0.236
	LTE Band 38	20M	QPSK	1	0	-	Top Side	10mm	Ant 6	DSI5	38000	2595	17.32	18.20	1.225	62.9	1.006	-0.08	0.001	0.001
	LTE Band 38	20M	QPSK	50	0	-	Top Side	10mm	Ant 6	DSI5	38000	2595	17.26	18.20	1.242	62.9	1.006	0.02	0.001	0.001
	LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 3	DSI5	40620	2593	21.57	22.10	1.130	62.9	1.006	-0.16	0.167	0.190
	LTE Band 41	20M	QPSK	50	0	-	Front	10mm	Ant 3	DSI5	40620	2593	21.56	22.10	1.132	62.9	1.006	-0.11	0.165	0.188
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 3	DSI5	40620	2593	21.57	22.10	1.130	62.9	1.006	-0.09	0.161	0.183
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 3	DSI5	40620	2593	21.56	22.10	1.132	62.9	1.006	0.04	0.165	0.188
	LTE Band 41	20M	QPSK	1	0	-	Left Side	10mm	Ant 3	DSI5	40620	2593	21.57	22.10	1.130	62.9	1.006	-0.17	0.050	0.057
	LTE Band 41	20M	QPSK	50	0	-	Left Side	10mm	Ant 3	DSI5	40620	2593	21.56	22.10	1.132	62.9	1.006	0.11	0.049	0.056
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 3	DSI5	40620	2593	21.57	22.10	1.130	62.9	1.006	-0.07	0.290	0.330
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 3	DSI5	40620	2593	21.56	22.10	1.132	62.9	1.006	0.07	0.297	0.338
	LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 0	DSI5	40620	2593	23.33	24.40	1.279	62.9	1.006	0.18	0.231	0.297
	LTE Band 41	20M	QPSK	50	0	-	Front	10mm	Ant 0	DSI5	40620	2593	23.23	24.40	1.309	62.9	1.006	0.07	0.250	0.329
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 0	DSI5	40620	2593	23.33	24.40	1.279	62.9	1.006	0.12	0.205	0.264
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI5	40620	2593	23.23	24.40	1.309	62.9	1.006	-0.18	0.214	0.282
	LTE Band 41	20M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSI5	40620	2593	23.33	24.40	1.279	62.9	1.006	0.03	0.408	0.525
52	LTE Band 41	20M	QPSK	50	0	-	Right Side	10mm	Ant 0	DSI5	40620	2593	23.23	24.40	1.309	62.9	1.006	-0.04	0.422	0.556
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSI5	40620	2593	23.33	24.40	1.279	62.9	1.006	-0.06	0.330	0.425
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 0	DSI5	40620	2593	23.23	24.40	1.309	62.9	1.006	-0.18	0.339	0.446
	LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 4	DSI5	40620	2593	17.80	18.20	1.096	62.9	1.006	-0.05	0.165	0.182
	LTE Band 41	20M	QPSK	50	0	-	Front	10mm	Ant 4	DSI5	40620	2593	17.77	18.20	1.104	62.9	1.006	0.05	0.171	0.190
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 4	DSI5	40620	2593	17.80	18.20	1.096	62.9	1.006	0.01	0.184	0.203
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 4	DSI5	40620	2593	17.77	18.20	1.104	62.9	1.006	0.06	0.194	0.215
	LTE Band 41	20M	QPSK	1	0	-	Left Side	10mm	Ant 4	DSI5	40620	2593	17.80	18.20	1.096	62.9	1.006	-0.03	0.081	0.089
	LTE Band 41	20M	QPSK	50	0	-	Left Side	10mm	Ant 4	DSI5	40620	2593	17.77	18.20	1.104	62.9	1.006	0.07	0.074	0.082
	LTE Band 41	20M	QPSK	1	0	-	Top Side	10mm	Ant 4	DSI5	40620	2593	17.80	18.20	1.096	62.9	1.006	0.01	0.317	0.350
	LTE Band 41	20M	QPSK	50	0	-	Top Side	10mm	Ant 4	DSI5	40620	2593	17.77	18.20	1.104	62.9	1.006	-0.16	0.323	0.359
	LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 6	DSI5	40620	2593	17.38	18.20	1.208	62.9	1.006	0.04	0.080	0.097
	LTE Band 41	20M	QPSK	50	0	-	Front	10mm	Ant 6	DSI5	40620	2593	17.33	18.20	1.222	62.9	1.006	0.09	0.082	0.101
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 6	DSI5	40620	2593	17.38	18.20	1.208	62.9	1.006	0.03	0.137	0.166
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 6	DSI5	40620	2593	17.33	18.20	1.222	62.9	1.006	0.05	0.138	0.170
	LTE Band 41	20M	QPSK	1	0	-	Left Side	10mm	Ant 6	DSI5	40620	2593	17.38	18.20	1.208	62.9	1.006	0.09	0.201	0.244
	LTE Band 41	20M	QPSK	50	0	-	Left Side	10mm	Ant 6	DSI5	40620	2593	17.33	18.20	1.222	62.9	1.006	0.04	0.197	0.242
	LTE Band 41	20M	QPSK	1	0	-	Top Side	10mm	Ant 6	DSI5	40620	2593	17.38	18.20	1.208	62.9	1.006	0.03	0.001	0.001
	LTE Band 41	20M	QPSK	50	0	-	Top Side	10mm	Ant 6	DSI5	40620	2593	17.33	18.20	1.222	62.9	1.006	-0.15	0.001	0.001
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 3	DSI5	507000	2535	18.82	19.20	1.091		1.000	0.02	0.159	0.174
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	10mm	Ant 3	DSI5	507000	2535	18.77	19.20	1.104		1.000	0.05	0.145	0.160
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 3	DSI5	507000	2535	18.82	19.20	1.091		1.000	-0.04	0.186	0.203
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	10mm	Ant 3	DSI5	507000	2535	18.77	19.20	1.104		1.000	-0.09	0.173	0.191
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 3	DSI5	507000	2535	18.82	19.20	1.091		1.000	0.1	0.056	0.061
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	10mm	Ant 3	DSI5	507000	2535	18.77	19.20	1.104		1.000	-0.09	0.052	0.057
53	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	10mm	Ant 3	DSI5	507000	2535	18.82	19.20	1.091		1.000	0.01	0.372	0.406
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	10mm	Ant 3	DSI5	507000	2535	18.77	19.20	1.104		1.000	0.08	0.352	0.389
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 0	DSI5	507000	2535	20.60	21.60	1.259		1.000	-0.14	0.190	0.239
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	10mm	Ant 0	DSI5	507000	2535	20.56	21.60	1.271		1.000	-0.05	0.178	0.226
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 0	DSI5	507000	2535	20.60	21.60	1.259		1.000	0.04	0.166	0.209
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	10mm	Ant 0	DSI5	507000	2535	20.56	21.60	1.271		1.000	0.05	0.159	0.202
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Right Side	10mm	Ant 0	DSI5	507000	2535	20.60	21.60	1.259		1.000	0.07	0.271	0.341
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Right Side	10mm	Ant 0	DSI5	507000	2535	20.56	21.60	1.271		1.000	-0.04	0.318	0.404
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	10mm	Ant 0	DSI5	507000	2535	20.60	21.60	1.259		1.000	0.01	0.215	0.271
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	10mm	Ant 0	DSI5	507000	2535	20.56	21.60	1.271		1.000	-0.05	0.204	0.259
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 4	DSI5	507000	2535	16.36	16.70	1.081		1.000	0.05	0.169	0.183
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	10mm	Ant 4	DSI5	507000	2535	16.28	16.70	1.102		1.000	0.07	0.166	0.183
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 4	DSI5	507000	2535	16.36	16.70	1.081		1.000	-0.16	0.191	0.207

Sporton International Inc. (Kunshan)

TEL : 86-512-57900158 / FAX : 86-512-57900958

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**FCC SAR Test Report**

**Report No. : FA291702**

	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	10mm	Ant 4	DSI5	507000	2535	16.28	16.70	1.102		1.000	-0.16	0.204	0.225
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 4	DSI5	507000	2535	16.36	16.70	1.081		1.000	0.05	0.084	0.091
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	10mm	Ant 4	DSI5	507000	2535	16.28	16.70	1.102		1.000	-0.09	0.083	0.091
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	10mm	Ant 4	DSI5	507000	2535	16.36	16.70	1.081		1.000	0.18	0.328	0.355
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	10mm	Ant 4	DSI5	507000	2535	16.28	16.70	1.102		1.000	-0.03	0.330	0.364
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 6	DSI5	507000	2535	14.46	15.20	1.186		1.000	-0.08	0.105	0.125
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	10mm	Ant 6	DSI5	507000	2535	14.37	15.20	1.211		1.000	0.03	0.089	0.108
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 6	DSI5	507000	2535	14.46	15.20	1.186		1.000	0.09	0.128	0.152
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	10mm	Ant 6	DSI5	507000	2535	14.37	15.20	1.211		1.000	-0.07	0.132	0.160
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 6	DSI5	507000	2535	14.46	15.20	1.186		1.000	-0.01	0.202	0.240
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	10mm	Ant 6	DSI5	507000	2535	14.37	15.20	1.211		1.000	0.04	0.192	0.232
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	10mm	Ant 6	DSI5	507000	2535	14.46	15.20	1.186		1.000	0.03	0.050	0.059
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	10mm	Ant 6	DSI5	507000	2535	14.37	15.20	1.211		1.000	0.06	0.001	0.001
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI5	519000	2595	14.56	15.20	1.159		1.000	0.08	0.079	0.092
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI5	519000	2595	14.35	15.20	1.216		1.000	-0.04	0.072	0.088
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI5	519000	2595	14.56	15.20	1.159		1.000	-0.06	0.116	0.134
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI5	519000	2595	14.35	15.20	1.216		1.000	0.06	0.119	0.145
54	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 6	DSI5	519000	2595	14.56	15.20	1.159		1.000	-0.04	0.185	<b>0.214</b>
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Left Side	10mm	Ant 6	DSI5	519000	2595	14.35	15.20	1.216		1.000	-0.02	0.174	0.212
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 6	DSI5	519000	2595	14.56	15.20	1.159		1.000	0.15	0.001	0.001
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Top Side	10mm	Ant 6	DSI5	519000	2595	14.35	15.20	1.216		1.000	0.15	0.001	0.001
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 3	DSI5	518598	2592.99	19.06	19.20	1.033		1.000	-0.09	0.182	0.188
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 3	DSI5	518598	2592.99	18.95	19.20	1.059		1.000	0.04	0.171	0.181
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 3	DSI5	518598	2592.99	19.06	19.20	1.033		1.000	0.02	0.223	0.230
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 3	DSI5	518598	2592.99	18.95	19.20	1.059		1.000	-0.06	0.201	0.213
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 3	DSI5	518598	2592.99	19.06	19.20	1.033		1.000	0.08	0.062	0.064
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 3	DSI5	518598	2592.99	18.95	19.20	1.059		1.000	-0.09	0.054	0.057
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 3	DSI5	518598	2592.99	19.06	19.20	1.033		1.000	0.09	0.444	0.459
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	10mm	Ant 3	DSI5	518598	2592.99	18.95	19.20	1.059		1.000	-0.03	0.410	0.434
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 0	DSI5	518598	2592.99	20.57	21.50	1.239		1.000	0.02	0.185	0.229
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 0	DSI5	518598	2592.99	20.53	21.50	1.250		1.000	-0.16	0.207	0.259
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 0	DSI5	518598	2592.99	20.57	21.50	1.239		1.000	-0.09	0.172	0.213
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 0	DSI5	518598	2592.99	20.53	21.50	1.250		1.000	0.17	0.196	0.245
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	10mm	Ant 0	DSI5	518598	2592.99	20.57	21.50	1.239		1.000	0.11	0.319	0.395
55	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	10mm	Ant 0	DSI5	518598	2592.99	20.53	21.50	1.250		1.000	-0.02	0.390	<b>0.488</b>
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 0	DSI5	518598	2592.99	20.57	21.50	1.239		1.000	0.03	0.206	0.255
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	10mm	Ant 0	DSI5	518598	2592.99	20.53	21.50	1.250		1.000	0.03	0.218	0.273
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 4	DSI5	518598	2592.99	16.08	16.70	1.153		1.000	-0.05	0.199	0.230
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 4	DSI5	518598	2592.99	15.95	16.70	1.189		1.000	0.09	0.176	0.209
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 4	DSI5	518598	2592.99	16.08	16.70	1.153		1.000	0.02	0.259	0.299
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 4	DSI5	518598	2592.99	15.95	16.70	1.189		1.000	0.05	0.226	0.269
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI5	518598	2592.99	16.08	16.70	1.153		1.000	-0.13	0.127	0.146
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI5	518598	2592.99	15.95	16.70	1.189		1.000	0.14	0.112	0.133
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 4	DSI5	518598	2592.99	16.08	16.70	1.153		1.000	0.11	0.339	0.391
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 4	DSI5	518598	2592.99	15.95	16.70	1.189		1.000	0.09	0.355	0.422
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI5	518598	2592.99	14.58	15.20	1.153		1.000	0.04	0.087	0.100
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI5	518598	2592.99	14.43	15.20	1.194		1.000	-0.02	0.064	0.076
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI5	518598	2592.99	14.58	15.20	1.153		1.000	0.02	0.130	0.150
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI5	518598	2592.99	14.43	15.20	1.194		1.000	0.02	0.106	0.127
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 6	DSI5	518598	2592.99	14.58	15.20	1.153		1.000	-0.08	0.184	0.212
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 6	DSI5	518598	2592.99	14.43	15.20	1.194		1.000	-0.16	0.173	0.207
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 6	DSI5	518598	2592.99	14.58	15.20	1.153		1.000	0.11	0.001	0.001
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 6	DSI5	518598	2592.99	14.43	15.20	1.194		1.000	0.14	0.000	0.000
<b>3500MHz</b>																				
	LTE Band 42	20M	QPSK	1	0	-	Front	10mm	Ant 1	DSI5	42590	3500	20.17	21.50	1.358	62.9	1.006	0.09	0.066	0.090
	LTE Band 42	20M	QPSK	50	0	-	Front	10mm	Ant 1	DSI5	42590	3500	20.15	21.50	1.365	62.9	1.006	0.17	0.078	0.107

**Sporton International Inc. (Kunshan)**

TEL : 86-512-57900158 / FAX : 86-512-57900958

FCC ID : 2AFZZ133G

Issued Date : Nov. 11, 2022

Form version. : 200414



	LTE Band 42	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI5	42590	3500	20.17	21.50	1.358	62.9	1.006	-0.03	0.144	0.197
	LTE Band 42	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI5	42590	3500	20.15	21.50	1.365	62.9	1.006	0.05	0.140	0.192
	LTE Band 42	20M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSI5	42590	3500	20.17	21.50	1.358	62.9	1.006	-0.1	0.152	0.208
	LTE Band 42	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	DSI5	42590	3500	20.15	21.50	1.365	62.9	1.006	0.06	0.158	0.217
	LTE Band 42C	20M	QPSK	50	50	-	Left Side	10mm	Ant 1	DSI5	42590+ 42788	3500+ 3519.8	19.82	21.50	1.472	62.9	1.006	0.02	0.136	0.201
	LTE Band 42	20M	QPSK	1	0	-	Front	10mm	Ant 3	DSI5	42590	3500	22.63	23.80	1.309	62.9	1.006	0.05	0.289	0.381
	LTE Band 42	20M	QPSK	50	0	-	Front	10mm	Ant 3	DSI5	42590	3500	22.53	23.80	1.340	62.9	1.006	0.15	0.308	0.415
	LTE Band 42	20M	QPSK	1	0	-	Back	10mm	Ant 3	DSI5	42590	3500	22.63	23.80	1.309	62.9	1.006	0.18	0.468	0.616
	LTE Band 42	20M	QPSK	50	0	-	Back	10mm	Ant 3	DSI5	42590	3500	22.53	23.80	1.340	62.9	1.006	0.07	0.454	0.612
	LTE Band 42	20M	QPSK	1	0	-	Left Side	10mm	Ant 3	DSI5	42590	3500	22.63	23.80	1.309	62.9	1.006	0.14	0.075	0.099
	LTE Band 42	20M	QPSK	50	0	-	Left Side	10mm	Ant 3	DSI5	42590	3500	22.53	23.80	1.340	62.9	1.006	0.13	0.073	0.098
	LTE Band 42	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 3	DSI5	42590	3500	22.63	23.80	1.309	62.9	1.006	0.04	0.512	0.674
	LTE Band 42	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 3	DSI5	42590	3500	22.53	23.80	1.340	62.9	1.006	-0.02	0.530	0.714
	LTE Band 42C	20M	QPSK	50	50	-	Bottom Side	10mm	Ant 3	DSI5	42590+ 42788	3500+ 3519.8	22.43	23.80	1.371	62.9	1.006	0.03	0.486	0.670
	LTE Band 42	20M	QPSK	1	0	-	Front	10mm	Ant 10	DSI5	42590	3500	18.72	19.20	1.117	62.9	1.006	0.04	0.130	0.146
	LTE Band 42	20M	QPSK	50	0	-	Front	10mm	Ant 10	DSI5	42590	3500	18.69	19.20	1.125	62.9	1.006	0.13	0.133	0.150
	LTE Band 42	20M	QPSK	1	0	-	Back	10mm	Ant 10	DSI5	42590	3500	18.72	19.20	1.117	62.9	1.006	0.03	0.298	0.335
	LTE Band 42	20M	QPSK	50	0	-	Back	10mm	Ant 10	DSI5	42590	3500	18.69	19.20	1.125	62.9	1.006	0.09	0.281	0.318
	LTE Band 42C	20M	QPSK	1	99	-	Back	10mm	Ant 10	DSI5	42590+ 42788	3500+ 3519.8	18.62	19.20	1.143	62.9	1.006	0.02	0.277	0.318
	LTE Band 42	20M	QPSK	1	0	-	Left Side	10mm	Ant 10	DSI5	42590	3500	18.72	19.20	1.117	62.9	1.006	-0.16	0.051	0.057
	LTE Band 42	20M	QPSK	50	0	-	Left Side	10mm	Ant 10	DSI5	42590	3500	18.69	19.20	1.125	62.9	1.006	-0.16	0.055	0.062
	LTE Band 42	20M	QPSK	1	0	-	Top Side	10mm	Ant 10	DSI5	42590	3500	18.72	19.20	1.117	62.9	1.006	-0.13	0.248	0.279
	LTE Band 42	20M	QPSK	50	0	-	Top Side	10mm	Ant 10	DSI5	42590	3500	18.69	19.20	1.125	62.9	1.006	-0.04	0.252	0.285
	LTE Band 42	20M	QPSK	1	0	-	Front	10mm	Ant 12	DSI5	42590	3500	19.16	19.70	1.132	62.9	1.006	0.02	0.048	0.055
	LTE Band 42	20M	QPSK	50	0	-	Front	10mm	Ant 12	DSI5	42590	3500	19.03	19.70	1.167	62.9	1.006	0.09	0.084	0.099
	LTE Band 42	20M	QPSK	1	0	-	Back	10mm	Ant 12	DSI5	42590	3500	19.16	19.70	1.132	62.9	1.006	0.04	0.648	0.738
	LTE Band 42	20M	QPSK	1	0	-	Back	10mm	Ant 12	DSI5	42190	3460	19.04	19.70	1.164	62.9	1.006	0.07	0.572	0.670
	LTE Band 42	20M	QPSK	1	0	-	Back	10mm	Ant 12	DSI5	42990	3540	19.13	19.70	1.140	62.9	1.006	0.06	0.569	0.653
56	LTE Band 42	20M	QPSK	50	0	-	Back	10mm	Ant 12	DSI5	42590	3500	19.03	19.70	1.167	62.9	1.006	0.09	0.699	0.820
	LTE Band 42C	20M	QPSK	50	50	-	Back	10mm	Ant 12	DSI5	42590+ 42788	3500+ 3519.8	18.86	19.70	1.213	62.9	1.006	-0.11	0.652	0.796
	LTE Band 42	20M	QPSK	50	0	-	Back	10mm	Ant 12	DSI5	42190	3460	18.92	19.70	1.197	62.9	1.006	0.01	0.631	0.760
	LTE Band 42	20M	QPSK	50	0	-	Back	10mm	Ant 12	DSI5	42990	3540	18.95	19.70	1.189	62.9	1.006	0.02	0.650	0.777
	LTE Band 42	20M	QPSK	100	0	-	Back	10mm	Ant 12	DSI5	42590	3500	19.02	19.70	1.169	62.9	1.006	0.1	0.610	0.718
	LTE Band 42	20M	QPSK	1	0	-	Left Side	10mm	Ant 12	DSI5	42590	3500	19.16	19.70	1.132	62.9	1.006	0.01	0.098	0.112
	LTE Band 42	20M	QPSK	50	0	-	Left Side	10mm	Ant 12	DSI5	42590	3500	19.03	19.70	1.167	62.9	1.006	0.03	0.100	0.117
	LTE Band 42	20M	QPSK	1	0	-	Right Side	10mm	Ant 12	DSI5	42590	3500	19.16	19.70	1.132	62.9	1.006	0.08	0.058	0.066
	LTE Band 42	20M	QPSK	50	0	-	Right Side	10mm	Ant 12	DSI5	42590	3500	19.03	19.70	1.167	62.9	1.006	0.03	0.044	0.052
	LTE Band 42	20M	QPSK	1	0	-	Top Side	10mm	Ant 12	DSI5	42590	3500	19.16	19.70	1.132	62.9	1.006	0.01	0.035	0.040
	LTE Band 42	20M	QPSK	50	0	-	Top Side	10mm	Ant 12	DSI5	42590	3500	19.03	19.70	1.167	62.9	1.006	0.08	0.049	0.058
	LTE Band 48	20M	QPSK	1	0	-	Front	10mm	Ant 1	DSI5	55830	3609	18.79	20.00	1.321	62.9	1.006	0.08	0.058	0.077
	LTE Band 48	20M	QPSK	50	0	-	Front	10mm	Ant 1	DSI5	55830	3609	18.76	20.00	1.330	62.9	1.006	0.07	0.063	0.084
	LTE Band 48	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI5	55830	3609	18.79	20.00	1.321	62.9	1.006	0.06	0.131	0.174
	LTE Band 48	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI5	55830	3609	18.76	20.00	1.330	62.9	1.006	0.08	0.131	0.175
	LTE Band 48	20M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSI5	55830	3609	18.79	20.00	1.321	62.9	1.006	0.07	0.124	0.165
	LTE Band 48	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	DSI5	55830	3609	18.76	20.00	1.330	62.9	1.006	0.01	0.136	0.182
	LTE Band 48	20M	QPSK	1	0	-	Front	10mm	Ant 3	DSI5	55830	3609	21.45	22.70	1.334	62.9	1.006	0.03	0.186	0.250
	LTE Band 48	20M	QPSK	50	0	-	Front	10mm	Ant 3	DSI5	55830	3609	21.42	22.70	1.343	62.9	1.006	-0.06	0.173	0.234
	LTE Band 48	20M	QPSK	1	0	-	Back	10mm	Ant 3	DSI5	55830	3609	21.45	22.70	1.334	62.9	1.006	-0.16	0.287	0.385
	LTE Band 48	20M	QPSK	50	0	-	Back	10mm	Ant 3	DSI5	55830	3609	21.42	22.70	1.343	62.9	1.006	0.14	0.277	0.374
	LTE Band 48	20M	QPSK	1	0	-	Left Side	10mm	Ant 3	DSI5	55830	3609	21.45	22.70	1.334	62.9	1.006	0.04	0.052	0.070
	LTE Band 48	20M	QPSK	50	0	-	Left Side	10mm	Ant 3	DSI5	55830	3609	21.42	22.70	1.343	62.9	1.006	0.04	0.052	0.070
	LTE Band 48	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 3	DSI5	55830	3609	21.45	22.70	1.334	62.9	1.006	0.07	0.339	0.455
	LTE Band 48	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 3	DSI5	55830	3609	21.42	22.70	1.343	62.9	1.006	0.07	0.361	0.488
	LTE Band 48	20M	QPSK	1	0	-	Front	10mm	Ant 10	DSI5	55830	3609	18.50	19.10	1.148	62.9	1.006	0.08	0.138	0.159





**FCC SAR Test Report**

**Report No. : FA291702**

	LTE Band 48	20M	QPSK	50	0	-	Front	10mm	Ant 10	DSI5	55830	3609	18.49	19.10	1.151	62.9	1.006	0.09	0.148	0.171
	LTE Band 48	20M	QPSK	1	0	-	Back	10mm	Ant 10	DSI5	55830	3609	18.50	19.10	1.148	62.9	1.006	-0.08	0.309	0.357
	LTE Band 48	20M	QPSK	50	0	-	Back	10mm	Ant 10	DSI5	55830	3609	18.49	19.10	1.151	62.9	1.006	0.03	0.288	0.333
	LTE Band 48	20M	QPSK	1	0	-	Left Side	10mm	Ant 10	DSI5	55830	3609	18.50	19.10	1.148	62.9	1.006	0.09	0.055	0.064
	LTE Band 48	20M	QPSK	50	0	-	Left Side	10mm	Ant 10	DSI5	55830	3609	18.49	19.10	1.151	62.9	1.006	0.13	0.077	0.089
	LTE Band 48	20M	QPSK	1	0	-	Top Side	10mm	Ant 10	DSI5	55830	3609	18.50	19.10	1.148	62.9	1.006	-0.14	0.264	0.305
	LTE Band 48	20M	QPSK	50	0	-	Top Side	10mm	Ant 10	DSI5	55830	3609	18.49	19.10	1.151	62.9	1.006	0.04	0.270	0.313
	LTE Band 48	20M	QPSK	1	0	-	Front	10mm	Ant 12	DSI5	55830	3609	18.20	18.70	1.122	62.9	1.006	0.06	0.037	0.042
	LTE Band 48	20M	QPSK	50	0	-	Front	10mm	Ant 12	DSI5	55830	3609	18.15	18.70	1.135	62.9	1.006	0.02	0.055	0.063
	LTE Band 48	20M	QPSK	1	0	-	Back	10mm	Ant 12	DSI5	55830	3609	18.20	18.70	1.122	62.9	1.006	0.08	0.549	0.620
	LTE Band 48	20M	QPSK	1	0	-	Back	10mm	Ant 12	DSI5	55340	3560	18.02	18.70	1.169	62.9	1.006	0.03	0.510	0.600
	LTE Band 48	20M	QPSK	1	0	-	Back	10mm	Ant 12	DSI5	56150	3641	18.04	18.70	1.164	62.9	1.006	0.02	0.478	0.560
	LTE Band 48	20M	QPSK	1	0	-	Back	10mm	Ant 12	DSI5	56640	3690	18.06	18.70	1.159	62.9	1.006	0.05	0.500	0.583
57	LTE Band 48	20M	QPSK	50	0	-	Back	10mm	Ant 12	DSI5	55830	3609	18.15	18.70	1.135	62.9	1.006	0.01	0.628	<b>0.717</b>
	LTE Band 48	20M	QPSK	50	0	-	Back	10mm	Ant 12	DSI5	55340	3560	17.95	18.70	1.189	62.9	1.006	0.03	0.592	0.708
	LTE Band 48	20M	QPSK	50	0	-	Back	10mm	Ant 12	DSI5	56150	3641	17.89	18.70	1.205	62.9	1.006	0.05	0.587	0.712
	LTE Band 48	20M	QPSK	50	0	-	Back	10mm	Ant 12	DSI5	56640	3690	18.03	18.70	1.167	62.9	1.006	0.08	0.562	0.660
	LTE Band 48	20M	QPSK	100	0	-	Back	10mm	Ant 12	DSI5	55830	3609	18.11	18.70	1.146	62.9	1.006	0.06	0.551	0.635
	LTE Band 48	20M	QPSK	1	0	-	Left Side	10mm	Ant 12	DSI5	55830	3609	18.20	18.70	1.122	62.9	1.006	0.07	0.059	0.067
	LTE Band 48	20M	QPSK	50	0	-	Left Side	10mm	Ant 12	DSI5	55830	3609	18.15	18.70	1.135	62.9	1.006	0.02	0.060	0.069
	LTE Band 48	20M	QPSK	1	0	-	Top Side	10mm	Ant 12	DSI5	55830	3609	18.20	18.70	1.122	62.9	1.006	0.07	0.022	0.025
	LTE Band 48	20M	QPSK	50	0	-	Top Side	10mm	Ant 12	DSI5	55830	3609	18.15	18.70	1.135	62.9	1.006	0.08	0.034	0.039
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 1	DSI5	656000	3840	13.97	15.50	1.422	-	-	0.08	0.180	0.256
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 1	DSI5	656000	3840	13.94	15.50	1.432	-	-	0.03	0.164	0.235
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 1	DSI5	656000	3840	13.97	15.50	1.422	-	-	-0.1	0.122	0.174
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 1	DSI5	656000	3840	13.94	15.50	1.432	-	-	0.06	0.132	0.189
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 1	DSI5	656000	3840	13.97	15.50	1.422	-	-	0.03	0.337	0.479
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 1	DSI5	656000	3840	13.94	15.50	1.432	-	-	0.12	0.289	0.414
	FR1 n77 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 1	DSI5	656000	3840	16.99	18.50	1.416	50	1.000	0.02	0.323	0.457
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 1	DSI5	633334	3500.01	13.76	15.50	1.493	-	-	0.02	0.053	0.079
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 1	DSI5	633334	3500.01	13.72	15.50	1.507	-	-	-0.12	0.061	0.092
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 1	DSI5	633334	3500.01	13.76	15.50	1.493	-	-	-0.12	0.085	0.127
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 1	DSI5	633334	3500.01	13.72	15.50	1.507	-	-	0.02	0.113	0.170
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 1	DSI5	633334	3500.01	13.76	15.50	1.493	-	-	0.13	0.082	0.122
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 1	DSI5	633334	3500.01	13.72	15.50	1.507	-	-	0.05	0.080	0.121
	FR1 n77 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 1	DSI5	633334	3500.01	16.53	18.50	1.574	50	1.000	0.01	0.091	0.143
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 3	DSI5	656000	3840	18.58	20.00	1.387	-	-	-0.16	0.180	0.250
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 3	DSI5	656000	3840	18.54	20.00	1.400	-	-	0.07	0.146	0.204
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 3	DSI5	656000	3840	18.58	20.00	1.387	-	-	0.05	0.275	0.381
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 3	DSI5	656000	3840	18.54	20.00	1.400	-	-	0.07	0.248	0.347
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 3	DSI5	656000	3840	18.58	20.00	1.387	-	-	0.05	0.349	0.484
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	10mm	Ant 3	DSI5	656000	3840	18.54	20.00	1.400	-	-	-0.12	0.215	0.301
	FR1 n77 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 3	DSI5	656000	3840	21.54	23.00	1.400	50	1.000	-0.08	0.315	0.441
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 3	DSI5	633334	3500.01	18.43	20.00	1.435	-	-	0.08	0.178	0.256
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 3	DSI5	633334	3500.01	18.36	20.00	1.459	-	-	-0.1	0.189	0.276
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 3	DSI5	633334	3500.01	18.43	20.00	1.435	-	-	-0.16	0.296	0.425
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 3	DSI5	633334	3500.01	18.36	20.00	1.459	-	-	0.07	0.287	0.419
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 3	DSI5	633334	3500.01	18.43	20.00	1.435	-	-	0.04	0.342	0.491
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	10mm	Ant 3	DSI5	633334	3500.01	18.36	20.00	1.459	-	-	-0.18	0.411	0.600
	FR1 n77 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	10mm	Ant 3	DSI5	633334	3500.01	21.29	23.00	1.483	50	1.000	-0.09	0.399	0.592
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 10	DSI5	656000	3840	15.75	16.20	1.109	-	-	0.01	0.158	0.175
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 10	DSI5	656000	3840	15.68	16.20	1.127	-	-	0.1	0.187	0.211
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI5	656000	3840	15.75	16.20	1.109	-	-	0.17	0.164	0.182
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI5	656000	3840	15.68	16.20	1.127	-	-	0.03	0.170	0.192





**FCC SAR Test Report**

**Report No. : FA291702**

	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 10	DSI5	656000	3840	15.75	16.20	1.109	-	-	-0.13	0.040	0.044
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 10	DSI5	656000	3840	15.68	16.20	1.127	-	-	0.06	0.068	0.077
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 10	DSI5	656000	3840	15.75	16.20	1.109	-	-	0.02	0.273	0.303
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 10	DSI5	656000	3840	15.68	16.20	1.127	-	-	-0.06	0.375	0.423
	FR1 n77 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 10	DSI5	656000	3840	18.55	19.20	1.161	50	1.000	0.02	0.335	0.389
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 10	DSI5	633334	3500.01	15.69	16.20	1.125	-	-	0.1	0.085	0.096
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 10	DSI5	633334	3500.01	15.60	16.20	1.148	-	-	0.06	0.077	0.088
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI5	633334	3500.01	15.69	16.20	1.125	-	-	0.08	0.214	0.241
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI5	633334	3500.01	15.60	16.20	1.148	-	-	-0.04	0.273	0.313
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 10	DSI5	633334	3500.01	15.69	16.20	1.125	-	-	0.05	0.047	0.053
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 10	DSI5	633334	3500.01	15.60	16.20	1.148	-	-	-0.09	0.051	0.059
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 10	DSI5	633334	3500.01	15.69	16.20	1.125	-	-	0.06	0.133	0.150
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 10	DSI5	633334	3500.01	15.60	16.20	1.148	-	-	0.17	0.138	0.158
	FR1 n77 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI5	633334	3500.01	18.49	19.20	1.178	50	1.000	0.02	0.232	0.273
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 12	DSI5	656000	3840	16.03	17.20	1.309	-	-	0.11	0.037	0.048
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 12	DSI5	656000	3840	15.99	17.20	1.321	-	-	0.05	0.031	0.041
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 12	DSI5	656000	3840	16.03	17.20	1.309	-	-	0.03	0.251	0.329
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 12	DSI5	656000	3840	15.99	17.20	1.321	-	-	0.07	0.212	0.280
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 12	DSI5	656000	3840	16.03	17.20	1.309	-	-	0.08	0.032	0.042
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 12	DSI5	656000	3840	15.99	17.20	1.321	-	-	-0.07	0.029	0.038
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 12	DSI5	656000	3840	16.03	17.20	1.309	-	-	0.06	0.045	0.059
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 12	DSI5	656000	3840	15.99	17.20	1.321	-	-	0.03	0.067	0.089
	FR1 n77 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 12	DSI5	656000	3840	19.01	20.20	1.315	50	1.000	0.06	0.221	0.291
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 12	DSI5	633334	3500.01	15.89	17.20	1.352	-	-	0.03	0.032	0.043
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 12	DSI5	633334	3500.01	15.73	17.20	1.403	-	-	0.09	0.026	0.036
58	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 12	DSI5	633334	3500.01	15.89	17.20	1.352	-	-	-0.08	0.719	0.972
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 12	DSI5	633334	3500.01	15.73	17.20	1.403	-	-	0.12	0.611	0.857
	FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Back	10mm	Ant 12	DSI5	633334	3500.01	15.70	17.20	1.413	-	-	0.03	0.611	0.863
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 12	DSI5	633334	3500.01	15.89	17.20	1.352	-	-	-0.15	0.108	0.146
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 12	DSI5	633334	3500.01	15.73	17.20	1.403	-	-	0.02	0.100	0.140
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 12	DSI5	633334	3500.01	15.89	17.20	1.352	-	-	0.13	0.038	0.051
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 12	DSI5	633334	3500.01	15.73	17.20	1.403	-	-	-0.05	0.032	0.045
	FR1 n77 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 12	DSI5	633334	3500.01	18.89	20.20	1.352	50	1.000	0.09	0.652	0.882
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 1	DSI5	650000	3750	14.63	16.00	1.371	-	-	-0.13	0.078	0.107
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 1	DSI5	650000	3750	14.58	16.00	1.387	-	-	0.11	0.088	0.122
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 1	DSI5	650000	3750	14.63	16.00	1.371	-	-	0.18	0.052	0.071
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 1	DSI5	650000	3750	14.58	16.00	1.387	-	-	0.12	0.065	0.090
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 1	DSI5	650000	3750	14.63	16.00	1.371	-	-	0.18	0.143	0.196
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 1	DSI5	650000	3750	14.58	16.00	1.387	-	-	-0.02	0.155	0.215
	FR1 n78 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 1	DSI5	650000	3750	17.46	19.00	1.426	50	1.000	0.02	0.150	0.214
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 1	DSI5	633334	3500.01	14.59	16.00	1.384	-	-	-0.06	0.046	0.064
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 1	DSI5	633334	3500.01	14.55	16.00	1.396	-	-	0.04	0.038	0.053
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 1	DSI5	633334	3500.01	14.59	16.00	1.384	-	-	-0.17	0.083	0.115
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 1	DSI5	633334	3500.01	14.55	16.00	1.396	-	-	0.03	0.111	0.155
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 1	DSI5	633334	3500.01	14.59	16.00	1.384	-	-	-0.07	0.091	0.126
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 1	DSI5	633334	3500.01	14.55	16.00	1.396	-	-	-0.09	0.089	0.124
	FR1 n78 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 1	DSI5	633334	3500.01	17.33	19.00	1.469	50	1.000	0.03	0.105	0.154
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 3	DSI5	650000	3750	17.95	19.50	1.429	-	-	0.02	0.161	0.230
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 3	DSI5	650000	3750	17.88	19.50	1.452	-	-	0.08	0.140	0.203
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 3	DSI5	650000	3750	17.95	19.50	1.429	-	-	0.06	0.266	0.380
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 3	DSI5	650000	3750	17.88	19.50	1.452	-	-	0.05	0.230	0.334
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 3	DSI5	650000	3750	17.95	19.50	1.429	-	-	-0.08	0.301	0.430
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	10mm	Ant 3	DSI5	650000	3750	17.88	19.50	1.452	-	-	0.05	0.277	0.402
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 3	DSI5	650000	3750	20.89	22.50	1.449	50	1.000	0.08	0.303	0.439

Sporton International Inc. (Kunshan)

TEL : 86-512-57900158 / FAX : 86-512-57900958

FCC ID : 2AFZZ133G

Issued Date : Nov. 11, 2022

Form version. : 200414



	HPUE																			
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 3	DSI5	633334	3500.01	17.88	19.50	1.452	-	-	-0.15	0.180	0.261
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 3	DSI5	633334	3500.01	17.83	19.50	1.469	-	-	-0.13	0.174	0.256
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 3	DSI5	633334	3500.01	17.88	19.50	1.452	-	-	0.09	0.274	0.398
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 3	DSI5	633334	3500.01	17.83	19.50	1.469	-	-	0.04	0.287	0.422
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 3	DSI5	633334	3500.01	17.88	19.50	1.452	-	-	-0.02	0.386	0.561
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	10mm	Ant 3	DSI5	633334	3500.01	17.83	19.50	1.469	-	-	0.03	0.337	0.495
	FR1 n78 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 3	DSI5	633334	3500.01	20.82	22.50	1.472	50	1.000	-0.02	0.380	0.559
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 10	DSI5	650000	3750	17.22	17.70	1.117	-	-	-0.08	0.156	0.174
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 10	DSI5	650000	3750	17.11	17.70	1.146	-	-	-0.19	0.182	0.208
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI5	650000	3750	17.22	17.70	1.117	-	-	0.14	0.201	0.224
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI5	650000	3750	17.11	17.70	1.146	-	-	0.13	0.209	0.239
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 10	DSI5	650000	3750	17.22	17.70	1.117	-	-	-0.14	0.058	0.065
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 10	DSI5	650000	3750	17.11	17.70	1.146	-	-	-0.18	0.051	0.058
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 10	DSI5	650000	3750	17.22	17.70	1.117	-	-	0.14	0.276	0.308
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 10	DSI5	650000	3750	17.11	17.70	1.146	-	-	0.04	0.331	0.379
	FR1 n78 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 10	DSI5	650000	3750	20.19	20.70	1.125	50	1.000	0.01	0.274	0.308
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 10	DSI5	633334	3500.01	17.15	17.70	1.135	-	-	0.08	0.136	0.154
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 10	DSI5	633334	3500.01	17.10	17.70	1.148	-	-	-0.13	0.138	0.158
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI5	633334	3500.01	17.15	17.70	1.135	-	-	-0.04	0.367	0.417
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI5	633334	3500.01	17.10	17.70	1.148	-	-	0.08	0.411	0.472
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 10	DSI5	633334	3500.01	17.15	17.70	1.135	-	-	0.07	0.077	0.087
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 10	DSI5	633334	3500.01	17.10	17.70	1.148	-	-	0.02	0.081	0.093
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 10	DSI5	633334	3500.01	17.15	17.70	1.135	-	-	0.07	0.214	0.243
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 10	DSI5	633334	3500.01	17.10	17.70	1.148	-	-	-0.16	0.229	0.263
	FR1 n78 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI5	633334	3500.01	20.13	20.70	1.140	50	1.000	0.03	0.383	0.437
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 12	DSI5	650000	3750	17.28	18.20	1.236	-	-	-0.1	0.055	0.068
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 12	DSI5	650000	3750	17.22	18.20	1.253	-	-	0.08	0.043	0.054
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 12	DSI5	650000	3750	17.28	18.20	1.236	-	-	0.03	0.512	0.633
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 12	DSI5	650000	3750	17.22	18.20	1.253	-	-	0.09	0.499	0.625
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 12	DSI5	650000	3750	17.28	18.20	1.236	-	-	-0.15	0.079	0.098
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 12	DSI5	650000	3750	17.22	18.20	1.253	-	-	0.09	0.068	0.085
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 12	DSI5	650000	3750	17.28	18.20	1.236	-	-	0.07	0.057	0.070
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 12	DSI5	650000	3750	17.22	18.20	1.253	-	-	0.03	0.059	0.074
	FR1 n78 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 12	DSI5	650000	3750	20.18	21.20	1.265	50	1.000	0.01	0.447	0.565
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 12	DSI5	633334	3500.01	17.26	18.20	1.242	-	-	-0.13	0.045	0.056
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 12	DSI5	633334	3500.01	17.20	18.20	1.259	-	-	0.05	0.058	0.073
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 12	DSI5	633334	3500.01	17.26	18.20	1.242	-	-	0.13	0.637	0.791
59	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 12	DSI5	633334	3500.01	17.20	18.20	1.259	-	-	0.09	0.638	0.803
	FR1 n78	100M	QPSK	270	0	DFT-SCS-30KHz	Back	10mm	Ant 12	DSI5	633334	3500.01	17.19	18.20	1.262	-	-	0.03	0.597	0.753
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 12	DSI5	633334	3500.01	17.26	18.20	1.242	-	-	-0.03	0.093	0.115
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 12	DSI5	633334	3500.01	17.20	18.20	1.259	-	-	0.03	0.087	0.110
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 12	DSI5	633334	3500.01	17.26	18.20	1.242	-	-	0.04	0.042	0.052
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 12	DSI5	633334	3500.01	17.20	18.20	1.259	-	-	-0.16	0.052	0.065
	FR1 n78 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 12	DSI5	633334	3500.01	20.15	21.20	1.274	50	1.000	0.02	0.618	0.787



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)
<b>2450MHz</b>																
60	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 15+18	Full Power	6	2437	21.30	21.50	1.047	97.46	1.026	0.03	0.353	0.379
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 15+18	Full Power	6	2437	21.30	21.50	1.047	97.46	1.026	-0.04	0.534	0.574
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 15+18	Full Power	6	2437	21.30	21.50	1.047	97.46	1.026	-0.06	0.369	0.396
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 15+18	Full Power	6	2437	21.30	21.50	1.047	97.46	1.026	-0.04	0.273	0.293
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 15+18	No DBS Simultaneous	6	2437	20.72	21.00	1.067	97.46	1.026	0.03	0.287	0.314
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 15+18	No DBS Simultaneous	6	2437	20.72	21.00	1.067	97.46	1.026	-0.07	0.434	0.475
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 15+18	No DBS Simultaneous	6	2437	20.72	21.00	1.067	97.46	1.026	0.01	0.300	0.328
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 15+18	No DBS Simultaneous	6	2437	20.72	21.00	1.067	97.46	1.026	-0.03	0.222	0.243
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 15+18	DBS Simultaneous	6	2437	18.00	18.50	1.122	97.46	1.026	0.03	0.146	0.168
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 15+18	DBS Simultaneous	6	2437	18.00	18.50	1.122	97.46	1.026	-0.09	0.221	0.254
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 15+18	DBS Simultaneous	6	2437	18.00	18.50	1.122	97.46	1.026	0.05	0.152	0.175
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 15+18	DBS Simultaneous	6	2437	18.00	18.50	1.122	97.46	1.026	0.01	0.112	0.129
61	Bluetooth	1Mbps	Front	10mm	Ant 18	Full Power	39	2441	16.73	18.00	1.341	76.79	1.085	0.13	0.076	0.111
	Bluetooth	1Mbps	Back	10mm	Ant 18	Full Power	39	2441	16.73	18.00	1.341	76.79	1.085	-0.02	0.135	0.196
	Bluetooth	1Mbps	Right Side	10mm	Ant 18	Full Power	39	2441	16.73	18.00	1.341	76.79	1.085	0.07	0.065	0.095
	Bluetooth	1Mbps	Top Side	10mm	Ant 18	Full Power	39	2441	16.73	18.00	1.341	76.79	1.085	0.1	0.044	0.064
	Bluetooth	1Mbps	Front	10mm	Ant 15	Full Power	39	2441	16.42	17.50	1.284	76.64	1.087	0.07	0.042	0.059
	Bluetooth	1Mbps	Back	10mm	Ant 15	Full Power	39	2441	16.42	17.50	1.284	76.64	1.087	-0.03	0.055	0.077
	Bluetooth	1Mbps	Right Side	10mm	Ant 15	Full Power	39	2441	16.42	17.50	1.284	76.64	1.087	0.14	0.041	0.057
	Bluetooth	1Mbps	Top Side	10mm	Ant 15	Full Power	39	2441	16.42	17.50	1.284	76.64	1.087	0.16	0.031	0.043
<b>5000MHz</b>																
62	WLAN5.2GHz	802.11a 6Mbps	Front	10mm	Ant 17+18	Full Power	48	5240	20.88	21.50	1.153	98.63	1.014	0.01	0.247	0.289
	WLAN5.2GHz	802.11a 6Mbps	Back	10mm	Ant 17+18	Full Power	48	5240	20.88	21.50	1.153	98.63	1.014	-0.03	0.347	0.406
	WLAN5.2GHz	802.11a 6Mbps	Right Side	10mm	Ant 17+18	Full Power	48	5240	20.88	21.50	1.153	98.63	1.014	0.06	0.389	0.455
	WLAN5.2GHz	802.11a 6Mbps	Top Side	10mm	Ant 17+18	Full Power	48	5240	20.88	21.50	1.153	98.63	1.014	-0.09	0.204	0.239
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 17+18	DBS Simultaneous	42	5210	16.94	18.00	1.276	100	1.000	0.01	0.110	0.140
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 17+18	DBS Simultaneous	42	5210	16.94	18.00	1.276	100	1.000	0.03	0.155	0.198
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 17+18	DBS Simultaneous	42	5210	16.94	18.00	1.276	100	1.000	-0.18	0.174	0.222
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 17+18	DBS Simultaneous	42	5210	16.94	18.00	1.276	100	1.000	0.03	0.091	0.116
	WLAN5.8GHz	802.11a 6Mbps	Front	10mm	Ant 17+18	Full Power	149	5745	19.59	20.50	1.233	98.63	1.014	-0.09	0.163	0.204
	WLAN5.8GHz	802.11a 6Mbps	Back	10mm	Ant 17+18	Full Power	149	5745	19.59	20.50	1.233	98.63	1.014	0.06	0.209	0.261
	WLAN5.8GHz	802.11a 6Mbps	Right Side	10mm	Ant 17+18	Full Power	149	5745	19.59	20.50	1.233	98.63	1.014	0.12	0.348	0.435
	WLAN5.8GHz	802.11a 6Mbps	Top Side	10mm	Ant 17+18	Full Power	149	5745	19.59	20.50	1.233	98.63	1.014	-0.06	0.350	0.438
63	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 17+18	DBS Simultaneous	155	5775	16.10	17.50	1.380	100	1.000	0.01	0.078	0.108
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 17+18	DBS Simultaneous	155	5775	16.10	17.50	1.380	100	1.000	0.05	0.104	0.144
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 17+18	DBS Simultaneous	155	5775	16.10	17.50	1.380	100	1.000	0.03	0.168	0.232
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 17+18	DBS Simultaneous	155	5775	16.10	17.50	1.380	100	1.000	-0.08	0.171	0.236



16.3 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)	
<b>750MHz</b>																			
	LTE Band 12	10M	QPSK	1	0	-	Front	15mm	Ant 0	DSI4	23095	707.5	25.14	25.70	1.138	0.03	0.187	0.213	
	LTE Band 12	10M	QPSK	25	0	-	Front	15mm	Ant 0	DSI4	23095	707.5	25.12	25.70	1.143	0.02	0.204	0.233	
	LTE Band 12	10M	QPSK	1	0	-	Back	15mm	Ant 0	DSI4	23095	707.5	25.14	25.70	1.138	0.09	0.211	0.240	
	LTE Band 12	10M	QPSK	25	0	-	Back	15mm	Ant 0	DSI4	23095	707.5	25.12	25.70	1.143	-0.05	0.225	0.257	
	LTE Band 12	10M	QPSK	1	0	-	Front	15mm	Ant 1	DSI4	23095	707.5	24.19	25.70	1.416	0.02	0.185	0.262	
	LTE Band 12	10M	QPSK	25	0	-	Front	15mm	Ant 1	DSI4	23095	707.5	24.14	25.70	1.432	0.09	0.208	0.298	
	LTE Band 12	10M	QPSK	1	0	-	Back	15mm	Ant 1	DSI4	23095	707.5	24.19	25.70	1.416	0.05	0.202	0.286	
64	LTE Band 12	10M	QPSK	25	0	-	Back	15mm	Ant 1	DSI4	23095	707.5	24.14	25.70	1.432	-0.07	0.217	<b>0.311</b>	
	LTE Band 13	10M	QPSK	1	0	-	Front	15mm	Ant 0	DSI4	23230	782	25.06	25.60	1.132	0.03	0.273	0.309	
	LTE Band 13	10M	QPSK	25	0	-	Front	15mm	Ant 0	DSI4	23230	782	25.02	25.60	1.143	0.01	0.264	0.302	
	LTE Band 13	10M	QPSK	1	0	-	Back	15mm	Ant 0	DSI4	23230	782	25.06	25.60	1.132	-0.13	0.293	0.332	
	LTE Band 13	10M	QPSK	25	0	-	Back	15mm	Ant 0	DSI4	23230	782	25.02	25.60	1.143	0.06	0.278	0.318	
	LTE Band 13	10M	QPSK	1	0	-	Front	15mm	Ant 1	DSI4	23230	782	24.18	25.70	1.419	0.02	0.494	0.701	
	LTE Band 13	10M	QPSK	25	0	-	Front	15mm	Ant 1	DSI4	23230	782	24.08	25.70	1.452	0.06	0.499	0.725	
65	LTE Band 13	10M	QPSK	1	0	-	Back	15mm	Ant 1	DSI4	23230	782	24.18	25.70	1.419	-0.08	0.522	<b>0.741</b>	
	LTE Band 13	10M	QPSK	25	0	-	Back	15mm	Ant 1	DSI4	23230	782	24.08	25.70	1.452	0.09	0.503	0.730	
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 0	DSI4	136100	680.5	24.80	25.70	1.230	0.03	0.166	0.204	
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Front	15mm	Ant 0	DSI4	136100	680.5	24.76	25.70	1.242	0.1	0.158	0.196	
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 0	DSI4	136100	680.5	24.80	25.70	1.230	0.06	0.159	0.196	
66	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Back	15mm	Ant 0	DSI4	136100	680.5	24.76	25.70	1.242	-0.02	0.169	<b>0.210</b>	
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 1	DSI4	136100	680.5	24.51	25.70	1.315	0.03	0.106	0.139	
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Front	15mm	Ant 1	DSI4	136100	680.5	24.49	25.70	1.321	0.01	0.080	0.106	
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 1	DSI4	136100	680.5	24.51	25.70	1.315	0.02	0.120	0.158	
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Back	15mm	Ant 1	DSI4	136100	680.5	24.49	25.70	1.321	0.06	0.091	0.120	
<b>835MHz</b>																			
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	15mm	Ant 0	DSI4	189	836.4	27.04	27.40	1.086	0.02	0.182	0.198	
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	15mm	Ant 0	DSI4	189	836.4	27.04	27.40	1.086	0.08	0.200	0.217	
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	15mm	Ant 1	DSI4	189	836.4	26.44	28.00	1.432	0.02	0.376	0.539	
67	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	15mm	Ant 1	DSI4	189	836.4	26.44	28.00	1.432	-0.07	0.403	<b>0.577</b>	
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 0	DSI4	4182	836.4	24.28	25.00	1.180	0.04	0.253	0.299	
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 0	DSI4	4182	836.4	24.28	25.00	1.180	0.05	0.284	0.335	
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 1	DSI4	4182	836.4	24.27	25.70	1.390	0.02	0.382	0.531	
68	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 1	DSI4	4182	836.4	24.27	25.70	1.390	-0.04	0.392	<b>0.545</b>	
	LTE Band 26	15M	QPSK	1	0	-	Front	15mm	Ant 0	DSI4	26865	831.5	25.14	25.70	1.138	0.02	0.249	0.283	
	LTE Band 26	15M	QPSK	36	0	-	Front	15mm	Ant 0	DSI4	26865	831.5	25.06	25.70	1.159	0.07	0.251	0.291	
	LTE Band 26	15M	QPSK	1	0	-	Back	15mm	Ant 0	DSI4	26865	831.5	25.14	25.70	1.138	-0.12	0.288	0.328	
	LTE Band 26	15M	QPSK	36	0	-	Back	15mm	Ant 0	DSI4	26865	831.5	25.06	25.70	1.159	0.06	0.276	0.320	
	LTE Band 26	15M	QPSK	1	0	-	Front	15mm	Ant 1	DSI4	26865	831.5	24.18	25.70	1.419	0.03	0.323	0.458	
	LTE Band 26	15M	QPSK	36	0	-	Front	15mm	Ant 1	DSI4	26865	831.5	24.14	25.70	1.432	0.01	0.447	0.640	
	LTE Band 26	15M	QPSK	1	0	-	Back	15mm	Ant 1	DSI4	26865	831.5	24.18	25.70	1.419	0.08	0.331	0.470	
69	LTE Band 26	15M	QPSK	36	0	-	Back	15mm	Ant 1	DSI4	26865	831.5	24.14	25.70	1.432	-0.07	0.467	<b>0.669</b>	
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 0	DSI4	167300	836.5	25.40	25.70	1.072	0.05	0.406	0.435	
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Front	15mm	Ant 0	DSI4	167300	836.5	25.33	25.70	1.089	0.04	0.357	0.389	
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 0	DSI4	167300	836.5	25.40	25.70	1.072	-0.05	0.462	0.495	
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Back	15mm	Ant 0	DSI4	167300	836.5	25.33	25.70	1.089	-0.15	0.410	0.446	
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 1	DSI4	167300	836.5	24.33	25.70	1.371	-0.1	0.494	0.677	
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Front	15mm	Ant 1	DSI4	167300	836.5	24.24	25.70	1.400	0.05	0.571	0.799	
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 1	DSI4	167300	836.5	24.33	25.70	1.371	0.1	0.536	0.735	
70	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Back	15mm	Ant 1	DSI4	167300	836.5	24.24	25.70	1.400	-0.08	0.597	<b>0.836</b>	
	FR1 n5	20M	QPSK	100	0	DFT-SCS-15KHz	Back	15mm	Ant 1	DSI4	167300	836.5	23.18	24.70	1.419	0.03	0.511	0.725	



1750MHz																		
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 3	DSI4	1413	1732.6	24.21	24.90	1.172	-0.06	0.470	0.551
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 3	DSI4	1413	1732.6	24.21	24.90	1.172	-0.05	0.491	0.576
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 0	DSI4	1413	1732.6	22.39	23.70	1.352	0.11	0.236	0.319
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 0	DSI4	1413	1732.6	22.39	23.70	1.352	-0.06	0.264	0.357
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 4	DSI4	1413	1732.6	23.54	24.60	1.276	0.15	0.620	0.791
71	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 4	DSI4	1413	1732.6	23.54	24.60	1.276	-0.02	0.851	1.086
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 4	DSI4	1312	1712.4	23.50	24.60	1.288	0.03	0.799	1.029
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 4	DSI4	1513	1752.6	23.34	24.60	1.337	0.01	0.811	1.084
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 6	DSI4	1413	1732.6	23.67	25.20	1.422	-0.08	0.337	0.479
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 6	DSI4	1413	1732.6	23.67	25.20	1.422	-0.08	0.468	0.666
	LTE Band 4	20M	QPSK	1	0	-	Front	15mm	Ant 3	DSI4	20175	1732.5	25.01	25.50	1.119	-0.03	0.355	0.397
	LTE Band 4	20M	QPSK	50	0	-	Front	15mm	Ant 3	DSI4	20175	1732.5	24.96	25.50	1.132	0.04	0.353	0.400
	LTE Band 4	20M	QPSK	1	0	-	Back	15mm	Ant 3	DSI4	20175	1732.5	25.01	25.50	1.119	-0.06	0.392	0.439
	LTE Band 4	20M	QPSK	50	0	-	Back	15mm	Ant 3	DSI4	20175	1732.5	24.96	25.50	1.132	0.01	0.379	0.429
	LTE Band 4	20M	QPSK	1	0	-	Front	15mm	Ant 0	DSI4	20175	1732.5	24.08	25.50	1.387	-0.16	0.312	0.433
	LTE Band 4	20M	QPSK	50	0	-	Front	15mm	Ant 0	DSI4	20175	1732.5	24.02	25.50	1.406	-0.14	0.309	0.434
	LTE Band 4	20M	QPSK	1	0	-	Back	15mm	Ant 0	DSI4	20175	1732.5	24.08	25.50	1.387	-0.03	0.364	0.505
	LTE Band 4	20M	QPSK	50	0	-	Back	15mm	Ant 0	DSI4	20175	1732.5	24.02	25.50	1.406	0.04	0.343	0.482
	LTE Band 4	20M	QPSK	1	0	-	Front	15mm	Ant 4	DSI4	20175	1732.5	23.69	24.20	1.125	0.03	0.691	0.777
	LTE Band 4	20M	QPSK	50	0	-	Front	15mm	Ant 4	DSI4	20175	1732.5	23.62	24.20	1.143	0.01	0.703	0.803
	LTE Band 4	20M	QPSK	100	0	-	Front	15mm	Ant 4	DSI4	20175	1732.5	23.59	24.20	1.151	0.01	0.676	0.778
	LTE Band 4	20M	QPSK	1	0	-	Back	15mm	Ant 4	DSI4	20175	1732.5	23.69	24.20	1.125	0.05	0.913	1.027
72	LTE Band 4	20M	QPSK	50	0	-	Back	15mm	Ant 4	DSI4	20175	1732.5	23.62	24.20	1.143	-0.05	0.928	1.061
	LTE Band 4	20M	QPSK	100	0	-	Back	15mm	Ant 4	DSI4	20175	1732.5	23.59	24.20	1.151	0.01	0.891	1.025
	LTE Band 4	20M	QPSK	1	0	-	Front	15mm	Ant 6	DSI4	20175	1732.5	20.91	21.90	1.256	0.02	0.224	0.281
	LTE Band 4	20M	QPSK	50	0	-	Front	15mm	Ant 6	DSI4	20175	1732.5	20.79	21.90	1.291	0.09	0.238	0.307
	LTE Band 4	20M	QPSK	1	0	-	Back	15mm	Ant 6	DSI4	20175	1732.5	20.91	21.90	1.256	0.14	0.295	0.371
	LTE Band 4	20M	QPSK	50	0	-	Back	15mm	Ant 6	DSI4	20175	1732.5	20.79	21.90	1.291	-0.06	0.311	0.402
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 3	DSI4	132322	1745	24.33	24.90	1.140	0.02	0.352	0.401
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 3	DSI4	132322	1745	24.31	24.90	1.146	0.06	0.343	0.393
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 3	DSI4	132322	1745	24.33	24.90	1.140	0.09	0.368	0.420
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 3	DSI4	132322	1745	24.31	24.90	1.146	-0.07	0.370	0.424
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 0	DSI4	132322	1745	22.86	24.30	1.393	0.03	0.259	0.361
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 0	DSI4	132322	1745	22.84	24.30	1.400	-0.14	0.233	0.326
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 0	DSI4	132322	1745	22.86	24.30	1.393	-0.02	0.265	0.369
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 0	DSI4	132322	1745	22.84	24.30	1.400	0.06	0.260	0.364
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 4	DSI4	132322	1745	24.10	24.70	1.148	0.14	0.644	0.739
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 4	DSI4	132322	1745	24.06	24.70	1.159	-0.07	0.661	0.766
73	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 4	DSI4	132322	1745	24.10	24.70	1.148	-0.01	0.883	1.014
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 4	DSI4	132072	1720	24.00	24.70	1.175	0.03	0.849	0.997
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 4	DSI4	132572	1770	23.87	24.70	1.211	0.01	0.821	0.994
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 4	DSI4	132322	1745	24.06	24.70	1.159	0.13	0.839	0.972
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 4	DSI4	132072	1720	23.92	24.70	1.197	0.05	0.820	0.981
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 4	DSI4	132572	1770	24.01	24.70	1.172	0.01	0.811	0.951
	LTE Band 66	20M	QPSK	100	0	-	Back	15mm	Ant 4	DSI4	132322	1745	23.98	24.70	1.180	0.11	0.791	0.934
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 6	DSI4	132322	1745	20.92	22.20	1.343	0.1	0.233	0.313
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 6	DSI4	132322	1745	20.89	22.20	1.352	-0.15	0.225	0.304
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 6	DSI4	132322	1745	20.92	22.20	1.343	0.04	0.304	0.408
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 6	DSI4	132322	1745	20.89	22.20	1.352	-0.09	0.301	0.407
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 3	DSI4	349000	1745	25.27	25.70	1.104	-0.08	0.424	0.468
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	15mm	Ant 3	DSI4	349000	1745	25.18	25.70	1.127	0.07	0.439	0.495
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 3	DSI4	349000	1745	25.27	25.70	1.104	0.08	0.442	0.488
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 3	DSI4	349000	1745	25.18	25.70	1.127	-0.01	0.443	0.499
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 0	DSI4	349000	1745	24.43	25.70	1.340	0.09	0.331	0.443
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	15mm	Ant 0	DSI4	349000	1745	24.21	25.70	1.409	0.11	0.342	0.482





	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 0	DSI4	349000	1745	24.43	25.70	1.340	-0.04	0.413	0.553
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 0	DSI4	349000	1745	24.21	25.70	1.409	-0.13	0.374	0.527
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 4	DSI4	349000	1745	24.15	24.70	1.135	0.06	0.634	0.720
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	15mm	Ant 4	DSI4	349000	1745	24.13	24.70	1.140	0.05	0.639	0.729
74	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 4	DSI4	349000	1745	24.15	24.70	1.135	-0.06	0.828	0.940
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 4	DSI4	349000	1745	24.13	24.70	1.140	-0.08	0.803	0.916
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Back	15mm	Ant 4	DSI4	349000	1745	24.12	24.70	1.143	0.06	0.645	0.737
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 6	DSI4	349000	1745	20.10	20.70	1.148	0.18	0.137	0.157
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	15mm	Ant 6	DSI4	349000	1745	20.03	20.70	1.167	0.08	0.162	0.189
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 6	DSI4	349000	1745	20.10	20.70	1.148	0.07	0.180	0.207
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 6	DSI4	349000	1745	20.03	20.70	1.167	0.07	0.210	0.245
<b>1900MHz</b>																		
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	15mm	Ant 3	DSI4	661	1880	23.46	24.40	1.242	0.11	0.072	0.089
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	15mm	Ant 3	DSI4	661	1880	23.46	24.40	1.242	-0.06	0.073	0.091
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	15mm	Ant 4	DSI4	661	1880	23.32	24.50	1.312	0.03	0.123	0.161
75	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	15mm	Ant 4	DSI4	661	1880	23.32	24.50	1.312	-0.08	0.146	0.192
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 3	DSI4	9400	1880	24.34	25.10	1.191	0.02	0.335	0.399
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 3	DSI4	9400	1880	24.34	25.10	1.191	-0.09	0.345	0.411
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 4	DSI4	9400	1880	24.08	25.40	1.355	0.06	0.524	0.710
76	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 4	DSI4	9400	1880	24.08	25.40	1.355	0.07	0.631	0.855
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 4	DSI4	9262	1852.4	23.94	25.40	1.400	0.11	0.606	0.848
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 4	DSI4	9538	1907.6	24.01	25.40	1.377	0.13	0.591	0.814
	LTE Band 2 Other PA	20M	QPSK	1	0	-	Front	15mm	Ant 6	DSI4	18900	1880	20.50	21.40	1.230	0.13	0.488	0.600
	LTE Band 2 Other PA	20M	QPSK	50	0	-	Front	15mm	Ant 6	DSI4	18900	1880	20.34	21.40	1.276	0.01	0.379	0.484
77	LTE Band 2 Other PA	20M	QPSK	1	0	-	Back	15mm	Ant 6	DSI4	18900	1880	20.50	21.40	1.230	-0.16	0.660	0.812
	LTE Band 2 Other PA	20M	QPSK	1	0	-	Back	15mm	Ant 6	DSI4	18700	1860	20.40	21.40	1.259	0.03	0.631	0.794
	LTE Band 2 Other PA	20M	QPSK	1	0	-	Back	15mm	Ant 6	DSI4	19100	1900	20.34	21.40	1.276	0.02	0.599	0.765
	LTE Band 2 Other PA	20M	QPSK	50	0	-	Back	15mm	Ant 6	DSI4	18900	1880	20.34	21.40	1.276	0.05	0.536	0.684
	LTE Band 2 Other PA	20M	QPSK	100	0	-	Back	15mm	Ant 6	DSI4	18900	1880	20.26	21.40	1.300	0.03	0.521	0.677
	LTE Band 25	20M	QPSK	1	0	-	Front	15mm	Ant 3	DSI4	26340	1880	25.12	25.60	1.117	0.03	0.410	0.458
	LTE Band 25	20M	QPSK	50	0	-	Front	15mm	Ant 3	DSI4	26340	1880	25.10	25.60	1.122	0.09	0.401	0.450
	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 3	DSI4	26340	1880	25.12	25.60	1.117	0.07	0.401	0.448
	LTE Band 25	20M	QPSK	50	0	-	Back	15mm	Ant 3	DSI4	26340	1880	25.10	25.60	1.122	0.02	0.422	0.473
	LTE Band 25	20M	QPSK	1	0	-	Front	15mm	Ant 4	DSI4	26340	1880	24.66	25.50	1.213	0.1	0.395	0.479
	LTE Band 25	20M	QPSK	50	0	-	Front	15mm	Ant 4	DSI4	26340	1880	24.51	25.50	1.256	0.09	0.404	0.507
	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 4	DSI4	26340	1880	24.66	25.50	1.213	0.04	0.528	0.641
78	LTE Band 25	20M	QPSK	50	0	-	Back	15mm	Ant 4	DSI4	26340	1880	24.51	25.50	1.256	0.16	0.530	0.666



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, Duty Cycle %, Duty Cycle Scaling Factor, Power Drift (dB), Measured 1g SAR (W/kg), Reported 1g SAR (W/kg). Includes rows for 2600MHz and FR1 n7 bands.



	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 3	DSI4	507000	2535	25.21	25.70	1.119	-	-	-0.08	0.507	0.568
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 0	DSI4	507000	2535	23.93	25.10	1.309	-	-	0.1	0.147	0.192
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	15mm	Ant 0	DSI4	507000	2535	23.78	25.10	1.355	-	-	-0.04	0.151	0.205
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 0	DSI4	507000	2535	23.93	25.10	1.309	-	-	0.07	0.133	0.174
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 0	DSI4	507000	2535	23.78	25.10	1.355	-	-	0.04	0.138	0.187
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 4	DSI4	507000	2535	25.34	25.70	1.086	-	-	0.15	0.654	0.711
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	15mm	Ant 4	DSI4	507000	2535	25.25	25.70	1.109	-	-	0.06	0.696	0.772
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 4	DSI4	507000	2535	25.34	25.70	1.086	-	-	0.02	0.765	0.831
82	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 4	DSI4	507000	2535	25.25	25.70	1.109	-	-	0.04	0.799	0.886
	FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Back	15mm	Ant 4	DSI4	507000	2535	24.37	24.70	1.079	-	-	0.03	0.721	0.778
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 6	DSI4	507000	2535	20.89	21.70	1.205	-	-	0.14	0.217	0.261
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	15mm	Ant 6	DSI4	507000	2535	20.84	21.70	1.219	-	-	0.08	0.201	0.245
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 6	DSI4	507000	2535	20.89	21.70	1.205	-	-	0.02	0.343	0.413
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 6	DSI4	507000	2535	20.84	21.70	1.219	-	-	-0.04	0.315	0.384
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 3	DSI4	518598	2592.99	25.51	25.70	1.045	-	-	0.11	0.400	0.418
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 3	DSI4	518598	2592.99	25.39	25.70	1.074	-	-	-0.18	0.368	0.395
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 3	DSI4	518598	2592.99	25.51	25.70	1.045	-	-	-0.14	0.503	0.525
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 3	DSI4	518598	2592.99	25.39	25.70	1.074	-	-	0.06	0.450	0.483
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 0	DSI4	518598	2592.99	24.18	25.00	1.208	-	-	-0.09	0.128	0.155
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 0	DSI4	518598	2592.99	23.98	25.00	1.265	-	-	-0.08	0.161	0.204
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI4	518598	2592.99	24.18	25.00	1.208	-	-	-0.09	0.116	0.140
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI4	518598	2592.99	23.98	25.00	1.265	-	-	0.02	0.140	0.177
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 4	DSI4	518598	2592.99	25.11	25.70	1.146	-	-	-0.07	0.566	0.648
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 4	DSI4	518598	2592.99	25.07	25.70	1.156	-	-	-0.14	0.575	0.665
83	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI4	518598	2592.99	25.11	25.70	1.146	-	-	-0.04	0.790	0.905
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI4	518598	2592.99	25.07	25.70	1.156	-	-	0.08	0.743	0.859
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI4	518598	2592.99	23.92	24.70	1.197	-	-	0.09	0.594	0.711
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 6	DSI4	518598	2592.99	20.32	21.20	1.225	-	-	-0.13	0.139	0.170
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 6	DSI4	518598	2592.99	20.22	21.20	1.253	-	-	0.01	0.104	0.130
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI4	518598	2592.99	20.32	21.20	1.225	-	-	-0.01	0.246	0.301
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI4	518598	2592.99	20.22	21.20	1.253	-	-	-0.17	0.206	0.258
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 6	DSI4	519000	2595	20.34	21.20	1.219	-	-	-0.02	0.130	0.158
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Front	15mm	Ant 6	DSI4	519000	2595	20.26	21.20	1.242	-	-	-0.04	0.117	0.145
84	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI4	519000	2595	20.34	21.20	1.219	-	-	-0.05	0.246	0.300
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI4	519000	2595	20.26	21.20	1.242	-	-	-0.17	0.241	0.299
<b>3500MHz</b>																				
	LTE Band 42	20M	QPSK	1	0	-	Front	15mm	Ant 1	DSI4	42590	3500	22.60	24.00	1.380	62.9	1.006	0.06	0.088	0.122
	LTE Band 42	20M	QPSK	50	0	-	Front	15mm	Ant 1	DSI4	42590	3500	22.52	24.00	1.406	62.9	1.006	0.09	0.087	0.123
	LTE Band 42	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI4	42590	3500	22.60	24.00	1.380	62.9	1.006	0.02	0.156	0.217
	LTE Band 42C	20M	QPSK	1	99	-	Back	15mm	Ant 1	DSI4	42590+42788	3500+3519.8	22.52	24.00	1.406	62.9	1.006	0.06	0.142	0.201
	LTE Band 42	20M	QPSK	50	0	-	Back	15mm	Ant 1	DSI4	42590	3500	22.52	24.00	1.406	62.9	1.006	0.05	0.152	0.215
	LTE Band 42	20M	QPSK	1	0	-	Front	15mm	Ant 3	DSI4	42590	3500	22.63	23.80	1.309	62.9	1.006	-0.05	0.103	0.136
	LTE Band 42	20M	QPSK	50	0	-	Front	15mm	Ant 3	DSI4	42590	3500	22.53	23.80	1.340	62.9	1.006	-0.12	0.125	0.168
	LTE Band 42	20M	QPSK	1	0	-	Back	15mm	Ant 3	DSI4	42590	3500	22.63	23.80	1.309	62.9	1.006	0.14	0.186	0.245
	LTE Band 42	20M	QPSK	50	0	-	Back	15mm	Ant 3	DSI4	42590	3500	22.53	23.80	1.340	62.9	1.006	-0.05	0.192	0.259
	LTE Band 42C	20M	QPSK	50	50	-	Back	15mm	Ant 3	DSI4	42590+42788	3500+3519.8	22.43	23.80	1.371	62.9	1.006	-0.06	0.171	0.236
	LTE Band 42	20M	QPSK	1	0	-	Front	15mm	Ant 10	DSI4	42590	3500	25.07	25.70	1.156	62.9	1.006	0.03	0.174	0.202
	LTE Band 42	20M	QPSK	50	0	-	Front	15mm	Ant 10	DSI4	42590	3500	24.86	25.70	1.213	62.9	1.006	0.09	0.171	0.209
85	LTE Band 42	20M	QPSK	1	0	-	Back	15mm	Ant 10	DSI4	42590	3500	25.07	25.70	1.156	62.9	1.006	0.04	0.331	0.385
	LTE Band 42C	20M	QPSK	1	99	-	Back	15mm	Ant 10	DSI4	42590+42788	3500+3519.8	25.02	25.70	1.169	62.9	1.006	0.01	0.315	0.371
	LTE Band 42	20M	QPSK	50	0	-	Back	15mm	Ant 10	DSI4	42590	3500	24.86	25.70	1.213	62.9	1.006	0.07	0.309	0.377
	LTE Band 42	20M	QPSK	1	0	-	Front	15mm	Ant 12	DSI4	42590	3500	20.28	20.70	1.102	62.9	1.006	0.03	0.050	0.055
	LTE Band 42	20M	QPSK	50	0	-	Front	15mm	Ant 12	DSI4	42590	3500	20.05	20.70	1.161	62.9	1.006	0.09	0.035	0.041
	LTE Band 42	20M	QPSK	1	0	-	Back	15mm	Ant 12	DSI4	42590	3500	20.28	20.70	1.102	62.9	1.006	0.07	0.318	0.352
	LTE Band 42	20M	QPSK	50	0	-	Back	15mm	Ant 12	DSI4	42590	3500	20.05	20.70	1.161	62.9	1.006	0.09	0.329	0.384



Table with columns for LTE Band, Power, Modulation, Frequency, Distance, Orientation, Antenna, Power Density, and SAR values. Includes rows for LTE Band 42C, LTE Band 48, and FR1 n77.



**FCC SAR Test Report**

**Report No. : FA291702**

	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 12	DSI4	633334	3500.01	17.72	19.20	1.406	-	-	0.03	0.288	0.405
	FR1 n77 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 12	DSI4	633334	3500.01	20.81	22.20	1.377	50	1.000	0.09	0.309	0.426
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 1	DSI4	650000	3750	20.79	22.50	1.483	-	-	0.06	0.137	0.203
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 1	DSI4	650000	3750	20.73	22.50	1.503	-	-	0.11	0.191	0.287
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 1	DSI4	650000	3750	20.79	22.50	1.483	-	-	-0.05	0.111	0.165
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 1	DSI4	650000	3750	20.73	22.50	1.503	-	-	0.16	0.122	0.183
	FR1 n78 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 1	DSI4	650000	3750	23.69	25.50	1.517	50	1.000	0.02	0.193	0.293
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 1	DSI4	633334	3500.01	20.67	22.50	1.524	-	-	0.06	0.046	0.070
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 1	DSI4	633334	3500.01	20.59	22.50	1.552	-	-	0.18	0.038	0.059
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 1	DSI4	633334	3500.01	20.67	22.50	1.524	-	-	-0.1	0.102	0.155
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 1	DSI4	633334	3500.01	20.59	22.50	1.552	-	-	0.06	0.144	0.224
	FR1 n78 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 1	DSI4	633334	3500.01	23.63	25.50	1.538	50	1.000	0.03	0.155	0.238
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 3	DSI4	650000	3750	21.89	23.50	1.449	-	-	-0.16	0.134	0.194
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 3	DSI4	650000	3750	21.76	23.50	1.493	-	-	-0.01	0.124	0.185
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 3	DSI4	650000	3750	21.89	23.50	1.449	-	-	0.08	0.239	0.346
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 3	DSI4	650000	3750	21.76	23.50	1.493	-	-	-0.05	0.281	0.419
	FR1 n78 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 3	DSI4	650000	3750	23.73	25.00	1.340	50	1.000	0.02	0.271	0.363
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 3	DSI4	633334	3500.01	21.76	23.50	1.493	-	-	0.09	0.181	0.270
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 3	DSI4	633334	3500.01	21.69	23.50	1.517	-	-	-0.18	0.166	0.252
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 3	DSI4	633334	3500.01	21.76	23.50	1.493	-	-	-0.16	0.311	0.464
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 3	DSI4	633334	3500.01	21.69	23.50	1.517	-	-	0.07	0.371	0.563
	FR1 n78 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 3	DSI4	633334	3500.01	23.70	25.00	1.349	50	1.000	0.02	0.321	0.433
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 10	DSI4	650000	3750	24.08	24.70	1.153	-	-	0.16	0.256	0.295
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 10	DSI4	650000	3750	24.02	24.70	1.169	-	-	-0.11	0.267	0.312
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI4	650000	3750	24.08	24.70	1.153	-	-	0.05	0.259	0.299
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI4	650000	3750	24.02	24.70	1.169	-	-	0.01	0.273	0.319
	FR1 n78 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI4	650000	3750	26.99	27.70	1.178	50	1.000	0.05	0.246	0.290
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 10	DSI4	633334	3500.01	24.09	24.70	1.151	-	-	0.08	0.260	0.299
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 10	DSI4	633334	3500.01	24.06	24.70	1.159	-	-	0.05	0.266	0.308
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI4	633334	3500.01	24.09	24.70	1.151	-	-	-0.03	0.601	0.692
88	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI4	633334	3500.01	24.06	24.70	1.159	-	-	0.02	0.824	0.955
	FR1 n78	100M	QPSK	270	0	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI4	633334	3500.01	24.02	24.70	1.169	-	-	0.06	0.601	0.703
	FR1 n78 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI4	633334	3500.01	27.01	27.70	1.172	50	1.000	-0.12	0.788	0.924
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 12	DSI4	650000	3750	17.28	18.20	1.236	-	-	0.12	0.038	0.047
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 12	DSI4	650000	3750	17.22	18.20	1.253	-	-	-0.19	0.032	0.040
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 12	DSI4	650000	3750	17.28	18.20	1.236	-	-	0.16	0.163	0.201
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 12	DSI4	650000	3750	17.22	18.20	1.253	-	-	0.1	0.132	0.165
	FR1 n78 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 12	DSI4	650000	3750	20.18	21.20	1.265	50	1.000	0.03	0.175	0.221
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 12	DSI4	633334	3500.01	17.26	18.20	1.242	-	-	0.04	0.043	0.053
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 12	DSI4	633334	3500.01	17.20	18.20	1.259	-	-	-0.11	0.040	0.050
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 12	DSI4	633334	3500.01	17.26	18.20	1.242	-	-	0.11	0.278	0.345
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 12	DSI4	633334	3500.01	17.20	18.20	1.259	-	-	-0.06	0.240	0.302
	FR1 n78 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 12	DSI4	633334	3500.01	20.20	21.20	1.259	50	1.000	-0.01	0.247	0.311





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)
<b>2450MHz</b>																
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 15+18	Full Power	6	2437	21.30	21.50	1.047	97.46	1.026	0.02	0.190	0.204
89	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 15+18	Full Power	6	2437	21.30	21.50	1.047	97.46	1.026	-0.01	0.252	<b>0.271</b>
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 15+18	DBS Simultaneous	6	2437	20.72	21.00	1.067	97.46	1.026	0.04	0.124	0.136
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 15+18	DBS Simultaneous	6	2437	20.72	21.00	1.067	97.46	1.026	0.03	0.221	0.242
	Bluetooth	1Mbps	Front	15mm	Ant 18	Full Power	39	2441	16.73	18.00	1.341	76.79	1.085	0.06	0.001	0.001
90	Bluetooth	1Mbps	Back	15mm	Ant 18	Full Power	39	2441	16.73	18.00	1.341	76.79	1.085	-0.06	0.067	<b>0.097</b>
	Bluetooth	1Mbps	Front	15mm	Ant 15	Full Power	39	2441	16.42	17.50	1.284	76.64	1.087	-0.09	0.001	0.001
	Bluetooth	1Mbps	Back	15mm	Ant 15	Full Power	39	2441	16.42	17.50	1.284	76.64	1.087	0.08	0.043	0.060
<b>5000MHz</b>																
	WLAN5.3GHz	802.11a 6Mbps	Front	15mm	Ant 17+18	Full Power	64	5320	21.14	22.00	1.219	98.63	1.014	0.04	0.170	0.210
91	WLAN5.3GHz	802.11a 6Mbps	Back	15mm	Ant 17+18	Full Power	64	5320	21.14	22.00	1.219	98.63	1.014	0.01	0.240	<b>0.297</b>
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	15mm	Ant 17+18	DBS Simultaneous	62	5310	19.40	20.50	1.288	98.63	1.014	0.01	0.128	0.167
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	15mm	Ant 17+18	DBS Simultaneous	62	5310	19.40	20.50	1.288	98.63	1.014	0.03	0.181	0.236
	WLAN5.5GHz	802.11a 6Mbps	Front	15mm	Ant 17+18	Full Power	116	5580	21.10	22.00	1.230	98.63	1.014	0.03	0.137	0.171
92	WLAN5.5GHz	802.11a 6Mbps	Back	15mm	Ant 17+18	Full Power	116	5580	21.10	22.00	1.230	98.63	1.014	-0.09	0.198	<b>0.247</b>
	WLAN5.8GHz	802.11a 6Mbps	Front	15mm	Ant 17+18	Full Power	149	5745	19.59	20.50	1.233	98.63	1.014	0.04	0.130	0.163
93	WLAN5.8GHz	802.11a 6Mbps	Back	15mm	Ant 17+18	Full Power	149	5745	19.59	20.50	1.233	98.63	1.014	-0.01	0.157	<b>0.196</b>



16.4 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	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
<b>1900MHz</b>																				
94	LTE Band 2 Other PA	20M	QPSK	1	0	-	Left Side	0mm	Ant 6	DSI3	18900	1880	20.50	21.40	1.230	-	-	0.07	1.91	<b>2.350</b>
	LTE Band 2 Other PA	20M	QPSK	1	0	-	Left Side	0mm	Ant 6	DSI3	18700	1860	20.40	21.40	1.259	-	-	0.05	1.75	2.203
	LTE Band 2 Other PA	20M	QPSK	1	0	-	Left Side	0mm	Ant 6	DSI3	19100	1900	20.34	21.40	1.276	-	-	0.01	1.81	2.310
	LTE Band 2 Other PA	20M	QPSK	50	0	-	Left Side	0mm	Ant 6	DSI3	18900	1880	20.34	21.40	1.276	-	-	0.03	1.73	2.208
	LTE Band 2 Other PA	20M	QPSK	50	0	-	Left Side	0mm	Ant 6	DSI3	18700	1860	20.28	21.40	1.294	-	-	0.12	1.67	2.161
	LTE Band 2 Other PA	20M	QPSK	50	0	-	Left Side	0mm	Ant 6	DSI3	19100	1900	20.17	21.40	1.327	-	-	0.1	1.70	2.257
	LTE Band 2 Other PA	20M	QPSK	100	0	-	Left Side	0mm	Ant 6	DSI3	18700	1860	20.26	21.40	1.300	-	-	0.05	1.63	2.119
<b>3500MHz</b>																				
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 1	DSI3	656000	3840	18.86	20.50	1.459	-	-	-0.01	1.75	2.553
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 1	DSI3	656000	3840	18.73	20.50	1.503	-	-	0.06	1.61	2.420
	FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	0mm	Ant 1	DSI3	656000	3840	18.69	20.50	1.517	-	-	0.06	1.63	2.473
	FR1 n77 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 1	DSI3	656000	3840	21.73	23.50	1.503	50	1.000	-0.03	1.59	2.390
95	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 12	DSI3	633334	3500.01	17.82	19.20	1.374	-	-	-0.01	1.87	<b>2.569</b>
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 12	DSI3	633334	3500.01	17.72	19.20	1.406	-	-	0.05	1.73	2.432
	FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 12	DSI3	633334	3500.01	17.68	19.20	1.419	-	-	0.05	1.65	2.341
	FR1 n77 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 12	DSI3	633334	3500.01	20.81	22.20	1.377	50	100	0.01	1.71	2.355
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 10	DSI3	633334	3500.01	21.99	22.70	1.178	-	-	0.12	1.38	1.625
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 10	DSI3	633334	3500.01	21.91	22.70	1.199	-	-	-0.07	1.63	1.955
	FR1 n78 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 10	DSI3	633334	3500.01	24.90	25.70	1.202	50	1.000	0.07	1.48	1.779
96	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 10	DSI4	633334	3500.01	24.06	24.70	1.159	-	-	-0.02	2.16	<b>2.503</b>
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 10	DSI4	633334	3500.01	24.09	24.70	1.151	-	-	-0.03	2.01	2.313
	FR1 n78	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 10	DSI4	633334	3500.01	24.02	24.70	1.169	-	-	0.02	1.98	2.316

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)
<b>5000MHz</b>																
	WLAN5.3GHz	802.11a 6Mbps	Front	0mm	Ant 17+18	Full Power	64	5320	21.14	22.00	1.219	98.63	1.014	0.06	1.23	1.520
	WLAN5.3GHz	802.11a 6Mbps	Back	0mm	Ant 17+18	Full Power	64	5320	21.14	22.00	1.219	98.63	1.014	0.02	0.55	0.680
	WLAN5.3GHz	802.11a 6Mbps	Left Side	0mm	Ant 17+18	Full Power	64	5320	21.14	22.00	1.219	98.63	1.014	0.15	0.04	0.049
97	WLAN5.3GHz	802.11a 6Mbps	Right Side	0mm	Ant 17+18	Full Power	64	5320	21.14	22.00	1.219	98.63	1.014	0.05	1.64	<b>2.027</b>
	WLAN5.3GHz	802.11a 6Mbps	Right Side	0mm	Ant 17+18	Full Power	60	5300	20.90	22.00	1.288	98.63	1.014	0.09	1.51	1.972
	WLAN5.3GHz	802.11a 6Mbps	Top Side	0mm	Ant 17+18	Full Power	64	5320	21.14	22.00	1.219	98.63	1.014	-0.03	1.03	1.273
	WLAN5.5GHz	802.11a 6Mbps	Front	0mm	Ant 17+18	Full Power	116	5580	21.10	22.00	1.230	98.63	1.014	0.02	1.38	1.722
	WLAN5.5GHz	802.11a 6Mbps	Back	0mm	Ant 17+18	Full Power	116	5580	21.10	22.00	1.230	98.63	1.014	-0.06	0.57	0.711
98	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 17+18	Full Power	116	5580	21.10	22.00	1.230	98.63	1.014	0.01	2.02	<b>2.520</b>
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 17+18	Simultaneous	122	5610	18.52	19.00	1.117	100	1.000	0.02	1.73	1.932
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 17+18	Full Power	100	5500	21.02	22.00	1.253	98.63	1.014	0.07	1.86	2.363
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 17+18	Full Power	124	5620	21.02	22.00	1.253	98.63	1.014	-0.18	1.89	2.402
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 17+18	Full Power	132	5660	20.91	22.00	1.285	98.63	1.014	0.03	1.60	2.085
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 17+18	Full Power	140	5700	20.70	22.00	1.349	98.63	1.014	0.02	1.52	2.079
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 17+18	Full Power	144	5720	20.78	22.00	1.324	98.63	1.014	-0.16	1.48	1.987
	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Ant 17+18	Full Power	116	5580	21.10	22.00	1.230	98.63	1.014	0.01	1.18	1.472



16.5 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	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Right Cheek	0mm	Ant 4	DS1f	349000	1745	16.13	16.70	1.140	0.11	0.940	1	1.072
2nd	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Right Cheek	0mm	Ant 4	DS1f	349000	1745	16.13	16.70	1.140	0.06	0.929	1.012	1.059
1st	LTE Band 2	20M	QPSK	1	0		Right Cheek	0mm	Ant 6	DS1f	19100	1900	14.91	15.90	1.256	-0.09	0.862	1	1.083
2nd	LTE Band 2	20M	QPSK	1	0		Right Cheek	0mm	Ant 6	DS1f	19100	1900	14.91	15.90	1.256	0.06	0.851	1.013	1.069
1st	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 4	DS1f	507000	2535	16.36	16.70	1.081	0.06	0.929	1	1.005
2nd	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 4	DS1f	507000	2535	16.36	16.70	1.081	0.04	0.911	1.020	0.985
1st	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 10	DS1f	656000	3840	15.68	16.20	1.127	0.09	0.812	1	0.915
2nd	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 10	DS1f	656000	3840	15.68	16.20	1.127	0.03	0.803	1.011	0.905
1st	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 10	DS1f	633334	3500.01	24.58	25.20	1.153	-0.06	0.882	1	1.017
2nd	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 10	DS1f	633334	3500.01	24.58	25.20	1.153	0.03	0.871	1.013	1.005

<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	Power Drift (dB)	Measured 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 10	DS1f	633334	3500.01	24.06	24.70	1.159	-0.02	2.16	1	2.503
2nd	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 10	DS1f	633334	3500.01	24.06	24.70	1.159	0.11	2.03	1.064	2.352
1st	WLAN5.5GHz	-	-	-	-	802.11a 6Mbps	Right Side	0mm	Ant 17+18	Full	116	5580	21.10	22.00	1.230	98.63	2.02	1	2.520
2nd	WLAN5.5GHz	-	-	-	-	802.11a 6Mbps	Right Side	0mm	Ant 17+18	Full	116	5580	21.10	22.00	1.230	98.63	1.94	1.041	2.420

General Note:

- Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is  $\geq 0.8W/kg$ .
- Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is  $\leq 1.2$  and the measured SAR  $< 1.45W/kg$ , only one repeated measurement is required.
- 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.
- The ratio is the difference in percentage between original and repeated *measured SAR*.
- All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.



### 16.6 TDD NR Linearity Data Analysis

**General Note:**

This device support Power Class 2 and Power Class 3 operations for 5GNR n77/n78. The highest available duty cycle for Power Class 2 operation is 50% 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 NR 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 for 1g and < 3.5 W/kg for 10g, Separate SAR testing for Power Class 2 is not required.

NR n77(HPUE)-Linearity Data for Head Ant1			NR n77(HPUE)-Linearity Data for Head Ant3		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	15.50	18.50	Maximum Tune up Power (dBm)	23.50	25.50
Reported 1g SAR (W/kg)	1.090	1.037	Reported 1g SAR (W/kg)	0.103	0.080
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	35.48	35.40	Frame Averaged (mW)	223.87	177.41
Linearity SAR (W/kg)	1.087		Linearity SAR (W/kg)	0.082	
% deviation from expected linearity		-4.64%	% deviation from expected linearity		-1.99%
NR n77(HPUE)-Linearity Data for Body-worn Ant1			NR n77(HPUE)-Linearity Data for Body-worn Ant3		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	20.50	23.50	Maximum Tune up Power (dBm)	23.50	25.50
Reported 1g SAR (W/kg)	0.207	0.188	Reported 1g SAR (W/kg)	0.501	0.431
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	112.20	111.94	Frame Averaged (mW)	223.87	177.41
Linearity SAR (W/kg)	0.207		Linearity SAR (W/kg)	0.397	
% deviation from expected linearity		-8.96%	% deviation from expected linearity		8.56%
NR n77(HPUE)-Linearity Data for Hotspot Ant1			NR n77(HPUE)-Linearity Data for Hotspot Ant3		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	15.50	18.50	Maximum Tune up Power (dBm)	20.00	23.00
Reported 1g SAR (W/kg)	0.479	0.457	Reported 1g SAR (W/kg)	0.600	0.592
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	35.48	35.40	Frame Averaged (mW)	100.00	99.76
Linearity SAR (W/kg)	0.478		Linearity SAR (W/kg)	0.599	
% deviation from expected linearity		-4.37%	% deviation from expected linearity		-1.10%
NR n77(HPUE)-Linearity Data for Extremity Ant1			NR n77(HPUE)-Linearity Data for Extremity Ant12		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	20.50	23.50	Maximum Tune up Power (dBm)	19.20	22.20
Reported 10g SAR (W/kg)	2.553	2.390	Reported 10g SAR (W/kg)	2.569	2.355
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	112.20	111.94	Frame Averaged (mW)	83.18	82.98
Linearity SAR (W/kg)	2.547		Linearity SAR (W/kg)	2.563	
% deviation from expected linearity		-6.16%	% deviation from expected linearity		-8.11%





NR n77(HPUE)-Linearity Data for Head Ant10			NR n77(HPUE)-Linearity Data for Head Ant12		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	16.20	19.20	Maximum Tune up Power (dBm)	22.70	25.70
Reported 1g SAR (W/kg)	0.915	0.857	Reported 1g SAR (W/kg)	0.977	0.878
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	41.69	41.59	Frame Averaged (mW)	186.21	185.77
Linearity SAR (W/kg)	0.913		Linearity SAR (W/kg)	0.975	
% deviation from expected linearity		-6.12%	% deviation from expected linearity		-9.92%
NR n77(HPUE)-Linearity Data for Body-worn Ant10			NR n77(HPUE)-Linearity Data for Body-worn Ant12		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	25.20	28.00	Maximum Tune up Power (dBm)	19.20	22.20
Reported 1g SAR (W/kg)	1.017	0.976	Reported 1g SAR (W/kg)	0.455	0.426
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	331.13	315.48	Frame Averaged (mW)	83.18	82.98
Linearity SAR (W/kg)	0.969		Linearity SAR (W/kg)	0.454	
% deviation from expected linearity		0.73%	% deviation from expected linearity		-6.15%
NR n77(HPUE)-Linearity Data for Hotspot Ant10			NR n77(HPUE)-Linearity Data for Hotspot Ant12		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	16.20	19.20	Maximum Tune up Power (dBm)	17.20	20.20
Reported 1g SAR (W/kg)	0.423	0.389	Reported 1g SAR (W/kg)	0.972	0.882
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	41.69	41.59	Frame Averaged (mW)	52.48	52.36
Linearity SAR (W/kg)	0.422		Linearity SAR (W/kg)	0.970	
% deviation from expected linearity		-7.82%	% deviation from expected linearity		-9.04%
NR n78(HPUE)-Linearity Data for Extremity Ant10					
	NR n78 (Power Class 3)	NR n78 (Power Class 2)			
Maximum Tune up Power (dBm)	22.70	25.70			
Reported 1g SAR (W/kg)	1.955	1.779			
Duty Cycle	100.00%	50.00%			
Frame Averaged (mW)	186.21	185.77			
Linearity SAR (W/kg)	1.950				
% deviation from expected linearity		-8.79%			



NR n78(HPUE)-Linearity Data for Head Ant1		
	NR n78 (Power Class 3)	NR n78 (Power Class 2)
Maximum Tune up Power (dBm)	16.00	19.00
Reported 1g SAR (W/kg)	1.062	1.045
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	39.81	39.72
Linearity SAR (W/kg)	1.059	
% deviation from expected linearity		-1.37%
NR n78(HPUE)-Linearity Data for Body-worn Ant1		
	NR n78 (Power Class 3)	NR n78 (Power Class 2)
Maximum Tune up Power (dBm)	22.50	25.50
Reported 1g SAR (W/kg)	0.287	0.293
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	177.83	177.41
Linearity SAR (W/kg)	0.286	
% deviation from expected linearity		2.33%
NR n78(HPUE)-Linearity Data for Hotspot Ant1		
	NR n78 (Power Class 3)	NR n78 (Power Class 2)
Maximum Tune up Power (dBm)	16.00	19.00
Reported 1g SAR (W/kg)	0.215	0.214
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	39.81	39.72
Linearity SAR (W/kg)	0.214	
% deviation from expected linearity		-0.23%

NR n78(HPUE)-Linearity Data for Head Ant3		
	NR n78 (Power Class 3)	NR n78 (Power Class 2)
Maximum Tune up Power (dBm)	23.50	25.00
Reported 1g SAR (W/kg)	0.111	0.071
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	223.87	158.11
Linearity SAR (W/kg)	0.078	
% deviation from expected linearity		-9.43%
NR n78(HPUE)-Linearity Data for Body-worn Ant3		
	NR n78 (Power Class 3)	NR n78 (Power Class 2)
Maximum Tune up Power (dBm)	23.50	25.00
Reported 1g SAR (W/kg)	0.563	0.433
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	223.87	158.11
Linearity SAR (W/kg)	0.398	
% deviation from expected linearity		8.90%
NR n78(HPUE)-Linearity Data for Hotspot Ant3		
	NR n78 (Power Class 3)	NR n78 (Power Class 2)
Maximum Tune up Power (dBm)	19.50	22.50
Reported 1g SAR (W/kg)	0.561	0.559
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	89.13	88.91
Linearity SAR (W/kg)	0.560	
% deviation from expected linearity		-0.12%

NR n78(HPUE)-Linearity Data for Head Ant10		
	NR n78 (Power Class 3)	NR n78 (Power Class 2)
Maximum Tune up Power (dBm)	17.70	20.70
Reported 1g SAR (W/kg)	0.941	0.849
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	58.88	58.74
Linearity SAR (W/kg)	0.939	
% deviation from expected linearity		-9.56%
NR n78(HPUE)-Linearity Data for Body-worn Ant10		
	NR n78 (Power Class 3)	NR n78 (Power Class 2)
Maximum Tune up Power (dBm)	24.70	27.70
Reported 1g SAR (W/kg)	0.955	0.924
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	295.12	294.42
Linearity SAR (W/kg)	1.021	
% deviation from expected linearity		-3.02%
NR n78(HPUE)-Linearity Data for Hotspot Ant10		
	NR n78 (Power Class 3)	NR n78 (Power Class 2)
Maximum Tune up Power (dBm)	17.70	20.70
Reported 1g SAR (W/kg)	0.472	0.437
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	58.88	58.74
Linearity SAR (W/kg)	0.471	
% deviation from expected linearity		-7.20%

NR n78(HPUE)-Linearity Data for Head Ant12		
	NR n78 (Power Class 3)	NR n78 (Power Class 2)
Maximum Tune up Power (dBm)	25.70	28.50
Reported 1g SAR (W/kg)	0.771	0.662
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	371.54	353.97
Linearity SAR (W/kg)	0.735	
% deviation from expected linearity		-9.88%
NR n78(HPUE)-Linearity Data for Body-worn Ant12		
	NR n78 (Power Class 3)	NR n78 (Power Class 2)
Maximum Tune up Power (dBm)	18.20	21.20
Reported 1g SAR (W/kg)	0.345	0.311
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	66.07	65.91
Linearity SAR (W/kg)	0.344	
% deviation from expected linearity		-9.64%
NR n78(HPUE)-Linearity Data for Hotspot Ant12		
	NR n78 (Power Class 3)	NR n78 (Power Class 2)
Maximum Tune up Power (dBm)	18.20	21.20
Reported 1g SAR (W/kg)	0.803	0.787
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	66.07	65.91
Linearity SAR (W/kg)	0.801	
% deviation from expected linearity		-1.76%

### 17. Simultaneous Transmission Analysis

NO.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product Specific
1.	WWAN + WLAN 5GHz + Bluetooth	Yes	Yes	Yes	Yes
2.	WWAN + WLAN 2.4GHz + WLAN 5GHz	Yes	Yes	Yes	Yes
3.	WWAN + WLAN 6GHz + Bluetooth	Yes	Yes		Yes
4.	WWAN + WLAN 2.4GHz + WLAN 6GHz	Yes	Yes		Yes

**General Note:**

1. This device supports VoIP in GPRS, EGPRS, WCDMA and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
2. WWAN above includes 5G NR bands.
3. EUT will choose each GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
4. 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.
5. This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
6. This device 2.4GHz WLAN/ 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). WIFI 6GHz has no hotspot function.
7. WLAN2.4GHz/WLAN5GHz/WLAN6GHz MIMO SAR can represent SISO SAR to do co-located SAR analysis.
8. Bluetooth BR/EDR two standalone SAR summed together as Bluetooth BR/EDR Beamforming SAR.
9. According to the EUT characteristic, WLAN 2.4GHz and Bluetooth cannot transmit simultaneously.
10. According to the EUT characteristic, WLAN 5GHz/6GHz and Bluetooth can transmit simultaneously.
11. According to the EUT characteristic, WLAN 5GHz/6GHz and WLAN 2.4GHz can transmit simultaneously.
12. According to the EUT characteristic, WLAN 5GHz and WLAN 6GHz can't transmit simultaneously.
13. For simultaneously analysis, since the SAR summation of 3 transmitters can cover others combination of 2 transmitters, therefore in this section did not additional to evaluate 2TX combination of simultaneously transmission.
14. The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
15. Chose the worst zoom scan SAR of WLAN correspondingly for co-located with WWAN analysis.
16. The reported SAR summation is calculated based on the same configuration and test position.
17. SAR Power density test report for WLAN6GHz U-NII-5/6/7/8 will be separately submitted. About co-located SAR with WWAN/Bluetooth always chose higher SAR of WLAN5G U-NII-1/2A/2C/3 and U-NII-5/6/7/8.
18. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
  - i) 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
  - ii)  $SPLSR = (SAR1 + SAR2)^{1.5} / (\min. \text{separation distance, mm})$ , and the peak separation distance is determined from the square root of  $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$ , where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
  - iii) If  $SPLSR \leq 0.04$  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.
  - v) The SPLSR calculated results please refer to section 17.7.

### 17.1 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 inter band uplink, LTE1 + LTE2 + WLAN + BT simultaneous transmission, So inter band CA uplink no need to do additional simultaneously analysis again. Only required comply with total exposure ratio (TER) of LTE + WLAN + BT < 1.

Above analysis is also apply to NR band UL MIMO, NR1 + NR2 + 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.



**17.2 Sub6 Antenna Groups**

The 2nd generation of Smart Transmit (GEN2) operates based on pre-defined sub6 antenna groups (AG). Sub6 Tx antennas in the device are grouped based on spatial variation of RF exposure distributions, where the RF exposure of one AG is mutually exclusive from other AG. This is accomplished by demonstrating below conditions for all exposure positions under each DSI for a given exposure category.

- 1) Case 1: Sum of SAR of one antenna from each of the sub6 AGs and the RF exposure from radios outside Smart Transmit is less than regulatory limits for each supported DSI. This condition must be demonstrated for all antenna combinations of sub6 AGs.
  - i. For a given DSI, obtain the highest *reported* SAR for each antenna out of all supported technologies and frequency bands. Obtain the maximum *reported* SAR for each AG by taking the maximum out of *reported* SAR for all antennas belonging to each AG.
  - ii. Demonstrate that the sum of maximum reported SAR (normalized to regulatory limit) from each of the sub6 AGs and the sum of reported SAR (normalized to regulatory limit) from all supported radios outside of Smart Transmit should be less than 1.0
- 2) Case 2: If the Case 1 is NOT met, then for a given antenna grouping scheme plus external radios/antennas (ERs) (referred to as 'configuration'), demonstrate all AG pairs, all ER pairs and all (AG, ER) pairs in the configuration meet SPLSR criteria (Section 4.3.2 (c) in FCC KDB 447498 D01 v06) for each exposure position under each supported DSI. For a given exposure position under a given DSI, prove all AG pairs, all ER pairs and all (AG, ER) pairs (if there are external radios outside Smart Transmit) in the configuration meet SPLSR.

This device supports two sub6 AG: AG0 and AG1, the detailed please refer to the below table:

<b>Antenna Group 0 (AG0)</b>	ANT1 & ANT4 & ANT6 & ANT10 & ANT12
<b>Antenna Group 1 (AG1)</b>	ANT0 & ANT3

The conditions are verified through the following criterias:

- i) (SAR1 + SAR2 criteria): If SPLSR criteria is not used, then the highest reported SAR at *Plimit* for each antenna should be obtained out of all supported technologies and frequency bands for each DSI. Demonstrate that the sum of reported SAR of one antenna from each of the sub6 AGs and the sum of RF exposure from all supported radios outside of Smart Transmit should be less than the regulatory limit as given below for each DSI.
  1. Obtain the worst-case reported SAR for each antenna group (i.e., maximum *reported* SAR at *Plimit* out of all supported technologies, frequency bands and antennas in AG0 and AG1), denoted as max.SAR.AG0 and max.SAR.AG1, and obtain the worst-case RF exposure for each external radio, and demonstrate that the sum of these RF exposures meets: { [max.SAR.AG0+ max.SAR.AG1] + WIFI/BT worst-case reported SAR } ≤ 1.6 (for 1g, or 4.0 for 10g). (WIFI/BT worst-case reported SAR is the worst SAR in all combinations of WIFI and BT simultaneous transmission)
- ii) (SPLSR criteria): For each antenna, obtain the highest reported SAR value at *Plimit* out of all supported technologies for each frequency band. Using these values, demonstrate for a given DSI that every antenna from one sub6 AG meets SPLSR criteria with every antenna in another sub6 AG for all frequency bands. This criteria must be demonstrated for all antenna pair combinations irrespective of supported simultaneous transmission scenarios as given below for each DSI:
  - a) SPLSR criteria should be met for all antenna pair combinations of AG0 and AG1. As it can be seen, these include all combinations of antenna groups, antennas, and frequency bands.
  - b) Obtain combined SAR per AG: Obtain the worst-case conservative combined SAR and its peak location for each AG.
  - c) Use the 'closest' peak location out of all antennas of AGj to evaluate SPLSR with other AGs in the configuration. Note, by 'closest', select the peak location out of all antennas (ε AGj) that is closest to the peak location of other AG where SPLSR is evaluated.
- iii) (combination of SPLSR & SAR 1+SAR2 criteria): If SPLSR criteria for all the combinations of sub6 antenna groups in (i) is demonstrated to show that each AG is mutually exclusive from other AGs, and if the WIFI/BT antennas supported outside of Smart Transmit do not meet SPLSR criteria, then the condition in (ii) reduces to: {max.SAR.AG0 + worst-case reported SAR} ≤ 1.6 and {max.SAR.AG1+ worst-case reported SAR } ≤ 1.6 for compliance demonstration (for 1g, or 4.0 for 10g).

For detailed analysis, please refer to section 17.3 / 17.4 / 17.5 / 17.6 of this report.

In this report section 17.3 / 17.4 / 17.5 / 17.6 that summed SAR results and SPLSR for all of the combinations of sub6 antenna groups are sufficient to show that AG0 is mutually exclusive from AG1 and that simultaneous transmission cases will not exceed the SAR limit and therefore no measured volumetric simultaneous SAR summation is required per FCC KDB Publication 447498 D01v06 and IEEE 1528- 2013 Section 6.3.4.1.

**17.3 Head Exposure Conditions**

**<AG0 maximum report SAR>:**

Test Position	Ant1	Ant4	Ant6	Ant10	Ant12	MAX
Right Cheek	1.090	1.091	1.088	0.883	0.876	<b>1.091</b>
Right Tilted	0.300	1.027	0.488	0.941	0.977	1.027
Left Cheek	1.058	0.752	0.341	0.702	0.857	1.058
Left Tilted	0.173	0.798	0.207	0.804	0.956	0.956

**<AG1 maximum report SAR>:**

Test Position	Ant3	Ant0	MAX
Right Cheek	0.254	0.480	<b>0.480</b>
Right Tilted	0.146	0.313	0.313
Left Cheek	0.253	0.360	0.360
Left Tilted	0.145	0.259	0.259

**<WLAN+BT Worse-case SAR>:**

NO	1	2	3	4	5	6	7	8	2+6	6+3+4	2+8	8+3+4	Wlan/BT worst case
Test Position	WLAN2.4GHz Ant 15+18 (No DBS) Simultaneous	WLAN2.4GHz Ant 15+18 (DBS) Simultaneous	Bluetooth Ant18	Bluetooth Ant15	WLAN5GHz Ant 15+18 (No DBS) Simultaneous	WLAN5GHz Ant 15+18 (DBS) Simultaneous	WLAN6GHz Ant 15+18 (Simultaneous)	WLAN6GHz Ant 15+18 (DBS) Simultaneous	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	
Right Cheek	0.220	0.127	0.013	0.010	0.205	0.107	0.233	0.105	0.234	0.130	0.232	0.128	0.234
Right Tilted	0.215	0.126	0.016	0.004	0.196	0.105	0.229	0.094	0.231	0.125	0.220	0.114	0.231
Left Cheek	0.501	0.271	0.142	0.125	0.524	0.251	0.280	0.146	0.522	0.518	0.417	0.413	0.524
Left Tilted	0.370	0.159	0.061	0.016	0.372	0.214	0.371	0.194	0.373	0.291	0.353	0.271	0.373

**<AG0 + AG1 + WLAN+BT Worse-case>:**

Test Position	AG0	AG1	Wlan/BT worst case	AG0+AG1+wlan +BT worst case(DBS/XBS)
Right Cheek	1.091	0.480	0.234	<b>1.81</b>
Right Tilted	1.027	0.313	0.231	1.57
Left Cheek	1.058	0.360	0.524	<b>1.94</b>
Left Tilted	0.956	0.259	0.373	<b>1.59</b>

Note: The results marked yellow in above table refers to the detailed analysis corresponding to each position below tables.

Right Cheek					
Ant combination	AG1	AG0	Wlan/BT worst case	AG0+AG1+wlan +BT worst case(DBS/XBS)	Note
	SAR	SAR			
Ant0-Ant1	0.480	1.090	0.234	<b>1.80</b>	Case 1
Ant0-Ant4	0.480	1.091	0.234	<b>1.81</b>	Case 2
Ant0-Ant6	0.480	1.088	0.234	<b>1.80</b>	Case 3
Ant0-Ant10	0.480	0.883	0.234	<b>1.60</b>	Case 4
Ant0-Ant12	0.480	0.876	0.234	1.59	-
Ant3-Ant1	0.254	1.090	0.234	1.58	-
Ant3-Ant4	0.254	1.091	0.234	1.58	-
Ant3-Ant6	0.254	1.088	0.234	1.58	-
Ant3-Ant10	0.254	0.883	0.234	1.37	-
Ant3-Ant12	0.254	0.876	0.234	1.36	-

Left Cheek					
Ant combination	AG1	AG0	Wlan/BT worst case	AG0+AG1+wlan+BT worst case(DBS/XBS)	SPLSR
	SAR	SAR			
Ant0-Ant1	0.360	1.058	0.524	1.94	Case 5
Ant0-Ant4	0.360	0.752	0.524	1.64	Case 6
Ant0-Ant6	0.360	0.341	0.524	1.23	-
Ant0-Ant10	0.360	0.702	0.524	1.59	-
Ant0-Ant12	0.360	0.857	0.524	1.74	Case 7
Ant3-Ant1	0.253	1.058	0.524	1.84	Case 8
Ant3-Ant4	0.253	0.752	0.524	1.53	-
Ant3-Ant6	0.253	0.341	0.524	1.12	-
Ant3-Ant10	0.253	0.702	0.524	1.48	-
Ant3-Ant12	0.253	0.857	0.524	1.63	Case 9

<AG0 + WLAN/BT SAR>

NO	1	2	3	4	5	6	7	8	9	10	11	12
Test Position	AG0	WLAN2.4GHz Ant 15+18 (No DBS Simultaneous)	WLAN2.4GHz Ant 15+18 (DBS Simultaneous)	WLAN2.4GHz Ant 15+18 (DBS Standalone)	Bluetooth Ant18(TX BF)	Bluetooth Ant15(TX BF)	WLAN5GHz Ant 17+18 (No DBS Simultaneous)	WLAN5GHz Ant 17+18 (DBS Standalone)	WLAN5GHz Ant 17+18 (DBS Simultaneous)	WLAN6GHz Ant 17+18 (Standalone)	WLAN6GHz Ant 17+18 (Simultaneous)	WLAN6GHz Ant 17+18 (DBS Simultaneous)
Right Cheek	1.091	0.220	0.127	0.325	0.013	0.010	0.205	0.824	0.107	0.465	0.233	0.105
Right Tilted	1.027	0.215	0.126	0.320	0.016	0.004	0.196	0.824	0.105	0.458	0.229	0.094
Left Cheek	1.058	0.501	0.271	0.726	0.142	0.125	0.524	0.824	0.251	0.502	0.280	0.146
Left Tilted	0.956	0.370	0.159	0.550	0.061	0.016	0.372	0.824	0.214	0.635	0.371	0.194

4+8	1+2	1+7	1+3+9	1+9+5+6	4+10	1+10	1+3+12	1+12+5+6
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)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
1.15	1.31	1.30	1.33	1.22	0.79	1.56	1.32	1.22
1.14	1.24	1.22	1.26	1.15	0.78	1.49	1.25	1.14
1.55	1.56	1.58	1.58	1.58	1.23	1.56	1.48	1.47
1.37	1.33	1.33	1.33	1.25	1.19	1.59	1.31	1.23

<AG1 + WLAN/BT SAR>

NO	1	2	3	4	5	6	7	8	9	10	11	12
Test Position	AG1	WLAN2.4GHz Ant 15+18 (No DBS Simultaneous)	WLAN2.4GHz Ant 15+18 (DBS Simultaneous)	WLAN2.4GHz Ant 15+18 (DBS Standalone)	Bluetooth Ant18(TX BF)	Bluetooth Ant15(TX BF)	WLAN5GHz Ant 17+18 (No DBS Simultaneous)	WLAN5GHz Ant 17+18 (DBS Standalone)	WLAN5GHz Ant 17+18 (DBS Simultaneous)	WLAN6GHz Ant 17+18 (Standalone)	WLAN6GHz Ant 17+18 (Simultaneous)	WLAN6GHz Ant 17+18 (DBS Simultaneous)
Right Cheek	0.480	0.220	0.127	0.325	0.013	0.010	0.205	0.824	0.107	0.465	0.233	0.105
Right Tilted	0.313	0.215	0.126	0.320	0.016	0.004	0.196	0.824	0.105	0.458	0.229	0.094
Left Cheek	0.360	0.501	0.271	0.726	0.142	0.125	0.524	0.824	0.251	0.502	0.280	0.146
Left Tilted	0.259	0.370	0.159	0.550	0.061	0.016	0.372	0.824	0.214	0.635	0.371	0.194

4+8	1+2	1+7	1+3+9	1+9+5+6	4+10	1+10	1+3+12	1+12+5+6
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)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
1.15	0.70	0.69	0.71	0.61	0.79	0.95	0.71	0.61
1.14	0.53	0.51	0.54	0.44	0.78	0.77	0.53	0.43
1.55	0.86	0.88	0.88	0.88	1.23	0.86	0.78	0.77
1.37	0.63	0.63	0.63	0.55	1.19	0.89	0.61	0.53



### 17.4 Hotspot Exposure Conditions

<AG0 maximum report SAR>:

Test Position	Ant1	Ant4	Ant6	Ant10	Ant12	MAX
Front	0.663	0.276	0.174	0.211	0.099	0.663
Back	0.693	0.355	0.200	0.472	0.972	<b>0.972</b>
Left Side	0.755	0.151	0.263	0.093	0.146	0.755
Right Side					0.066	0.066
Top Side		0.482	0.078	0.434	0.089	0.482
Bottom Side						

<AG1 maximum report SAR>:

Test Position	Ant3	Ant0	MAX
Front	0.520	0.768	0.768
Back	0.616	0.889	0.889
Left Side	0.194		0.194
Right Side		1.065	<b>1.065</b>
Top Side			
Bottom Side	1.008	0.749	1.008

<WLAN+BT Worst-case SAR>:

NO	1	2	3	4	5	6	2+6	6+3+4	Wlan/BT worst case
Test Position	WLAN2.4GHz Ant 15+18 (No DBS Simultaneous)	WLAN2.4GHz Ant 15+18 (DBS Simultaneous)	Bluetooth Ant18 (TX BF)&SISO	Bluetooth Ant15 (TX BF)&SISO	WLAN5GHz Ant 15+18 (No DBS Simultaneous)	WLAN5GHz Ant 15+18 (DBS Simultaneous)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	
Front	0.314	0.168	0.111	0.059	0.289	0.140	0.308	0.310	0.314
Back	0.475	0.254	0.196	0.077	0.406	0.198	0.452	0.471	0.475
Left Side							0.000	0.000	
Right Side	0.328	0.175	0.095	0.057	0.455	0.232	0.407	0.384	0.455
Top Side	0.243	0.129	0.064	0.043	0.438	0.236	0.365	0.343	0.438
Bottom Side							0.000	0.000	

<AG0 + AG1 + WLAN+BT Worst-case>:

Test Position	AG0	AG1	Wlan/BT worst case	AG0+AG1+wlan +BT worst case(DBS/XBS)
Front	0.663	0.768	0.314	<b>1.75</b>
Back	0.972	0.889	0.475	<b>2.34</b>
Left Side	0.755	0.194		0.95
Right Side	0.066	1.065	0.455	1.59
Top Side	0.482		0.438	0.92
Bottom Side		1.008		1.01

Note: The results marked yellow in above table refers to the detailed analysis corresponding to each position below tables.





Front side					
Ant combination	AG1	AG0	Wlan/BT worst case	AG0+AG1+wlan +BT worst case(DBS/XBS)	SPLSR
	SAR	SAR			
Ant3-Ant1	0.520	0.663	0.314	1.50	-
Ant3-Ant4	0.520	0.276	0.314	1.11	-
Ant3-Ant6	0.520	0.174	0.314	1.01	-
Ant3-Ant10	0.520	0.211	0.314	1.05	-
Ant3-Ant12	0.520	0.099	0.314	0.93	-
Ant0-Ant1	0.768	0.663	0.314	1.75	Case 10
Ant0-Ant4	0.768	0.276	0.314	1.36	-
Ant0-Ant6	0.768	0.174	0.314	1.26	-
Ant0-Ant10	0.768	0.211	0.314	1.29	-
Ant0-Ant12	0.768	0.099	0.314	1.18	-

Back side					
Ant combination	AG1	AG0	Wlan/BT worst case	AG0+AG1+wlan +BT worst case(DBS/XBS)	SPLSR
	SAR	SAR			
Ant3-Ant1	0.616	0.693	0.475	1.78	Case 11
Ant3-Ant4	0.616	0.355	0.475	1.45	-
Ant3-Ant6	0.616	0.200	0.475	1.29	-
Ant3-Ant10	0.616	0.472	0.475	1.56	-
Ant3-Ant12	0.616	0.972	0.475	2.06	Case 12
Ant0-Ant1	0.889	0.693	0.475	2.06	Case 13
Ant0-Ant4	0.889	0.355	0.475	1.72	Case 14
Ant0-Ant6	0.889	0.200	0.475	1.56	-
Ant0-Ant10	0.889	0.472	0.475	1.84	Case 15
Ant0-Ant12	0.889	0.972	0.475	2.34	Case 16

<AG0 + WLAN/BT SAR>

NO	1	2	3	4	5	6	7	8	9	4+8	1+2	1+7	1+3+9	1+9+5+6
Test Position	AG0	WLAN2.4GHz Ant 15+18 (No DBS Simultaneous)	WLAN2.4GHz Ant 15+18 (DBS Simultaneous)	WLAN2.4GHz Ant 15+18 (DBS Standalone)	Bluetooth Ant18 (TX BF)&SISO	Bluetooth Ant15 (TX BF)&SISO	WLAN5GHz Ant 17+18 (No DBS Simultaneous)	WLAN5GHz Ant 17+18 (DBS Standalone)	WLAN5GHz Ant 17+18 (DBS Simultaneous)	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)
Front	0.663	0.314	0.168	0.379	0.111	0.059	0.289	0.289	0.140	0.67	0.98	0.95	0.97	0.97
Back	0.972	0.475	0.254	0.574	0.196	0.077	0.406	0.406	0.198	0.98	1.45	1.38	1.42	1.44
Left Side	0.755									0.00	0.76	0.76	0.76	0.76
Right Side	0.066	0.328	0.175	0.396	0.095	0.057	0.455	0.455	0.232	0.85	0.39	0.52	0.47	0.45
Top Side	0.482	0.243	0.129	0.293	0.064	0.043	0.438	0.438	0.236	0.73	0.73	0.92	0.85	0.83
Bottom Side										0.00	0.00	0.00	0.00	0.00

<AG1 + WLAN/BT SAR>

NO	1	2	3	4	5	6	7	8	9	4+8	1+2	1+7	1+3+9	1+9+5+6
Test Position	AG1	WLAN2.4GHz Ant 15+18 (No DBS Simultaneous)	WLAN2.4GHz Ant 15+18 (DBS Simultaneous)	WLAN2.4GHz Ant 15+18 (DBS Standalone)	Bluetooth Ant18 (TX BF)&SISO	Bluetooth Ant15 (TX BF)&SISO	WLAN5GHz Ant 17+18 (No DBS Simultaneous)	WLAN5GHz Ant 17+18 (DBS Standalone)	WLAN5GHz Ant 17+18 (DBS Simultaneous)	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)
Front	0.768	0.314	0.168	0.379	0.111	0.059	0.289	0.289	0.140	0.67	1.08	1.06	1.08	1.08
Back	0.889	0.475	0.254	0.574	0.196	0.077	0.406	0.406	0.198	0.98	1.36	1.30	1.34	1.36
Left Side	0.194									0.00	0.19	0.19	0.19	0.19
Right Side	1.065	0.328	0.175	0.396	0.095	0.057	0.455	0.455	0.232	0.85	1.39	1.52	1.47	1.45
Top Side		0.243	0.129	0.293	0.064	0.043	0.438	0.438	0.236	0.73	0.24	0.44	0.37	0.34
Bottom Side	1.008									0.00	1.01	1.01	1.01	1.01

### 17.5 Body-Worn Accessory Exposure Conditions

**<AG0 maximum report SAR>:**

Test Position	Ant1	Ant4	Ant6	Ant10	Ant12	MAX
Front	0.799	0.803	0.612	0.464	0.085	0.803
Back	0.836	1.086	0.827	1.017	0.455	<b>1.086</b>

**<AG1 maximum report SAR>:**

Test Position	Ant3	Ant0	MAX
Front	0.551	0.482	0.551
Back	0.576	0.553	<b>0.576</b>

**<WLAN+BT Worse-case SAR>:**

NO	1	2	3	4	5	6	7	2+6	6+3+4	2+7	7+3+4	Wlan/BT worst case
Test Position	WLAN2.4GHz Ant 15+18 (No DBS) Simultaneous	WLAN2.4GHz Ant 15+18 (DBS) Simultaneous	Bluetooth Ant18 (TX) BF&SISO	Bluetooth Ant15 (TX) BF&SISO	WLAN5GHz Ant 15+18 (No DBS) Simultaneous	WLAN5GHz Ant 15+18 (DBS) Simultaneous	WLAN6GHz Ant 15+18 (DBS) Simultaneous	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	
Front	0.204	0.136	0.001	0.001	0.171	0.171	0.112	0.307	0.173	0.248	0.114	0.307
Back	0.271	0.242	0.097	0.060	0.297	0.297	0.161	0.539	0.454	0.403	0.318	0.539

**<AG0 + AG1 + WLAN+BT Worse-case>:**

Test Position	AG0	AG1	Wlan/BT worst case	AG0+AG1+wlan +BT worst case(DBS/XBS)
Front	0.803	0.551	0.307	<b>1.66</b>
Back	1.086	0.576	0.539	<b>2.20</b>

Note: The results marked yellow in above table refers to the detailed analysis corresponding to each position below tables.

Front side					
Ant combination	AG1	AG0	Wlan/BT worst case	AG0+AG1+wlan +BT worst case(DBS/XBS)	SPLSR
	SAR	SAR			
Ant3-Ant1	0.551	0.799	0.307	<b>1.66</b>	Case 17
Ant3-Ant4	0.551	0.803	0.307	<b>1.66</b>	Case 18
Ant3-Ant6	0.551	0.612	0.307	1.47	-
Ant3-Ant10	0.551	0.464	0.307	1.32	-
Ant3-Ant12	0.551	0.085	0.307	0.94	-
Ant0-Ant1	0.482	0.799	0.307	1.59	-
Ant0-Ant4	0.482	0.803	0.307	1.59	-
Ant0-Ant6	0.482	0.612	0.307	1.40	-
Ant0-Ant10	0.482	0.464	0.307	1.25	-
Ant0-Ant12	0.482	0.085	0.307	0.87	-

Back side					
Ant combination	AG1	AG0	Wlan/BT worst case	AG0+AG1+wlan+BT worst case(DBS/XBS)	SPLSR
	SAR	SAR			
Ant3-Ant1	0.576	0.836	0.539	1.95	Case 19
Ant3-Ant4	0.576	1.086	0.539	2.20	Case 20
Ant3-Ant6	0.576	0.827	0.539	1.94	Case 21
Ant3-Ant10	0.576	1.017	0.539	2.13	Case 22
Ant3-Ant12	0.576	0.455	0.539	1.57	-
Ant0-Ant1	0.553	0.836	0.539	1.93	Case 23
Ant0-Ant4	0.553	1.086	0.539	2.18	Case 24
Ant0-Ant6	0.553	0.827	0.539	1.92	Case 25
Ant0-Ant10	0.553	1.017	0.539	2.11	Case 26
Ant0-Ant12	0.553	0.455	0.539	1.55	-

<AG0 + WLAN/BT SAR>

NO	1	2	3	4	5	6	7	8	9	10
Test Position	AG0	WLAN2.4GHz Ant 15+18 (No DBS Simultaneous)	WLAN2.4GHz Ant 15+18 (DBS Simultaneous)	WLAN2.4GHz Ant 15+18 (DBS Standalone)	Bluetooth Ant18 (TX BF)&SISO	Bluetooth Ant15 (TX BF)&SISO	WLAN5GHz Ant 17+18 (No DBS Simultaneous)	WLAN5GHz Ant 17+18 (DBS Standalone)	WLAN5GHz Ant 17+18 (DBS Simultaneous)	WLAN6GHz Ant 17+18 (DBS Simultaneous)
Front 15mm	0.803	0.204	0.136	0.204	0.001	0.001	0.171	0.171	0.171	0.112
Back 15mm	1.086	0.271	0.242	0.271	0.097	0.060	0.297	0.297	0.247	0.161

4+8	1+2	1+7	1+3+9	1+9+5+6	1+3+10	1+10+5+6
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)	Summed 1g SAR (W/kg)
0.38	1.01	0.97	1.11	0.98	1.05	0.92
0.57	1.36	1.38	1.58	1.49	1.49	1.40

<AG1 + WLAN/BT SAR>

NO	1	2	3	4	5	6	7	8	9	10
Test Position	AG1	WLAN2.4GHz Ant 15+18 (No DBS Simultaneous)	WLAN2.4GHz Ant 15+18 (DBS Simultaneous)	WLAN2.4GHz Ant 15+18 (DBS Standalone)	Bluetooth Ant18 (TX BF)&SISO	Bluetooth Ant15 (TX BF)&SISO	WLAN5GHz Ant 17+18 (No DBS Simultaneous)	WLAN5GHz Ant 17+18 (DBS Standalone)	WLAN5GHz Ant 17+18 (DBS Simultaneous)	WLAN6GHz Ant 17+18 (DBS Simultaneous)
Front 15mm	0.551	0.204	0.136	0.204	0.001	0.001	0.171	0.171	0.171	0.112
Back 15mm	0.576	0.271	0.242	0.271	0.097	0.060	0.297	0.297	0.247	0.161

4+8	1+2	1+7	1+3+9	1+9+5+6	1+3+10	1+10+5+6
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)	Summed 1g SAR (W/kg)
0.38	0.76	0.72	0.86	0.72	0.80	0.67
0.57	0.85	0.87	1.07	0.98	0.98	0.89



17.6 Product Specific 10g SAR Exposure Conditions

<WWAN + WLAN SAR>

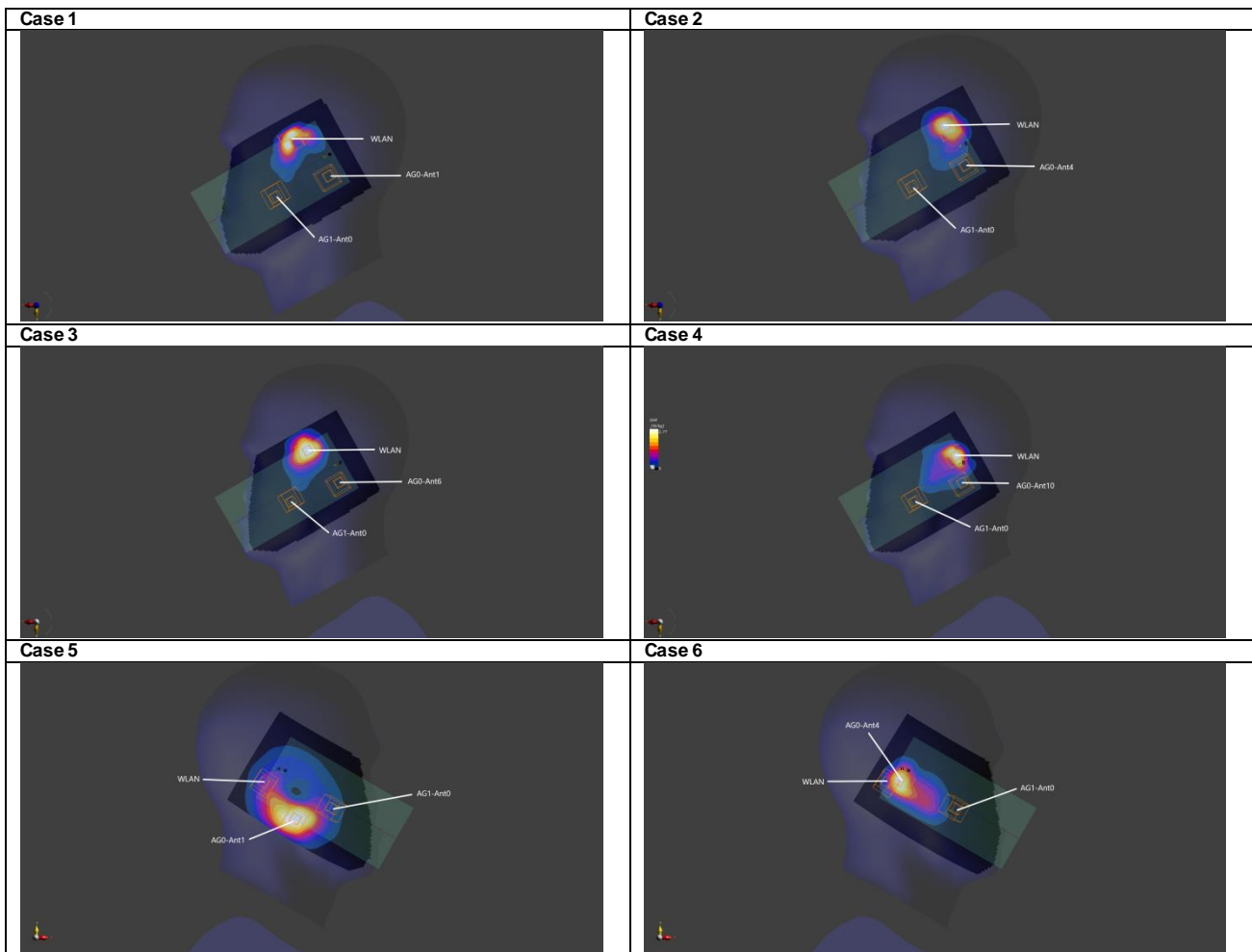
NO	1	2	3	4	1+2+3	1+3+4
Test Position	WWAN AG0	WLAN5GHz High Ant 17+18	WLAN5GHz LOW Ant 17+18	WLAN6GHz Ant 17+18	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)
Front		1.722	1.520	0.357	3.24	1.88
Back	2.569	0.711	0.680	0.202	3.96	3.45
Left Side	2.553		0.049	0.017	2.60	2.62
Right Side		1.932	2.027	0.808	3.96	2.84
Top Side		1.472	1.273	0.540	2.75	1.81
Bottom Side				0.006	0.00	0.01

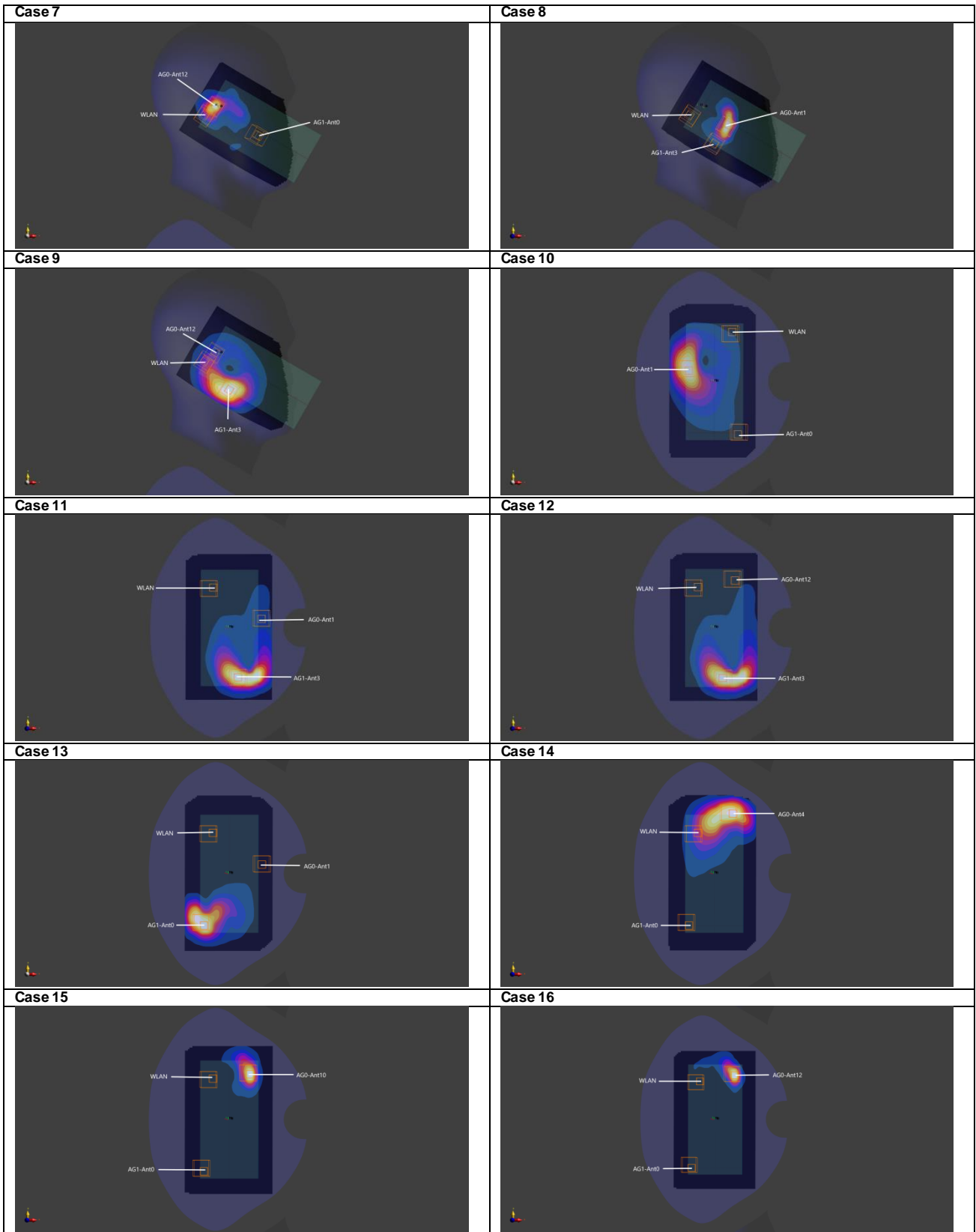


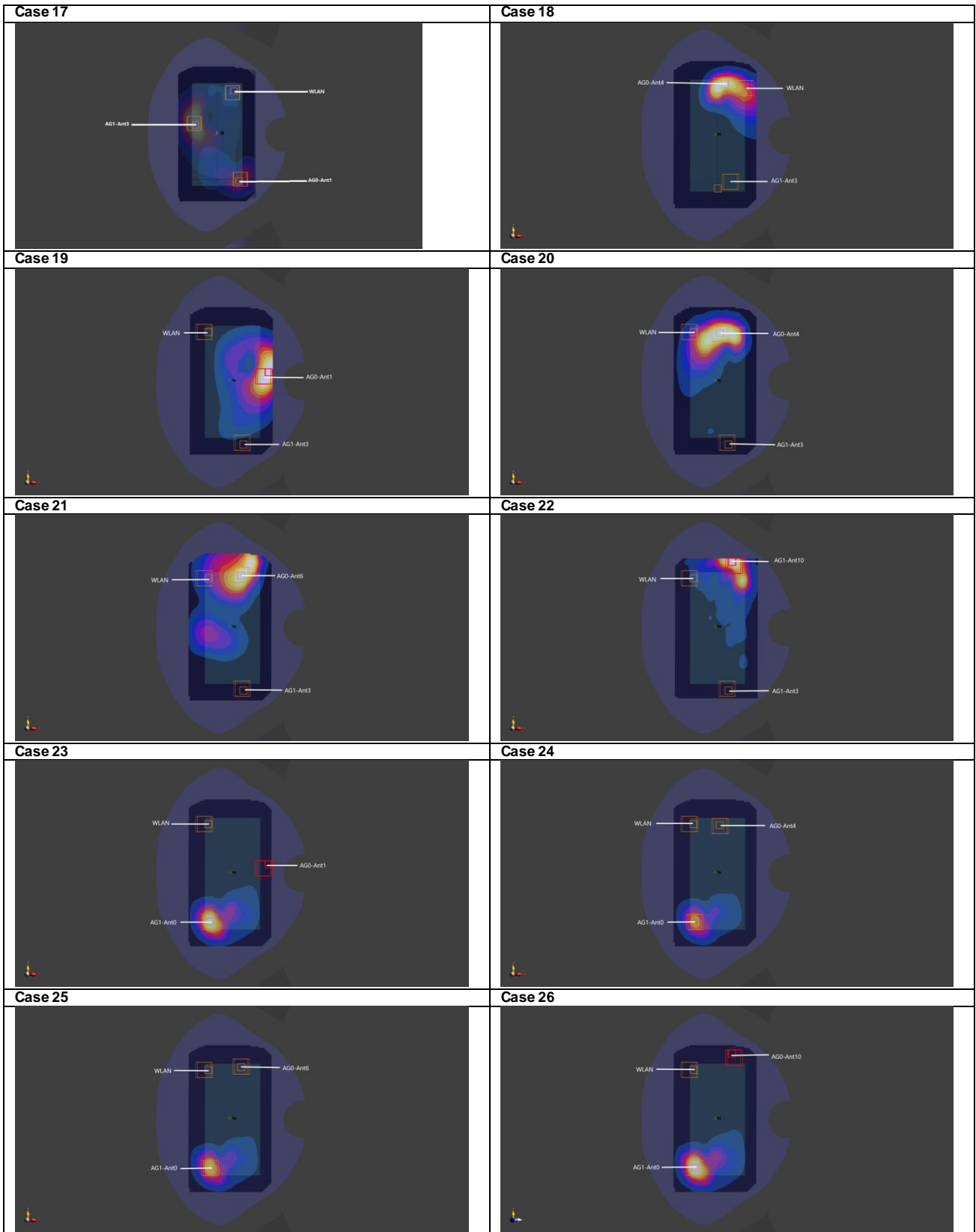
### 17.7 SPLSR Evaluation and Analysis

**General Note:**

1. When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of  $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$ , where  $(x1, y1, z1)$  and  $(x2, y2, z2)$  are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
2.  $SPLSR = (SAR1 + SAR2)1.5 / (\text{min. separation distance, mm})$ . If  $SPLSR \leq 0.04$  for 1g SAR, simultaneously transmission SAR measurement is not necessary.
3. Instead of doing a small volume scan over a co-located antenna pair, used summing the SAR values of the co-located pair and using that value in SPLSR calculation. In the calculation used the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative.
4. Per April 2022 TCB Workshop Notes, AG0 was summed algebraically with the BT/WIFI Antenna 15/17/18 for the purposes of hybrid SPLSR combination and they are located at the Bottom of the device.
5. Per April 2022 TCB Workshop, instead of doing a small volume scan over a co-located antenna pair, used summing the SAR values of the co-located pair and using that value in SPLSR calculation. In the calculation used the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative.
6. The axis peak locations refer to Section 17.8.









<Head>

Case No	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 1	AG1-Ant0	Right Cheek	0.480	0mm	51.5	-257.6	-172.7	61.3	1.80	0.04	Not required
	AG0-Ant1		1.090	0mm	48.2	-318.8	-171.8				
	WLAN		0.234	0mm	26.1	-314.6	-170.4				
Case 2	AG1-Ant0	Right Cheek	0.480	0mm	51.5	-257.6	-172.7	62.4	1.79	0.04	Not required
	AG0-Ant4		1.072	0mm	7.7	-324.8	-169.7				
	WLAN		0.234	0mm	26.1	-314.6	-170.4				
Case 3	AG1-Ant0	Right Cheek	0.480	0mm	51.5	-257.6	-172.7	62.1	1.80	0.04	Not required
	AG0-Ant6		1.083	0mm	38.14	-318.1	-168.6				
	WLAN		0.234	0mm	26.1	-314.6	-170.4				
Case 4	AG1-Ant0	Right Cheek	0.480	0mm	51.5	-257.6	-172.7	62.4	1.60	0.03	Not required
	AG0-Ant10		0.883	0mm	5.4	-321	-169.7				
	WLAN		0.234	0mm	26.1	-314.6	-170.4				

Case No	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 5	AG1-Ant0	Left Cheek	0.360	0mm	58.1	312.9	-171	75.5	1.94	0.04	Not required
	AG0-Ant1		1.058	0mm	43.9	238.3	-171.1				
	WLAN		0.524	0mm	-15.6	329.5	-170.7				
Case 6	AG1-Ant0	Left Cheek	0.360	0mm	58.1	312.9	-171	58.2	1.64	0.04	Not required
	AG0-Ant4		0.752	0mm	1.1	301.2	-169.6				
	WLAN		0.524	0mm	-15.6	329.5	-170.7				
Case 7	AG1-Ant0	Left Cheek	0.360	0mm	58.1	312.9	-171	71.4	1.74	0.03	Not required
	AG0-Ant12		0.857	0mm	-13.2	315.6	-167.4				
	WLAN		0.524	0mm	-15.6	329.5	-170.7				
Case 8	AG1-Ant3	Left Cheek	0.253	0mm	39.6	300.6	-172.3	62.3	1.84	0.04	Not required
	AG0-Ant1		1.058	0mm	43.9	238.3	-171.1				
	WLAN		0.524	0mm	-15.6	329.5	-170.7				
Case 9	AG1-Ant3	Left Cheek	0.253	0mm	39.6	300.6	-172.3	55.1	1.63	0.04	Not required
	AG0-Ant12		0.857	0mm	-13.2	315.6	-167.4				
	WLAN		0.524	0mm	-15.6	329.5	-170.7				



<Hotspot>

Case No	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 10	AG1-Ant0	Front	0.768	10mm	25	-38.9	-203.2	95.4	1.75	0.02	Not required
	AG0-Ant1		0.663	10mm	-55	13	-203.3				
	WLAN		0.314	10mm	15	60.7	-203.4				

Case No	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 11	AG1-Ant3	Back	0.616	10mm	-5	-65.7	-203.2	76.8	1.78	0.03	Not required
	AG0-Ant1		0.693	10mm	20	6.9	-203.3				
	WLAN		0.475	10mm	-55	50.4	-203.4				
Case 12	AG1-Ant3	Back	0.616	10mm	-5	-65.7	-203.2	126.4	2.06	0.02	Not required
	AG0-Ant12		0.972	10mm	15	59.5	-203.3				
	WLAN		0.475	10mm	-55	50.4	-203.4				
Case 13	AG1-Ant0	Back	0.889	10mm	-65	-41.6	-203.4	92.5	2.06	0.03	Not required
	AG0-Ant1		0.693	10mm	20	6.9	-203.3				
	WLAN		0.475	10mm	-55	50.4	-203.4				
Case 14	AG1-Ant0	Back	0.889	10mm	-65	-41.6	-203.4	92.5	1.72	0.02	Not required
	AG0-Ant4		0.355	10mm	-10	69.6	-203.3				
	WLAN		0.475	10mm	-55	50.4	-203.4				
Case 15	AG1-Ant0	Back	0.889	10mm	-65	-41.6	-203.4	92.5	1.84	0.03	Not required
	AG0-Ant10		0.472	10mm	5	63.3	-203.2				
	WLAN		0.475	10mm	-55	50.4	-203.4				
Case 16	AG1-Ant0	Back	0.889	10mm	-65	-41.6	-203.4	92.5	2.34	0.04	Not required
	AG0-Ant12		0.972	10mm	15	59.5	-203.3				
	WLAN		0.475	10mm	-55	50.4	-203.4				





**<Body-worn>**

Case No	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 17	AG1-Ant3	Front	0.551	15mm	-45	-65	-203.2	81.4	1.65	0.03	Not required
	AG0-Ant1		0.799	15mm	-55	15.8	-203.3				
	WLAN		0.296	15mm	15	62.6	-203.2				
Case 18	AG1-Ant3	Front	0.551	15mm	-45	-65	-203.2	138.7	1.65	0.02	Not required
	AG0-Ant4		0.803	15mm	-10	69.2	-203.2				
	WLAN		0.296	15mm	15	62.6	-203.2				

Case No	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 19	AG1-Ant3	Back	0.576	15mm	-5	-61.7	-203.2	73.2	1.85	0.03	Not required
	AG0-Ant1		0.836	15mm	30	2.6	-203.3				
	WLAN		0.433	15mm	-65	63	-203.4				
Case 20	AG1-Ant3	Back	0.576	15mm	-5	-61.7	-203.2	130.2	2.10	0.02	Not required
	AG0-Ant4		1.086	15mm	-10	68.4	-203.2				
	WLAN		0.433	15mm	-65	63	-203.4				
Case 21	AG1-Ant3	Back	0.576	15mm	-5	-61.7	-203.2	103.1	1.84	0.02	Not required
	AG0-Ant6		0.827	15mm	15	39.4	-203.2				
	WLAN		0.433	15mm	-65	63	-203.4				
Case 22	AG1-Ant3	Back	0.576	15mm	-5	-61.7	-203.2	127.7	2.03	0.02	Not required
	AG1-Ant10		1.017	15mm	5	65.6	-203.2				
	WLAN		0.433	15mm	-65	63	-203.4				
Case 23	AG1-Ant0	Back	0.553	15mm	-30	-20	-203.2	64.1	1.82	0.04	Not required
	AG0-Ant1		0.836	15mm	30	2.6	-203.3				
	WLAN		0.433	15mm	-65	63	-203.4				
Case 24	AG1-Ant0	Back	0.553	15mm	-30	-20	-203.2	90.1	2.07	0.03	Not required
	AG0-Ant4		1.086	15mm	-10	68.4	-203.2				
	WLAN		0.433	15mm	-65	63	-203.4				
Case 25	AG1-Ant0	Back	0.553	15mm	-30	-20	-203.2	74.5	1.81	0.03	Not required
	AG0-Ant6		0.827	15mm	15	39.4	-203.2				
	WLAN		0.433	15mm	-65	63	-203.4				
Case 26	AG1-Ant0	Back	0.553	15mm	-30	-20	-203.2	90.1	2.00	0.03	Not required
	AG0-Ant10		1.017	15mm	5	65.6	-203.2				
	WLAN		0.433	15mm	-65	63	-203.4				



### 17.8 Maximum Report SAR And SAR Peak Locations

**General Note:**

1. The maximum report SAR and SAR Peak Locations corresponding to each position of each frequency band of each antenna in the below tables are as follows.
2. The unit of SAR evaluation is W/kg. The unit of x, y, z with Axis evaluation is mm.

<Head>

Right Cheek								
BT Ant15	SAR	0.007	WLAN2.4G MIMO	SAR	0.325			
	Axis	X:-4.3Y:-322.6Z:-170.4		Axis	X:2.8Y:-322.7Z:-166.1			
BT Ant18	SAR	0.008	WLAN5G MIMO	SAR	0.44	WLAN6E MIMO	SAR	0.233
	Axis	X:26.1Y:-314.6Z:-170.4		Axis	X:2.8Y:-322.7Z:-166.1		Axis	X:-5.1Y:-318.2Z:-170.1

Left Cheek								
BT Ant15	SAR	0.029	WLAN2.4G MIMO	SAR	0.726			
	Axis	X:13.9Y:329.6Z:-170.4		Axis	X17.7Y336.7Z:-170.3			
BT Ant18	SAR	0.09	WLAN5G MIMO	SAR	1.081	WLAN6E MIMO	SAR	0.28
	Axis	X:38.5Y:335.6Z:-170.4		Axis	X:-15.6Y329.5Z:-170.7		Axis	X:25.5Y:331.7Z:-170.4

Right Cheek								
Band		Ant3	Ant0	Ant1	Ant4	Ant6	Ant10	Ant12
WCDMA V	SAR		0.196	0.565				
	Axis		X:50.5 Y:-256 Z:-172.2	X:67.7 Y:-324.4 Z:-167.7				
LTE Band 2	SAR					1.083		
	Axis					X:38.1 Y:-318.1 Z:-168.6		
LTE Band 4	SAR	0.254	0.053		0.994	1.021		
	Axis	X:59.8 Y:-243.2 Z:-168.2	X:85.3 Y:-212 Z:-147.8		X:6.5 Y:-326.1 Z:-169.8	X:45.1 Y:-337.1 Z:-169.6		
LTE Band 5	SAR			0.843				
	Axis			X:66.5 Y:-325.1 Z:-167.2				
LTE Band 7	SAR	0.216	0.322		0.969	0.751		
	Axis	X:65.7 Y:-297 Z:-170.2	X:53.3 Y:-247 Z:-170.3		X:11.4 Y:-328.9 Z:-170.3	X:6 Y:-333.1 Z:-170.5		
LTE Band 12	SAR		0.196	0.266				
	Axis		X:54.1 Y:-251 Z:-172.4	X:67.2 Y:-324.7 Z:-167.2				
LTE Band 13	SAR		0.257	0.504				
	Axis		X:51.3 Y:-251.5 Z:-172	X:68.8 Y:-323.8 Z:-166.7				
LTE Band 17	SAR			0.845				
	Axis			X:68.3 Y:-324.1 Z:-166.8				
LTE Band 25	SAR	0.162			0.878			
	Axis	X:56.2 Y:-245.3 Z:-169.3			X:21.2 Y:-334.8 Z:-170.6			
LTE Band 26	SAR		0.423	0.486				
	Axis		X:51.5 Y:-257.6 Z:-172.7	X:67.7 Y:-324.4 Z:-167.7				
LTE Band 66	SAR	0.192	0.07		0.967	1.045		
	Axis	X:60.8 Y:-242.6 Z:-167.9	X:93 Y:-207.8 Z:-141.6		X:5.4 Y:-326.7 Z:-169.7	X:44.3 Y:-338.2 Z:-169.6		
LTE Band 38	SAR				0.794	0.662		
	Axis				X:13.5 Y:-327.7 Z:-170.5	X:49.6 Y:-329.3 Z:-170.4		
LTE Band 41	SAR	0.072	0.243		0.832	0.714		
	Axis	X:62.7 Y:-298.8 Z:-170.8	X:53.3 Y:-247 Z:-170.3		X:11.4 Y:-328.9 Z:-170.3	X:48 Y:-330.3 Z:-170.5		
LTE Band 42	SAR	0.067		0.264			0.794	0.396
	Axis	X:114.9 Y:-233.7 Z:-126.6		X:48.2 Y:-318.8 Z:-171.8			X:1.6 Y:-323.2 Z:-169.2	X:56.5 Y:-325.3 Z:-169.8
LTE Band 48	SAR	0.02		0.878			0.813	0.09
	Axis	X:106.9 Y:-312.5 Z:-130.3		X:42.6 Y:-333.6 Z:-170.6			X:1.5 Y:-323.2 Z:-169.1	X:56.4 Y:-325.3 Z:-169.8
FR1 n5	SAR		0.48	0.629				



	Axis		X:52.6 Y:-251.9 Z:-172.7	X:67.7 Y:-324.4 Z:-167				
FR1 n7	SAR	0.193	0.172		0.933	0.66		
	Axis	X:48.1 Y:-250.3 Z:-171.1	X:53.4 Y:-247 Z:-170.3		X:17.1 Y:-325.6 Z:-170.9	X:50.3 Y:-328.9 Z:-170.4		
FR1 n66	SAR	0.236	0.1		1.072	0.914		
	Axis	X:61.7 Y:-242.1 Z:-167.7	X:89.9 Y:-209.5 Z:-144.2		X:20.4 Y:-335.2 Z:-170.5	X:41.2 Y:-340 Z:-169.7		
FR1 n38	SAR					0.585		
	Axis					X:39 Y:-335.7 Z:-170.5		
FR1 n41	SAR	0.221	0.396		1.009	0.599		
	Axis	X:51.5 Y:-248.1 Z:-170.7	X:51.5 Y:-248.1 Z:-170.7		X:13.4 Y:-327.8 Z:-170.5	X:47.7 Y:-330.5 Z:-170.5		
FR1 n71	SAR		0.13	0.566				
	Axis		X:58.7 Y:-257.1 Z:-170.9	X:64.4 Y:-326.3 Z:-167.7				
FR1 n77	SAR	0.066		1.09			0.761	0.876
	Axis	X:113.8 Y:-232.7 Z:-126.5		X:46.8 Y:-319.6 Z:-171.9			X:5.4 Y:-321 Z:-169.7	X:5.2 Y:-321.1 Z:-169.7
FR1 n78	SAR	0.096		1.062			0.883	0.771
	Axis	X:55.8 Y:-302.9 Z:-172.1		X:46.3 Y:-319.9 Z:-171.9			X:4.2 Y:-321.7 Z:-169.7	X:57.3 Y:-324.8 Z:-169.8

Left Cheek								
Band		Ant3	Ant0	Ant1	Ant4	Ant6	Ant10	Ant12
GSM850 4TX	SAR		0.134	0.56				
	Axis		X:54.4 Y:298 Z:-172.4	X:43.9 Y:238.3 Z:-171.1				
GSM1900 4TX	SAR	0.001			0.376			
	Axis	X:34.7 Y:275.8 Z:-169.2			X:8.1 Y:307.9 Z:-169.6			
WCDMA II	SAR	0.07			0.441			
	Axis	X:33.2 Y:277.1 Z:-170.2			X:7.9 Y:308.2 Z:-169.6			
WCDMA IV	SAR	0.101	0.062		0.596	NA		
	Axis	X:35 Y:266 Z:-169.8	X:64.6 Y:257.6 Z:-169.2		X:8.6 Y:307.8 Z:-169.6	NA		
WCDMA V	SAR		0.166	0.842				
	Axis		X:56 Y:279.9 Z:-172.3	X:39.3 Y:255.7 Z:-170.9				
LTE Band 2	SAR					NA		
	Axis					NA		
LTE Band 4	SAR	0.181	0.083		0.647	NA		
	Axis	X:31.9 Y:271.9 Z:-167.5	X:64.6 Y:257.6 Z:-169.2		X:10.4 Y:306.7 Z:-169.6	NA		
LTE Band 5	SAR			1.058				
	Axis			X:38.5 Y:256.2 Z:-170.8				
LTE Band 7	SAR	0.139	0.24		0.560	NA		
	Axis	X:39.9 Y:271.9 Z:-170.8	X:61.3 Y:311 Z:-170.5		X:1.1 Y:301.2 Z:-169.6	NA		
LTE Band 12	SAR		0.185	0.484				
	Axis		X:49.7 Y:266.4 Z:-172.2	X:41.6 Y:254.3 Z:-171				
LTE Band 13	SAR		0.169	0.873				
	Axis		X:56.8 Y:262.2 Z:-171.2	X:38.9 Y:256 Z:-170.9				
LTE Band 17	SAR			1.048				
	Axis			X:39 Y:255.9 Z:-170.9				
LTE Band 25	SAR	0.139			0.473			
	Axis	X:32.6 Y:271.5 Z:-167.2			X:8.1 Y:308 Z:-169.6			
LTE Band 26	SAR		0.231	0.793				
	Axis		X:55 Y:280.5 Z:-172.3	X:39.8 Y:255.4 Z:-170.9				
LTE Band 66	SAR	0.144	0.081		0.553	NA		
	Axis	X:38.4 Y:273.9 Z:-168.6	X:62.3 Y:258.9 Z:-170		X:8.9 Y:307.6 Z:-169.6	NA		
LTE Band 38	SAR				0.5	NA		
	Axis				X:6.7 Y:307.3 Z:-169.6	NA		
LTE Band 41	SAR	0.077	0.14		0.448	NA		
	Axis	X:39.9 Y:280.6 Z:-171.9	X:58.1 Y:312.9 Z:-171		X:8.1 Y:308.1 Z:-169.6	NA		
LTE Band 42	SAR	0.069		0.243			NA	0.303
	Axis	X:39.6 Y:300.6 Z:-172.3		X:46.7 Y:262.5 Z:-172.3			NA	X:-13.2 Y:315.6 Z:-167.4
LTE Band 48	SAR	0.031		0.407			NA	0.132



FR1 n5	Axis	X:37.2 Y:282.2 Z:-172.3		X:44.7 Y:263.7 Z:-172.3		NA	X:-13.2 Y:318.7 Z:-167.4
	SAR		0.36	0.766			
FR1 n7	Axis		X:55.5 Y:263 Z:-171.6	X:39.3 Y:255.7 Z:-170.9			
	SAR	0.235	0.126		0.752	NA	
FR1 n66	Axis	X:31.3 Y:273.8 Z:-169.7	X:67.7 Y:307.2 Z:-169.1		X:-1.4 Y:302.1 Z:-167.6	NA	
	SAR	0.218	0.128		0.474	NA	
FR1 n38	Axis	X:30.6 Y:278.7 Z:-170.7	X:61.3 Y:259.5 Z:-170.3		X:3.2 Y:305.3 Z:-167.6	NA	
	SAR					NA	
FR1 n41	Axis					NA	
	SAR	0.253	0.244		0.473	NA	
FR1 n71	Axis	X:36 Y:276.9 Z:-171.1	X:65.7 Y:308.3 Z:-169.6		X:5.5 Y:304.1 Z:-167.6	NA	
	SAR		0.117	0.709			
FR1 n77	Axis		X:66.2 Y:273.8 Z:-170.8	X:38.2 Y:256.4 Z:-170.8			
	SAR	0.103		0.343		NA	0.857
FR1 n78	Axis	X:35.2 Y:273.4 Z:-172.3		X:44.1 Y:264 Z:-172.3		NA	X:0.6 Y:317.4 Z:-168.8
	SAR	0.111		0.351		NA	0.541
FR1 n78	Axis	X:35 Y:272.2 Z:-171.3		X:43.6 Y:264.3 Z:-172.3		NA	X:2.5 Y:316.3 Z:-168.8

<Hotspot>

Front side					
BT Ant15	SAR	0.06	WLAN2.4G MIMO	SAR	0.379
	Axis	X:5 Y:71.3 Z:-203.2		Axis	X:15 Y:60.7 Z:-203.4
BT Ant18	SAR	0.1	WLAN5G MIMO	SAR	0.289
	Axis	X:15 Y:66.4 Z:-203.2		Axis	X:5.0 Y:71.6 Z:-203.4

Back Side					
BT Ant15	SAR	0.078	WLAN2.4G MIMO	SAR	0.574
	Axis	X:45 Y:81.2 Z:-203.2		Axis	X:55 Y:50.4 Z:-203.4
BT Ant18	SAR	0.178	WLAN5G MIMO	SAR	0.406
	Axis	X:55 Y:68.1 Z:-203.2		Axis	X:55 Y:76.8 Z:-203.4

Front side								
Band		Ant3	Ant0	Ant1	Ant4	Ant6	Ant10	Ant12
GSM850 4TX	SAR		0.331	0.371				
	Axis		X:5 Y:-61.4 Z:-203.2	X:-55 Y:20 Z:-203.3				
GSM1900 4TX	SAR	NA			NA			
	Axis	NA			NA			
WCDMA II	SAR	NA			NA			
	Axis	NA			NA			
WCDMA IV	SAR	NA	0.428		NA	NA		
	Axis	NA	X:20 Y:-73.4 Z:-203.2		NA	NA		
WCDMA V	SAR		0.399	0.663				
	Axis		X:-10 Y:-72.9 Z:-203.2	X:-55 Y:19.7 Z:-203.3				
LTE Band 2	SAR	NA				NA		
	Axis	NA				NA		
LTE Band 4	SAR	NA	0.768		NA	NA		
	Axis	NA	X:5 Y:-79 Z:-203.3		NA	NA		
LTE Band 5	SAR			0.588				
	Axis			X:-55 Y:18.8 Z:-203.3				
LTE Band 7	SAR	NA	0.163		NA	NA		
	Axis	NA	X:15 Y:-46.4 Z:-203.3		NA	NA		
LTE Band 12	SAR		0.148	0.439				
	Axis		X:5 Y:-63.7 Z:-203.2	X:-55 Y:13 Z:-203.3				
LTE Band 13	SAR		0.338	0.554				
	Axis		X:5 Y:-66.5 Z:-203.2	X:-55 Y:16.6 Z:-203.3				



LTE Band 17	SAR			0.587				
	Axis			X:-55 Y:17.6 Z:-203.3				
LTE Band 25	SAR	NA			NA			
	Axis	NA			NA			
LTE Band 26	SAR		0.357	0.427				
	Axis		X:5 Y:-75.2 Z:-203.2	X:-55 Y:18.2 Z:-203.3				
LTE Band 66	SAR	NA	0.605		NA	NA		
	Axis	NA	X:5 Y:-78.1 Z:-203.3		NA	NA		
LTE Band 38	SAR				NA	NA		
	Axis				NA	NA		
LTE Band 41	SAR	NA	0.329		NA	NA		
	Axis	NA	X:15 Y:-47.6 Z:-203.3		NA	NA		
LTE Band 42	SAR	NA		0.107			NA	NA
	Axis	NA		X:-45 Y:47.2 Z:-203.3			NA	NA
LTE Band 48	SAR	NA		0.088			NA	NA
	Axis	NA		X:-55 Y:66.6 Z:-203.3			NA	NA
FR1 n5	SAR		0.386	0.512				
	Axis		X:5 Y:-64.5 Z:-203.3	X:-70 Y:16.9 Z:-203.3				
FR1 n7	SAR	NA	0.239		NA	NA		
	Axis	NA	X:25 Y:-38.9 Z:-203.2		NA	NA		
FR1 n66	SAR	NA	0.503		NA	NA		
	Axis	NA	X:5 Y:-72.5 Z:-203.3		NA	NA		
FR1 n38	SAR					NA		
	Axis					NA		
FR1 n41	SAR	NA	0.259		NA	NA		
	Axis	NA	X:15 Y:-40.7 Z:-203.3		NA	NA		
FR1 n71	SAR		0.281	0.276				
	Axis		X:5 Y:-55.1 Z:-203.3	X:-70 Y:20.5 Z:-203.3				
FR1 n77	SAR	NA		0.256			NA	NA
	Axis	NA		X:-45 Y:44.4 Z:-203.4			NA	NA
FR1 n78	SAR	NA		0.122			NA	NA
	Axis	NA		X:-45 Y:41.1 Z:-203.4			NA	NA

Back side								
Band		Ant3	Ant0	Ant1	Ant4	Ant6	Ant10	Ant12
GSM850 4TX	SAR		0.367	0.44				
	Axis		X:-55 Y:-73.3 Z:-203.2	X:20 Y:8.4 Z:-203.3				
GSM1900 4TX	SAR	0.319			0.229			
	Axis	X:-10 Y:-81.9 Z:-203.2			X:5 Y:79.2 Z:-203.3			
WCDMA II	SAR	0.392			0.355			
	Axis	X:-10 Y:-81.6Z:-203.2			X:5 Y:78.8 Z:-203.3			
WCDMA IV	SAR	0.456	0.493		0.281	NA		
	Axis	X:-10 Y:-82.5 Z:-203.2	X:-55 Y:-72.1 Z:-203.2		X:-10 Y:69.6 Z:-203.3	NA		
WCDMA V	SAR		0.437	0.693				
	Axis		X:-40 Y:-69.5 Z:-203.2	X:20 Y:6.9 Z:-203.3				
LTE Band 2	SAR	0.435					NA	
	Axis	X:5 Y:-86.3 Z:-203.2					NA	
LTE Band 4	SAR	0.48	0.889		0.254	NA		
	Axis	X:5 Y:-84.5 Z:-203.2	X:-55 Y:-71.7 Z:-203.3		X:-10 Y:75.6 Z:-203.3	NA		
LTE Band 5	SAR			0.601				
	Axis			X:20 Y:14.1 Z:-203.2				
LTE Band 7	SAR	0.187	0.159		0.145	NA		
	Axis	X:5 Y:-80.9 Z:-203.2	X:-35 Y:-83.2 Z:-203.3		X:5 Y:75 Z:-203.3	NA		
LTE Band 12	SAR		0.158	0.446				
	Axis		X:-40 Y:-72.7 Z:-203.2	X:20 Y:14.7 Z:-203.2				
LTE Band 13	SAR		0.334	0.565				





	Axis		X:-40 Y:-67.7 Z:-203.2	X:20 Y:13.8 Z:-203.2				
LTE Band 17	SAR			0.591				
	Axis			X:20 Y:12.6 Z:-203.2				
LTE Band 25	SAR	0.32			0.224			
	Axis	X:5 Y:-85.1 Z:-203.2			X:5 Y:77.6 Z:-203.3			
LTE Band 26	SAR		0.387	0.444				
	Axis		X:-40 Y:-78.5 Z:-203.2	X:5 Y:62.1 Z:-203.2				
LTE Band 66	SAR	0.502	0.727		0.33	NA		
	Axis	X:5 Y:-86.3 Z:-203.2	X:-55 Y:-72.4 Z:-203.3		X:-10 Y:74.7 Z:-203.3	NA		
LTE Band 38	SAR				0.15	NA		
	Axis				X:5 Y:75.3 Z:-203.3	NA		
LTE Band 41	SAR	0.19	0.282		0.215	NA		
	Axis	X:5 Y:-84.2 Z:-203.2	X:-65 Y:-46.1 Z:-203.3		X:5 Y:76.8 Z:-203.3	NA		
LTE Band 42	SAR	0.616		0.197			0.337	0.82
	Axis	X:-5 Y:-66.3 Z:-203.3		X:5 Y:62.1 Z:-203.2		X:-5 Y:67.2 Z:-203.2	X:15 Y:59.5 Z:-203.3	
LTE Band 48	SAR	0.385		0.184			0.357	0.749
	Axis	X:-5 Y:-65.7 Z:-203.3		X:5 Y:69.6 Z:-203.2		X:-5 Y:65.4 Z:-203.2	X:15 Y:59.5 Z:-203.3	
FR1 n5	SAR		0.399	0.54				
	Axis		X:-40 Y:-65.3 Z:-203.4	X:20 Y:18.3 Z:-203.4				
FR1 n7	SAR	0.203	0.209		0.225	NA		
	Axis	X:-15 Y:-77 Z:-203.4	X:-65 Y:-41.9 Z:-203.4		X:5 Y:72.6 Z:-203.4	NA		
FR1 n66	SAR	0.507	0.58		0.265	NA		
	Axis	X:-10 Y:-80.7 Z:-203.4	X:-55 Y:-70.7 Z:-203.4		X:5 Y:78.7 Z:-203.4	NA		
FR1 n38	SAR					NA		
	Axis					NA		
FR1 n41	SAR	0.23	0.245		0.299	NA		
	Axis	X:-5 Y:-78.2 Z:-203.3	X:-65 Y:-41.6 Z:-203.4		X:5 Y:71 Z:-203.4	NA		
FR1 n71	SAR		0.284	0.301				
	Axis		X:-40 Y:-50.6 Z:-203.4	X:20 Y:16.2 Z:-203.4				
FR1 n77	SAR	0.425		0.189			0.313	0.972
	Axis	X:-5 Y:-69.6 Z:-203.3		X:16 Y:42.7 Z:-203.3		X:-5 Y:87.4 Z:-203.2	X:5 Y:63 Z:-203.2	
FR1 n78	SAR	0.422		0.155			0.472	0.803
	Axis	X:-5 Y:-66.3 Z:-203.3		X:5 Y:71.4 Z:-203.2		X:5 Y:63.3 Z:-203.2	X:5 Y:64.5 Z:-203.2	



<Body-worn>

Front side								
BT Ant15	SAR	0.001	WLAN2.4G MIMO	SAR	0.204	WLAN6E MIMO	SAR	0.112
	Axis	X:5 Y:67.8 Z:-203.2		Axis	X35Y75.4Z-203.4		Axis	X:20 Y:73.6 Z:-204.1
BT Ant18	SAR	0.001	WLAN5G MIMO	Axis	0.21			
	Axis	X:15 Y:62.6 Z:-203.2			X5.0Y70.5Z-203.4			

Back Side								
BT Ant15	SAR	0.061	WLAN2.4G MIMO	SAR	0.271	WLAN6E MIMO	SAR	0.161
	Axis	X:-45 Y:74.1 Z:-203.2		Axis	X-65Y63.0Z-203.4		Axis	X:-55 Y:68.3 Z:-203.2
BT Ant18	SAR	0.088	WLAN5G MIMO	SAR	0.297			
	Axis	X:-55 Y:64.3 Z:-203.2		Axis	X-65Y64Z-203.4			

Front side								
Band		Ant3	Ant0	Ant1	Ant4	Ant6	Ant10	Ant12
GSM850 4TX	SAR		NA	0.539				
	Axis		NA	X:-55 Y:20.8 Z:-203.3				
GSM1900 4TX	SAR	0.089			0.161			
	Axis	X:-10 Y:-74.1 Z:-203.2			X:-40 Y:81.7 Z:-203.2			
WCDMA II	SAR	0.399			0.71			
	Axis	X:-25 Y:-73.6 Z:-203.2			X:-40 Y:82.3 Z:-203.2			
WCDMA IV	SAR	0.551	NA		0.791	NA		
	Axis	X:-25 Y:-75.5 Z:-203.2	NA		X:-10 Y:69.5 Z:-203.2	NA		
WCDMA V	SAR		NA	0.531				
	Axis		NA	X:-55 Y:15.8 Z:-203.3				
LTE Band 2	SAR					NA		
	Axis					NA		
LTE Band 4	SAR	0.4	NA		0.803	NA		
	Axis	X:-10 Y:-75.9 Z:-203.2	NA		X:-10 Y:70.4 Z:-203.3	NA		
LTE Band 5	SAR							
	Axis							
LTE Band 7	SAR	0.5	NA		0.644	NA		
	Axis	X:-5 Y:-77 Z:-203.2	NA		X:-35 Y:79.3 Z:-203.3	NA		
LTE Band 12	SAR		NA	0.298				
	Axis		NA	X:-70 Y:21.4 Z:-203.3				
LTE Band 13	SAR		NA	0.725				
	Axis		NA	X:-70 Y:22 Z:-203.3				
LTE Band 17	SAR							
	Axis							
LTE Band 25	SAR	0.458			0.507			
	Axis	X:-10 Y:-74.2 Z:-203.2			X:-55 Y:82.1 Z:-203.3			
LTE Band 26	SAR		NA	0.626				
	Axis		NA	X:-70 Y:17.8 Z:-203.3				
LTE Band 66	SAR	0.401	NA		0.766	NA		
	Axis	X:-25 Y:-90.7 Z:-203.2	NA		X:-10 Y:69.2 Z:-203.3	NA		
LTE Band 38	SAR				0.223	NA		
	Axis				X:-35 Y:79.3 Z:-203.3	NA		
LTE Band 41	SAR	0.286	NA		0.501	NA		
	Axis	X:-5 Y:-80.9 Z:-203.2	NA		X:-35 Y:82.6 Z:-203.3	NA		
LTE Band 42	SAR	0.168		0.123			NA	NA
	Axis	X:-45 Y:-77.1 Z:-203.2		X:-45 Y:38.7 Z:-203.3			NA	NA
LTE Band 48	SAR	0.15		0.059			NA	NA
	Axis	X:-45 Y:-75.6 Z:-203.2		X:-55 Y:68.4 Z:-203.3			NA	NA
FR1 n5	SAR		NA	0.799				
	Axis		NA	X:-70 Y:21.5 Z:-203.2				



FR1 n7	SAR	0.467	NA		0.772	NA		
	Axis	X:-10 Y:-75.1 Z:-203.2	NA		X:-45 Y:77.7 Z:-203.2	NA		
FR1 n66	SAR	0.495	NA		0.729	NA		
	Axis	X:-25 Y:-70 Z:-203.2	NA		X:-55 Y:79.7 Z:-203.2	NA		
FR1 n38	SAR					NA		
	Axis					NA		
FR1 n41	SAR	0.418	NA		0.665	NA		
	Axis	X:-15 Y:-76.1 Z:-203.2	NA		X:-45 Y:83 Z:-203.2	NA		
FR1 n71	SAR		NA	0.139				
	Axis		NA	X:-70 Y:21.7 Z:-203.2				
FR1 n77	SAR	0.312		0.207			NA	NA
	Axis	X:-45 Y:-65.1 Z:-203.2		X:-35 Y:26.2 Z:-203.3			NA	NA
FR1 n78	SAR	0.27		0.287			NA	NA
	Axis	X:-45 Y:-65.4 Z:-203.2		X:-45 Y:37.2 Z:-203.3			NA	NA

Back side								
Band		Ant3	Ant0	Ant1	Ant4	Ant6	Ant10	Ant12
GSM850 4TX	SAR		0.217	0.577				
	Axis		X:-30 Y:-21.9 Z:-203.2	X:30 Y:7.2 Z:-203.3				
GSM1900 4TX	SAR	0.091			0.192			
	Axis	X:-10 Y:-81.6 Z:-203.2			X:-10 Y:72.7 Z:-203.3			
WCDMA II	SAR	0.411			0.855			
	Axis	X:-10 Y:-84.7 Z:-203.2			X:-10 Y:73.8 Z:-203.3			
WCDMA IV	SAR	0.576	0.357		1.086	0.636		
	Axis	X:-10 Y:-83.1 Z:-203.2	X:-55 Y:-69.7 Z:-203.2		X:-10 Y:68.4 Z:-203.3	X:20 Y:43.2 Z:-203.3		
WCDMA V	SAR		0.335	0.545				
	Axis		X:-30 Y:-20 Z:-203.2	X:35 Y:14.9 Z:-203.3				
LTE Band 2	SAR					0.827		
	Axis					X:-10 Y:74.4 Z:-203.3		
LTE Band 4	SAR	0.439	0.505		1.061	0.402		
	Axis	X:-10 Y:-82.8 Z:-203.2	X:-55 Y:-77.2 Z:-203.3		X:-25 Y:72.4 Z:-203.3	X:20 Y:45.9 Z:-203.3		
LTE Band 5	SAR							
	Axis							
LTE Band 7	SAR	0.525	0.175		0.758	0.359		
	Axis	X:-5 Y:-74.6 Z:-203.2	X:-35 Y:-88.9 Z:-203.3		X:5 Y:83.1 Z:-203.3	X:25 Y:48.1 Z:-203.3		
LTE Band 12	SAR		0.257	0.311				
	Axis		X:-30 Y:-23.5 Z:-203.2	X:30 Y:2.6 Z:-203.3				
LTE Band 13	SAR		0.332	0.741				
	Axis		X:-30 Y:-22.2 Z:-203.2	X:30 Y:3 Z:-203.3				
LTE Band 17	SAR							
	Axis							
LTE Band 25	SAR	0.473			0.666			
	Axis	X:-10 Y:-80.1 Z:-203.2			X:-10 Y:75 Z:-203.3			
LTE Band 26	SAR		0.328	0.654				
	Axis		X:-30 Y:-23.9 Z:-203.2	X:20 Y:5.7 Z:-203.3				
LTE Band 66	SAR	0.424	0.369		1.014	0.408		
	Axis	X:-10 Y:-81.6 Z:-203.2	X:-55 Y:-73.6 Z:-203.3		X:-25 Y:73.7 Z:-203.3	X:20 Y:41.3 Z:-203.3		
LTE Band 38	SAR				0.341	0.445		
	Axis				X:15 Y:77.3 Z:-203.3	X:25 Y:40.2 Z:-203.3		
LTE Band 41	SAR	0.293	0.094		0.566	0.359		
	Axis	X:-15 Y:-80.1 Z:-203.2	X:-65 Y:-49.1 Z:-203.3		X:5 Y:84.3 Z:-203.3	X:25 Y:39.7 Z:-203.3		
LTE Band 42	SAR	0.259		0.217			0.385	NA
	Axis	X:-5 Y:-76.7 Z:-203.2		X:15 Y:63.7 Z:-203.3			X:-5 Y:68.1 Z:-203.2	NA
LTE Band 48	SAR	0.231		0.102			0.307	NA
	Axis	X:-5 Y:-76.7 Z:-203.2		X:15 Y:68.8 Z:-203.3			X:-5 Y:67.3 Z:-203.2	NA



FR1 n5	SAR		0.495	0.836				
	Axis		X:-30 Y:-27.7 Z:-203.2	X:30 Y:15.9 Z:-203.2				
FR1 n7	SAR	0.568	0.187		0.886	0.413		
	Axis	X:-15 Y:-76.9 Z:-203.2	X:-65 Y:-36.5 Z:-203.2		X:5 Y:72.2 Z:-203.2	X:15 Y:39.4 Z:-203.2		
FR1 n66	SAR	0.499	0.553		0.94	0.245		
	Axis	X:-10 Y:-83.1 Z:-203.2	X:-55 Y:-70.6 Z:-203.2		X:5 Y:78.4 Z:-203.2	X:5 Y:41.2 Z:-203.2		
FR1 n38	SAR					0.3		
	Axis					X:15 Y:40.3 Z:-203.2		
FR1 n41	SAR	0.525	0.177		0.905	0.301		
	Axis	X:-15 Y:-79.4 Z:-203.2	X:-65 Y:-39.8 Z:-203.2		X:5 Y:68.6 Z:-203.2	X:15 Y:41.1 Z:-203.2		
FR1 n71	SAR		0.21	0.158				
	Axis		X:-40 Y:-47.2 Z:-203.2	X:30 Y:16.8 Z:-203.2				
FR1 n77	SAR	0.501		0.154			1.017	NA
	Axis	X:-5 Y:-64.2 Z:-203.2		X:5 Y:76.8 Z:-203.2			X:-5 Y:91.9 Z:-203.2	NA
FR1 n78	SAR	0.563		0.224			0.955	NA
	Axis	X:-5 Y:-61.7 Z:-203.2		X:5 Y:75.9 Z:-203.2			X:5 Y:65.6 Z:-203.2	NA

Test Engineer : Martin Li, Varus Wang, Light Wang, Ricky Gu



## **18. 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.





## **19. References**

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- [5] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [6] FCC KDB 865664 D02 v01r02, "RF Exposure Compliance Reporting and Documentation Considerations" Oct 2015.
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- [10] FCC KDB 616217 D04 v01r02, "SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers", Oct 2015
- [11] FCC KDB 941225 D01 v03r01, "3G SAR MEAUREMENT PROCEDURES", Oct 2015
- [12] FCC KDB 941225 D05 v02r05, "SAR Evaluation Considerations for LTE Devices", Dec 2015
- [13] FCC KDB 941225 D05A v01r02, "Rel. 10 LTE SAR Test Guidance and KDB Inquiries", Oct 2015
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