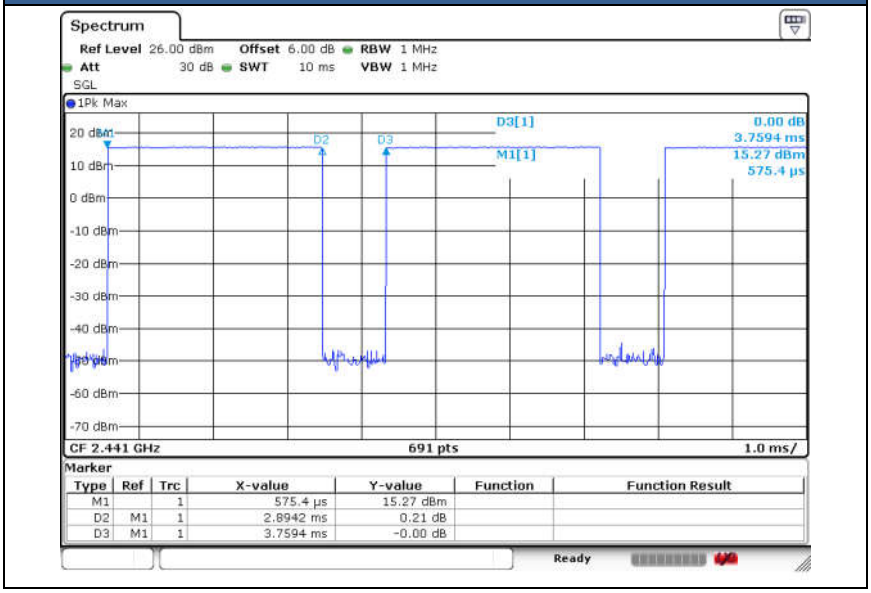
<2.4GHz Bluetooth>

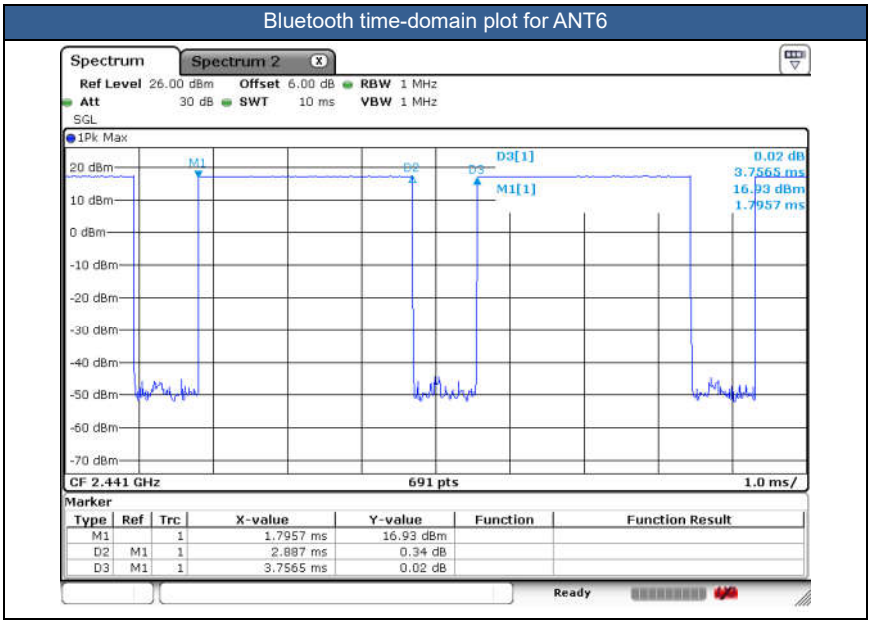
General Note:

1. For 2.4GHz Bluetooth SAR testing was selected 1Mbps, due to its highest average power.
2. The Bluetooth duty cycle are 76.99% for ANT4, 76.85% for ANT6 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 to100% for Bluetooth reported SAR calculation

Bluetooth time-domain plot for ANT4



Bluetooth time-domain plot for ANT6



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 of power class 3, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix 63.3%/62.9% = 1.006 is applied to scale-up the measured SAR result. The reported TDD LTE SAR (W/kg) = Measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.
   f. For TDD LTE SAR measurement of power class 2, the duty cycle 1:2.33 (42.9 %) was used perform testing and considering the theoretical duty cycle of 43.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 42.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix 43.3%/42.9% = 1.009 is applied to scale-up the measured SAR result. The reported TDD LTE SAR (W/kg) = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.
2. Per KDB 447498 D01v06, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the *reported* 1-g or 10-g SAR for the mid-band or highest output power channel is:
   - ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
   - ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
   - ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz
3. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required when the measured SAR is ≥ 0.8W/kg. Per KDB 865664 D01v01r04, if the extremity repeated SAR is necessary, the same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.
4. 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. 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.
5. For WLAN/BT when transmit simultaneous with WWAN, power reduction will be activated to head and Handheld. For WLAN/BT when transmit simultaneous with WWAN and Proximity sensors trigger, power reduction will be activated to body-worn and Handheld.
6. This device supports HPUE for LTE Band 41 and 5GNR n41/n77 with class 2 level, HPUE power has been measured separately. For HPUE power is higher than power class 3 but with lower duty cycle, the maximum average power for class 2 and class 3 is almost the same, so we chose power class 3 full SAR testing and power class 2 verify the worst case of power class 3 SAR.
7. For 5GNR n41/n77 HPUE, 5GNR n41/n77 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. 5GNR NSA mode, the power level is the same as 5GNR SA mode, so 5GNR 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. 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. For this device SAR for WWAN/WLAN transmitter scaled to maximum output power mode for product specific 10g SAR is higher than 1.2W/kg of GSM1900, WCDMA Band II/IV, LTE Band 2/4/7/25/30/38/41/48/66, 5GNR n2/n7/n25/n30/n66/n70/n38/n41/n48/n77/n78, WLAN2.4/5.2/5.8GHz, therefore product specific 10g SAR is necessary.
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.

13. For distance SAR and non-distance SAR in body-worn, always chose higher SAR to do co-located analysis.
14. For ANT6 which support WLAN2.4GHz MIMO/BT, there is no cap sensor on ANT6, thus the power of ANT6 will force cutback at all exposure conditions to meet the SAR is compliance on WLAN/BT transmit simultaneously with WWAN.

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 ≤ 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 is ≤ ¼ dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA / DC-HSDPA to RMC12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA , and according to the following RF output power, the output power results of the secondary modes (HSDPA / HSUPA / DC-HSDPA) are less than ¼ dB higher than the primary modes; therefore, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA .

LTE Note:

1. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
2. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
3. Per KDB 941225 D05v02r05, for QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
4. Per KDB 941225 D05v02r05, 16QAM/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 ≤ 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 ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, smaller bandwidth SAR testing is not required.
6. For LTE B4 / B5 / B12 / B17 / B26 / B38 / B71 the maximum bandwidth does not support three non-overlapping channels, per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.
7. LTE B2 / B4 /B5 / B17 / B38 SAR test was covered by B25 / B66 / B26 / B12 / B41 / B48; 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 ≤ the larger band to qualify for the SAR test exclusion
   b. the channel bandwidth and other operating parameters for the smaller band are fully supported by the larger

band

5G NR Note:

1. For 5G NR test procedure was following step similar FCC KDB 941225 D05:
   a. SAR testing start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
   b. 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure
   c. QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
   d. PI/2 BPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not ½ 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 ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device
   f. For 5G FR1 n5 /n7/n26/n41/n66/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/Bluetooth Note:

1. Per KDB 248227 D01v02r02, for 2.4GHz 802.11g/n SAR testing is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
2. Per KDB 248227 D01v02r02, U-NII-1 SAR testing is not required when the U-NII-2A band highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band.
3. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is ≤ 0.8 W/kg or all required test position are tested.
4. For all positions / configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions / configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.
5. During SAR testing the WLAN transmission was verified using a spectrum analyzer.

16.1 Head SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	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)	Measure 1g SAR (W/kg)	Reported 1g SAR (W/kg)
750MHz																			
	LTE Band 71	20M	QPSK	1	49	-	Right Cheek	Ant 0	DSI 2	133297	680.5	23.25	24.00	1.189	-	1.000	0.19	0.093	0.111
	LTE Band 71	20M	QPSK	1	49	-	Right Tilted	Ant 0	DSI 2	133297	680.5	23.25	24.00	1.189	-	1.000	-0.01	0.048	0.057
	LTE Band 71	20M	QPSK	1	49	-	Left Cheek	Ant 0	DSI 2	133297	680.5	23.25	24.00	1.189	-	1.000	0.04	0.115	0.137
	LTE Band 71	20M	QPSK	1	49	-	Left Tilted	Ant 0	DSI 2	133297	680.5	23.25	24.00	1.189	-	1.000	-0.1	0.071	0.084
	LTE Band 71	20M	QPSK	50	0	-	Right Cheek	Ant 0	DSI 2	133297	680.5	23.25	24.00	1.189	-	1.000	-0.04	0.083	0.099
	LTE Band 71	20M	QPSK	50	0	-	Right Tilted	Ant 0	DSI 2	133297	680.5	23.25	24.00	1.189	-	1.000	-0.03	0.043	0.051
	LTE Band 71	20M	QPSK	50	0	-	Left Cheek	Ant 0	DSI 2	133297	680.5	23.25	24.00	1.189	-	1.000	-0.19	0.103	0.122
	LTE Band 71	20M	QPSK	50	0	-	Left Tilted	Ant 0	DSI 2	133297	680.5	23.25	24.00	1.189	-	1.000	0.03	0.065	0.077
	LTE Band 71	20M	QPSK	1	49	-	Right Cheek	Ant 1	DSI 2	133297	680.5	23.00	24.00	1.259	-	1.000	0.03	0.463	0.583
01	LTE Band 71	20M	QPSK	1	49	-	Right Tilted	Ant 1	DSI 2	133297	680.5	23.00	24.00	1.259	-	1.000	0.04	0.629	**0.792**
	LTE Band 71	20M	QPSK	1	49	-	Left Cheek	Ant 1	DSI 2	133297	680.5	23.00	24.00	1.259	-	1.000	-0.01	0.287	0.361
	LTE Band 71	20M	QPSK	1	49	-	Left Tilted	Ant 1	DSI 2	133297	680.5	23.00	24.00	1.259	-	1.000	-0.08	0.359	0.452
	LTE Band 71	20M	QPSK	50	0	-	Right Cheek	Ant 1	DSI 2	133297	680.5	22.97	24.00	1.268	-	1.000	-0.13	0.379	0.480
	LTE Band 71	20M	QPSK	50	0	-	Right Tilted	Ant 1	DSI 2	133297	680.5	22.97	24.00	1.268	-	1.000	0.01	0.522	0.662
	LTE Band 71	20M	QPSK	50	0	-	Left Cheek	Ant 1	DSI 2	133297	680.5	22.97	24.00	1.268	-	1.000	0.16	0.260	0.330
	LTE Band 71	20M	QPSK	50	0	-	Left Tilted	Ant 1	DSI 2	133297	680.5	22.97	24.00	1.268	-	1.000	0.19	0.337	0.427
	LTE Band 12	10M	QPSK	1	25	-	Right Cheek	Ant 0	DSI 2	23095	707.5	23.25	24.00	1.189	-	1.000	0.16	0.050	0.059
	LTE Band 12	10M	QPSK	1	25	-	Right Tilted	Ant 0	DSI 2	23095	707.5	23.25	24.00	1.189	-	1.000	0.13	0.052	0.062
	LTE Band 12	10M	QPSK	1	25	-	Left Cheek	Ant 0	DSI 2	23095	707.5	23.25	24.00	1.189	-	1.000	0.15	0.094	0.112
	LTE Band 12	10M	QPSK	1	25	-	Left Tilted	Ant 0	DSI 2	23095	707.5	23.25	24.00	1.189	-	1.000	-0.19	0.047	0.056
	LTE Band 12	10M	QPSK	25	12	-	Right Cheek	Ant 0	DSI 2	23095	707.5	23.24	24.00	1.191	-	1.000	-0.18	0.041	0.049
	LTE Band 12	10M	QPSK	25	12	-	Right Tilted	Ant 0	DSI 2	23095	707.5	23.24	24.00	1.191	-	1.000	0.11	0.043	0.051
	LTE Band 12	10M	QPSK	25	12	-	Left Cheek	Ant 0	DSI 2	23095	707.5	23.24	24.00	1.191	-	1.000	0.1	0.076	0.091
	LTE Band 12	10M	QPSK	25	12	-	Left Tilted	Ant 0	DSI 2	23095	707.5	23.24	24.00	1.191	-	1.000	-0.04	0.039	0.046
	LTE Band 12	10M	QPSK	1	25	-	Right Cheek	Ant 1	DSI 2	23095	707.5	22.48	23.40	1.236	-	1.000	0.18	0.601	0.743
02	LTE Band 12	10M	QPSK	1	25	-	Right Tilted	Ant 1	DSI 2	23095	707.5	22.48	23.40	1.236	-	1.000	0.04	0.726	**0.897**
	LTE Band 12	10M	QPSK	1	25	-	Left Cheek	Ant 1	DSI 2	23095	707.5	22.48	23.40	1.236	-	1.000	-0.19	0.298	0.368
	LTE Band 12	10M	QPSK	1	25	-	Left Tilted	Ant 1	DSI 2	23095	707.5	22.48	23.40	1.236	-	1.000	-0.16	0.372	0.460
	LTE Band 12	10M	QPSK	25	12	-	Right Cheek	Ant 1	DSI 2	23095	707.5	22.46	23.40	1.242	-	1.000	-0.08	0.589	0.731
	LTE Band 12	10M	QPSK	25	12	-	Right Tilted	Ant 1	DSI 2	23095	707.5	22.46	23.40	1.242	-	1.000	0.08	0.720	0.894
	LTE Band 12	10M	QPSK	25	12	-	Left Cheek	Ant 1	DSI 2	23095	707.5	22.46	23.40	1.242	-	1.000	0.11	0.297	0.369
	LTE Band 12	10M	QPSK	25	12	-	Left Tilted	Ant 1	DSI 2	23095	707.5	22.46	23.40	1.242	-	1.000	0	0.370	0.459
	LTE Band 12	10M	QPSK	50	0	-	Right Tilted	Ant 1	DSI 2	23095	707.5	22.43	23.40	1.250	-	1.000	0.03	0.713	0.891
	LTE Band 13	10M	QPSK	1	25	-	Right Cheek	Ant 0	DSI 2	23230	782	22.57	24.00	1.390	-	1.000	-0.03	0.089	0.124
	LTE Band 13	10M	QPSK	1	25	-	Right Tilted	Ant 0	DSI 2	23230	782	22.57	24.00	1.390	-	1.000	-0.14	0.050	0.069
	LTE Band 13	10M	QPSK	1	25	-	Left Cheek	Ant 0	DSI 2	23230	782	22.57	24.00	1.390	-	1.000	0.01	0.107	0.149
	LTE Band 13	10M	QPSK	1	25	-	Left Tilted	Ant 0	DSI 2	23230	782	22.57	24.00	1.390	-	1.000	-0.07	0.083	0.115
	LTE Band 13	10M	QPSK	25	12	-	Right Cheek	Ant 0	DSI 2	23230	782	22.55	24.00	1.396	-	1.000	0.13	0.072	0.101
	LTE Band 13	10M	QPSK	25	12	-	Right Tilted	Ant 0	DSI 2	23230	782	22.55	24.00	1.396	-	1.000	-0.14	0.042	0.059
	LTE Band 13	10M	QPSK	25	12	-	Left Cheek	Ant 0	DSI 2	23230	782	22.55	24.00	1.396	-	1.000	-0.11	0.088	0.123
	LTE Band 13	10M	QPSK	25	12	-	Left Tilted	Ant 0	DSI 2	23230	782	22.55	24.00	1.396	-	1.000	0.04	0.065	0.091
	LTE Band 13	10M	QPSK	1	25	-	Right Cheek	Ant 1	DSI 2	23230	782	21.74	23.00	1.337	-	1.000	-0.12	0.545	0.728
03	LTE Band 13	10M	QPSK	1	25	-	Right Tilted	Ant 1	DSI 2	23230	782	21.74	23.00	1.337	-	1.000	0.17	0.670	**0.896**
	LTE Band 13	10M	QPSK	1	25	-	Left Cheek	Ant 1	DSI 2	23230	782	21.74	23.00	1.337	-	1.000	-0.1	0.287	0.384
	LTE Band 13	10M	QPSK	1	25	-	Left Tilted	Ant 1	DSI 2	23230	782	21.74	23.00	1.337	-	1.000	0.03	0.292	0.390
	LTE Band 13	10M	QPSK	25	12	-	Right Cheek	Ant 1	DSI 2	23230	782	21.72	23.00	1.343	-	1.000	0.01	0.522	0.701
	LTE Band 13	10M	QPSK	25	12	-	Right Tilted	Ant 1	DSI 2	23230	782	21.72	23.00	1.343	-	1.000	-0.04	0.645	0.866
	LTE Band 13	10M	QPSK	25	12	-	Left Cheek	Ant 1	DSI 2	23230	782	21.72	23.00	1.343	-	1.000	-0.19	0.277	0.372
	LTE Band 13	10M	QPSK	25	12	-	Left Tilted	Ant 1	DSI 2	23230	782	21.72	23.00	1.343	-	1.000	-0.16	0.291	0.391
	LTE Band 13	10M	QPSK	50	0	-	Right Tilted	Ant 1	DSI 2	23230	782	21.71	23.00	1.346	-	1.000	0.07	0.660	0.888

	LTE Band 14	10M	QPSK	1	25	-	Right Cheek	Ant 0	DSI 2	23330	793	22.82	24.00	1.312	-	1.000	0.12	0.091	0.119
	LTE Band 14	10M	QPSK	1	25	-	Right Tilted	Ant 0	DSI 2	23330	793	22.82	24.00	1.312	-	1.000	0.01	0.055	0.072
	LTE Band 14	10M	QPSK	1	25	-	Left Cheek	Ant 0	DSI 2	23330	793	22.82	24.00	1.312	-	1.000	0.01	0.119	0.156
	LTE Band 14	10M	QPSK	1	25	-	Left Tilted	Ant 0	DSI 2	23330	793	22.82	24.00	1.312	-	1.000	0.16	0.065	0.085
	LTE Band 14	10M	QPSK	25	12	-	Right Cheek	Ant 0	DSI 2	23330	793	22.80	24.00	1.318	-	1.000	0.02	0.084	0.111
	LTE Band 14	10M	QPSK	25	12	-	Right Tilted	Ant 0	DSI 2	23330	793	22.80	24.00	1.318	-	1.000	0.09	0.046	0.061
	LTE Band 14	10M	QPSK	25	12	-	Left Cheek	Ant 0	DSI 2	23330	793	22.80	24.00	1.318	-	1.000	0.1	0.098	0.129
	LTE Band 14	10M	QPSK	25	12	-	Left Tilted	Ant 0	DSI 2	23330	793	22.80	24.00	1.318	-	1.000	-0.08	0.054	0.071
	LTE Band 14	10M	QPSK	1	25	-	Right Cheek	Ant 1	DSI 2	23330	793	21.99	23.50	1.416	-	1.000	-0.12	0.610	0.864
04	LTE Band 14	10M	QPSK	1	25	-	Right Tilted	Ant 1	DSI 2	23330	793	21.99	23.50	1.416	-	1.000	0.11	0.628	**0.889**
	LTE Band 14	10M	QPSK	1	25	-	Left Cheek	Ant 1	DSI 2	23330	793	21.99	23.50	1.416	-	1.000	-0.13	0.280	0.396
	LTE Band 14	10M	QPSK	1	25	-	Left Tilted	Ant 1	DSI 2	23330	793	21.99	23.50	1.416	-	1.000	-0.02	0.304	0.430
	LTE Band 14	10M	QPSK	25	12	-	Right Cheek	Ant 1	DSI 2	23330	793	21.97	23.50	1.422	-	1.000	0.05	0.608	0.865
	LTE Band 14	10M	QPSK	25	12	-	Right Tilted	Ant 1	DSI 2	23330	793	21.97	23.50	1.422	-	1.000	-0.16	0.623	0.886
	LTE Band 14	10M	QPSK	25	12	-	Left Cheek	Ant 1	DSI 2	23330	793	21.97	23.50	1.422	-	1.000	-0.03	0.265	0.377
	LTE Band 14	10M	QPSK	25	12	-	Left Tilted	Ant 1	DSI 2	23330	793	21.97	23.50	1.422	-	1.000	-0.12	0.278	0.395
	LTE Band 14	10M	QPSK	50	0	-	Right Cheek	Ant 1	DSI 2	23330	793	21.95	23.50	1.429	-	1.000	0.04	0.594	0.849
	LTE Band 14	10M	QPSK	50	0	-	Right Tilted	Ant 1	DSI 2	23330	793	21.95	23.50	1.429	-	1.000	0.07	0.610	0.872
	FR1 n71	20M	QPSK	1	1	DFT-15	Right Cheek	Ant 0	DSI 2	136100	680.5	22.84	24.00	1.306	-	1.000	-0.15	0.071	0.093
	FR1 n71	20M	QPSK	1	1	DFT-15	Right Tilted	Ant 0	DSI 2	136100	680.5	22.84	24.00	1.306	-	1.000	-0.16	0.047	0.061
	FR1 n71	20M	QPSK	1	1	DFT-15	Left Cheek	Ant 0	DSI 2	136100	680.5	22.84	24.00	1.306	-	1.000	-0.04	0.091	0.119
	FR1 n71	20M	QPSK	1	1	DFT-15	Left Tilted	Ant 0	DSI 2	136100	680.5	22.84	24.00	1.306	-	1.000	0.01	0.055	0.072
	FR1 n71	20M	QPSK	50	28	DFT-15	Right Cheek	Ant 0	DSI 2	136100	680.5	22.81	24.00	1.315	-	1.000	0.18	0.073	0.096
	FR1 n71	20M	QPSK	50	28	DFT-15	Right Tilted	Ant 0	DSI 2	136100	680.5	22.81	24.00	1.315	-	1.000	-0.17	0.049	0.064
	FR1 n71	20M	QPSK	50	28	DFT-15	Left Cheek	Ant 0	DSI 2	136100	680.5	22.81	24.00	1.315	-	1.000	-0.07	0.094	0.124
	FR1 n71	20M	QPSK	50	28	DFT-15	Left Tilted	Ant 0	DSI 2	136100	680.5	22.81	24.00	1.315	-	1.000	-0.18	0.056	0.074
	FR1 n71	20M	QPSK	1	1	DFT-15	Right Cheek	Ant 1	DSI 2	136100	680.5	22.84	24.00	1.306	-	1.000	0.1	0.298	0.389
05	FR1 n71	20M	QPSK	1	1	DFT-15	Right Tilted	Ant 1	DSI 2	136100	680.5	22.84	24.00	1.306	-	1.000	0.08	0.362	**0.473**
	FR1 n71	20M	QPSK	1	1	DFT-15	Left Cheek	Ant 1	DSI 2	136100	680.5	22.84	24.00	1.306	-	1.000	0.06	0.182	0.238
	FR1 n71	20M	QPSK	1	1	DFT-15	Left Tilted	Ant 1	DSI 2	136100	680.5	22.84	24.00	1.306	-	1.000	-0.17	0.213	0.278
	FR1 n71	20M	QPSK	50	28	DFT-15	Right Cheek	Ant 1	DSI 2	136100	680.5	22.80	24.00	1.318	-	1.000	0.16	0.293	0.386
	FR1 n71	20M	QPSK	50	28	DFT-15	Right Tilted	Ant 1	DSI 2	136100	680.5	22.80	24.00	1.318	-	1.000	-0.18	0.352	0.464
	FR1 n71	20M	QPSK	50	28	DFT-15	Left Cheek	Ant 1	DSI 2	136100	680.5	22.80	24.00	1.318	-	1.000	-0.15	0.176	0.232
	FR1 n71	20M	QPSK	50	28	DFT-15	Left Tilted	Ant 1	DSI 2	136100	680.5	22.80	24.00	1.318	-	1.000	0.03	0.209	0.276
	FR1 n12	15M	QPSK	1	1	DFT-15	Right Cheek	Ant 0	DSI 2	141500	707.5	23.22	24.00	1.197	-	1.000	-0.15	0.073	0.087
	FR1 n12	15M	QPSK	1	1	DFT-15	Right Tilted	Ant 0	DSI 2	141500	707.5	23.22	24.00	1.197	-	1.000	-0.09	0.044	0.053
	FR1 n12	15M	QPSK	1	1	DFT-15	Left Cheek	Ant 0	DSI 2	141500	707.5	23.22	24.00	1.197	-	1.000	-0.06	0.107	0.128
	FR1 n12	15M	QPSK	1	1	DFT-15	Left Tilted	Ant 0	DSI 2	141500	707.5	23.22	24.00	1.197	-	1.000	0.14	0.053	0.063
	FR1 n12	15M	QPSK	36	22	DFT-15	Right Cheek	Ant 0	DSI 2	141500	707.5	23.20	24.00	1.202	-	1.000	-0.11	0.072	0.087
	FR1 n12	15M	QPSK	36	22	DFT-15	Right Tilted	Ant 0	DSI 2	141500	707.5	23.20	24.00	1.202	-	1.000	-0.09	0.046	0.055
06	FR1 n12	15M	QPSK	36	22	DFT-15	Left Cheek	Ant 0	DSI 2	141500	707.5	23.20	24.00	1.202	-	1.000	0.15	0.110	**0.132**
	FR1 n12	15M	QPSK	36	22	DFT-15	Left Tilted	Ant 0	DSI 2	141500	707.5	23.20	24.00	1.202	-	1.000	0	0.055	0.066
	FR1 n14	10M	QPSK	1	1	DFT-15	Right Cheek	Ant 0	DSI 2	158600	793	22.83	24.00	1.309	-	1.000	-0.12	0.091	0.119
	FR1 n14	10M	QPSK	1	1	DFT-15	Right Tilted	Ant 0	DSI 2	158600	793	22.83	24.00	1.309	-	1.000	-0.09	0.059	0.077
	FR1 n14	10M	QPSK	1	1	DFT-15	Left Cheek	Ant 0	DSI 2	158600	793	22.83	24.00	1.309	-	1.000	0.19	0.102	0.134
	FR1 n14	10M	QPSK	1	1	DFT-15	Left Tilted	Ant 0	DSI 2	158600	793	22.83	24.00	1.309	-	1.000	-0.13	0.068	0.089
	FR1 n14	10M	QPSK	25	14	DFT-15	Right Cheek	Ant 0	DSI 2	158600	793	22.81	24.00	1.315	-	1.000	0.02	0.097	0.128
	FR1 n14	10M	QPSK	25	14	DFT-15	Right Tilted	Ant 0	DSI 2	158600	793	22.81	24.00	1.315	-	1.000	0.14	0.063	0.083
07	FR1 n14	10M	QPSK	25	14	DFT-15	Left Cheek	Ant 0	DSI 2	158600	793	22.81	24.00	1.315	-	1.000	0.06	0.110	**0.145**
	FR1 n14	10M	QPSK	25	14	DFT-15	Left Tilted	Ant 0	DSI 2	158600	793	22.81	24.00	1.315	-	1.000	-0.08	0.071	0.093
835MHz																			
	GSM850	-	-	-	-	GPRS 3 Tx slots	Right Cheek	Ant 0	DSI 2	189	836.4	28.59	29.00	1.099	-	1.000	-0.07	0.142	0.156
	GSM850	-	-	-	-	GPRS 3 Tx slots	Right Tilted	Ant 0	DSI 2	189	836.4	28.59	29.00	1.099	-	1.000	0.14	0.080	0.088
	GSM850	-	-	-	-	GPRS 3 Tx slots	Left Cheek	Ant 0	DSI 2	189	836.4	28.59	29.00	1.099	-	1.000	0.05	0.150	0.165
	GSM850	-	-	-	-	GPRS 3 Tx slots	Left Tilted	Ant 0	DSI 2	189	836.4	28.59	29.00	1.099	-	1.000	0	0.086	0.095
	GSM850	-	-	-	-	GPRS 3 Tx slots	Right Cheek	Ant 1	DSI 2	189	836.4	24.90	25.60	1.175	-	1.000	0.08	0.675	0.793

	GSM850	-	-	-	-	GPRS 3 Tx slots	Right Tilted	Ant 1	DSI 2	189	836.4	24.90	25.60	1.175	-	1.000	-0.07	0.717	0.842
	GSM850	-	-	-	-	GPRS 3 Tx slots	Left Cheek	Ant 1	DSI 2	189	836.4	24.90	25.60	1.175	-	1.000	-0.04	0.407	0.478
	GSM850	-	-	-	-	GPRS 3 Tx slots	Left Tilted	Ant 1	DSI 2	189	836.4	24.90	25.60	1.175	-	1.000	0.12	0.350	0.411
	GSM850	-	-	-	-	GPRS 3 Tx slots	Right Tilted	Ant 1	DSI 2	128	824.2	24.75	25.60	1.216	-	1.000	0.05	0.726	0.883
08	GSM850	-	-	-	-	GPRS 3 Tx slots	Right Tilted	Ant 1	DSI 2	251	848.8	24.83	25.60	1.194	-	1.000	0.1	0.751	**0.897**
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Cheek	Ant 0	DSI 2	4233	846.6	24.62	25.00	1.091	-	1.000	0.03	0.129	0.141
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Tilted	Ant 0	DSI 2	4233	846.6	24.62	25.00	1.091	-	1.000	0.02	0.082	0.089
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Cheek	Ant 0	DSI 2	4233	846.6	24.62	25.00	1.091	-	1.000	0.15	0.142	0.155
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Tilted	Ant 0	DSI 2	4233	846.6	24.62	25.00	1.091	-	1.000	-0.03	0.079	0.086
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Cheek	Ant 1	DSI 2	4233	846.6	22.96	23.50	1.132	-	1.000	-0.05	0.734	0.831
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Tilted	Ant 1	DSI 2	4233	846.6	22.96	23.50	1.132	-	1.000	0.01	0.775	0.878
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Cheek	Ant 1	DSI 2	4233	846.6	22.96	23.50	1.132	-	1.000	-0.16	0.389	0.441
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Tilted	Ant 1	DSI 2	4233	846.6	22.96	23.50	1.132	-	1.000	0.12	0.403	0.456
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Cheek	Ant 1	DSI 2	4132	826.4	22.83	23.50	1.167	-	1.000	-0.13	0.645	0.753
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Cheek	Ant 1	DSI 2	4182	836.4	22.93	23.50	1.140	-	1.000	-0.14	0.663	0.756
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Tilted	Ant 1	DSI 2	4132	826.4	22.83	23.50	1.167	-	1.000	0.11	0.740	0.863
09	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Tilted	Ant 1	DSI 2	4182	836.4	22.93	23.50	1.140	-	1.000	-0.09	0.783	**0.893**
	LTE Band 26	15M	QPSK	1	37	-	Right Cheek	Ant 0	DSI 2	26865	831.5	22.91	24.00	1.285	-	1.000	-0.07	0.103	0.132
	LTE Band 26	15M	QPSK	1	37	-	Right Tilted	Ant 0	DSI 2	26865	831.5	22.91	24.00	1.285	-	1.000	0.05	0.067	0.086
	LTE Band 26	15M	QPSK	1	37	-	Left Cheek	Ant 0	DSI 2	26865	831.5	22.91	24.00	1.285	-	1.000	0.02	0.113	0.145
	LTE Band 5B	10M	QPSK	1	25	-	Left Cheek	Ant 0	DSI 2	20575 +20476	841.5 +831.6	23.00	24.00	1.259	-	1.000	-0.01	0.112	0.141
	LTE Band 26	15M	QPSK	1	37	-	Left Tilted	Ant 0	DSI 2	26865	831.5	22.91	24.00	1.285	-	1.000	-0.07	0.074	0.095
	LTE Band 26	15M	QPSK	36	20	-	Right Cheek	Ant 0	DSI 2	26865	831.5	22.87	24.00	1.297	-	1.000	0.15	0.087	0.113
	LTE Band 26	15M	QPSK	36	20	-	Right Tilted	Ant 0	DSI 2	26865	831.5	22.87	24.00	1.297	-	1.000	-0.05	0.059	0.077
	LTE Band 26	15M	QPSK	36	20	-	Left Cheek	Ant 0	DSI 2	26865	831.5	22.87	24.00	1.297	-	1.000	-0.14	0.101	0.131
	LTE Band 26	15M	QPSK	36	20	-	Left Tilted	Ant 0	DSI 2	26865	831.5	22.87	24.00	1.297	-	1.000	0.1	0.067	0.087
	LTE Band 26	15M	QPSK	1	37	-	Right Cheek	Ant 1	DSI 2	26865	831.5	21.80	23.10	1.349	-	1.000	-0.12	0.468	0.631
10	LTE Band 26	15M	QPSK	1	37	-	Right Tilted	Ant 1	DSI 2	26865	831.5	21.80	23.10	1.349	-	1.000	0.05	0.601	**0.811**
	LTE Band 5B	10M	QPSK	1	25	-	Right Tilted	Ant 1	DSI 2	20575 +20476	841.5 +831.6	21.95	23.10	1.303	-	1.000	0.03	0.595	0.775
	LTE Band 26	15M	QPSK	1	37	-	Left Cheek	Ant 1	DSI 2	26865	831.5	21.80	23.10	1.349	-	1.000	0.07	0.256	0.345
	LTE Band 26	15M	QPSK	1	37	-	Left Tilted	Ant 1	DSI 2	26865	831.5	21.80	23.10	1.349	-	1.000	0.1	0.234	0.316
	LTE Band 26	15M	QPSK	36	20	-	Right Cheek	Ant 1	DSI 2	26865	831.5	21.78	23.10	1.355	-	1.000	0.1	0.448	0.607
	LTE Band 26	15M	QPSK	36	20	-	Right Tilted	Ant 1	DSI 2	26865	831.5	21.78	23.10	1.355	-	1.000	-0.11	0.593	0.804
	LTE Band 26	15M	QPSK	36	20	-	Left Cheek	Ant 1	DSI 2	26865	831.5	21.78	23.10	1.355	-	1.000	-0.11	0.255	0.346
	LTE Band 26	15M	QPSK	36	20	-	Left Tilted	Ant 1	DSI 2	26865	831.5	21.78	23.10	1.355	-	1.000	0.1	0.231	0.313
	LTE Band 26	15M	QPSK	75	0	-	Right Tilted	Ant 1	DSI 2	26865	841.5	21.75	23.10	1.365	-	1.000	0.15	0.585	0.798
	FR1 n26	20M	QPSK	1	1	DFT-15	Right Cheek	Ant 0	DSI 2	166300	831.5	23.21	24.00	1.199	-	1.000	0.02	0.100	0.120
	FR1 n26	20M	QPSK	1	1	DFT-15	Right Tilted	Ant 0	DSI 2	166300	831.5	23.21	24.00	1.199	-	1.000	-0.12	0.061	0.073
	FR1 n26	20M	QPSK	1	1	DFT-15	Left Cheek	Ant 0	DSI 2	166300	831.5	23.21	24.00	1.199	-	1.000	0.16	0.103	0.124
	FR1 n26	20M	QPSK	1	1	DFT-15	Left Tilted	Ant 0	DSI 2	166300	831.5	23.21	24.00	1.199	-	1.000	0.02	0.061	0.073
	FR1 n26	20M	QPSK	50	28	DFT-15	Right Cheek	Ant 0	DSI 2	166300	831.5	23.19	24.00	1.205	-	1.000	0.05	0.101	0.122
	FR1 n26	20M	QPSK	50	28	DFT-15	Right Tilted	Ant 0	DSI 2	166300	831.5	23.19	24.00	1.205	-	1.000	-0.01	0.062	0.075
	FR1 n26	20M	QPSK	50	28	DFT-15	Left Cheek	Ant 0	DSI 2	166300	831.5	23.19	24.00	1.205	-	1.000	0.18	0.103	0.124
	FR1 n26	20M	QPSK	50	28	DFT-15	Left Tilted	Ant 0	DSI 2	166300	831.5	23.19	24.00	1.205	-	1.000	0.04	0.061	0.074
	FR1 n26	20M	QPSK	1	1	DFT-15	Right Cheek	Ant 1	DSI 2	166300	831.5	23.17	24.00	1.211	-	1.000	-0.19	0.515	0.623
11	FR1 n26	20M	QPSK	1	1	DFT-15	Right Tilted	Ant 1	DSI 2	166300	831.5	23.17	24.00	1.211	-	1.000	-0.05	0.577	**0.699**
	FR1 n26	20M	QPSK	1	1	DFT-15	Left Cheek	Ant 1	DSI 2	166300	831.5	23.17	24.00	1.211	-	1.000	0.06	0.328	0.397
	FR1 n26	20M	QPSK	1	1	DFT-15	Left Tilted	Ant 1	DSI 2	166300	831.5	23.17	24.00	1.211	-	1.000	0.09	0.368	0.446
	FR1 n26	20M	QPSK	50	28	DFT-15	Right Cheek	Ant 1	DSI 2	166300	831.5	23.14	24.00	1.219	-	1.000	-0.1	0.508	0.619
	FR1 n26	20M	QPSK	50	28	DFT-15	Right Tilted	Ant 1	DSI 2	166300	831.5	23.14	24.00	1.219	-	1.000	0.13	0.568	0.692
	FR1 n26	20M	QPSK	50	28	DFT-15	Left Cheek	Ant 1	DSI 2	166300	831.5	23.14	24.00	1.219	-	1.000	0.16	0.316	0.385
	FR1 n26	20M	QPSK	50	28	DFT-15	Left Tilted	Ant 1	DSI 2	166300	831.5	23.14	24.00	1.219	-	1.000	0.16	0.350	0.427
1750MHz																			
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	Ant 1	DSI 2	1413	1732.6	16.12	17.10	1.253	-	1.000	0.05	0.645	0.808
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Tilted	Ant 1	DSI 2	1413	1732.6	16.12	17.10	1.253	-	1.000	0.17	0.581	0.728

	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Cheek	Ant 1	DSI 2	1413	1732.6	16.12	17.10	1.253	-	1.000	-0.02	0.226	0.283
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Tilted	Ant 1	DSI 2	1413	1732.6	16.12	17.10	1.253	-	1.000	0.02	0.293	0.367
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	Ant 1	DSI 2	1312	1712.4	15.94	17.10	1.306	-	1.000	-0.04	0.658	0.859
12	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	Ant 1	DSI 2	1513	1752.6	16.11	17.10	1.256	-	1.000	0.02	0.691	**0.868**
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	Ant 2	DSI 2	1413	1732.6	24.43	25.00	1.140	-	1.000	0.05	0.111	0.127
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Tilted	Ant 2	DSI 2	1413	1732.6	24.43	25.00	1.140	-	1.000	-0.06	0.121	0.138
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Cheek	Ant 2	DSI 2	1413	1732.6	24.43	25.00	1.140	-	1.000	-0.16	0.185	0.211
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Tilted	Ant 2	DSI 2	1413	1732.6	24.43	25.00	1.140	-	1.000	-0.07	0.135	0.154
13	LTE Band 66	20M	QPSK	1	49	-	Right Cheek	Ant 1	DSI 2	132322	1745	16.73	17.60	1.222	-	1.000	0.06	0.732	**0.894**
	LTE Band 66C	20M	QPSK	1	49	-	Right Cheek	Ant 1	DSI 2	132322+ 132520	1745+ 1764.8	16.70	17.60	1.230	-	1.000	0.12	0.714	0.878
	LTE Band 66	20M	QPSK	1	49	-	Right Tilted	Ant 1	DSI 2	132322	1745	16.73	17.60	1.222	-	1.000	-0.19	0.633	0.773
	LTE Band 66	20M	QPSK	1	49	-	Left Cheek	Ant 1	DSI 2	132322	1745	16.73	17.60	1.222	-	1.000	-0.02	0.248	0.303
	LTE Band 66	20M	QPSK	1	49	-	Left Tilted	Ant 1	DSI 2	132322	1745	16.73	17.60	1.222	-	1.000	0.15	0.321	0.392
	LTE Band 66	20M	QPSK	1	49	-	Right Cheek	Ant 1	DSI 2	132072	1720	16.66	17.60	1.242	-	1.000	0	0.692	0.859
	LTE Band 66	20M	QPSK	1	49	-	Right Cheek	Ant 1	DSI 2	132572	1770	16.67	17.60	1.239	-	1.000	0.11	0.626	0.775
	LTE Band 66	20M	QPSK	50	24	-	Right Cheek	Ant 1	DSI 2	132322	1745	16.72	17.60	1.225	-	1.000	0.18	0.719	0.880
	LTE Band 66	20M	QPSK	50	24	-	Right Tilted	Ant 1	DSI 2	132322	1745	16.72	17.60	1.225	-	1.000	-0.08	0.614	0.752
	LTE Band 66	20M	QPSK	50	24	-	Left Cheek	Ant 1	DSI 2	132322	1745	16.72	17.60	1.225	-	1.000	0.07	0.231	0.283
	LTE Band 66	20M	QPSK	50	24	-	Left Tilted	Ant 1	DSI 2	132322	1745	16.72	17.60	1.225	-	1.000	-0.06	0.312	0.382
	LTE Band 66	20M	QPSK	50	24	-	Right Cheek	Ant 1	DSI 2	132072	1720	16.64	17.60	1.247	-	1.000	-0.12	0.687	0.857
	LTE Band 66	20M	QPSK	50	24	-	Right Cheek	Ant 1	DSI 2	132572	1770	16.65	17.60	1.245	-	1.000	0.02	0.616	0.767
	LTE Band 66	20M	QPSK	100	0	-	Right Cheek	Ant 1	DSI 2	132322	1745	16.70	17.60	1.230	-	1.000	0.13	0.687	0.845
	LTE Band 66	20M	QPSK	1	49	-	Right Cheek	Ant 2	DSI 2	132322	1745	23.26	24.00	1.186	-	1.000	-0.07	0.095	0.113
	LTE Band 66	20M	QPSK	1	49	-	Right Tilted	Ant 2	DSI 2	132322	1745	23.26	24.00	1.186	-	1.000	0.16	0.115	0.136
	LTE Band 66	20M	QPSK	1	49	-	Left Cheek	Ant 2	DSI 2	132322	1745	23.26	24.00	1.186	-	1.000	0.11	0.140	0.166
	LTE Band 66C	20M	QPSK	1	49	-	Left Cheek	Ant 2	DSI 2	132322 +132520	1745 +1764.8	23.17	24.00	1.211	-	1.000	0.03	0.136	0.165
	LTE Band 66	20M	QPSK	1	49	-	Left Tilted	Ant 2	DSI 2	132322	1745	23.26	24.00	1.186	-	1.000	-0.07	0.080	0.095
	LTE Band 66	20M	QPSK	50	24	-	Right Cheek	Ant 2	DSI 2	132322	1745	23.23	24.00	1.194	-	1.000	-0.18	0.076	0.091
	LTE Band 66	20M	QPSK	50	24	-	Right Tilted	Ant 2	DSI 2	132322	1745	23.23	24.00	1.194	-	1.000	0.04	0.082	0.098
	LTE Band 66	20M	QPSK	50	24	-	Left Cheek	Ant 2	DSI 2	132322	1745	23.23	24.00	1.194	-	1.000	0.08	0.115	0.137
	LTE Band 66	20M	QPSK	50	24	-	Left Tilted	Ant 2	DSI 2	132322	1745	23.23	24.00	1.194	-	1.000	0.13	0.067	0.080
	FR1 n70	15M	QPSK	1	1	DFT-15	Right Cheek	Ant 1	DSI 2	340500	1702.5	18.37	19.00	1.156	-	1.000	-0.03	0.749	0.866
	FR1 n70	15M	QPSK	1	1	DFT-15	Right Tilted	Ant 1	DSI 2	340500	1702.5	18.37	19.00	1.156	-	1.000	0.05	0.685	0.792
	FR1 n70	15M	QPSK	1	1	DFT-15	Left Cheek	Ant 1	DSI 2	340500	1702.5	18.37	19.00	1.156	-	1.000	-0.16	0.218	0.252
	FR1 n70	15M	QPSK	1	1	DFT-15	Left Tilted	Ant 1	DSI 2	340500	1702.5	18.37	19.00	1.156	-	1.000	0.18	0.292	0.338
14	FR1 n70	15M	QPSK	36	22	DFT-15	Right Cheek	Ant 1	DSI 2	340500	1702.5	18.35	19.00	1.161	-	1.000	-0.08	0.753	**0.875**
	FR1 n70	15M	QPSK	36	22	DFT-15	Right Tilted	Ant 1	DSI 2	340500	1702.5	18.35	19.00	1.161	-	1.000	-0.19	0.689	0.800
	FR1 n70	15M	QPSK	36	22	DFT-15	Left Cheek	Ant 1	DSI 2	340500	1702.5	18.35	19.00	1.161	-	1.000	-0.04	0.211	0.245
	FR1 n70	15M	QPSK	36	22	DFT-15	Left Tilted	Ant 1	DSI 2	340500	1702.5	18.35	19.00	1.161	-	1.000	-0.12	0.292	0.339
	FR1 n70	15M	QPSK	75	0	DFT-15	Right Cheek	Ant 1	DSI 2	340500	1702.5	18.33	19.00	1.167	-	1.000	0.03	0.745	0.869
	FR1 n70	15M	QPSK	75	0	DFT-15	Right Tilted	Ant 1	DSI 2	340500	1702.5	18.33	19.00	1.167	-	1.000	0.11	0.677	0.790
	FR1 n70	15M	QPSK	1	1	DFT-15	Right Cheek	Ant 2	DSI 2	340500	1702.5	22.35	24.00	1.462	-	1.000	-0.19	0.043	0.062
	FR1 n70	15M	QPSK	1	1	DFT-15	Right Tilted	Ant 2	DSI 2	340500	1702.5	22.35	24.00	1.462	-	1.000	-0.14	0.062	0.091
	FR1 n70	15M	QPSK	1	1	DFT-15	Left Cheek	Ant 2	DSI 2	340500	1702.5	22.35	24.00	1.462	-	1.000	-0.05	0.069	0.101
	FR1 n70	15M	QPSK	1	1	DFT-15	Left Tilted	Ant 2	DSI 2	340500	1702.5	22.35	24.00	1.462	-	1.000	0.06	0.061	0.089
	FR1 n70	15M	QPSK	36	22	DFT-15	Right Cheek	Ant 2	DSI 2	340500	1702.5	22.32	24.00	1.472	-	1.000	0.17	0.050	0.073
	FR1 n70	15M	QPSK	36	22	DFT-15	Right Tilted	Ant 2	DSI 2	340500	1702.5	22.32	24.00	1.472	-	1.000	0.05	0.073	0.107
	FR1 n70	15M	QPSK	36	22	DFT-15	Left Cheek	Ant 2	DSI 2	340500	1702.5	22.32	24.00	1.472	-	1.000	0.1	0.080	0.118
	FR1 n70	15M	QPSK	36	22	DFT-15	Left Tilted	Ant 2	DSI 2	340500	1702.5	22.32	24.00	1.472	-	1.000	-0.12	0.073	0.108
	FR1 n66	40M	QPSK	1	1	DFT-15	Right Cheek	Ant 1	DSI 2	349000	1745	16.71	17.50	1.199	-	1.000	-0.18	0.737	0.884
	FR1 n66	40M	QPSK	1	1	DFT-15	Right Tilted	Ant 1	DSI 2	349000	1745	16.71	17.50	1.199	-	1.000	-0.15	0.698	0.837
	FR1 n66	40M	QPSK	1	1	DFT-15	Left Cheek	Ant 1	DSI 2	349000	1745	16.71	17.50	1.199	-	1.000	-0.06	0.234	0.281
	FR1 n66	40M	QPSK	1	1	DFT-15	Left Tilted	Ant 1	DSI 2	349000	1745	16.71	17.50	1.199	-	1.000	0.07	0.322	0.386
15	FR1 n66	40M	QPSK	108	54	DFT-15	Right Cheek	Ant 1	DSI 2	349000	1745	16.69	17.50	1.205	-	1.000	-0.09	0.743	**0.895**
	FR1 n66	40M	QPSK	108	54	DFT-15	Right Tilted	Ant 1	DSI 2	349000	1745	16.69	17.50	1.205	-	1.000	-0.1	0.701	0.845

	FR1 n66	40M	QPSK	108	54	DFT-15	Left Cheek	Ant 1	DSI 2	349000	1745	16.69	17.50	1.205	-	1.000	0.02	0.233	0.281
	FR1 n66	40M	QPSK	108	54	DFT-15	Left Tilted	Ant 1	DSI 2	349000	1745	16.69	17.50	1.205	-	1.000	0.19	0.335	0.404
	FR1 n66	40M	QPSK	216	0	DFT-15	Right Cheek	Ant 1	DSI 2	349000	1745	16.64	17.50	1.219	-	1.000	-0.02	0.731	0.891
	FR1 n66	40M	QPSK	216	0	DFT-15	Right Tilted	Ant 1	DSI 2	349000	1745	16.64	17.50	1.219	-	1.000	-0.1	0.694	0.846
	FR1 n66	40M	QPSK	1	1	DFT-15	Right Cheek	Ant 2	DSI 2	349000	1745	23.19	24.00	1.205	-	1.000	-0.09	0.075	0.090
	FR1 n66	40M	QPSK	1	1	DFT-15	Right Tilted	Ant 2	DSI 2	349000	1745	23.19	24.00	1.205	-	1.000	-0.15	0.084	0.101
	FR1 n66	40M	QPSK	1	1	DFT-15	Left Cheek	Ant 2	DSI 2	349000	1745	23.19	24.00	1.205	-	1.000	0.18	0.114	0.137
	FR1 n66	40M	QPSK	1	1	DFT-15	Left Tilted	Ant 2	DSI 2	349000	1745	23.19	24.00	1.205	-	1.000	-0.08	0.090	0.108
	FR1 n66	40M	QPSK	108	54	DFT-15	Right Cheek	Ant 2	DSI 2	349000	1745	23.17	24.00	1.211	-	1.000	-0.03	0.078	0.094
	FR1 n66	40M	QPSK	108	54	DFT-15	Right Tilted	Ant 2	DSI 2	349000	1745	23.17	24.00	1.211	-	1.000	-0.14	0.086	0.104
	FR1 n66	40M	QPSK	108	54	DFT-15	Left Cheek	Ant 2	DSI 2	349000	1745	23.17	24.00	1.211	-	1.000	-0.1	0.119	0.144
	FR1 n66	40M	QPSK	108	54	DFT-15	Left Tilted	Ant 2	DSI 2	349000	1745	23.17	24.00	1.211	-	1.000	-0.11	0.091	0.110
1900MHz																			
16	GSM1900	-	-	-	-	GPRS 3 Tx slots	Right Cheek	Ant 1	DSI 2	661	1880	19.63	21.00	1.371	-	1.000	0.1	0.652	**0.894**
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Right Tilted	Ant 1	DSI 2	661	1880	19.63	21.00	1.371	-	1.000	0.08	0.605	0.829
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Left Cheek	Ant 1	DSI 2	661	1880	19.63	21.00	1.371	-	1.000	-0.13	0.234	0.321
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Left Tilted	Ant 1	DSI 2	661	1880	19.63	21.00	1.371	-	1.000	0.08	0.380	0.521
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Right Cheek	Ant 1	DSI 2	512	1850.2	19.34	21.00	1.466	-	1.000	-0.05	0.520	0.762
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Right Cheek	Ant 1	DSI 2	810	1909.8	19.57	21.00	1.390	-	1.000	-0.05	0.640	0.890
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Right Tilted	Ant 1	DSI 2	512	1850.2	19.34	21.00	1.466	-	1.000	0.11	0.483	0.708
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Right Tilted	Ant 1	DSI 2	810	1909.8	19.57	21.00	1.390	-	1.000	0.01	0.498	0.692
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Right Cheek	Ant 2	DSI 2	661	1880	26.10	26.50	1.096	-	1.000	0.03	0.042	0.046
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Right Tilted	Ant 2	DSI 2	661	1880	26.10	26.50	1.096	-	1.000	-0.01	0.046	0.050
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Left Cheek	Ant 2	DSI 2	661	1880	26.10	26.50	1.096	-	1.000	0.19	0.063	0.069
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Left Tilted	Ant 2	DSI 2	661	1880	26.10	26.50	1.096	-	1.000	-0.08	0.053	0.058
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Cheek	Ant 1	DSI 2	9400	1880	15.36	16.30	1.242	-	1.000	-0.01	0.657	0.816
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Tilted	Ant 1	DSI 2	9400	1880	15.36	16.30	1.242	-	1.000	-0.06	0.601	0.746
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Cheek	Ant 1	DSI 2	9400	1880	15.36	16.30	1.242	-	1.000	-0.08	0.216	0.268
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Tilted	Ant 1	DSI 2	9400	1880	15.36	16.30	1.242	-	1.000	-0.06	0.328	0.407
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Cheek	Ant 1	DSI 2	9262	1852.4	15.05	16.30	1.334	-	1.000	-0.19	0.565	0.753
17	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Cheek	Ant 1	DSI 2	9538	1907.6	15.11	16.30	1.315	-	1.000	0.03	0.676	**0.889**
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Cheek	Ant 2	DSI 2	9400	1880	24.52	25.00	1.117	-	1.000	-0.02	0.142	0.159
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Tilted	Ant 2	DSI 2	9400	1880	24.52	25.00	1.117	-	1.000	0.05	0.157	0.175
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Cheek	Ant 2	DSI 2	9400	1880	24.52	25.00	1.117	-	1.000	-0.11	0.172	0.192
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Tilted	Ant 2	DSI 2	9400	1880	24.52	25.00	1.117	-	1.000	-0.05	0.165	0.184
	LTE Band 25	20M	QPSK	1	49	-	Right Cheek	Ant 1	DSI 2	26340	1880	15.56	16.60	1.271	-	1.000	-0.06	0.637	0.809
	LTE Band 25	20M	QPSK	1	49	-	Right Tilted	Ant 1	DSI 2	26340	1880	15.56	16.60	1.271	-	1.000	-0.09	0.590	0.750
	LTE Band 25	20M	QPSK	1	49	-	Left Cheek	Ant 1	DSI 2	26340	1880	15.56	16.60	1.271	-	1.000	0.06	0.199	0.253
	LTE Band 25	20M	QPSK	1	49	-	Left Tilted	Ant 1	DSI 2	26340	1880	15.56	16.60	1.271	-	1.000	-0.06	0.317	0.403
	LTE Band 25	20M	QPSK	1	49	-	Right Cheek	Ant 1	DSI 2	26140	1860	15.46	16.60	1.300	-	1.000	-0.03	0.547	0.711
18	LTE Band 25	20M	QPSK	1	49	-	Right Cheek	Ant 1	DSI 2	26590	1905	15.47	16.60	1.297	-	1.000	0.06	0.665	**0.863**
	LTE Band 25	20M	QPSK	50	24	-	Right Cheek	Ant 1	DSI 2	26340	1880	15.54	16.60	1.276	-	1.000	-0.07	0.627	0.800
	LTE Band 25	20M	QPSK	50	24	-	Right Tilted	Ant 1	DSI 2	26340	1880	15.54	16.60	1.276	-	1.000	0.13	0.573	0.731
	LTE Band 25	20M	QPSK	50	24	-	Left Cheek	Ant 1	DSI 2	26340	1880	15.54	16.60	1.276	-	1.000	0	0.194	0.248
	LTE Band 25	20M	QPSK	50	24	-	Left Tilted	Ant 1	DSI 2	26340	1880	15.54	16.60	1.276	-	1.000	0.15	0.316	0.403
	LTE Band 25	20M	QPSK	50	24	-	Right Cheek	Ant 1	DSI 2	26140	1860	15.44	16.60	1.306	-	1.000	-0.19	0.529	0.691
	LTE Band 25	20M	QPSK	50	24	-	Right Cheek	Ant 1	DSI 2	26590	1905	15.45	16.60	1.303	-	1.000	-0.01	0.653	0.851
	LTE Band 25	20M	QPSK	100	0	-	Right Cheek	Ant 1	DSI 2	26340	1880	15.53	16.60	1.279	-	1.000	-0.16	0.618	0.791
	LTE Band 25	20M	QPSK	1	49	-	Right Cheek	Ant 2	DSI 2	26340	1880	23.19	24.00	1.205	-	1.000	-0.06	0.092	0.111
	LTE Band 25	20M	QPSK	1	49	-	Right Tilted	Ant 2	DSI 2	26340	1880	23.19	24.00	1.205	-	1.000	-0.15	0.104	0.125
	LTE Band 25	20M	QPSK	1	49	-	Left Cheek	Ant 2	DSI 2	26340	1880	23.19	24.00	1.205	-	1.000	-0.06	0.126	0.152
	LTE Band 25	20M	QPSK	1	49	-	Left Tilted	Ant 2	DSI 2	26340	1880	23.19	24.00	1.205	-	1.000	-0.16	0.111	0.134
	LTE Band 25	20M	QPSK	50	24	-	Right Cheek	Ant 2	DSI 2	26340	1880	23.16	24.00	1.213	-	1.000	-0.03	0.089	0.108
	LTE Band 25	20M	QPSK	50	24	-	Right Tilted	Ant 2	DSI 2	26340	1880	23.16	24.00	1.213	-	1.000	0.12	0.103	0.125
	LTE Band 25	20M	QPSK	50	24	-	Left Cheek	Ant 2	DSI 2	26340	1880	23.16	24.00	1.213	-	1.000	-0.03	0.123	0.149
	LTE Band 25	20M	QPSK	50	24	-	Left Tilted	Ant 2	DSI 2	26340	1880	23.16	24.00	1.213	-	1.000	-0.18	0.108	0.131

19	FR1 n25	20M	QPSK	1	1	DFT-15	Right Cheek	Ant 1	DSI 2	376500	1882.5	15.92	16.50	1.143	-	1.000	-0.01	0.757	**0.865**
	FR1 n25	20M	QPSK	1	1	DFT-15	Right Tilted	Ant 1	DSI 2	376500	1882.5	15.92	16.50	1.143	-	1.000	0.17	0.695	0.794
	FR1 n25	20M	QPSK	1	1	DFT-15	Left Cheek	Ant 1	DSI 2	376500	1882.5	15.92	16.50	1.143	-	1.000	0.04	0.293	0.335
	FR1 n25	20M	QPSK	1	1	DFT-15	Left Tilted	Ant 1	DSI 2	376500	1882.5	15.92	16.50	1.143	-	1.000	0.18	0.465	0.531
	FR1 n25	20M	QPSK	1	1	DFT-15	Right Cheek	Ant 1	DSI 2	372000	1860	15.70	16.50	1.202	-	1.000	0.08	0.673	0.809
	FR1 n25	20M	QPSK	1	1	DFT-15	Right Cheek	Ant 1	DSI 2	381000	1905	15.87	16.50	1.156	-	1.000	-0.14	0.706	0.816
	FR1 n25	20M	QPSK	50	28	DFT-15	Right Cheek	Ant 1	DSI 2	376500	1882.5	15.91	16.50	1.146	-	1.000	0.04	0.747	0.856
	FR1 n25	20M	QPSK	50	28	DFT-15	Right Tilted	Ant 1	DSI 2	376500	1882.5	15.91	16.50	1.146	-	1.000	0.07	0.678	0.777
	FR1 n25	20M	QPSK	50	28	DFT-15	Left Cheek	Ant 1	DSI 2	376500	1882.5	15.91	16.50	1.146	-	1.000	0.05	0.292	0.334
	FR1 n25	20M	QPSK	50	28	DFT-15	Left Tilted	Ant 1	DSI 2	376500	1882.5	15.91	16.50	1.146	-	1.000	0.05	0.488	0.559
	FR1 n25	20M	QPSK	50	28	DFT-15	Right Cheek	Ant 1	DSI 2	372000	1860	15.68	16.50	1.208	-	1.000	-0.03	0.710	0.858
	FR1 n25	20M	QPSK	50	28	DFT-15	Right Cheek	Ant 1	DSI 2	381000	1905	15.85	16.50	1.161	-	1.000	0.04	0.709	0.823
	FR1 n25	20M	QPSK	100	0	DFT-15	Right Cheek	Ant 1	DSI 2	376500	1882.5	15.89	16.50	1.151	-	1.000	0.05	0.733	0.844
	FR1 n25	20M	QPSK	1	1	DFT-15	Right Cheek	Ant 2	DSI 2	376500	1882.5	23.48	24.00	1.127	-	1.000	0.09	0.098	0.110
	FR1 n25	20M	QPSK	1	1	DFT-15	Right Tilted	Ant 2	DSI 2	376500	1882.5	23.48	24.00	1.127	-	1.000	-0.17	0.127	0.143
	FR1 n25	20M	QPSK	1	1	DFT-15	Left Cheek	Ant 2	DSI 2	376500	1882.5	23.48	24.00	1.127	-	1.000	-0.14	0.130	0.147
	FR1 n25	20M	QPSK	1	1	DFT-15	Left Tilted	Ant 2	DSI 2	376500	1882.5	23.48	24.00	1.127	-	1.000	0.05	0.106	0.119
	FR1 n25	20M	QPSK	50	28	DFT-15	Right Cheek	Ant 2	DSI 2	376500	1882.5	23.45	24.00	1.135	-	1.000	0.03	0.099	0.112
	FR1 n25	20M	QPSK	50	28	DFT-15	Right Tilted	Ant 2	DSI 2	376500	1882.5	23.45	24.00	1.135	-	1.000	-0.02	0.128	0.145
	FR1 n25	20M	QPSK	50	28	DFT-15	Left Cheek	Ant 2	DSI 2	376500	1882.5	23.45	24.00	1.135	-	1.000	0.01	0.131	0.149
	FR1 n25	20M	QPSK	50	28	DFT-15	Left Tilted	Ant 2	DSI 2	376500	1882.5	23.45	24.00	1.135	-	1.000	-0.09	0.109	0.124
2300MHz																			
	LTE Band 30	10M	QPSK	1	25	-	Right Cheek	Ant 1	DSI 2	27710	2310	16.36	17.30	1.242	-	1.000	-0.14	0.563	0.699
	LTE Band 30	10M	QPSK	1	25	-	Right Tilted	Ant 1	DSI 2	27710	2310	16.36	17.30	1.242	-	1.000	-0.04	0.679	0.843
	LTE Band 30	10M	QPSK	1	25	-	Left Cheek	Ant 1	DSI 2	27710	2310	16.36	17.30	1.242	-	1.000	0.07	0.459	0.570
	LTE Band 30	10M	QPSK	1	25	-	Left Tilted	Ant 1	DSI 2	27710	2310	16.36	17.30	1.242	-	1.000	-0.11	0.450	0.559
	LTE Band 30	10M	QPSK	25	12	-	Right Cheek	Ant 1	DSI 2	27710	2310	16.34	17.30	1.247	-	1.000	0.16	0.595	0.742
20	LTE Band 30	10M	QPSK	25	12	-	Right Tilted	Ant 1	DSI 2	27710	2310	16.34	17.30	1.247	-	1.000	0.18	0.719	**0.897**
	LTE Band 30	10M	QPSK	25	12	-	Left Cheek	Ant 1	DSI 2	27710	2310	16.34	17.30	1.247	-	1.000	0	0.478	0.596
	LTE Band 30	10M	QPSK	25	12	-	Left Tilted	Ant 1	DSI 2	27710	2310	16.34	17.30	1.247	-	1.000	-0.13	0.487	0.607
	LTE Band 30	10M	QPSK	50	0	-	Right Tilted	Ant 1	DSI 2	27710	2310	16.31	17.30	1.256	-	1.000	0.14	0.622	0.781
	LTE Band 30	10M	QPSK	1	25	-	Right Cheek	Ant 2	DSI 2	27710	2310	22.25	24.00	1.496	-	1.000	0.15	0.103	0.154
	LTE Band 30	10M	QPSK	1	25	-	Right Tilted	Ant 2	DSI 2	27710	2310	22.25	24.00	1.496	-	1.000	-0.16	0.057	0.085
	LTE Band 30	10M	QPSK	1	25	-	Left Cheek	Ant 2	DSI 2	27710	2310	22.25	24.00	1.496	-	1.000	0.05	0.056	0.084
	LTE Band 30	10M	QPSK	1	25	-	Left Tilted	Ant 2	DSI 2	27710	2310	22.25	24.00	1.496	-	1.000	-0.11	0.041	0.061
	LTE Band 30	10M	QPSK	25	12	-	Right Cheek	Ant 2	DSI 2	27710	2310	22.24	24.00	1.500	-	1.000	-0.18	0.101	0.151
	LTE Band 30	10M	QPSK	25	12	-	Right Tilted	Ant 2	DSI 2	27710	2310	22.24	24.00	1.500	-	1.000	0.03	0.057	0.085
	LTE Band 30	10M	QPSK	25	12	-	Left Cheek	Ant 2	DSI 2	27710	2310	22.24	24.00	1.500	-	1.000	0.14	0.057	0.085
	LTE Band 30	10M	QPSK	25	12	-	Left Tilted	Ant 2	DSI 2	27710	2310	22.24	24.00	1.500	-	1.000	0.13	0.042	0.063
	FR1 n30	10M	QPSK	1	1	DFT-15	Right Cheek	Ant 1	DSI 2	462000	2310	15.98	17.00	1.265	-	1.000	0.16	0.554	0.701
21	FR1 n30	10M	QPSK	1	1	DFT-15	Right Tilted	Ant 1	DSI 2	462000	2310	15.98	17.00	1.265	-	1.000	0.06	0.641	**0.811**
	FR1 n30	10M	QPSK	1	1	DFT-15	Left Cheek	Ant 1	DSI 2	462000	2310	15.98	17.00	1.265	-	1.000	-0.1	0.449	0.568
	FR1 n30	10M	QPSK	1	1	DFT-15	Left Tilted	Ant 1	DSI 2	462000	2310	15.98	17.00	1.265	-	1.000	0.13	0.461	0.583
	FR1 n30	10M	QPSK	25	14	DFT-15	Right Cheek	Ant 1	DSI 2	462000	2310	15.97	17.00	1.268	-	1.000	-0.17	0.549	0.696
	FR1 n30	10M	QPSK	25	14	DFT-15	Right Tilted	Ant 1	DSI 2	462000	2310	15.97	17.00	1.268	-	1.000	0.17	0.621	0.787
	FR1 n30	10M	QPSK	25	14	DFT-15	Left Cheek	Ant 1	DSI 2	462000	2310	15.97	17.00	1.268	-	1.000	0.12	0.448	0.568
	FR1 n30	10M	QPSK	25	14	DFT-15	Left Tilted	Ant 1	DSI 2	462000	2310	15.97	17.00	1.268	-	1.000	0.13	0.458	0.581
	FR1 n30	10M	QPSK	50	0	DFT-15	Right Tilted	Ant 1	DSI 2	462000	2310	15.96	17.00	1.271	-	1.000	0.12	0.624	0.793
	FR1 n30	10M	QPSK	1	1	DFT-15	Right Cheek	Ant 2	DSI 2	462000	2310	22.00	23.00	1.259	-	1.000	0.07	0.101	0.127
	FR1 n30	10M	QPSK	1	1	DFT-15	Right Tilted	Ant 2	DSI 2	462000	2310	22.00	23.00	1.259	-	1.000	0.18	0.067	0.084
	FR1 n30	10M	QPSK	1	1	DFT-15	Left Cheek	Ant 2	DSI 2	462000	2310	22.00	23.00	1.259	-	1.000	-0.11	0.069	0.087
	FR1 n30	10M	QPSK	1	1	DFT-15	Left Tilted	Ant 2	DSI 2	462000	2310	22.00	23.00	1.259	-	1.000	0.02	0.043	0.054
	FR1 n30	10M	QPSK	25	14	DFT-15	Right Cheek	Ant 2	DSI 2	462000	2310	21.97	23.00	1.268	-	1.000	0.15	0.101	0.128
	FR1 n30	10M	QPSK	25	14	DFT-15	Right Tilted	Ant 2	DSI 2	462000	2310	21.97	23.00	1.268	-	1.000	-0.05	0.059	0.075
	FR1 n30	10M	QPSK	25	14	DFT-15	Left Cheek	Ant 2	DSI 2	462000	2310	21.97	23.00	1.268	-	1.000	0.05	0.068	0.086
	FR1 n30	10M	QPSK	25	14	DFT-15	Left Tilted	Ant 2	DSI 2	462000	2310	21.97	23.00	1.268	-	1.000	0.11	0.045	0.057

2600MHz																			
	LTE Band 7	20M	QPSK	1	49	-	Right Cheek	Ant 1	DSI 2	21100	2535	15.06	16.10	1.271	-	1.000	0.15	0.523	0.665
	LTE Band 7	20M	QPSK	1	49	-	Right Tilted	Ant 1	DSI 2	21100	2535	15.06	16.10	1.271	-	1.000	0.13	0.632	0.803
	LTE Band 7	20M	QPSK	1	49	-	Left Cheek	Ant 1	DSI 2	21100	2535	15.06	16.10	1.271	-	1.000	0.18	0.398	0.506
	LTE Band 7	20M	QPSK	1	49	-	Left Tilted	Ant 1	DSI 2	21100	2535	15.06	16.10	1.271	-	1.000	0	0.449	0.570
22	LTE Band 7	20M	QPSK	1	49	-	Right Tilted	Ant 1	DSI 2	20850	2510	14.94	16.10	1.306	-	1.000	0.08	0.641	**0.837**
	LTE Band 7C	20M	QPSK	1	49	-	Right Tilted	Ant 1	DSI 2	20850+ 21048	2510+ 2529.8	15.00	16.10	1.288	-	1.000	0.01	0.626	0.806
	LTE Band 7	20M	QPSK	1	49	-	Right Tilted	Ant 1	DSI 2	21350	2560	14.96	16.10	1.300	-	1.000	-0.08	0.612	0.796
	LTE Band 7	20M	QPSK	50	24	-	Right Cheek	Ant 1	DSI 2	21100	2535	15.04	16.10	1.276	-	1.000	-0.17	0.526	0.671
	LTE Band 7	20M	QPSK	50	24	-	Right Tilted	Ant 1	DSI 2	21100	2535	15.04	16.10	1.276	-	1.000	0.04	0.621	0.793
	LTE Band 7	20M	QPSK	50	24	-	Left Cheek	Ant 1	DSI 2	21100	2535	15.04	16.10	1.276	-	1.000	-0.16	0.390	0.498
	LTE Band 7	20M	QPSK	50	24	-	Left Tilted	Ant 1	DSI 2	21100	2535	15.04	16.10	1.276	-	1.000	0.16	0.438	0.559
	LTE Band 7	20M	QPSK	100	0	-	Right Tilted	Ant 1	DSI 2	21100	2535	15.02	16.10	1.282	-	1.000	0.16	0.611	0.784
	LTE Band 7	20M	QPSK	1	49	-	Right Cheek	Ant 2	DSI 2	21100	2535	23.35	24.00	1.161	-	1.000	-0.05	0.359	0.417
	LTE Band 7C	20M	QPSK	1	49	-	Right Cheek	Ant 2	DSI 2	21100 +21298	2535 +2554.8	23.34	24.00	1.164	-	1.000	0.012	0.339	0.395
	LTE Band 7	20M	QPSK	1	49	-	Right Tilted	Ant 2	DSI 2	21100	2535	23.35	24.00	1.161	-	1.000	-0.19	0.189	0.220
	LTE Band 7	20M	QPSK	1	49	-	Left Cheek	Ant 2	DSI 2	21100	2535	23.35	24.00	1.161	-	1.000	-0.06	0.186	0.216
	LTE Band 7	20M	QPSK	1	49	-	Left Tilted	Ant 2	DSI 2	21100	2535	23.35	24.00	1.161	-	1.000	0.01	0.149	0.173
	LTE Band 7	20M	QPSK	50	24	-	Right Cheek	Ant 2	DSI 2	21100	2535	23.34	24.00	1.164	-	1.000	0.1	0.283	0.329
	LTE Band 7	20M	QPSK	50	24	-	Right Tilted	Ant 2	DSI 2	21100	2535	23.34	24.00	1.164	-	1.000	-0.14	0.148	0.172
	LTE Band 7	20M	QPSK	50	24	-	Left Cheek	Ant 2	DSI 2	21100	2535	23.34	24.00	1.164	-	1.000	0.18	0.160	0.186
	LTE Band 7	20M	QPSK	50	24	-	Left Tilted	Ant 2	DSI 2	21100	2535	23.34	24.00	1.164	-	1.000	0.14	0.117	0.136
	LTE Band 41	20M	QPSK	1	49	-	Right Cheek	Ant 1	DSI 2	40620	2593	17.58	18.50	1.236	62.9	1.006	0.1	0.538	0.669
23	LTE Band 41	20M	QPSK	1	49	-	Right Tilted	Ant 1	DSI 2	40620	2593	17.58	18.50	1.236	62.9	1.006	-0.06	0.711	**0.884**
	LTE Band 41C	20M	QPSK	1	49	-	Right Tilted	Ant 1	DSI 2	40620 +40818	2593 +2612.8	17.55	18.50	1.245	62.9	1.006	-0.06	0.695	0.870
	LTE Band 41	20M	QPSK	1	49	-	Left Cheek	Ant 1	DSI 2	40620	2593	17.58	18.50	1.236	62.9	1.006	-0.06	0.404	0.502
	LTE Band 41	20M	QPSK	1	49	-	Left Tilted	Ant 1	DSI 2	40620	2593	17.58	18.50	1.236	62.9	1.006	-0.11	0.480	0.597
	LTE Band 41	20M	QPSK	1	49	-	Right Cheek	Ant 1	DSI 2	39750	2506	17.38	18.50	1.294	62.9	1.006	0.08	0.505	0.657
	LTE Band 41	20M	QPSK	1	49	-	Right Cheek	Ant 1	DSI 2	40185	2549.5	17.52	18.50	1.253	62.9	1.006	0.12	0.503	0.634
	LTE Band 41	20M	QPSK	1	49	-	Right Cheek	Ant 1	DSI 2	41055	2636.5	17.44	18.50	1.276	62.9	1.006	-0.04	0.454	0.583
	LTE Band 41	20M	QPSK	1	49	-	Right Cheek	Ant 1	DSI 2	41490	2680	17.36	18.50	1.300	62.9	1.006	0.09	0.403	0.527
	LTE Band 41	20M	QPSK	1	49	-	Right Tilted	Ant 1	DSI 2	39750	2506	17.38	18.50	1.294	62.9	1.006	0.11	0.675	0.879
	LTE Band 41	20M	QPSK	1	49	-	Right Tilted	Ant 1	DSI 2	40185	2549.5	17.52	18.50	1.253	62.9	1.006	-0.05	0.672	0.847
	LTE Band 41	20M	QPSK	1	49	-	Right Tilted	Ant 1	DSI 2	41055	2636.5	17.44	18.50	1.276	62.9	1.006	0.04	0.611	0.785
	LTE Band 41	20M	QPSK	1	49	-	Right Tilted	Ant 1	DSI 2	41490	2680	17.36	18.50	1.300	62.9	1.006	-0.01	0.558	0.730
	LTE Band 41_PC2	20M	QPSK	1	49	-	Right Tilted	Ant 1	DSI 2	40620	2593	19.23	20.10	1.222	42.9	1.009	0.11	0.699	0.862
	LTE Band 41	20M	QPSK	50	24	-	Right Cheek	Ant 1	DSI 2	40620	2593	17.56	18.50	1.242	62.9	1.006	0.12	0.531	0.663
	LTE Band 41	20M	QPSK	50	24	-	Right Tilted	Ant 1	DSI 2	40620	2593	17.56	18.50	1.242	62.9	1.006	0.13	0.694	0.867
	LTE Band 41	20M	QPSK	50	24	-	Left Cheek	Ant 1	DSI 2	40620	2593	17.56	18.50	1.242	62.9	1.006	-0.09	0.388	0.485
	LTE Band 41	20M	QPSK	50	24	-	Left Tilted	Ant 1	DSI 2	40620	2593	17.56	18.50	1.242	62.9	1.006	0.17	0.473	0.591
	LTE Band 41	20M	QPSK	50	24	-	Right Cheek	Ant 1	DSI 2	39750	2506	17.36	18.50	1.300	62.9	1.006	0.11	0.501	0.655
	LTE Band 41	20M	QPSK	50	24	-	Right Cheek	Ant 1	DSI 2	40185	2549.5	17.49	18.50	1.262	62.9	1.006	0.06	0.497	0.631
	LTE Band 41	20M	QPSK	50	24	-	Right Cheek	Ant 1	DSI 2	41055	2636.5	17.41	18.50	1.285	62.9	1.006	0.13	0.451	0.583
	LTE Band 41	20M	QPSK	50	24	-	Right Cheek	Ant 1	DSI 2	41490	2680	17.33	18.50	1.309	62.9	1.006	-0.07	0.400	0.527
	LTE Band 41	20M	QPSK	50	24	-	Right Tilted	Ant 1	DSI 2	39750	2506	17.36	18.50	1.300	62.9	1.006	-0.06	0.657	0.859
	LTE Band 41	20M	QPSK	50	24	-	Right Tilted	Ant 1	DSI 2	40185	2549.5	17.49	18.50	1.262	62.9	1.006	-0.11	0.653	0.829
	LTE Band 41	20M	QPSK	50	24	-	Right Tilted	Ant 1	DSI 2	41055	2636.5	17.41	18.50	1.285	62.9	1.006	0.19	0.597	0.772
	LTE Band 41	20M	QPSK	50	24	-	Right Tilted	Ant 1	DSI 2	41490	2680	17.33	18.50	1.309	62.9	1.006	0.04	0.532	0.701
	LTE Band 41	20M	QPSK	100	0	-	Right Cheek	Ant 1	DSI 2	40620	2593	17.53	18.50	1.250	62.9	1.006	0.09	0.524	0.659
	LTE Band 41	20M	QPSK	100	0	-	Right Tilted	Ant 1	DSI 2	40620	2593	17.53	18.50	1.250	62.9	1.006	-0.12	0.683	0.859
	LTE Band 41	20M	QPSK	1	49	-	Right Cheek	Ant 2	DSI 2	40620	2593	23.01	24.00	1.256	62.9	1.006	0.11	0.296	0.374
	LTE Band 41C	20M	QPSK	1	49	-	Right Cheek	Ant 2	DSI 2	40620 +40818	2593 +2612.8	23.00	24.00	1.259	62.9	1.006	0.03	0.292	0.370
	LTE Band 41	20M	QPSK	1	49	-	Right Tilted	Ant 2	DSI 2	40620	2593	23.01	24.00	1.256	62.9	1.006	0.12	0.114	0.144
	LTE Band 41	20M	QPSK	1	49	-	Left Cheek	Ant 2	DSI 2	40620	2593	23.01	24.00	1.256	62.9	1.006	-0.09	0.129	0.163
	LTE Band 41	20M	QPSK	1	49	-	Left Tilted	Ant 2	DSI 2	40620	2593	23.01	24.00	1.256	62.9	1.006	-0.13	0.086	0.109

	LTE Band 41_PC2	20M	QPSK	1	49	-	Right Cheek	Ant 2	DSI 2	40620	2593	24.61	25.50	1.227	42.9	1.009	-0.06	0.272	0.337
	LTE Band 41	20M	QPSK	50	24	-	Right Cheek	Ant 2	DSI 2	40620	2593	22.99	24.00	1.262	62.9	1.006	0.09	0.236	0.300
	LTE Band 41	20M	QPSK	50	24	-	Right Tilted	Ant 2	DSI 2	40620	2593	22.99	24.00	1.262	62.9	1.006	-0.09	0.092	0.117
	LTE Band 41	20M	QPSK	50	24	-	Left Cheek	Ant 2	DSI 2	40620	2593	22.99	24.00	1.262	62.9	1.006	-0.08	0.107	0.136
	LTE Band 41	20M	QPSK	50	24	-	Left Tilted	Ant 2	DSI 2	40620	2593	22.99	24.00	1.262	62.9	1.006	0.05	0.076	0.096
	FR1 n7	40M	QPSK	1	1	DFT-15	Right Cheek	Ant 1	DSI 2	507000	2535	14.81	15.50	1.172	-	1.000	-0.1	0.547	0.641
	FR1 n7	40M	QPSK	1	1	DFT-15	Right Tilted	Ant 1	DSI 2	507000	2535	14.81	15.50	1.172	-	1.000	0.01	0.722	0.846
	FR1 n7	40M	QPSK	1	1	DFT-15	Left Cheek	Ant 1	DSI 2	507000	2535	14.81	15.50	1.172	-	1.000	0.04	0.434	0.509
	FR1 n7	40M	QPSK	1	1	DFT-15	Left Tilted	Ant 1	DSI 2	507000	2535	14.81	15.50	1.172	-	1.000	0.15	0.559	0.655
	FR1 n7	40M	QPSK	108	54	DFT-15	Right Cheek	Ant 1	DSI 2	507000	2535	14.79	15.50	1.178	-	1.000	-0.14	0.572	0.674
24	FR1 n7	40M	QPSK	108	54	DFT-15	Right Tilted	Ant 1	DSI 2	507000	2535	14.79	15.50	1.178	-	1.000	-0.08	0.726	**0.855**
	FR1 n7	40M	QPSK	108	54	DFT-15	Left Cheek	Ant 1	DSI 2	507000	2535	14.79	15.50	1.178	-	1.000	-0.14	0.456	0.537
	FR1 n7	40M	QPSK	108	54	DFT-15	Left Tilted	Ant 1	DSI 2	507000	2535	14.79	15.50	1.178	-	1.000	-0.15	0.589	0.694
	FR1 n7	40M	QPSK	216	0	DFT-15	Right Tilted	Ant 1	DSI 2	507000	2535	14.76	15.50	1.186	-	1.000	-0.06	0.712	0.844
	FR1 n41	100M	QPSK	1	1	DFT-30	Right Cheek	Ant 0	DSI 2	518598	2592.99	18.64	20.00	1.368	-	1.000	0.16	0.101	0.138
	FR1 n41	100M	QPSK	1	1	DFT-30	Right Tilted	Ant 0	DSI 2	518598	2592.99	18.64	20.00	1.368	-	1.000	-0.15	0.115	0.157
	FR1 n41	100M	QPSK	1	1	DFT-30	Left Cheek	Ant 0	DSI 2	518598	2592.99	18.64	20.00	1.368	-	1.000	0.09	0.174	0.238
	FR1 n41	100M	QPSK	1	1	DFT-30	Left Tilted	Ant 0	DSI 2	518598	2592.99	18.64	20.00	1.368	-	1.000	-0.15	0.066	0.090
	FR1 n41	100M	QPSK	135	69	DFT-30	Right Cheek	Ant 0	DSI 2	518598	2592.99	18.62	20.00	1.374	-	1.000	-0.08	0.108	0.148
	FR1 n41	100M	QPSK	135	69	DFT-30	Right Tilted	Ant 0	DSI 2	518598	2592.99	18.62	20.00	1.374	-	1.000	-0.05	0.120	0.165
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Cheek	Ant 0	DSI 2	518598	2592.99	18.62	20.00	1.374	-	1.000	-0.01	0.183	0.251
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Tilted	Ant 0	DSI 2	518598	2592.99	18.62	20.00	1.374	-	1.000	0.01	0.067	0.092
	FR1 n41_PC2	100M	QPSK	135	69	DFT-30	Left Cheek	Ant 0	DSI 2	518598	2592.99	21.70	23.00	1.349	50	1.000	-0.01	0.180	0.243
	FR1 n41	100M	QPSK	1	1	DFT-30	Right Cheek	Ant 1	DSI 2	518598	2592.99	14.77	16.00	1.327	-	1.000	0.1	0.424	0.563
	FR1 n41	100M	QPSK	1	1	DFT-30	Right Tilted	Ant 1	DSI 2	518598	2592.99	14.77	16.00	1.327	-	1.000	0	0.624	0.828
	FR1 n41	100M	QPSK	1	1	DFT-30	Left Cheek	Ant 1	DSI 2	518598	2592.99	14.77	16.00	1.327	-	1.000	-0.16	0.315	0.418
	FR1 n41	100M	QPSK	1	1	DFT-30	Left Tilted	Ant 1	DSI 2	518598	2592.99	14.77	16.00	1.327	-	1.000	0.13	0.408	0.542
	FR1 n41	100M	QPSK	135	69	DFT-30	Right Cheek	Ant 1	DSI 2	518598	2592.99	14.74	16.00	1.337	-	1.000	0.17	0.446	0.596
	FR1 n41	100M	QPSK	135	69	DFT-30	Right Tilted	Ant 1	DSI 2	518598	2592.99	14.74	16.00	1.337	-	1.000	-0.15	0.640	0.855
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Cheek	Ant 1	DSI 2	518598	2592.99	14.74	16.00	1.337	-	1.000	0.16	0.329	0.440
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Tilted	Ant 1	DSI 2	518598	2592.99	14.74	16.00	1.337	-	1.000	0.16	0.406	0.543
	FR1 n41_PC2	100M	QPSK	135	69	DFT-30	Right Tilted	Ant 1	DSI 2	518598	2592.99	17.68	19.00	1.355	50	1.000	-0.15	0.652	0.884
	FR1 n41	100M	QPSK	270	0	DFT-30	Right Tilted	Ant 1	DSI 2	518598	2592.99	14.72	16.00	1.343	-	1.000	0.1	0.622	0.835
	FR1 n41	100M	QPSK	1	1	DFT-30	Right Cheek	Ant 2	DSI 2	518598	2592.99	22.88	24.00	1.294	-	1.000	0.14	0.221	0.286
	FR1 n41	100M	QPSK	1	1	DFT-30	Right Tilted	Ant 2	DSI 2	518598	2592.99	22.88	24.00	1.294	-	1.000	-0.17	0.108	0.140
	FR1 n41	100M	QPSK	1	1	DFT-30	Left Cheek	Ant 2	DSI 2	518598	2592.99	22.88	24.00	1.294	-	1.000	-0.03	0.120	0.155
	FR1 n41	100M	QPSK	1	1	DFT-30	Left Tilted	Ant 2	DSI 2	518598	2592.99	22.88	24.00	1.294	-	1.000	0.12	0.084	0.109
	FR1 n41	100M	QPSK	135	69	DFT-30	Right Cheek	Ant 2	DSI 2	518598	2592.99	22.86	24.00	1.300	-	1.000	-0.18	0.238	0.309
	FR1 n41	100M	QPSK	135	69	DFT-30	Right Tilted	Ant 2	DSI 2	518598	2592.99	22.86	24.00	1.300	-	1.000	0	0.108	0.140
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Cheek	Ant 2	DSI 2	518598	2592.99	22.86	24.00	1.300	-	1.000	-0.17	0.117	0.152
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Tilted	Ant 2	DSI 2	518598	2592.99	22.86	24.00	1.300	-	1.000	-0.05	0.104	0.135
	FR1 n41_PC2	100M	QPSK	135	69	DFT-30	Right Cheek	Ant 2	DSI 2	518598	2592.99	25.83	27.00	1.309	50	1.000	-0.18	0.225	0.295
	FR1 n41	100M	QPSK	1	1	DFT-30	Right Cheek	Ant 4	DSI 2	518598	2592.99	17.14	18.00	1.219	-	1.000	-0.08	0.411	0.501
	FR1 n41	100M	QPSK	1	1	DFT-30	Right Tilted	Ant 4	DSI 2	518598	2592.99	17.14	18.00	1.219	-	1.000	0.05	0.479	0.584
	FR1 n41	100M	QPSK	1	1	DFT-30	Left Cheek	Ant 4	DSI 2	518598	2592.99	17.14	18.00	1.219	-	1.000	-0.04	0.553	0.674
25	FR1 n41	100M	QPSK	1	1	DFT-30	Left Tilted	Ant 4	DSI 2	518598	2592.99	17.14	18.00	1.219	-	1.000	0.15	0.730	**0.890**
	FR1 n41_PC2	100M	QPSK	1	1	DFT-30	Left Tilted	Ant 4	DSI 2	518598	2592.99	20.16	21.00	1.213	50	1.000	-0.01	0.727	0.882
	FR1 n41	100M	QPSK	135	69	DFT-30	Right Cheek	Ant 4	DSI 2	518598	2592.99	17.11	18.00	1.227	-	1.000	-0.06	0.409	0.502
	FR1 n41	100M	QPSK	135	69	DFT-30	Right Tilted	Ant 4	DSI 2	518598	2592.99	17.11	18.00	1.227	-	1.000	0.07	0.463	0.568
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Cheek	Ant 4	DSI 2	518598	2592.99	17.11	18.00	1.227	-	1.000	-0.03	0.541	0.664
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Tilted	Ant 4	DSI 2	518598	2592.99	17.11	18.00	1.227	-	1.000	-0.17	0.715	0.878
	FR1 n41	100M	QPSK	270	0	DFT-30	Left Cheek	Ant 4	DSI 2	518598	2592.99	17.10	18.00	1.230	-	1.000	0.07	0.543	0.668
	FR1 n41	100M	QPSK	270	0	DFT-30	Left Tilted	Ant 4	DSI 2	518598	2592.99	17.10	18.00	1.230	-	1.000	0.05	0.711	0.875
3500/3700/3900MHz																			
	LTE Band 48	20M	QPSK	1	49	-	Right Cheek	Ant 3	DSI 2	55340	3560	21.52	22.00	1.117	62.9	1.006	-0.09	0.749	0.842
	LTE Band 48	20M	QPSK	1	49	-	Right Tilted	Ant 3	DSI 2	55340	3560	21.52	22.00	1.117	62.9	1.006	0.15	0.533	0.599

	LTE Band 48	20M	QPSK	1	49	-	Left Cheek	Ant 3	DSI 2	55340	3560	21.52	22.00	1.117	62.9	1.006	-0.14	0.305	0.343
	LTE Band 48	20M	QPSK	1	49	-	Left Tilted	Ant 3	DSI 2	55340	3560	21.52	22.00	1.117	62.9	1.006	0.15	0.269	0.302
26	LTE Band 48	20M	QPSK	1	49	-	Right Cheek	Ant 3	DSI 2	55830	3609	21.44	22.00	1.138	62.9	1.006	0.03	0.763	**0.873**
	LTE Band 48C	20M	QPSK	1	99	-	Right Cheek	Ant 3	DSI 2	55830 +56028	3609 +3628.8	21.51	22.00	1.119	62.9	1.006	0.03	0.693	0.780
	LTE Band 48	20M	QPSK	1	49	-	Right Cheek	Ant 3	DSI 2	56150	3641	21.42	22.00	1.143	62.9	1.006	0.02	0.739	0.850
	LTE Band 48	20M	QPSK	1	49	-	Right Cheek	Ant 3	DSI 2	56640	3690	21.48	22.00	1.127	62.9	1.006	0.13	0.753	0.854
	LTE Band 48	20M	QPSK	50	24	-	Right Cheek	Ant 3	DSI 2	55340	3560	19.69	21.00	1.352	62.9	1.006	0.04	0.640	0.871
	LTE Band 48	20M	QPSK	50	24	-	Right Tilted	Ant 3	DSI 2	55340	3560	19.69	21.00	1.352	62.9	1.006	-0.14	0.438	0.596
	LTE Band 48	20M	QPSK	50	24	-	Left Cheek	Ant 3	DSI 2	55340	3560	19.69	21.00	1.352	62.9	1.006	0.07	0.266	0.362
	LTE Band 48	20M	QPSK	50	24	-	Left Tilted	Ant 3	DSI 2	55340	3560	19.69	21.00	1.352	62.9	1.006	-0.11	0.224	0.305
	LTE Band 48	20M	QPSK	50	24	-	Right Cheek	Ant 3	DSI 2	55830	3609	19.62	21.00	1.374	62.9	1.006	0.1	0.631	0.872
	LTE Band 48	20M	QPSK	50	24	-	Right Cheek	Ant 3	DSI 2	56150	3641	19.60	21.00	1.380	62.9	1.006	0.17	0.607	0.843
	LTE Band 48	20M	QPSK	50	24	-	Right Cheek	Ant 3	DSI 2	56640	3690	19.66	21.00	1.361	62.9	1.006	0.05	0.618	0.846
	LTE Band 48	20M	QPSK	100	0	-	Right Cheek	Ant 3	DSI 2	55340	3560	19.68	21.00	1.355	62.9	1.006	0.09	0.630	0.859
	LTE Band 48	20M	QPSK	1	49	-	Right Cheek	Ant 8	DSI 2	55340	3560	19.55	20.00	1.109	62.9	1.006	0.16	0.278	0.310
	LTE Band 48	20M	QPSK	1	49	-	Right Tilted	Ant 8	DSI 2	55340	3560	19.55	20.00	1.109	62.9	1.006	-0.16	0.643	0.717
	LTE Band 48C	20M	QPSK	1	99	-	Right Tilted	Ant 8	DSI 2	55340 +55538	3560 +3579.8	18.86	20.00	1.300	62.9	1.006	-0.16	0.547	0.715
	LTE Band 48	20M	QPSK	1	49	-	Left Cheek	Ant 8	DSI 2	55340	3560	19.55	20.00	1.109	62.9	1.006	0.12	0.178	0.199
	LTE Band 48	20M	QPSK	1	49	-	Left Tilted	Ant 8	DSI 2	55340	3560	19.55	20.00	1.109	62.9	1.006	-0.13	0.257	0.287
	LTE Band 48	20M	QPSK	1	49	-	Right Tilted	Ant 8	DSI 2	55830	3609	19.45	20.00	1.135	62.9	1.006	0.17	0.555	0.634
	LTE Band 48	20M	QPSK	1	49	-	Right Tilted	Ant 8	DSI 2	56150	3641	19.42	20.00	1.143	62.9	1.006	0.05	0.414	0.476
	LTE Band 48	20M	QPSK	1	49	-	Right Tilted	Ant 8	DSI 2	56640	3690	19.50	20.00	1.122	62.9	1.006	0.14	0.352	0.397
	LTE Band 48	20M	QPSK	50	24	-	Right Cheek	Ant 8	DSI 2	55340	3560	17.71	19.00	1.346	62.9	1.006	-0.16	0.099	0.134
	LTE Band 48	20M	QPSK	50	24	-	Right Tilted	Ant 8	DSI 2	55340	3560	17.71	19.00	1.346	62.9	1.006	0.02	0.131	0.177
	LTE Band 48	20M	QPSK	50	24	-	Left Cheek	Ant 8	DSI 2	55340	3560	17.71	19.00	1.346	62.9	1.006	-0.11	0.077	0.104
	LTE Band 48	20M	QPSK	50	24	-	Left Tilted	Ant 8	DSI 2	55340	3560	17.71	19.00	1.346	62.9	1.006	0.03	0.084	0.114
	LTE Band 48	20M	QPSK	50	24	-	Right Tilted	Ant 8	DSI 2	55830	3609	17.65	19.00	1.365	62.9	1.006	0.04	0.149	0.205
	LTE Band 48	20M	QPSK	50	24	-	Right Tilted	Ant 8	DSI 2	56150	3641	17.56	19.00	1.393	62.9	1.006	0.12	0.146	0.205
	LTE Band 48	20M	QPSK	50	24	-	Right Tilted	Ant 8	DSI 2	56640	3690	17.66	19.00	1.361	62.9	1.006	0.07	0.111	0.152
	LTE Band 48	20M	QPSK	100	0	-	Right Tilted	Ant 8	DSI 2	55340	3560	17.70	19.00	1.349	62.9	1.006	-0.18	0.077	0.104
	FR1 n48	40M	QPSK	1	1	DFT-30	Right Cheek	Ant 3	DSI 2	641666	3624.99	18.84	19.50	1.164	-	1.000	-0.03	0.712	0.829
	FR1 n48	40M	QPSK	1	1	DFT-30	Right Tilted	Ant 3	DSI 2	641666	3624.99	18.84	19.50	1.164	-	1.000	-0.08	0.585	0.681
	FR1 n48	40M	QPSK	1	1	DFT-30	Left Cheek	Ant 3	DSI 2	641666	3624.99	18.84	19.50	1.164	-	1.000	-0.13	0.298	0.347
	FR1 n48	40M	QPSK	1	1	DFT-30	Left Tilted	Ant 3	DSI 2	641666	3624.99	18.84	19.50	1.164	-	1.000	-0.03	0.271	0.315
	FR1 n48	40M	QPSK	50	28	DFT-30	Right Cheek	Ant 3	DSI 2	641666	3624.99	18.82	19.50	1.169	-	1.000	0.06	0.724	0.847
	FR1 n48	40M	QPSK	50	28	DFT-30	Right Tilted	Ant 3	DSI 2	641666	3624.99	18.82	19.50	1.169	-	1.000	0	0.591	0.691
	FR1 n48	40M	QPSK	50	28	DFT-30	Left Cheek	Ant 3	DSI 2	641666	3624.99	18.82	19.50	1.169	-	1.000	-0.16	0.294	0.344
	FR1 n48	40M	QPSK	50	28	DFT-30	Left Tilted	Ant 3	DSI 2	641666	3624.99	18.82	19.50	1.169	-	1.000	-0.06	0.264	0.309
	FR1 n48	40M	QPSK	100	0	DFT-30	Right Cheek	Ant 3	DSI 2	641666	3624.99	18.80	19.50	1.175	-	1.000	0.02	0.707	0.831
	FR1 n48	40M	QPSK	100	0	DFT-30	Right Tilted	Ant 3	DSI 2	641666	3624.99	18.80	19.50	1.175	-	1.000	0.11	0.583	0.685
	FR1 n48	40M	QPSK	1	1	DFT-30	Right Cheek	Ant 8	DSI 2	641666	3624.99	23.10	24.00	1.230	-	1.000	0.06	0.433	0.533
	FR1 n48	40M	QPSK	1	1	DFT-30	Right Tilted	Ant 8	DSI 2	641666	3624.99	23.10	24.00	1.230	-	1.000	-0.19	0.754	0.928
	FR1 n48	40M	QPSK	1	1	DFT-30	Left Cheek	Ant 8	DSI 2	641666	3624.99	23.10	24.00	1.230	-	1.000	0.03	0.323	0.397
	FR1 n48	40M	QPSK	1	1	DFT-30	Left Tilted	Ant 8	DSI 2	641666	3624.99	23.10	24.00	1.230	-	1.000	-0.19	0.361	0.444
	FR1 n48	40M	QPSK	50	28	DFT-30	Right Cheek	Ant 8	DSI 2	641666	3624.99	23.07	24.00	1.239	-	1.000	-0.03	0.454	0.562
27	FR1 n48	40M	QPSK	50	28	DFT-30	Right Tilted	Ant 8	DSI 2	641666	3624.99	23.07	24.00	1.239	-	1.000	0.19	0.762	**0.944**
	FR1 n48	40M	QPSK	50	28	DFT-30	Left Cheek	Ant 8	DSI 2	641666	3624.99	23.07	24.00	1.239	-	1.000	0.06	0.328	0.406
	FR1 n48	40M	QPSK	50	28	DFT-30	Left Tilted	Ant 8	DSI 2	641666	3624.99	23.07	24.00	1.239	-	1.000	0.04	0.363	0.450
	FR1 n48	40M	QPSK	100	0	DFT-30	Right Tilted	Ant 8	DSI 2	641666	3624.99	23.05	24.00	1.245	-	1.000	-0.03	0.755	0.940
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Cheek	Ant 3	DSI 2	633332	3499.98	17.09	18.00	1.233	-	1.000	-0.02	0.685	0.845
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Tilted	Ant 3	DSI 2	633332	3499.98	17.09	18.00	1.233	-	1.000	-0.19	0.586	0.723
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Cheek	Ant 3	DSI 2	633332	3499.98	17.09	18.00	1.233	-	1.000	-0.15	0.263	0.324
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Tilted	Ant 3	DSI 2	633332	3499.98	17.09	18.00	1.233	-	1.000	-0.07	0.265	0.327
	FR1 n77_PC2	100M	QPSK	1	1	DFT-30	Right Cheek	Ant 3	DSI 2	633332	3499.98	20.04	21.00	1.247	50	1.000	0.04	0.676	0.843
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Cheek	Ant 3	DSI 2	633332	3499.98	17.07	18.00	1.239	-	1.000	0.02	0.676	0.837

	FR1 n77	100M	QPSK	135	69	DFT-30	Right Tilted	Ant 3	DSI 2	633332	3499.98	17.07	18.00	1.239	-	1.000	0.13	0.579	0.717
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Cheek	Ant 3	DSI 2	633332	3499.98	17.07	18.00	1.239	-	1.000	0.13	0.258	0.320
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Tilted	Ant 3	DSI 2	633332	3499.98	17.07	18.00	1.239	-	1.000	0.06	0.276	0.342
	FR1 n77	100M	QPSK	270	0	DFT-30	Right Cheek	Ant 3	DSI 2	633332	3499.98	17.03	18.00	1.250	-	1.000	0.01	0.648	0.810
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Cheek	Ant 3	DSI 2	656000	3840	17.31	18.00	1.172	-	1.000	-0.14	0.629	0.737
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Tilted	Ant 3	DSI 2	656000	3840	17.31	18.00	1.172	-	1.000	0	0.505	0.592
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Cheek	Ant 3	DSI 2	656000	3840	17.31	18.00	1.172	-	1.000	-0.14	0.260	0.305
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Tilted	Ant 3	DSI 2	656000	3840	17.31	18.00	1.172	-	1.000	0.06	0.266	0.312
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Cheek	Ant 3	DSI 2	656000	3840	17.28	18.00	1.180	-	1.000	-0.15	0.647	0.764
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Tilted	Ant 3	DSI 2	656000	3840	17.28	18.00	1.180	-	1.000	-0.18	0.537	0.634
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Cheek	Ant 3	DSI 2	656000	3840	17.28	18.00	1.180	-	1.000	-0.09	0.276	0.326
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Tilted	Ant 3	DSI 2	656000	3840	17.28	18.00	1.180	-	1.000	-0.02	0.280	0.330
	FR1 n77	100M	QPSK	270	0	DFT-30	Right Cheek	Ant 3	DSI 2	656000	3840	17.25	18.00	1.189	-	1.000	-0.17	0.620	0.737
	FR1 n77	100M	QPSK	270	0	DFT-30	Right Tilted	Ant 3	DSI 2	656000	3840	17.25	18.00	1.189	-	1.000	0.11	0.514	0.611
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Cheek	Ant 7	DSI 2	633332	3499.98	18.28	19.00	1.180	-	1.000	-0.1	0.199	0.235
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Tilted	Ant 7	DSI 2	633332	3499.98	18.28	19.00	1.180	-	1.000	0.19	0.208	0.246
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Cheek	Ant 7	DSI 2	633332	3499.98	18.28	19.00	1.180	-	1.000	-0.12	0.616	0.727
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Tilted	Ant 7	DSI 2	633332	3499.98	18.28	19.00	1.180	-	1.000	-0.09	0.549	0.648
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Cheek	Ant 7	DSI 2	633332	3499.98	18.26	19.00	1.186	-	1.000	0.18	0.192	0.228
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Tilted	Ant 7	DSI 2	633332	3499.98	18.26	19.00	1.186	-	1.000	-0.11	0.204	0.242
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Cheek	Ant 7	DSI 2	633332	3499.98	18.26	19.00	1.186	-	1.000	-0.03	0.592	0.702
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Tilted	Ant 7	DSI 2	633332	3499.98	18.26	19.00	1.186	-	1.000	-0.16	0.525	0.623
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Cheek	Ant 7	DSI 2	656000	3840	18.31	19.00	1.172	-	1.000	0.09	0.254	0.298
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Tilted	Ant 7	DSI 2	656000	3840	18.31	19.00	1.172	-	1.000	-0.14	0.331	0.388
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Cheek	Ant 7	DSI 2	656000	3840	18.31	19.00	1.172	-	1.000	0.07	0.641	0.751
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Tilted	Ant 7	DSI 2	656000	3840	18.31	19.00	1.172	-	1.000	-0.02	0.711	0.833
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Cheek	Ant 7	DSI 2	656000	3840	18.22	19.00	1.197	-	1.000	-0.08	0.264	0.316
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Tilted	Ant 7	DSI 2	656000	3840	18.22	19.00	1.197	-	1.000	0.1	0.333	0.399
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Cheek	Ant 7	DSI 2	656000	3840	18.22	19.00	1.197	-	1.000	0.09	0.657	0.786
28	FR1 n77	100M	QPSK	135	69	DFT-30	Left Tilted	Ant 7	DSI 2	656000	3840	18.22	19.00	1.197	-	1.000	-0.09	0.728	**0.871**
	FR1 n77_PC2	100M	QPSK	135	69	DFT-30	Left Tilted	Ant 7	DSI 2	656000	3840	21.00	22.00	1.259	-	1.000	0.06	0.686	0.864
	FR1 n77	100M	QPSK	270	0	DFT-30	Left Cheek	Ant 7	DSI 2	656000	3840	18.20	19.00	1.202	-	1.000	0.11	0.642	0.772
	FR1 n77	100M	QPSK	270	0	DFT-30	Left Tilted	Ant 7	DSI 2	656000	3840	18.20	19.00	1.202	-	1.000	0.05	0.711	0.855
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Cheek	Ant 8	DSI 2	633332	3499.98	23.48	24.00	1.127	-	1.000	0.04	0.312	0.352
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Tilted	Ant 8	DSI 2	633332	3499.98	23.48	24.00	1.127	-	1.000	0.1	0.450	0.507
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Cheek	Ant 8	DSI 2	633332	3499.98	23.48	24.00	1.127	-	1.000	0.07	0.224	0.252
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Tilted	Ant 8	DSI 2	633332	3499.98	23.48	24.00	1.127	-	1.000	0.16	0.325	0.366
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Cheek	Ant 8	DSI 2	633332	3499.98	23.46	24.00	1.132	-	1.000	-0.06	0.325	0.368
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Tilted	Ant 8	DSI 2	633332	3499.98	23.46	24.00	1.132	-	1.000	0.12	0.440	0.498
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Cheek	Ant 8	DSI 2	633332	3499.98	23.46	24.00	1.132	-	1.000	-0.16	0.230	0.260
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Tilted	Ant 8	DSI 2	633332	3499.98	23.46	24.00	1.132	-	1.000	-0.04	0.335	0.379
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Cheek	Ant 8	DSI 2	656000	3840	23.13	24.00	1.222	-	1.000	0.05	0.378	0.462
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Tilted	Ant 8	DSI 2	656000	3840	23.13	24.00	1.222	-	1.000	-0.07	0.507	0.619
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Cheek	Ant 8	DSI 2	656000	3840	23.13	24.00	1.222	-	1.000	-0.1	0.252	0.308
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Tilted	Ant 8	DSI 2	656000	3840	23.13	24.00	1.222	-	1.000	-0.1	0.337	0.412
	FR1 n77_PC2	100M	QPSK	1	1	DFT-30	Right Tilted	Ant 8	DSI 2	656000	3840	26.07	27.00	1.239	50	1.000	0.05	0.498	0.617
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Cheek	Ant 8	DSI 2	656000	3840	23.10	24.00	1.230	-	1.000	0	0.363	0.447
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Tilted	Ant 8	DSI 2	656000	3840	23.10	24.00	1.230	-	1.000	0.02	0.499	0.614
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Cheek	Ant 8	DSI 2	656000	3840	23.10	24.00	1.230	-	1.000	0.03	0.247	0.304
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Tilted	Ant 8	DSI 2	656000	3840	23.10	24.00	1.230	-	1.000	-0.08	0.346	0.426
	FR1 n77	100M	QPSK	270	0	DFT-30	Right Cheek	Ant 8	DSI 2	656000	3840	23.08	24.00	1.236	-	1.000	-0.17	0.355	0.439
	FR1 n77	100M	QPSK	270	0	DFT-30	Right Tilted	Ant 8	DSI 2	656000	3840	23.08	24.00	1.236	-	1.000	0.05	0.495	0.612
	FR1 n77	100M	QPSK	270	0	DFT-30	Left Tilted	Ant 8	DSI 2	656000	3840	23.08	24.00	1.236	-	1.000	0.12	0.341	0.421
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Cheek	Ant 9	DSI 2	633332	3499.98	18.80	19.50	1.175	-	1.000	0.03	0.185	0.217
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Tilted	Ant 9	DSI 2	633332	3499.98	18.80	19.50	1.175	-	1.000	0.13	0.085	0.100
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Cheek	Ant 9	DSI 2	633332	3499.98	18.80	19.50	1.175	-	1.000	0.07	0.139	0.163

	FR1 n77	100M	QPSK	1	1	DFT-30	Left Tilted	Ant 9	DSI 2	633332	3499.98	18.80	19.50	1.175	-	1.000	0.01	0.118	0.139
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Cheek	Ant 9	DSI 2	633332	3499.98	18.78	19.50	1.180	-	1.000	-0.11	0.189	0.223
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Tilted	Ant 9	DSI 2	633332	3499.98	18.78	19.50	1.180	-	1.000	0.17	0.090	0.106
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Cheek	Ant 9	DSI 2	633332	3499.98	18.78	19.50	1.180	-	1.000	0.15	0.140	0.165
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Tilted	Ant 9	DSI 2	633332	3499.98	18.78	19.50	1.180	-	1.000	-0.05	0.124	0.146
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Cheek	Ant 9	DSI 2	656000	3840	18.64	19.50	1.219	-	1.000	0.11	0.347	0.423
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Tilted	Ant 9	DSI 2	656000	3840	18.64	19.50	1.219	-	1.000	0.16	0.156	0.190
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Cheek	Ant 9	DSI 2	656000	3840	18.64	19.50	1.219	-	1.000	0.09	0.236	0.288
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Tilted	Ant 9	DSI 2	656000	3840	18.64	19.50	1.219	-	1.000	0.18	0.278	0.339
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Cheek	Ant 9	DSI 2	656000	3840	18.62	19.50	1.225	-	1.000	0.12	0.353	0.432
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Tilted	Ant 9	DSI 2	656000	3840	18.62	19.50	1.225	-	1.000	-0.09	0.156	0.191
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Cheek	Ant 9	DSI 2	656000	3840	18.62	19.50	1.225	-	1.000	-0.13	0.246	0.301
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Tilted	Ant 9	DSI 2	656000	3840	18.62	19.50	1.225	-	1.000	-0.08	0.292	0.358
	FR1 n77_PC2	100M	QPSK	135	69	DFT-30	Right Cheek	Ant 9	DSI 2	656000	3840	21.64	22.50	1.219	-	1.000	0.06	0.347	0.423
	FR1 n77	100M	QPSK	270	0	DFT-30	Right Cheek	Ant 9	DSI 2	656000	3840	18.60	19.50	1.230	-	1.000	0.07	0.345	0.424

Plot No.	Band	Mode	Test Position	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)
2450MHz															
	Bluetooth	DH5 1Mbps	Right Cheek	Ant 4	Standalone	39	2441	13.82	14.50	1.171	76.99	1.299	-0.05	0.217	0.330
	Bluetooth	DH5 1Mbps	Right Tilted	Ant 4	Standalone	39	2441	13.82	14.50	1.171	76.99	1.299	-0.03	0.318	0.484
29	Bluetooth	DH5 1Mbps	Left Cheek	Ant 4	Standalone	39	2441	13.82	14.50	1.171	76.99	1.299	-0.16	0.367	**0.558**
	Bluetooth	DH5 1Mbps	Left Tilted	Ant 4	Standalone	39	2441	13.82	14.50	1.171	76.99	1.299	-0.05	0.362	0.550
	Bluetooth	DH5 1Mbps	Left Cheek	Ant 4	Simultaneous	39	2441	9.40	10.00	1.148	76.99	1.299	0.18	0.068	0.102
	Bluetooth	DH5 1Mbps	Right Cheek	Ant 6	Standalone	39	2441	13.83	14.50	1.166	76.85	1.301	0.02	0.043	0.065
	Bluetooth	DH5 1Mbps	Right Tilted	Ant 6	Standalone	39	2441	13.83	14.50	1.166	76.85	1.301	-0.13	0.015	0.023
	Bluetooth	DH5 1Mbps	Left Cheek	Ant 6	Standalone	39	2441	13.83	14.50	1.166	76.85	1.301	-0.17	0.086	0.130
	Bluetooth	DH5 1Mbps	Left Tilted	Ant 6	Standalone	39	2441	13.83	14.50	1.166	76.85	1.301	-0.16	0.021	0.032
	Bluetooth	DH5 1Mbps	Left Cheek	Ant 6	Simultaneous	39	2441	12.80	13.50	1.175	76.85	1.301	0.09	0.039	0.060
	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Right Cheek	Ant 4+6	Standalone	1	2412	20.03	21.50	1.403	97.86	1.022	0.18	0.452	0.648
	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Right Tilted	Ant 4+6	Standalone	1	2412	20.03	21.50	1.403	97.86	1.022	-0.02	0.514	0.737
	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Left Cheek	Ant 4+6	Standalone	1	2412	20.03	21.50	1.403	97.86	1.022	-0.14	0.646	0.926
30	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Left Tilted	Ant 4+6	Standalone	1	2412	20.03	21.50	1.403	97.86	1.022	0.06	0.905	**1.297**
	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Left Cheek	Ant 4+6	Standalone	11	2412	19.83	21.00	1.309	97.86	1.022	0.03	0.595	0.796
	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Left Tilted	Ant 4+6	Standalone	11	2462	19.83	21.00	1.309	97.86	1.022	0.07	0.837	1.120
	WLAN2.4GHz(Non-DBS)	802.11g 6Mbps	Left Tilted	Ant 4+6	Standalone	1	2412	19.94	21.50	1.432	97.86	1.022	0.02	0.816	1.194
	WLAN2.4GHz(DBS)	802.11b 1Mbps	Left Tilted	Ant 4+6	Standalone	1	2412	17.44	19.00	1.432	97.86	1.022	-0.07	0.488	0.714
	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Left Tilted	Ant 4+6	Simultaneous	1	2412	11.90	13.50	1.445	97.86	1.022	0.17	0.128	0.189
	WLAN2.4GHz(DBS)	802.11b 1Mbps	Left Tilted	Ant 4+6	Simultaneous	1	2412	10.42	12.00	1.439	97.86	1.022	0.06	0.062	0.091
5000MHz															
	WLAN5.3GHz(Non-DBS)	802.11ac-VHT160 MCS0	Right Cheek	Ant 5+7	Standalone	50	5250	16.10	17.50	1.380	100	1.000	0.03	0.238	0.329
	WLAN5.3GHz(Non-DBS)	802.11ac-VHT160 MCS0	Right Tilted	Ant 5+7	Standalone	50	5250	16.10	17.50	1.380	100	1.000	0.12	0.237	0.327
31	WLAN5.3GHz(Non-DBS)	802.11ac-VHT160 MCS0	Left Cheek	Ant 5+7	Standalone	50	5250	16.10	17.50	1.380	100	1.000	-0.04	0.748	**1.033**
	WLAN5.3GHz(Non-DBS)	802.11ac-VHT160 MCS0	Left Tilted	Ant 5+7	Standalone	50	5250	16.10	17.50	1.380	100	1.000	0.08	0.548	0.756
	WLAN5.3GHz(DBS)	802.11ac-VHT160 MCS0	Left Cheek	Ant 5+7	Standalone	50	5250	13.66	15.00	1.361	100	1.000	-0.01	0.529	0.720
	WLAN5.3GHz(Non-DBS/DBS)	802.11ac-VHT160 MCS0	Left Cheek	Ant 5+7	Simultaneous	50	5250	7.62	9.00	1.374	100	1.000	0.07	0.066	0.091
	WLAN5.5GHz(Non-DBS)	802.11ac-VHT160 MCS0	Right Cheek	Ant 5+7	Standalone	114	5570	17.11	18.50	1.377	100	1.000	0.04	0.236	0.325
	WLAN5.5GHz(Non-DBS)	802.11ac-VHT160 MCS0	Right Tilted	Ant 5+7	Standalone	114	5570	17.11	18.50	1.377	100	1.000	0.13	0.253	0.348
32	WLAN5.5GHz(Non-DBS)	802.11ac-VHT160 MCS0	Left Cheek	Ant 5+7	Standalone	114	5570	17.11	18.50	1.377	100	1.000	-0.04	0.812	**1.118**
	WLAN5.5GHz(Non-DBS)	802.11ac-VHT160 MCS0	Left Tilted	Ant 5+7	Standalone	114	5570	17.11	18.50	1.377	100	1.000	0.07	0.496	0.683
	WLAN5.5GHz(DBS)	802.11ac-VHT160 MCS0	Left Cheek	Ant 5+7	Standalone	114	5570	15.14	16.50	1.368	100	1.000	-0.09	0.527	0.721
	WLAN5.5GHz(Non-DBS/DBS)	802.11ac-VHT160 MCS0	Left Cheek	Ant 5+7	Simultaneous	114	5570	10.08	11.50	1.387	100	1.000	0.16	0.064	0.089
	WLAN5.8GHz(Non-DBS)	802.11ac-VHT80 MCS0	Right Cheek	Ant 5+7	Standalone	155	5775	17.53	19.00	1.403	100	1.000	0.04	0.189	0.265
	WLAN5.8GHz(Non-DBS)	802.11ac-VHT80 MCS0	Right Tilted	Ant 5+7	Standalone	155	5775	17.53	19.00	1.403	100	1.000	0.12	0.235	0.330
33	WLAN5.8GHz(Non-DBS)	802.11ac-VHT80 MCS0	Left Cheek	Ant 5+7	Standalone	155	5775	17.53	19.00	1.403	100	1.000	-0.04	0.759	**1.065**
	WLAN5.8GHz(Non-DBS)	802.11ac-VHT80 MCS0	Left Tilted	Ant 5+7	Standalone	155	5775	17.53	19.00	1.403	100	1.000	-0.01	0.515	0.722
	WLAN5.8GHz(Non-DBS)	802.11ac-VHT80 MCS0	Left Cheek	Ant 5+7	Standalone	155	5775	16.00	17.50	1.413	100	1.000	-0.04	0.522	0.737
	WLAN5.8GHz(Non-DBS/DBS)	802.11ac-VHT80 MCS0	Left Cheek	Ant 5+7	Simultaneous	155	5775	9.46	11.00	1.426	100	1.000	0.03	0.062	0.089

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	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
750MHz																				
	LTE Band 71	20M	QPSK	1	49	-	Front	5mm	Ant 0	DSI 3	133297	680.5	23.25	24.00	1.189	-	1.000	-0.15	0.165	0.196
	LTE Band 71	20M	QPSK	1	49	-	Back	5mm	Ant 0	DSI 3	133297	680.5	23.25	24.00	1.189	-	1.000	0.14	0.306	0.364
35	LTE Band 71	20M	QPSK	1	49	-	Left Side	5mm	Ant 0	DSI 3	133297	680.5	23.25	24.00	1.189	-	1.000	-0.12	0.372	**0.442**
	LTE Band 71	20M	QPSK	1	49	-	Bottom Side	5mm	Ant 0	DSI 3	133297	680.5	23.25	24.00	1.189	-	1.000	-0.03	0.276	0.328
	LTE Band 71	20M	QPSK	50	24	-	Front	5mm	Ant 0	DSI 3	133297	680.5	23.25	24.00	1.189	-	1.000	0.11	0.129	0.153
	LTE Band 71	20M	QPSK	50	24	-	Back	5mm	Ant 0	DSI 3	133297	680.5	23.25	24.00	1.189	-	1.000	-0.03	0.270	0.321
	LTE Band 71	20M	QPSK	50	24	-	Left Side	5mm	Ant 0	DSI 3	133297	680.5	23.25	24.00	1.189	-	1.000	-0.08	0.322	0.383
	LTE Band 71	20M	QPSK	50	24	-	Bottom Side	5mm	Ant 0	DSI 3	133297	680.5	23.25	24.00	1.189	-	1.000	0.04	0.247	0.294
	LTE Band 71	20M	QPSK	1	49	-	Front	5mm	Ant 1	DSI 3	133297	680.5	23.00	24.00	1.259	-	1.000	-0.08	0.156	0.196
	LTE Band 71	20M	QPSK	1	49	-	Back	5mm	Ant 1	DSI 3	133297	680.5	23.00	24.00	1.259	-	1.000	0.13	0.339	0.427
	LTE Band 71	20M	QPSK	1	49	-	Left Side	5mm	Ant 1	DSI 3	133297	680.5	23.00	24.00	1.259	-	1.000	-0.06	0.337	0.424
	LTE Band 71	20M	QPSK	1	49	-	Top Side	5mm	Ant 1	DSI 3	133297	680.5	23.00	24.00	1.259	-	1.000	-0.11	0.315	0.397
	LTE Band 71	20M	QPSK	50	24	-	Front	5mm	Ant 1	DSI 3	133297	680.5	22.97	24.00	1.268	-	1.000	0.09	0.144	0.183
	LTE Band 71	20M	QPSK	50	24	-	Back	5mm	Ant 1	DSI 3	133297	680.5	22.97	24.00	1.268	-	1.000	-0.12	0.284	0.360
	LTE Band 71	20M	QPSK	50	24	-	Left Side	5mm	Ant 1	DSI 3	133297	680.5	22.97	24.00	1.268	-	1.000	0.02	0.314	0.398
	LTE Band 71	20M	QPSK	50	24	-	Top Side	5mm	Ant 1	DSI 3	133297	680.5	22.97	24.00	1.268	-	1.000	-0.02	0.308	0.390
	LTE Band 12	10M	QPSK	1	25	-	Front	5mm	Ant 0	DSI 3	23095	707.5	23.25	24.00	1.189	-	1.000	-0.04	0.240	0.285
	LTE Band 12	10M	QPSK	1	25	-	Back	5mm	Ant 0	DSI 3	23095	707.5	23.25	24.00	1.189	-	1.000	-0.01	0.455	0.541
	LTE Band 12	10M	QPSK	1	25	-	Left Side	5mm	Ant 0	DSI 3	23095	707.5	23.25	24.00	1.189	-	1.000	0.17	0.408	0.485
	LTE Band 12	10M	QPSK	1	25	-	Bottom Side	5mm	Ant 0	DSI 3	23095	707.5	23.25	24.00	1.189	-	1.000	0.11	0.320	0.380
	LTE Band 12	10M	QPSK	25	12	-	Front	5mm	Ant 0	DSI 3	23095	707.5	23.24	24.00	1.191	-	1.000	0.11	0.192	0.229
	LTE Band 12	10M	QPSK	25	12	-	Back	5mm	Ant 0	DSI 3	23095	707.5	23.24	24.00	1.191	-	1.000	-0.11	0.350	0.417
	LTE Band 12	10M	QPSK	25	12	-	Left Side	5mm	Ant 0	DSI 3	23095	707.5	23.24	24.00	1.191	-	1.000	0.14	0.317	0.378
	LTE Band 12	10M	QPSK	25	12	-	Bottom Side	5mm	Ant 0	DSI 3	23095	707.5	23.24	24.00	1.191	-	1.000	0.08	0.252	0.300
	LTE Band 12	10M	QPSK	1	25	-	Front	5mm	Ant 1	DSI 3	23095	707.5	23.01	24.00	1.256	-	1.000	0.15	0.212	0.266
36	LTE Band 12	10M	QPSK	1	25	-	Back	5mm	Ant 1	DSI 3	23095	707.5	23.01	24.00	1.256	-	1.000	0.14	0.541	**0.680**
	LTE Band 12	10M	QPSK	1	25	-	Left Side	5mm	Ant 1	DSI 3	23095	707.5	23.01	24.00	1.256	-	1.000	0.09	0.345	0.433
	LTE Band 12	10M	QPSK	1	25	-	Top Side	5mm	Ant 1	DSI 3	23095	707.5	23.01	24.00	1.256	-	1.000	-0.15	0.460	0.578
	LTE Band 12	10M	QPSK	25	12	-	Front	5mm	Ant 1	DSI 3	23095	707.5	22.99	24.00	1.262	-	1.000	-0.07	0.160	0.202
	LTE Band 12	10M	QPSK	25	12	-	Back	5mm	Ant 1	DSI 3	23095	707.5	22.99	24.00	1.262	-	1.000	0.13	0.515	0.650
	LTE Band 12	10M	QPSK	25	12	-	Left Side	5mm	Ant 1	DSI 3	23095	707.5	22.99	24.00	1.262	-	1.000	-0.02	0.272	0.343
	LTE Band 12	10M	QPSK	25	12	-	Top Side	5mm	Ant 1	DSI 3	23095	707.5	22.99	24.00	1.262	-	1.000	-0.01	0.372	0.469
	LTE Band 13	10M	QPSK	1	25	-	Front	5mm	Ant 0	DSI 3	23230	782	22.57	24.00	1.390	-	1.000	-0.14	0.238	0.331
	LTE Band 13	10M	QPSK	1	25	-	Back	5mm	Ant 0	DSI 3	23230	782	22.57	24.00	1.390	-	1.000	-0.06	0.435	0.605
	LTE Band 13	10M	QPSK	1	25	-	Left Side	5mm	Ant 0	DSI 3	23230	782	22.57	24.00	1.390	-	1.000	-0.05	0.303	0.421
	LTE Band 13	10M	QPSK	1	25	-	Bottom Side	5mm	Ant 0	DSI 3	23230	782	22.57	24.00	1.390	-	1.000	-0.16	0.291	0.404
	LTE Band 13	10M	QPSK	25	12	-	Front	5mm	Ant 0	DSI 3	23230	782	22.55	24.00	1.396	-	1.000	-0.07	0.189	0.264
	LTE Band 13	10M	QPSK	25	12	-	Back	5mm	Ant 0	DSI 3	23230	782	22.55	24.00	1.396	-	1.000	0.13	0.310	0.433
	LTE Band 13	10M	QPSK	25	12	-	Left Side	5mm	Ant 0	DSI 3	23230	782	22.55	24.00	1.396	-	1.000	0.1	0.226	0.316
	LTE Band 13	10M	QPSK	25	12	-	Bottom Side	5mm	Ant 0	DSI 3	23230	782	22.55	24.00	1.396	-	1.000	0.12	0.236	0.330
	LTE Band 13	10M	QPSK	1	25	-	Front	5mm	Ant 1	DSI 3	23230	782	22.43	24.00	1.435	-	1.000	-0.15	0.205	0.294
37	LTE Band 13	10M	QPSK	1	25	-	Back	5mm	Ant 1	DSI 3	23230	782	22.43	24.00	1.435	-	1.000	-0.19	0.436	**0.626**
	LTE Band 13	10M	QPSK	1	25	-	Left Side	5mm	Ant 1	DSI 3	23230	782	22.43	24.00	1.435	-	1.000	-0.04	0.407	0.584
	LTE Band 13	10M	QPSK	1	25	-	Top Side	5mm	Ant 1	DSI 3	23230	782	22.43	24.00	1.435	-	1.000	0.06	0.422	0.606
	LTE Band 13	10M	QPSK	25	12	-	Front	5mm	Ant 1	DSI 3	23230	782	22.41	24.00	1.442	-	1.000	0.11	0.152	0.219
	LTE Band 13	10M	QPSK	25	12	-	Back	5mm	Ant 1	DSI 3	23230	782	22.41	24.00	1.442	-	1.000	0.17	0.392	0.565
	LTE Band 13	10M	QPSK	25	12	-	Left Side	5mm	Ant 1	DSI 3	23230	782	22.41	24.00	1.442	-	1.000	0.17	0.321	0.463
	LTE Band 13	10M	QPSK	25	12	-	Top Side	5mm	Ant 1	DSI 3	23230	782	22.41	24.00	1.442	-	1.000	-0.04	0.417	0.601
	LTE Band 14	10M	QPSK	1	25	-	Front	5mm	Ant 0	DSI 3	23330	793	22.82	24.00	1.312	-	1.000	-0.08	0.322	0.423
	LTE Band 14	10M	QPSK	1	25	-	Back	5mm	Ant 0	DSI 3	23330	793	22.82	24.00	1.312	-	1.000	-0.08	0.603	0.791

	LTE Band 14	10M	QPSK	1	25	-	Left Side	5mm	Ant 0	DSI 3	23330	793	22.82	24.00	1.312	-	1.000	0.01	0.374	0.491
	LTE Band 14	10M	QPSK	1	25	-	Bottom Side	5mm	Ant 0	DSI 3	23330	793	22.82	24.00	1.312	-	1.000	-0.09	0.386	0.507
	LTE Band 14	10M	QPSK	25	12	-	Front	5mm	Ant 0	DSI 3	23330	793	22.80	24.00	1.318	-	1.000	0.05	0.293	0.386
	LTE Band 14	10M	QPSK	25	12	-	Back	5mm	Ant 0	DSI 3	23330	793	22.80	24.00	1.318	-	1.000	-0.17	0.501	0.660
	LTE Band 14	10M	QPSK	25	12	-	Left Side	5mm	Ant 0	DSI 3	23330	793	22.80	24.00	1.318	-	1.000	-0.07	0.349	0.460
	LTE Band 14	10M	QPSK	25	12	-	Bottom Side	5mm	Ant 0	DSI 3	23330	793	22.80	24.00	1.318	-	1.000	0.05	0.349	0.460
	LTE Band 14	10M	QPSK	1	25	-	Front	5mm	Ant 1	DSI 3	23330	793	22.52	24.00	1.406	-	1.000	-0.14	0.245	0.344
38	LTE Band 14	10M	QPSK	1	25	-	Back	5mm	Ant 1	DSI 3	23330	793	22.52	24.00	1.406	-	1.000	0.09	0.590	**0.830**
	LTE Band 14	10M	QPSK	1	25	-	Left Side	5mm	Ant 1	DSI 3	23330	793	22.52	24.00	1.406	-	1.000	-0.17	0.494	0.695
	LTE Band 14	10M	QPSK	1	25	-	Top Side	5mm	Ant 1	DSI 3	23330	793	22.52	24.00	1.406	-	1.000	-0.14	0.578	0.813
	LTE Band 14	10M	QPSK	25	12	-	Front	5mm	Ant 1	DSI 3	23330	793	22.50	24.00	1.413	-	1.000	0.12	0.202	0.285
	LTE Band 14	10M	QPSK	25	12	-	Back	5mm	Ant 1	DSI 3	23330	793	22.50	24.00	1.413	-	1.000	0.05	0.464	0.655
	LTE Band 14	10M	QPSK	25	12	-	Left Side	5mm	Ant 1	DSI 3	23330	793	22.50	24.00	1.413	-	1.000	0	0.332	0.469
	LTE Band 14	10M	QPSK	25	12	-	Top Side	5mm	Ant 1	DSI 3	23330	793	22.50	24.00	1.413	-	1.000	0.09	0.369	0.521
	LTE Band 14	10M	QPSK	50	0	-	Back	5mm	Ant 1	DSI 3	23330	793	22.47	24.00	1.422	-	1.000	0.1	0.455	0.647
	FR1 n71	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	DSI 3	136100	680.5	22.84	24.00	1.306	-	1.000	-0.09	0.188	0.246
	FR1 n71	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	DSI 3	136100	680.5	22.84	24.00	1.306	-	1.000	0.02	0.397	0.519
	FR1 n71	20M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 0	DSI 3	136100	680.5	22.84	24.00	1.306	-	1.000	-0.02	0.352	0.460
	FR1 n71	20M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 0	DSI 3	136100	680.5	22.84	24.00	1.306	-	1.000	-0.14	0.335	0.438
	FR1 n71	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 0	DSI 3	136100	680.5	22.81	24.00	1.315	-	1.000	0.05	0.173	0.228
	FR1 n71	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 0	DSI 3	136100	680.5	22.81	24.00	1.315	-	1.000	-0.02	0.380	0.500
	FR1 n71	20M	QPSK	50	28	DFT-15	Left Side	5mm	Ant 0	DSI 3	136100	680.5	22.81	24.00	1.315	-	1.000	0.19	0.344	0.452
	FR1 n71	20M	QPSK	50	28	DFT-15	Bottom Side	5mm	Ant 0	DSI 3	136100	680.5	22.81	24.00	1.315	-	1.000	0.17	0.328	0.431
	FR1 n71	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 1	DSI 3	136100	680.5	22.84	24.00	1.306	-	1.000	0	0.123	0.161
	FR1 n71	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	DSI 3	136100	680.5	22.84	24.00	1.306	-	1.000	-0.02	0.477	0.623
	FR1 n71	20M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 1	DSI 3	136100	680.5	22.84	24.00	1.306	-	1.000	-0.14	0.316	0.413
	FR1 n71	20M	QPSK	1	1	DFT-15	Top Side	5mm	Ant 1	DSI 3	136100	680.5	22.84	24.00	1.306	-	1.000	-0.18	0.280	0.366
	FR1 n71	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 1	DSI 3	136100	680.5	22.80	24.00	1.318	-	1.000	-0.17	0.162	0.214
39	FR1 n71	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 1	DSI 3	136100	680.5	22.80	24.00	1.318	-	1.000	-0.18	0.488	**0.643**
	FR1 n71	20M	QPSK	50	28	DFT-15	Left Side	5mm	Ant 1	DSI 3	136100	680.5	22.80	24.00	1.318	-	1.000	-0.11	0.324	0.427
	FR1 n71	20M	QPSK	50	28	DFT-15	Top Side	5mm	Ant 1	DSI 3	136100	680.5	22.80	24.00	1.318	-	1.000	-0.16	0.289	0.381
	FR1 n12	15M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	DSI 3	141500	707.5	23.22	24.00	1.197	-	1.000	-0.19	0.195	0.233
	FR1 n12	15M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	DSI 3	141500	707.5	23.22	24.00	1.197	-	1.000	0.06	0.422	0.505
	FR1 n12	15M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 0	DSI 3	141500	707.5	23.22	24.00	1.197	-	1.000	-0.06	0.276	0.330
	FR1 n12	15M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 0	DSI 3	141500	707.5	23.22	24.00	1.197	-	1.000	0.16	0.383	0.458
	FR1 n12	15M	QPSK	36	22	DFT-15	Front	5mm	Ant 0	DSI 3	141500	707.5	23.20	24.00	1.202	-	1.000	0.16	0.198	0.238
40	FR1 n12	15M	QPSK	36	22	DFT-15	Back	5mm	Ant 0	DSI 3	141500	707.5	23.20	24.00	1.202	-	1.000	-0.15	0.432	**0.519**
	FR1 n12	15M	QPSK	36	22	DFT-15	Left Side	5mm	Ant 0	DSI 3	141500	707.5	23.20	24.00	1.202	-	1.000	0.17	0.296	0.356
	FR1 n12	15M	QPSK	36	22	DFT-15	Bottom Side	5mm	Ant 0	DSI 3	141500	707.5	23.20	24.00	1.202	-	1.000	0.02	0.391	0.470
	FR1 n14	10M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	DSI 3	158600	793	22.83	24.00	1.309	-	1.000	0	0.261	0.342
41	FR1 n14	10M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	DSI 3	158600	793	22.83	24.00	1.309	-	1.000	-0.04	0.475	**0.622**
	FR1 n14	10M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 0	DSI 3	158600	793	22.83	24.00	1.309	-	1.000	-0.14	0.352	0.461
	FR1 n14	10M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 0	DSI 3	158600	793	22.83	24.00	1.309	-	1.000	-0.06	0.437	0.572
	FR1 n14	10M	QPSK	25	14	DFT-15	Front	5mm	Ant 0	DSI 3	158600	793	22.81	24.00	1.315	-	1.000	-0.03	0.267	0.351
	FR1 n14	10M	QPSK	25	14	DFT-15	Back	5mm	Ant 0	DSI 3	158600	793	22.81	24.00	1.315	-	1.000	0.11	0.469	0.617
	FR1 n14	10M	QPSK	25	14	DFT-15	Left Side	5mm	Ant 0	DSI 3	158600	793	22.81	24.00	1.315	-	1.000	0.13	0.336	0.442
	FR1 n14	10M	QPSK	25	14	DFT-15	Bottom Side	5mm	Ant 0	DSI 3	158600	793	22.81	24.00	1.315	-	1.000	0.1	0.417	0.548
835MHz																				
	GSM850	-	-	-	-	GPRS 3 Tx slots	Front	5mm	Ant 0	DSI 3	189	836.4	28.59	29.00	1.099	-	1.000	-0.02	0.391	0.430
	GSM850	-	-	-	-	GPRS 3 Tx slots	Back	5mm	Ant 0	DSI 3	189	836.4	28.59	29.00	1.099	-	1.000	0.01	0.721	0.792
	GSM850	-	-	-	-	GPRS 3 Tx slots	Left Side	5mm	Ant 0	DSI 3	189	836.4	28.59	29.00	1.099	-	1.000	0.14	0.356	0.391
	GSM850	-	-	-	-	GPRS 3 Tx slots	Bottom Side	5mm	Ant 0	DSI 3	189	836.4	28.59	29.00	1.099	-	1.000	0.09	0.403	0.443
	GSM850	-	-	-	-	GPRS 3 Tx slots	Front	5mm	Ant 1	DSI 3	189	836.4	28.69	29.00	1.074	-	1.000	0.06	0.321	0.345
42	GSM850	-	-	-	-	GPRS 3 Tx slots	Back	5mm	Ant 1	DSI 3	189	836.4	28.69	29.00	1.074	-	1.000	-0.11	0.754	**0.810**
	GSM850	-	-	-	-	GPRS 3 Tx slots	Back	5mm	Ant 1	DSI 3	128	824.2	28.67	29.00	1.079	-	1.000	0.15	0.681	0.735
	GSM850	-	-	-	-	GPRS 3 Tx slots	Back	5mm	Ant 1	DSI 3	251	848.8	28.60	29.00	1.096	-	1.000	0	0.706	0.774

	GSM850	-	-	-	-	GPRS 3 Tx slots	Left Side	5mm	Ant 1	DSI 3	189	836.4	28.69	29.00	1.074	-	1.000	0.08	0.523	0.562
	GSM850	-	-	-	-	GPRS 3 Tx slots	Top Side	5mm	Ant 1	DSI 3	189	836.4	28.69	29.00	1.074	-	1.000	0.04	0.716	0.769
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	DSI 3	4233	846.6	24.62	25.00	1.091	-	1.000	0.04	0.424	0.463
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 3	4233	846.6	24.62	25.00	1.091	-	1.000	0.17	0.661	0.721
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 0	DSI 3	4233	846.6	24.62	25.00	1.091	-	1.000	0.07	0.329	0.359
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 3	4233	846.6	24.62	25.00	1.091	-	1.000	-0.09	0.531	0.580
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	DSI 3	4233	846.6	24.59	25.00	1.099	-	1.000	-0.06	0.353	0.388
43	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 3	4233	846.6	24.59	25.00	1.099	-	1.000	0.07	0.868	**0.954**
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 3	4132	826.4	24.33	25.00	1.167	-	1.000	-0.1	0.685	0.799
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 3	4182	836.4	24.44	25.00	1.138	-	1.000	-0.15	0.709	0.807
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 1	DSI 3	4233	846.6	24.59	25.00	1.099	-	1.000	-0.08	0.598	0.657
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 1	DSI 3	4233	846.6	24.59	25.00	1.099	-	1.000	-0.16	0.808	0.888
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 1	DSI 3	4132	826.4	24.33	25.00	1.167	-	1.000	-0.03	0.793	0.925
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 1	DSI 3	4182	836.4	24.44	25.00	1.138	-	1.000	-0.14	0.796	0.906
	LTE Band 26	15M	QPSK	1	37	-	Front	5mm	Ant 0	DSI 3	26865	831.5	22.91	24.00	1.285	-	1.000	-0.03	0.403	0.518
	LTE Band 26	15M	QPSK	1	37	-	Back	5mm	Ant 0	DSI 3	26865	831.5	22.91	24.00	1.285	-	1.000	0	0.588	0.756
	LTE Band 5B	10M	QPSK	1	25	-	Back	5mm	Ant 0	DSI 3	20575 +20476	841.5 +831.6	23.00	24.00	1.259	-	1.000	0.04	0.584	0.735
	LTE Band 26	15M	QPSK	1	37	-	Left Side	5mm	Ant 0	DSI 3	26865	831.5	22.91	24.00	1.285	-	1.000	0.19	0.241	0.310
	LTE Band 26	15M	QPSK	1	37	-	Bottom Side	5mm	Ant 0	DSI 3	26865	831.5	22.91	24.00	1.285	-	1.000	0.16	0.505	0.649
	LTE Band 26	15M	QPSK	36	20	-	Front	5mm	Ant 0	DSI 3	26865	831.5	22.87	24.00	1.297	-	1.000	-0.07	0.335	0.435
	LTE Band 26	15M	QPSK	36	20	-	Back	5mm	Ant 0	DSI 3	26865	831.5	22.87	24.00	1.297	-	1.000	-0.1	0.497	0.645
	LTE Band 26	15M	QPSK	36	20	-	Left Side	5mm	Ant 0	DSI 3	26865	831.5	22.87	24.00	1.297	-	1.000	0.03	0.201	0.261
	LTE Band 26	15M	QPSK	36	20	-	Bottom Side	5mm	Ant 0	DSI 3	26865	831.5	22.87	24.00	1.297	-	1.000	0.02	0.411	0.533
	LTE Band 26	15M	QPSK	1	37	-	Front	5mm	Ant 1	DSI 3	26865	831.5	22.84	24.00	1.306	-	1.000	0.15	0.274	0.358
	LTE Band 26	15M	QPSK	1	37	-	Back	5mm	Ant 1	DSI 3	26865	831.5	22.84	24.00	1.306	-	1.000	-0.12	0.595	0.777
	LTE Band 26	15M	QPSK	1	37	-	Left Side	5mm	Ant 1	DSI 3	26865	831.5	22.84	24.00	1.306	-	1.000	-0.13	0.302	0.394
	LTE Band 26	15M	QPSK	1	37	-	Top Side	5mm	Ant 1	DSI 3	26865	831.5	22.84	24.00	1.306	-	1.000	0	0.502	0.656
	LTE Band 26	15M	QPSK	36	20	-	Front	5mm	Ant 1	DSI 3	26865	831.5	22.81	24.00	1.315	-	1.000	-0.11	0.307	0.404
44	LTE Band 26	15M	QPSK	36	20	-	Back	5mm	Ant 1	DSI 3	26865	831.5	22.81	24.00	1.315	-	1.000	0.05	0.700	**0.921**
	LTE Band 5B	15M	QPSK	1	25	-	Back	5mm	Ant 1	DSI 3	20575 +20476	841.5 +831.6	22.88	24.00	1.294	-	1.000	0.08	0.692	0.896
	LTE Band 26	15M	QPSK	36	20	-	Left Side	5mm	Ant 1	DSI 3	26865	831.5	22.81	24.00	1.315	-	1.000	-0.02	0.412	0.542
	LTE Band 26	15M	QPSK	36	20	-	Top Side	5mm	Ant 1	DSI 3	26865	831.5	22.81	24.00	1.315	-	1.000	0.08	0.611	0.804
	LTE Band 26	15M	QPSK	75	0	-	Back	5mm	Ant 1	DSI 3	26865	831.5	22.77	24.00	1.327	-	1.000	-0.02	0.667	0.885
	LTE Band 26	15M	QPSK	75	0	-	Top Side	5mm	Ant 1	DSI 3	26865	831.5	22.77	24.00	1.327	-	1.000	0.04	0.597	0.792
	FR1 n26	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	DSI 3	166300	831.5	23.21	24.00	1.199	-	1.000	-0.13	0.299	0.359
	FR1 n26	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	DSI 3	166300	831.5	23.21	24.00	1.199	-	1.000	-0.06	0.558	0.669
	FR1 n26	20M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 0	DSI 3	166300	831.5	23.21	24.00	1.199	-	1.000	0.03	0.223	0.267
	FR1 n26	20M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 0	DSI 3	166300	831.5	23.21	24.00	1.199	-	1.000	0	0.466	0.559
	FR1 n26	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 0	DSI 3	166300	831.5	23.19	24.00	1.205	-	1.000	0.19	0.290	0.349
	FR1 n26	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 0	DSI 3	166300	831.5	23.19	24.00	1.205	-	1.000	0.19	0.546	0.658
	FR1 n26	20M	QPSK	50	28	DFT-15	Left Side	5mm	Ant 0	DSI 3	166300	831.5	23.19	24.00	1.205	-	1.000	-0.06	0.203	0.245
	FR1 n26	20M	QPSK	50	28	DFT-15	Bottom Side	5mm	Ant 0	DSI 3	166300	831.5	23.19	24.00	1.205	-	1.000	0.05	0.439	0.529
	FR1 n26	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 1	DSI 3	166300	831.5	23.17	24.00	1.211	-	1.000	0	0.228	0.276
	FR1 n26	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	DSI 3	166300	831.5	23.17	24.00	1.211	-	1.000	-0.05	0.628	0.760
	FR1 n26	20M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 1	DSI 3	166300	831.5	23.17	24.00	1.211	-	1.000	-0.14	0.276	0.334
	FR1 n26	20M	QPSK	1	1	DFT-15	Top Side	5mm	Ant 1	DSI 3	166300	831.5	23.17	24.00	1.211	-	1.000	0.02	0.401	0.485
	FR1 n26	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 1	DSI 3	166300	831.5	23.14	24.00	1.219	-	1.000	-0.17	0.240	0.293
45	FR1 n26	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 1	DSI 3	166300	831.5	23.14	24.00	1.219	-	1.000	0.14	0.645	**0.786**
	FR1 n26	20M	QPSK	50	28	DFT-15	Left Side	5mm	Ant 1	DSI 3	166300	831.5	23.14	24.00	1.219	-	1.000	0.13	0.291	0.355
	FR1 n26	20M	QPSK	50	28	DFT-15	Top Side	5mm	Ant 1	DSI 3	166300	831.5	23.14	24.00	1.219	-	1.000	0.16	0.421	0.513
1750MHz																				
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	DSI 3	1413	1732.6	17.64	18.60	1.247	-	1.000	0.04	0.477	0.595
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 3	1413	1732.6	17.64	18.60	1.247	-	1.000	0.03	0.687	0.857
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 3	1312	1712.4	17.43	18.60	1.309	-	1.000	0	0.649	0.850
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 3	1513	1752.6	17.57	18.60	1.268	-	1.000	0.16	0.664	0.842

	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 1	DSI 3	1413	1732.6	17.64	18.60	1.247	-	1.000	-0.1	0.640	0.798
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 1	DSI 3	1413	1732.6	17.64	18.60	1.247	-	1.000	-0.14	0.585	0.730
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 2	DSI 3	1413	1732.6	21.03	21.50	1.114	-	1.000	-0.12	0.391	0.436
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 2	DSI 3	1413	1732.6	21.03	21.50	1.114	-	1.000	0.07	0.563	0.627
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Side	5mm	Ant 2	DSI 3	1413	1732.6	21.03	21.50	1.114	-	1.000	-0.15	0.154	0.172
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 2	DSI 3	1413	1732.6	21.03	21.50	1.114	-	1.000	-0.18	0.916	1.021
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 2	DSI 3	1312	1712.4	20.88	21.50	1.153	-	1.000	0.05	0.889	1.025
46	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 2	DSI 3	1513	1752.6	20.97	21.50	1.130	-	1.000	0.07	1.100	**1.243**
	LTE Band 66	20M	QPSK	1	49	-	Front	5mm	Ant 1	DSI 3	132322	1745	17.46	18.40	1.242	-	1.000	-0.11	0.475	0.590
	LTE Band 66	20M	QPSK	1	49	-	Back	5mm	Ant 1	DSI 3	132322	1745	17.46	18.40	1.242	-	1.000	-0.08	0.665	0.826
	LTE Band 66	20M	QPSK	1	49	-	Back	5mm	Ant 1	DSI 3	132072	1720	17.38	18.40	1.265	-	1.000	-0.1	0.712	0.900
	LTE Band 66	20M	QPSK	1	49	-	Back	5mm	Ant 1	DSI 3	132572	1770	17.41	18.40	1.256	-	1.000	0.08	0.774	0.972
	LTE Band 66C	20M	QPSK	1	49	-	Back	5mm	Ant 1	DSI 3	132572 +132374	1770 +1750.2	17.38	18.40	1.265	-	1.000	0.05	0.762	0.964
	LTE Band 66	20M	QPSK	1	49	-	Left Side	5mm	Ant 1	DSI 3	132322	1745	17.46	18.40	1.242	-	1.000	0.03	0.658	0.817
	LTE Band 66	20M	QPSK	1	49	-	Top Side	5mm	Ant 1	DSI 3	132322	1745	17.46	18.40	1.242	-	1.000	0.06	0.520	0.646
	LTE Band 66	20M	QPSK	1	49	-	Left Side	5mm	Ant 1	DSI 3	132072	1720	17.38	18.40	1.265	-	1.000	0.01	0.699	0.884
	LTE Band 66	20M	QPSK	1	49	-	Left Side	5mm	Ant 1	DSI 3	132572	1770	17.41	18.40	1.256	-	1.000	0.08	0.741	0.931
	LTE Band 66	20M	QPSK	50	24	-	Front	5mm	Ant 1	DSI 3	132322	1745	17.44	18.40	1.247	-	1.000	0.08	0.462	0.576
	LTE Band 66	20M	QPSK	50	24	-	Back	5mm	Ant 1	DSI 3	132322	1745	17.44	18.40	1.247	-	1.000	0.12	0.657	0.820
	LTE Band 66	20M	QPSK	50	24	-	Back	5mm	Ant 1	DSI 3	132072	1720	17.35	18.40	1.274	-	1.000	-0.05	0.701	0.893
	LTE Band 66	20M	QPSK	50	24	-	Back	5mm	Ant 1	DSI 3	132572	1770	17.36	18.40	1.271	-	1.000	0.02	0.756	0.961
	LTE Band 66	20M	QPSK	50	24	-	Left Side	5mm	Ant 1	DSI 3	132322	1745	17.44	18.40	1.247	-	1.000	-0.05	0.645	0.805
	LTE Band 66	20M	QPSK	50	24	-	Top Side	5mm	Ant 1	DSI 3	132322	1745	17.44	18.40	1.247	-	1.000	-0.15	0.521	0.650
	LTE Band 66	20M	QPSK	50	24	-	Left Side	5mm	Ant 1	DSI 3	132072	1720	17.35	18.40	1.274	-	1.000	-0.17	0.671	0.855
	LTE Band 66	20M	QPSK	50	24	-	Left Side	5mm	Ant 1	DSI 3	132572	1770	17.36	18.40	1.271	-	1.000	-0.09	0.712	0.905
	LTE Band 66	20M	QPSK	100	0	-	Front	5mm	Ant 1	DSI 3	132322	1745	17.42	18.40	1.253	-	1.000	0.03	0.652	0.817
	LTE Band 66	20M	QPSK	100	0	-	Back	5mm	Ant 1	DSI 3	132322	1745	17.42	18.40	1.253	-	1.000	0.12	0.644	0.807
	LTE Band 66	20M	QPSK	100	0	-	Left Side	5mm	Ant 1	DSI 3	132322	1745	17.42	18.40	1.253	-	1.000	0.08	0.631	0.791
	LTE Band 66	20M	QPSK	1	49	-	Front	5mm	Ant 2	DSI 3	132322	1745	21.24	21.90	1.164	-	1.000	-0.17	0.431	0.502
	LTE Band 66	20M	QPSK	1	49	-	Back	5mm	Ant 2	DSI 3	132322	1745	21.24	21.90	1.164	-	1.000	0.14	0.585	0.681
	LTE Band 66	20M	QPSK	1	49	-	Right Side	5mm	Ant 2	DSI 3	132322	1745	21.24	21.90	1.164	-	1.000	-0.09	0.144	0.168
	LTE Band 66	20M	QPSK	1	49	-	Bottom Side	5mm	Ant 2	DSI 3	132322	1745	21.24	21.90	1.164	-	1.000	-0.09	0.986	1.148
	LTE Band 66	20M	QPSK	1	49	-	Bottom Side	5mm	Ant 2	DSI 3	132072	1720	21.18	21.90	1.180	-	1.000	0.15	0.963	1.137
47	LTE Band 66	20M	QPSK	1	49	-	Bottom Side	5mm	Ant 2	DSI 3	132572	1770	21.11	21.90	1.199	-	1.000	0.15	0.967	**1.160**
	LTE Band 66C	20M	QPSK	1	49	-	Bottom Side	5mm	Ant 2	DSI 3	132572 +132374	1770 +1789.8	21.12	21.90	1.197	-	1.000	0.13	0.937	1.121
	LTE Band 66	20M	QPSK	50	24	-	Front	5mm	Ant 2	DSI 3	132322	1745	21.22	21.90	1.169	-	1.000	0.11	0.428	0.501
	LTE Band 66	20M	QPSK	50	24	-	Back	5mm	Ant 2	DSI 3	132322	1745	21.22	21.90	1.169	-	1.000	0.01	0.573	0.670
	LTE Band 66	20M	QPSK	50	24	-	Right Side	5mm	Ant 2	DSI 3	132322	1745	21.22	21.90	1.169	-	1.000	-0.09	0.147	0.172
	LTE Band 66	20M	QPSK	50	24	-	Bottom Side	5mm	Ant 2	DSI 3	132322	1745	21.22	21.90	1.169	-	1.000	-0.08	0.970	1.134
	LTE Band 66	20M	QPSK	50	24	-	Bottom Side	5mm	Ant 2	DSI 3	132072	1720	21.14	21.90	1.191	-	1.000	-0.02	0.972	1.158
	LTE Band 66	20M	QPSK	50	24	-	Bottom Side	5mm	Ant 2	DSI 3	132572	1770	21.10	21.90	1.202	-	1.000	-0.14	0.961	1.155
	LTE Band 66	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 2	DSI 3	132322	1745	21.20	21.90	1.175	-	1.000	0.15	0.966	1.135
	FR1 n70	15M	QPSK	1	1	DFT-15	Front	5mm	Ant 1	DSI 3	340500	1702.5	18.07	19.00	1.239	-	1.000	-0.14	0.394	0.488
	FR1 n70	15M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	DSI 3	340500	1702.5	18.07	19.00	1.239	-	1.000	0.03	0.700	0.867
	FR1 n70	15M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 1	DSI 3	340500	1702.5	18.07	19.00	1.239	-	1.000	0.05	0.658	0.815
	FR1 n70	15M	QPSK	1	1	DFT-15	Top Side	5mm	Ant 1	DSI 3	340500	1702.5	18.07	19.00	1.239	-	1.000	-0.04	0.559	0.692
	FR1 n70	15M	QPSK	36	22	DFT-15	Front	5mm	Ant 1	DSI 3	340500	1702.5	18.05	19.00	1.245	-	1.000	-0.14	0.397	0.494
	FR1 n70	15M	QPSK	36	22	DFT-15	Back	5mm	Ant 1	DSI 3	340500	1702.5	18.05	19.00	1.245	-	1.000	0.03	0.711	0.885
	FR1 n70	15M	QPSK	36	22	DFT-15	Left Side	5mm	Ant 1	DSI 3	340500	1702.5	18.05	19.00	1.245	-	1.000	0.08	0.653	0.813
	FR1 n70	15M	QPSK	36	22	DFT-15	Top Side	5mm	Ant 1	DSI 3	340500	1702.5	18.05	19.00	1.245	-	1.000	-0.05	0.562	0.699
	FR1 n70	15M	QPSK	75	0	DFT-15	Front	5mm	Ant 1	DSI 3	340500	1702.5	18.03	19.00	1.250	-	1.000	0.12	0.388	0.485
	FR1 n70	15M	QPSK	75	0	DFT-15	Back	5mm	Ant 1	DSI 3	340500	1702.5	18.03	19.00	1.250	-	1.000	0.06	0.701	0.876
	FR1 n70	15M	QPSK	75	0	DFT-15	Left Side	5mm	Ant 1	DSI 3	340500	1702.5	18.03	19.00	1.250	-	1.000	0.03	0.645	0.806
	FR1 n70	15M	QPSK	1	1	DFT-15	Front	5mm	Ant 2	DSI 3	340500	1702.5	20.74	22.50	1.500	-	1.000	-0.07	0.290	0.435
	FR1 n70	15M	QPSK	1	1	DFT-15	Back	5mm	Ant 2	DSI 3	340500	1702.5	20.74	22.50	1.500	-	1.000	0	0.481	0.721

	FR1 n70	15M	QPSK	1	1	DFT-15	Right Side	5mm	Ant 2	DSI 3	340500	1702.5	20.74	22.50	1.500	-	1.000	-0.08	0.121	0.181
	FR1 n70	15M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 2	DSI 3	340500	1702.5	20.74	22.50	1.500	-	1.000	-0.09	0.762	1.143
	FR1 n70	15M	QPSK	36	22	DFT-15	Front	5mm	Ant 2	DSI 3	340500	1702.5	20.72	22.50	1.507	-	1.000	0.03	0.304	0.458
	FR1 n70	15M	QPSK	36	22	DFT-15	Back	5mm	Ant 2	DSI 3	340500	1702.5	20.72	22.50	1.507	-	1.000	0.06	0.496	0.747
	FR1 n70	15M	QPSK	36	22	DFT-15	Right Side	5mm	Ant 2	DSI 3	340500	1702.5	20.72	22.50	1.507	-	1.000	0.09	0.128	0.193
48	FR1 n70	15M	QPSK	36	22	DFT-15	Bottom Side	5mm	Ant 2	DSI 3	340500	1702.5	20.72	22.50	1.507	-	1.000	-0.13	0.766	**1.154**
	FR1 n70	15M	QPSK	75	0	DFT-15	Bottom Side	5mm	Ant 2	DSI 3	340500	1702.5	20.70	22.50	1.514	-	1.000	0.04	0.753	1.140
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 1	DSI 3	349000	1745	16.68	17.50	1.208	-	1.000	0	0.435	0.525
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	DSI 3	349000	1745	16.68	17.50	1.208	-	1.000	-0.07	0.783	0.946
	FR1 n66	40M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 1	DSI 3	349000	1745	16.68	17.50	1.208	-	1.000	-0.19	0.704	0.850
	FR1 n66	40M	QPSK	1	1	DFT-15	Top Side	5mm	Ant 1	DSI 3	349000	1745	16.68	17.50	1.208	-	1.000	0.19	0.543	0.656
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 1	DSI 3	349000	1745	16.66	17.50	1.213	-	1.000	-0.1	0.444	0.539
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 1	DSI 3	349000	1745	16.66	17.50	1.213	-	1.000	0.04	0.819	0.994
	FR1 n66	40M	QPSK	108	54	DFT-15	Left Side	5mm	Ant 1	DSI 3	349000	1745	16.66	17.50	1.213	-	1.000	-0.03	0.686	0.832
	FR1 n66	40M	QPSK	108	54	DFT-15	Top Side	5mm	Ant 1	DSI 3	349000	1745	16.66	17.50	1.213	-	1.000	0.01	0.564	0.684
	FR1 n66	40M	QPSK	216	0	DFT-15	Front	5mm	Ant 1	DSI 3	349000	1745	16.64	17.50	1.219	-	1.000	0.03	0.431	0.525
	FR1 n66	40M	QPSK	216	0	DFT-15	Back	5mm	Ant 1	DSI 3	349000	1745	16.64	17.50	1.219	-	1.000	0.05	0.805	0.981
	FR1 n66	40M	QPSK	216	0	DFT-15	Left Side	5mm	Ant 1	DSI 3	349000	1745	16.64	17.50	1.219	-	1.000	0.07	0.677	0.825
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 2	DSI 3	349000	1745	20.67	21.50	1.211	-	1.000	-0.1	0.428	0.518
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 2	DSI 3	349000	1745	20.67	21.50	1.211	-	1.000	0.08	0.590	0.714
	FR1 n66	40M	QPSK	1	1	DFT-15	Right Side	5mm	Ant 2	DSI 3	349000	1745	20.67	21.50	1.211	-	1.000	0.06	0.141	0.171
	FR1 n66	40M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 2	DSI 3	349000	1745	20.67	21.50	1.211	-	1.000	-0.12	0.983	1.190
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 2	DSI 3	349000	1745	20.66	21.50	1.213	-	1.000	0.17	0.434	0.527
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 2	DSI 3	349000	1745	20.66	21.50	1.213	-	1.000	-0.03	0.603	0.732
	FR1 n66	40M	QPSK	108	54	DFT-15	Right Side	5mm	Ant 2	DSI 3	349000	1745	20.66	21.50	1.213	-	1.000	0.04	0.151	0.183
49	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	5mm	Ant 2	DSI 3	349000	1745	20.66	21.50	1.213	-	1.000	0.19	1.020	**1.238**
	FR1 n66	40M	QPSK	216	0	DFT-15	Bottom Side	5mm	Ant 2	DSI 3	349000	1745	20.63	21.50	1.222	-	1.000	0.11	0.993	1.213
1900MHz																				
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Front	5mm	Ant 1	DSI 3	661	1880	20.76	22.50	1.493	-	1.000	0.14	0.319	0.476
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Back	5mm	Ant 1	DSI 3	661	1880	20.76	22.50	1.493	-	1.000	-0.02	0.580	0.866
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Back	5mm	Ant 1	DSI 3	512	1850.2	20.52	22.50	1.578	-	1.000	0.03	0.530	0.836
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Back	5mm	Ant 1	DSI 3	810	1909.8	20.71	22.50	1.510	-	1.000	-0.01	0.552	0.834
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Left Side	5mm	Ant 1	DSI 3	661	1880	20.76	22.50	1.493	-	1.000	0.16	0.543	0.811
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Top Side	5mm	Ant 1	DSI 3	661	1880	20.76	22.50	1.493	-	1.000	-0.13	0.460	0.687
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Left Side	5mm	Ant 1	DSI 3	512	1850.2	20.52	22.50	1.578	-	1.000	-0.14	0.530	0.836
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Left Side	5mm	Ant 1	DSI 3	810	1909.8	20.71	22.50	1.510	-	1.000	0.18	0.540	0.815
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Front	5mm	Ant 2	DSI 3	661	1880	26.10	26.50	1.096	-	1.000	0	0.496	0.544
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Back	5mm	Ant 2	DSI 3	661	1880	26.10	26.50	1.096	-	1.000	0	0.641	0.703
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Right Side	5mm	Ant 2	DSI 3	661	1880	26.10	26.50	1.096	-	1.000	-0.07	0.311	0.341
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Bottom Side	5mm	Ant 2	DSI 3	661	1880	26.10	26.50	1.096	-	1.000	-0.07	0.822	0.901
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Bottom Side	5mm	Ant 2	DSI 3	512	1850.2	26.03	26.50	1.114	-	1.000	-0.15	0.689	0.768
50	GSM1900	-	-	-	-	GPRS 3 Tx slots	Bottom Side	5mm	Ant 2	DSI 3	810	1909.8	25.94	26.50	1.138	-	1.000	0.18	0.838	**0.953**
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	DSI 3	9400	1880	17.29	18.40	1.291	-	1.000	0.13	0.422	0.545
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 3	9400	1880	17.29	18.40	1.291	-	1.000	-0.15	0.716	0.925
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 3	9262	1852.4	17.20	18.40	1.318	-	1.000	0.06	0.704	0.928
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 3	9538	1907.6	17.10	18.40	1.349	-	1.000	-0.12	0.684	0.923
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 1	DSI 3	9400	1880	17.29	18.40	1.291	-	1.000	-0.19	0.710	0.917
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 1	DSI 3	9400	1880	17.29	18.40	1.291	-	1.000	-0.03	0.676	0.873
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 1	DSI 3	9262	1852.4	17.20	18.40	1.318	-	1.000	0.03	0.603	0.795
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 1	DSI 3	9538	1907.6	17.10	18.40	1.349	-	1.000	0.12	0.652	0.880
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 1	DSI 3	9262	1852.4	17.20	18.40	1.318	-	1.000	0.09	0.618	0.815
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 1	DSI 3	9538	1907.6	17.10	18.40	1.349	-	1.000	-0.06	0.685	0.924
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 2	DSI 3	9400	1880	20.80	21.20	1.096	-	1.000	-0.11	0.426	0.467
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 2	DSI 3	9400	1880	20.80	21.20	1.096	-	1.000	0.17	0.626	0.686
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Side	5mm	Ant 2	DSI 3	9400	1880	20.80	21.20	1.096	-	1.000	-0.17	0.212	0.232
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 2	DSI 3	9400	1880	20.80	21.20	1.096	-	1.000	-0.06	0.888	0.974

	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 2	DSI 3	9262	1852.4	20.44	21.20	1.191	-	1.000	0.03	0.760	0.905
51	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 2	DSI 3	9538	1907.6	20.50	21.20	1.175	-	1.000	0.15	0.933	**1.096**
	LTE Band 25	20M	QPSK	1	49	-	Front	5mm	Ant 1	DSI 3	26340	1880	17.72	18.70	1.253	-	1.000	-0.08	0.447	0.560
	LTE Band 25	20M	QPSK	1	49	-	Back	5mm	Ant 1	DSI 3	26340	1880	17.72	18.70	1.253	-	1.000	0.12	0.790	0.990
	LTE Band 25	20M	QPSK	1	49	-	Back	5mm	Ant 1	DSI 3	26140	1860	17.53	18.70	1.309	-	1.000	0.15	0.739	0.967
	LTE Band 25	20M	QPSK	1	49	-	Back	5mm	Ant 1	DSI 3	26590	1905	17.62	18.70	1.282	-	1.000	0.05	0.773	0.991
	LTE Band 25	20M	QPSK	1	49	-	Left Side	5mm	Ant 1	DSI 3	26340	1880	17.72	18.70	1.253	-	1.000	0.04	0.787	0.986
	LTE Band 25	20M	QPSK	1	49	-	Top Side	5mm	Ant 1	DSI 3	26340	1880	17.72	18.70	1.253	-	1.000	-0.12	0.719	0.901
	LTE Band 25	20M	QPSK	1	49	-	Top Side	5mm	Ant 1	DSI 3	26140	1860	17.53	18.70	1.309	-	1.000	0.03	0.633	0.829
	LTE Band 25	20M	QPSK	1	49	-	Top Side	5mm	Ant 1	DSI 3	26590	1905	17.62	18.70	1.282	-	1.000	0.12	0.705	0.904
	LTE Band 25	20M	QPSK	1	49	-	Left Side	5mm	Ant 1	DSI 3	26140	1860	17.53	18.70	1.309	-	1.000	-0.07	0.738	0.966
	LTE Band 25	20M	QPSK	1	49	-	Left Side	5mm	Ant 1	DSI 3	26590	1905	17.62	18.70	1.282	-	1.000	0.17	0.765	0.981
	LTE Band 25	20M	QPSK	50	24	-	Front	5mm	Ant 1	DSI 3	26340	1880	17.70	18.70	1.259	-	1.000	0.13	0.431	0.543
	LTE Band 25	20M	QPSK	50	24	-	Back	5mm	Ant 1	DSI 3	26340	1880	17.70	18.70	1.259	-	1.000	-0.06	0.785	0.988
	LTE Band 25	20M	QPSK	50	24	-	Back	5mm	Ant 1	DSI 3	26140	1860	17.51	18.70	1.315	-	1.000	-0.05	0.725	0.954
	LTE Band 25	20M	QPSK	50	24	-	Back	5mm	Ant 1	DSI 3	26590	1905	17.60	18.70	1.288	-	1.000	-0.01	0.768	0.989
	LTE Band 25	20M	QPSK	50	24	-	Left Side	5mm	Ant 1	DSI 3	26340	1880	17.70	18.70	1.259	-	1.000	0.1	0.775	0.976
	LTE Band 25	20M	QPSK	50	24	-	Top Side	5mm	Ant 1	DSI 3	26340	1880	17.70	18.70	1.259	-	1.000	-0.18	0.718	0.904
	LTE Band 25	20M	QPSK	50	24	-	Top Side	5mm	Ant 1	DSI 3	26140	1860	17.51	18.70	1.315	-	1.000	0.05	0.629	0.827
	LTE Band 25	20M	QPSK	50	24	-	Top Side	5mm	Ant 1	DSI 3	26590	1905	17.60	18.70	1.288	-	1.000	0.03	0.702	0.904
	LTE Band 25	20M	QPSK	50	24	-	Left Side	5mm	Ant 1	DSI 3	26140	1860	17.51	18.70	1.315	-	1.000	0.18	0.722	0.950
	LTE Band 25	20M	QPSK	50	24	-	Left Side	5mm	Ant 1	DSI 3	26590	1905	17.60	18.70	1.288	-	1.000	0.04	0.762	0.982
	LTE Band 25	20M	QPSK	100	0	-	Back	5mm	Ant 1	DSI 3	26340	1880	17.68	18.70	1.265	-	1.000	-0.04	0.776	0.981
	LTE Band 25	20M	QPSK	100	0	-	Top Side	5mm	Ant 1	DSI 3	26340	1880	17.68	18.70	1.265	-	1.000	0.05	0.767	0.970
	LTE Band 25	20M	QPSK	100	0	-	Left Side	5mm	Ant 1	DSI 3	26340	1880	17.68	18.70	1.265	-	1.000	0.08	0.711	0.899
	LTE Band 25	20M	QPSK	1	49	-	Front	5mm	Ant 2	DSI 3	26340	1880	20.98	21.90	1.236	-	1.000	0.06	0.399	0.493
	LTE Band 25	20M	QPSK	1	49	-	Back	5mm	Ant 2	DSI 3	26340	1880	20.98	21.90	1.236	-	1.000	0.05	0.646	0.798
	LTE Band 25	20M	QPSK	1	49	-	Right Side	5mm	Ant 2	DSI 3	26340	1880	20.98	21.90	1.236	-	1.000	0.03	0.227	0.281
	LTE Band 25	20M	QPSK	1	49	-	Bottom Side	5mm	Ant 2	DSI 3	26340	1880	20.98	21.90	1.236	-	1.000	0.06	0.833	1.030
	LTE Band 25	20M	QPSK	1	49	-	Bottom Side	5mm	Ant 2	DSI 3	26140	1860	20.73	21.90	1.309	-	1.000	0.14	0.723	0.947
52	LTE Band 25	20M	QPSK	1	49	-	Bottom Side	5mm	Ant 2	DSI 3	26590	1905	20.81	21.90	1.285	-	1.000	0.06	0.883	**1.135**
	LTE Band 25	20M	QPSK	50	24	-	Front	5mm	Ant 2	DSI 3	26340	1880	20.96	21.90	1.242	-	1.000	0.06	0.405	0.503
	LTE Band 25	20M	QPSK	50	24	-	Back	5mm	Ant 2	DSI 3	26340	1880	20.96	21.90	1.242	-	1.000	0	0.628	0.780
	LTE Band 25	20M	QPSK	50	24	-	Right Side	5mm	Ant 2	DSI 3	26340	1880	20.96	21.90	1.242	-	1.000	0.03	0.223	0.277
	LTE Band 25	20M	QPSK	50	24	-	Bottom Side	5mm	Ant 2	DSI 3	26340	1880	20.96	21.90	1.242	-	1.000	0.06	0.813	1.009
	LTE Band 25	20M	QPSK	50	24	-	Bottom Side	5mm	Ant 2	DSI 3	26140	1860	20.71	21.90	1.315	-	1.000	0.14	0.732	0.963
	LTE Band 25	20M	QPSK	50	24	-	Bottom Side	5mm	Ant 2	DSI 3	26590	1905	20.78	21.90	1.294	-	1.000	0.06	0.872	1.129
	LTE Band 25	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 2	DSI 3	26340	1880	20.94	21.90	1.247	-	1.000	0.06	0.821	1.024
	FR1 n25	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 1	DSI 3	376500	1882.5	16.77	17.50	1.183	-	1.000	0.12	0.427	0.505
	FR1 n25	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	DSI 3	376500	1882.5	16.77	17.50	1.183	-	1.000	0.05	0.775	0.917
	FR1 n25	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	DSI 3	372000	1860	16.63	17.50	1.222	-	1.000	0.09	0.653	0.798
	FR1 n25	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	DSI 3	381000	1905	16.65	17.50	1.216	-	1.000	-0.13	0.726	0.883
	FR1 n25	20M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 1	DSI 3	376500	1882.5	16.77	17.50	1.183	-	1.000	0.02	0.754	0.892
	FR1 n25	20M	QPSK	1	1	DFT-15	Top Side	5mm	Ant 1	DSI 3	376500	1882.5	16.77	17.50	1.183	-	1.000	0.03	0.706	0.835
	FR1 n25	20M	QPSK	1	1	DFT-15	Top Side	5mm	Ant 1	DSI 3	372000	1860	16.63	17.50	1.222	-	1.000	0.05	0.598	0.731
	FR1 n25	20M	QPSK	1	1	DFT-15	Top Side	5mm	Ant 1	DSI 3	381000	1905	16.65	17.50	1.216	-	1.000	0.13	0.656	0.798
	FR1 n25	20M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 1	DSI 3	372000	1860	16.63	17.50	1.222	-	1.000	-0.03	0.637	0.778
	FR1 n25	20M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 1	DSI 3	381000	1905	16.65	17.50	1.216	-	1.000	-0.14	0.716	0.871
	FR1 n25	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 1	DSI 3	376500	1882.5	16.75	17.50	1.189	-	1.000	-0.19	0.462	0.549
	FR1 n25	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 1	DSI 3	376500	1882.5	16.75	17.50	1.189	-	1.000	0.07	0.763	0.907
	FR1 n25	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 1	DSI 3	372000	1860	16.61	17.50	1.227	-	1.000	0.04	0.661	0.811
	FR1 n25	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 1	DSI 3	381000	1905	16.62	17.50	1.225	-	1.000	0.13	0.713	0.873
	FR1 n25	20M	QPSK	50	28	DFT-15	Left Side	5mm	Ant 1	DSI 3	376500	1882.5	16.75	17.50	1.189	-	1.000	0.1	0.748	0.889
	FR1 n25	20M	QPSK	50	28	DFT-15	Top Side	5mm	Ant 1	DSI 3	376500	1882.5	16.75	17.50	1.189	-	1.000	-0.06	0.699	0.831
	FR1 n25	20M	QPSK	50	28	DFT-15	Top Side	5mm	Ant 1	DSI 3	372000	1860	16.61	17.50	1.227	-	1.000	0.08	0.601	0.738
	FR1 n25	20M	QPSK	50	28	DFT-15	Top Side	5mm	Ant 1	DSI 3	381000	1905	16.62	17.50	1.225	-	1.000	0.05	0.655	0.802

	FR1 n25	20M	QPSK	50	28	DFT-15	Left Side	5mm	Ant 1	DSI 3	372000	1860	16.61	17.50	1.227	-	1.000	-0.03	0.631	0.775
	FR1 n25	20M	QPSK	50	28	DFT-15	Left Side	5mm	Ant 1	DSI 3	381000	1905	16.62	17.50	1.225	-	1.000	0.14	0.713	0.873
	FR1 n25	20M	QPSK	100	0	DFT-15	Back	5mm	Ant 1	DSI 3	376500	1882.5	16.74	17.50	1.191	-	1.000	0.03	0.759	0.904
	FR1 n25	20M	QPSK	100	0	DFT-15	Left Side	5mm	Ant 1	DSI 3	376500	1882.5	16.74	17.50	1.191	-	1.000	0.12	0.745	0.887
	FR1 n25	20M	QPSK	100	0	DFT-15	Top Side	5mm	Ant 1	DSI 3	376500	1882.5	16.74	17.50	1.191	-	1.000	0.05	0.700	0.834
	FR1 n25	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 2	DSI 3	376500	1882.5	21.36	22.00	1.159	-	1.000	-0.04	0.505	0.585
	FR1 n25	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 2	DSI 3	376500	1882.5	21.36	22.00	1.159	-	1.000	0.14	0.751	0.870
	FR1 n25	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 2	DSI 3	372000	1860	21.20	22.00	1.202	-	1.000	0.04	0.679	0.816
	FR1 n25	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 2	DSI 3	381000	1905	21.31	22.00	1.172	-	1.000	0.07	0.732	0.858
	FR1 n25	20M	QPSK	1	1	DFT-15	Right Side	5mm	Ant 2	DSI 3	376500	1882.5	21.36	22.00	1.159	-	1.000	0.18	0.283	0.328
53	FR1 n25	20M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 2	DSI 3	376500	1882.5	21.36	22.00	1.159	-	1.000	0.03	1.070	**1.240**
	FR1 n25	20M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 2	DSI 3	372000	1860	21.20	22.00	1.202	-	1.000	0.06	0.906	1.089
	FR1 n25	20M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 2	DSI 3	381000	1905	21.31	22.00	1.172	-	1.000	-0.05	1.020	1.196
	FR1 n25	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 2	DSI 3	376500	1882.5	21.34	22.00	1.164	-	1.000	0.11	0.499	0.581
	FR1 n25	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 2	DSI 3	376500	1882.5	21.34	22.00	1.164	-	1.000	-0.07	0.742	0.864
	FR1 n25	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 2	DSI 3	372000	1860	21.18	22.00	1.208	-	1.000	0.04	0.668	0.807
	FR1 n25	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 2	DSI 3	381000	1905	21.29	22.00	1.178	-	1.000	0.11	0.733	0.863
	FR1 n25	20M	QPSK	50	28	DFT-15	Right Side	5mm	Ant 2	DSI 3	376500	1882.5	21.34	22.00	1.164	-	1.000	0.17	0.266	0.310
	FR1 n25	20M	QPSK	50	28	DFT-15	Bottom Side	5mm	Ant 2	DSI 3	376500	1882.5	21.34	22.00	1.164	-	1.000	-0.05	1.030	1.199
	FR1 n25	20M	QPSK	50	28	DFT-15	Bottom Side	5mm	Ant 2	DSI 3	372000	1860	21.18	22.00	1.208	-	1.000	0.06	0.906	1.094
	FR1 n25	20M	QPSK	50	28	DFT-15	Bottom Side	5mm	Ant 2	DSI 3	381000	1905	21.29	22.00	1.178	-	1.000	0.04	0.983	1.158
	FR1 n25	20M	QPSK	100	0	DFT-15	Back	5mm	Ant 2	DSI 3	376500	1882.5	21.32	22.00	1.169	-	1.000	0.04	0.733	0.857
	FR1 n25	20M	QPSK	100	0	DFT-15	Bottom Side	5mm	Ant 2	DSI 3	376500	1882.5	21.32	22.00	1.169	-	1.000	0.13	0.999	1.168
2300MHz																				
	LTE Band 30	10M	QPSK	1	25	-	Front	5mm	Ant 1	DSI 3	27710	2310	17.84	18.90	1.276	-	1.000	0.03	0.248	0.317
	LTE Band 30	10M	QPSK	1	25	-	Back	5mm	Ant 1	DSI 3	27710	2310	17.84	18.90	1.276	-	1.000	0.07	0.508	0.648
	LTE Band 30	10M	QPSK	1	25	-	Left Side	5mm	Ant 1	DSI 3	27710	2310	17.84	18.90	1.276	-	1.000	0.15	0.281	0.359
	LTE Band 30	10M	QPSK	1	25	-	Top Side	5mm	Ant 1	DSI 3	27710	2310	17.84	18.90	1.276	-	1.000	-0.15	0.712	0.909
	LTE Band 30	10M	QPSK	25	12	-	Front	5mm	Ant 1	DSI 3	27710	2310	17.82	18.90	1.282	-	1.000	0.13	0.259	0.332
	LTE Band 30	10M	QPSK	25	12	-	Back	5mm	Ant 1	DSI 3	27710	2310	17.82	18.90	1.282	-	1.000	0.16	0.516	0.662
	LTE Band 30	10M	QPSK	25	12	-	Left Side	5mm	Ant 1	DSI 3	27710	2310	17.82	18.90	1.282	-	1.000	0.1	0.303	0.389
	LTE Band 30	10M	QPSK	25	12	-	Top Side	5mm	Ant 1	DSI 3	27710	2310	17.82	18.90	1.282	-	1.000	0.09	0.736	0.944
	LTE Band 30	10M	QPSK	50	0	-	Top Side	5mm	Ant 1	DSI 3	27710	2310	17.80	18.90	1.288	-	1.000	0.05	0.725	0.934
	LTE Band 30	10M	QPSK	1	25	-	Front	5mm	Ant 2	DSI 3	27710	2310	21.51	23.00	1.409	-	1.000	-0.05	0.535	0.754
54	LTE Band 30	10M	QPSK	1	25	-	Back	5mm	Ant 2	DSI 3	27710	2310	21.51	23.00	1.409	-	1.000	-0.03	0.675	**0.951**
	LTE Band 30	10M	QPSK	1	25	-	Right Side	5mm	Ant 2	DSI 3	27710	2310	21.51	23.00	1.409	-	1.000	-0.13	0.378	0.533
	LTE Band 30	10M	QPSK	1	25	-	Bottom Side	5mm	Ant 2	DSI 3	27710	2310	21.51	23.00	1.409	-	1.000	0.05	0.641	0.903
	LTE Band 30	10M	QPSK	25	12	-	Front	5mm	Ant 2	DSI 3	27710	2310	21.48	23.00	1.419	-	1.000	0.04	0.523	0.742
	LTE Band 30	10M	QPSK	25	12	-	Back	5mm	Ant 2	DSI 3	27710	2310	21.48	23.00	1.419	-	1.000	-0.17	0.649	0.921
	LTE Band 30	10M	QPSK	25	12	-	Right Side	5mm	Ant 2	DSI 3	27710	2310	21.48	23.00	1.419	-	1.000	0.18	0.368	0.522
	LTE Band 30	10M	QPSK	25	12	-	Bottom Side	5mm	Ant 2	DSI 3	27710	2310	21.48	23.00	1.419	-	1.000	-0.12	0.636	0.903
	LTE Band 30	10M	QPSK	50	0	-	Back	5mm	Ant 2	DSI 3	27710	2310	21.46	23.00	1.426	-	1.000	0.06	0.644	0.918
	LTE Band 30	10M	QPSK	50	0	-	Bottom Side	5mm	Ant 2	DSI 3	27710	2310	21.46	23.00	1.426	-	1.000	0.11	0.632	0.901
	FR1 n30	10M	QPSK	1	1	DFT-15	Front	5mm	Ant 1	DSI 3	462000	2310	16.23	17.50	1.340	-	1.000	-0.03	0.323	0.433
	FR1 n30	10M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	DSI 3	462000	2310	16.23	17.50	1.340	-	1.000	-0.12	0.674	0.903
	FR1 n30	10M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 1	DSI 3	462000	2310	16.23	17.50	1.340	-	1.000	-0.03	0.437	0.585
55	FR1 n30	10M	QPSK	1	1	DFT-15	Top Side	5mm	Ant 1	DSI 3	462000	2310	16.23	17.50	1.340	-	1.000	0.17	0.694	**0.930**
	FR1 n30	10M	QPSK	25	14	DFT-15	Front	5mm	Ant 1	DSI 3	462000	2310	16.21	17.50	1.346	-	1.000	-0.08	0.316	0.425
	FR1 n30	10M	QPSK	25	14	DFT-15	Back	5mm	Ant 1	DSI 3	462000	2310	16.21	17.50	1.346	-	1.000	0.11	0.482	0.649
	FR1 n30	10M	QPSK	25	14	DFT-15	Left Side	5mm	Ant 1	DSI 3	462000	2310	16.21	17.50	1.346	-	1.000	-0.09	0.421	0.567
	FR1 n30	10M	QPSK	25	14	DFT-15	Top Side	5mm	Ant 1	DSI 3	462000	2310	16.21	17.50	1.346	-	1.000	-0.05	0.577	0.777
	FR1 n30	10M	QPSK	50	0	DFT-15	Back	5mm	Ant 1	DSI 3	462000	2310	16.19	17.50	1.352	-	1.000	0.05	0.476	0.644
	FR1 n30	10M	QPSK	50	0	DFT-15	Top Side	5mm	Ant 1	DSI 3	462000	2310	16.19	17.50	1.352	-	1.000	0.12	0.417	0.564
	FR1 n30	10M	QPSK	1	1	DFT-15	Front	5mm	Ant 2	DSI 3	462000	2310	22.00	23.00	1.259	-	1.000	0.16	0.536	0.675
	FR1 n30	10M	QPSK	1	1	DFT-15	Back	5mm	Ant 2	DSI 3	462000	2310	22.00	23.00	1.259	-	1.000	0.13	0.652	0.821
	FR1 n30	10M	QPSK	1	1	DFT-15	Right Side	5mm	Ant 2	DSI 3	462000	2310	22.00	23.00	1.259	-	1.000	-0.14	0.366	0.461

	FR1 n30	10M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 2	DSI 3	462000	2310	22.00	23.00	1.259	-	1.000	-0.14	0.737	0.928
	FR1 n30	10M	QPSK	25	14	DFT-15	Front	5mm	Ant 2	DSI 3	462000	2310	21.97	23.00	1.268	-	1.000	-0.07	0.533	0.676
	FR1 n30	10M	QPSK	25	14	DFT-15	Back	5mm	Ant 2	DSI 3	462000	2310	21.97	23.00	1.268	-	1.000	0.05	0.674	0.854
	FR1 n30	10M	QPSK	25	14	DFT-15	Right Side	5mm	Ant 2	DSI 3	462000	2310	21.97	23.00	1.268	-	1.000	0.17	0.363	0.460
	FR1 n30	10M	QPSK	25	14	DFT-15	Bottom Side	5mm	Ant 2	DSI 3	462000	2310	21.97	23.00	1.268	-	1.000	0.16	0.731	0.927
	FR1 n30	10M	QPSK	50	0	DFT-15	Back	5mm	Ant 2	DSI 3	462000	2310	20.93	22.00	1.279	-	1.000	-0.13	0.624	0.798
	FR1 n30	10M	QPSK	50	0	DFT-15	Bottom Side	5mm	Ant 2	DSI 3	462000	2310	20.93	22.00	1.279	-	1.000	-0.08	0.723	0.925
2600MHz																				
	LTE Band 7	20M	QPSK	1	49	-	Front	5mm	Ant 1	DSI 3	21100	2535	15.93	17.00	1.279	-	1.000	0	0.242	0.310
	LTE Band 7	20M	QPSK	1	49	-	Back	5mm	Ant 1	DSI 3	21100	2535	15.93	17.00	1.279	-	1.000	0.1	0.479	0.613
	LTE Band 7	20M	QPSK	1	49	-	Left Side	5mm	Ant 1	DSI 3	21100	2535	15.93	17.00	1.279	-	1.000	-0.19	0.092	0.118
	LTE Band 7	20M	QPSK	1	49	-	Top Side	5mm	Ant 1	DSI 3	21100	2535	15.93	17.00	1.279	-	1.000	0.1	0.643	0.823
	LTE Band 7	20M	QPSK	1	49	-	Top Side	5mm	Ant 1	DSI 3	20850	2510	15.91	17.00	1.285	-	1.000	0.04	0.773	0.994
	LTE Band 7C	20M	QPSK	1	49	-	Top Side	5mm	Ant 1	DSI 3	20850 +21048	2510 +2529.8	15.88	17.00	1.294	-	1.000	0.07	0.763	0.987
	LTE Band 7	20M	QPSK	1	49	-	Top Side	5mm	Ant 1	DSI 3	21350	2560	15.89	17.00	1.291	-	1.000	0	0.604	0.780
	LTE Band 7	20M	QPSK	50	24	-	Front	5mm	Ant 1	DSI 3	21100	2535	15.92	17.00	1.282	-	1.000	-0.17	0.244	0.313
	LTE Band 7	20M	QPSK	50	24	-	Back	5mm	Ant 1	DSI 3	21100	2535	15.92	17.00	1.282	-	1.000	-0.12	0.460	0.590
	LTE Band 7	20M	QPSK	50	24	-	Left Side	5mm	Ant 1	DSI 3	21100	2535	15.92	17.00	1.282	-	1.000	0.05	0.096	0.123
	LTE Band 7	20M	QPSK	50	24	-	Top Side	5mm	Ant 1	DSI 3	21100	2535	15.92	17.00	1.282	-	1.000	-0.03	0.638	0.818
	LTE Band 7	20M	QPSK	50	24	-	Top Side	5mm	Ant 1	DSI 3	20850	2510	15.88	17.00	1.294	-	1.000	0.04	0.752	0.973
	LTE Band 7	20M	QPSK	50	24	-	Top Side	5mm	Ant 1	DSI 3	21350	2560	15.87	17.00	1.297	-	1.000	0	0.616	0.799
	LTE Band 7	20M	QPSK	100	0	-	Top Side	5mm	Ant 1	DSI 3	21100	2535	15.90	17.00	1.288	-	1.000	0.13	0.651	0.839
	LTE Band 7	20M	QPSK	1	49	-	Front	5mm	Ant 2	DSI 3	21100	2535	22.25	22.80	1.135	-	1.000	-0.14	0.850	0.965
	LTE Band 7	20M	QPSK	1	49	-	Front	5mm	Ant 2	DSI 3	20850	2510	22.08	22.80	1.180	-	1.000	0.11	0.832	0.982
	LTE Band 7	20M	QPSK	1	49	-	Front	5mm	Ant 2	DSI 3	21350	2560	22.09	22.80	1.178	-	1.000	0.04	0.798	0.940
56	LTE Band 7	20M	QPSK	1	49	-	Back	5mm	Ant 2	DSI 3	21100	2535	22.25	22.80	1.135	-	1.000	0.17	1.090	**1.237**
	LTE Band 7C	20M	QPSK	1	49	-	Back	5mm	Ant 2	DSI 3	21100 +21298	2535 +2554.8	22.23	22.80	1.140	-	1.000	0.12	1.020	1.163
	LTE Band 7	20M	QPSK	1	49	-	Back	5mm	Ant 2	DSI 3	20850	2510	22.08	22.80	1.180	-	1.000	0.03	0.997	1.177
	LTE Band 7	20M	QPSK	1	49	-	Back	5mm	Ant 2	DSI 3	21350	2560	22.09	22.80	1.178	-	1.000	0.13	0.966	1.138
	LTE Band 7	20M	QPSK	1	49	-	Right Side	5mm	Ant 2	DSI 3	21100	2535	22.25	22.80	1.135	-	1.000	-0.13	0.704	0.799
	LTE Band 7	20M	QPSK	1	49	-	Bottom Side	5mm	Ant 2	DSI 3	21100	2535	22.25	22.80	1.135	-	1.000	0.19	0.613	0.696
	LTE Band 7	20M	QPSK	50	24	-	Front	5mm	Ant 2	DSI 3	21100	2535	22.23	22.80	1.140	-	1.000	-0.01	0.840	0.958
	LTE Band 7	20M	QPSK	50	24	-	Front	5mm	Ant 2	DSI 3	20850	2510	22.05	22.80	1.189	-	1.000	0.05	0.828	0.984
	LTE Band 7	20M	QPSK	50	24	-	Front	5mm	Ant 2	DSI 3	21350	2560	22.07	22.80	1.183	-	1.000	0.08	0.792	0.937
	LTE Band 7	20M	QPSK	50	24	-	Back	5mm	Ant 2	DSI 3	21100	2535	22.23	22.80	1.140	-	1.000	0.18	1.040	1.186
	LTE Band 7	20M	QPSK	50	24	-	Back	5mm	Ant 2	DSI 3	20850	2510	22.05	22.80	1.189	-	1.000	0.11	0.975	1.159
	LTE Band 7	20M	QPSK	50	24	-	Back	5mm	Ant 2	DSI 3	21350	2560	22.07	22.80	1.183	-	1.000	0.12	0.956	1.131
	LTE Band 7	20M	QPSK	50	24	-	Right Side	5mm	Ant 2	DSI 3	21100	2535	22.23	22.80	1.140	-	1.000	-0.1	0.700	0.798
	LTE Band 7	20M	QPSK	50	24	-	Bottom Side	5mm	Ant 2	DSI 3	21100	2535	22.23	22.80	1.140	-	1.000	0.13	0.605	0.690
	LTE Band 7	20M	QPSK	100	0	-	Front	5mm	Ant 2	DSI 1	21100	2535	22.21	22.80	1.146	-	1.000	0.15	0.827	0.947
	LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 2	DSI 1	21100	2535	22.21	22.80	1.146	-	1.000	-0.04	1.030	1.180
	LTE Band 41	20M	QPSK	1	49	-	Front	5mm	Ant 1	DSI 3	40620	2593	16.92	17.80	1.225	62.9	1.006	-0.17	0.205	0.253
	LTE Band 41	20M	QPSK	1	49	-	Back	5mm	Ant 1	DSI 3	40620	2593	16.92	17.80	1.225	62.9	1.006	0.07	0.382	0.471
	LTE Band 41	20M	QPSK	1	49	-	Left Side	5mm	Ant 1	DSI 3	40620	2593	16.92	17.80	1.225	62.9	1.006	0.02	0.078	0.096
	LTE Band 41	20M	QPSK	1	49	-	Top Side	5mm	Ant 1	DSI 3	40620	2593	16.92	17.80	1.225	62.9	1.006	0.11	0.556	0.685
	LTE Band 41	20M	QPSK	1	49	-	Top Side	5mm	Ant 1	DSI 3	39750	2506	16.81	17.80	1.256	62.9	1.006	-0.07	0.597	0.754
	LTE Band 41	20M	QPSK	1	49	-	Top Side	5mm	Ant 1	DSI 3	40185	2549.5	16.87	17.80	1.239	62.9	1.006	-0.03	0.669	0.834
	LTE Band 41C	20M	QPSK	1	49	-	Top Side	5mm	Ant 1	DSI 3	40185 +40383	2549.5 +2569.3	16.81	17.80	1.256	62.9	1.006	-0.08	0.651	0.823
	LTE Band 41	20M	QPSK	1	49	-	Top Side	5mm	Ant 1	DSI 3	41055	2636.5	16.79	17.80	1.262	62.9	1.006	-0.07	0.434	0.551
	LTE Band 41	20M	QPSK	1	49	-	Top Side	5mm	Ant 1	DSI 3	41490	2680	16.76	17.80	1.271	62.9	1.006	-0.11	0.420	0.537
	LTE Band 41_PC2	20M	QPSK	1	49	-	Top Side	5mm	Ant 1	DSI 3	40185	2549.5	18.58	19.40	1.208	42.9	1.009	0.09	0.666	0.812
	LTE Band 41	20M	QPSK	50	24	-	Front	5mm	Ant 1	DSI 3	40620	2593	16.90	17.80	1.230	62.9	1.006	-0.17	0.202	0.250
	LTE Band 41	20M	QPSK	50	24	-	Back	5mm	Ant 1	DSI 3	40620	2593	16.90	17.80	1.230	62.9	1.006	0.07	0.374	0.463
	LTE Band 41	20M	QPSK	50	24	-	Left Side	5mm	Ant 1	DSI 3	40620	2593	16.90	17.80	1.230	62.9	1.006	0.02	0.079	0.098
	LTE Band 41	20M	QPSK	50	24	-	Top Side	5mm	Ant 1	DSI 3	40620	2593	16.90	17.80	1.230	62.9	1.006	0.11	0.556	0.688

	LTE Band 41	20M	QPSK	50	24	-	Top Side	5mm	Ant 1	DSI 3	39750	2506	16.78	17.80	1.265	62.9	1.006	-0.07	0.594	0.756
	LTE Band 41	20M	QPSK	50	24	-	Top Side	5mm	Ant 1	DSI 3	40185	2549.5	16.87	17.80	1.239	62.9	1.006	0.18	0.664	0.827
	LTE Band 41	20M	QPSK	50	24	-	Top Side	5mm	Ant 1	DSI 3	41055	2636.5	16.74	17.80	1.276	62.9	1.006	-0.07	0.441	0.566
	LTE Band 41	20M	QPSK	50	24	-	Top Side	5mm	Ant 1	DSI 3	41490	2680	16.75	17.80	1.274	62.9	1.006	-0.11	0.429	0.550
	LTE Band 41	20M	QPSK	100	0	-	Top Side	5mm	Ant 1	DSI 3	40620	2593	16.88	17.80	1.236	62.9	1.006	0.12	0.547	0.680
	LTE Band 41	20M	QPSK	1	49	-	Front	5mm	Ant 2	DSI 3	40620	2593	23.01	24.00	1.256	62.9	1.006	-0.02	0.789	0.997
	LTE Band 41	20M	QPSK	1	49	-	Front	5mm	Ant 2	DSI 3	39750	2506	22.80	24.00	1.318	62.9	1.006	-0.12	0.806	1.069
	LTE Band 41	20M	QPSK	1	49	-	Front	5mm	Ant 2	DSI 3	40185	2549.5	22.84	24.00	1.306	62.9	1.006	0.16	0.834	1.096
	LTE Band 41	20M	QPSK	1	49	-	Front	5mm	Ant 2	DSI 3	41055	2636.5	22.64	24.00	1.368	62.9	1.006	0.14	0.747	1.028
	LTE Band 41	20M	QPSK	1	49	-	Front	5mm	Ant 2	DSI 3	41490	2680	22.74	24.00	1.337	62.9	1.006	0.07	0.759	1.021
57	LTE Band 41	20M	QPSK	1	49	-	Back	5mm	Ant 2	DSI 3	40620	2593	23.01	24.00	1.256	62.9	1.006	0.06	0.989	**1.250**
	LTE Band 41C	20M	QPSK	1	49	-	Back	5mm	Ant 2	DSI 3	40620 +40818	2593 +2612.8	23.00	24.00	1.259	62.9	1.006	0.02	0.954	1.208
	LTE Band 41	20M	QPSK	1	49	-	Back	5mm	Ant 2	DSI 3	39750	2506	22.80	24.00	1.318	62.9	1.006	0.01	0.795	1.054
	LTE Band 41	20M	QPSK	1	49	-	Back	5mm	Ant 2	DSI 3	40185	2549.5	22.84	24.00	1.306	62.9	1.006	-0.11	0.837	1.100
	LTE Band 41	20M	QPSK	1	49	-	Back	5mm	Ant 2	DSI 3	41055	2636.5	22.64	24.00	1.368	62.9	1.006	-0.15	0.811	1.116
	LTE Band 41	20M	QPSK	1	49	-	Back	5mm	Ant 2	DSI 3	41490	2680	22.74	24.00	1.337	62.9	1.006	0.14	0.823	1.107
	LTE Band 41	20M	QPSK	1	49	-	Right Side	5mm	Ant 2	DSI 3	40620	2593	23.01	24.00	1.256	62.9	1.006	0.08	0.698	0.882
	LTE Band 41	20M	QPSK	1	49	-	Right Side	5mm	Ant 2	DSI 3	39750	2506	22.80	24.00	1.318	62.9	1.006	-0.19	0.576	0.764
	LTE Band 41	20M	QPSK	1	49	-	Right Side	5mm	Ant 2	DSI 3	40185	2549.5	22.84	24.00	1.306	62.9	1.006	0.01	0.639	0.840
	LTE Band 41	20M	QPSK	1	49	-	Right Side	5mm	Ant 2	DSI 3	41055	2636.5	22.64	24.00	1.368	62.9	1.006	0.14	0.566	0.779
	LTE Band 41	20M	QPSK	1	49	-	Right Side	5mm	Ant 2	DSI 3	41490	2680	22.74	24.00	1.337	62.9	1.006	0.19	0.603	0.811
	LTE Band 41	20M	QPSK	1	49	-	Bottom Side	5mm	Ant 2	DSI 3	40620	2593	23.01	24.00	1.256	62.9	1.006	-0.17	0.539	0.681
	LTE Band 41	20M	QPSK	1	49	-	Bottom Side	5mm	Ant 2	DSI 3	39750	2506	22.80	24.00	1.318	62.9	1.006	0.08	0.599	0.794
	LTE Band 41	20M	QPSK	1	49	-	Bottom Side	5mm	Ant 2	DSI 3	40185	2549.5	22.84	24.00	1.306	62.9	1.006	-0.14	0.624	0.820
	LTE Band 41	20M	QPSK	1	49	-	Bottom Side	5mm	Ant 2	DSI 3	41055	2636.5	22.64	24.00	1.368	62.9	1.006	-0.19	0.451	0.621
	LTE Band 41	20M	QPSK	1	49	-	Bottom Side	5mm	Ant 2	DSI 3	41490	2680	22.74	24.00	1.337	62.9	1.006	-0.02	0.494	0.664
	LTE Band 41_PC2	20M	QPSK	1	49	-	Back	5mm	Ant 2	DSI 3	40620	2593	24.61	25.50	1.227	42.9	1.009	0.05	0.982	1.216
	LTE Band 41	20M	QPSK	50	24	-	Front	5mm	Ant 2	DSI 3	40620	2593	22.99	24.00	1.262	62.9	1.006	-0.02	0.772	0.980
	LTE Band 41	20M	QPSK	50	24	-	Front	5mm	Ant 2	DSI 3	39750	2506	22.78	24.00	1.324	62.9	1.006	-0.11	0.790	1.053
	LTE Band 41	20M	QPSK	50	24	-	Front	5mm	Ant 2	DSI 3	40185	2549.5	22.81	24.00	1.315	62.9	1.006	0.12	0.823	1.089
	LTE Band 41	20M	QPSK	50	24	-	Front	5mm	Ant 2	DSI 3	41055	2636.5	22.62	24.00	1.374	62.9	1.006	-0.06	0.776	1.073
	LTE Band 41	20M	QPSK	50	24	-	Front	5mm	Ant 2	DSI 3	41490	2680	22.71	24.00	1.346	62.9	1.006	0.16	0.784	1.061
	LTE Band 41	20M	QPSK	50	24	-	Back	5mm	Ant 2	DSI 3	40620	2593	22.99	24.00	1.262	62.9	1.006	0.06	0.954	1.211
	LTE Band 41	20M	QPSK	50	24	-	Back	5mm	Ant 2	DSI 3	39750	2506	22.78	24.00	1.324	62.9	1.006	0.01	0.780	1.039
	LTE Band 41	20M	QPSK	50	24	-	Back	5mm	Ant 2	DSI 3	40185	2549.5	22.81	24.00	1.315	62.9	1.006	-0.11	0.828	1.096
	LTE Band 41	20M	QPSK	50	24	-	Back	5mm	Ant 2	DSI 3	41055	2636.5	22.62	24.00	1.374	62.9	1.006	-0.15	0.791	1.093
	LTE Band 41	20M	QPSK	50	24	-	Back	5mm	Ant 2	DSI 3	41490	2680	22.71	24.00	1.346	62.9	1.006	0.14	0.814	1.102
	LTE Band 41	20M	QPSK	50	24	-	Right Side	5mm	Ant 2	DSI 3	40620	2593	22.99	24.00	1.262	62.9	1.006	0.08	0.675	0.857
	LTE Band 41	20M	QPSK	50	24	-	Right Side	5mm	Ant 2	DSI 3	39750	2506	22.78	24.00	1.324	62.9	1.006	0.03	0.579	0.771
	LTE Band 41	20M	QPSK	50	24	-	Right Side	5mm	Ant 2	DSI 3	40185	2549.5	22.81	24.00	1.315	62.9	1.006	-0.1	0.638	0.844
	LTE Band 41	20M	QPSK	50	24	-	Right Side	5mm	Ant 2	DSI 3	41055	2636.5	22.62	24.00	1.374	62.9	1.006	-0.17	0.598	0.827
	LTE Band 41	20M	QPSK	50	24	-	Right Side	5mm	Ant 2	DSI 3	41490	2680	22.71	24.00	1.346	62.9	1.006	-0.14	0.637	0.862
	LTE Band 41	20M	QPSK	50	24	-	Bottom Side	5mm	Ant 2	DSI 3	40620	2593	22.99	24.00	1.262	62.9	1.006	-0.17	0.505	0.641
	LTE Band 41	20M	QPSK	50	24	-	Bottom Side	5mm	Ant 2	DSI 3	39750	2506	22.78	24.00	1.324	62.9	1.006	-0.15	0.572	0.762
	LTE Band 41	20M	QPSK	50	24	-	Bottom Side	5mm	Ant 2	DSI 3	40185	2549.5	22.81	24.00	1.315	62.9	1.006	0.13	0.602	0.797
	LTE Band 41	20M	QPSK	50	24	-	Bottom Side	5mm	Ant 2	DSI 3	41055	2636.5	22.62	24.00	1.374	62.9	1.006	-0.15	0.432	0.597
	LTE Band 41	20M	QPSK	50	24	-	Bottom Side	5mm	Ant 2	DSI 3	41490	2680	22.71	24.00	1.346	62.9	1.006	-0.07	0.469	0.635
	LTE Band 41	20M	QPSK	100	0	-	Front	5mm	Ant 2	DSI 3	40620	2593	22.95	24.00	1.274	62.9	1.006	-0.06	0.782	1.002
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 2	DSI 3	40620	2593	22.95	24.00	1.274	62.9	1.006	0.04	0.933	1.195
	LTE Band 41	20M	QPSK	100	0	-	Right Side	5mm	Ant 2	DSI 3	40620	2593	22.95	24.00	1.274	62.9	1.006	-0.02	0.677	0.867
	LTE Band 41	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 2	DSI 3	40620	2593	22.95	24.00	1.274	62.9	1.006	-0.11	0.529	0.678
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 1	DSI 3	507000	2535	14.31	15.50	1.315	-	1.000	-0.03	0.258	0.339
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	DSI 3	507000	2535	14.31	15.50	1.315	-	1.000	0.02	0.457	0.601
	FR1 n7	40M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 1	DSI 3	507000	2535	14.31	15.50	1.315	-	1.000	-0.08	0.083	0.109
	FR1 n7	40M	QPSK	1	1	DFT-15	Top Side	5mm	Ant 1	DSI 3	507000	2535	14.31	15.50	1.315	-	1.000	0.02	0.732	0.963
	FR1 n7	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 1	DSI 3	507000	2535	14.29	15.50	1.321	-	1.000	0.06	0.259	0.342

	FR1 n7	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 1	DSI 3	507000	2535	14.29	15.50	1.321	-	1.000	0.02	0.465	0.614
	FR1 n7	40M	QPSK	108	54	DFT-15	Left Side	5mm	Ant 1	DSI 3	507000	2535	14.29	15.50	1.321	-	1.000	-0.03	0.085	0.112
58	FR1 n7	40M	QPSK	108	54	DFT-15	Top Side	5mm	Ant 1	DSI 3	507000	2535	14.29	15.50	1.321	-	1.000	0.13	0.753	**0.995**
	FR1 n7	40M	QPSK	216	0	DFT-15	Top Side	5mm	Ant 1	DSI 3	507000	2535	14.27	15.50	1.327	-	1.000	0.02	0.724	0.961
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 0	DSI 3	518598	2592.99	15.41	16.50	1.285	-	1.000	-0.17	0.183	0.235
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 0	DSI 3	518598	2592.99	15.41	16.50	1.285	-	1.000	0.19	0.318	0.409
	FR1 n41	100M	QPSK	1	1	DFT-30	Left Side	5mm	Ant 0	DSI 3	518598	2592.99	15.41	16.50	1.285	-	1.000	0.19	0.648	0.833
	FR1 n41	100M	QPSK	1	1	DFT-30	Bottom Side	5mm	Ant 0	DSI 3	518598	2592.99	15.41	16.50	1.285	-	1.000	0	0.399	0.513
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 0	DSI 3	518598	2592.99	15.39	16.50	1.291	-	1.000	-0.19	0.197	0.254
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 0	DSI 3	518598	2592.99	15.39	16.50	1.291	-	1.000	-0.11	0.327	0.422
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	5mm	Ant 0	DSI 3	518598	2592.99	15.39	16.50	1.291	-	1.000	0.05	0.657	0.848
	FR1 n41	100M	QPSK	135	69	DFT-30	Bottom Side	5mm	Ant 0	DSI 3	518598	2592.99	15.39	16.50	1.291	-	1.000	0.15	0.405	0.523
	FR1 n41_PC2	100M	QPSK	135	69	DFT-30	Left Side	5mm	Ant 0	DSI 3	518598	2592.99	18.19	19.50	1.352	50	1.000	0.05	0.636	0.860
	FR1 n41	100M	QPSK	270	0	DFT-30	Left Side	5mm	Ant 0	DSI 3	518598	2592.99	15.36	16.50	1.300	-	1.000	0.14	0.641	0.833
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 1	DSI 3	518598	2592.99	14.12	15.50	1.374	-	1.000	0.08	0.231	0.317
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 1	DSI 3	518598	2592.99	14.12	15.50	1.374	-	1.000	0.09	0.406	0.558
	FR1 n41	100M	QPSK	1	1	DFT-30	Left Side	5mm	Ant 1	DSI 3	518598	2592.99	14.12	15.50	1.374	-	1.000	-0.18	0.072	0.099
	FR1 n41	100M	QPSK	1	1	DFT-30	Top Side	5mm	Ant 1	DSI 3	518598	2592.99	14.12	15.50	1.374	-	1.000	0.18	0.674	0.926
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 1	DSI 3	518598	2592.99	14.10	15.50	1.380	-	1.000	0.11	0.247	0.341
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 1	DSI 3	518598	2592.99	14.10	15.50	1.380	-	1.000	-0.1	0.417	0.576
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	5mm	Ant 1	DSI 3	518598	2592.99	14.10	15.50	1.380	-	1.000	-0.15	0.075	0.104
	FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 1	DSI 3	518598	2592.99	14.10	15.50	1.380	-	1.000	0.17	0.685	0.946
	FR1 n41_PC2	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 1	DSI 3	518598	2592.99	17.21	18.50	1.346	50	1.000	0.17	0.706	0.950
	FR1 n41	100M	QPSK	270	0	DFT-30	Top Side	5mm	Ant 1	DSI 3	518598	2592.99	14.09	15.50	1.384	-	1.000	0.08	0.667	0.923
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 2	DSI 3	518598	2592.99	21.36	22.50	1.300	-	1.000	-0.17	0.886	1.152
59	FR1 n41	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 2	DSI 3	518598	2592.99	21.36	22.50	1.300	-	1.000	-0.12	0.951	**1.236**
	FR1 n41	100M	QPSK	1	1	DFT-30	Right Side	5mm	Ant 2	DSI 3	518598	2592.99	21.36	22.50	1.300	-	1.000	0.13	0.584	0.759
	FR1 n41	100M	QPSK	1	1	DFT-30	Bottom Side	5mm	Ant 2	DSI 3	518598	2592.99	21.36	22.50	1.300	-	1.000	-0.02	0.654	0.850
	FR1 n41_PC2	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 2	DSI 3	518598	2592.99	24.31	25.50	1.315	50	1.000	-0.12	0.934	1.228
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 2	DSI 3	518598	2592.99	21.34	22.50	1.306	-	1.000	-0.07	0.852	1.113
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 2	DSI 3	518598	2592.99	21.34	22.50	1.306	-	1.000	-0.14	0.920	1.202
	FR1 n41	100M	QPSK	135	69	DFT-30	Right Side	5mm	Ant 2	DSI 3	518598	2592.99	21.34	22.50	1.306	-	1.000	0.18	0.551	0.720
	FR1 n41	100M	QPSK	135	69	DFT-30	Bottom Side	5mm	Ant 2	DSI 3	518598	2592.99	21.34	22.50	1.306	-	1.000	-0.18	0.625	0.816
	FR1 n41	100M	QPSK	270	0	DFT-30	Front	5mm	Ant 2	DSI 3	518598	2592.99	21.32	22.50	1.312	-	1.000	0.13	0.845	1.109
	FR1 n41	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 2	DSI 3	518598	2592.99	21.32	22.50	1.312	-	1.000	-0.1	0.924	1.212
	FR1 n41	100M	QPSK	270	0	DFT-30	Right Side	5mm	Ant 2	DSI 3	518598	2592.99	21.32	22.50	1.312	-	1.000	0.04	0.545	0.715
	FR1 n41	100M	QPSK	270	0	DFT-30	Bottom Side	5mm	Ant 2	DSI 3	518598	2592.99	21.32	22.50	1.312	-	1.000	0.1	0.631	0.828
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 4	DSI 3	518598	2592.99	16.71	17.50	1.199	-	1.000	-0.08	0.177	0.212
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 4	DSI 3	518598	2592.99	16.71	17.50	1.199	-	1.000	-0.19	0.365	0.438
	FR1 n41	100M	QPSK	1	1	DFT-30	Right Side	5mm	Ant 4	DSI 3	518598	2592.99	16.71	17.50	1.199	-	1.000	-0.05	0.138	0.166
	FR1 n41	100M	QPSK	1	1	DFT-30	Top Side	5mm	Ant 4	DSI 3	518598	2592.99	16.71	17.50	1.199	-	1.000	-0.09	0.650	0.780
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 4	DSI 3	518598	2592.99	16.70	17.50	1.202	-	1.000	-0.12	0.176	0.212
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 4	DSI 3	518598	2592.99	16.70	17.50	1.202	-	1.000	-0.12	0.385	0.463
	FR1 n41	100M	QPSK	135	69	DFT-30	Right Side	5mm	Ant 4	DSI 3	518598	2592.99	16.70	17.50	1.202	-	1.000	0.08	0.144	0.173
	FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 4	DSI 3	518598	2592.99	16.70	17.50	1.202	-	1.000	0	0.661	0.795
	FR1 n41_PC2	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 4	DSI 3	518598	2592.99	19.82	20.50	1.169	50	1.000	0.05	0.673	0.787
	FR1 n41	100M	QPSK	270	0	DFT-30	Top Side	5mm	Ant 4	DSI 3	518598	2592.99	16.67	17.50	1.211	-	1.000	-0.08	0.642	0.777
3500/3700/3900MHz																				
	LTE Band 48	20M	QPSK	1	49	-	Front	5mm	Ant 3	DSI 3	55340	3560	18.93	19.40	1.114	62.9	1.006	-0.04	0.315	0.353
	LTE Band 48	20M	QPSK	1	49	-	Back	5mm	Ant 3	DSI 3	55340	3560	18.93	19.40	1.114	62.9	1.006	0.01	0.750	0.841
	LTE Band 48	20M	QPSK	1	49	-	Back	5mm	Ant 3	DSI 3	55830	3609	18.87	19.40	1.130	62.9	1.006	-0.16	0.626	0.711
	LTE Band 48	20M	QPSK	1	49	-	Back	5mm	Ant 3	DSI 3	56150	3641	18.91	19.40	1.119	62.9	1.006	0.17	0.625	0.704
	LTE Band 48	20M	QPSK	1	49	-	Back	5mm	Ant 3	DSI 3	56640	3690	18.89	19.40	1.125	62.9	1.006	0.03	0.661	0.748
60	LTE Band 48	20M	QPSK	1	49	-	Left Side	5mm	Ant 3	DSI 3	55340	3560	18.93	19.40	1.114	62.9	1.006	0.03	0.882	**0.989**
	LTE Band 48C	20M	QPSK	1	99	-	Left Side	5mm	Ant 3	DSI 3	55340 +55538	3560 +3579.8	18.52	19.40	1.225	62.9	1.006	0.03	0.801	0.987
	LTE Band 48	20M	QPSK	1	49	-	Top Side	5mm	Ant 3	DSI 3	55340	3560	18.93	19.40	1.114	62.9	1.006	0.14	0.080	0.090

	LTE Band 48	20M	QPSK	1	49	-	Left Side	5mm	Ant 3	DSI 3	55830	3609	18.87	19.40	1.130	62.9	1.006	-0.04	0.765	0.869
	LTE Band 48	20M	QPSK	1	49	-	Left Side	5mm	Ant 3	DSI 3	56150	3641	18.91	19.40	1.119	62.9	1.006	-0.01	0.762	0.858
	LTE Band 48	20M	QPSK	1	49	-	Left Side	5mm	Ant 3	DSI 3	56640	3690	18.89	19.40	1.125	62.9	1.006	0.13	0.754	0.853
	LTE Band 48	20M	QPSK	50	24	-	Front	5mm	Ant 3	DSI 3	55340	3560	18.90	19.40	1.122	62.9	1.006	-0.16	0.313	0.353
	LTE Band 48	20M	QPSK	50	24	-	Back	5mm	Ant 3	DSI 3	55340	3560	18.90	19.40	1.122	62.9	1.006	-0.01	0.741	0.836
	LTE Band 48	20M	QPSK	50	24	-	Back	5mm	Ant 3	DSI 3	55830	3609	18.84	19.40	1.138	62.9	1.006	-0.04	0.654	0.748
	LTE Band 48	20M	QPSK	50	24	-	Back	5mm	Ant 3	DSI 3	56150	3641	18.89	19.40	1.125	62.9	1.006	-0.04	0.625	0.707
	LTE Band 48	20M	QPSK	50	24	-	Back	5mm	Ant 3	DSI 3	56640	3690	18.87	19.40	1.130	62.9	1.006	-0.13	0.654	0.743
	LTE Band 48	20M	QPSK	50	24	-	Left Side	5mm	Ant 3	DSI 3	55340	3560	18.90	19.40	1.122	62.9	1.006	0.15	0.853	0.963
	LTE Band 48	20M	QPSK	50	24	-	Top Side	5mm	Ant 3	DSI 3	55340	3560	18.90	19.40	1.122	62.9	1.006	-0.06	0.082	0.093
	LTE Band 48	20M	QPSK	50	24	-	Left Side	5mm	Ant 3	DSI 3	55830	3609	18.84	19.40	1.138	62.9	1.006	-0.01	0.794	0.909
	LTE Band 48	20M	QPSK	50	24	-	Left Side	5mm	Ant 3	DSI 3	56150	3641	18.89	19.40	1.125	62.9	1.006	-0.13	0.756	0.855
	LTE Band 48	20M	QPSK	50	24	-	Left Side	5mm	Ant 3	DSI 3	56640	3690	18.87	19.40	1.130	62.9	1.006	-0.02	0.766	0.871
	LTE Band 48	20M	QPSK	100	0	-	Back	5mm	Ant 3	DSI 3	55340	3560	18.91	19.40	1.119	62.9	1.006	-0.16	0.733	0.825
	LTE Band 48	20M	QPSK	100	0	-	Left Side	5mm	Ant 3	DSI 3	55340	3560	18.91	19.40	1.119	62.9	1.006	-0.01	0.845	0.952
	LTE Band 48	20M	QPSK	1	49	-	Front	5mm	Ant 8	DSI 3	55340	3560	14.39	15.50	1.291	62.9	1.006	-	n/a	n/a
	LTE Band 48	20M	QPSK	1	49	-	Back	5mm	Ant 8	DSI 3	55340	3560	14.39	15.50	1.291	62.9	1.006	-0.12	0.755	0.981
	LTE Band 48C	20M	QPSK	1	99	-	Back	5mm	Ant 8	DSI 3	55340 +55538	3560 +2579.8	14.07	15.50	1.390	62.9	1.006	-0.1	0.701	0.980
	LTE Band 48	20M	QPSK	1	49	-	Back	5mm	Ant 8	DSI 3	55830	3609	14.33	15.50	1.309	62.9	1.006	-0.1	0.710	0.935
	LTE Band 48	20M	QPSK	1	49	-	Back	5mm	Ant 8	DSI 3	56150	3641	14.26	15.50	1.330	62.9	1.006	0.05	0.683	0.914
	LTE Band 48	20M	QPSK	1	49	-	Back	5mm	Ant 8	DSI 3	56640	3690	14.36	15.50	1.300	62.9	1.006	0	0.672	0.879
	LTE Band 48	20M	QPSK	1	49	-	Left Side	5mm	Ant 8	DSI 3	55340	3560	14.39	15.50	1.291	62.9	1.006	-0.16	0.086	0.112
	LTE Band 48	20M	QPSK	1	49	-	Top Side	5mm	Ant 8	DSI 3	55340	3560	14.39	15.50	1.291	62.9	1.006	0.01	0.105	0.136
	LTE Band 48	20M	QPSK	50	24	-	Front	5mm	Ant 8	DSI 3	55340	3560	14.37	15.50	1.297	62.9	1.006	-	n/a	n/a
	LTE Band 48	20M	QPSK	50	24	-	Back	5mm	Ant 8	DSI 3	55340	3560	14.37	15.50	1.297	62.9	1.006	-0.13	0.746	0.974
	LTE Band 48	20M	QPSK	50	24	-	Back	5mm	Ant 8	DSI 3	55830	3609	14.30	15.50	1.318	62.9	1.006	0.19	0.703	0.932
	LTE Band 48	20M	QPSK	50	24	-	Back	5mm	Ant 8	DSI 3	56150	3641	14.25	15.50	1.334	62.9	1.006	-0.15	0.676	0.907
	LTE Band 48	20M	QPSK	50	24	-	Back	5mm	Ant 8	DSI 3	56640	3690	14.34	15.50	1.306	62.9	1.006	0.17	0.654	0.859
	LTE Band 48	20M	QPSK	50	24	-	Left Side	5mm	Ant 8	DSI 3	55340	3560	14.37	15.50	1.297	62.9	1.006	0.03	0.087	0.114
	LTE Band 48	20M	QPSK	50	24	-	Top Side	5mm	Ant 8	DSI 3	55340	3560	14.37	15.50	1.297	62.9	1.006	0.02	0.114	0.149
	LTE Band 48	20M	QPSK	100	0	-	Back	5mm	Ant 8	DSI 3	55340	3560	14.35	15.50	1.303	62.9	1.006	0.09	0.742	0.973
	FR1 n48	40M	QPSK	1	1	DFT-30	Front	5mm	Ant 3	DSI 3	641666	3624.99	16.97	18.00	1.268	-	1.000	-0.02	0.309	0.392
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	5mm	Ant 3	DSI 3	641666	3624.99	16.97	18.00	1.268	-	1.000	0.04	0.674	0.854
	FR1 n48	40M	QPSK	1	1	DFT-30	Left Side	5mm	Ant 3	DSI 3	641666	3624.99	16.97	18.00	1.268	-	1.000	0.04	0.760	0.963
	FR1 n48	40M	QPSK	1	1	DFT-30	Top Side	5mm	Ant 3	DSI 3	641666	3624.99	16.97	18.00	1.268	-	1.000	0.04	0.080	0.101
	FR1 n48	40M	QPSK	50	28	DFT-30	Front	5mm	Ant 3	DSI 3	641666	3624.99	16.94	18.00	1.276	-	1.000	0.05	0.295	0.377
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	5mm	Ant 3	DSI 3	641666	3624.99	16.94	18.00	1.276	-	1.000	-0.06	0.659	0.841
	FR1 n48	40M	QPSK	50	28	DFT-30	Left Side	5mm	Ant 3	DSI 3	641666	3624.99	16.94	18.00	1.276	-	1.000	0.13	0.748	0.955
	FR1 n48	40M	QPSK	50	28	DFT-30	Top Side	5mm	Ant 3	DSI 3	641666	3624.99	16.94	18.00	1.276	-	1.000	0.13	0.074	0.094
	FR1 n48	40M	QPSK	100	0	DFT-30	Back	5mm	Ant 3	DSI 3	641666	3624.99	16.90	18.00	1.288	-	1.000	-0.06	0.649	0.836
	FR1 n48	40M	QPSK	100	0	DFT-30	Left Side	5mm	Ant 3	DSI 3	641666	3624.99	16.90	18.00	1.288	-	1.000	0.12	0.731	0.942
	FR1 n48	40M	QPSK	1	1	DFT-30	Front	5mm	Ant 8	DSI 3	641666	3624.99	13.10	14.00	1.230	-	1.000	-0.09	0.050	0.062
61	FR1 n48	40M	QPSK	1	1	DFT-30	Back	5mm	Ant 8	DSI 3	641666	3624.99	13.10	14.00	1.230	-	1.000	0.06	0.800	**0.984**
	FR1 n48	40M	QPSK	1	1	DFT-30	Left Side	5mm	Ant 8	DSI 3	641666	3624.99	13.10	14.00	1.230	-	1.000	0.02	0.082	0.101
	FR1 n48	40M	QPSK	1	1	DFT-30	Top Side	5mm	Ant 8	DSI 3	641666	3624.99	13.10	14.00	1.230	-	1.000	-0.17	0.085	0.105
	FR1 n48	40M	QPSK	50	28	DFT-30	Front	5mm	Ant 8	DSI 3	641666	3624.99	13.06	14.00	1.242	-	1.000	0.17	0.051	0.063
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	5mm	Ant 8	DSI 3	641666	3624.99	13.06	14.00	1.242	-	1.000	0.05	0.789	0.980
	FR1 n48	40M	QPSK	50	28	DFT-30	Left Side	5mm	Ant 8	DSI 3	641666	3624.99	13.06	14.00	1.242	-	1.000	-0.09	0.081	0.101
	FR1 n48	40M	QPSK	50	28	DFT-30	Top Side	5mm	Ant 8	DSI 3	641666	3624.99	13.06	14.00	1.242	-	1.000	-0.02	0.084	0.104
	FR1 n48	40M	QPSK	100	0	DFT-30	Back	5mm	Ant 8	DSI 3	641666	3624.99	12.98	14.00	1.265	-	1.000	-0.09	0.758	0.959
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 3	DSI 3	633332	3499.98	15.33	16.00	1.167	-	1.000	0	0.349	0.407
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 3	DSI 3	633332	3499.98	15.33	16.00	1.167	-	1.000	0.06	0.792	0.924
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	5mm	Ant 3	DSI 3	633332	3499.98	15.33	16.00	1.167	-	1.000	0.03	0.765	0.893
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	5mm	Ant 3	DSI 3	633332	3499.98	15.33	16.00	1.167	-	1.000	-0.18	0.059	0.069
	FR1 n77_PC2	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 3	DSI 3	633332	3499.98	18.21	19.00	1.199	50	1.000	0.06	0.768	0.921
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 3	DSI 3	633332	3499.98	15.31	16.00	1.172	-	1.000	-0.1	0.335	0.393

	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 3	DSI 3	633332	3499.98	15.31	16.00	1.172	-	1.000	0.19	0.766	0.898
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	5mm	Ant 3	DSI 3	633332	3499.98	15.31	16.00	1.172	-	1.000	-0.08	0.747	0.876
	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 3	DSI 3	633332	3499.98	15.31	16.00	1.172	-	1.000	-0.09	0.058	0.068
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 3	DSI 3	633332	3499.98	15.29	16.00	1.178	-	1.000	0.06	0.776	0.914
	FR1 n77	100M	QPSK	270	0	DFT-30	Left Side	5mm	Ant 3	DSI 3	633332	3499.98	15.29	16.00	1.178	-	1.000	0.06	0.733	0.863
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 3	DSI 3	656000	3840	15.23	16.00	1.194	-	1.000	0.01	0.293	0.350
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 3	DSI 3	656000	3840	15.23	16.00	1.194	-	1.000	-0.03	0.627	0.749
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	5mm	Ant 3	DSI 3	656000	3840	15.23	16.00	1.194	-	1.000	-0.15	0.599	0.715
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	5mm	Ant 3	DSI 3	656000	3840	15.23	16.00	1.194	-	1.000	-0.12	0.056	0.067
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 3	DSI 3	656000	3840	15.21	16.00	1.199	-	1.000	-0.07	0.305	0.366
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 3	DSI 3	656000	3840	15.21	16.00	1.199	-	1.000	-0.13	0.645	0.774
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	5mm	Ant 3	DSI 3	656000	3840	15.21	16.00	1.199	-	1.000	-0.18	0.622	0.746
	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 3	DSI 3	656000	3840	15.21	16.00	1.199	-	1.000	-0.18	0.059	0.071
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 3	DSI 3	656000	3840	15.19	16.00	1.205	-	1.000	-0.13	0.639	0.770
	FR1 n77	100M	QPSK	270	0	DFT-30	Left Side	5mm	Ant 3	DSI 3	656000	3840	15.19	16.00	1.205	-	1.000	-0.18	0.616	0.742
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 7	DSI 3	633332	3499.98	14.69	15.50	1.205	-	1.000	0.16	0.123	0.148
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 7	DSI 3	633332	3499.98	14.69	15.50	1.205	-	1.000	-0.15	0.314	0.378
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Side	5mm	Ant 7	DSI 3	633332	3499.98	14.69	15.50	1.205	-	1.000	0.05	0.323	0.389
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	5mm	Ant 7	DSI 3	633332	3499.98	14.69	15.50	1.205	-	1.000	-0.1	0.163	0.196
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 7	DSI 3	633332	3499.98	14.67	15.50	1.211	-	1.000	0.03	0.126	0.153
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 7	DSI 3	633332	3499.98	14.67	15.50	1.211	-	1.000	0.09	0.320	0.387
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Side	5mm	Ant 7	DSI 3	633332	3499.98	14.67	15.50	1.211	-	1.000	0.19	0.329	0.398
	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 7	DSI 3	633332	3499.98	14.67	15.50	1.211	-	1.000	0.08	0.167	0.202
	FR1 n77_PC2	100M	QPSK	135	69	DFT-30	Right Side	5mm	Ant 7	DSI 3	633332	3499.98	17.36	18.50	1.300	50	1.000	0.09	0.306	0.398
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 7	DSI 3	656000	3840	14.76	15.50	1.186	-	1.000	-0.14	0.128	0.152
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 7	DSI 3	656000	3840	14.76	15.50	1.186	-	1.000	0	0.276	0.327
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Side	5mm	Ant 7	DSI 3	656000	3840	14.76	15.50	1.186	-	1.000	0.04	0.302	0.358
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	5mm	Ant 7	DSI 3	656000	3840	14.76	15.50	1.186	-	1.000	0.11	0.276	0.327
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 7	DSI 3	656000	3840	14.74	15.50	1.191	-	1.000	-0.17	0.138	0.164
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 7	DSI 3	656000	3840	14.74	15.50	1.191	-	1.000	0.08	0.290	0.345
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Side	5mm	Ant 7	DSI 3	656000	3840	14.74	15.50	1.191	-	1.000	0.19	0.315	0.375
	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 7	DSI 3	656000	3840	14.74	15.50	1.191	-	1.000	-0.15	0.285	0.340
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 8	DSI 3	633332	3499.98	12.29	13.00	1.178	-	1.000	-0.18	0.066	0.078
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 8	DSI 3	633332	3499.98	12.29	13.00	1.178	-	1.000	-0.08	0.793	0.934
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	5mm	Ant 8	DSI 3	633332	3499.98	12.29	13.00	1.178	-	1.000	-0.08	0.085	0.100
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	5mm	Ant 8	DSI 3	633332	3499.98	12.29	13.00	1.178	-	1.000	-0.13	0.107	0.126
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 8	DSI 3	633332	3499.98	12.26	13.00	1.186	-	1.000	0.19	0.065	0.077
62	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 8	DSI 3	633332	3499.98	12.26	13.00	1.186	-	1.000	-0.03	0.806	**0.956**
	FR1 n77_PC2	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 8	DSI 3	633332	3499.98	15.30	16.00	1.175	50	1.000	-0.05	0.792	0.931
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	5mm	Ant 8	DSI 3	633332	3499.98	12.26	13.00	1.186	-	1.000	0.1	0.076	0.090
	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 8	DSI 3	633332	3499.98	12.26	13.00	1.186	-	1.000	-0.01	0.102	0.121
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 8	DSI 3	633332	3499.98	12.24	13.00	1.191	-	1.000	0.05	0.784	0.934
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 8	DSI 3	656000	3840	11.89	13.00	1.291	-	1.000	0.11	0.055	0.071
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 8	DSI 3	656000	3840	11.89	13.00	1.291	-	1.000	0.12	0.675	0.872
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	5mm	Ant 8	DSI 3	656000	3840	11.89	13.00	1.291	-	1.000	-0.06	0.053	0.068
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	5mm	Ant 8	DSI 3	656000	3840	11.89	13.00	1.291	-	1.000	-0.18	0.092	0.119
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 8	DSI 3	656000	3840	11.87	13.00	1.297	-	1.000	-0.13	0.053	0.069
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 8	DSI 3	656000	3840	11.87	13.00	1.297	-	1.000	0.09	0.641	0.831
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	5mm	Ant 8	DSI 3	656000	3840	11.87	13.00	1.297	-	1.000	0.18	0.049	0.064
	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 8	DSI 3	656000	3840	11.87	13.00	1.297	-	1.000	-0.19	0.089	0.115
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 8	DSI 3	656000	3840	11.85	13.00	1.303	-	1.000	0.09	0.642	0.837
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 9	DSI 3	633332	3499.98	14.02	15.00	1.253	-	1.000	-0.01	0.168	0.211
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 9	DSI 3	633332	3499.98	14.02	15.00	1.253	-	1.000	-0.05	0.254	0.318
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Side	5mm	Ant 9	DSI 3	633332	3499.98	14.02	15.00	1.253	-	1.000	0.17	0.614	0.769
	FR1 n77	100M	QPSK	1	1	DFT-30	Bottom Side	5mm	Ant 9	DSI 3	633332	3499.98	14.02	15.00	1.253	-	1.000	0.14	0.409	0.513
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 9	DSI 3	633332	3499.98	14.01	15.00	1.256	-	1.000	-0.1	0.158	0.198

	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 9	DSI 3	633332	3499.98	14.01	15.00	1.256	-	1.000	-0.19	0.247	0.310
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Side	5mm	Ant 9	DSI 3	633332	3499.98	14.01	15.00	1.256	-	1.000	0.19	0.599	0.752
	FR1 n77	100M	QPSK	135	69	DFT-30	Bottom Side	5mm	Ant 9	DSI 3	633332	3499.98	14.01	15.00	1.256	-	1.000	-0.12	0.380	0.477
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 9	DSI 3	656000	3840	13.88	15.00	1.294	-	1.000	-0.08	0.233	0.302
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 9	DSI 3	656000	3840	13.88	15.00	1.294	-	1.000	-0.09	0.376	0.487
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Side	5mm	Ant 9	DSI 3	656000	3840	13.88	15.00	1.294	-	1.000	0.13	0.679	0.879
	FR1 n77	100M	QPSK	1	1	DFT-30	Bottom Side	5mm	Ant 9	DSI 3	656000	3840	13.88	15.00	1.294	-	1.000	0.04	0.237	0.307
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 9	DSI 3	656000	3840	13.86	15.00	1.300	-	1.000	0.15	0.247	0.321
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 9	DSI 3	656000	3840	13.86	15.00	1.300	-	1.000	-0.09	0.390	0.507
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Side	5mm	Ant 9	DSI 3	656000	3840	13.86	15.00	1.300	-	1.000	0.18	0.690	0.897
	FR1 n77	100M	QPSK	135	69	DFT-30	Bottom Side	5mm	Ant 9	DSI 3	656000	3840	13.86	15.00	1.300	-	1.000	-0.11	0.223	0.290
	FR1 n77_PC2	100M	QPSK	135	69	DFT-30	Right Side	5mm	Ant 9	DSI 3	656000	3840	16.94	18.00	1.276	50	1.000	0.18	0.681	0.869
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 9	DSI 3	656000	3840	13.83	15.00	1.309	-	1.000	0.03	0.382	0.500
	FR1 n77	100M	QPSK	270	0	DFT-30	Right Side	5mm	Ant 9	DSI 3	656000	3840	13.83	15.00	1.309	-	1.000	0.12	0.684	0.895

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)
2450MHz																
	Bluetooth	DH5 1Mbps	Front	5mm	Ant 4	Hotspot on	39	2441	9.40	10.00	1.148	76.99	1.299	0.08	0.029	0.043
	Bluetooth	DH5 1Mbps	Back	5mm	Ant 4	Hotspot on	39	2441	9.40	10.00	1.148	76.99	1.299	0.04	0.068	0.101
	Bluetooth	DH5 1Mbps	Right Side	5mm	Ant 4	Hotspot on	39	2441	9.40	10.00	1.148	76.99	1.299	0.02	0.018	0.027
63	Bluetooth	DH5 1Mbps	Top Side	5mm	Ant 4	Hotspot on	39	2441	9.40	10.00	1.148	76.99	1.299	0.01	0.149	**0.222**
	Bluetooth	DH5 1Mbps	Front	5mm	Ant 6	Hotspot on	39	2441	12.80	13.50	1.175	76.85	1.301	-0.16	0.034	0.052
	Bluetooth	DH5 1Mbps	Back	5mm	Ant 6	Hotspot on	39	2441	12.80	13.50	1.175	76.85	1.301	-0.06	0.075	0.115
	Bluetooth	DH5 1Mbps	Right Side	5mm	Ant 6	Hotspot on	39	2441	12.80	13.50	1.175	76.85	1.301	0.08	0.125	0.191
	Bluetooth	DH5 1Mbps	Top Side	5mm	Ant 6	Hotspot on	39	2441	12.80	13.50	1.175	76.85	1.301	0.12	0.045	0.069
	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Front	5mm	Ant 4+6	Hotspot on	1	2412	12.36	14.00	1.459	97.86	1.022	0.13	0.062	0.092
	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Back	5mm	Ant 4+6	Hotspot on	1	2412	12.36	14.00	1.459	97.86	1.022	0.04	0.123	0.183
	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Right Side	5mm	Ant 4+6	Hotspot on	1	2412	12.36	14.00	1.459	97.86	1.022	0.12	0.077	0.115
64	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Top Side	5mm	Ant 4+6	Hotspot on	1	2412	12.36	14.00	1.459	97.86	1.022	0.12	0.251	**0.374**
	WLAN2.4GHz(DBS)	802.11b 1Mbps	Front	5mm	Ant 4+6	Hotspot on	1	2412	10.05	11.50	1.396	97.86	1.022	0.03	0.051	0.073
	WLAN2.4GHz(DBS)	802.11b 1Mbps	Back	5mm	Ant 4+6	Hotspot on	1	2412	10.05	11.50	1.396	97.86	1.022	0.13	0.098	0.140
	WLAN2.4GHz(DBS)	802.11b 1Mbps	Right Side	5mm	Ant 4+6	Hotspot on	1	2412	10.05	11.50	1.396	97.86	1.022	0.04	0.057	0.081
	WLAN2.4GHz(DBS)	802.11b 1Mbps	Top Side	5mm	Ant 4+6	Hotspot on	1	2412	10.05	11.50	1.396	97.86	1.022	0.19	0.131	0.187
5000MHz																
	WLAN5.2GHz(Non-DBS/DBS)	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+7	Hotspot on	42	5210	11.72	13.00	1.343	100	1.000	0.04	0.112	0.150
	WLAN5.2GHz(Non-DBS/DBS)	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+7	Hotspot on	42	5210	11.72	13.00	1.343	100	1.000	0.13	0.121	0.162
65	WLAN5.2GHz(Non-DBS/DBS)	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 5+7	Hotspot on	42	5210	11.72	13.00	1.343	100	1.000	0.16	0.140	**0.188**
	WLAN5.2GHz(Non-DBS/DBS)	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 5+7	Hotspot on	42	5210	11.72	13.00	1.343	100	1.000	0.08	0.124	0.167
	WLAN5.8GHz(Non-DBS/DBS)	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+7	Hotspot on	155	5775	10.95	12.50	1.429	100	1.000	0.04	0.087	0.124
	WLAN5.8GHz(Non-DBS/DBS)	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+7	Hotspot on	155	5775	10.95	12.50	1.429	100	1.000	0.03	0.118	0.169
66	WLAN5.8GHz(Non-DBS/DBS)	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 5+7	Hotspot on	155	5775	10.95	12.50	1.429	100	1.000	0.02	0.126	**0.180**
	WLAN5.8GHz(Non-DBS/DBS)	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 5+7	Hotspot on	155	5775	10.95	12.50	1.429	100	1.000	0.08	0.113	0.161

16.3 Body Worn Accessory SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Headset	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)
750MHz																					
	LTE Band 71	20M	QPSK	1	49	-	Front	5mm	Ant 0	-	DSI 3	133297	680.5	23.25	24.00	1.189	-	1.000	-0.15	0.165	0.196
	LTE Band 71	20M	QPSK	1	49	-	Back	5mm	Ant 0	-	DSI 3	133297	680.5	23.25	24.00	1.189	-	1.000	0.14	0.306	0.364
	LTE Band 71	20M	QPSK	50	24	-	Front	5mm	Ant 0	-	DSI 3	133297	680.5	23.25	24.00	1.189	-	1.000	0.11	0.129	0.153
	LTE Band 71	20M	QPSK	50	24	-	Back	5mm	Ant 0	-	DSI 3	133297	680.5	23.25	24.00	1.189	-	1.000	-0.03	0.270	0.321
	LTE Band 71	20M	QPSK	1	49	-	Front	5mm	Ant 1	-	DSI 3	133297	680.5	23.00	24.00	1.259	-	1.000	-0.08	0.156	0.196
67	LTE Band 71	20M	QPSK	1	49	-	Back	5mm	Ant 1	-	DSI 3	133297	680.5	23.00	24.00	1.259	-	1.000	0.13	0.339	**0.427**
	LTE Band 71	20M	QPSK	50	24	-	Front	5mm	Ant 1	-	DSI 3	133297	680.5	22.97	24.00	1.268	-	1.000	0.09	0.144	0.183
	LTE Band 71	20M	QPSK	50	24	-	Back	5mm	Ant 1	-	DSI 3	133297	680.5	22.97	24.00	1.268	-	1.000	-0.12	0.284	0.360
	LTE Band 12	10M	QPSK	1	25	-	Front	5mm	Ant 0	-	DSI 3	23095	707.5	23.25	24.00	1.189	-	1.000	-0.04	0.240	0.285
	LTE Band 12	10M	QPSK	1	25	-	Back	5mm	Ant 0	-	DSI 3	23095	707.5	23.25	24.00	1.189	-	1.000	-0.01	0.455	0.541
	LTE Band 12	10M	QPSK	25	12	-	Front	5mm	Ant 0	-	DSI 3	23095	707.5	23.24	24.00	1.191	-	1.000	0.11	0.192	0.229
	LTE Band 12	10M	QPSK	25	12	-	Back	5mm	Ant 0	-	DSI 3	23095	707.5	23.24	24.00	1.191	-	1.000	-0.11	0.350	0.417
	LTE Band 12	10M	QPSK	1	25	-	Front	5mm	Ant 1	-	DSI 3	23095	707.5	23.01	24.00	1.256	-	1.000	0.15	0.212	0.266
68	LTE Band 12	10M	QPSK	1	25	-	Back	5mm	Ant 1	-	DSI 3	23095	707.5	23.01	24.00	1.256	-	1.000	0.14	0.541	**0.680**
	LTE Band 12	10M	QPSK	25	12	-	Front	5mm	Ant 1	-	DSI 3	23095	707.5	22.99	24.00	1.262	-	1.000	-0.07	0.160	0.202
	LTE Band 12	10M	QPSK	25	12	-	Back	5mm	Ant 1	-	DSI 3	23095	707.5	22.99	24.00	1.262	-	1.000	0.13	0.515	0.650
	LTE Band 13	10M	QPSK	1	25	-	Front	5mm	Ant 0	-	DSI 3	23230	782	22.57	24.00	1.390	-	1.000	-0.14	0.238	0.331
	LTE Band 13	10M	QPSK	1	25	-	Back	5mm	Ant 0	-	DSI 3	23230	782	22.57	24.00	1.390	-	1.000	-0.06	0.435	0.605
	LTE Band 13	10M	QPSK	25	12	-	Front	5mm	Ant 0	-	DSI 3	23230	782	22.55	24.00	1.396	-	1.000	-0.07	0.189	0.264
	LTE Band 13	10M	QPSK	25	12	-	Back	5mm	Ant 0	-	DSI 3	23230	782	22.55	24.00	1.396	-	1.000	0.13	0.310	0.433
	LTE Band 13	10M	QPSK	1	25	-	Front	5mm	Ant 1	-	DSI 3	23230	782	22.43	24.00	1.435	-	1.000	-0.15	0.205	0.294
69	LTE Band 13	10M	QPSK	1	25	-	Back	5mm	Ant 1	-	DSI 3	23230	782	22.43	24.00	1.435	-	1.000	-0.19	0.436	**0.626**
	LTE Band 13	10M	QPSK	25	12	-	Front	5mm	Ant 1	-	DSI 3	23230	782	22.41	24.00	1.442	-	1.000	0.11	0.152	0.219
	LTE Band 13	10M	QPSK	25	12	-	Back	5mm	Ant 1	-	DSI 3	23230	782	22.41	24.00	1.442	-	1.000	0.17	0.392	0.565
	LTE Band 14	10M	QPSK	1	25	-	Front	5mm	Ant 0	-	DSI 3	23330	793	22.82	24.00	1.312	-	1.000	-0.08	0.322	0.423
	LTE Band 14	10M	QPSK	1	25	-	Back	5mm	Ant 0	-	DSI 3	23330	793	22.82	24.00	1.312	-	1.000	-0.08	0.603	0.791
	LTE Band 14	10M	QPSK	25	12	-	Front	5mm	Ant 0	-	DSI 3	23330	793	22.80	24.00	1.318	-	1.000	0.05	0.293	0.386
	LTE Band 14	10M	QPSK	25	12	-	Back	5mm	Ant 0	-	DSI 3	23330	793	22.80	24.00	1.318	-	1.000	-0.17	0.501	0.660
	LTE Band 14	10M	QPSK	1	25	-	Front	5mm	Ant 1	-		23330	793	22.52	24.00	1.406	-	1.000	-0.14	0.245	0.344
70	LTE Band 14	10M	QPSK	1	25	-	Back	5mm	Ant 1	-	DSI 3	23330	793	22.52	24.00	1.406	-	1.000	0.09	0.590	**0.830**
	LTE Band 14	10M	QPSK	25	12	-	Front	5mm	Ant 1	-	DSI 3	23330	793	22.50	24.00	1.413	-	1.000	0.12	0.202	0.285
	LTE Band 14	10M	QPSK	25	12	-	Back	5mm	Ant 1	-	DSI 3	23330	793	22.50	24.00	1.413	-	1.000	0.05	0.464	0.655
	LTE Band 14	10M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	23330	793	22.47	24.00	1.422	-	1.000	0.1	0.455	0.647
	FR1 n71	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	-	DSI 3	136100	680.5	22.84	24.00	1.306	-	1.000	-0.09	0.188	0.246
	FR1 n71	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	-	DSI 3	136100	680.5	22.84	24.00	1.306	-	1.000	0.02	0.397	0.519
	FR1 n71	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 0	-	DSI 3	136100	680.5	22.81	24.00	1.315	-	1.000	0.05	0.173	0.228
	FR1 n71	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 0	-	DSI 3	136100	680.5	22.81	24.00	1.315	-	1.000	-0.02	0.380	0.500
	FR1 n71	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 1	-	DSI 3	136100	680.5	22.84	24.00	1.306	-	1.000	0	0.123	0.161
	FR1 n71	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	-	DSI 3	136100	680.5	22.84	24.00	1.306	-	1.000	-0.02	0.477	0.623
	FR1 n71	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 1	-	DSI 3	136100	680.5	22.80	24.00	1.318	-	1.000	-0.17	0.162	0.214
71	FR1 n71	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 1	-	DSI 3	136100	680.5	22.80	24.00	1.318	-	1.000	-0.18	0.488	**0.643**
	FR1 n12	15M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	-	DSI 3	141500	707.5	23.22	24.00	1.197	-	1.000	-0.19	0.195	0.233
	FR1 n12	15M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	-	DSI 3	141500	707.5	23.22	24.00	1.197	-	1.000	0.06	0.422	0.505
	FR1 n12	15M	QPSK	36	22	DFT-15	Front	5mm	Ant 0	-	DSI 3	141500	707.5	23.20	24.00	1.202	-	1.000	0.16	0.198	0.238
72	FR1 n12	15M	QPSK	36	22	DFT-15	Back	5mm	Ant 0	-	DSI 3	141500	707.5	23.20	24.00	1.202	-	1.000	-0.15	0.432	**0.519**
	FR1 n14	10M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	-	DSI 3	158600	793	22.83	24.00	1.309	-	1.000	0	0.261	0.342
73	FR1 n14	10M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	-	DSI 3	158600	793	22.83	24.00	1.309	-	1.000	-0.04	0.475	**0.622**
	FR1 n14	10M	QPSK	25	14	DFT-15	Front	5mm	Ant 0	-	DSI 3	158600	793	22.81	24.00	1.315	-	1.000	-0.03	0.267	0.351
	FR1 n14	10M	QPSK	25	14	DFT-15	Back	5mm	Ant 0	-	DSI 3	158600	793	22.81	24.00	1.315	-	1.000	0.11	0.469	0.617
835MHz																					

	GSM850	-	-	-	-	GPRS 3 Tx slots	Front	5mm	Ant 0	-	DSI 3	189	836.4	28.59	29.00	1.099	-	1.000	-0.02	0.391	0.430
	GSM850	-	-	-	-	GPRS 3 Tx slots	Back	5mm	Ant 0	-	DSI 3	189	836.4	28.59	29.00	1.099	-	1.000	0.01	0.721	0.792
	GSM850	-	-	-	-	GPRS 3 Tx slots	Front	5mm	Ant 1	-	DSI 3	189	836.4	28.69	29.00	1.074	-	1.000	0.06	0.321	0.345
74	GSM850	-	-	-	-	GPRS 3 Tx slots	Back	5mm	Ant 1	-	DSI 3	189	836.4	28.69	29.00	1.074	-	1.000	-0.11	0.754	**0.810**
	GSM850	-	-	-	-	GPRS 3 Tx slots	Back	5mm	Ant 1	-	DSI 3	128	824.2	28.67	29.00	1.079	-	1.000	0.15	0.681	0.735
	GSM850	-	-	-	-	GPRS 3 Tx slots	Back	5mm	Ant 1	-	DSI 3	251	848.8	28.60	29.00	1.096	-	1.000	0	0.706	0.774
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	DSI 3	4233	846.6	24.62	25.00	1.091	-	1.000	0.04	0.424	0.463
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI 3	4233	846.6	24.62	25.00	1.091	-	1.000	0.17	0.661	0.721
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	-	DSI 3	4233	846.6	24.59	25.00	1.099	-	1.000	-0.06	0.353	0.388
75	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	DSI 3	4233	846.6	24.59	25.00	1.099	-	1.000	0.07	0.868	**0.954**
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	DSI 3	4132	826.4	24.33	25.00	1.167	-	1.000	-0.1	0.685	0.799
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	DSI 3	4182	836.4	24.44	25.00	1.138	-	1.000	-0.15	0.709	0.807
	LTE Band 26	15M	QPSK	1	37	-	Front	5mm	Ant 0	-	DSI 3	26865	831.5	22.91	24.00	1.285	-	1.000	-0.03	0.403	0.518
	LTE Band 26	15M	QPSK	1	37	-	Back	5mm	Ant 0	-	DSI 3	26865	831.5	22.91	24.00	1.285	-	1.000	0	0.588	0.756
	LTE Band 5B	10M	QPSK	1	25	-	Back	5mm	Ant 0	-	DSI 3	20575 +20476	841.5 +831.6	23.00	24.00	1.259	-	1.000	0.04	0.584	0.735
	LTE Band 26	15M	QPSK	36	20	-	Front	5mm	Ant 0	-	DSI 3	26865	831.5	22.87	24.00	1.297	-	1.000	-0.07	0.335	0.435
	LTE Band 26	15M	QPSK	36	20	-	Back	5mm	Ant 0	-	DSI 3	26865	831.5	22.87	24.00	1.297	-	1.000	-0.1	0.497	0.645
	LTE Band 26	15M	QPSK	1	37	-	Front	5mm	Ant 1	-	DSI 3	26865	831.5	22.84	24.00	1.306	-	1.000	0.15	0.274	0.358
	LTE Band 26	15M	QPSK	1	37	-	Back	5mm	Ant 1	-	DSI 3	26865	831.5	22.84	24.00	1.306	-	1.000	-0.12	0.595	0.777
	LTE Band 26	15M	QPSK	36	20	-	Front	5mm	Ant 1	-	DSI 3	26865	831.5	22.81	24.00	1.315	-	1.000	-0.11	0.307	0.404
76	LTE Band 26	15M	QPSK	36	20	-	Back	5mm	Ant 1	-	DSI 3	26865	831.5	22.81	24.00	1.315	-	1.000	0.05	0.700	**0.921**
	LTE Band 5B	15M	QPSK	1	25	-	Back	5mm	Ant 1	-	DSI 3	20575 +20476	841.5 +831.6	22.88	24.00	1.294	-	1.000	0.08	0.692	0.896
	LTE Band 26	15M	QPSK	75	0	-	Back	5mm	Ant 1	-	DSI 3	26865	831.5	22.77	24.00	1.327	-	1.000	-0.02	0.667	0.885
	FR1 n26	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	-	DSI 3	166300	831.5	23.21	24.00	1.199	-	1.000	-0.13	0.299	0.359
	FR1 n26	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	-	DSI 3	166300	831.5	23.21	24.00	1.199	-	1.000	-0.06	0.558	0.669
	FR1 n26	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 0	-	DSI 3	166300	831.5	23.19	24.00	1.205	-	1.000	0.19	0.290	0.349
	FR1 n26	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 0	-	DSI 3	166300	831.5	23.19	24.00	1.205	-	1.000	0.19	0.546	0.658
	FR1 n26	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 1	-	DSI 3	166300	831.5	23.17	24.00	1.211	-	1.000	0	0.228	0.276
	FR1 n26	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	-	DSI 3	166300	831.5	23.17	24.00	1.211	-	1.000	-0.05	0.628	0.760
	FR1 n26	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 1	-	DSI 3	166300	831.5	23.14	24.00	1.219	-	1.000	-0.17	0.240	0.293
77	FR1 n26	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 1	-	DSI 3	166300	831.5	23.14	24.00	1.219	-	1.000	0.14	0.645	**0.786**
	1750MHz																				
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	-	DSI 3	1413	1732.6	17.64	18.60	1.247	-	1.000	0.04	0.477	0.595
78	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	DSI 3	1413	1732.6	17.64	18.60	1.247	-	1.000	0.03	0.687	**0.857**
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	DSI 3	1312	1712.4	17.43	18.60	1.309	-	1.000	0	0.649	0.850
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	DSI 3	1513	1752.6	17.57	18.60	1.268	-	1.000	0.16	0.664	0.842
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	18mm	Ant 1	-	DSI 4	1413	1732.6	23.72	25.00	1.343	-	1.000	0.11	0.232	0.312
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	24mm	Ant 1	-	DSI 4	1413	1732.6	23.72	25.00	1.343	-	1.000	-0.09	0.183	0.246
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 2	-	DSI 3	1413	1732.6	21.03	21.50	1.114	-	1.000	-0.12	0.391	0.436
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 2	-	DSI 3	1413	1732.6	21.03	21.50	1.114	-	1.000	0.07	0.563	0.627
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	18mm	Ant 2	-	DSI 4	1413	1732.6	24.43	25.00	1.140	-	1.000	-0.13	0.255	0.291
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	24mm	Ant 2	-	DSI 4	1413	1732.6	24.43	25.00	1.140	-	1.000	-0.07	0.162	0.185
	LTE Band 66	20M	QPSK	1	49	-	Front	5mm	Ant 1	-	DSI 3	132322	1745	17.46	18.40	1.242	-	1.000	-0.11	0.475	0.590
	LTE Band 66	20M	QPSK	1	49	-	Back	5mm	Ant 1	-	DSI 3	132322	1745	17.46	18.40	1.242	-	1.000	-0.08	0.665	0.826
	LTE Band 66	20M	QPSK	1	49	-	Back	5mm	Ant 1	-	DSI 3	132072	1720	17.38	18.40	1.265	-	1.000	-0.1	0.712	0.900
79	LTE Band 66	20M	QPSK	1	49	-	Back	5mm	Ant 1	-	DSI 3	132572	1770	17.41	18.40	1.256	-	1.000	0.08	0.774	**0.972**
	LTE Band 66C	20M	QPSK	1	49	-	Back	5mm	Ant 1	-	DSI 3	132572 +132374	1770 +1750.2	17.38	18.40	1.265	-	1.000	0.05	0.762	0.964
	LTE Band 66	20M	QPSK	1	49	-	Front	18mm	Ant 1	-	DSI 4	132322	1745	22.09	23.00	1.233	-	1.000	-0.15	0.265	0.327
	LTE Band 66	20M	QPSK	1	49	-	Back	24mm	Ant 1	-	DSI 4	132572	1770	21.96	23.00	1.271	-	1.000	0.01	0.226	0.287
	LTE Band 66	20M	QPSK	50	24	-	Front	5mm	Ant 1	-	DSI 3	132322	1745	17.44	18.40	1.247	-	1.000	0.08	0.462	0.576
	LTE Band 66	20M	QPSK	50	24	-	Back	5mm	Ant 1	-	DSI 3	132322	1745	17.44	18.40	1.247	-	1.000	0.12	0.657	0.820
	LTE Band 66	20M	QPSK	50	24	-	Back	5mm	Ant 1	-	DSI 3	132072	1720	17.35	18.40	1.274	-	1.000	-0.05	0.701	0.893
	LTE Band 66	20M	QPSK	50	24	-	Back	5mm	Ant 1	-	DSI 3	132572	1770	17.36	18.40	1.271	-	1.000	0.02	0.756	0.961
	LTE Band 66	20M	QPSK	50	24	-	Front	18mm	Ant 1	-	DSI 4	132322	1745	22.06	23.00	1.242	-	1.000	-0.08	0.204	0.253
	LTE Band 66	20M	QPSK	50	24	-	Back	24mm	Ant 1	-	DSI 4	132572	1770	21.84	23.00	1.306	-	1.000	-0.02	0.196	0.256

	LTE Band 66	20M	QPSK	100	0	-	Front	5mm	Ant 1	-	DSI 3	132322	1745	17.42	18.40	1.253	-	1.000	0.03	0.652	0.817
	LTE Band 66	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	DSI 3	132322	1745	17.42	18.40	1.253	-	1.000	0.12	0.644	0.807
	LTE Band 66	20M	QPSK	1	49	-	Front	5mm	Ant 2	-	DSI 3	132322	1745	21.24	21.90	1.164	-	1.000	-0.17	0.431	0.502
	LTE Band 66	20M	QPSK	1	49	-	Back	5mm	Ant 2	-	DSI 3	132322	1745	21.24	21.90	1.164	-	1.000	0.14	0.585	0.681
	LTE Band 66C	20M	QPSK	1	49	-	Back	5mm	Ant 2	-	DSI 3	132322 +132520	1745 +1764.8	21.16	21.90	1.186	-	1.000	0.06	0.565	0.670
	LTE Band 66	20M	QPSK	1	49	-	Front	18mm	Ant 2	-	DSI 4	132322	1745	23.26	24.00	1.186	-	1.000	-0.17	0.198	0.235
	LTE Band 66	20M	QPSK	1	49	-	Back	24mm	Ant 2	-	DSI 4	132322	1745	23.26	24.00	1.186	-	1.000	0.14	0.154	0.183
	LTE Band 66	20M	QPSK	50	24	-	Front	5mm	Ant 2	-	DSI 3	132322	1745	21.22	21.90	1.169	-	1.000	0.11	0.428	0.501
	LTE Band 66	20M	QPSK	50	24	-	Back	5mm	Ant 2	-	DSI 3	132322	1745	21.22	21.90	1.169	-	1.000	0.01	0.573	0.670
	LTE Band 66	20M	QPSK	50	24	-	Front	18mm	Ant 2	-	DSI 4	132322	1745	23.23	24.00	1.194	-	1.000	0.01	0.143	0.171
	LTE Band 66	20M	QPSK	50	24	-	Back	24mm	Ant 2	-	DSI 4	132322	1745	23.23	24.00	1.194	-	1.000	0.12	0.108	0.129
	FR1 n70	15M	QPSK	1	1	DFT-15	Front	5mm	Ant 1	-	DSI 3	340500	1702.5	18.07	19.00	1.239	-	1.000	-0.14	0.394	0.488
	FR1 n70	15M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	-	DSI 3	340500	1702.5	18.07	19.00	1.239	-	1.000	0.03	0.700	0.867
	FR1 n70	15M	QPSK	1	1	DFT-15	Front	18mm	Ant 1	-	DSI 4	340500	1702.5	23.30	24.00	1.175	-	1.000	-0.02	0.174	0.204
	FR1 n70	15M	QPSK	1	1	DFT-15	Back	24mm	Ant 1	-	DSI 4	340500	1702.5	23.30	24.00	1.175	-	1.000	0.05	0.243	0.286
	FR1 n70	15M	QPSK	36	22	DFT-15	Front	5mm	Ant 1	-	DSI 3	340500	1702.5	18.05	19.00	1.245	-	1.000	-0.14	0.397	0.494
80	FR1 n70	15M	QPSK	36	22	DFT-15	Back	5mm	Ant 1	-	DSI 3	340500	1702.5	18.05	19.00	1.245	-	1.000	0.03	0.711	**0.885**
	FR1 n70	15M	QPSK	36	22	DFT-15	Front	18mm	Ant 1	-	DSI 4	340500	1702.5	23.26	24.00	1.186	-	1.000	-0.02	0.188	0.223
	FR1 n70	15M	QPSK	36	22	DFT-15	Back	24mm	Ant 1	-	DSI 4	340500	1702.5	23.26	24.00	1.186	-	1.000	0.05	0.264	0.313
	FR1 n70	15M	QPSK	75	0	DFT-15	Front	5mm	Ant 1	-	DSI 3	340500	1702.5	18.03	19.00	1.250	-	1.000	0.12	0.388	0.485
	FR1 n70	15M	QPSK	75	0	DFT-15	Back	5mm	Ant 1	-	DSI 3	340500	1702.5	18.03	19.00	1.250	-	1.000	0.06	0.701	0.876
	FR1 n70	15M	QPSK	1	1	DFT-15	Front	5mm	Ant 2	-	DSI 3	340500	1702.5	20.74	22.50	1.500	-	1.000	-0.07	0.290	0.435
	FR1 n70	15M	QPSK	1	1	DFT-15	Back	5mm	Ant 2	-	DSI 3	340500	1702.5	20.74	22.50	1.500	-	1.000	0	0.481	0.721
	FR1 n70	15M	QPSK	1	1	DFT-15	Front	18mm	Ant 2	-	DSI 4	340500	1702.5	22.35	24.00	1.462	-	1.000	-0.07	0.092	0.135
	FR1 n70	15M	QPSK	1	1	DFT-15	Back	24mm	Ant 2	-	DSI 4	340500	1702.5	22.35	24.00	1.462	-	1.000	0	0.063	0.092
	FR1 n70	15M	QPSK	36	22	DFT-15	Front	5mm	Ant 2	-	DSI 3	340500	1702.5	20.72	22.50	1.507	-	1.000	0.03	0.304	0.458
	FR1 n70	15M	QPSK	36	22	DFT-15	Back	5mm	Ant 2	-	DSI 3	340500	1702.5	20.72	22.50	1.507	-	1.000	0.06	0.496	0.747
	FR1 n70	15M	QPSK	36	22	DFT-15	Front	18mm	Ant 2	-	DSI 4	340500	1702.5	22.32	24.00	1.472	-	1.000	-0.07	0.101	0.149
	FR1 n70	15M	QPSK	36	22	DFT-15	Back	24mm	Ant 2	-	DSI 4	340500	1702.5	22.32	24.00	1.472	-	1.000	0	0.064	0.094
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 1	-	DSI 3	349000	1745	16.68	17.50	1.208	-	1.000	0	0.435	0.525
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	-	DSI 3	349000	1745	16.68	17.50	1.208	-	1.000	-0.07	0.783	0.946
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	18mm	Ant 1	-	DSI 4	349000	1745	23.27	24.00	1.183	-	1.000	0	0.298	0.353
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	24mm	Ant 1	-	DSI 4	349000	1745	23.27	24.00	1.183	-	1.000	-0.07	0.248	0.293
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 1	-	DSI 3	349000	1745	16.66	17.50	1.213	-	1.000	-0.1	0.444	0.539
81	FR1 n66	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 1	-	DSI 3	349000	1745	16.66	17.50	1.213	-	1.000	0.04	0.819	**0.994**
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	18mm	Ant 1	-	DSI 4	349000	1745	23.25	24.00	1.189	-	1.000	0	0.315	0.374
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	24mm	Ant 1	-	DSI 4	349000	1745	23.25	24.00	1.189	-	1.000	-0.02	0.249	0.296
	FR1 n66	40M	QPSK	216	0	DFT-15	Front	5mm	Ant 1	-	DSI 3	349000	1745	16.64	17.50	1.219	-	1.000	0.03	0.431	0.525
	FR1 n66	40M	QPSK	216	0	DFT-15	Back	5mm	Ant 1	-	DSI 3	349000	1745	16.64	17.50	1.219	-	1.000	0.05	0.805	0.981
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 2	-	DSI 3	349000	1745	20.67	21.50	1.211	-	1.000	-0.1	0.428	0.518
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 2	-	DSI 3	349000	1745	20.67	21.50	1.211	-	1.000	0.08	0.590	0.714
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	18mm	Ant 2	-	DSI 4	349000	1745	23.19	24.00	1.205	-	1.000	-0.1	0.106	0.128
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	24mm	Ant 2	-	DSI 4	349000	1745	23.19	24.00	1.205	-	1.000	0.08	0.060	0.072
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 2	-	DSI 3	349000	1745	20.66	21.50	1.213	-	1.000	0.17	0.434	0.527
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 2	-	DSI 3	349000	1745	20.66	21.50	1.213	-	1.000	-0.03	0.603	0.732
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	18mm	Ant 2	-	DSI 4	349000	1745	23.17	24.00	1.211	-	1.000	-0.1	0.131	0.159
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	24mm	Ant 2	-	DSI 4	349000	1745	23.17	24.00	1.211	-	1.000	0.08	0.071	0.086
1900MHz																					
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Front	5mm	Ant 1	-	DSI 3	661	1880	20.76	22.50	1.493	-	1.000	0.14	0.319	0.476
82	GSM1900	-	-	-	-	GPRS 3 Tx slots	Back	5mm	Ant 1	-	DSI 3	661	1880	20.76	22.50	1.493	-	1.000	-0.02	0.580	**0.866**
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Back	5mm	Ant 1	-	DSI 3	512	1850.2	20.52	22.50	1.578	-	1.000	0.03	0.530	0.836
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Back	5mm	Ant 1	-	DSI 3	810	1909.8	20.71	22.50	1.510	-	1.000	-0.01	0.552	0.834
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Front	18mm	Ant 1	-	DSI 4	661	1880	24.74	26.50	1.500	-	1.000	0.14	0.098	0.147
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Back	24mm	Ant 1	-	DSI 4	661	1880	24.74	26.50	1.500	-	1.000	-0.02	0.071	0.106
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Front	5mm	Ant 2	-	DSI 3	661	1880	26.10	26.50	1.096	-	1.000	0	0.496	0.544
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Back	5mm	Ant 2	-	DSI 3	661	1880	26.10	26.50	1.096	-	1.000	0	0.641	0.703

	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	-	DSI 3	9400	1880	17.29	18.40	1.291	-	1.000	0.13	0.422	0.545
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	DSI 3	9400	1880	17.29	18.40	1.291	-	1.000	-0.15	0.716	0.925
83	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	DSI 3	9262	1852.4	17.20	18.40	1.318	-	1.000	0.06	0.704	**0.928**
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	DSI 3	9538	1907.6	17.10	18.40	1.349	-	1.000	-0.12	0.684	0.923
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	18mm	Ant 1	-	DSI 4	9400	1880	23.94	25.00	1.276	-	1.000	0.13	0.199	0.254
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	24mm	Ant 1	-	DSI 4	9262	1852.4	23.59	25.00	1.384	-	1.000	-0.15	0.164	0.227
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 2	-	DSI 3	9400	1880	20.80	21.20	1.096	-	1.000	-0.11	0.426	0.467
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 2	-	DSI 3	9400	1880	20.80	21.20	1.096	-	1.000	0.17	0.626	0.686
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	18mm	Ant 2	-	DSI 4	9400	1880	24.52	25.00	1.117	-	1.000	-0.11	0.258	0.288
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	24mm	Ant 2	-	DSI 4	9400	1880	24.52	25.00	1.117	-	1.000	0.17	0.146	0.163
	LTE Band 25	20M	QPSK	1	49	-	Front	5mm	Ant 1	-	DSI 3	26340	1880	17.72	18.70	1.253	-	1.000	-0.08	0.447	0.560
	LTE Band 25	20M	QPSK	1	49	-	Back	5mm	Ant 1	-	DSI 3	26340	1880	17.72	18.70	1.253	-	1.000	0.12	0.790	0.990
	LTE Band 25	20M	QPSK	1	49	-	Back	5mm	Ant 1	-	DSI 3	26140	1860	17.53	18.70	1.309	-	1.000	0.15	0.739	0.967
84	LTE Band 25	20M	QPSK	1	49	-	Back	5mm	Ant 1	-	DSI 3	26590	1905	17.62	18.70	1.282	-	1.000	0.05	0.773	**0.991**
	LTE Band 25	20M	QPSK	1	49	-	Front	18mm	Ant 1	-	DSI 4	26340	1880	22.06	23.00	1.242	-	1.000	-0.08	0.217	0.269
	LTE Band 25	20M	QPSK	1	49	-	Back	24mm	Ant 1	-	DSI 4	26590	1905	21.79	23.00	1.321	-	1.000	0.12	0.173	0.229
	LTE Band 25	20M	QPSK	50	24	-	Front	5mm	Ant 1	-	DSI 3	26340	1880	17.70	18.70	1.259	-	1.000	0.13	0.431	0.543
	LTE Band 25	20M	QPSK	50	24	-	Back	5mm	Ant 1	-	DSI 3	26340	1880	17.70	18.70	1.259	-	1.000	-0.06	0.785	0.988
	LTE Band 25	20M	QPSK	50	24	-	Back	5mm	Ant 1	-	DSI 3	26140	1860	17.51	18.70	1.315	-	1.000	-0.05	0.725	0.954
	LTE Band 25	20M	QPSK	50	24	-	Back	5mm	Ant 1	-	DSI 3	26590	1905	17.60	18.70	1.288	-	1.000	-0.01	0.768	0.989
	LTE Band 25	20M	QPSK	50	24	-	Front	18mm	Ant 1	-	DSI 4	26340	1880	22.04	23.00	1.247	-	1.000	-0.08	0.169	0.211
	LTE Band 25	20M	QPSK	50	24	-	Back	24mm	Ant 1	-	DSI 4	26590	1905	21.76	23.00	1.330	-	1.000	0.12	0.169	0.225
	LTE Band 25	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	DSI 3	26340	1880	17.68	18.70	1.265	-	1.000	-0.04	0.776	0.981
	LTE Band 25	20M	QPSK	1	49	-	Front	5mm	Ant 2	-	DSI 3	26340	1880	20.98	21.90	1.236	-	1.000	0.06	0.399	0.493
	LTE Band 25	20M	QPSK	1	49	-	Back	5mm	Ant 2	-	DSI 3	26340	1880	20.98	21.90	1.236	-	1.000	0.05	0.646	0.798
	LTE Band 25	20M	QPSK	1	49	-	Front	18mm	Ant 2	-	DSI 4	26340	1880	23.19	24.00	1.205	-	1.000	0.06	0.185	0.223
	LTE Band 25	20M	QPSK	1	49	-	Back	24mm	Ant 2	-	DSI 4	26340	1880	23.19	24.00	1.205	-	1.000	0.05	0.133	0.160
	LTE Band 25	20M	QPSK	50	24	-	Front	5mm	Ant 2	-	DSI 3	26340	1880	20.96	21.90	1.242	-	1.000	0.06	0.405	0.503
	LTE Band 25	20M	QPSK	50	24	-	Back	5mm	Ant 2	-	DSI 3	26340	1880	20.96	21.90	1.242	-	1.000	0	0.628	0.780
	LTE Band 25	20M	QPSK	50	24	-	Front	18mm	Ant 2	-	DSI 4	26340	1880	23.16	24.00	1.213	-	1.000	0.06	0.133	0.161
	LTE Band 25	20M	QPSK	50	24	-	Back	24mm	Ant 2	-	DSI 4	26340	1880	23.16	24.00	1.213	-	1.000	0.05	0.105	0.127
	FR1 n25	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 1	-	DSI 3	376500	1882.5	16.77	17.50	1.183	-	1.000	0.12	0.427	0.505
85	FR1 n25	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	-	DSI 3	376500	1882.5	16.77	17.50	1.183	-	1.000	0.05	0.775	**0.917**
	FR1 n25	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	-	DSI 3	372000	1860	16.63	17.50	1.222	-	1.000	0.09	0.653	0.798
	FR1 n25	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	-	DSI 3	381000	1905	16.65	17.50	1.216	-	1.000	-0.13	0.726	0.883
	FR1 n25	20M	QPSK	1	1	DFT-15	Front	18mm	Ant 1	-	DSI 4	376500	1882.5	23.52	24.00	1.117	-	1.000	0.12	0.248	0.277
	FR1 n25	20M	QPSK	1	1	DFT-15	Back	24mm	Ant 1	-	DSI 4	376500	1882.5	23.52	24.00	1.117	-	1.000	0.05	0.235	0.262
	FR1 n25	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 1	-	DSI 3	376500	1882.5	16.75	17.50	1.189	-	1.000	-0.19	0.462	0.549
	FR1 n25	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 1	-	DSI 3	376500	1882.5	16.75	17.50	1.189	-	1.000	0.07	0.763	0.907
	FR1 n25	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 1	-	DSI 3	372000	1860	16.61	17.50	1.227	-	1.000	0.04	0.661	0.811
	FR1 n25	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 1	-	DSI 3	381000	1905	16.62	17.50	1.225	-	1.000	0.13	0.713	0.873
	FR1 n25	20M	QPSK	50	28	DFT-15	Front	18mm	Ant 1	-	DSI 4	376500	1882.5	23.50	24.00	1.122	-	1.000	0.1	0.245	0.275
	FR1 n25	20M	QPSK	50	28	DFT-15	Back	24mm	Ant 1	-	DSI 4	376500	1882.5	23.50	24.00	1.122	-	1.000	0.07	0.233	0.261
	FR1 n25	20M	QPSK	100	0	DFT-15	Back	5mm	Ant 1	-	DSI 3	376500	1882.5	16.74	17.50	1.191	-	1.000	0.03	0.759	0.904
	FR1 n25	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 2	-	DSI 3	376500	1882.5	21.36	22.00	1.159	-	1.000	-0.04	0.505	0.585
	FR1 n25	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 2	-	DSI 3	376500	1882.5	21.36	22.00	1.159	-	1.000	0.14	0.751	0.870
	FR1 n25	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 2	-	DSI 3	372000	1860	21.20	22.00	1.202	-	1.000	0.04	0.679	0.816
	FR1 n25	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 2	-	DSI 3	381000	1905	21.31	22.00	1.172	-	1.000	0.07	0.732	0.858
	FR1 n25	20M	QPSK	1	1	DFT-15	Front	18mm	Ant 2	-	DSI 4	376500	1882.5	23.48	24.00	1.127	-	1.000	-0.04	0.191	0.215
	FR1 n25	20M	QPSK	1	1	DFT-15	Back	24mm	Ant 2	-	DSI 4	376500	1882.5	23.48	24.00	1.127	-	1.000	0.14	0.116	0.131
	FR1 n25	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 2	-	DSI 3	376500	1882.5	21.34	22.00	1.164	-	1.000	0.11	0.499	0.581
	FR1 n25	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 2	-	DSI 3	376500	1882.5	21.34	22.00	1.164	-	1.000	-0.07	0.742	0.864
	FR1 n25	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 2	-	DSI 3	372000	1860	21.18	22.00	1.208	-	1.000	0.04	0.668	0.807
	FR1 n25	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 2	-	DSI 3	381000	1905	21.29	22.00	1.178	-	1.000	0.11	0.733	0.863
	FR1 n25	20M	QPSK	50	28	DFT-15	Front	18mm	Ant 2	-	DSI 4	376500	1882.5	23.45	24.00	1.135	-	1.000	-0.04	0.199	0.226
	FR1 n25	20M	QPSK	50	28	DFT-15	Back	24mm	Ant 2	-	DSI 4	376500	1882.5	23.45	24.00	1.135	-	1.000	0.14	0.114	0.129

	FR1 n25	20M	QPSK	100	0	DFT-15	Back	5mm	Ant 2	-	DSI 3	376500	1882.5	21.32	22.00	1.169	-	1.000	0.04	0.733	0.857
2300MHz																					
	LTE Band 30	10M	QPSK	1	25	-	Front	5mm	Ant 1	-	DSI 3	27710	2310	17.84	18.90	1.276	-	1.000	0.03	0.248	0.317
	LTE Band 30	10M	QPSK	1	25	-	Back	5mm	Ant 1	-	DSI 3	27710	2310	17.84	18.90	1.276	-	1.000	0.07	0.508	0.648
	LTE Band 30	10M	QPSK	1	25	-	Front	18mm	Ant 1	-	DSI 4	27710	2310	23.18	24.00	1.208	-	1.000	0.03	0.138	0.167
	LTE Band 30	10M	QPSK	1	25	-	Back	24mm	Ant 1	-	DSI 4	27710	2310	23.18	24.00	1.208	-	1.000	0.07	0.102	0.123
	LTE Band 30	10M	QPSK	25	12	-	Front	5mm	Ant 1	-	DSI 3	27710	2310	17.82	18.90	1.282	-	1.000	0.13	0.259	0.332
	LTE Band 30	10M	QPSK	25	12	-	Back	5mm	Ant 1	-	DSI 3	27710	2310	17.82	18.90	1.282	-	1.000	0.16	0.516	0.662
	LTE Band 30	10M	QPSK	25	12	-	Front	18mm	Ant 1	-	DSI 4	27710	2310	22.95	24.00	1.274	-	1.000	0.03	0.138	0.176
	LTE Band 30	10M	QPSK	25	12	-	Back	24mm	Ant 1	-	DSI 4	27710	2310	22.95	24.00	1.274	-	1.000	0.07	0.099	0.126
	LTE Band 30	10M	QPSK	1	25	-	Front	5mm	Ant 2	-	DSI 3	27710	2310	21.51	23.00	1.409	-	1.000	-0.05	0.535	0.754
86	LTE Band 30	10M	QPSK	1	25	-	Back	5mm	Ant 2	-	DSI 3	27710	2310	21.51	23.00	1.409	-	1.000	-0.03	0.675	**0.951**
	LTE Band 30	10M	QPSK	25	12	-	Front	5mm	Ant 2	-	DSI 3	27710	2310	21.48	23.00	1.419	-	1.000	0.04	0.523	0.742
	LTE Band 30	10M	QPSK	25	12	-	Back	5mm	Ant 2	-	DSI 3	27710	2310	21.48	23.00	1.419	-	1.000	-0.17	0.649	0.921
	LTE Band 30	10M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI 3	27710	2310	21.46	23.00	1.426	-	1.000	0.06	0.644	0.918
	FR1 n30	10M	QPSK	1	1	DFT-15	Front	5mm	Ant 1	-	DSI 3	462000	2310	16.23	17.50	1.340	-	1.000	-0.03	0.323	0.433
87	FR1 n30	10M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	-	DSI 3	462000	2310	16.23	17.50	1.340	-	1.000	-0.12	0.674	**0.903**
	FR1 n30	10M	QPSK	1	1	DFT-15	Front	18mm	Ant 1	-	DSI 4	462000	2310	22.89	24.00	1.291	-	1.000	-0.03	0.291	0.376
	FR1 n30	10M	QPSK	1	1	DFT-15	Back	24mm	Ant 1	-	DSI 4	462000	2310	22.89	24.00	1.291	-	1.000	-0.12	0.204	0.263
	FR1 n30	10M	QPSK	25	14	DFT-15	Front	5mm	Ant 1	-	DSI 3	462000	2310	16.21	17.50	1.346	-	1.000	-0.08	0.316	0.425
	FR1 n30	10M	QPSK	25	14	DFT-15	Back	5mm	Ant 1	-	DSI 3	462000	2310	16.21	17.50	1.346	-	1.000	0.11	0.482	0.649
	FR1 n30	10M	QPSK	25	14	DFT-15	Front	18mm	Ant 1	-	DSI 4	462000	2310	22.85	24.00	1.303	-	1.000	-0.03	0.289	0.377
	FR1 n30	10M	QPSK	25	14	DFT-15	Back	24mm	Ant 1	-	DSI 4	462000	2310	22.85	24.00	1.303	-	1.000	-0.12	0.206	0.268
	FR1 n30	10M	QPSK	50	0	DFT-15	Back	5mm	Ant 1	-	DSI 3	462000	2310	16.19	17.50	1.352	-	1.000	0.05	0.476	0.644
	FR1 n30	10M	QPSK	1	1	DFT-15	Front	5mm	Ant 2	-	DSI 3	462000	2310	22.00	23.00	1.259	-	1.000	0.16	0.536	0.675
	FR1 n30	10M	QPSK	1	1	DFT-15	Back	5mm	Ant 2	-	DSI 3	462000	2310	22.00	23.00	1.259	-	1.000	0.13	0.652	0.821
	FR1 n30	10M	QPSK	25	14	DFT-15	Front	5mm	Ant 2	-	DSI 3	462000	2310	21.97	23.00	1.268	-	1.000	-0.07	0.533	0.676
	FR1 n30	10M	QPSK	25	14	DFT-15	Back	5mm	Ant 2	-	DSI 3	462000	2310	21.97	23.00	1.268	-	1.000	0.05	0.674	0.854
	FR1 n30	10M	QPSK	50	0	DFT-15	Back	5mm	Ant 2	-	DSI 3	462000	2310	20.93	22.00	1.279	-	1.000	-0.13	0.624	0.798
2600MHz																					
	LTE Band 7	20M	QPSK	1	49	-	Front	5mm	Ant 1	-	DSI 3	21100	2535	15.93	17.00	1.279	-	1.000	0	0.242	0.310
	LTE Band 7	20M	QPSK	1	49	-	Back	5mm	Ant 1	-	DSI 3	21100	2535	15.93	17.00	1.279	-	1.000	0.1	0.479	0.613
	LTE Band 7C	20M	QPSK	1	49	-	Back	5mm	Ant 1	-	DSI 3	21100 +21298	2535 +2554.8	15.92	17.00	1.282	-	1.000	0.12	0.451	0.578
	LTE Band 7	20M	QPSK	1	49	-	Front	18mm	Ant 1	-	DSI 4	21100	2535	22.09	23.00	1.233	-	1.000	0	0.209	0.258
	LTE Band 7	20M	QPSK	1	49	-	Back	24mm	Ant 1	-	DSI 4	21100	2535	22.09	23.00	1.233	-	1.000	0.1	0.153	0.189
	LTE Band 7	20M	QPSK	50	24	-	Front	5mm	Ant 1	-	DSI 3	21100	2535	15.92	17.00	1.282	-	1.000	-0.17	0.244	0.313
	LTE Band 7	20M	QPSK	50	24	-	Back	5mm	Ant 1	-	DSI 3	21100	2535	15.92	17.00	1.282	-	1.000	-0.12	0.460	0.590
	LTE Band 7	20M	QPSK	50	24	-	Front	18mm	Ant 1	-	DSI 4	21100	2535	22.06	23.00	1.242	-	1.000	0	0.163	0.202
	LTE Band 7	20M	QPSK	50	24	-	Back	24mm	Ant 1	-	DSI 4	21100	2535	22.06	23.00	1.242	-	1.000	0.1	0.135	0.168
	LTE Band 7	20M	QPSK	1	49	-	Front	5mm	Ant 2	-	DSI 3	21100	2535	22.25	22.80	1.135	-	1.000	-0.14	0.850	0.965
	LTE Band 7	20M	QPSK	1	49	-	Front	5mm	Ant 2	-	DSI 3	20850	2510	22.08	22.80	1.180	-	1.000	0.11	0.832	0.982
	LTE Band 7	20M	QPSK	1	49	-	Front	5mm	Ant 2	-	DSI 3	21350	2560	22.09	22.80	1.178	-	1.000	0.04	0.798	0.940
88	LTE Band 7	20M	QPSK	1	49	-	Back	5mm	Ant 2	-	DSI 3	21100	2535	22.25	22.80	1.135	-	1.000	0.17	1.090	**1.237**
	LTE Band 7C	20M	QPSK	1	49	-	Back	5mm	Ant 2	-	DSI 3	21100 +21298	2535 +2554.8	22.23	22.80	1.140	-	1.000	0.12	1.020	1.163
	LTE Band 7	20M	QPSK	1	49	-	Back	5mm	Ant 2	-	DSI 3	20850	2510	22.08	22.80	1.180	-	1.000	0.03	0.997	1.177
	LTE Band 7	20M	QPSK	1	49	-	Back	5mm	Ant 2	-	DSI 3	21350	2560	22.09	22.80	1.178	-	1.000	0.13	0.966	1.138
	LTE Band 7	20M	QPSK	1	49	-	Back	5mm	Ant 2	Headset	DSI 3	21100	2535	22.25	22.80	1.135	-	1.000	-0.14	1.040	1.180
	LTE Band 7	20M	QPSK	1	49	-	Front	18mm	Ant 2	-	DSI 4	20850	2510	23.15	24.00	1.216	-	1.000	-0.14	0.220	0.268
	LTE Band 7	20M	QPSK	1	49	-	Back	24mm	Ant 2	-	DSI 4	21100	2535	23.35	24.00	1.161	-	1.000	0.17	0.156	0.181
	LTE Band 7	20M	QPSK	50	24	-	Front	5mm	Ant 2	-	DSI 3	21100	2535	22.23	22.80	1.140	-	1.000	-0.01	0.840	0.958
	LTE Band 7	20M	QPSK	50	24	-	Front	5mm	Ant 2	-	DSI 3	20850	2510	22.05	22.80	1.189	-	1.000	0.05	0.828	0.984
	LTE Band 7	20M	QPSK	50	24	-	Front	5mm	Ant 2	-	DSI 3	21350	2560	22.07	22.80	1.183	-	1.000	0.08	0.792	0.937
	LTE Band 7	20M	QPSK	50	24	-	Back	5mm	Ant 2	-	DSI 3	21100	2535	22.23	22.80	1.140	-	1.000	0.18	1.040	1.186
	LTE Band 7	20M	QPSK	50	24	-	Back	5mm	Ant 2	-	DSI 3	20850	2510	22.05	22.80	1.189	-	1.000	0.11	0.975	1.159
	LTE Band 7	20M	QPSK	50	24	-	Back	5mm	Ant 2	-	DSI 3	21350	2560	22.07	22.80	1.183	-	1.000	0.12	0.956	1.131
	LTE Band 7	20M	QPSK	50	24	-	Front	18mm	Ant 2	-	DSI 4	20850	2510	23.12	24.00	1.225	-	1.000	-0.14	0.172	0.211

	LTE Band 7	20M	QPSK	50	24	-	Back	24mm	Ant 2	-	DSI 4	21100	2535	23.34	24.00	1.164	-	1.000	0.17	0.121	0.141
	LTE Band 7	20M	QPSK	100	0	-	Front	5mm	Ant 2	-	DSI 1	21100	2535	22.21	22.80	1.146	-	1.000	0.15	0.827	0.947
	LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 2	-	DSI 1	21100	2535	22.21	22.80	1.146	-	1.000	-0.04	1.030	1.180
	LTE Band 41	20M	QPSK	1	49	-	Front	5mm	Ant 1	-	DSI 3	40620	2593	16.92	17.80	1.225	62.9	1.006	-0.17	0.205	0.253
	LTE Band 41	20M	QPSK	1	49	-	Back	5mm	Ant 1	-	DSI 3	40620	2593	16.92	17.80	1.225	62.9	1.006	0.07	0.382	0.471
	LTE Band 41C	20M	QPSK	1	49	-	Back	5mm	Ant 1	-	DSI 3	40620 +40818	2593 +2612.8	16.89	17.80	1.233	62.9	1.006	0.03	0.363	0.450
	LTE Band 41_PC2	20M	QPSK	1	49	-	Back	5mm	Ant 1	-	DSI 3	40620	2593	18.62	19.40	1.197	42.9	1.009	-0.07	0.374	0.452
	LTE Band 41	20M	QPSK	1	49	-	Front	18mm	Ant 1	-	DSI 4	40620	2593	21.86	23.00	1.300	62.9	1.006	-0.17	0.178	0.233
	LTE Band 41	20M	QPSK	1	49	-	Back	24mm	Ant 1	-	DSI 4	40620	2593	21.86	23.00	1.300	62.9	1.006	0.07	0.128	0.167
	LTE Band 41	20M	QPSK	50	24	-	Front	5mm	Ant 1	-	DSI 3	40620	2593	16.90	17.80	1.230	62.9	1.006	-0.17	0.202	0.250
	LTE Band 41	20M	QPSK	50	24	-	Back	5mm	Ant 1	-	DSI 3	40620	2593	16.90	17.80	1.230	62.9	1.006	0.07	0.374	0.463
	LTE Band 41	20M	QPSK	50	24	-	Front	18mm	Ant 1	-	DSI 4	40620	2593	21.84	23.00	1.306	62.9	1.006	-0.17	0.131	0.172
	LTE Band 41	20M	QPSK	50	24	-	Back	24mm	Ant 1	-	DSI 4	40620	2593	21.84	23.00	1.306	62.9	1.006	0.07	0.119	0.156
	LTE Band 41	20M	QPSK	1	49	-	Front	5mm	Ant 2	-	DSI 3	40620	2593	23.01	24.00	1.256	62.9	1.006	-0.02	0.789	0.997
	LTE Band 41	20M	QPSK	1	49	-	Front	5mm	Ant 2	-	DSI 3	39750	2506	22.80	24.00	1.318	62.9	1.006	-0.12	0.806	1.069
	LTE Band 41	20M	QPSK	1	49	-	Front	5mm	Ant 2	-	DSI 3	40185	2549.5	22.84	24.00	1.306	62.9	1.006	0.16	0.834	1.096
	LTE Band 41	20M	QPSK	1	49	-	Front	5mm	Ant 2	-	DSI 3	41055	2636.5	22.64	24.00	1.368	62.9	1.006	0.14	0.747	1.028
	LTE Band 41	20M	QPSK	1	49	-	Front	5mm	Ant 2	-	DSI 3	41490	2680	22.74	24.00	1.337	62.9	1.006	0.07	0.759	1.021
89	LTE Band 41	20M	QPSK	1	49	-	Back	5mm	Ant 2	-	DSI 3	40620	2593	23.01	24.00	1.256	62.9	1.006	0.06	0.989	**1.250**
	LTE Band 41C	20M	QPSK	1	49	-	Back	5mm	Ant 2	-	DSI 3	40620 +40818	2593 +2612.8	23.00	24.00	1.259	62.9	1.006	0.02	0.954	1.208
	LTE Band 41	20M	QPSK	1	49	-	Back	5mm	Ant 2	-	DSI 3	39750	2506	22.80	24.00	1.318	62.9	1.006	0.01	0.795	1.054
	LTE Band 41	20M	QPSK	1	49	-	Back	5mm	Ant 2	-	DSI 3	40185	2549.5	22.84	24.00	1.306	62.9	1.006	-0.11	0.837	1.100
	LTE Band 41	20M	QPSK	1	49	-	Back	5mm	Ant 2	-	DSI 3	41055	2636.5	22.64	24.00	1.368	62.9	1.006	-0.15	0.811	1.116
	LTE Band 41	20M	QPSK	1	49	-	Back	5mm	Ant 2	-	DSI 3	41490	2680	22.74	24.00	1.337	62.9	1.006	0.14	0.823	1.107
	LTE Band 41	20M	QPSK	1	49	-	Back	5mm	Ant 2	Headset	DSI 3	40620	2593	23.01	24.00	1.256	62.9	1.006	-0.12	0.899	1.136
	LTE Band 41_PC2	20M	QPSK	1	49	-	Back	5mm	Ant 2	-	DSI 3	40620	2593	24.61	25.50	1.227	42.9	1.009	0.05	0.982	1.216
	LTE Band 41	20M	QPSK	1	49	-	Front	18mm	Ant 2	-	DSI 4	40185	2549.5	22.84	24.00	1.306	62.9	1.006	-0.02	0.185	0.243
	LTE Band 41	20M	QPSK	1	49	-	Back	24mm	Ant 2	-	DSI 4	40620	2593	23.01	24.00	1.256	62.9	1.006	0.06	0.101	0.128
	LTE Band 41	20M	QPSK	50	24	-	Front	5mm	Ant 2	-	DSI 3	40620	2593	22.99	24.00	1.262	62.9	1.006	-0.02	0.772	0.980
	LTE Band 41	20M	QPSK	50	24	-	Front	5mm	Ant 2	-	DSI 3	39750	2506	22.78	24.00	1.324	62.9	1.006	-0.11	0.790	1.053
	LTE Band 41	20M	QPSK	50	24	-	Front	5mm	Ant 2	-	DSI 3	40185	2549.5	22.81	24.00	1.315	62.9	1.006	0.12	0.823	1.089
	LTE Band 41	20M	QPSK	50	24	-	Front	5mm	Ant 2	-	DSI 3	41055	2636.5	22.62	24.00	1.374	62.9	1.006	-0.06	0.776	1.073
	LTE Band 41	20M	QPSK	50	24	-	Front	5mm	Ant 2	-	DSI 3	41490	2680	22.71	24.00	1.346	62.9	1.006	0.16	0.784	1.061
	LTE Band 41	20M	QPSK	50	24	-	Back	5mm	Ant 2	-	DSI 3	40620	2593	22.99	24.00	1.262	62.9	1.006	0.06	0.954	1.211
	LTE Band 41	20M	QPSK	50	24	-	Back	5mm	Ant 2	-	DSI 3	39750	2506	22.78	24.00	1.324	62.9	1.006	0.01	0.780	1.039
	LTE Band 41	20M	QPSK	50	24	-	Back	5mm	Ant 2	-	DSI 3	40185	2549.5	22.81	24.00	1.315	62.9	1.006	-0.11	0.828	1.096
	LTE Band 41	20M	QPSK	50	24	-	Back	5mm	Ant 2	-	DSI 3	41055	2636.5	22.62	24.00	1.374	62.9	1.006	-0.15	0.791	1.093
	LTE Band 41	20M	QPSK	50	24	-	Back	5mm	Ant 2	-	DSI 3	41490	2680	22.71	24.00	1.346	62.9	1.006	0.14	0.814	1.102
	LTE Band 41	20M	QPSK	50	24	-	Back	5mm	Ant 2	Headset	DSI 3	40620	2593	22.99	24.00	1.262	62.9	1.006	-0.12	0.889	1.128
	LTE Band 41	20M	QPSK	50	24	-	Front	18mm	Ant 2	-	DSI 4	40185	2549.5	22.81	24.00	1.315	62.9	1.006	-0.02	0.129	0.171
	LTE Band 41	20M	QPSK	50	24	-	Back	24mm	Ant 2	-	DSI 4	40620	2593	22.99	24.00	1.262	62.9	1.006	0.06	0.097	0.123
	LTE Band 41	20M	QPSK	100	0	-	Front	5mm	Ant 2	-	DSI 3	40620	2593	22.95	24.00	1.274	62.9	1.006	-0.06	0.782	1.002
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 2	-	DSI 3	40620	2593	22.95	24.00	1.274	62.9	1.006	0.04	0.933	1.195
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 1	-	DSI 3	507000	2535	14.31	15.50	1.315	-	1.000	-0.03	0.258	0.339
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	-	DSI 3	507000	2535	14.31	15.50	1.315	-	1.000	0.02	0.457	0.601
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	18mm	Ant 1	-	DSI 4	507000	2535	23.15	24.00	1.216	-	1.000	-0.03	0.267	0.325
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	24mm	Ant 1	-	DSI 4	507000	2535	23.15	24.00	1.216	-	1.000	0.02	0.204	0.248
	FR1 n7	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 1	-	DSI 3	507000	2535	14.29	15.50	1.321	-	1.000	0.06	0.259	0.342
90	FR1 n7	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 1	-	DSI 3	507000	2535	14.29	15.50	1.321	-	1.000	0.02	0.465	**0.614**
	FR1 n7	40M	QPSK	108	54	DFT-15	Front	18mm	Ant 1	-	DSI 4	507000	2535	23.12	24.00	1.225	-	1.000	-0.03	0.276	0.338
	FR1 n7	40M	QPSK	108	54	DFT-15	Back	24mm	Ant 1	-	DSI 4	507000	2535	23.12	24.00	1.225	-	1.000	0.02	0.212	0.260
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 0	-	DSI 3	518598	2592.99	15.41	16.50	1.285	-	1.000	-0.17	0.183	0.235
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 0	-	DSI 3	518598	2592.99	15.41	16.50	1.285	-	1.000	0.19	0.318	0.409
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	18mm	Ant 0	-	DSI 4	518598	2592.99	22.62	24.00	1.374	-	1.000	-0.17	0.119	0.164
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	24mm	Ant 0	-	DSI 4	518598	2592.99	22.62	24.00	1.374	-	1.000	0.19	0.102	0.140

	FR1 n41	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 0	-	DSI 3	518598	2592.99	15.39	16.50	1.291	-	1.000	-0.19	0.197	0.254
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 0	-	DSI 3	518598	2592.99	15.39	16.50	1.291	-	1.000	-0.11	0.327	0.422
	FR1 n41_PC2	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 0	-	DSI 3	518598	2592.99	18.19	19.50	1.352	50	1.000	-0.11	0.302	0.408
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	18mm	Ant 0	-	DSI 4	518598	2592.99	22.60	24.00	1.380	-	1.000	-0.17	0.105	0.145
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	24mm	Ant 0	-	DSI 4	518598	2592.99	22.60	24.00	1.380	-	1.000	0.19	0.098	0.135
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 1	-	DSI 3	518598	2592.99	14.12	15.50	1.374	-	1.000	0.08	0.231	0.317
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 1	-	DSI 3	518598	2592.99	14.12	15.50	1.374	-	1.000	0.09	0.406	0.558
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	18mm	Ant 1	-	DSI 4	518598	2592.99	22.99	24.00	1.262	-	1.000	0.08	0.256	0.323
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	24mm	Ant 1	-	DSI 4	518598	2592.99	22.99	24.00	1.262	-	1.000	0.09	0.195	0.246
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 1	-	DSI 3	518598	2592.99	14.10	15.50	1.380	-	1.000	0.11	0.247	0.341
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 1	-	DSI 3	518598	2592.99	14.10	15.50	1.380	-	1.000	-0.1	0.417	0.576
	FR1 n41_PC2	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 1	-	DSI 3	518598	2592.99	17.21	18.50	1.346	50	1.000	-0.1	0.393	0.529
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	18mm	Ant 1	-	DSI 4	518598	2592.99	22.96	24.00	1.271	-	1.000	0.08	0.259	0.329
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	24mm	Ant 1	-	DSI 4	518598	2592.99	22.96	24.00	1.271	-	1.000	0.09	0.202	0.257
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 2	-	DSI 3	518598	2592.99	21.36	22.50	1.300	-	1.000	-0.17	0.886	1.152
91	FR1 n41	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 2	-	DSI 3	518598	2592.99	21.36	22.50	1.300	-	1.000	-0.12	0.951	**1.236**
	FR1 n41_PC2	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 2	-	DSI 3	518598	2592.99	24.31	25.50	1.315	50	1.000	-0.12	0.934	1.228
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	18mm	Ant 2	-	DSI 4	518598	2592.99	22.88	24.00	1.294	-	1.000	-0.17	0.210	0.272
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	24mm	Ant 2	-	DSI 4	518598	2592.99	22.88	24.00	1.294	-	1.000	-0.12	0.100	0.129
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 2	-	DSI 3	518598	2592.99	21.34	22.50	1.306	-	1.000	-0.07	0.852	1.113
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 2	-	DSI 3	518598	2592.99	21.34	22.50	1.306	-	1.000	-0.14	0.920	1.202
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	18mm	Ant 2	-	DSI 4	518598	2592.99	22.86	24.00	1.300	-	1.000	-0.15	0.204	0.265
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	24mm	Ant 2	-	DSI 4	518598	2592.99	22.86	24.00	1.300	-	1.000	-0.13	0.095	0.124
	FR1 n41	100M	QPSK	270	0	DFT-30	Front	5mm	Ant 2	-	DSI 3	518598	2592.99	21.32	22.50	1.312	-	1.000	0.13	0.845	1.109
	FR1 n41	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 2	-	DSI 3	518598	2592.99	21.32	22.50	1.312	-	1.000	-0.1	0.924	1.212
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 4	-	DSI 3	518598	2592.99	16.71	17.50	1.199	-	1.000	-0.08	0.177	0.212
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 4	-	DSI 3	518598	2592.99	16.71	17.50	1.199	-	1.000	-0.19	0.365	0.438
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	18mm	Ant 4	-	DSI 4	518598	2592.99	20.39	21.00	1.151	-	1.000	-0.08	0.080	0.092
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	24mm	Ant 4	-	DSI 4	518598	2592.99	20.39	21.00	1.151	-	1.000	-0.19	0.073	0.084
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 4	-	DSI 3	518598	2592.99	16.70	17.50	1.202	-	1.000	-0.12	0.176	0.212
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 4	-	DSI 3	518598	2592.99	16.70	17.50	1.202	-	1.000	-0.12	0.385	0.463
	FR1 n41_PC2	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 4	-	DSI 3	518598	2592.99	19.82	20.50	1.169	50	1.000	-0.12	0.421	0.492
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	18mm	Ant 4	-	DSI 4	518598	2592.99	20.36	21.00	1.159	-	1.000	-0.08	0.085	0.098
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	24mm	Ant 4	-	DSI 4	518598	2592.99	20.36	21.00	1.159	-	1.000	-0.19	0.079	0.092
3500/3700/3900MHz																					
	LTE Band 48	20M	QPSK	1	49	-	Front	5mm	Ant 3	-	DSI 3	55340	3560	18.93	19.40	1.114	62.9	1.006	-0.04	0.315	0.353
	LTE Band 48	20M	QPSK	1	49	-	Back	5mm	Ant 3	-	DSI 3	55340	3560	18.93	19.40	1.114	62.9	1.006	0.01	0.750	0.841
	LTE Band 48C	20M	QPSK	1	99	-	Back	5mm	Ant 3	-	DSI 3	55340 +55538	3560 +3579.8	18.52	19.40	1.225	62.9	1.006	-0.13	0.679	0.837
	LTE Band 48	20M	QPSK	1	49	-	Back	5mm	Ant 3	-	DSI 3	55830	3609	18.87	19.40	1.130	62.9	1.006	-0.16	0.541	0.615
	LTE Band 48	20M	QPSK	1	49	-	Back	5mm	Ant 3	-	DSI 3	56150	3641	18.91	19.40	1.119	62.9	1.006	0.17	0.540	0.608
	LTE Band 48	20M	QPSK	1	49	-	Back	5mm	Ant 3	-	DSI 3	56640	3690	18.89	19.40	1.125	62.9	1.006	0.03	0.571	0.646
	LTE Band 48	20M	QPSK	1	49	-	Back	5mm	Ant 3	Headset	DSI 3	55340	3560	18.93	19.40	1.114	62.9	1.006	-0.19	0.660	0.740
	LTE Band 48	20M	QPSK	1	49	-	Front	18mm	Ant 3	-	DSI 4	55340	3560	20.55	21.00	1.109	62.9	1.006	0.01	0.224	0.250
	LTE Band 48	20M	QPSK	1	49	-	Back	24mm	Ant 3	-	DSI 4	55340	3560	20.55	21.00	1.109	62.9	1.006	0.01	0.247	0.276
	LTE Band 48	20M	QPSK	50	24	-	Front	5mm	Ant 3	-	DSI 3	55340	3560	18.90	19.40	1.122	62.9	1.006	-0.16	0.313	0.353
	LTE Band 48	20M	QPSK	50	24	-	Back	5mm	Ant 3	-	DSI 3	55340	3560	18.90	19.40	1.122	62.9	1.006	-0.01	0.741	0.836
	LTE Band 48	20M	QPSK	50	24	-	Back	5mm	Ant 3	-	DSI 3	55830	3609	18.84	19.40	1.138	62.9	1.006	-0.04	0.535	0.612
	LTE Band 48	20M	QPSK	50	24	-	Back	5mm	Ant 3	-	DSI 3	56150	3641	18.89	19.40	1.125	62.9	1.006	-0.04	0.540	0.611
	LTE Band 48	20M	QPSK	50	24	-	Back	5mm	Ant 3	-	DSI 3	56640	3690	18.87	19.40	1.130	62.9	1.006	-0.13	0.565	0.642
	LTE Band 48	20M	QPSK	50	24	-	Front	18mm	Ant 3	-	DSI 4	55340	3560	19.80	21.00	1.318	62.9	1.006	0.01	0.215	0.285
	LTE Band 48	20M	QPSK	50	24	-	Back	24mm	Ant 3	-	DSI 4	55340	3560	19.80	21.00	1.318	62.9	1.006	0.01	0.230	0.305
	LTE Band 48	20M	QPSK	100	0	-	Back	5mm	Ant 3	-	DSI 3	55340	3560	18.91	19.40	1.119	62.9	1.006	-0.16	0.733	0.825
	LTE Band 48	20M	QPSK	1	49	-	Front	5mm	Ant 8	-	DSI 3	55340	3560	14.39	15.50	1.291	62.9	1.006	-	n/a	n/a
92	LTE Band 48	20M	QPSK	1	49	-	Back	5mm	Ant 8	-	DSI 3	55340	3560	14.39	15.50	1.291	62.9	1.006	-0.12	0.755	**0.981**
	LTE Band 48C	20M	QPSK	1	99	-	Back	5mm	Ant 8	-	DSI 3	55340 +55538	3560 +2579.8	14.07	15.50	1.390	62.9	1.006	-0.1	0.701	0.980
	LTE Band 48	20M	QPSK	1	49	-	Back	5mm	Ant 8	-	DSI 3	55830	3609	14.33	15.50	1.309	62.9	1.006	-0.1	0.710	0.935

	LTE Band 48	20M	QPSK	1	49	-	Back	5mm	Ant 8	-	DSI 3	56150	3641	14.26	15.50	1.330	62.9	1.006	0.05	0.683	0.914
	LTE Band 48	20M	QPSK	1	49	-	Back	5mm	Ant 8	-	DSI 3	56640	3690	14.36	15.50	1.300	62.9	1.006	0	0.672	0.879
	LTE Band 48	20M	QPSK	1	49	-	Front	18mm	Ant 8	-	DSI 4	55340	3560	19.55	20.00	1.109	62.9	1.006	-	n/a	n/a
	LTE Band 48	20M	QPSK	1	49	-	Back	24mm	Ant 8	-	DSI 4	55340	3560	19.55	20.00	1.109	62.9	1.006	-0.12	0.115	0.128
	LTE Band 48	20M	QPSK	50	24	-	Front	5mm	Ant 8	-	DSI 3	55340	3560	14.37	15.50	1.297	62.9	1.006	-	n/a	n/a
	LTE Band 48	20M	QPSK	50	24	-	Back	5mm	Ant 8	-	DSI 3	55340	3560	14.37	15.50	1.297	62.9	1.006	-0.13	0.746	0.974
	LTE Band 48	20M	QPSK	50	24	-	Back	5mm	Ant 8	-	DSI 3	55830	3609	14.30	15.50	1.318	62.9	1.006	0.19	0.703	0.932
	LTE Band 48	20M	QPSK	50	24	-	Back	5mm	Ant 8	-	DSI 3	56150	3641	14.25	15.50	1.334	62.9	1.006	-0.15	0.676	0.907
	LTE Band 48	20M	QPSK	50	24	-	Back	5mm	Ant 8	-	DSI 3	56640	3690	14.34	15.50	1.306	62.9	1.006	0.17	0.654	0.859
	LTE Band 48	20M	QPSK	50	24	-	Front	18mm	Ant 8	-	DSI 4	55340	3560	17.71	19.00	1.346	62.9	1.006	-	n/a	n/a
	LTE Band 48	20M	QPSK	50	24	-	Back	24mm	Ant 8	-	DSI 4	55340	3560	17.71	19.00	1.346	62.9	1.006	-0.12	0.110	0.149
	LTE Band 48	20M	QPSK	100	0	-	Back	5mm	Ant 8	-	DSI 3	55340	3560	14.35	15.50	1.303	62.9	1.006	0.09	0.742	0.973
	FR1 n48	40M	QPSK	1	1	DFT-30	Front	5mm	Ant 3	-	DSI 3	641666	3624.99	16.97	18.00	1.268	-	1.000	-0.02	0.309	0.392
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	5mm	Ant 3	-	DSI 3	641666	3624.99	16.97	18.00	1.268	-	1.000	0.04	0.674	0.854
	FR1 n48	40M	QPSK	1	1	DFT-30	Front	18mm	Ant 3	-	DSI 4	641666	3624.99	18.66	19.50	1.213	-	1.000	-0.02	0.273	0.331
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	24mm	Ant 3	-	DSI 4	641666	3624.99	18.66	19.50	1.213	-	1.000	0.04	0.262	0.318
	FR1 n48	40M	QPSK	50	28	DFT-30	Front	5mm	Ant 3	-	DSI 3	641666	3624.99	16.94	18.00	1.276	-	1.000	0.05	0.295	0.377
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	5mm	Ant 3	-	DSI 3	641666	3624.99	16.94	18.00	1.276	-	1.000	-0.06	0.659	0.841
	FR1 n48	40M	QPSK	50	28	DFT-30	Front	18mm	Ant 3	-	DSI 4	641666	3624.99	18.64	19.50	1.219	-	1.000	-0.02	0.262	0.319
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	24mm	Ant 3	-	DSI 4	641666	3624.99	18.64	19.50	1.219	-	1.000	0.04	0.257	0.313
	FR1 n48	40M	QPSK	100	0	DFT-30	Back	5mm	Ant 3	-	DSI 3	641666	3624.99	16.90	18.00	1.288	-	1.000	-0.06	0.649	0.836
	FR1 n48	40M	QPSK	1	1	DFT-30	Front	5mm	Ant 8	-	DSI 3	641666	3624.99	13.10	14.00	1.230	-	1.000	-0.09	0.050	0.062
93	FR1 n48	40M	QPSK	1	1	DFT-30	Back	5mm	Ant 8	-	DSI 3	641666	3624.99	13.10	14.00	1.230	-	1.000	0.06	0.800	**0.984**
	FR1 n48	40M	QPSK	1	1	DFT-30	Front	18mm	Ant 8	-	DSI 4	641666	3624.99	23.10	24.00	1.230	-	1.000	-0.09	0.057	0.070
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	24mm	Ant 8	-	DSI 4	641666	3624.99	23.10	24.00	1.230	-	1.000	0.06	0.590	0.726
	FR1 n48	40M	QPSK	50	28	DFT-30	Front	5mm	Ant 8	-	DSI 3	641666	3624.99	13.06	14.00	1.242	-	1.000	0.17	0.051	0.063
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	5mm	Ant 8	-	DSI 3	641666	3624.99	13.06	14.00	1.242	-	1.000	0.05	0.789	0.980
	FR1 n48	40M	QPSK	50	28	DFT-30	Front	18mm	Ant 8	-	DSI 4	641666	3624.99	23.07	24.00	1.239	-	1.000	-0.06	0.051	0.063
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	24mm	Ant 8	-	DSI 4	641666	3624.99	23.07	24.00	1.239	-	1.000	0.13	0.578	0.716
	FR1 n48	40M	QPSK	100	0	DFT-30	Back	5mm	Ant 8	-	DSI 3	641666	3624.99	12.98	14.00	1.265	-	1.000	-0.09	0.758	0.959
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 3	-	DSI 3	633332	3499.98	15.33	16.00	1.167	-	1.000	0	0.349	0.407
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 3	-	DSI 3	633332	3499.98	15.33	16.00	1.167	-	1.000	0.06	0.792	0.924
	FR1 n77_PC2	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 3	-	DSI 3	633332	3499.98	18.21	19.00	1.199	50	1.000	0.06	0.768	0.921
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	18mm	Ant 3	-	DSI 4	633332	3499.98	17.73	18.50	1.194	-	1.000	0.07	0.082	0.098
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	24mm	Ant 3	-	DSI 4	633332	3499.98	17.73	18.50	1.194	-	1.000	0.08	0.114	0.136
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 3	-	DSI 3	633332	3499.98	15.31	16.00	1.172	-	1.000	-0.1	0.335	0.393
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 3	-	DSI 3	633332	3499.98	15.31	16.00	1.172	-	1.000	0.19	0.766	0.898
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	18mm	Ant 3	-	DSI 4	633332	3499.98	17.71	18.50	1.199	-	1.000	0	0.078	0.094
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	24mm	Ant 3	-	DSI 4	633332	3499.98	17.71	18.50	1.199	-	1.000	0.06	0.110	0.132
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 3	-	DSI 3	633332	3499.98	15.29	16.00	1.178	-	1.000	0.06	0.776	0.914
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 3	-	DSI 3	656000	3840	15.23	16.00	1.194	-	1.000	0.01	0.293	0.350
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 3	-	DSI 3	656000	3840	15.23	16.00	1.194	-	1.000	-0.03	0.627	0.749
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	18mm	Ant 3	-	DSI 4	656000	3840	17.67	18.50	1.211	-	1.000	-0.04	0.053	0.064
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	24mm	Ant 3	-	DSI 4	656000	3840	17.67	18.50	1.211	-	1.000	0.14	0.097	0.117
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 3	-	DSI 3	656000	3840	15.21	16.00	1.199	-	1.000	-0.07	0.305	0.366
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 3	-	DSI 3	656000	3840	15.21	16.00	1.199	-	1.000	-0.13	0.645	0.774
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	18mm	Ant 3	-	DSI 3	656000	3840	17.65	18.50	1.216	-	1.000	0.18	0.049	0.060
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	24mm	Ant 3	-	DSI 3	656000	3840	17.65	18.50	1.216	-	1.000	-0.19	0.103	0.125
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 3	-	DSI 3	656000	3840	15.19	16.00	1.205	-	1.000	-0.13	0.639	0.770
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 7	-	DSI 3	633332	3499.98	14.69	15.50	1.205	-	1.000	0.16	0.123	0.148
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 7	-	DSI 3	633332	3499.98	14.69	15.50	1.205	-	1.000	-0.15	0.314	0.378
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	18mm	Ant 7	-	DSI 4	633332	3499.98	23.08	24.00	1.236	-	1.000	0.16	0.157	0.194
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	24mm	Ant 7	-	DSI 4	633332	3499.98	23.08	24.00	1.236	-	1.000	-0.15	0.194	0.240
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 7	-	DSI 3	633332	3499.98	14.67	15.50	1.211	-	1.000	0.03	0.126	0.153
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 7	-	DSI 3	633332	3499.98	14.67	15.50	1.211	-	1.000	0.09	0.320	0.387
	FR1 n77_PC2	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 7	-	DSI 3	633332	3499.98	17.36	18.50	1.300	50	1.000	0.04	0.306	0.398

	FR1 n77	100M	QPSK	135	69	DFT-30	Front	18mm	Ant 7	-	DSI 4	633332	3499.98	23.05	24.00	1.245	-	1.000	0.16	0.168	0.209
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	24mm	Ant 7	-	DSI 4	633332	3499.98	23.05	24.00	1.245	-	1.000	-0.15	0.206	0.256
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 7	-	DSI 3	656000	3840	14.76	15.50	1.186	-	1.000	-0.14	0.128	0.152
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 7	-	DSI 3	656000	3840	14.76	15.50	1.186	-	1.000	0	0.276	0.327
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	18mm	Ant 7	-	DSI 3	656000	3840	23.13	24.00	1.222	-	1.000	-0.04	0.127	0.155
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	24mm	Ant 7	-	DSI 3	656000	3840	23.13	24.00	1.222	-	1.000	-0.13	0.216	0.264
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 7	-	DSI 3	656000	3840	14.74	15.50	1.191	-	1.000	-0.17	0.138	0.164
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 7	-	DSI 3	656000	3840	14.74	15.50	1.191	-	1.000	0.08	0.290	0.345
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	18mm	Ant 7	-	DSI 3	656000	3840	23.10	24.00	1.230	-	1.000	0.04	0.138	0.170
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	24mm	Ant 7	-	DSI 3	656000	3840	23.10	24.00	1.230	-	1.000	-0.13	0.245	0.301
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 8	-	DSI 3	633332	3499.98	12.29	13.00	1.178	-	1.000	-0.18	0.066	0.078
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 8	-	DSI 3	633332	3499.98	12.29	13.00	1.178	-	1.000	-0.08	0.793	0.934
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	18mm	Ant 8	-	DSI 4	633332	3499.98	23.48	24.00	1.127	-	1.000	-0.18	0.066	0.074
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	24mm	Ant 8	-	DSI 4	633332	3499.98	23.48	24.00	1.127	-	1.000	-0.08	0.620	0.699
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 8	-	DSI 3	633332	3499.98	12.26	13.00	1.186	-	1.000	0.19	0.065	0.077
94	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 8	-	DSI 3	633332	3499.98	12.26	13.00	1.186	-	1.000	-0.03	0.806	**0.956**
	FR1 n77_PC2	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 8	-	DSI 3	633332	3499.98	15.30	16.00	1.175	50	1.000	-0.05	0.792	0.931
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	18mm	Ant 8	-	DSI 4	633332	3499.98	23.46	24.00	1.132	-	1.000	-0.18	0.062	0.070
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	24mm	Ant 8	-	DSI 4	633332	3499.98	23.46	24.00	1.132	-	1.000	-0.08	0.637	0.721
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 8	-	DSI 3	633332	3499.98	12.24	13.00	1.191	-	1.000	0.05	0.784	0.934
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 8	-	DSI 3	656000	3840	11.89	13.00	1.291	-	1.000	0.11	0.055	0.071
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 8	-	DSI 3	656000	3840	11.89	13.00	1.291	-	1.000	0.12	0.675	0.872
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	18mm	Ant 8	-	DSI 3	656000	3840	23.13	24.00	1.222	-	1.000	-0.03	0.055	0.067
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	24mm	Ant 8	-	DSI 3	656000	3840	23.13	24.00	1.222	-	1.000	0.02	0.608	0.743
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 8	-	DSI 3	656000	3840	11.87	13.00	1.297	-	1.000	-0.13	0.053	0.069
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 8	-	DSI 3	656000	3840	11.87	13.00	1.297	-	1.000	0.09	0.641	0.831
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	18mm	Ant 8	-	DSI 3	656000	3840	23.10	24.00	1.230	-	1.000	-0.08	0.054	0.066
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	24mm	Ant 8	-	DSI 3	656000	3840	23.10	24.00	1.230	-	1.000	-0.19	0.602	0.741
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 8	-	DSI 3	656000	3840	11.85	13.00	1.303	-	1.000	0.09	0.642	0.837
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 9	-	DSI 3	633332	3499.98	14.02	15.00	1.253	-	1.000	-0.01	0.168	0.211
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 9	-	DSI 3	633332	3499.98	14.02	15.00	1.253	-	1.000	-0.05	0.254	0.318
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	18mm	Ant 9	-	DSI 3	633332	3499.98	16.75	17.50	1.189	-	1.000	0.03	0.045	0.053
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	24mm	Ant 9	-	DSI 3	633332	3499.98	16.75	17.50	1.189	-	1.000	0.03	0.044	0.052
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 9	-	DSI 3	633332	3499.98	14.01	15.00	1.256	-	1.000	-0.1	0.158	0.198
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 9	-	DSI 3	633332	3499.98	14.01	15.00	1.256	-	1.000	-0.19	0.247	0.310
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	18mm	Ant 9	-	DSI 3	633332	3499.98	16.73	17.50	1.194	-	1.000	0.11	0.042	0.050
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	24mm	Ant 9	-	DSI 3	633332	3499.98	16.73	17.50	1.194	-	1.000	0.08	0.040	0.048
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 9	-	DSI 3	656000	3840	13.88	15.00	1.294	-	1.000	-0.08	0.233	0.302
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 9	-	DSI 3	656000	3840	13.88	15.00	1.294	-	1.000	-0.09	0.376	0.487
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	18mm	Ant 9	-	DSI 3	656000	3840	16.38	17.50	1.294	-	1.000	0.06	0.043	0.056
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	24mm	Ant 9	-	DSI 3	656000	3840	16.38	17.50	1.294	-	1.000	0.08	0.059	0.076
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 9	-	DSI 3	656000	3840	13.86	15.00	1.300	-	1.000	0.15	0.247	0.321
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 9	-	DSI 3	656000	3840	13.86	15.00	1.300	-	1.000	-0.09	0.390	0.507
	FR1 n77_PC2	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 9	-	DSI 3	656000	3840	16.94	18.00	1.276	50	1.000	-0.09	0.378	0.482
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	18mm	Ant 9	-	DSI 3	656000	3840	16.34	17.50	1.306	-	1.000	0.11	0.044	0.057
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	24mm	Ant 9	-	DSI 3	656000	3840	16.34	17.50	1.306	-	1.000	0.06	0.058	0.076
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 9	-	DSI 3	656000	3840	13.83	15.00	1.309	-	1.000	0.03	0.382	0.500

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)
2450MHz																
	Bluetooth	DH5 1Mbps	Front	5mm	Ant 4	Standalone	39	2441	13.82	14.50	1.171	76.99	1.299	-0.01	0.056	0.085
95	Bluetooth	DH5 1Mbps	Back	5mm	Ant 4	Standalone	39	2441	13.82	14.50	1.171	76.99	1.299	0.04	0.266	**0.405**
	Bluetooth	DH5 1Mbps	Front	5mm	Ant 4	Simultaneous	39	2441	9.40	10.00	1.148	76.99	1.299	0.08	0.029	0.043
	Bluetooth	DH5 1Mbps	Back	5mm	Ant 4	Simultaneous	39	2441	9.40	10.00	1.148	76.99	1.299	0.04	0.068	0.101
	Bluetooth	DH5 1Mbps	Front	5mm	Ant 6	Standalone	39	2441	13.83	14.50	1.166	76.85	1.301	-0.02	0.051	0.077
	Bluetooth	DH5 1Mbps	Back	5mm	Ant 6	Standalone	39	2441	13.83	14.50	1.166	76.85	1.301	-0.16	0.147	0.223
	Bluetooth	DH5 1Mbps	Front	5mm	Ant 6	Simultaneous	39	2441	12.80	13.50	1.175	76.85	1.301	-0.16	0.034	0.052
	Bluetooth	DH5 1Mbps	Back	5mm	Ant 6	Simultaneous	39	2441	12.80	13.50	1.175	76.85	1.301	-0.06	0.075	0.115
	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Front	5mm	Ant 4+6	Standalone	1	2412	20.90	22.50	1.445	97.86	1.022	0.17	0.499	0.737
96	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Back	5mm	Ant 4+6	Standalone	1	2412	20.90	22.50	1.445	97.86	1.022	-0.07	0.872	**1.288**
	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Back	5mm	Ant 4+6	Standalone	6	2437	20.75	22.00	1.334	97.86	1.022	0.16	0.911	1.242
	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Back	5mm	Ant 4+6	Standalone	11	2462	20.76	22.00	1.330	97.86	1.022	-0.05	0.892	1.213
	WLAN2.4GHz(Non-DBS)	802.11g 6Mbps	Back	5mm	Ant 4+6	Standalone	1	2412	21.18	22.50	1.355	97.86	1.022	0.06	0.854	1.183
	WLAN2.4GHz(DBS)	802.11b 1Mbps	Back	5mm	Ant 4+6	Standalone	1	2412	18.91	20.50	1.442	97.86	1.022	-0.06	0.510	0.752
	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Front	5mm	Ant 4+6	Simultaneous	1	2412	12.36	14.00	1.459	97.86	1.022	0.13	0.062	0.092
	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Back	5mm	Ant 4+6	Simultaneous	1	2412	12.36	14.00	1.459	97.86	1.022	0.04	0.123	0.183
	WLAN2.4GHz(DBS)	802.11b 1Mbps	Front	5mm	Ant 4+6	Simultaneous	1	2412	10.05	11.50	1.396	97.86	1.022	0.03	0.051	0.073
	WLAN2.4GHz(DBS)	802.11b 1Mbps	Back	5mm	Ant 4+6	Simultaneous	1	2412	10.05	11.50	1.396	97.86	1.022	0.13	0.098	0.140
	WLAN2.4GHz	802.11b 1Mbps	Front	18mm	Ant 4+6	Standalone	1	2412	23.84	25.50	1.466	97.86	1.022	0.17	0.166	0.249
	WLAN2.4GHz	802.11b 1Mbps	Back	24mm	Ant 4+6	Standalone	1	2412	23.84	25.50	1.466	97.86	1.022	-0.07	0.167	0.250
WLAN 5GHz																
	WLAN5.3GHz(Non-DBS)	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+7	Standalone	58	5290	18.22	20.00	1.507	100	1.000	0.11	0.638	0.961
97	WLAN5.3GHz(Non-DBS)	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+7	Standalone	58	5290	18.22	20.00	1.507	100	1.000	-0.05	0.738	**1.112**
	WLAN5.3GHz(DBS)	802.11ac-VHT160 MCS0	Back	5mm	Ant 5+7	Standalone	50	5250	17.10	18.50	1.380	100	1.000	0.02	0.519	0.716
	WLAN5.3GHz(No-DBS/DBS)	802.11ac-VHT160 MCS0	Front	5mm	Ant 5+7	Simultaneous	50	5250	12.13	13.50	1.371	100	1.000	0.06	0.109	0.149
	WLAN5.3GHz(No-DBS/DBS)	802.11ac-VHT160 MCS0	Back	5mm	Ant 5+7	Simultaneous	50	5250	12.13	13.50	1.371	100	1.000	0.04	0.124	0.170
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	18mm	Ant 5+7	Standalone	54	5270	21.28	23.00	1.486	100	1.000	0.03	0.170	0.253
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	24mm	Ant 5+7	Standalone	54	5270	21.28	23.00	1.486	100	1.000	-0.05	0.263	0.391
	WLAN5.5GHz(Non-DBS)	802.11ac-VHT160 MCS0	Front	5mm	Ant 5+7	Standalone	114	5570	18.08	19.50	1.387	100	1.000	0.04	0.534	0.741
98	WLAN5.5GHz(Non-DBS)	802.11ac-VHT160 MCS0	Back	5mm	Ant 5+7	Standalone	114	5570	18.08	19.50	1.387	100	1.000	-0.17	0.831	**1.152**
	WLAN5.5GHz(DBS)	802.11ac-VHT160 MCS0	Back	5mm	Ant 5+7	Standalone	114	5570	16.76	18.00	1.330	100	1.000	0.09	0.552	0.734
	WLAN5.5GHz(No-DBS/DBS)	802.11ac-VHT160 MCS0	Front	5mm	Ant 5+7	Simultaneous	114	5570	10.60	12.00	1.380	100	1.000	0.05	0.078	0.108
	WLAN5.5GHz(No-DBS/DBS)	802.11ac-VHT160 MCS0	Back	5mm	Ant 5+7	Simultaneous	114	5570	10.60	12.00	1.380	100	1.000	0.06	0.123	0.170
	WLAN5.5GHz	802.11a 6Mbps	Front	18mm	Ant 5+7	Standalone	140	5700	21.55	23.00	1.396	100	1.000	0.08	0.241	0.337
	WLAN5.5GHz	802.11a 6Mbps	Back	24mm	Ant 5+7	Standalone	140	5700	21.55	23.00	1.396	100	1.000	-0.17	0.313	0.437
	WLAN5.8GHz(Non-DBS)	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+7	Standalone	155	5775	18.62	20.00	1.374	100	1.000	0.01	0.550	0.756
99	WLAN5.8GHz(Non-DBS)	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+7	Standalone	155	5775	18.62	20.00	1.374	100	1.000	0.03	0.809	**1.112**
	WLAN5.8GHz(DBS)	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+7	Standalone	155	5775	17.06	18.50	1.393	100	1.000	-0.15	0.508	0.708
	WLAN5.8GHz(No-DBS/DBS)	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+7	Simultaneous	155	5775	10.95	12.50	1.429	100	1.000	0.03	0.087	0.124
	WLAN5.8GHz(No-DBS/DBS)	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+7	Simultaneous	155	5775	10.95	12.50	1.429	100	1.000	0.03	0.118	0.169
	WLAN5.8GHz	802.11a 6Mbps	Front	18mm	Ant 5+7	Standalone	165	5825	22.53	24.00	1.403	100	1.000	0.15	0.239	0.335
	WLAN5.8GHz	802.11a 6Mbps	Back	24mm	Ant 5+7	Standalone	165	5825	22.53	24.00	1.403	100	1.000	0.03	0.428	0.600

16.4 Product specific 10g 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)
1750MHz																				
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 1	DSI 6	1413	1732.6	19.85	20.70	1.216	-	1.000	-0.16	0.931	1.132
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	DSI 6	1413	1732.6	19.85	20.70	1.216	-	1.000	0.13	1.510	1.836
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Side	0mm	Ant 1	DSI 6	1413	1732.6	19.85	20.70	1.216	-	1.000	-0.07	1.110	1.350
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 1	DSI 6	1413	1732.6	19.85	20.70	1.216	-	1.000	0.12	1.520	1.849
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	9mm	Ant 1	DSI 4	1413	1732.6	23.72	25.00	1.343	-	1.000	0.11	0.267	0.359
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	16mm	Ant 1	DSI 4	1413	1732.6	23.72	25.00	1.343	-	1.000	-0.09	0.268	0.360
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Side	15mm	Ant 1	DSI 4	1413	1732.6	23.72	25.00	1.343	-	1.000	0.01	0.287	0.385
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	10mm	Ant 1	DSI 4	1413	1732.6	23.72	25.00	1.343	-	1.000	0.14	0.451	0.606
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 2	DSI 6	1413	1732.6	22.07	22.80	1.183	-	1.000	0.16	0.545	0.645
101	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 2	DSI 6	1413	1732.6	22.07	22.80	1.183	-	1.000	0.07	1.630	**1.928**
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 2	DSI 4	1413	1732.6	24.43	25.00	1.140	-	1.000	-0.07	0.246	0.281
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	13mm	Ant 2	DSI 4	1413	1732.6	24.43	25.00	1.140	-	1.000	-0.18	0.467	0.532
	LTE Band 66	20M	QPSK	1	49		Front	0mm	Ant 1	DSI 6	132322	1745	19.32	20.20	1.225		1.000	0.12	0.829	1.015
	LTE Band 66	20M	QPSK	1	49	-	Back	0mm	Ant 1	DSI 6	132322	1745	19.32	20.20	1.225	-	1.000	0.04	0.985	1.206
	LTE Band 66	20M	QPSK	1	49	-	Left Side	0mm	Ant 1	DSI 6	132322	1745	19.32	20.20	1.225	-	1.000	0.13	1.170	1.433
102	LTE Band 66	20M	QPSK	1	49	-	Top Side	0mm	Ant 1	DSI 6	132322	1745	19.32	20.20	1.225	-	1.000	0.04	1.620	**1.984**
	LTE Band 66C	20M	QPSK	1	49	-	Top Side	0mm	Ant 1	DSI 6	132322 +132520	1745 +1764.8	19.28	20.20	1.236	-	1.000	0.08	1.580	1.953
	LTE Band 66	20M	QPSK	1	49	-	Front	9mm	Ant 1	DSI 4	132322	1745	22.09	23.00	1.233	-	1.000	-0.15	0.354	0.437
	LTE Band 66	20M	QPSK	1	49	-	Back	16mm	Ant 1	DSI 4	132322	1745	22.09	23.00	1.233	-	1.000	0.01	0.331	0.408
	LTE Band 66	20M	QPSK	1	49	-	Left Side	15mm	Ant 1	DSI 4	132322	1745	22.09	23.00	1.233	-	1.000	0.01	0.325	0.401
	LTE Band 66	20M	QPSK	1	49	-	Top Side	10mm	Ant 1	DSI 4	132322	1745	22.09	23.00	1.233	-	1.000	0.04	0.440	0.543
	LTE Band 66	20M	QPSK	50	24	-	Front	0mm	Ant 1	DSI 6	132322	1745	19.30	20.20	1.230	-	1.000	-0.05	0.842	1.036
	LTE Band 66	20M	QPSK	50	24	-	Back	0mm	Ant 1	DSI 6	132322	1745	19.30	20.20	1.230	-	1.000	0.11	0.960	1.181
	LTE Band 66	20M	QPSK	50	24	-	Left Side	0mm	Ant 1	DSI 6	132322	1745	19.30	20.20	1.230	-	1.000	-0.06	1.180	1.452
	LTE Band 66	20M	QPSK	50	24	-	Top Side	0mm	Ant 1	DSI 6	132322	1745	19.30	20.20	1.230	-	1.000	-0.05	1.550	1.907
	LTE Band 66	20M	QPSK	50	24	-	Front	9mm	Ant 1	DSI 4	132322	1745	22.06	23.00	1.242	-	1.000	-0.15	0.354	0.440
	LTE Band 66	20M	QPSK	50	24	-	Back	16mm	Ant 1	DSI 4	132322	1745	22.06	23.00	1.242	-	1.000	0.01	0.247	0.307
	LTE Band 66	20M	QPSK	50	24	-	Left Side	15mm	Ant 1	DSI 4	132322	1745	22.06	23.00	1.242	-	1.000	0.01	0.268	0.333
	LTE Band 66	20M	QPSK	50	24	-	Top Side	10mm	Ant 1	DSI 4	132322	1745	22.06	23.00	1.242	-	1.000	0.04	0.359	0.446
	LTE Band 66	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 2	DSI 6	132322	1745	22.44	23.20	1.191	-	1.000	0.13	1.610	1.918
	LTE Band 66C	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 2	DSI 6	132322 +132520	1745 +17164.8	22.42	23.20	1.197	-	1.000	0.15	1.570	1.879
	LTE Band 66	20M	QPSK	1	49	-	Bottom Side	13mm	Ant 2	DSI 4	132322	1745	23.26	24.00	1.186	-	1.000	0.12	0.449	0.532
	LTE Band 66	20M	QPSK	50	24	-	Bottom Side	0mm	Ant 2	DSI 6	132322	1745	22.41	23.20	1.199	-	1.000	-0.1	1.580	1.895
	LTE Band 66	20M	QPSK	50	24	-	Bottom Side	13mm	Ant 2	DSI 4	132322	1745	23.23	24.00	1.194	-	1.000	0.12	0.302	0.361
	FR1 n70	15M	QPSK	1	1	DFT-15	Front	0mm	Ant 1	DSI 6	340500	1702.5	19.62	20.50	1.225	-	1.000	-0.02	0.746	0.914
	FR1 n70	15M	QPSK	1	1	DFT-15	Back	0mm	Ant 1	DSI 6	340500	1702.5	19.62	20.50	1.225	-	1.000	0.19	1.500	1.837
	FR1 n70	15M	QPSK	1	1	DFT-15	Left Side	0mm	Ant 1	DSI 6	340500	1702.5	19.62	20.50	1.225	-	1.000	0	1.260	1.543
	FR1 n70	15M	QPSK	1	1	DFT-15	Top Side	0mm	Ant 1	DSI 6	340500	1702.5	19.62	20.50	1.225	-	1.000	-0.08	1.590	1.947
	FR1 n70	15M	QPSK	1	1	DFT-15	Front	9mm	Ant 1	DSI 4	340500	1702.5	23.30	24.00	1.175	-	1.000	-0.02	0.256	0.301
	FR1 n70	15M	QPSK	1	1	DFT-15	Back	16mm	Ant 1	DSI 4	340500	1702.5	23.30	24.00	1.175	-	1.000	0.05	0.232	0.273
	FR1 n70	15M	QPSK	1	1	DFT-15	Left Side	15mm	Ant 1	DSI 4	340500	1702.5	23.30	24.00	1.175	-	1.000	-0.05	0.225	0.264
	FR1 n70	15M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 1	DSI 4	340500	1702.5	23.30	24.00	1.175	-	1.000	0.1	0.283	0.332
	FR1 n70	15M	QPSK	36	22	DFT-15	Front	0mm	Ant 1	DSI 6	340500	1702.5	19.60	20.50	1.230	-	1.000	0.07	0.755	0.929
	FR1 n70	15M	QPSK	36	22	DFT-15	Back	0mm	Ant 1	DSI 6	340500	1702.5	19.60	20.50	1.230	-	1.000	-0.18	1.490	1.833
	FR1 n70	15M	QPSK	36	22	DFT-15	Left Side	0mm	Ant 1	DSI 6	340500	1702.5	19.60	20.50	1.230	-	1.000	-0.05	1.240	1.526
103	FR1 n70	15M	QPSK	36	22	DFT-15	Top Side	0mm	Ant 1	DSI 6	340500	1702.5	19.60	20.50	1.230	-	1.000	-0.13	1.620	**1.993**
	FR1 n70	15M	QPSK	36	22	DFT-15	Front	9mm	Ant 1	DSI 4	340500	1702.5	23.26	24.00	1.186	-	1.000	0.03	0.256	0.304
	FR1 n70	15M	QPSK	36	22	DFT-15	Back	16mm	Ant 1	DSI 4	340500	1702.5	23.26	24.00	1.186	-	1.000	0.19	0.242	0.287
	FR1 n70	15M	QPSK	36	22	DFT-15	Left Side	15mm	Ant 1	DSI 4	340500	1702.5	23.26	24.00	1.186	-	1.000	-0.09	0.231	0.274
	FR1 n70	15M	QPSK	36	22	DFT-15	Top Side	10mm	Ant 1	DSI 4	340500	1702.5	23.26	24.00	1.186	-	1.000	-0.05	0.293	0.347

	FR1 n70	15M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 2	DSI 6	340500	1702.5	21.91	23.50	1.442	-	1.000	0.08	1.350	1.947
	FR1 n70	15M	QPSK	1	1	DFT-15	Bottom Side	13mm	Ant 2	DSI 4	340500	1702.5	22.35	24.00	1.462	-	1.000	0.08	0.198	0.290
	FR1 n70	15M	QPSK	36	22	DFT-15	Bottom Side	0mm	Ant 2	DSI 6	340500	1702.5	21.89	23.50	1.449	-	1.000	0.11	1.360	1.970
	FR1 n70	15M	QPSK	36	22	DFT-15	Bottom Side	13mm	Ant 2	DSI 4	340500	1702.5	22.32	24.00	1.472	-	1.000	0.08	0.202	0.297
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	0mm	Ant 1	DSI 6	349000	1745	19.80	20.50	1.175	-	1.000	0.14	1.060	1.245
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	0mm	Ant 1	DSI 6	349000	1745	19.80	20.50	1.175	-	1.000	-0.07	0.637	0.748
	FR1 n66	40M	QPSK	1	1	DFT-15	Left Side	0mm	Ant 1	DSI 6	349000	1745	19.80	20.50	1.175	-	1.000	-0.08	0.859	1.009
	FR1 n66	40M	QPSK	1	1	DFT-15	Top Side	0mm	Ant 1	DSI 6	349000	1745	19.80	20.50	1.175	-	1.000	-0.11	1.640	1.927
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	9mm	Ant 1	DSI 4	349000	1745	23.27	24.00	1.183	-	1.000	0.04	0.375	0.444
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	16mm	Ant 1	DSI 4	349000	1745	23.27	24.00	1.183	-	1.000	0.15	0.341	0.403
	FR1 n66	40M	QPSK	1	1	DFT-15	Left Side	15mm	Ant 1	DSI 4	349000	1745	23.27	24.00	1.183	-	1.000	-0.13	0.343	0.406
	FR1 n66	40M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 1	DSI 4	349000	1745	23.27	24.00	1.183	-	1.000	0.07	0.582	0.689
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	0mm	Ant 1	DSI 6	349000	1745	19.78	20.50	1.180	-	1.000	-0.15	1.110	1.310
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 1	DSI 6	349000	1745	19.78	20.50	1.180	-	1.000	-0.17	0.657	0.775
	FR1 n66	40M	QPSK	108	54	DFT-15	Left Side	0mm	Ant 1	DSI 6	349000	1745	19.78	20.50	1.180	-	1.000	-0.09	0.887	1.047
104	FR1 n66	40M	QPSK	108	54	DFT-15	Top Side	0mm	Ant 1	DSI 6	349000	1745	19.78	20.50	1.180	-	1.000	0.08	1.690	**1.995**
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	9mm	Ant 1	DSI 4	349000	1745	23.25	24.00	1.189	-	1.000	-0.07	0.411	0.488
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	16mm	Ant 1	DSI 4	349000	1745	23.25	24.00	1.189	-	1.000	0	0.385	0.458
	FR1 n66	40M	QPSK	108	54	DFT-15	Left Side	15mm	Ant 1	DSI 4	349000	1745	23.25	24.00	1.189	-	1.000	-0.19	0.374	0.444
	FR1 n66	40M	QPSK	108	54	DFT-15	Top Side	10mm	Ant 1	DSI 4	349000	1745	23.25	24.00	1.189	-	1.000	0.07	0.602	0.715
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	0mm	Ant 2	DSI 6	349000	1745	21.48	22.50	1.265	-	1.000	0.04	1.240	1.568
	FR1 n66	40M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 2	DSI 6	349000	1745	21.48	22.50	1.265	-	1.000	-0.14	1.500	1.897
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	15mm	Ant 2	DSI 4	349000	1745	23.19	24.00	1.205	-	1.000	0.04	0.162	0.195
	FR1 n66	40M	QPSK	1	1	DFT-15	Bottom Side	13mm	Ant 2	DSI 4	349000	1745	23.19	24.00	1.205	-	1.000	-0.14	0.320	0.386
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 2	DSI 6	349000	1745	21.46	22.50	1.271	-	1.000	-0.14	1.330	1.690
	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	0mm	Ant 2	DSI 6	349000	1745	21.46	22.50	1.271	-	1.000	0.07	1.560	1.982
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	15mm	Ant 2	DSI 4	349000	1745	23.17	24.00	1.211	-	1.000	0.04	0.151	0.183
	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	13mm	Ant 2	DSI 4	349000	1745	23.17	24.00	1.211	-	1.000	-0.14	0.308	0.373
	1900MHz																			
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Back	0mm	Ant 1	DSI 6	661	1880	23.74	25.30	1.432	-	1.000	-0.1	1.250	1.790
105	GSM1900	-	-	-	-	GPRS 3 Tx slots	Left Side	0mm	Ant 1	DSI 6	661	1880	23.74	25.30	1.432	-	1.000	0.06	1.390	**1.991**
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Top Side	0mm	Ant 1	DSI 6	661	1880	23.74	25.30	1.432	-	1.000	-0.08	1.180	1.690
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Back	16mm	Ant 1	DSI 4	661	1880	24.74	26.50	1.500	-	1.000	-0.1	0.102	0.153
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Left Side	15mm	Ant 1	DSI 4	661	1880	24.74	26.50	1.500	-	1.000	0.06	0.107	0.160
	GSM1900	-	-	-	-	GPRS 3 Tx slots	Top Side	10mm	Ant 1	DSI 4	661	1880	24.74	26.50	1.500	-	1.000	-0.08	0.280	0.420
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 1	DSI 6	9400	1880	18.71	19.70	1.256	-	1.000	0.09	0.883	1.109
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	DSI 6	9400	1880	18.71	19.70	1.256	-	1.000	-0.05	1.310	1.645
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	0mm	Ant 1	DSI 6	9400	1880	18.71	19.70	1.256	-	1.000	0.07	1.480	1.859
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 1	DSI 6	9400	1880	18.71	19.70	1.256	-	1.000	0.04	1.280	1.608
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	9mm	Ant 1	DSI 4	9400	1880	23.94	25.00	1.276	-	1.000	0.04	0.262	0.334
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	16mm	Ant 1	DSI 4	9400	1880	23.94	25.00	1.276	-	1.000	-0.18	0.221	0.282
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	15mm	Ant 1	DSI 4	9400	1880	23.94	25.00	1.276	-	1.000	0.13	0.389	0.497
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	10mm	Ant 1	DSI 4	9400	1880	23.94	25.00	1.276	-	1.000	-0.14	0.431	0.550
106	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 2	DSI 6	9400	1880	22.28	22.90	1.153	-	1.000	0.05	1.720	**1.984**
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 2	DSI 6	9400	1880	22.28	22.90	1.153	-	1.000	0.14	1.570	1.811
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 2	DSI 4	9400	1880	24.16	25.00	1.213	-	1.000	0.09	0.228	0.277
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	13mm	Ant 2	DSI 4	9400	1880	24.52	25.00	1.117	-	1.000	-0.17	0.496	0.554
	LTE Band 25	20M	QPSK	1	49	-	Front	0mm	Ant 1	DSI 6	26340	1880	20.31	21.10	1.199	-	1.000	-0.06	1.010	1.211
	LTE Band 25	20M	QPSK	1	49	-	Back	0mm	Ant 1	DSI 6	26340	1880	20.31	21.10	1.199	-	1.000	-0.09	1.330	1.595
	LTE Band 25	20M	QPSK	1	49	-	Left Side	0mm	Ant 1	DSI 6	26340	1880	20.31	21.10	1.199	-	1.000	0.02	1.630	1.955
	LTE Band 25	20M	QPSK	1	49	-	Top Side	0mm	Ant 1	DSI 6	26340	1880	20.31	21.10	1.199	-	1.000	0.04	1.600	1.919
	LTE Band 25	20M	QPSK	1	49	-	Front	9mm	Ant 1	DSI 4	26340	1880	22.06	23.00	1.242	-	1.000	-0.01	0.298	0.370
	LTE Band 25	20M	QPSK	1	49	-	Back	16mm	Ant 1	DSI 4	26340	1880	22.06	23.00	1.242	-	1.000	0.03	0.225	0.279
	LTE Band 25	20M	QPSK	1	49	-	Left Side	15mm	Ant 1	DSI 4	26340	1880	22.06	23.00	1.242	-	1.000	-0.11	0.325	0.404
	LTE Band 25	20M	QPSK	1	49	-	Top Side	10mm	Ant 1	DSI 4	26340	1880	22.06	23.00	1.242	-	1.000	-0.02	0.565	0.702
	LTE Band 25	20M	QPSK	50	24	-	Front	0mm	Ant 1	DSI 6	26340	1880	20.28	21.10	1.208	-	1.000	-0.07	0.987	1.192

	LTE Band 25	20M	QPSK	50	24	-	Back	0mm	Ant 1	DSI 6	26340	1880	20.28	21.10	1.208	-	1.000	0.03	1.300	1.570
	LTE Band 25	20M	QPSK	50	24	-	Left Side	0mm	Ant 1	DSI 6	26340	1880	20.28	21.10	1.208	-	1.000	0.02	1.610	1.945
	LTE Band 25	20M	QPSK	50	24	-	Top Side	0mm	Ant 1	DSI 6	26340	1880	20.28	21.10	1.208	-	1.000	0.02	1.590	1.920
	LTE Band 25	20M	QPSK	50	24	-	Front	9mm	Ant 1	DSI 4	26340	1880	22.04	23.00	1.247	-	1.000	-0.01	0.308	0.384
	LTE Band 25	20M	QPSK	50	24	-	Back	16mm	Ant 1	DSI 4	26340	1880	22.04	23.00	1.247	-	1.000	0.03	0.216	0.269
	LTE Band 25	20M	QPSK	50	24	-	Left Side	15mm	Ant 1	DSI 4	26340	1880	22.04	23.00	1.247	-	1.000	-0.11	0.329	0.410
	LTE Band 25	20M	QPSK	50	24	-	Top Side	10mm	Ant 1	DSI 4	26340	1880	22.04	23.00	1.247	-	1.000	-0.02	0.575	0.717
107	LTE Band 25	20M	QPSK	1	49	-	Back	0mm	Ant 2	DSI 6	26340	1880	22.70	23.40	1.175	-	1.000	-0.01	1.690	**1.986**
	LTE Band 25	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 2	DSI 6	26340	1880	22.70	23.40	1.175	-	1.000	-0.03	1.300	1.527
	LTE Band 25	20M	QPSK	1	49	-	Back	15mm	Ant 2	DSI 4	26340	1880	23.19	24.00	1.205	-	1.000	0.05	0.205	0.247
	LTE Band 25	20M	QPSK	1	49	-	Bottom Side	13mm	Ant 2	DSI 4	26340	1880	23.19	24.00	1.205	-	1.000	0.13	0.390	0.470
	LTE Band 25	20M	QPSK	50	24	-	Back	0mm	Ant 2	DSI 6	26340	1880	22.68	23.40	1.180	-	1.000	-0.19	1.610	1.900
	LTE Band 25	20M	QPSK	50	24	-	Bottom Side	0mm	Ant 2	DSI 6	26340	1880	22.68	23.40	1.180	-	1.000	-0.12	1.250	1.475
	LTE Band 25	20M	QPSK	50	24	-	Back	15mm	Ant 2	DSI 4	26340	1880	23.16	24.00	1.213	-	1.000	0.05	0.158	0.192
	LTE Band 25	20M	QPSK	50	24	-	Bottom Side	13mm	Ant 2	DSI 4	26340	1880	23.16	24.00	1.213	-	1.000	-0.03	0.279	0.339
	FR1 n25	20M	QPSK	1	1	DFT-15	Front	0mm	Ant 1	DSI 6	376500	1882.5	19.29	20.00	1.178	-	1.000	0.1	1.080	1.272
	FR1 n25	20M	QPSK	1	1	DFT-15	Back	0mm	Ant 1	DSI 6	376500	1882.5	19.29	20.00	1.178	-	1.000	0.01	1.500	1.766
	FR1 n25	20M	QPSK	1	1	DFT-15	Left Side	0mm	Ant 1	DSI 6	376500	1882.5	19.29	20.00	1.178	-	1.000	-0.08	1.560	1.837
	FR1 n25	20M	QPSK	1	1	DFT-15	Top Side	0mm	Ant 1	DSI 6	376500	1882.5	19.29	20.00	1.178	-	1.000	0.16	1.250	1.472
	FR1 n25	20M	QPSK	1	1	DFT-15	Front	9mm	Ant 1	DSI 4	376500	1882.5	23.52	24.00	1.117	-	1.000	0.03	0.352	0.393
	FR1 n25	20M	QPSK	1	1	DFT-15	Back	16mm	Ant 1	DSI 4	376500	1882.5	23.52	24.00	1.117	-	1.000	0.11	0.338	0.377
	FR1 n25	20M	QPSK	1	1	DFT-15	Left Side	15mm	Ant 1	DSI 4	376500	1882.5	23.52	24.00	1.117	-	1.000	-0.18	0.392	0.438
	FR1 n25	20M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 1	DSI 4	376500	1882.5	23.52	24.00	1.117	-	1.000	-0.06	0.715	0.799
	FR1 n25	20M	QPSK	50	28	DFT-15	Front	0mm	Ant 1	DSI 6	376500	1882.5	19.27	20.00	1.183	-	1.000	-0.03	1.110	1.313
	FR1 n25	20M	QPSK	50	28	DFT-15	Back	0mm	Ant 1	DSI 6	376500	1882.5	19.27	20.00	1.183	-	1.000	-0.17	1.470	1.739
	FR1 n25	20M	QPSK	50	28	DFT-15	Left Side	0mm	Ant 1	DSI 6	376500	1882.5	19.27	20.00	1.183	-	1.000	0	1.540	1.822
	FR1 n25	20M	QPSK	50	28	DFT-15	Top Side	0mm	Ant 1	DSI 6	376500	1882.5	19.27	20.00	1.183	-	1.000	-0.06	1.230	1.455
	FR1 n25	20M	QPSK	50	28	DFT-15	Front	9mm	Ant 1	DSI 4	376500	1882.5	23.50	24.00	1.122	-	1.000	0.12	0.348	0.390
	FR1 n25	20M	QPSK	50	28	DFT-15	Back	16mm	Ant 1	DSI 4	376500	1882.5	23.50	24.00	1.122	-	1.000	0.08	0.332	0.373
	FR1 n25	20M	QPSK	50	28	DFT-15	Left Side	15mm	Ant 1	DSI 4	376500	1882.5	23.50	24.00	1.122	-	1.000	-0.11	0.388	0.435
	FR1 n25	20M	QPSK	50	28	DFT-15	Top Side	10mm	Ant 1	DSI 4	376500	1882.5	23.50	24.00	1.122	-	1.000	0.05	0.707	0.793
	FR1 n25	20M	QPSK	1	1	DFT-15	Back	0mm	Ant 2	DSI 6	376500	1882.5	23.48	24.00	1.127	-	1.000	0.19	1.720	1.939
	FR1 n25	20M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 2	DSI 6	376500	1882.5	23.48	24.00	1.127	-	1.000	-0.16	1.580	1.781
108	FR1 n25	20M	QPSK	50	28	DFT-15	Back	0mm	Ant 2	DSI 6	376500	1882.5	23.45	24.00	1.135	-	1.000	0.18	1.750	**1.986**
	FR1 n25	20M	QPSK	50	28	DFT-15	Bottom Side	0mm	Ant 2	DSI 6	376500	1882.5	23.45	24.00	1.135	-	1.000	-0.14	1.620	1.839
2300MHz																				
	LTE Band 30	10M	QPSK	1	25	-	Back	0mm	Ant 1	DSI 6	27710	2310	21.89	22.60	1.178	-	1.000	-0.08	1.220	1.437
	LTE Band 30	10M	QPSK	1	25	-	Left Side	0mm	Ant 1	DSI 6	27710	2310	21.89	22.60	1.178	-	1.000	-0.09	0.981	1.155
	LTE Band 30	10M	QPSK	1	25	-	Top Side	0mm	Ant 1	DSI 6	27710	2310	21.89	22.60	1.178	-	1.000	0.02	1.580	1.861
	LTE Band 30	10M	QPSK	1	25	-	Back	9mm	Ant 1	DSI 4	27710	2310	23.18	24.00	1.208	-	1.000	-0.08	0.281	0.339
	LTE Band 30	10M	QPSK	1	25	-	Left Side	15mm	Ant 1	DSI 4	27710	2310	23.18	24.00	1.208	-	1.000	-0.09	0.108	0.130
	LTE Band 30	10M	QPSK	1	25	-	Top Side	10mm	Ant 1	DSI 4	27710	2310	23.18	24.00	1.208	-	1.000	0.02	0.394	0.476
	LTE Band 30	10M	QPSK	25	12	-	Back	0mm	Ant 1	DSI 6	27710	2310	21.86	22.60	1.186	-	1.000	0.01	1.270	1.506
	LTE Band 30	10M	QPSK	25	12	-	Left Side	0mm	Ant 1	DSI 6	27710	2310	21.86	22.60	1.186	-	1.000	-0.16	1.010	1.198
109	LTE Band 30	10M	QPSK	25	12	-	Top Side	0mm	Ant 1	DSI 6	27710	2310	21.86	22.60	1.186	-	1.000	0.08	1.640	**1.945**
	LTE Band 30	10M	QPSK	25	12	-	Back	9mm	Ant 1	DSI 4	27710	2310	22.95	24.00	1.274	-	1.000	-0.08	0.278	0.354
	LTE Band 30	10M	QPSK	25	12	-	Left Side	15mm	Ant 1	DSI 4	27710	2310	22.95	24.00	1.274	-	1.000	-0.09	0.093	0.118
	LTE Band 30	10M	QPSK	25	12	-	Top Side	10mm	Ant 1	DSI 4	27710	2310	22.95	24.00	1.274	-	1.000	0.02	0.368	0.469
	FR1 n30	10M	QPSK	1	1	DFT-15	Front	0mm	Ant 1	DSI 6	462000	2310	19.20	20.50	1.349	-	1.000	0.13	1.320	1.781
	FR1 n30	10M	QPSK	1	1	DFT-15	Back	0mm	Ant 1	DSI 6	462000	2310	19.20	20.50	1.349	-	1.000	-0.14	1.230	1.659
	FR1 n30	10M	QPSK	1	1	DFT-15	Left Side	0mm	Ant 1	DSI 6	462000	2310	19.20	20.50	1.349	-	1.000	-0.09	1.010	1.362
110	FR1 n30	10M	QPSK	1	1	DFT-15	Top Side	0mm	Ant 1	DSI 6	462000	2310	19.20	20.50	1.349	-	1.000	0.01	1.440	**1.943**
	FR1 n30	10M	QPSK	1	1	DFT-15	Front	9mm	Ant 1	DSI 4	462000	2310	22.89	24.00	1.291	-	1.000	-0.13	0.353	0.456
	FR1 n30	10M	QPSK	1	1	DFT-15	Back	16mm	Ant 1	DSI 4	462000	2310	22.89	24.00	1.291	-	1.000	0.05	0.275	0.355
	FR1 n30	10M	QPSK	1	1	DFT-15	Left Side	15mm	Ant 1	DSI 4	462000	2310	22.89	24.00	1.291	-	1.000	0.02	0.240	0.310
	FR1 n30	10M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 1	DSI 4	462000	2310	22.89	24.00	1.291	-	1.000	0.19	0.566	0.731

	FR1 n30	10M	QPSK	25	14	DFT-15	Front	0mm	Ant 1	DSI 6	462000	2310	19.18	20.50	1.355	-	1.000	0.13	1.280	1.735
	FR1 n30	10M	QPSK	25	14	DFT-15	Back	0mm	Ant 1	DSI 6	462000	2310	19.18	20.50	1.355	-	1.000	-0.13	1.220	1.653
	FR1 n30	10M	QPSK	25	14	DFT-15	Left Side	0mm	Ant 1	DSI 6	462000	2310	19.18	20.50	1.355	-	1.000	0.13	0.985	1.335
	FR1 n30	10M	QPSK	25	14	DFT-15	Top Side	0mm	Ant 1	DSI 6	462000	2310	19.18	20.50	1.355	-	1.000	-0.15	1.370	1.857
	FR1 n30	10M	QPSK	25	14	DFT-15	Front	9mm	Ant 1	DSI 4	462000	2310	22.85	24.00	1.303	-	1.000	-0.13	0.350	0.456
	FR1 n30	10M	QPSK	25	14	DFT-15	Back	16mm	Ant 1	DSI 4	462000	2310	22.85	24.00	1.303	-	1.000	0.05	0.268	0.349
	FR1 n30	10M	QPSK	25	14	DFT-15	Left Side	15mm	Ant 1	DSI 4	462000	2310	22.85	24.00	1.303	-	1.000	0.02	0.236	0.308
	FR1 n30	10M	QPSK	25	14	DFT-15	Top Side	10mm	Ant 1	DSI 4	462000	2310	22.85	24.00	1.303	-	1.000	0.19	0.561	0.731
2600MHz																				
	LTE Band 7	20M	QPSK	1	49	-	Front	0mm	Ant 1	DSI 6	21100	2535	18.82	20.00	1.312	-	1.000	-0.13	0.715	0.938
	LTE Band 7	20M	QPSK	1	49	-	Back	0mm	Ant 1	DSI 6	21100	2535	18.82	20.00	1.312	-	1.000	-0.08	0.741	0.972
	LTE Band 7	20M	QPSK	1	49	-	Top Side	0mm	Ant 1	DSI 6	21100	2535	18.82	20.00	1.312	-	1.000	0.04	1.490	1.955
	LTE Band 7	20M	QPSK	1	49	-	Top Side	0mm	Ant 1	DSI 6	21100 +21298	2535 +2554.8	18.80	20.00	1.318	-	1.000	0.05	1.430	1.885
	LTE Band 7	20M	QPSK	1	49	-	Front	9mm	Ant 1	DSI 4	21100	2535	22.09	23.00	1.233	-	1.000	0.08	0.246	0.303
	LTE Band 7	20M	QPSK	1	49	-	Back	16mm	Ant 1	DSI 4	21100	2535	22.09	23.00	1.233	-	1.000	-0.16	0.198	0.244
	LTE Band 7	20M	QPSK	1	49	-	Top Side	10mm	Ant 1	DSI 4	21100	2535	22.09	23.00	1.233	-	1.000	-0.08	0.613	0.756
	LTE Band 7	20M	QPSK	50	24	-	Front	0mm	Ant 1	DSI 6	21100	2535	18.80	20.00	1.318	-	1.000	-0.05	0.725	0.956
	LTE Band 7	20M	QPSK	50	24	-	Back	0mm	Ant 1	DSI 6	21100	2535	18.80	20.00	1.318	-	1.000	0.03	0.744	0.981
	LTE Band 7	20M	QPSK	50	24	-	Top Side	0mm	Ant 1	DSI 6	21100	2535	18.80	20.00	1.318	-	1.000	-0.03	1.410	1.859
	LTE Band 7	20M	QPSK	50	24	-	Front	9mm	Ant 1	DSI 4	21100	2535	22.06	23.00	1.242	-	1.000	0.08	0.219	0.272
	LTE Band 7	20M	QPSK	50	24	-	Back	16mm	Ant 1	DSI 4	21100	2535	22.06	23.00	1.242	-	1.000	-0.16	0.153	0.190
	LTE Band 7	20M	QPSK	50	24	-	Top Side	10mm	Ant 1	DSI 4	21100	2535	22.06	23.00	1.242	-	1.000	-0.08	0.502	0.623
	LTE Band 7	20M	QPSK	1	49	-	Front	0mm	Ant 2	DSI 6	21100	2535	21.83	22.60	1.194	-	1.000	0.03	1.250	1.492
111	LTE Band 7	20M	QPSK	1	49	-	Back	0mm	Ant 2	DSI 6	21100	2535	21.83	22.60	1.194	-	1.000	0.05	1.670	**1.994**
	LTE Band 7C	20M	QPSK	1	49	-	Back	0mm	Ant 2	DSI 6	21100 +21298	2535 +2554.8	21.79	22.60	1.205	-	1.000	0.17	1.630	1.964
	LTE Band 7	20M	QPSK	1	49	-	Front	10mm	Ant 2	DSI 4	21100	2535	23.35	24.00	1.161	-	1.000	-0.11	0.324	0.376
	LTE Band 7	20M	QPSK	1	49	-	Back	15mm	Ant 2	DSI 4	20850	2510	23.15	24.00	1.216	-	1.000	0.09	0.189	0.230
	LTE Band 7	20M	QPSK	50	24	-	Front	0mm	Ant 2	DSI 6	21100	2535	21.82	22.60	1.197	-	1.000	0.09	1.260	1.508
	LTE Band 7	20M	QPSK	50	24	-	Back	0mm	Ant 2	DSI 6	21100	2535	21.82	22.60	1.197	-	1.000	-0.16	1.590	1.903
	LTE Band 7	20M	QPSK	50	24	-	Front	10mm	Ant 2	DSI 4	21100	2535	23.34	24.00	1.164	-	1.000	-0.11	0.239	0.278
	LTE Band 7	20M	QPSK	50	24	-	Back	15mm	Ant 2	DSI 4	20850	2510	23.12	24.00	1.225	-	1.000	0.09	0.142	0.174
	LTE Band 41	20M	QPSK	1	49	-	Back	0mm	Ant 1	DSI 6	40620	2593	21.41	22.20	1.199	62.9	1.006	-0.07	0.956	1.154
	LTE Band 41	20M	QPSK	1	49	-	Top Side	0mm	Ant 1	DSI 6	40620	2593	21.41	22.20	1.199	62.9	1.006	-0.01	1.490	1.798
112	LTE Band 41	20M	QPSK	1	49	-	Top Side	0mm	Ant 1	DSI 6	39750	2506	21.10	22.20	1.288	62.9	1.006	-0.07	1.540	**1.996**
	LTE Band 41C	20M	QPSK	1	49	-	Top Side	0mm	Ant 1	DSI 6	39750 +39948	2506 +2525.8	21.23	22.20	1.250	62.9	1.006	0.03	1.480	1.861
	LTE Band 41	20M	QPSK	1	49	-	Top Side	0mm	Ant 1	DSI 6	40185	2549.5	21.32	22.20	1.225	62.9	1.006	0.18	1.350	1.663
	LTE Band 41	20M	QPSK	1	49	-	Top Side	0mm	Ant 1	DSI 6	41055	2636.5	21.13	22.20	1.279	62.9	1.006	-0.07	1.180	1.519
	LTE Band 41	20M	QPSK	1	49	-	Top Side	0mm	Ant 1	DSI 6	41490	2680	21.22	22.20	1.253	62.9	1.006	-0.11	1.060	1.336
	LTE Band 41_PC2	20M	QPSK	1	49	-	Top Side	0mm	Ant 1	DSI 6	39750	2506	22.59	23.80	1.321	42.9	1.009	0.08	1.430	1.906
	LTE Band 41	20M	QPSK	1	49	-	Back	16mm	Ant 1	DSI 4	40620	2593	21.86	23.00	1.300	62.9	1.006	0.12	0.169	0.221
	LTE Band 41	20M	QPSK	1	49	-	Top Side	10mm	Ant 1	DSI 4	39750	2506	21.68	23.00	1.355	62.9	1.006	0.12	0.434	0.592
	LTE Band 41	20M	QPSK	50	24	-	Back	0mm	Ant 1	DSI 6	40620	2593	21.39	22.20	1.205	62.9	1.006	-0.17	0.942	1.142
	LTE Band 41	20M	QPSK	50	24	-	Top Side	0mm	Ant 1	DSI 6	40620	2593	21.39	22.20	1.205	62.9	1.006	-0.01	1.460	1.770
	LTE Band 41	20M	QPSK	50	24	-	Top Side	0mm	Ant 1	DSI 6	39750	2506	21.06	22.20	1.300	62.9	1.006	-0.07	1.510	1.975
	LTE Band 41	20M	QPSK	50	24	-	Top Side	0mm	Ant 1	DSI 6	40185	2549.5	21.30	22.20	1.230	62.9	1.006	0.18	1.300	1.609
	LTE Band 41	20M	QPSK	50	24	-	Top Side	0mm	Ant 1	DSI 6	41055	2636.5	21.11	22.20	1.285	62.9	1.006	-0.07	1.120	1.448
	LTE Band 41	20M	QPSK	50	24	-	Top Side	0mm	Ant 1	DSI 6	41490	2680	21.20	22.20	1.259	62.9	1.006	-0.11	1.040	1.317
	LTE Band 41	20M	QPSK	50	24	-	Back	16mm	Ant 1	DSI 4	40620	2593	21.84	23.00	1.306	62.9	1.006	0.12	0.124	0.163
	LTE Band 41	20M	QPSK	50	24	-	Top Side	10mm	Ant 1	DSI 4	39750	2506	21.66	23.00	1.361	39750	2506	21.66	0.378	0.518
	LTE Band 41	20M	QPSK	100	0	-	Top Side	0mm	Ant 1	DSI 6	40620	2593	21.37	22.20	1.211	62.9	1.006	0.06	1.440	1.754
	LTE Band 41	20M	QPSK	1	49	-	Back	0mm	Ant 2	DSI 6	40620	2593	23.01	24.00	1.256	62.9	1.006	0.03	1.570	1.984
	LTE Band 41C	20M	QPSK	1	49	-	Back	0mm	Ant 2	DSI 6	40620 +40818	2593 +2612.8	23.00	24.00	1.259	62.9	1.006	0.08	1.530	1.938
	LTE Band 41	20M	QPSK	1	49	-	Back	0mm	Ant 2	DSI 6	39750	2506	22.80	24.00	1.318	62.9	1.006	0.01	1.410	1.870
	LTE Band 41	20M	QPSK	1	49	-	Back	0mm	Ant 2	DSI 6	40185	2549.5	22.84	24.00	1.306	62.9	1.006	-0.11	1.430	1.879
	LTE Band 41	20M	QPSK	1	49	-	Back	0mm	Ant 2	DSI 6	41055	2636.5	22.64	24.00	1.368	62.9	1.006	-0.15	1.380	1.899

	LTE Band 41	20M	QPSK	1	49	-	Back	0mm	Ant 2	DSI 6	41490	2680	22.74	24.00	1.337	62.9	1.006	0.14	1.410	1.896
	LTE Band 41_PC2	20M	QPSK	1	49	-	Back	0mm	Ant 2	DSI 6	40620	2593	24.61	25.50	1.227	42.9	1.009	0.07	1.510	1.870
	LTE Band 41	20M	QPSK	1	49	-	Back	15mm	Ant 2	DSI 4	40620	2593	23.01	24.00	1.256	62.9	1.006	0.03	0.137	0.173
	LTE Band 41	20M	QPSK	50	24	-	Back	0mm	Ant 2	DSI 6	40620	2593	22.99	24.00	1.262	62.9	1.006	0.12	1.530	1.942
	LTE Band 41	20M	QPSK	50	24	-	Back	0mm	Ant 2	DSI 6	39750	2506	22.78	24.00	1.324	62.9	1.006	0.01	1.370	1.825
	LTE Band 41	20M	QPSK	50	24	-	Back	0mm	Ant 2	DSI 6	40185	2549.5	22.81	24.00	1.315	62.9	1.006	-0.11	1.400	1.852
	LTE Band 41	20M	QPSK	50	24	-	Back	0mm	Ant 2	DSI 6	41055	2636.5	22.62	24.00	1.374	62.9	1.006	-0.15	1.330	1.838
	LTE Band 41	20M	QPSK	50	24	-	Back	0mm	Ant 2	DSI 6	41490	2680	22.71	24.00	1.346	62.9	1.006	0.14	1.350	1.828
	LTE Band 41	20M	QPSK	50	24	-	Back	15mm	Ant 2	DSI 4	40620	2593	22.99	24.00	1.262	62.9	1.006	0.03	0.108	0.137
	LTE Band 41	20M	QPSK	100	0	-	Back	0mm	Ant 2	DSI 6	40620	2593	22.95	24.00	1.274	62.9	1.006	0.02	1.510	1.935
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	0mm	Ant 1	DSI 6	507000	2535	18.08	19.00	1.236	-	1.000	0.17	0.997	1.232
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	0mm	Ant 1	DSI 6	507000	2535	18.08	19.00	1.236	-	1.000	-0.03	1.370	1.693
113	FR1 n7	40M	QPSK	1	1	DFT-15	Top Side	0mm	Ant 1	DSI 6	507000	2535	18.08	19.00	1.236	-	1.000	0.06	1.610	**1.990**
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	9mm	Ant 1	DSI 4	507000	2535	23.15	24.00	1.216	-	1.000	0.11	0.323	0.393
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	16mm	Ant 1	DSI 4	507000	2535	23.15	24.00	1.216	-	1.000	-0.15	0.242	0.294
	FR1 n7	40M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 1	DSI 4	507000	2535	23.15	24.00	1.216	-	1.000	-0.11	0.855	1.040
	FR1 n7	40M	QPSK	108	54	DFT-15	Front	0mm	Ant 1	DSI 6	507000	2535	18.06	19.00	1.242	-	1.000	0	0.973	1.208
	FR1 n7	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 1	DSI 6	507000	2535	18.06	19.00	1.242	-	1.000	0.1	1.330	1.651
	FR1 n7	40M	QPSK	108	54	DFT-15	Top Side	0mm	Ant 1	DSI 6	507000	2535	18.06	19.00	1.242	-	1.000	0.02	1.560	1.937
	FR1 n7	40M	QPSK	108	54	DFT-15	Front	9mm	Ant 1	DSI 4	507000	2535	23.12	24.00	1.225	-	1.000	0.11	0.307	0.376
	FR1 n7	40M	QPSK	108	54	DFT-15	Back	16mm	Ant 1	DSI 4	507000	2535	23.12	24.00	1.225	-	1.000	-0.15	0.232	0.284
	FR1 n7	40M	QPSK	108	54	DFT-15	Top Side	10mm	Ant 1	DSI 4	507000	2535	23.12	24.00	1.225	-	1.000	-0.11	0.836	1.024
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	0mm	Ant 0	DSI 6	518598	2592.99	17.57	19.00	1.390	-	1.000	-0.04	0.634	0.881
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 0	DSI 6	518598	2592.99	17.57	19.00	1.390	-	1.000	-0.03	0.872	1.212
	FR1 n41	100M	QPSK	1	1	DFT-30	Left Side	0mm	Ant 0	DSI 6	518598	2592.99	17.57	19.00	1.390	-	1.000	-0.06	1.640	2.280
	FR1 n41	100M	QPSK	1	1	DFT-30	Bottom Side	0mm	Ant 0	DSI 6	518598	2592.99	17.57	19.00	1.390	-	1.000	0.09	1.070	1.487
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 0	DSI 4	518598	2592.99	22.62	24.00	1.374	-	1.000	0.18	0.167	0.229
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	16mm	Ant 0	DSI 4	518598	2592.99	22.62	24.00	1.374	-	1.000	-0.06	0.122	0.168
	FR1 n41	100M	QPSK	1	1	DFT-30	Left Side	12mm	Ant 0	DSI 4	518598	2592.99	22.62	24.00	1.374	-	1.000	0.02	0.300	0.412
	FR1 n41	100M	QPSK	1	1	DFT-30	Bottom Side	13mm	Ant 0	DSI 4	518598	2592.99	22.62	24.00	1.374	-	1.000	0.02	0.183	0.251
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	0mm	Ant 0	DSI 6	518598	2592.99	17.55	19.00	1.396	-	1.000	-0.19	0.640	0.894
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 0	DSI 6	518598	2592.99	17.55	19.00	1.396	-	1.000	0.08	0.888	1.240
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	0mm	Ant 0	DSI 6	518598	2592.99	17.55	19.00	1.396	-	1.000	0.01	1.680	2.346
	FR1 n41	100M	QPSK	135	69	DFT-30	Bottom Side	0mm	Ant 0	DSI 6	518598	2592.99	17.55	19.00	1.396	-	1.000	-0.14	1.110	1.550
114	FR1 n41_PC2	100M	QPSK	135	69	DFT-30	Left Side	0mm	Ant 0	DSI 6	518598	2592.99	20.53	22.00	1.403	50	1.000	0.01	1.810	**2.539**
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 0	DSI 4	518598	2592.99	22.60	24.00	1.380	-	1.000	0.19	0.123	0.170
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	16mm	Ant 0	DSI 4	518598	2592.99	22.60	24.00	1.380	-	1.000	0.11	0.107	0.148
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	12mm	Ant 0	DSI 4	518598	2592.99	22.60	24.00	1.380	-	1.000	-0.19	0.266	0.367
	FR1 n41	100M	QPSK	135	69	DFT-30	Bottom Side	13mm	Ant 0	DSI 4	518598	2592.99	22.60	24.00	1.380	-	1.000	-0.06	0.192	0.265
	FR1 n41	100M	QPSK	270	0	DFT-30	Left Side	0mm	Ant 0	DSI 6	518598	2592.99	17.52	19.00	1.406	-	1.000	-0.11	1.610	2.264
	FR1 n41	100M	QPSK	270	0	DFT-30	Bottom Side	0mm	Ant 0	DSI 6	518598	2592.99	17.52	19.00	1.406	-	1.000	0.04	1.050	1.476
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	0mm	Ant 1	DSI 6	518598	2592.99	18.55	19.50	1.245	-	1.000	0.13	0.896	1.115
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 1	DSI 6	518598	2592.99	18.55	19.50	1.245	-	1.000	-0.11	1.170	1.456
	FR1 n41	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 1	DSI 6	518598	2592.99	18.55	19.50	1.245	-	1.000	0.13	1.600	1.991
	FR1 n41_PC2	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 1	DSI 6	518598	2592.99	21.61	22.50	1.227	50	1.000	0.13	1.620	1.988
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	9mm	Ant 1	DSI 4	518598	2592.99	22.99	24.00	1.262	-	1.000	-0.1	0.299	0.377
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	16mm	Ant 1	DSI 4	518598	2592.99	22.99	24.00	1.262	-	1.000	0.03	0.236	0.298
	FR1 n41	100M	QPSK	1	1	DFT-30	Top Side	10mm	Ant 1	DSI 4	518598	2592.99	22.99	24.00	1.262	-	1.000	0.05	0.788	0.994
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	0mm	Ant 1	DSI 6	518598	2592.99	18.53	19.50	1.250	-	1.000	-0.1	0.871	1.089
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 1	DSI 6	518598	2592.99	18.53	19.50	1.250	-	1.000	0.07	1.130	1.413
	FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 1	DSI 6	518598	2592.99	18.53	19.50	1.250	-	1.000	-0.11	1.570	1.963
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	9mm	Ant 1	DSI 4	518598	2592.99	22.96	24.00	1.271	-	1.000	-0.1	0.279	0.354
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	16mm	Ant 1	DSI 4	518598	2592.99	22.96	24.00	1.271	-	1.000	0.03	0.226	0.287
	FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 1	DSI 4	518598	2592.99	22.96	24.00	1.271	-	1.000	0.05	0.768	0.976
	FR1 n41	100M	QPSK	270	0	DFT-30	Top Side	0mm	Ant 1	DSI 6	518598	2592.99	18.50	19.50	1.259	-	1.000	-0.12	1.580	1.989
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	0mm	Ant 2	DSI 6	518598	2592.99	20.66	22.00	1.361	-	1.000	-0.04	1.180	1.607

	FR1 n41	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 2	DSI 6	518598	2592.99	20.66	22.00	1.361	-	1.000	-0.08	1.410	1.920
	FR1 n41	100M	QPSK	1	1	DFT-30	Bottom Side	0mm	Ant 2	DSI 6	518598	2592.99	20.66	22.00	1.361	-	1.000	0.16	1.040	1.416
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 2	DSI 4	518598	2592.99	22.88	24.00	1.294	-	1.000	-0.04	0.253	0.327
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 2	DSI 4	518598	2592.99	22.88	24.00	1.294	-	1.000	-0.08	0.143	0.185
	FR1 n41	100M	QPSK	1	1	DFT-30	Bottom Side	13mm	Ant 2	DSI 4	518598	2592.99	22.88	24.00	1.294	-	1.000	0.16	0.154	0.199
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	0mm	Ant 2	DSI 6	518598	2592.99	20.64	22.00	1.368	-	1.000	0.07	1.260	1.723
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 2	DSI 6	518598	2592.99	20.64	22.00	1.368	-	1.000	0.02	1.430	1.956
	FR1 n41	100M	QPSK	135	69	DFT-30	Bottom Side	0mm	Ant 2	DSI 6	518598	2592.99	20.64	22.00	1.368	-	1.000	0.15	1.080	1.477
	FR1 n41_PC2	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 2	DSI 6	518598	2592.99	23.61	25.00	1.377	50	1.000	0.02	1.410	1.942
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 2	DSI 4	518598	2592.99	22.86	24.00	1.300	-	1.000	-0.04	0.265	0.345
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 2	DSI 4	518598	2592.99	22.86	24.00	1.300	-	1.000	-0.08	0.151	0.196
	FR1 n41	100M	QPSK	135	69	DFT-30	Bottom Side	13mm	Ant 2	DSI 4	518598	2592.99	22.86	24.00	1.300	-	1.000	0.16	0.161	0.209
	FR1 n41	100M	QPSK	270	0	DFT-30	Front	0mm	Ant 2	DSI 6	518598	2592.99	20.62	22.00	1.374	-	1.000	0.03	1.210	1.663
	FR1 n41	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 2	DSI 6	518598	2592.99	20.62	22.00	1.374	-	1.000	0.08	1.370	1.882
	FR1 n41	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 4	DSI 6	518598	2592.99	20.39	21.00	1.151	-	1.000	-0.02	1.590	1.830
	FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 4	DSI 6	518598	2592.99	20.36	21.00	1.159	-	1.000	-0.08	1.640	1.900
	FR1 n41_PC2	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 4	DSI 6	518598	2592.99	23.37	24.00	1.156	50	1.000	-0.04	1.620	1.873
	FR1 n41	100M	QPSK	270	0	DFT-30	Top Side	0mm	Ant 4	DSI 6	518598	2592.99	20.34	21.00	1.164	-	1.000	-0.11	1.560	1.816
3500/3700/3900MHz																				
	LTE Band 48	20M	QPSK	1	49	-	Back	0mm	Ant 3	DSI 6	55340	3560	20.55	21.00	1.109	62.9	1.006	0.15	1.470	1.640
	LTE Band 48	20M	QPSK	1	49	-	Back	0mm	Ant 3	DSI 6	55830	3609	20.50	21.00	1.122	62.9	1.006	0.14	1.420	1.603
	LTE Band 48	20M	QPSK	1	49	-	Back	0mm	Ant 3	DSI 6	56150	3641	20.45	21.00	1.135	62.9	1.006	-0.04	1.380	1.576
	LTE Band 48	20M	QPSK	1	49	-	Back	0mm	Ant 3	DSI 6	56640	3690	20.43	21.00	1.140	62.9	1.006	-0.02	1.430	1.640
	LTE Band 48	20M	QPSK	1	49	-	Left Side	0mm	Ant 3	DSI 4	55340	3560	20.55	21.00	1.109	62.9	1.006	-0.15	1.350	1.506
	LTE Band 48	20M	QPSK	1	49	-	Left Side	0mm	Ant 3	DSI 4	55830	3609	20.50	21.00	1.122	62.9	1.006	-0.16	1.260	1.422
	LTE Band 48	20M	QPSK	1	49	-	Left Side	0mm	Ant 3	DSI 4	56150	3641	20.45	21.00	1.135	62.9	1.006	-0.18	1.210	1.382
	LTE Band 48	20M	QPSK	1	49	-	Left Side	0mm	Ant 3	DSI 4	56640	3690	20.43	21.00	1.140	62.9	1.006	0.03	1.310	1.503
	LTE Band 48	20M	QPSK	1	49	-	Back	9mm	Ant 3	DSI 4	55340	3560	20.55	21.00	1.109	62.9	1.006	0.15	0.144	0.161
	LTE Band 48	20M	QPSK	50	24	-	Back	0mm	Ant 3	DSI 6	55340	3560	19.80	21.00	1.318	62.9	1.006	0.06	1.500	1.989
	LTE Band 48C	20M	QPSK	1	99	-	Back	0mm	Ant 3	DSI 6	55340 +55538	3560 +3579.8	20.28	21.00	1.180	62.9	1.006	0.03	1.360	1.615
	LTE Band 48	20M	QPSK	50	24	-	Back	0mm	Ant 3	DSI 6	55830	3609	19.68	21.00	1.355	62.9	1.006	-0.09	1.430	1.950
	LTE Band 48	20M	QPSK	50	24	-	Back	0mm	Ant 3	DSI 6	56150	3641	19.70	21.00	1.349	62.9	1.006	0.14	1.340	1.818
	LTE Band 48	20M	QPSK	50	24	-	Back	0mm	Ant 3	DSI 6	56640	3690	19.64	21.00	1.368	62.9	1.006	0.08	1.390	1.913
	LTE Band 48	20M	QPSK	50	24	-	Left Side	0mm	Ant 3	DSI 4	55340	3560	19.80	21.00	1.318	62.9	1.006	0.05	1.460	1.936
	LTE Band 48	20M	QPSK	50	24	-	Left Side	0mm	Ant 3	DSI 4	55830	3609	19.68	21.00	1.355	62.9	1.006	0.1	1.270	1.731
	LTE Band 48	20M	QPSK	50	24	-	Left Side	0mm	Ant 3	DSI 4	56150	3641	19.70	21.00	1.349	62.9	1.006	-0.13	1.250	1.696
	LTE Band 48	20M	QPSK	50	24	-	Left Side	0mm	Ant 3	DSI 4	56640	3690	19.64	21.00	1.368	62.9	1.006	-0.09	1.330	1.830
	LTE Band 48	20M	QPSK	50	24	-	Back	9mm	Ant 3	DSI 4	55340	3560	19.80	21.00	1.318	62.9	1.006	0.15	0.143	0.190
	LTE Band 48	20M	QPSK	100	0	-	Back	0mm	Ant 3	DSI 6	55340	3560	19.78	21.00	1.324	62.9	1.006	0.03	1.450	1.932
	LTE Band 48	20M	QPSK	100	0	-	Left Side	0mm	Ant 3	DSI 4	55340	3560	19.78	21.00	1.324	62.9	1.006	0.12	1.410	1.879
115	LTE Band 48	20M	QPSK	1	49	-	Back	0mm	Ant 8	DSI 6	55340	3560	18.59	19.30	1.178	62.9	1.006	0.08	1.680	**1.990**
	LTE Band 48C	20M	QPSK	1	99	-	Back	0mm	Ant 8	DSI 6	55340 +55538	3560 +2579.8	18.13	19.30	1.309	62.9	1.006	-0.12	1.500	1.976
	LTE Band 48	20M	QPSK	1	49	-	Back	0mm	Ant 8	DSI 6	55830	3609	18.48	19.30	1.208	62.9	1.006	-0.02	1.450	1.762
	LTE Band 48	20M	QPSK	1	49	-	Back	0mm	Ant 8	DSI 6	56150	3641	18.45	19.30	1.216	62.9	1.006	-0.06	1.350	1.652
	LTE Band 48	20M	QPSK	1	49	-	Back	0mm	Ant 8	DSI 6	56640	3690	18.57	19.30	1.183	62.9	1.006	0.12	1.270	1.511
	LTE Band 48	20M	QPSK	1	49	-	Back	9mm	Ant 8	DSI 4	55340	3560	19.55	20.00	1.109	62.9	1.006	0.11	1.140	1.272
	LTE Band 48	20M	QPSK	50	24	-	Back	0mm	Ant 8	DSI 6	55340	3560	17.78	19.00	1.324	62.9	1.006	0.04	1.450	1.932
	LTE Band 48	20M	QPSK	50	24	-	Back	0mm	Ant 8	DSI 6	55830	3609	17.72	19.00	1.343	62.9	1.006	0.09	1.260	1.702
	LTE Band 48	20M	QPSK	50	24	-	Back	0mm	Ant 8	DSI 6	56150	3641	17.68	19.00	1.355	62.9	1.006	0	1.200	1.636
	LTE Band 48	20M	QPSK	50	24	-	Back	0mm	Ant 8	DSI 6	56640	3690	17.55	19.00	1.396	62.9	1.006	0.13	1.120	1.573
	LTE Band 48	20M	QPSK	50	24	-	Back	9mm	Ant 8	DSI 4	55340	3560	17.71	19.00	1.346	62.9	1.006	0.11	1.020	1.381
	LTE Band 48	20M	QPSK	100	0	-	Back	0mm	Ant 8	DSI 6	55340	3560	17.74	19.00	1.337	62.9	1.006	0.07	1.420	1.909
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	0mm	Ant 3	DSI 6	641666	3624.99	18.23	19.00	1.194	-	1.000	0.1	1.570	1.875
116	FR1 n48	40M	QPSK	1	1	DFT-30	Left Side	0mm	Ant 3	DSI 4	641666	3624.99	18.66	19.50	1.213	-	1.000	-0.09	1.560	**1.893**
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	9mm	Ant 3	DSI 4	641666	3624.99	18.66	19.50	1.213	-	1.000	-0.07	0.421	0.511
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	0mm	Ant 3	DSI 6	641666	3624.99	18.21	19.00	1.199	-	1.000	0	1.550	1.859

	FR1 n48	40M	QPSK	50	28	DFT-30	Left Side	0mm	Ant 3	DSI 4	641666	3624.99	18.64	19.50	1.219	-	1.000	-0.09	1.530	1.865
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	9mm	Ant 3	DSI 4	641666	3624.99	18.64	19.50	1.219	-	1.000	-0.1	0.417	0.508
	FR1 n48	40M	QPSK	100	0	DFT-30	Back	0mm	Ant 3	DSI 6	641666	3624.99	18.20	19.00	1.202	-	1.000	0.03	1.530	1.839
	FR1 n48	40M	QPSK	100	0	DFT-30	Left Side	0mm	Ant 3	DSI 4	641666	3624.99	18.63	19.50	1.222	-	1.000	0.12	1.500	1.833
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	0mm	Ant 8	DSI 6	641666	3624.99	17.05	18.00	1.245	-	1.000	-0.19	1.320	1.643
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	9mm	Ant 8	DSI 4	641666	3624.99	23.10	24.00	1.230	-	1.000	0.12	1.090	1.341
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	0mm	Ant 8	DSI 6	641666	3624.99	17.03	18.00	1.250	-	1.000	0.08	1.390	1.738
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	9mm	Ant 8	DSI 4	641666	3624.99	23.07	24.00	1.239	-	1.000	0.04	1.070	1.326
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 3	DSI 6	633332	3499.98	16.30	17.00	1.175	-	1.000	0.13	1.450	1.704
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	0mm	Ant 3	DSI 4	633332	3499.98	17.73	18.50	1.194	-	1.000	-0.08	1.370	1.636
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	9mm	Ant 3	DSI 4	633332	3499.98	17.73	18.50	1.194	-	1.000	0.02	0.257	0.307
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 3	DSI 6	633332	3499.98	16.28	17.00	1.180	-	1.000	-0.18	1.430	1.688
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	0mm	Ant 3	DSI 4	633332	3499.98	17.71	18.50	1.199	-	1.000	0.05	1.350	1.619
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	9mm	Ant 3	DSI 4	633332	3499.98	17.71	18.50	1.199	-	1.000	0.12	0.245	0.294
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 3	DSI 6	656000	3840	16.25	17.00	1.189	-	1.000	0.09	1.530	1.818
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	0mm	Ant 3	DSI 4	656000	3840	17.67	18.50	1.211	-	1.000	0.15	1.500	1.816
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	9mm	Ant 3	DSI 4	656000	3840	17.67	18.50	1.211	-	1.000	0.09	0.174	0.211
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 3	DSI 6	656000	3840	16.23	17.00	1.194	-	1.000	0.14	1.590	1.898
	FR1 n77_PC2	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 3	DSI 6	656000	3840	19.20	20.00	1.202	50	1.000	0.12	1.550	1.864
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	0mm	Ant 3	DSI 4	656000	3840	17.65	18.50	1.216	-	1.000	0.05	1.540	1.873
	FR1 n77_PC2	100M	QPSK	135	69	DFT-30	Left Side	0mm	Ant 3	DSI 4	656000	3840	20.65	21.50	1.216	50	1.000	0.05	1.510	1.836
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	9mm	Ant 3	DSI 4	656000	3840	17.65	18.50	1.216	-	1.000	-0.1	0.163	0.198
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 3	DSI 6	656000	3840	16.21	17.00	1.199	-	1.000	0.04	1.480	1.775
	FR1 n77	100M	QPSK	270	0	DFT-30	Left Side	0mm	Ant 3	DSI 4	656000	3840	17.63	18.50	1.222	-	1.000	0.11	1.450	1.772
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 7	DSI 6	633332	3499.98	17.53	18.50	1.250	-	1.000	0.14	0.491	0.614
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Side	0mm	Ant 7	DSI 6	633332	3499.98	17.53	18.50	1.250	-	1.000	0.08	1.050	1.313
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 7	DSI 6	633332	3499.98	17.53	18.50	1.250	-	1.000	-0.12	0.456	0.570
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	12mm	Ant 7	DSI 6	633332	3499.98	23.08	24.00	1.236	-	1.000	-0.02	0.221	0.273
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Side	14mm	Ant 7	DSI 6	633332	3499.98	23.08	24.00	1.236	-	1.000	-0.17	0.182	0.225
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	9mm	Ant 7	DSI 6	633332	3499.98	23.08	24.00	1.236	-	1.000	-0.19	0.323	0.399
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 7	DSI 6	633332	3499.98	17.51	18.50	1.256	-	1.000	-0.19	0.482	0.605
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Side	0mm	Ant 7	DSI 6	633332	3499.98	17.51	18.50	1.256	-	1.000	-0.02	1.020	1.281
	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 7	DSI 6	633332	3499.98	17.51	18.50	1.256	-	1.000	0.03	0.476	0.598
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	12mm	Ant 7	DSI 6	633332	3499.98	23.05	24.00	1.245	-	1.000	-0.06	0.246	0.306
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Side	14mm	Ant 7	DSI 6	633332	3499.98	23.05	24.00	1.245	-	1.000	-0.05	0.198	0.246
	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	9mm	Ant 7	DSI 6	633332	3499.98	23.05	24.00	1.245	-	1.000	0.03	0.337	0.419
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 7	DSI 6	656000	3840	17.51	18.50	1.256	-	1.000	0.15	0.406	0.510
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Side	0mm	Ant 7	DSI 6	656000	3840	17.51	18.50	1.256	-	1.000	-0.1	1.080	1.357
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 7	DSI 6	656000	3840	17.51	18.50	1.256	-	1.000	0.09	0.849	1.066
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	12mm	Ant 7	DSI 4	656000	3840	23.13	24.00	1.222	-	1.000	0.04	0.271	0.331
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Side	14mm	Ant 7	DSI 4	656000	3840	23.13	24.00	1.222	-	1.000	-0.08	0.221	0.270
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	9mm	Ant 7	DSI 4	656000	3840	23.13	24.00	1.222	-	1.000	-0.17	0.363	0.444
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 7	DSI 6	656000	3840	17.48	18.50	1.265	-	1.000	-0.15	0.392	0.496
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Side	0mm	Ant 7	DSI 6	656000	3840	17.48	18.50	1.265	-	1.000	0.05	1.140	1.442
	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 7	DSI 6	656000	3840	17.48	18.50	1.265	-	1.000	-0.14	0.863	1.091
	FR1 n77_PC2	100M	QPSK	135	69	DFT-30	Right Side	0mm	Ant 7	DSI 6	656000	3840	20.10	21.50	1.380	50	1.000	0.05	1.040	1.436
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	12mm	Ant 7	DSI 4	656000	3840	23.10	24.00	1.230	-	1.000	-0.18	0.315	0.388
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Side	14mm	Ant 7	DSI 4	656000	3840	23.10	24.00	1.230	-	1.000	-0.19	0.252	0.310
	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	9mm	Ant 7	DSI 4	656000	3840	23.10	24.00	1.230	-	1.000	0.16	0.363	0.447
	FR1 n77	100M	QPSK	270	0	DFT-30	Right Side	0mm	Ant 7	DSI 6	656000	3840	17.45	18.50	1.274	-	1.000	-0.01	1.070	1.363
	FR1 n77	100M	QPSK	270	0	DFT-30	Top Side	0mm	Ant 7	DSI 6	656000	3840	17.45	18.50	1.274	-	1.000	0.03	0.855	1.089
117	FR1 n77	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 8	DSI 6	633332	3499.98	16.48	17.00	1.127	-	1.000	0.08	1.740	**1.961**
	FR1 n77_PC2	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 8	DSI 6	633332	3499.98	19.38	20.00	1.153	50	1.000	0.04	1.670	1.926
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	0mm	Ant 8	DSI 4	633332	3499.98	23.48	24.00	1.127	-	1.000	-0.15	0.921	1.038
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 8	DSI 4	633332	3499.98	23.48	24.00	1.127	-	1.000	-0.12	0.978	1.102
	FR1 n77_PC2	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 8	DSI 4	633332	3499.98	26.47	27.00	1.130	50	1.000	-0.06	0.967	1.093

	FR1 n77	100M	QPSK	1	1	DFT-30	Back	9mm	Ant 8	DSI 4	633332	3499.98	23.48	24.00	1.127	-	1.000	-0.18	1.320	1.488
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 8	DSI 6	633332	3499.98	16.45	17.00	1.135	-	1.000	-0.18	1.660	1.884
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	0mm	Ant 8	DSI 4	633332	3499.98	23.46	24.00	1.132	-	1.000	0.11	0.918	1.040
	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 8	DSI 4	633332	3499.98	23.46	24.00	1.132	-	1.000	0.19	0.956	1.083
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	9mm	Ant 8	DSI 4	633332	3499.98	23.46	24.00	1.132	-	1.000	-0.18	1.290	1.461
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 8	DSI 6	656000	3840	16.20	17.00	1.202	-	1.000	0.04	1.280	1.539
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 8	DSI 4	656000	3840	23.13	24.00	1.222	-	1.000	0.07	0.644	0.787
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	9mm	Ant 8	DSI 4	656000	3840	23.13	24.00	1.222	-	1.000	0.17	1.180	1.442
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 8	DSI 6	656000	3840	16.18	17.00	1.208	-	1.000	-0.16	1.220	1.474
	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 8	DSI 4	656000	3840	23.10	24.00	1.230	-	1.000	-0.1	0.632	0.778
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	9mm	Ant 8	DSI 4	656000	3840	23.10	24.00	1.230	-	1.000	-0.07	1.060	1.304
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 8	DSI 6	656000	3840	16.16	17.00	1.213	-	1.000	0.16	1.230	1.492
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Side	0mm	Ant 9	DSI 4	633332	3499.98	16.75	17.50	1.189	-	1.000	-0.14	1.220	1.450
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Side	0mm	Ant 9	DSI 4	633332	3499.98	16.73	17.50	1.194	-	1.000	0.08	1.200	1.433
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Side	0mm	Ant 9	DSI 4	656000	3840	16.38	17.50	1.294	-	1.000	-0.11	1.460	1.890
	FR1 n77_PC2	100M	QPSK	1	1	DFT-30	Right Side	0mm	Ant 9	DSI 4	656000	3840	19.26	20.50	1.330	50	1.000	-0.09	1.410	1.876
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Side	0mm	Ant 9	DSI 4	656000	3840	16.34	17.50	1.306	-	1.000	-0.19	1.330	1.737
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Side	0mm	Ant 9	DSI 4	656000	3840	16.31	17.50	1.315	-	1.000	0.04	1.400	1.841

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)
2450MHz																
	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Front	0mm	Ant 4+6	Standalone	1	2412	21.89	23.50	1.449	97.86	1.022	0.03	0.986	1.460
	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Back	0mm	Ant 4+6	Standalone	1	2412	21.89	23.50	1.449	97.86	1.022	-0.06	0.844	1.250
	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Right Side	0mm	Ant 4+6	Standalone	1	2412	21.89	23.50	1.449	97.86	1.022	0.11	1.230	1.821
118	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Top Side	0mm	Ant 4+6	Standalone	1	2412	21.89	23.50	1.449	97.86	1.022	0.1	1.860	**2.754**
	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Top Side	0mm	Ant 4+6	Standalone	6	2437	21.75	23.00	1.334	97.86	1.022	-0.11	1.840	2.508
	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Top Side	0mm	Ant 4+6	Standalone	11	2462	21.74	23.00	1.337	97.86	1.022	0.06	1.890	2.582
	WLAN2.4GHz(DBS)	802.11b 1Mbps	Top Side	0mm	Ant 4+6	Standalone	1	2412	20.03	21.50	1.403	97.86	1.022	0.08	1.100	1.577
	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Front	0mm	Ant 4+6	Simultaneous	1	2412	16.85	18.50	1.462	97.86	1.022	0.05	0.322	0.481
	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Back	0mm	Ant 4+6	Simultaneous	1	2412	16.85	18.50	1.462	97.86	1.022	0.13	0.275	0.411
	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Right Side	0mm	Ant 4+6	Simultaneous	1	2412	16.85	18.50	1.462	97.86	1.022	0.07	0.396	0.592
	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Top Side	0mm	Ant 4+6	Simultaneous	1	2412	16.85	18.50	1.462	97.86	1.022	0.04	0.610	0.912
	WLAN2.4GHz(DBS)	802.11b 1Mbps	Front	0mm	Ant 4+6	Simultaneous	1	2412	14.38	16.00	1.452	97.86	1.022	0.03	0.182	0.270
	WLAN2.4GHz(DBS)	802.11b 1Mbps	Back	0mm	Ant 4+6	Simultaneous	1	2412	14.38	16.00	1.452	97.86	1.022	0.12	0.151	0.224
	WLAN2.4GHz(DBS)	802.11b 1Mbps	Right Side	0mm	Ant 4+6	Simultaneous	1	2412	14.38	16.00	1.452	97.86	1.022	0.04	0.221	0.328
	WLAN2.4GHz(DBS)	802.11b 1Mbps	Top Side	0mm	Ant 4+6	Simultaneous	1	2412	14.38	16.00	1.452	97.86	1.022	0.07	0.315	0.467
	WLAN2.4GHz	802.11b 1Mbps	Front	8mm	Ant 4+6	Standalone	1	2412	23.84	25.50	1.466	97.86	1.022	0.03	0.281	0.421
	WLAN2.4GHz	802.11b 1Mbps	Back	12mm	Ant 4+6	Standalone	1	2412	23.84	25.50	1.466	97.86	1.022	-0.06	0.296	0.443
	WLAN2.4GHz	802.11b 1Mbps	Right Side	14mm	Ant 4+6	Standalone	1	2412	23.84	25.50	1.466	97.86	1.022	0.11	0.164	0.246
	WLAN2.4GHz	802.11b 1Mbps	Top Side	9mm	Ant 4+6	Standalone	1	2412	23.84	25.50	1.466	97.86	1.022	0.1	0.649	0.972
5000MHz																
	WLAN5.2GHz(Non-DBS)	802.11a 6Mbps	Front	0mm	Ant 5+7	Standalone	40	5200	21.68	23.00	1.355	99.25	1.008	0.07	1.220	1.667
	WLAN5.2GHz(Non-DBS)	802.11a 6Mbps	Back	0mm	Ant 5+7	Standalone	40	5200	21.68	23.00	1.355	99.25	1.008	-0.09	0.622	0.850
	WLAN5GHz(Non-DBS)	802.11a 6Mbps	Right Side	0mm	Ant 5+7	Standalone	40	5200	21.68	23.00	1.355	99.25	1.008	-0.12	1.340	1.830
119	WLAN5.2GHz(Non-DBS)	802.11a 6Mbps	Top Side	0mm	Ant 5+7	Standalone	40	5200	21.68	23.00	1.355	99.25	1.008	0.05	1.560	**2.131**
	WLAN5.2GHz(Non-DBS)	802.11a 6Mbps	Top Side	0mm	Ant 5+7	Standalone	48	5240	21.22	23.00	1.507	99.25	1.008	-0.1	1.400	2.126
	WLAN5.2GHz(DBS)	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+7	Standalone	46	5230	20.74	22.00	1.337	100	1.000	0.09	1.250	1.671
	WLAN5.2GHz(Non-DBS)	802.11n-HT40 MCS0	Front	0mm	Ant 5+7	Simultaneous	46	5200	18.26	19.50	1.330	100	1.000	0.05	0.568	0.756
	WLAN5.2GHz(Non-DBS)	802.11n-HT40 MCS0	Back	0mm	Ant 5+7	Simultaneous	46	5200	18.26	19.50	1.330	100	1.000	0.14	0.303	0.403
	WLAN5.2GHz(Non-DBS)	802.11n-HT40 MCS0	Right Side	0mm	Ant 5+7	Simultaneous	46	5200	18.26	19.50	1.330	100	1.000	0.02	0.665	0.885
	WLAN5.2GHz(Non-DBS)	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+7	Simultaneous	46	5200	18.26	19.50	1.330	100	1.000	0.06	0.751	0.999
	WLAN5.2GHz(DBS)	802.11ac-VHT80 MCS0	Front	0mm	Ant 5+7	Simultaneous	42	5210	15.29	16.50	1.321	100	1.000	0.04	0.298	0.394
	WLAN5.2GHz(DBS)	802.11ac-VHT80 MCS0	Back	0mm	Ant 5+7	Simultaneous	42	5210	15.29	16.50	1.321	100	1.000	0.13	0.145	0.192
	WLAN5.2GHz(DBS)	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+7	Simultaneous	42	5210	15.29	16.50	1.321	100	1.000	0.08	0.322	0.425
	WLAN5.2GHz(DBS)	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+7	Simultaneous	42	5210	15.29	16.50	1.321	100	1.000	-0.18	0.353	0.466
	WLAN5.2GHz	802.11a 6Mbps	Front	8mm	Ant 5+7	Standalone	40	5200	21.68	23.00	1.355	99.25	1.008	0.07	0.196	0.268
	WLAN5.2GHz	802.11a 6Mbps	Back	12mm	Ant 5+7	Standalone	40	5200	21.68	23.00	1.355	99.25	1.008	-0.09	0.183	0.250
	WLAN5.2GHz	802.11a 6Mbps	Right Side	14mm	Ant 5+7	Standalone	40	5200	21.68	23.00	1.355	99.25	1.008	-0.12	0.132	0.180
	WLAN5.2GHz	802.11a 6Mbps	Top Side	9mm	Ant 5+7	Standalone	40	5200	21.68	23.00	1.355	99.25	1.008	0.05	0.115	0.157
	WLAN5.3GHz(Non-DBS)	802.11n-HT40 MCS0	Front	0mm	Ant 5+7	Standalone	54	5270	21.28	23.00	1.486	100	1.000	-0.17	0.988	1.468
	WLAN5.3GHz(Non-DBS)	802.11n-HT40 MCS0	Back	0mm	Ant 5+7	Standalone	54	5270	21.28	23.00	1.486	100	1.000	0.01	0.596	0.886
	WLAN5GHz(Non-DBS)	802.11n-HT40 MCS0	Right Side	0mm	Ant 5+7	Standalone	54	5270	21.28	23.00	1.486	100	1.000	-0.1	1.490	2.214
120	WLAN5.3GHz(Non-DBS)	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+7	Standalone	54	5270	21.28	23.00	1.486	100	1.000	0.18	1.510	**2.244**
	WLAN5.3GHz(Non-DBS)	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+7	Standalone	62	5310	18.37	20.00	1.455	100	1.000	0.19	1.350	1.965
	WLAN5.3GHz(Non-DBS)	802.11n-HT40 MCS0	Right Side	0mm	Ant 5+7	Standalone	62	5310	18.37	20.00	1.455	100	1.000	0.12	1.270	1.848
	WLAN5.3GHz(DBS)	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+7	Standalone	54	5270	20.19	22.00	1.517	100	1.000	0.07	1.200	1.820
	WLAN5.3GHz(Non-DBS)	802.11ac-VHT160 MCS0	Front	0mm	Ant 5+7	Simultaneous	50	5250	17.56	19.00	1.393	100	1.000	-0.09	0.432	0.602
	WLAN5.3GHz(Non-DBS)	802.11ac-VHT160 MCS0	Back	0mm	Ant 5+7	Simultaneous	50	5250	17.56	19.00	1.393	100	1.000	-0.12	0.268	0.373
	WLAN5.3GHz(Non-DBS)	802.11ac-VHT160 MCS0	Right Side	0mm	Ant 5+7	Simultaneous	50	5250	17.56	19.00	1.393	100	1.000	0.14	0.659	0.918
	WLAN5.3GHz(Non-DBS)	802.11ac-VHT160 MCS0	Top Side	0mm	Ant 5+7	Simultaneous	50	5250	17.56	19.00	1.393	100	1.000	0.05	0.670	0.933
	WLAN5.3GHz(DBS)	802.11ac-VHT160 MCS0	Front	0mm	Ant 5+7	Simultaneous	50	5250	14.56	16.00	1.393	100	1.000	0.06	0.224	0.312
	WLAN5.3GHz(DBS)	802.11ac-VHT160 MCS0	Back	0mm	Ant 5+7	Simultaneous	50	5250	14.56	16.00	1.393	100	1.000	0.11	0.132	0.184
	WLAN5.3GHz(DBS)	802.11ac-VHT160 MCS0	Right Side	0mm	Ant 5+7	Simultaneous	50	5250	14.56	16.00	1.393	100	1.000	-0.09	0.315	0.439

	WLAN5.3GHz(DBS)	802.11ac-VHT160 MCS0	Top Side	0mm	Ant 5+7	Simultaneous	50	5250	14.56	16.00	1.393	100	1.000	0.18	0.322	0.449
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	8mm	Ant 5+7	Standalone	54	5270	21.28	23.00	1.486	100	1.000	-0.17	0.214	0.318
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	12mm	Ant 5+7	Standalone	54	5270	21.28	23.00	1.486	100	1.000	0.01	0.180	0.267
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Side	14mm	Ant 5+7	Standalone	54	5270	21.28	23.00	1.486	100	1.000	-0.1	0.130	0.193
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	9mm	Ant 5+7	Standalone	54	5270	21.28	23.00	1.486	100	1.000	0.18	0.142	0.211
	WLAN5.5GHz(Non-DBS)	802.11a 6Mbps	Front	0mm	Ant 5+7	Standalone	140	5700	21.55	23.00	1.396	99.25	1.008	0.02	1.030	1.450
	WLAN5.5GHz(Non-DBS)	802.11a 6Mbps	Back	0mm	Ant 5+7	Standalone	140	5700	21.55	23.00	1.396	99.25	1.008	-0.03	0.709	0.998
121	WLAN5.5GHz(Non-DBS)	802.11a 6Mbps	Right Side	0mm	Ant 5+7	Standalone	140	5700	21.55	23.00	1.396	99.25	1.008	0.15	1.720	**2.421**
	WLAN5.5GHz(Non-DBS)	802.11a 6Mbps	Top Side	0mm	Ant 5+7	Standalone	140	5700	21.55	23.00	1.396	99.25	1.008	-0.12	1.640	2.308
	WLAN5.5GHz(Non-DBS)	802.11a 6Mbps	Right Side	0mm	Ant 5+7	Standalone	100	5500	21.32	23.00	1.472	99.25	1.008	-0.09	1.610	2.389
	WLAN5.5GHz(Non-DBS)	802.11a 6Mbps	Top Side	0mm	Ant 5+7	Standalone	100	5500	21.32	23.00	1.472	99.25	1.008	0.16	1.550	2.300
	WLAN5.5GHz(DBS)	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+7	Standalone	122	5610	19.72	21.00	1.343	100	1.000	0	1.280	1.719
	WLAN5.5GHz(Non-DBS)	802.11ac-VHT160 MCS0	Front	0mm	Ant 5+7	Simultaneous	114	5570	17.11	18.50	1.377	100	1.000	0.06	0.435	0.599
	WLAN5.5GHz(Non-DBS)	802.11ac-VHT160 MCS0	Back	0mm	Ant 5+7	Simultaneous	114	5570	17.11	18.50	1.377	100	1.000	0.12	0.301	0.415
	WLAN5.5GHz(Non-DBS)	802.11ac-VHT160 MCS0	Right Side	0mm	Ant 5+7	Simultaneous	114	5570	17.11	18.50	1.377	100	1.000	0.02	0.688	0.948
	WLAN5.5GHz(Non-DBS)	802.11ac-VHT160 MCS0	Top Side	0mm	Ant 5+7	Simultaneous	114	5570	17.11	18.50	1.377	100	1.000	0.05	0.654	0.901
	WLAN5.5GHz(DBS)	802.11ac-VHT160 MCS0	Front	0mm	Ant 5+7	Simultaneous	114	5570	14.05	15.50	1.396	100	1.000	0.08	0.204	0.285
	WLAN5.5GHz(DBS)	802.11ac-VHT160 MCS0	Back	0mm	Ant 5+7	Simultaneous	114	5570	14.05	15.50	1.396	100	1.000	0.15	0.145	0.202
	WLAN5.5GHz(DBS)	802.11ac-VHT160 MCS0	Right Side	0mm	Ant 5+7	Simultaneous	114	5570	14.05	15.50	1.396	100	1.000	0.01	0.343	0.479
	WLAN5.5GHz(DBS)	802.11ac-VHT160 MCS0	Top Side	0mm	Ant 5+7	Simultaneous	114	5570	14.05	15.50	1.396	100	1.000	0.03	0.326	0.455
	WLAN5.5GHz	802.11a 6Mbps	Front	8mm	Ant 5+7	Standalone	140	5700	21.55	23.00	1.396	99.25	1.008	0.02	0.197	0.277
	WLAN5.5GHz	802.11a 6Mbps	Back	12mm	Ant 5+7	Standalone	140	5700	21.55	23.00	1.396	99.25	1.008	-0.03	0.200	0.282
	WLAN5.5GHz	802.11a 6Mbps	Right Side	14mm	Ant 5+7	Standalone	140	5700	21.55	23.00	1.396	99.25	1.008	0.15	0.229	0.322
	WLAN5.5GHz	802.11a 6Mbps	Top Side	9mm	Ant 5+7	Standalone	140	5700	21.55	23.00	1.396	99.25	1.008	-0.12	0.201	0.283
	WLAN5.8GHz(Non-DBS)	802.11a 6Mbps	Front	0mm	Ant 5+7	Standalone	165	5825	21.50	23.00	1.413	99.25	1.008	0.13	1.040	1.481
	WLAN5.8GHz(Non-DBS)	802.11a 6Mbps	Back	0mm	Ant 5+7	Standalone	165	5825	21.50	23.00	1.413	99.25	1.008	-0.06	0.931	1.326
122	WLAN5.8GHz(Non-DBS)	802.11a 6Mbps	Right Side	0mm	Ant 5+7	Standalone	165	5825	21.50	23.00	1.413	99.25	1.008	0.18	2.100	**2.990**
	WLAN5.8GHz(Non-DBS)	802.11a 6Mbps	Top Side	0mm	Ant 5+7	Standalone	165	5825	21.50	23.00	1.413	99.25	1.008	0.07	1.780	2.534
	WLAN5.8GHz(Non-DBS)	802.11a 6Mbps	Right Side	0mm	Ant 5+7	Standalone	149	5745	21.43	23.00	1.435	99.25	1.008	-0.16	1.910	2.764
	WLAN5.8GHz(Non-DBS)	802.11a 6Mbps	Top Side	0mm	Ant 5+7	Standalone	149	5745	21.43	23.00	1.435	99.25	1.008	0.04	1.420	2.055
	WLAN5.8GHz(DBS)	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+7	Standalone	155	5775	19.04	20.50	1.400	100	1.000	0.05	1.240	1.735
	WLAN5.8GHz(Non-DBS)	802.11ac-VHT80 MCS0	Front	0mm	Ant 5+7	Simultaneous	155	5775	17.06	18.50	1.393	100	1.000	0.05	0.353	0.492
	WLAN5.8GHz(Non-DBS)	802.11ac-VHT80 MCS0	Back	0mm	Ant 5+7	Simultaneous	155	5775	17.06	18.50	1.393	100	1.000	0.11	0.311	0.433
	WLAN5.8GHz(Non-DBS)	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+7	Simultaneous	155	5775	17.06	18.50	1.393	100	1.000	-0.08	0.684	0.953
	WLAN5.8GHz(Non-DBS)	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+7	Simultaneous	155	5775	17.06	18.50	1.393	100	1.000	0.07	0.593	0.826
	WLAN5.8GHz(DBS)	802.11ac-VHT80 MCS0	Front	0mm	Ant 5+7	Simultaneous	155	5775	13.97	15.50	1.422	100	1.000	0.08	0.173	0.246
	WLAN5.8GHz(DBS)	802.11ac-VHT80 MCS0	Back	0mm	Ant 5+7	Simultaneous	155	5775	13.97	15.50	1.422	100	1.000	-0.11	0.154	0.219
	WLAN5.8GHz(DBS)	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+7	Simultaneous	155	5775	13.97	15.50	1.422	100	1.000	0	0.337	0.479
	WLAN5.8GHz(DBS)	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+7	Simultaneous	155	5775	13.97	15.50	1.422	100	1.000	0.07	0.288	0.410
	WLAN5.8GHz	802.11a 6Mbps	Front	8mm	Ant 5+7	Standalone	165	5825	22.53	24.00	1.403	99.25	1.008	0.13	0.220	0.311
	WLAN5.8GHz	802.11a 6Mbps	Back	12mm	Ant 5+7	Standalone	165	5825	22.53	24.00	1.403	99.25	1.008	-0.06	0.331	0.468
	WLAN5.8GHz	802.11a 6Mbps	Right Side	14mm	Ant 5+7	Standalone	165	5825	22.53	24.00	1.403	99.25	1.008	0.18	0.281	0.397
	WLAN5.8GHz	802.11a 6Mbps	Top Side	9mm	Ant 5+7	Standalone	165	5825	22.53	24.00	1.403	99.25	1.008	0.07	0.276	0.390

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	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 3	4233	846.6	24.59	25.00	1.099	-	1.000	0.07	0.868	1	0.954
2nd	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 3	4233	846.6	24.59	25.00	1.099	-	1.000	0.04	0.856	1.014	0.941
1st	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 2	DSI 3	1513	1752.6	20.97	21.50	1.130	-	1.000	0.07	1.100	1	1.243
2nd	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 2	DSI 3	1513	1752.6	20.97	21.50	1.130	-	1.000	0.09	1.060	1.038	1.198
1st	FR1 n25	20M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 2	DSI 3	376500	1882.5	21.36	22.00	1.159	-	1.000	0.03	1.070	1	1.240
2nd	FR1 n25	20M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 2	DSI 3	376500	1882.5	21.36	22.00	1.159	-	1.000	0.05	1.040	1.029	1.205
1st	LTE Band 7	20M	QPSK	1	49	-	Back	5mm	Ant 2	DSI 3	21100	2535	22.25	22.80	1.135	-	1.000	0.17	1.090	1	1.237
2nd	LTE Band 7	20M	QPSK	1	49	-	Back	5mm	Ant 2	DSI 3	21100	2535	22.25	22.80	1.135	-	1.000	0.12	1.040	1.048	1.180
1st	LTE Band 48	20M	QPSK	1	49	-	Left Side	5mm	Ant 3	DSI 3	55340	3560	18.93	19.40	1.114	62.9	1.006	0.03	0.882	1	0.989
2nd	LTE Band 48	20M	QPSK	1	49	-	Left Side	5mm	Ant 3	DSI 3	55340	3560	18.93	19.40	1.114	62.9	1.006	0.07	0.873	1.010	0.979
1st	FR1 n48	40M	QPSK	1	1	DFT-30	Back	5mm	Ant 8	DSI 3	641666	3624.99	13.10	14.00	1.230	-	1.000	0.06	0.800	1	0.984
2nd	FR1 n48	40M	QPSK	1	1	DFT-30	Back	5mm	Ant 8	DSI 3	641666	3624.99	13.10	14.00	1.230	-	1.000	0.02	0.795	1.006	0.978

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)	Ratio	Reported 1g SAR (W/kg)
1st	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Back	5mm	Ant 4+6	Standalone	6	2437	20.75	22.00	1.334	97.86	1.022	0.16	0.911	1	1.242
2nd	WLAN2.4GHz(Non-DBS)	802.11b 1Mbps	Back	5mm	Ant 4+6	Standalone	6	2437	20.75	22.00	1.334	97.86	1.022	0.11	0.909	1.002	1.239
1st	WLAN5.5GHz(Non-DBS)	802.11ac-VHT160 MCS0	Back	5mm	Ant 5+7	Standalone	114	5570	18.08	19.50	1.387	100	1.000	-0.17	0.831	1	1.152
2nd	WLAN5.5GHz(Non-DBS)	802.11ac-VHT160 MCS0	Back	5mm	Ant 5+7	Standalone	114	5570	18.08	19.50	1.387	100	1.000	-0.13	0.824	1.008	1.143
1st	WLAN5.8GHz(Non-DBS)	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+7	Standalone	155	5775	18.62	20.00	1.374	100	1.000	0.03	0.809	1	1.112
2nd	WLAN5.8GHz(Non-DBS)	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+7	Standalone	155	5775	18.62	20.00	1.374	100	1.000	0.08	0.804	1.006	1.105

<10g>

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)	Ratio	Reported 10g SAR (W/kg)
1st	WLAN5GHz(Non-DBS)	802.11a 6Mbps	Right Side	0mm	Ant 5+7	Standalone	165	5825	21.50	23.00	1.413	99.25	1.008	0.18	2.100	1	2.990
2nd	WLAN5GHz(Non-DBS)	802.11a 6Mbps	Right Side	0mm	Ant 5+7	Standalone	165	5825	21.50	23.00	1.413	99.25	1.008	0.15	2.060	1.019	2.933

General Note:

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

16.6 TDD LTE and NR Linearity Data Analysis

General Note:

This device support Power Class 2 and Power Class 3 operations for LTE Band 41/5GNR n77. The highest available duty cycle for Power Class 2 operation is 43.3% using UL-DL configuration 1. Per FCC Guidance based on the device behavior, all SAR tests were performed using Power Class 3. Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each LTE configuration and exposure condition combination, according to the highest time averaged power for all applicable uplink-downlink configurations in Power Class 2. When the reported SAR vs. output power is linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg for 1g and < 3.5 W/kg for 10g, Separate SAR testing for Power Class 2 is not required.

Head		
LTE Band 41_Ant 1(HPUE)-Linearity Data for DSI 2		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	18.50	20.10
Reported 1g SAR (W/kg)	0.884	0.862
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	44.81	44.31
Linearity SAR (W/kg)	0.874	
% deviation from expected linearity		-1.38%
LTE Band 41_Ant 2(HPUE)-Linearity Data for DSI 2		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	25.50
Reported 1g SAR (W/kg)	0.374	0.337
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	153.63
Linearity SAR (W/kg)	0.361	
% deviation from expected linearity		-6.74%
FR1 n41_Ant 0(HPUE)-Linearity Data for DSI 2		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	20.00	23.00
Reported 1g SAR (W/kg)	0.251	0.243
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	100.00	99.76
Linearity SAR (W/kg)	0.250	
% deviation from expected linearity		-2.96%
FR1 n41_Ant 1(HPUE)-Linearity Data for DSI 2		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	16.00	19.00
Reported 1g SAR (W/kg)	0.855	0.884
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	39.81	39.72
Linearity SAR (W/kg)	0.853	
% deviation from expected linearity		3.64%
FR1 n41_Ant 2(HPUE)-Linearity Data for DSI 2		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.309	0.295
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.308	
% deviation from expected linearity		-4.30%
FR1 n41_Ant 4(HPUE)-Linearity Data for DSI 2		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	18.00	21.00
Reported 1g SAR (W/kg)	0.890	0.882

Hopspot		
LTE Band 41_Ant 1(HPUE)-Linearity Data for DSI 3		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	17.80	19.40
Reported 1g SAR (W/kg)	0.834	0.815
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	38.14	37.71
Linearity SAR (W/kg)	0.825	
% deviation from expected linearity		-1.17%
LTE Band 41_Ant 2(HPUE)-Linearity Data for DSI 3		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	25.50
Reported 1g SAR (W/kg)	1.250	1.216
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	153.63
Linearity SAR (W/kg)	1.208	
% deviation from expected linearity		0.68%
FR1 n41_Ant 0(HPUE)-Linearity Data for DSI 3		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	16.50	19.50
Reported 1g SAR (W/kg)	0.848	0.848
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	44.67	44.56
Linearity SAR (W/kg)	0.846	
% deviation from expected linearity		0.24%
FR1 n41_Ant 1(HPUE)-Linearity Data for DSI 3		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	15.50	18.50
Reported 1g SAR (W/kg)	0.946	0.950
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	35.48	35.40
Linearity SAR (W/kg)	0.944	
% deviation from expected linearity		0.66%
FR1 n41_Ant 2(HPUE)-Linearity Data for DSI 3		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	22.50	25.50
Reported 1g SAR (W/kg)	1.236	1.228
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	177.83	177.41
Linearity SAR (W/kg)	1.233	
% deviation from expected linearity		-0.41%
FR1 n41_Ant 4(HPUE)-Linearity Data for DSI 3		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	17.50	20.50
Reported 1g SAR (W/kg)	0.795	0.787

Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	63.10	62.95
Linearity SAR (W/kg)	0.888	
% deviation from expected linearity		-0.66%

Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	56.23	56.10
Linearity SAR (W/kg)	0.793	
% deviation from expected linearity		-0.77%

FR1 n77_Ant 3(HPUE)-Linearity Data for DSI 2

	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	18.00	21.00
Reported 1g SAR (W/kg)	0.845	0.843
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	63.10	62.95
Linearity SAR (W/kg)	0.843	
% deviation from expected linearity		0.00%

FR1 n77_Ant 3(HPUE)-Linearity Data for DSI 3

	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	16.00	19.00
Reported 1g SAR (W/kg)	0.924	0.921
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	39.81	39.72
Linearity SAR (W/kg)	0.922	
% deviation from expected linearity		-0.09%

FR1 n77_Ant 7(HPUE)-Linearity Data for DSI 2

	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	19.00	22.00
Reported 1g SAR (W/kg)	0.871	0.864
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	79.43	79.24
Linearity SAR (W/kg)	0.869	
% deviation from expected linearity		-0.57%

FR1 n77_Ant 7(HPUE)-Linearity Data for DSI 3

	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	19.00	22.00
Reported 1g SAR (W/kg)	0.871	0.864
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	79.43	79.24
Linearity SAR (W/kg)	0.869	
% deviation from expected linearity		-0.57%

FR1 n77_Ant 8(HPUE)-Linearity Data for DSI 2

	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.619	0.617
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.618	
% deviation from expected linearity		-0.09%

FR1 n77_Ant 8(HPUE)-Linearity Data for DSI 3

	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	13.00	16.00
Reported 1g SAR (W/kg)	0.956	0.931
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	19.95	19.91
Linearity SAR (W/kg)	0.954	
% deviation from expected linearity		-2.38%

FR1 n77_Ant 9(HPUE)-Linearity Data for DSI 2

	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	19.50	22.50
Reported 1g SAR (W/kg)	0.432	0.423
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	89.13	88.91
Linearity SAR (W/kg)	0.431	
% deviation from expected linearity		-1.85%

FR1 n77_Ant 9(HPUE)-Linearity Data for DSI 3

	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	15.00	18.00
Reported 1g SAR (W/kg)	0.897	0.869
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	31.62	31.55
Linearity SAR (W/kg)	0.895	
% deviation from expected linearity		-2.89%

Body-worn		
LTE Band 41_Ant 1(HPUE)-Linearity Data for DSI 3		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	17.80	19.40
Reported 1g SAR (W/kg)	0.471	0.452
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	38.14	37.71
Linearity SAR (W/kg)	0.466	
% deviation from expected linearity		-2.94%
LTE Band 41_Ant 2(HPUE)-Linearity Data for DSI 3		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	25.50
Reported 1g SAR (W/kg)	1.250	1.216
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	153.63
Linearity SAR (W/kg)	1.208	
% deviation from expected linearity		0.68%
FR1 n41_Ant 0(HPUE)-Linearity Data for DSI 3		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	16.50	19.50
Reported 1g SAR (W/kg)	0.422	0.408
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	44.67	44.56
Linearity SAR (W/kg)	0.421	
% deviation from expected linearity		-3.09%
FR1 n41_Ant 1(HPUE)-Linearity Data for DSI 3		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	15.50	18.50
Reported 1g SAR (W/kg)	0.576	0.529
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	35.48	35.40
Linearity SAR (W/kg)	0.575	
% deviation from expected linearity		-7.94%
FR1 n41_Ant 2(HPUE)-Linearity Data for DSI 3		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	22.50	25.50
Reported 1g SAR (W/kg)	1.236	1.228
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	177.83	177.41
Linearity SAR (W/kg)	1.233	
% deviation from expected linearity		-0.41%
FR1 n41_Ant 4(HPUE)-Linearity Data for DSI 3		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	17.50	20.50
Reported 1g SAR (W/kg)	0.463	0.492
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	56.23	56.10
Linearity SAR (W/kg)	0.462	
% deviation from expected linearity		6.52%
FR1 n77_Ant 3(HPUE)-Linearity Data for DSI 3		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	16.00	19.00
Reported 1g SAR (W/kg)	0.924	0.921
Duty Cycle	100.00%	50.00%

Extremity		
LTE Band 41_Ant 1(HPUE)-Linearity Data for DSI 6		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	22.20	23.80
Reported 10g SAR (W/kg)	1.996	1.906
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	105.05	103.87
Linearity SAR (W/kg)	1.974	
% deviation from expected linearity		-3.42%
LTE Band 41_Ant 2(HPUE)-Linearity Data for DSI 6		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	25.50
Reported 10g SAR (W/kg)	1.984	1.870
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	153.63
Linearity SAR (W/kg)	1.917	
% deviation from expected linearity		-2.45%
FR1 n41_Ant 0(HPUE)-Linearity Data for DSI 6		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	19.00	22.00
Reported 10g SAR (W/kg)	2.346	2.539
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	79.43	79.24
Linearity SAR (W/kg)	2.340	
% deviation from expected linearity		8.48%
FR1 n41_Ant 1(HPUE)-Linearity Data for DSI 6		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	19.50	22.50
Reported 10g SAR (W/kg)	1.991	1.988
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	89.13	88.91
Linearity SAR (W/kg)	1.986	
% deviation from expected linearity		0.09%
FR1 n41_Ant 2(HPUE)-Linearity Data for DSI 6		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	22.00	25.00
Reported 10g SAR (W/kg)	1.956	1.942
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	158.49	158.11
Linearity SAR (W/kg)	1.951	
% deviation from expected linearity		-0.48%
FR1 n41_Ant 4(HPUE)-Linearity Data for DSI 6		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	21.00	24.00
Reported 10g SAR (W/kg)	1.900	1.873
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	125.89	125.59
Linearity SAR (W/kg)	1.895	
% deviation from expected linearity		-1.19%
FR1 n77_Ant 3(HPUE)-Linearity Data for DSI 6		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	17.00	20.00
Reported 10g SAR (W/kg)	1.898	1.864
Duty Cycle	100.00%	50.00%

Frame Averaged (mW)	39.81	39.72
Linearity SAR (W/kg)	0.922	
% deviation from expected linearity		-0.09%

Frame Averaged (mW)	50.12	50.00
Linearity SAR (W/kg)	1.894	
% deviation from expected linearity		-1.56%

FR1 n77_Ant 7(HPUE)-Linearity Data for DSI 3

	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	15.50	18.50
Reported 1g SAR (W/kg)	0.387	0.398
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	35.48	35.40
Linearity SAR (W/kg)	0.386	
% deviation from expected linearity		3.09%

FR1 n77_Ant 7(HPUE)-Linearity Data for DSI 6

	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	18.50	21.50
Reported 10g SAR (W/kg)	1.442	1.436
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	70.79	70.63
Linearity SAR (W/kg)	1.439	
% deviation from expected linearity		-0.18%

FR1 n77_Ant 8(HPUE)-Linearity Data for DSI 3

	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	13.00	16.00
Reported 1g SAR (W/kg)	0.956	0.931
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	19.95	19.91
Linearity SAR (W/kg)	0.954	
% deviation from expected linearity		-2.38%

FR1 n77_Ant 8(HPUE)-Linearity Data for DSI 6

	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	17.00	20.00
Reported 10g SAR (W/kg)	1.961	1.926
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	50.12	50.00
Linearity SAR (W/kg)	1.956	
% deviation from expected linearity		-1.55%

FR1 n77_Ant 9(HPUE)-Linearity Data for DSI 3

	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	15.00	18.00
Reported 1g SAR (W/kg)	0.507	0.482
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	31.62	31.55
Linearity SAR (W/kg)	0.506	
% deviation from expected linearity		-4.71%

FR1 n77_Ant 9(HPUE)-Linearity Data for DSI 6

	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	17.50	20.50
Reported 10g SAR (W/kg)	1.890	1.876
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	56.23	56.10
Linearity SAR (W/kg)	1.886	
% deviation from expected linearity		-0.51%

17. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product specific 10g SAR
1.	WWAN + WLAN2.4GHz	Yes	Yes	Yes	Yes
2.	WWAN + WLAN5GHz	Yes	Yes	Yes	Yes
3.	WWAN + WLAN6GHz	Yes	Yes	Yes	Yes
4.	WWAN + Bluetooth	Yes	Yes	Yes	Yes
5.	WLAN2.4GHz + WLAN5GHz	Yes	Yes	Yes	Yes
6.	WLAN2.4GHz + WLAN6GHz	Yes	Yes	Yes	Yes
7.	WLAN5GHz+ Bluetooth	Yes	Yes	Yes	Yes
8.	WLAN6GHz+ Bluetooth	Yes	Yes	Yes	Yes
9.	WWAN + WLAN2.4GHz + WLAN5GHz	Yes	Yes	Yes	Yes
10.	WWAN + WLAN2.4GHz + WLAN6GHz	Yes	Yes	Yes	Yes
11.	WWAN + WLAN5GHz+ Bluetooth	Yes	Yes	Yes	Yes
12.	WWAN + WLAN6GHz+ Bluetooth	Yes	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. The 2.4GHz/5GHz/6GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.
4. EUT will choose each GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
5. 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.
6. This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
7. This device 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WLAN Direct (GC/GO), and 5.3GHz / 5.5GHz supports WLAN Direct (GC only). WIFI 6E has no hotspot function.
8. The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
9. According to the EUT characteristic, two Bluetooth antennas cannot transmit simultaneously with each other.
10. WLAN 2.4GHz and Bluetooth share the same antenna, and they cannot transmit simultaneously each other.
11. According to the EUT characteristic, WLAN 5GHz/6GHz and Bluetooth can transmit simultaneously.
12. According to the EUT characteristic, WLAN 5GHz/6GHz and WLAN 2.4GHz can transmit simultaneously.
13. According to the EUT characteristic, WLAN 5GHz and WLAN 6GHz can't transmit simultaneously.
14. The maximum SAR summation is calculated based on the same configuration and test position.
15. 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.
16. 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. separation distance, mm), and the peak separation distance is determined from the square root of [(x1-x2)2 + (y1-y2)2 + (z1-z2)2], where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
    iii) If SPLSR ≤ 0.04 for 1g SAR and SPLSR≤ 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 ≤ 1.0,*

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

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

*x% * A + (100-x)% * B + C ≤ 1.0* (1)

x% * A + (100-x)% * B ≤ x% * max(A, B) + (100-x)% * max(A, B) ≤ max(A, B)

*x% * A + (100-x)% * B + C ≤ max(A, B) + C ≤ 1.0* (2)

If A + C ≤ 1.0 and B + C ≤ 1.0 can be proven, then “x% * A + (100-x)% * B + C ≤ 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 ≤ 1.0, and
iii. x% * A + (100-x)% * B ≤ 1.0
Note iii. is covered in Part 2 report; i. and ii. should be addressed in Part 2 report.

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

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

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:

Antenna Group 0 (AG0)	ANT1 & ANT3 & ANT4 & ANT7 & ANT8
Antenna Group 1 (AG1)	ANT0 & ANT2 & ANT9

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 & SAR1+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 summed SAR results and SPLSR detailed analysis please refer to section 17.3 / 17.4 / 17.5 / 17.6 /17.7 of this report. 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

General Note: The unit of SAR evaluation is W/kg.

<AG0 maximum report SAR>:

Test Position	Ant1	Ant3	Ant4	Ant7	Ant8	MAX
Right Cheek	0.895	0.873	0.502	0.316	0.562	**0.895**
Right Tilted	0.897	0.723	0.584	0.399	0.944	**0.944**
Left Cheek	0.596	0.362	0.674	0.786	0.406	**0.786**
Left Tilted	0.694	0.342	0.890	0.871	0.450	**0.890**

<AG1 maximum report SAR>:

Test Position	Ant0	Ant2	Ant9	MAX
Right Cheek	0.156	0.417	0.432	**0.432**
Right Tilted	0.165	0.220	0.191	**0.220**
Left Cheek	0.251	0.216	0.301	**0.301**
Left Tilted	0.115	0.184	0.358	**0.358**

<WLAN+BT Worse-case SAR>:

NO	1	2	3	4	5	6	DBS		Non-DBS				Wlan+BT worse case
Test Position	WLAN2.4GHz Ant 4+6 (No DBS Simultaneous)	WLAN2.4GHz Ant 4+6 (DBS Simultaneous)	WLAN5GHz Ant 5+7 (No DBS/DBS Simultaneous)	WLAN6GHz Ant 5+7	Bluetooth Ant 4	Bluetooth Ant 6	2+3 Summed 1g SAR (W/kg)	2+4 Summed 1g SAR (W/kg)	3+5 Summed 1g SAR (W/kg)	3+6 Summed 1g SAR (W/kg)	4+5 Summed 1g SAR (W/kg)	4+6 Summed 1g SAR (W/kg)	
Right Cheek	0.189	0.091	0.091	0.039	0.102	0.060	**0.182**	**0.130**	**0.193**	**0.151**	**0.141**	**0.099**	**0.193**
Right Tilted	0.189	0.091	0.091	0.046	0.102	0.060	**0.182**	**0.137**	**0.193**	**0.151**	**0.148**	**0.106**	**0.193**
Left Cheek	0.189	0.091	0.091	0.066	0.102	0.060	**0.182**	**0.157**	**0.193**	**0.151**	**0.168**	**0.126**	**0.193**
Left Tilted	0.189	0.091	0.091	0.081	0.102	0.060	**0.182**	**0.172**	**0.193**	**0.151**	**0.183**	**0.141**	**0.193**

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

Test Position	AG0	AG1	Wlan/BT worst case	AG0+AG1+wlan/BT worse case
Right Cheek	0.895	0.432	0.193	**1.52**
Right Tilted	0.944	0.220	0.193	**1.36**
Left Cheek	0.786	0.301	0.193	**1.28**
Left Tilted	0.890	0.358	0.193	**1.44**

<AG0 + WLAN/BT SAR>

NO	1	2	3	4	5	6	7	8	9
Test Position	WWAN AG0	WLAN2.4GHz Ant 4+6 (No DBS Simultaneous)	WLAN2.4GHz Ant 4+6 (DBS Standalone)	WLAN2.4GHz Ant 4+6 (DBS Simultaneous)	WLAN5GHz Ant 5+7 (DBS Standalone)	WLAN5GHz Ant 5+7 (No DBS/DBS Simultaneous)	WLAN6GHz Ant 5+7	Bluetooth Ant 4	Bluetooth Ant 6
Right Cheek	0.895	0.189	0.714	0.091	0.737	0.091	0.039	0.102	0.060
Right Tilted	0.944	0.189	0.714	0.091	0.737	0.091	0.046	0.102	0.060
Left Cheek	0.786	0.189	0.714	0.091	0.737	0.091	0.066	0.102	0.060
Left Tilted	0.890	0.189	0.714	0.091	0.737	0.091	0.081	0.102	0.060

DBS				Non-DBS				
3+5 Summed 1g SAR (W/kg)	3+7 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+4+7 Summed 1g SAR (W/kg)	1+2 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+6+9 Summed 1g SAR (W/kg)	1+7+8 Summed 1g SAR (W/kg)	1+7+9 Summed 1g SAR (W/kg)
1.45	0.75	1.08	1.03	1.08	1.09	1.05	1.04	0.99
1.45	0.76	1.13	1.08	1.13	1.14	1.10	1.09	1.05
1.45	0.78	0.97	0.94	0.98	0.98	0.94	0.95	0.91
1.45	0.80	1.07	1.06	1.08	1.08	1.04	1.07	1.03

<AG1 + WLAN/BT SAR>

NO	1	2	3	4	5	6	7	8	9
Test Position	WWAN AG1	WLAN2.4GHz Ant 4+6 (No DBS Simultaneous)	WLAN2.4GHz Ant 4+6 (DBS Standalone)	WLAN2.4GHz Ant 4+6 (DBS Simultaneous)	WLAN5GHz Ant 5+7 (DBS Standalone)	WLAN5GHz Ant 5+7 (No DBS/DBS Simultaneous)	WLAN6GHz Ant 5+7	Bluetooth Ant 4	Bluetooth Ant 6
Right Cheek	0.432	0.189	0.714	0.091	0.737	0.091	0.039	0.102	0.060
Right Tilted	0.220	0.189	0.714	0.091	0.737	0.091	0.046	0.102	0.060
Left Cheek	0.301	0.189	0.714	0.091	0.737	0.091	0.066	0.102	0.060
Left Tilted	0.358	0.189	0.714	0.091	0.737	0.091	0.081	0.102	0.060

DBS				Non-DBS				
3+5 Summed 1g SAR (W/kg)	3+7 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+4+7 Summed 1g SAR (W/kg)	1+2 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+6+9 Summed 1g SAR (W/kg)	1+7+8 Summed 1g SAR (W/kg)	1+7+9 Summed 1g SAR (W/kg)
1.45	0.75	0.61	0.56	0.62	0.63	0.58	0.57	0.53
1.45	0.76	0.40	0.36	0.41	0.41	0.37	0.37	0.33
1.45	0.78	0.48	0.46	0.49	0.49	0.45	0.47	0.43
1.45	0.80	0.54	0.53	0.55	0.55	0.51	0.54	0.50

17.4 Hotspot Exposure Conditions

General Note: The unit of SAR evaluation is W/kg.

<AG0 maximum report SAR>:

Test Position	Ant1	Ant3	Ant4	Ant7	Ant8	MAX
Front	0.817	0.407	0.212	0.164	0.078	**0.817**
Back	0.994	0.924	0.463	0.387	0.984	**0.994**
Left side	0.986	0.989			0.114	**0.989**
Right side			0.173	0.398		**0.398**
Top side	0.995	0.101	0.795	0.340	0.149	**0.995**
Bottom side						**0.000**

<AG1 maximum report SAR>:

Test Position	Ant0	Ant2	Ant9	MAX
Front	0.518	1.152	0.321	**1.152**
Back	0.792	1.250	0.507	**1.250**
Left side	0.860			**0.860**
Right side		0.882	0.897	**0.897**
Top side				**0.000**
Bottom side	0.649	1.243	0.513	**1.243**

<WLAN+BT Worse-case SAR>:

NO	1	2	3	4	5	DBS	Non-DBS		Wlan+BT worse case
Test Position	WLAN2.4GHz Ant 4+6 (No DBS Simultaneous)	WLAN2.4GHz Ant 4+6 (DBS Simultaneous)	WLAN5GHz Ant 5+7 (No DBS/DBS Simultaneous)	Bluetooth Ant 4	Bluetooth Ant 6	2+3 Summed 1g SAR (W/kg)	3+4 Summed 1g SAR (W/kg)	3+5 Summed 1g SAR (W/kg)	
Front	0.092	0.073	0.150	0.043	0.052	0.223	0.193	0.202	0.223
Back	0.183	0.140	0.169	0.101	0.115	0.309	0.270	0.284	0.309
Left side						0.000	0.000	0.000	0.000
Right side	0.115	0.081	0.188	0.027	0.191	0.269	0.215	0.379	0.379
Top side	0.374	0.187	0.167	0.222	0.069	0.354	0.389	0.236	0.389
Bottom side						0.000	0.000	0.000	0.000

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

Test Position	AG0	AG1	Wlan/BT worst case	AG0+AG1+wlan/BT worse case
Front	0.817	1.152	0.223	**2.19**
Back	0.994	1.250	0.309	**2.55**
Left side	0.989	0.860	0.000	**1.85**
Right side	0.398	0.897	0.380	**1.68**
Top side	0.995		0.389	**1.38**
Bottom side		1.243	0.000	**1.24**

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

Front					
Ant combination	AG0 SAR	AG1 SAR	Wlan+BT worst case	AG0+AG1+wlan +BT worst case	SPLSR
Ant1-Ant0	0.817	0.518	0.223	1.56	
Ant3-Ant0	0.407	0.518	0.223	1.15	
Ant4-Ant0	0.212	0.518	0.223	0.95	
Ant7-Ant0	0.164	0.518	0.223	0.91	
Ant8-Ant0	0.078	0.518	0.223	0.82	
Ant1-Ant2	0.817	1.152	0.223	**2.19**	**Case1**
Ant3-Ant2	0.407	1.152	0.223	**1.78**	**Case2**
Ant4-Ant2	0.212	1.152	0.223	**1.59**	
Ant7-Ant2	0.164	1.152	0.223	1.54	
Ant8-Ant2	0.078	1.152	0.223	1.45	
Ant1-Ant9	0.817	0.321	0.223	1.36	
Ant3-Ant9	0.407	0.321	0.223	0.95	
Ant4-Ant9	0.212	0.321	0.223	0.76	
Ant7-Ant9	0.164	0.321	0.223	0.71	
Ant8-Ant9	0.078	0.321	0.223	0.62	

Back					
Ant combination	AG0 SAR	AG1 SAR	Wlan+BT worst case	AG0+AG1+wlan +BT worst case	SPLSR
Ant1-Ant0	0.994	0.792	0.309	**2.10**	**Case3**
Ant3-Ant0	0.924	0.792	0.309	**2.03**	**Case4**
Ant4-Ant0	0.463	0.792	0.309	1.56	
Ant7-Ant0	0.387	0.792	0.309	1.49	
Ant8-Ant0	0.984	0.792	0.309	**2.09**	**Case5**
Ant1-Ant2	0.994	1.250	0.309	**2.55**	**Case6**
Ant3-Ant2	0.924	1.250	0.309	**2.48**	**Case7**
Ant4-Ant2	0.463	1.250	0.309	**2.02**	**Case8**
Ant7-Ant2	0.387	1.250	0.309	**1.95**	**Case9**
Ant8-Ant2	0.984	1.250	0.309	**2.54**	**Case10**
Ant1-Ant9	0.994	0.507	0.309	**1.81**	**Case11**
Ant3-Ant9	0.924	0.507	0.309	**1.74**	**Case12**
Ant4-Ant9	0.463	0.507	0.309	1.28	
Ant7-Ant9	0.387	0.507	0.309	1.20	
Ant8-Ant9	0.984	0.507	0.309	**1.80**	**Case13**

Left Side					
Ant combination	AG0 SAR	AG1 SAR	Wlan+BT worst case	AG0+AG1+wlan +BT worst case	SPLSR
Ant1-Ant0	0.986	0.860	0.000	**1.85**	**Case14**
Ant3-Ant0	0.989	0.860	0.000	**1.85**	**Case15**
Ant4-Ant0	0.000	0.860	0.000	0.86	
Ant7-Ant0	0.000	0.860	0.000	0.86	
Ant8-Ant0	0.114	0.860	0.000	0.97	
Ant1-Ant2	0.986	0.000	0.000	0.99	
Ant3-Ant2	0.989	0.000	0.000	0.99	
Ant4-Ant2	0.000	0.000	0.000	0.00	
Ant7-Ant2	0.000	0.000	0.000	0.00	
Ant8-Ant2	0.114	0.000	0.000	0.11	
Ant1-Ant9	0.986	0.000	0.000	0.99	
Ant3-Ant9	0.989	0.000	0.000	0.99	
Ant4-Ant9	0.000	0.000	0.000	0.00	
Ant7-Ant9	0.000	0.000	0.000	0.00	
Ant8-Ant9	0.114	0.000	0.000	0.11	

Right Side					
Ant combination	AG0 SAR	AG1 SAR	Wlan+BT worst case	AG0+AG1+wlan +BT worst case	SPLSR
Ant1-Ant0	0.000	0.000	0.380	0.38	
Ant3-Ant0	0.000	0.000	0.380	0.38	
Ant4-Ant0	0.173	0.000	0.380	0.55	
Ant7-Ant0	0.398	0.000	0.380	0.78	
Ant8-Ant0	0.000	0.000	0.380	0.38	
Ant1-Ant2	0.000	0.882	0.380	1.26	
Ant3-Ant2	0.000	0.882	0.380	1.26	
Ant4-Ant2	0.173	0.882	0.380	1.44	
Ant7-Ant2	0.398	0.882	0.380	**1.66**	**Case16**
Ant8-Ant2	0.000	0.882	0.380	1.26	
Ant1-Ant9	0.000	0.897	0.380	1.28	
Ant3-Ant9	0.000	0.897	0.380	1.28	
Ant4-Ant9	0.173	0.897	0.380	1.45	
Ant7-Ant9	0.398	0.897	0.380	**1.68**	**Case17**
Ant8-Ant9	0.000	0.897	0.380	1.28	

<AG0 + WLAN/BT SAR>

NO	1	2	3	4	6	7	DBS	Non-DBS		
Test Position	WWAN AG0	WLAN2.4GHz Ant 4+6 (No DBS Simultaneous)	WLAN2.4GHz Ant 4+6 (DBS Simultaneous)	WLAN5GHz Ant 5+7 (No DBS/DBS Simultaneous)	Bluetooth Ant 4	Bluetooth Ant 6	1+3+4 Summed 1g SAR (W/kg)	1+2 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+4+7 Summed 1g SAR (W/kg)
Front	0.817	0.092	0.073	0.150	0.043	0.052	**1.04**	**0.91**	**1.01**	**1.02**
Back	0.994	0.183	0.140	0.169	0.101	0.115	**1.30**	**1.18**	**1.26**	**1.28**
Left side	0.989						**0.99**	**0.99**	**0.99**	**0.99**
Right side	0.398	0.115	0.081	0.188	0.027	0.191	**0.67**	**0.51**	**0.61**	**0.78**
Top side	0.995	0.374	0.187	0.167	0.222	0.069	**1.35**	**1.37**	**1.38**	**1.23**
Bottom side							**0.00**	**0.00**	**0.00**	**0.00**

<AG1 + WLAN/BT SAR>

NO	1	2	3	4	6	7	DBS	Non-DBS		
Test Position	WWAN AG1	WLAN2.4GHz Ant 4+6 (No DBS Simultaneous)	WLAN2.4GHz Ant 4+6 (DBS Simultaneous)	WLAN5GHz Ant 5+7 (No DBS/DBS Simultaneous)	Bluetooth Ant 4	Bluetooth Ant 6	1+3+4 Summed 1g SAR (W/kg)	1+2 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+4+7 Summed 1g SAR (W/kg)
Front	1.152	0.092	0.073	0.150	0.043	0.052	**1.38**	**1.24**	**1.35**	**1.35**
Back	1.250	0.183	0.140	0.169	0.101	0.115	**1.56**	**1.43**	**1.52**	**1.53**
Left side	0.860						**0.86**	**0.86**	**0.86**	**0.86**
Right side	0.897	0.115	0.081	0.188	0.027	0.191	**1.17**	**1.01**	**1.11**	**1.28**
Top side		0.374	0.187	0.167	0.222	0.069	**0.35**	**0.37**	**0.39**	**0.24**
Bottom side	1.243						**1.24**	**1.24**	**1.24**	**1.24**

17.5 Body-Worn Accessory Exposure Conditions

General Note: The unit of SAR evaluation is W/kg.

<AG0 maximum report SAR>:

Test Position	Ant1	Ant3	Ant4	Ant7	Ant8	MAX
Front	0.817	0.407	0.212	0.164	0.078	0.817
Back	0.994	0.924	0.492	0.398	0.984	0.994

<AG1 maximum report SAR>:

Test Position	Ant0	Ant2	Ant9	MAX
Front	0.518	1.152	0.321	1.152
Back	0.792	1.250	0.507	1.250

<WLAN+BT Worse-case SAR>:

NO	1	2	3	4	5	6	DBS		Non-DBS				Wlan+BT worse case
Test Position	WLAN2.4GHz Ant 4+6 (No DBS Simultaneous)	WLAN2.4GHz Ant 4+6 (DBS Simultaneous)	WLAN5GHz Ant 5+7 (No DBS/DBS Simultaneous)	WLAN6GHz Ant 5+7	Bluetooth Ant 4	Bluetooth Ant 6	2+3 Summed 1g SAR (W/kg)	2+4 Summed 1g SAR (W/kg)	3+5 Summed 1g SAR (W/kg)	3+6 Summed 1g SAR (W/kg)	4+5 Summed 1g SAR (W/kg)	4+6 Summed 1g SAR (W/kg)	
Front	0.092	0.073	0.149	0.042	0.043	0.052	**0.222**	**0.115**	**0.192**	**0.201**	**0.085**	**0.094**	**0.222**
Back	0.183	0.140	0.170	0.116	0.101	0.115	**0.310**	**0.256**	**0.271**	**0.285**	**0.217**	**0.231**	**0.310**

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

Test Position	AG0	AG1	Wlan+BT worst case	AG0+AG1+wlan +BT worse case(DBS/XBS)
Front	0.817	1.152	0.222	**2.19**
Back	0.994	1.250	0.310	**2.55**

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

Front					
Ant combination	AG0 SAR	AG1 SAR	Wlan+BT worst case	AG0+AG1+wlan +BT worst case(DBS/XBS)	SPLSR
Ant1-Ant0	0.817	0.518	0.222	1.56	
Ant3-Ant0	0.407	0.518	0.222	1.15	
Ant4-Ant0	0.212	0.518	0.222	0.95	
Ant7-Ant0	0.164	0.518	0.222	0.90	
Ant8-Ant0	0.078	0.518	0.222	0.82	
Ant1-Ant2	0.817	1.152	0.222	**2.19**	**Case25**
Ant3-Ant2	0.407	1.152	0.222	**1.78**	**Case26**
Ant4-Ant2	0.212	1.152	0.222	1.59	
Ant7-Ant2	0.164	1.152	0.222	1.54	
Ant8-Ant2	0.078	1.152	0.222	1.45	
Ant1-Ant9	0.817	0.321	0.222	1.36	
Ant3-Ant9	0.407	0.321	0.222	0.95	
Ant4-Ant9	0.212	0.321	0.222	0.76	
Ant7-Ant9	0.164	0.321	0.222	0.71	
Ant8-Ant9	0.078	0.321	0.222	0.62	

Back					
Ant combination	AG0 SAR	AG1 SAR	Wlan+BT worst case	AG0+AG1+wlan +BT worst case(DBS/XBS)	SPLSR
Ant1-Ant0	0.994	0.792	0.310	**2.10**	**Case27**
Ant3-Ant0	0.924	0.792	0.310	**2.03**	**Case28**
Ant4-Ant0	0.492	0.792	0.310	1.59	
Ant7-Ant0	0.398	0.792	0.310	1.50	
Ant8-Ant0	0.984	0.792	0.310	**2.09**	**Case29**
Ant1-Ant2	0.994	1.250	0.310	**2.55**	**Case30**
Ant3-Ant2	0.924	1.250	0.310	**2.48**	**Case31**
Ant4-Ant2	0.492	1.250	0.310	**2.05**	**Case32**
Ant7-Ant2	0.398	1.250	0.310	**1.96**	**Case33**
Ant8-Ant2	0.984	1.250	0.310	**2.54**	**Case34**
Ant1-Ant9	0.994	0.507	0.310	**1.81**	**Case35**
Ant3-Ant9	0.924	0.507	0.310	**1.74**	**Case36**
Ant4-Ant9	0.492	0.507	0.310	1.31	
Ant7-Ant9	0.398	0.507	0.310	1.22	
Ant8-Ant9	0.984	0.507	0.310	**1.80**	**Case37**

<AG0 + WLAN/BT SAR>

NO	1	2	3	4	5	6	7	8	9
Test Position	WWAN AG0	WLAN2.4GHz Ant 4+6 (No DBS Simultaneous)	WLAN2.4GHz Ant 4+6 (DBS Standalone)	WLAN2.4GHz Ant 4+6 (DBS Simultaneous)	WLAN5GHz Ant 5+7 (DBS Standalone)	WLAN5GHz Ant 5+7 (No DBS/DBS Simultaneous)	WLAN6GHz Ant 5+7	Bluetooth Ant 4	Bluetooth Ant 6
Front	0.817	0.092	0.752	0.073	0.734	0.149	0.042	0.043	0.052
Back	0.994	0.183	0.752	0.140	0.734	0.170	0.116	0.101	0.115

DBS				Non-DBS				
3+5 Summed 1g SAR (W/kg)	3+9 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+4+7 Summed 1g SAR (W/kg)	1+2 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+6+9 Summed 1g SAR (W/kg)	1+7+8 Summed 1g SAR (W/kg)	1+7+9 Summed 1g SAR (W/kg)
1.49	**0.80**	**1.04**	**0.93**	**0.91**	**1.01**	**1.02**	**0.90**	**0.91**
1.49	**0.87**	**1.30**	**1.25**	**1.18**	**1.27**	**1.28**	**1.21**	**1.23**

<AG1 + WLAN/BT SAR>

NO	1	2	3	4	5	6	7	8	9
Test Position	WWAN AG1	WLAN2.4GHz Ant 4+6 (No DBS Simultaneous)	WLAN2.4GHz Ant 4+6 (DBS Standalone)	WLAN2.4GHz Ant 4+6 (DBS Simultaneous)	WLAN5GHz Ant 5+7 (DBS Standalone)	WLAN5GHz Ant 5+7 (No DBS/DBS Simultaneous)	WLAN6GHz Ant 5+7	Bluetooth Ant 4	Bluetooth Ant 6
Front	1.152	0.092	0.752	0.073	0.734	0.149	0.042	0.043	0.052
Back	1.250	0.183	0.752	0.140	0.734	0.170	0.116	0.101	0.115

DBS				Non-DBS				
3+5 Summed 1g SAR (W/kg)	3+9 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+4+7 Summed 1g SAR (W/kg)	1+2 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+6+9 Summed 1g SAR (W/kg)	1+7+8 Summed 1g SAR (W/kg)	1+7+9 Summed 1g SAR (W/kg)
1.49	**0.80**	**1.37**	**1.27**	**1.24**	**1.34**	**1.35**	**1.24**	**1.25**
1.49	**0.87**	**1.56**	**1.51**	**1.43**	**1.52**	**1.54**	**1.47**	**1.48**

17.6 Product specific 10g SAR Exposure Conditions

Remark:

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

<AG0 maximum report SAR>:

Test Position	Ant1	Ant3	Ant4	Ant7	Ant8	MAX
Front	1.781					1.781
Back	1.837	1.989		0.614	1.990	1.990
Left side	1.991	1.936			1.040	1.991
Right side				1.442		1.442
Top side	1.996		1.900	1.091	1.102	**1.996**
Bottom side						0.000

<AG1 maximum report SAR>:

Test Position	Ant0	Ant2	Ant9	MAX
Front	0.894	1.723		1.723
Back	1.240	1.994		1.994
Left side	2.539			**2.539**
Right side			1.890	1.890
Top side				0.000
Bottom side	1.550	1.982		1.982

<WLAN+BT Worse-case SAR>:

NO	1	2	3	4	5	DBS		Wlan+BT worse case
Test Position	WLAN2.4GHz Ant 4+6 (No DBS Simultaneous)	WLAN2.4GHz Ant 4+6 (DBS Simultaneous)	WLAN5GHz Ant 5+7 (No DBS Simultaneous)	WLAN5GHz Ant 5+7 (DBS Simultaneous)	WLAN6GHz Ant 5+7	2+4 Summed 10g SAR (W/kg)	2+5 Summed 10g SAR (W/kg)	
Front	0.481	0.270	0.756	0.394	0.065	**0.664**	**0.335**	**0.756**
Back	0.411	0.224	0.433	0.219	0.084	**0.443**	**0.308**	**0.443**
Left side						**0.000**	**0.000**	**0.000**
Right side	0.592	0.328	0.953	0.479	0.127	**0.807**	**0.455**	**0.953**
Top side	0.912	0.467	0.999	0.466	0.133	**0.933**	**0.600**	**0.999**
Bottom side						**0.000**	**0.000**	**0.000**

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

Test Position	AG0	AG1	Wlan+BT worst case	AG0+AG1+wlan +BT worse case
Front	1.781	1.723	0.756	**4.26**
Back	1.990	1.994	0.443	**4.43**
Left side	1.991	2.539	0.000	**4.53**
Right side	1.442	1.890	0.953	**4.29**
Top side	1.996	0.000	0.999	3.00
Bottom side	0.000	1.982	0.000	1.98

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

Front					
Ant combination	AG0 SAR	AG1 SAR	Wlan+BT worst case	AG0+AG1+wlan +BT worse case	SPLSR
Ant1-Ant0	1.781	0.894	0.756	3.43	
Ant3-Ant0	0.000	0.894	0.756	1.65	
Ant4-Ant0	0.000	0.894	0.756	1.65	
Ant7-Ant0	0.000	0.894	0.756	1.65	
Ant8-Ant0	0.000	0.894	0.756	1.65	
Ant1-Ant2	1.781	1.723	0.756	**4.26**	**Case18**
Ant3-Ant2	0.000	1.723	0.756	2.48	
Ant4-Ant2	0.000	1.723	0.756	2.48	
Ant7-Ant2	0.000	1.723	0.756	2.48	
Ant8-Ant2	0.000	1.723	0.756	2.48	
Ant1-Ant9	1.781	0.000	0.756	2.54	
Ant3-Ant9	0.000	0.000	0.756	0.76	
Ant4-Ant9	0.000	0.000	0.756	0.76	
Ant7-Ant9	0.000	0.000	0.756	0.76	
Ant8-Ant9	0.000	0.000	0.756	0.76	

Back					
Ant combination	AG0 SAR	AG1 SAR	Wlan+BT worst case	AG0+AG1+wlan +BT worse case	SPLSR
Ant1-Ant0	1.837	1.240	0.443	3.52	
Ant3-Ant0	1.989	1.240	0.443	**3.67**	
Ant4-Ant0	0.000	1.240	0.443	1.68	
Ant7-Ant0	0.614	1.240	0.443	2.30	
Ant8-Ant0	1.990	1.240	0.443	3.67	
Ant1-Ant2	1.837	1.994	0.443	**4.27**	**Case19**
Ant3-Ant2	1.989	1.994	0.443	**4.43**	**Case20**
Ant4-Ant2	0.000	1.994	0.443	2.44	
Ant7-Ant2	0.614	1.994	0.443	3.05	
Ant8-Ant2	1.990	1.994	0.443	**4.43**	**Case21**
Ant1-Ant9	1.837	0.000	0.443	2.28	
Ant3-Ant9	1.989	0.000	0.443	2.43	
Ant4-Ant9	0.000	0.000	0.443	0.44	
Ant7-Ant9	0.614	0.000	0.443	1.06	
Ant8-Ant9	1.990	0.000	0.443	2.43	

Left Side					
Ant combination	AG0 SAR	AG1 SAR	Wlan+BT worst case	AG0+AG1+wlan +BT worse case	SPLSR
Ant1-Ant0	1.991	2.539	0.000	**4.53**	**Case22**
Ant3-Ant0	1.936	2.539	0.000	**4.48**	**Case23**
Ant4-Ant0	0.000	2.539	0.000	2.54	
Ant7-Ant0	0.000	2.539	0.000	2.54	
Ant8-Ant0	1.040	2.539	0.000	3.58	
Ant1-Ant2	1.991	0.000	0.000	1.99	
Ant3-Ant2	1.936	0.000	0.000	1.94	
Ant4-Ant2	0.000	0.000	0.000	0.00	

Ant7-Ant2	0.000	0.000	0.000	0.00	
Ant8-Ant2	1.040	0.000	0.000	1.04	
Ant1-Ant9	1.991	0.000	0.000	1.99	
Ant3-Ant9	1.936	0.000	0.000	1.94	
Ant4-Ant9	0.000	0.000	0.000	0.00	
Ant7-Ant9	0.000	0.000	0.000	0.00	
Ant8-Ant9	1.040	0.000	0.000	1.04	

Right Side					
Ant combination	AG0	AG1	Wlan+BT worst case	AG0+AG1+wlan +BT worse case	SPLSR
	SAR	SAR			
Ant1-Ant0	0.000	0.000	0.953	0.95	
Ant3-Ant0	0.000	0.000	0.953	0.95	
Ant4-Ant0	0.000	0.000	0.953	0.95	
Ant7-Ant0	1.442	0.000	0.953	2.40	
Ant8-Ant0	0.000	0.000	0.953	0.95	
Ant1-Ant2	0.000	0.000	0.953	0.95	
Ant3-Ant2	0.000	0.000	0.953	0.95	
Ant4-Ant2	0.000	0.000	0.953	0.95	
Ant7-Ant2	1.442	0.000	0.953	2.40	
Ant8-Ant2	0.000	0.000	0.953	0.95	
Ant1-Ant9	0.000	1.890	0.953	2.84	
Ant3-Ant9	0.000	1.890	0.953	2.84	
Ant4-Ant9	0.000	1.890	0.953	2.84	
Ant7-Ant9	1.442	1.890	0.953	4.29	Case24
Ant8-Ant9	0.000	1.890	0.953	2.84	

<AG0 + WLAN/BT SAR>

Test Position	WWAN AG0	WLAN2.4GHz Ant 4+6 (No DBS Simultaneous)	WLAN2.4GHz Ant 4+6 (DBS Standalone)	WLAN2.4GHz Ant 4+6 (DBS Simultaneous)	WLAN5GHz Ant 5+7 (No DBS Simultaneous)	WLAN5GHz Ant 5+7 (DBS Standalone)	WLAN5GHz Ant 5+7 (DBS Simultaneous)	WLAN6GHz Ant 5+7	3+6 Summed 10g SAR (W/kg)	3+8 Summed 10g SAR (W/kg)	1+4+7 Summed 10g SAR (W/kg)	1+4+8 Summed 10g SAR (W/kg)	1+2 Summed 10g SAR (W/kg)	1+5 Summed 10g SAR (W/kg)	1+8 Summed 10g SAR (W/kg)
Front	1.781	0.481	1.577	0.270	0.756	1.783	0.394	0.065	3.36	1.64	2.45	2.12	2.26	2.54	1.85
Back	1.990	0.411	1.577	0.224	0.433	1.783	0.219	0.084	3.36	1.66	2.43	2.30	2.40	2.42	2.07
Left side	1.991	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	1.99	1.99	1.99	1.99	1.99
Right side	1.442	0.592	1.577	0.328	0.953	1.735	0.479	0.127	3.31	1.70	2.25	1.90	2.03	2.40	1.57
Top side	1.996	0.912	1.577	0.467	0.999	1.820	0.466	0.133	3.40	1.71	2.93	2.60	2.91	3.00	2.13
Bottom side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00

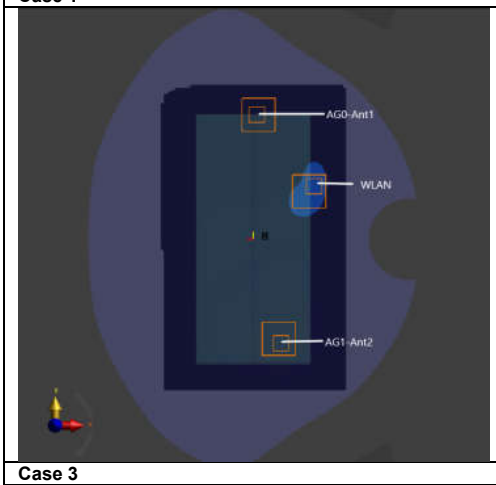
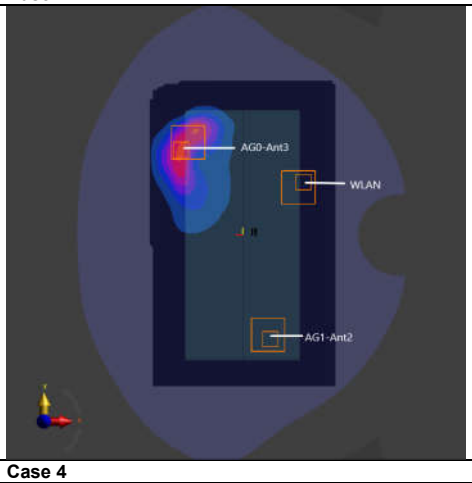
<AG1 + WLAN/BT SAR>

Test Position	WWAN AG1	WLAN2.4GHz Ant 4+6 (No DBS Simultaneous)	WLAN2.4GHz Ant 4+6 (DBS Standalone)	WLAN2.4GHz Ant 4+6 (DBS Simultaneous)	WLAN5GHz Ant 5+7 (No DBS Simultaneous)	WLAN5GHz Ant 5+7 (DBS Standalone)	WLAN5GHz Ant 5+7 (DBS Simultaneous)	WLAN6GHz Ant 5+7	3+6 Summed 10g SAR (W/kg)	3+8 Summed 10g SAR (W/kg)	1+4+7 Summed 10g SAR (W/kg)	1+4+8 Summed 10g SAR (W/kg)	1+2 Summed 10g SAR (W/kg)	1+5 Summed 10g SAR (W/kg)	1+8 Summed 10g SAR (W/kg)
Front	1.723	0.481	1.577	0.270	0.756	1.820	0.394	0.065	3.40	1.64	2.39	2.06	2.20	2.48	1.79
Back	1.994	0.411	1.577	0.224	0.433	1.820	0.219	0.084	3.40	1.66	2.44	2.30	2.41	2.43	2.08
Left side	2.539	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	2.54	2.54	2.54	2.54	2.54
Right side	1.890	0.592	1.577	0.328	0.953	1.735	0.479	0.127	3.31	1.70	2.70	2.35	2.48	2.84	2.02
Top side	0.000	0.912	1.577	0.467	0.999	1.820	0.466	0.133	3.40	1.71	0.93	0.60	0.91	1.00	0.13
Bottom side	1.982	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	1.98	1.98	1.98	1.98	1.98

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 / (min. separation distance, mm). If SPLSR ≤ 0.04 for 1g SAR, simultaneously transmission SAR measurement is not necessary.
3. Per April 2022 TCB Workshop Notes, AG0 was summed algebraically with the BT/WIFI Antenna 4/5/6/7 for the purposes of hybrid SPLSR combination and they are located at the Top of the device.
4. 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.
5. The axis peak locations refer to Section 17.8.

Case 1	Case 2
	
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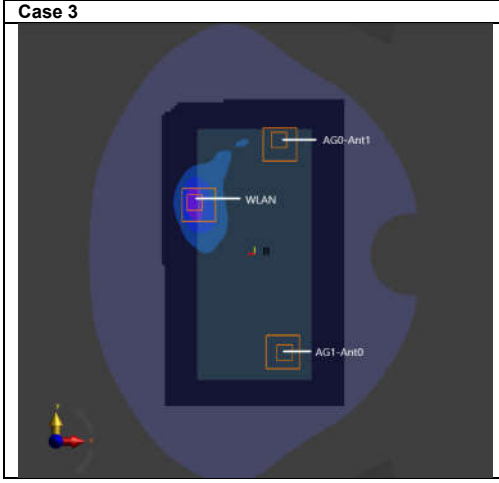	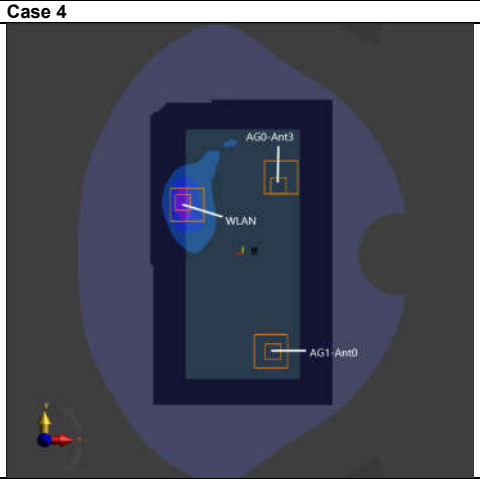

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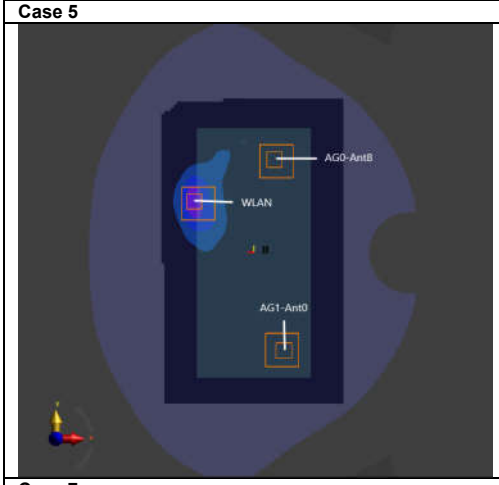	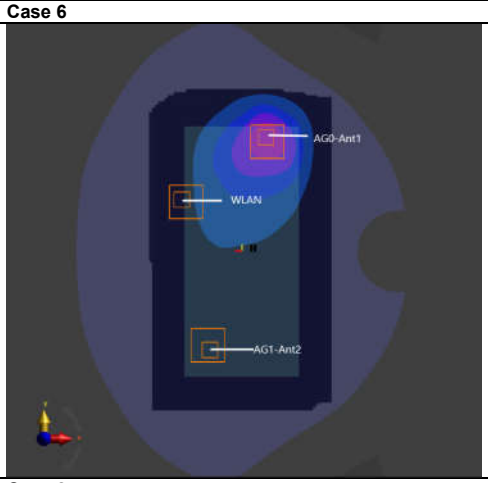
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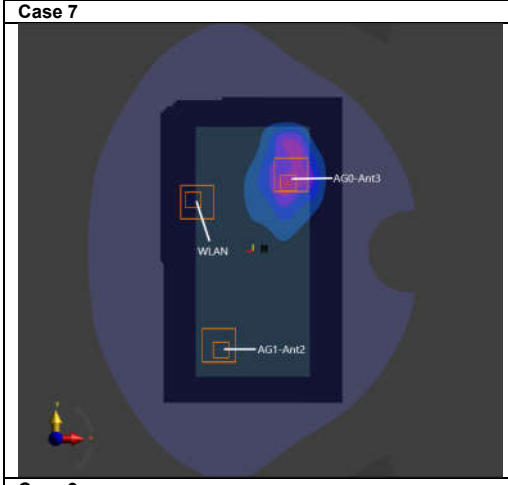	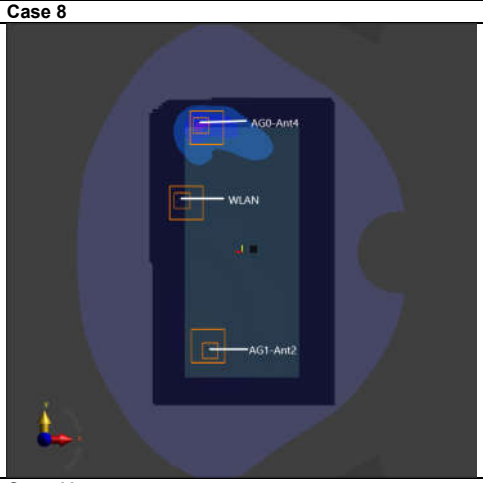
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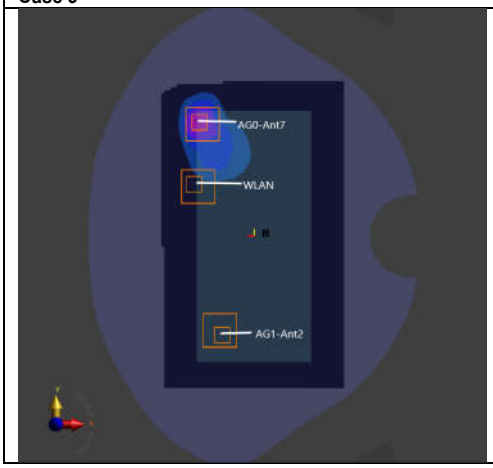	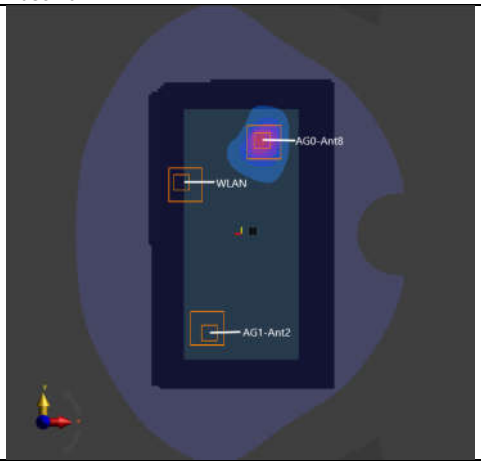

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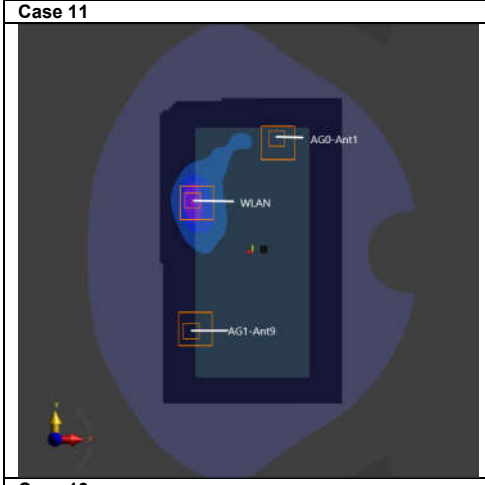	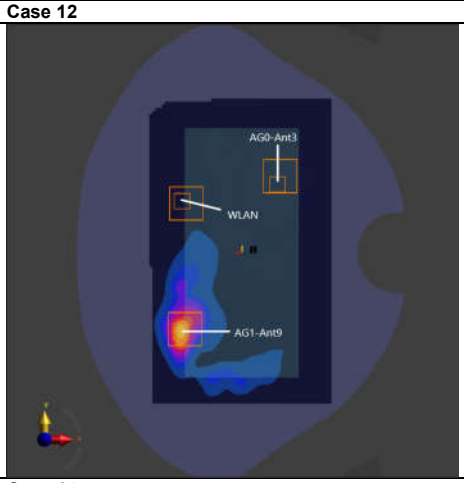
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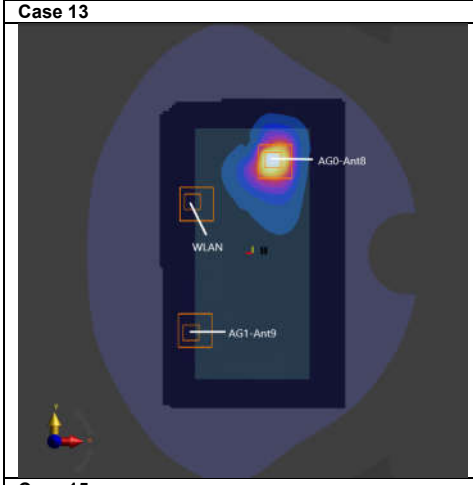	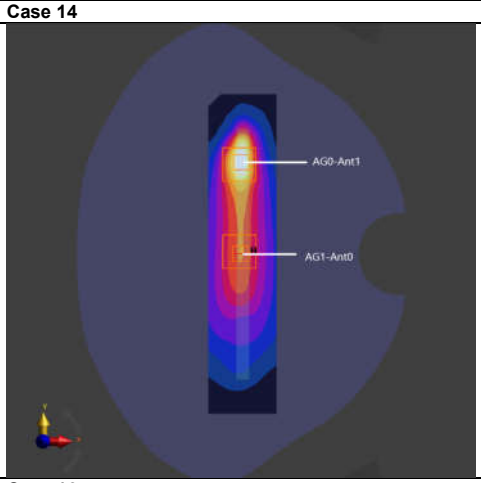
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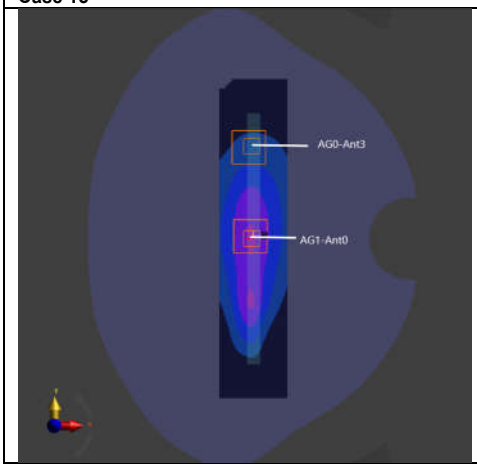	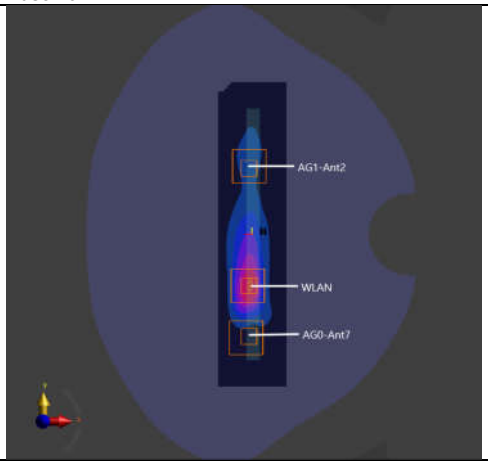

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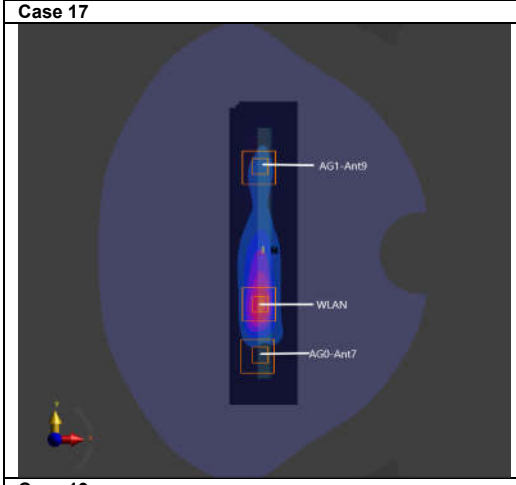

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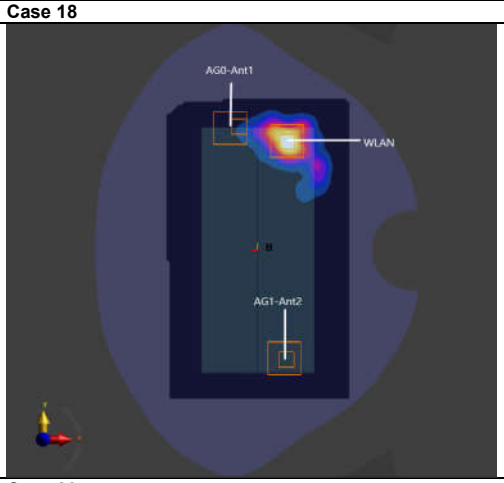

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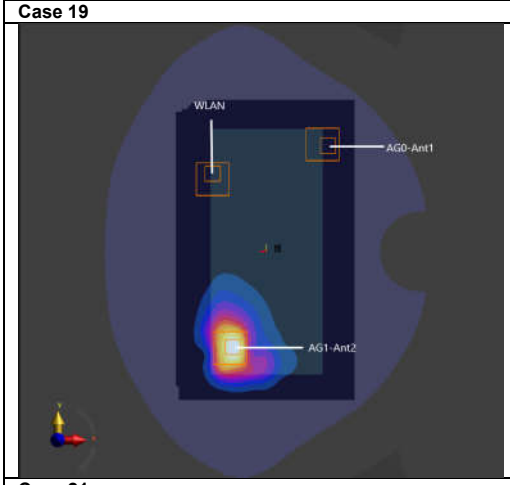

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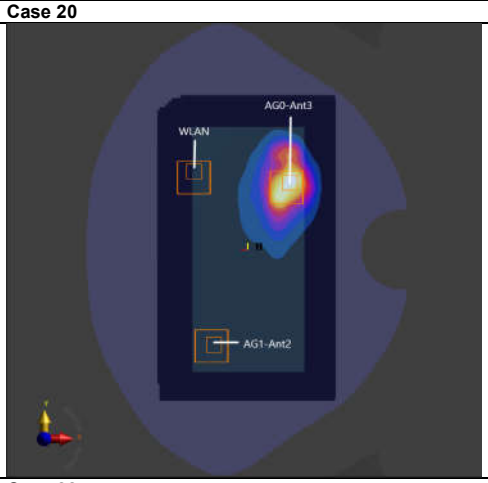

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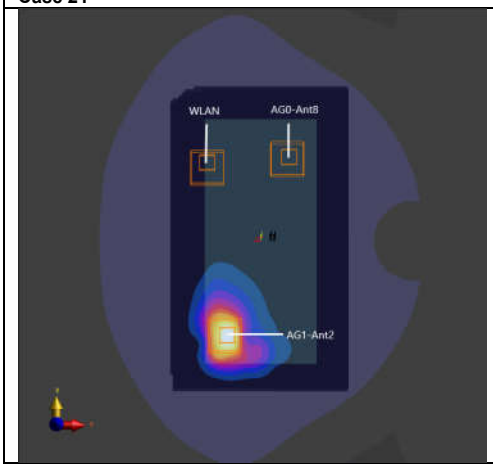

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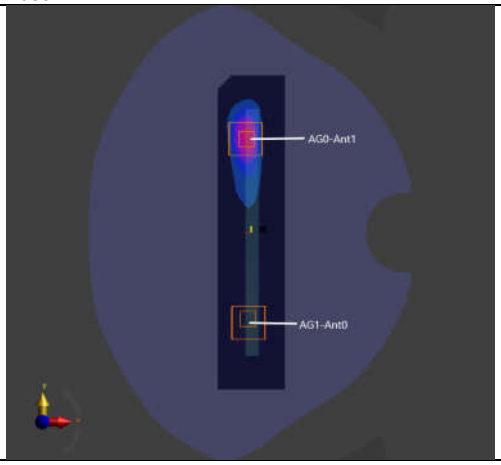

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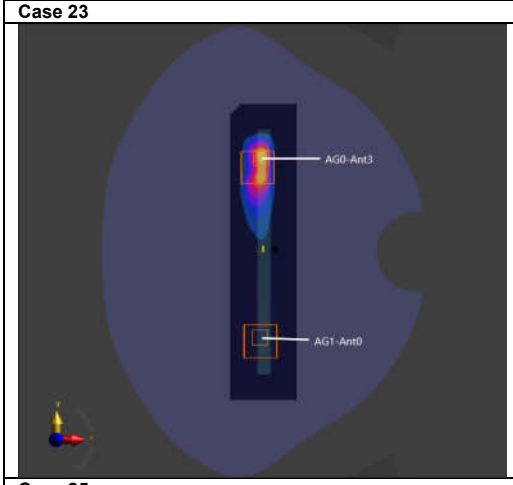	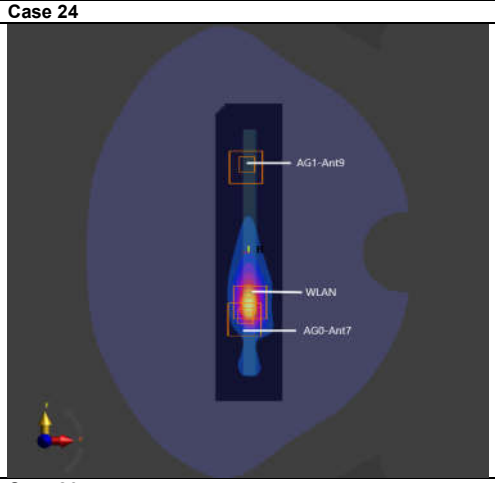
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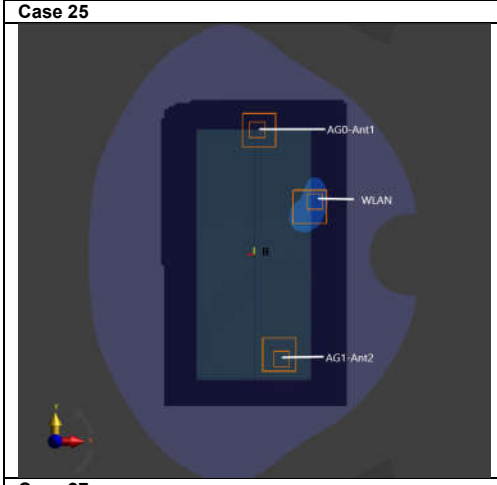	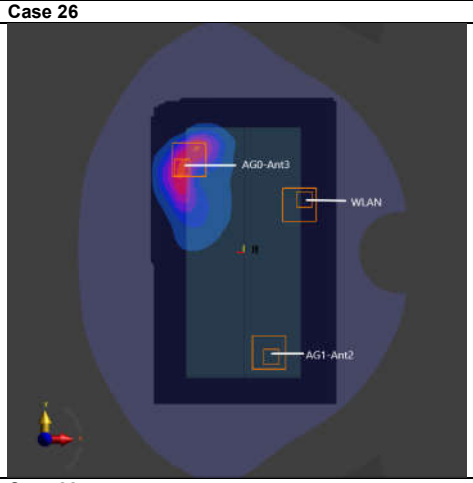
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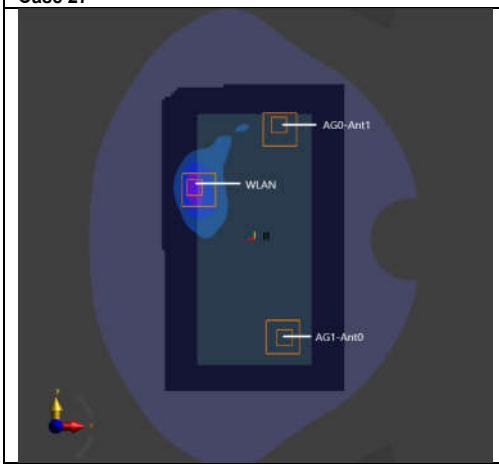	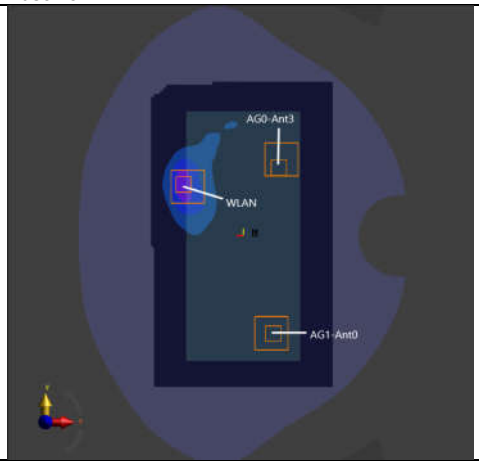

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	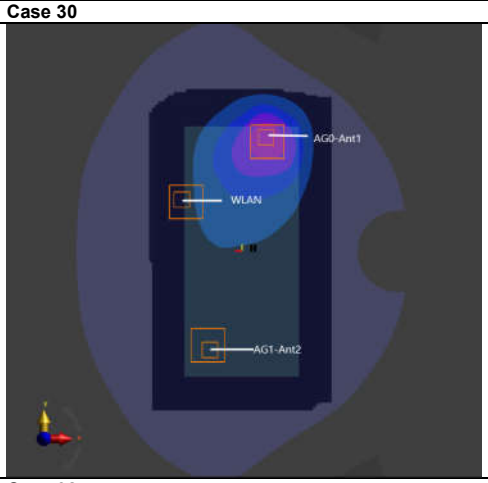
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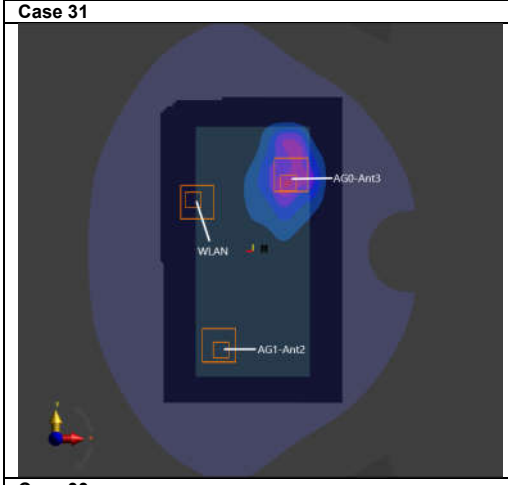	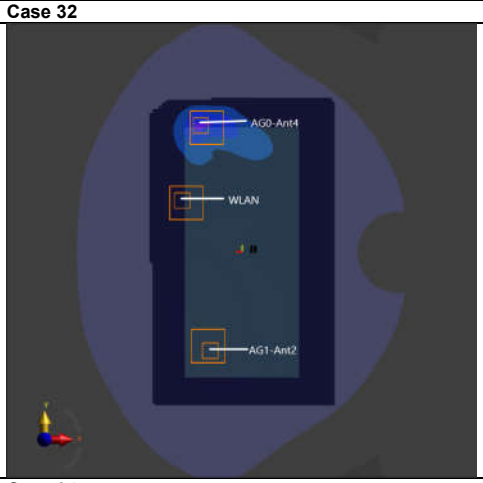
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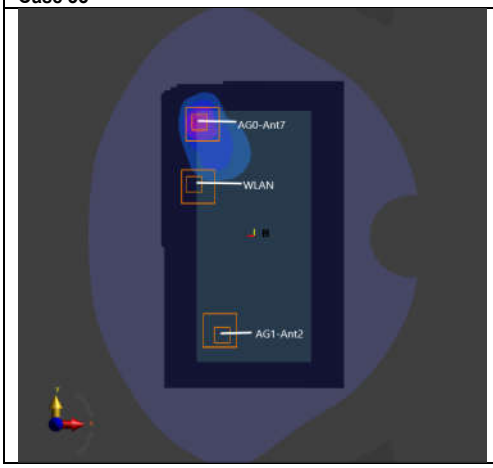
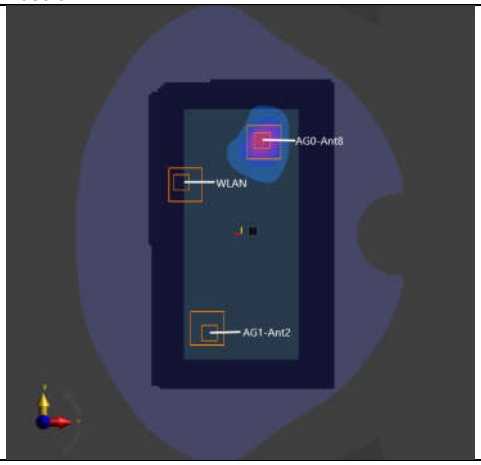
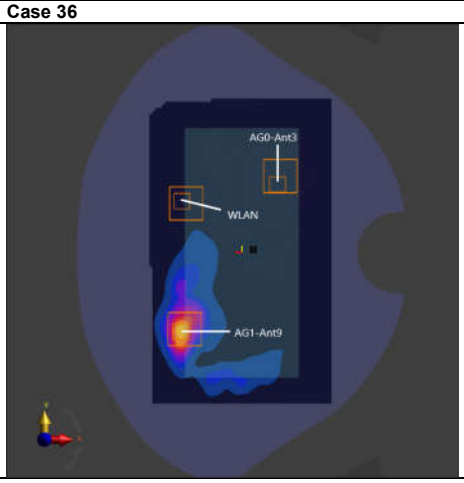
	

Case 35

Case 36



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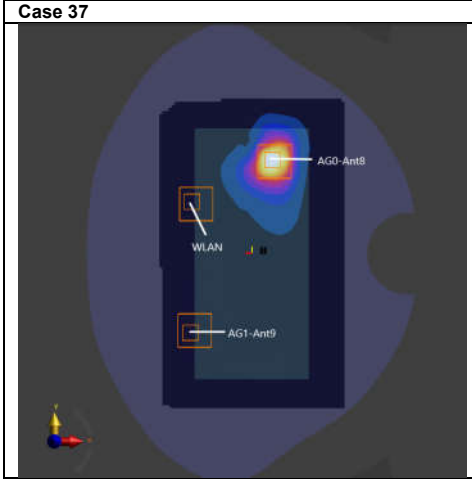

<Hotspot>

Case No	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
Case 1	AG1-Ant2	Front	1.152	5mm	-5.00	-68.00	-202.90	105.3	2.19	0.03	Not required
	AG0-Ant1		0.817	5mm	-25.00	83.00	-202.90				
	WLAN		0.223	5mm	15.00	35.40	-203.00				
Case 2	AG1-Ant2	Front	1.152	5mm	-5.00	-68.00	-202.90	105.3	1.78	0.02	Not required
	AG0-Ant3		0.407	5mm	-55.00	67.40	-202.90				
	WLAN		0.223	5mm	15.00	35.40	-203.00				

Case No	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
Case 3	AG1-Ant0	Back	0.792	5mm	-10.00	-64.80	-202.90	112.6	2.10	0.03	Not required
	AG0-Ant1		0.994	5mm	-10.00	74.80	-202.90				
	WLAN		0.309	5mm	-65.00	33.40	-203.00				
Case 4	AG1-Ant0	Back	0.792	5mm	-10.00	-64.80	-202.90	112.6	2.03	0.03	Not required
	AG0-Ant3		0.924	5mm	5.00	49.90	-202.90				
	WLAN		0.309	5mm	-65.00	33.40	-203.00				
Case 5	AG1-Ant0	Back	0.792	5mm	-10.00	-64.80	-202.90	112.6	2.09	0.03	Not required
	AG0-Ant8		0.984	5mm	-15.00	60.60	-202.90				
	WLAN		0.309	5mm	-65.00	33.40	-203.00				

Case 6	AG1-Ant2	Back	1.250	5mm	-45.00	-67.20	-202.90	102.6	2.55	0.04	Not required
	AG0-Ant1		0.994	5mm	-10.00	74.80	-202.90				
	WLAN		0.309	5mm	-65.00	33.40	-203.00				
Case 7	AG1-Ant2	Back	1.250	5mm	-45.00	-67.20	-202.90	102.6	2.48	0.04	Not required
	AG0-Ant3		0.924	5mm	5.00	49.90	-202.90				
	WLAN		0.309	5mm	-65.00	33.40	-203.00				
Case 8	AG1-Ant2	Back	1.250	5mm	-45.00	-67.20	-202.90	102.6	2.02	0.03	Not required
	AG0-Ant4		0.463	5mm	-55.00	82.70	-202.90				
	WLAN		0.309	5mm	-65.00	33.40	-203.00				
Case 9	AG1-Ant2	Back	1.250	5mm	-45.00	-67.20	-202.90	102.6	1.95	0.03	Not required
	AG0-Ant7		0.387	5mm	-65.00	72.30	-202.90				
	WLAN		0.309	5mm	-65.00	33.40	-203.00				
Case 10	AG1-Ant2	Back	1.250	5mm	-45.00	-67.20	-202.90	102.6	2.54	0.04	Not required
	AG0-Ant8		0.984	5mm	-15.00	60.60	-202.90				
	WLAN		0.309	5mm	-65.00	33.40	-203.00				
Case 11	AG1-Ant9	Back	0.507	5mm	-65.00	-51.20	-202.90	84.6	1.81	0.03	Not required
	AG0-Ant1		0.994	5mm	-10.00	74.80	-202.90				
	WLAN		0.309	5mm	-65.00	33.40	-203.00				
Case 12	AG1-Ant9	Back	0.507	5mm	-65.00	-51.20	-202.90	84.6	1.74	0.03	Not required
	AG0-Ant3		0.924	5mm	5.00	49.90	-202.90				
	WLAN		0.309	5mm	-65.00	33.40	-203.00				
Case 13	AG1-Ant9	Back	0.507	5mm	-65.00	-51.20	-202.90	84.6	1.80	0.03	Not required
	AG0-Ant8		0.984	5mm	-15.00	60.60	-202.90				
	WLAN		0.309	5mm	-65.00	33.40	-203.00				

Case No	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
Case 14	AG1-Ant0	Left Side	0.860	5mm	-25.00	-41.70	-203.00	100.5	1.85	0.03	Not required
	AG0-Ant1		0.986	5mm	-25.00	58.80	-203.00				
Case 15	AG1-Ant0	Left Side	0.860	5mm	-25.00	-41.70	-203.00	99.1	1.85	0.03	Not required
	AG0-Ant3		0.989	5mm	-25.00	57.40	-203.00				

Case No	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
Case 16	AG1-Ant2	Right Side	0.882	5mm	-25.00	53.50	-203.00	88.8	1.66	0.02	Not required
	AG0-Ant7		0.398	5mm	-25.00	-62.30	-203.00				
	WLAN		0.380	5mm	-25.00	-35.30	-203.10				
Case 17	AG1-Ant9	Right Side	0.897	5mm	-25.00	57.10	-203.00	92.4	1.68	0.02	Not required
	AG0-Ant7		0.398	5mm	-25.00	-62.30	-203.00				
	WLAN		0.380	5mm	-25.00	-35.30	-203.10				

<Body-worn>

Case No	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
Case 25	AG1-Ant2	Front	1.152	5mm	-5.00	-68.00	-202.90	105.3	2.19	0.03	Not required
	AG0-Ant1		0.817	5mm	-25.00	83.00	-202.90				
	WLAN		0.222	5mm	15.00	35.40	-203.00				
Case 26	AG1-Ant2	Front	1.152	5mm	-5.00	-68.00	-202.90	105.3	1.78	0.02	Not required
	AG0-Ant3		0.407	5mm	-55.00	67.40	-202.90				
	WLAN		0.222	5mm	15.00	35.40	-203.00				

Case No	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
Case 27	AG1-Ant0	Back	0.792	5mm	-10.00	-64.80	-202.90	112.6	2.10	0.03	Not required
	AG0-Ant1		0.994	5mm	-10.00	74.80	-202.90				
	WLAN		0.310	5mm	-65.00	33.40	-203.00				
Case 28	AG1-Ant0	Back	0.792	5mm	-10.00	-64.80	-202.90	112.6	2.03	0.03	Not required
	AG0-Ant3		0.924	5mm	5.00	49.90	-202.90				
	WLAN		0.310	5mm	-65.00	33.40	-203.00				
Case 29	AG1-Ant0	Back	0.792	5mm	-10.00	-64.80	-202.90	112.6	2.09	0.03	Not required
	AG0-Ant8		0.984	5mm	-15.00	60.60	-202.90				
	WLAN		0.310	5mm	-65.00	33.40	-203.00				
Case 30	AG1-Ant2	Back	1.250	5mm	-45.00	-67.20	-202.90	102.6	2.55	0.04	Not required
	AG0-Ant1		0.994	5mm	-10.00	74.80	-202.90				
	WLAN		0.310	5mm	-65.00	33.40	-203.00				
Case 31	AG1-Ant2	Back	1.250	5mm	-45.00	-67.20	-202.90	102.6	2.48	0.04	Not required
	AG0-Ant3		0.924	5mm	5.00	49.90	-202.90				
	WLAN		0.310	5mm	-65.00	33.40	-203.00				
Case 32	AG1-Ant2	Back	1.250	5mm	-45.00	-67.20	-202.90	102.6	2.05	0.03	Not required
	AG0-Ant4		0.492	5mm	-55.00	82.70	-202.90				
	WLAN		0.310	5mm	-65.00	33.40	-203.00				
Case 33	AG1-Ant2	Back	1.250	5mm	-45.00	-67.20	-202.90	102.6	1.96	0.03	Not required
	AG0-Ant7		0.398	5mm	-65.00	72.30	-202.90				
	WLAN		0.310	5mm	-65.00	33.40	-203.00				
Case 34	AG1-Ant2	Back	1.250	5mm	-45.00	-67.20	-202.90	102.6	2.54	0.04	Not required
	AG0-Ant8		0.984	5mm	-15.00	60.60	-202.90				
	WLAN		0.310	5mm	-65.00	33.40	-203.00				
Case 35	AG1-Ant9	Back	0.507	5mm	-65.00	-51.20	-202.90	84.6	1.81	0.03	Not required
	AG0-Ant1		0.994	5mm	-10.00	74.80	-202.90				
	WLAN		0.310	5mm	-65.00	33.40	-203.00				
Case 36	AG1-Ant9	Back	0.507	5mm	-65.00	-51.20	-202.90	84.6	1.74	0.03	Not required
	AG0-Ant3		0.924	5mm	5.00	49.90	-202.90				
	WLAN		0.310	5mm	-65.00	33.40	-203.00				
Case 37	AG1-Ant9	Back	0.507	5mm	-65.00	-51.20	-202.90	84.6	1.80	0.03	Not required
	AG0-Ant8		0.984	5mm	-15.00	60.60	-202.90				
	WLAN		0.310	5mm	-65.00	33.40	-203.00				

<Product Specific 10g SAR>

Case No	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
Case 18	AG1-Ant2	Front	1.723	0mm	-5.00	-73.40	-202.60	142.3	4.26	0.06	Not required
	AG0-Ant1		1.781	0mm	-35.00	81.80	-202.60				
	WLAN		0.756	0mm	0.50	68.80	-202.60				

Case No	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
Case 19	AG1-Ant2	Back	1.994	0mm	-45.00	-61.70	-202.70	116.0	4.27	0.08	Not required
	AG0-Ant1		1.837	0mm	5.00	73.90	-202.50				
	WLAN		0.443	0mm	-59.00	53.50	-202.80				
Case 20	AG1-Ant2	Back	1.994	0mm	-45.00	-61.70	-202.70	116.0	4.43	0.08	Not required
	AG0-Ant3		1.989	0mm	5.00	45.70	-202.70				
	WLAN		0.443	0mm	-59.00	53.50	-202.80				
Case 21	AG1-Ant2	Back	1.994	0mm	-45.00	-61.70	-202.70	116.0	4.43	0.08	Not required
	AG0-Ant8		1.990	0mm	-5.00	53.50	-202.80				
	WLAN		0.443	0mm	-59.00	53.50	-202.80				

Case No	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
Case 22	AG1-Ant0	Left Side	2.539	0mm	-25.00	-53.30	-202.60	114.7	4.53	0.08	Not required
	AG0-Ant1		1.991	0mm	-25.00	61.40	-202.60				
Case 23	AG1-Ant0	Left Side	2.539	0mm	-25.00	-53.30	-202.60	118.6	4.48	0.08	Not required
	AG0-Ant3		1.936	0mm	-25.00	65.30	-202.50				

Case No	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
Case 24	AG1-Ant9	Right Side	1.890	0mm	-25.00	57.60	-202.90	92.7	4.29	0.10	Not required
	AG0-Ant7		1.442	0mm	-25.00	-42.30	-203.00				
	WLAN		0.953	0mm	-25.00	-35.10	-203.00				

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.
3. WWAN antenna always chose the worst Axis among each frequency range (750MHz/835MHz/900MHz/1800MHz /2000MHz/2300MHz/2600MHz/3500MHz) within the selected antenna for each exposure position.

<Hotspot>

Front										
Freq.	Support Band		Ant0	Ant1	Ant2	Ant3	Ant4	Ant7	Ant8	Ant9
750MHz	LTE Band 12/13/14/17/71 FR1 n12/14/71	Max SAR	NA	0.344						
		Axis(X,Y,Z)	NA	X:-55 , Y:79.8 , Z:-202.9						
835MHz	GSM850 3TX WCDMA V LTE Band 5/26 FR1 n5/26	Max SAR	NA	0.404						
		Axis	NA	X:-55 , Y:84.9 , Z:-202.9						
1750MHz	WCDMA IV LTE Band 4/66 FR1 n70/66	Max SAR		0.817	0.527					
		Axis		X:-55 , Y:91 , Z:-202.9	X:-10 , Y:-79.2 , Z:-202.9					
1900MHz	GSM1900 3TX WCDMA II LTE Band 2/25 FR1 n2/25	Max SAR		0.560	0.585					
		Axis		X:-55 , Y:92.5 , Z:-202.9	X:-10 , Y:-78.2 , Z:-202.9					
2300MHz	LTE Band 30 FR1 n30	Max SAR		0.433	0.754					
		Axis		X:-25 , Y:83 , Z:-202.9	X:-5 , Y:-68 , Z:-202.9					
2600MHz	LTE Band 7/38/41 FR1 n7/38/41	Max SAR	NA	0.342	1.152		NA			
		Axis	NA	X:-35 , Y:84.3 , Z:-202.9	X:-5 , Y:-70.4 , Z:-202.9		NA			
3500/3700 /3900MHz	LTE Band 48 FR1 n48/77/78	Max SAR				0.407		NA	NA	NA
		Axis				X:-55 , Y:67.4 , Z:-202.9		NA	NA	NA
BT Ant4	SAR	0.043	WLAN2.4G Ant4+6	SAR	0.073					
	Axis	X:-25 , Y:71.4 , Z:-202.9		Axis	X:-15 , Y:79.7 , Z:-203					
BT Ant6	SAR	0.052	WLAN5G Ant5+7	SAR	0.150					
	Axis	X:15 , Y:35.4 , Z:-203		Axis	X:5 , Y:66.1 , Z:-202.9					

Back										
Freq.	Support Band		Ant0	Ant1	Ant2	Ant3	Ant4	Ant7	Ant8	Ant9
750MHz	LTE Band 12/13/14/17/71 FR1 n12/14/71	Max SAR	0.791	0.830						
		Axis	X:-10 , Y:-64.8 , Z:-202.9	X:-10 , Y:74.8 , Z:-202.9						
835MHz	GSM850 3TX WCDMA V LTE Band 5/26 FR1 n5/26	Max SAR	0.792	0.954						
		Axis	X:-10 , Y:-67.8 , Z:-202.9	X:-10 , Y:75.1 , Z:-202.9						
1750MHz	WCDMA IV LTE Band 4/66 FR1 n70/66	Max SAR		0.994	0.747					
		Axis		X:5 , Y:74.4 , Z:-202.9	X:-40 , Y:-76 , Z:-202.9					
1900MHz	GSM1900 3TX WCDMA II LTE Band 2/25 FR1 n2/25	Max SAR		0.991	0.870					
		Axis		X:5 , Y:75.1 , Z:-202.9	X:-40 , Y:-74.4 , Z:-202.9					
2300MHz	LTE Band 30 FR1 n30	Max SAR		0.903	0.951					
		Axis		X:-25 , Y:77.2 , Z:-202.9	X:-45 , Y:-68 , Z:-202.9					
2600MHz	LTE Band 7/38/41 FR1 n7/38/41	Max SAR	0.422	0.614	1.250		0.463			
		Axis	X:-5 , Y:-83.4 , Z:-202.9	X:-25 , Y:79.7 , Z:-202.9	X:-45 , Y:-67.2 , Z:-202.9		X:-55 , Y:82.7 , Z:-202.9			
3500/3700 /3900MHz	LTE Band 48 FR1 n48/77/78	Max SAR				0.924		0.387	0.984	0.507
		Axis				X:5 , Y:49.9 , Z:-202.9		X:-65 , Y:72.3 , Z:-202.9	X:-15 , Y:60.6 , Z:-202.9	X:-65 , Y:-51.2 , Z:-202.9
BT Ant4	SAR	0.101	WLAN2.4G Ant4+6	SAR	0.101					
	Axis	X:-55 , Y:77.3 , Z:-202.9		Axis	X:-55 , Y:77.3 , Z:-202.9					
BT Ant6	SAR	0.115	WLAN5G Ant5+7	SAR	0.115					
	Axis	X:-65 , Y:33.4 , Z:-203		Axis	X:-65 , Y:33.4 , Z:-203					

Left Side										
Freq.	Support Band		Ant0	Ant1	Ant2	Ant3	Ant4	Ant7	Ant8	Ant9
750MHz	LTE Band 12/13/14/17/71 FR1 n12/14/71	Max SAR	0.491	0.695						
		Axis	X:-25 , Y:-41.7 , Z:-203	X:-25 , Y:58.8 , Z:-203						
835MHz	GSM850 3TX WCDMA V LTE Band 5/26 FR1 n5/26	Max SAR	0.391	0.657						
		Axis	X:-25 , Y:-47.8 , Z:-203	X:-25 , Y:63.4 , Z:-203						
1750MHz	WCDMA IV LTE Band 4/66 FR1 n70/66	Max SAR		0.931	NA					
		Axis		X:-25 , Y:66.7 , Z:-203	NA					
1900MHz	GSM1900 3TX WCDMA II LTE Band 2/25 FR1 n2/25	Max SAR		0.986	NA					
		Axis		X:-25 , Y:69.6 , Z:-203	NA					
2300MHz	LTE Band 30 FR1 n30	Max SAR		0.585	NA					
		Axis		X:-25 , Y:71.4 , Z:-203	NA					
2600MHz	LTE Band 7/38/41 FR1 n7/38/41	Max SAR	0.860	0.123	NA		NA			
		Axis	X:-25 , Y:-54.2 , Z:-203	X:-25 , Y:77.5 , Z:-203	NA		NA			
3500/3700 /3900MHz	LTE Band 48 FR1 n48/77/78	Max SAR				0.989		NA	NA	NA
		Axis				X:-25 , Y:57.4 , Z:-203		NA	NA	NA

Right Side										
Freq.	Support Band		Ant0	Ant1	Ant2	Ant3	Ant4	Ant7	Ant8	Ant9
750MHz	LTE Band 12/13/14/17/71 FR1 n12/14/71	Max SAR	NA	NA						
		Axis	NA	NA						
835MHz	GSM850 3TX WCDMA V LTE Band 5/26 FR1 n5/26	Max SAR	NA	NA						
		Axis	NA	NA						
1750MHz	WCDMA IV LTE Band 4/66 FR1 n70/66	Max SAR		NA	0.193					
		Axis		NA	X:-25 , Y:68.6 , Z:-203					
1900MHz	GSM1900 3TX WCDMA II LTE Band 2/25 FR1 n2/25	Max SAR		NA	0.341					
		Axis		NA	X:-25 , Y:64.5 , Z:-203					
2300MHz	LTE Band 30 FR1 n30	Max SAR		NA	0.533					
		Axis		NA	X:-25 , Y:55.6 , Z:-203					
2600MHz	LTE Band 7/38/41 FR1 n7/38/41	Max SAR	NA	NA	0.882		NA			
		Axis	NA	NA	X:-25 , Y:53.5 , Z:-203		NA			
3500/3700 /3900MHz	LTE Band 48 FR1 n48/77/78	Max SAR				NA		0.398	NA	0.897
		Axis				NA		X:-25 , Y:-62.3 , Z:-203	NA	X:-25 , Y:57.1 , Z:-203
BT Ant4	SAR	0.027	WLAN2.4G Ant4+6	SAR	0.115					
	Axis	X:-25 , Y:-67.7 , Z:-203		Axis	X:-25 , Y:-35.3 , Z:-203.1					
BT Ant6	SAR	0.191	WLAN5G Ant5+7	SAR	0.189					
	Axis	X:-25 , Y:-36.8 , Z:-203.1		Axis	X:-25 , Y:-59.9 , Z:-203					

<Body-worn>

Front										
Freq.	Support Band		Ant0	Ant1	Ant2	Ant3	Ant4	Ant7	Ant8	Ant9
750MHz	LTE Band 12/13/14/17/71 FR1 n12/14/71	Max SAR	NA	0.344						
		Axis(X,Y,Z)	NA	X:-55 , Y:79.8 , Z:-202.9						
835MHz	GSM850 3TX WCDMA V LTE Band 5/26 FR1 n5/26	Max SAR	NA	0.404						
		Axis	NA	X:-55 , Y:84.9 , Z:-202.9						
1750MHz	WCDMA IV LTE Band 4/66 FR1 n70/66	Max SAR		0.817	0.527					
		Axis		X:-55 , Y:91 , Z:-202.9	X:-10 , Y:-79.2 , Z:-202.9					
1900MHz	GSM1900 3TX WCDMA II LTE Band 2/25 FR1 n2/25	Max SAR		0.560	0.585					
		Axis		X:-55 , Y:92.5 , Z:-202.9	X:-10 , Y:-78.2 , Z:-202.9					
2300MHz	LTE Band 30 FR1 n30	Max SAR		0.433	0.754					
		Axis		X:-25 , Y:83 , Z:-202.9	X:-5 , Y:-68 , Z:-202.9					
2600MHz	LTE Band 7/38/41 FR1 n7/38/41	Max SAR	NA	0.342	1.152		NA			
		Axis	NA	X:-35 , Y:84.3 , Z:-202.9	X:-5 , Y:-70.4 , Z:-202.9		NA			
3500/3700 /3900MHz	LTE Band 48 FR1 n48/77/78	Max SAR				0.407		NA	NA	NA
		Axis				X:-55 , Y:67.4 , Z:-202.9		NA	NA	NA
BT Ant4	SAR	0.043	WLAN2.4G Ant4+6	SAR	0.073	WLAN6G Ant5+7	SAR	0.042		
	Axis	X:-25 , Y:71.4 , Z:-202.9		Axis	X:-15 , Y:79.7 , Z:-203		Axis	X:0.5 , Y:70.6 , Z:-202.9		
BT Ant6	SAR	0.052	WLAN5G Ant5+7	SAR	0.149					
	Axis	X:15 , Y:35.4 , Z:-203		Axis	X:5 , Y:66.1 , Z:-202.9					

Back										
Freq.	Support Band		Ant0	Ant1	Ant2	Ant3	Ant4	Ant7	Ant8	Ant9
750MHz	LTE Band 12/13/14/17/71 FR1 n12/14/71	Max SAR	0.791	0.830						
		Axis	X:-10 , Y:-64.8 , Z:-202.9	X:-10 , Y:74.8 , Z:-202.9						
835MHz	GSM850 3TX WCDMA V LTE Band 5/26 FR1 n5/26	Max SAR	0.792	0.954						
		Axis	X:-10 , Y:-67.8 , Z:-202.9	X:-10 , Y:75.1 , Z:-202.9						
1750MHz	WCDMA IV LTE Band 4/66 FR1 n70/66	Max SAR		0.994	0.747					
		Axis		X:5 , Y:74.4 , Z:-202.9	X:-40 , Y:-76 , Z:-202.9					
1900MHz	GSM1900 3TX WCDMA II LTE Band 2/25 FR1 n2/25	Max SAR		0.991	0.870					
		Axis		X:5 , Y:75.1 , Z:-202.9	X:-40 , Y:-74.4 , Z:-202.9					
2300MHz	LTE Band 30 FR1 n30	Max SAR		0.903	0.951					
		Axis		X:-25 , Y:77.2 , Z:-202.9	X:-45 , Y:-68 , Z:-202.9					
2600MHz	LTE Band 7/38/41 FR1 n7/38/41	Max SAR	0.422	0.614	1.250		0.492			
		Axis	X:-5 , Y:-83.4 , Z:-202.9	X:-25 , Y:79.7 , Z:-202.9	X:-45 , Y:-67.2 , Z:-202.9		X:-55 , Y:82.7 , Z:-202.9			
3500/3700 /3900MHz	LTE Band 48 FR1 n48/77/78	Max SAR				0.924		0.398	0.984	0.507
		Axis				X:5 , Y:49.9 , Z:-202.9		X:-65 , Y:72.3 , Z:-202.9	X:-15 , Y:60.6 , Z:-202.9	X:-65 , Y:-51.2 , Z:-202.9
BT Ant4	SAR	0.101	WLAN2.4G Ant4+6	SAR	0.140	WLAN6G Ant5+7	SAR	0.116		
	Axis	X:-55 , Y:77.3 , Z:-202.9		Axis	X:-35 , Y:74.7 , Z:-203		Axis	X:-50 , Y:62.2 , Z:-203		
BT Ant6	SAR	0.115	WLAN5G Ant5+7	SAR	0.170					
	Axis	X:-65 , Y:33.4 , Z:-203		Axis	X:-55 , Y:62.1 , Z:-202.9					

<Product Specific 10g SAR>

Front										
Freq.	Support Band		Ant0	Ant1	Ant2	Ant3	Ant4	Ant7	Ant8	Ant9
750MHz	LTE Band 12/13/14/17/71 FR1 n12/14/71	Max SAR	NA	NA	NA					
		Axis(X,Y,Z)	NA	NA	NA					
835MHz	GSM850 3TX WCDMA V LTE Band 5/26 FR1 n5/26	Max SAR	NA	NA	NA					
		Axis	NA	NA	NA					
1750MHz	WCDMA IV LTE Band 4/66 FR1 n70/66	Max SAR		1.310	NA					
		Axis		X:-70 , Y:78.3 , Z:-202.2	NA					
1900MHz	GSM1900 3TX WCDMA II LTE Band 2/25 FR1 n2/25	Max SAR		1.313	NA					
		Axis		X:-55 , Y:85.3 , Z:-202.7	NA					
2300MHz	LTE Band 30 FR1 n30	Max SAR		1.781	NA					
		Axis		X:-55 , Y:80.1 , Z:-202.6	NA					
2600MHz	LTE Band 7/38/41 FR1 n7/38/41	Max SAR	NA	1.232	1.723		NA			
		Axis	NA	X:-35 , Y:81.8 , Z:-202.6	X:-5.0 , Y:-73.4 , Z:-202.6		NA			
3500/3700 /3900MHz	LTE Band 48 FR1 n48/77/78	Max SAR				NA		NA	NA	NA
		Axis				NA		NA	NA	NA
WLAN2.4G Ant4+6	SAR	0.481	WLAN5G Ant5+7	SAR	0.756	WLAN6G Ant5+7	SAR	0.065		
	Axis	X:-5 , Y:77.7 , Z:-202.7		Axis	X:-5 , Y:70 , Z:-202.6		Axis	X:0.5 , Y:68.8 , Z:-202.6		

Back										
Freq.	Support Band		Ant0	Ant1	Ant2	Ant3	Ant4	Ant7	Ant8	Ant9
750MHz	LTE Band 12/13/14/17/71 FR1 n12/14/71	Max SAR	NA	NA	NA					
		Axis(X,Y,Z)	NA	NA	NA					
835MHz	GSM850 3TX WCDMA V LTE Band 5/26 FR1 n5/26	Max SAR	NA	NA	NA					
		Axis	NA	NA	NA					
1750MHz	WCDMA IV LTE Band 4/66 FR1 n70/66	Max SAR		1.837	1.690					
		Axis		X:5 , Y:77.9 , Z:-202.6	X:-40 , Y:-75.4 , Z:-202.6					
1900MHz	GSM1900 3TX WCDMA II LTE Band 2/25 FR1 n2/25	Max SAR		1.790	1.986					
		Axis		X:5 , Y , 76.3 , Z:-202.5	X:-40 , Y:-69.1 , Z:-202.7					
2300MHz	LTE Band 30 FR1 n30	Max SAR		1.659	NA					
		Axis		X:5 , Y:73.9 , Z:-202.5	NA					
2600MHz	LTE Band 7/38/41 FR1 n7/38/41	Max SAR	NA	1.693	1.994		NA			
		Axis	NA	X:-5 , Y:75.4 , Z:-202.7	X:-45 , Y:-61.7 , Z:-202.7		NA			
3500/3700 /3900MHz	LTE Band 48 FR1 n48/77/78	Max SAR				1.989		NA	1.990	NA
		Axis				X:5 , Y:45.7 , Z:-202.7		NA	X:-5 , Y:53.5 , Z:-202.6	NA
WLAN2.4G Ant4+6	SAR	0.224	WLAN5G Ant5+7	SAR	0.219	WLAN6G Ant5+7	SAR	0.084		
	Axis	X:-45 , Y:77 , Z:-202.6		Axis	X:-65 , Y:49.6 , Z:-202.4		Axis	X:-59 , Y:53.5 , Z:-202.8		

Left Side										
Freq.	Support Band		Ant0	Ant1	Ant2	Ant3	Ant4	Ant7	Ant8	Ant9
750MHz	LTE Band 12/13/14/17/71 FR1 n12/14/71	Max SAR	NA	NA	NA					
		Axis(X,Y,Z)	NA	NA	NA					
835MHz	GSM850 3TX WCDMA V LTE Band 5/26 FR1 n5/26	Max SAR	NA	NA	NA					
		Axis	NA	NA	NA					
1750MHz	WCDMA IV LTE Band 4/66 FR1 n70/66	Max SAR		1.543	NA					
		Axis		X:-25 , Y:61.4 , Z:-202.6	NA					
1900MHz	GSM1900 3TX WCDMA II LTE Band 2/25 FR1 n2/25	Max SAR		1.991	NA					
		Axis		X:-25 , Y:66.3 , Z:-202.6	NA					
2300MHz	LTE Band 30 FR1 n30	Max SAR		1.362	NA					
		Axis		X:-25 , Y:68.2 , Z:-202.5	NA					
2600MHz	LTE Band 7/38/41 FR1 n7/38/41	Max SAR	2.539	NA	NA		NA			
		Axis	X:-25 , Y:-53.3 , Z:-202.6	NA	NA		NA			
3500/3700 /3900MHz	LTE Band 48 FR1 n48/77/78	Max SAR				1.936		NA	NA	NA
		Axis				X:-25 , Y:65.3 , Z:-202.5		NA	NA	NA

Right Side										
Freq.	Support Band		Ant0	Ant1	Ant2	Ant3	Ant4	Ant7	Ant8	Ant9
750MHz	LTE Band 12/13/14/17/71 FR1 n12/14/71	Max SAR	NA	NA	NA					
		Axis(X,Y,Z)	NA	NA	NA					
835MHz	GSM850 3TX WCDMA V LTE Band 5/26 FR1 n5/26	Max SAR	NA	NA	NA					
		Axis	NA	NA	NA					
1750MHz	WCDMA IV LTE Band 4/66 FR1 n70/66	Max SAR		NA	NA					
		Axis		NA	NA					
1900MHz	GSM1900 3TX WCDMA II LTE Band 2/25 FR1 n2/25	Max SAR		NA	NA					
		Axis		NA	NA					
2300MHz	LTE Band 30 FR1 n30	Max SAR		NA	NA					
		Axis		NA	NA					
2600MHz	LTE Band 7/38/41 FR1 n7/38/41	Max SAR	NA	NA	NA		NA			
		Axis	NA	NA	NA		NA			
3500/3700 /3900MHz	LTE Band 48 FR1 n48/77/78	Max SAR				NA		1.442	NA	1.890
		Axis				NA		X:-25 , Y:-42.3 , Z:-203	NA	X:-25 , Y:57.6 , Z:-202.9
WLAN2.4G Ant4+6	SAR	0.592	WLAN5G Ant5+7	SAR	0.953	WLAN6G Ant5+7	SAR	0.127		
	Axis	X:-25 , Y:-35.1 , Z:-203		Axis	X:-25 , Y:-39.5 , Z:-203		Axis	X:-25 , Y:-39.2 , Z:-203		

18. Supplemental tuner tests results

General Note:

1. This device implements impedance tuner (144 states) antenna tuning techniques in the LTE Band 5/12/13/14/17/26 /71, 5GNR n5/n12/n14/n26/n71 for ANT0.
2. This device implements impedance tuner (143 states) antenna tuning techniques in the LTE Band 2/4/5/12/13/14/17 /66/25/30/7/41, 5GNR n2/n5/n26/n66/n25/n30/n7/n41 for ANT1.
3. LTE B17 / B5 / B4 / B2 / B38 SAR test was covered by LTE B12 / B26 / B66 / B25 / B41; according to April 2015 TCB workshop, SAR test for overlapping LTE bands can be reduced.
4. 5GNR n26 / n25 / n41 SAR test was covered by 5GNR n5 / n2 / n38; according to April 2015 TCB workshop, SAR test for overlapping NR bands can be reduced.
5. SAR test proposal was measured according to the normally required SAR configurations with the tuner active and worst tune state (auto tune) was used for SAR testing and this design will provide the highest power at different user scenarios and would not influence to the antenna characteristics other than impedance matching. The additional tuner hardware has no influence to the antenna characteristics, other than impedance matching.
6. The following test procedure was followed to demonstrate that the SAR results in this report represent the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR will be measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Additional single point SAR time-sweep measurements will be evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values.
7. To evaluate all of the tuner states, the 144 tuner states for ANT0 and the impedance tuner 143 states for ANT1 are divided evenly among band, mode and exposure combinations so that at least one single point SAR measurement is measured in each configuration. Single point time-sweep measurements will be performed at the peak SAR location determined by the zoom scan of the configuration with the highest reported SAR for each combination. The tuner state will be established remotely so that the device is not moved for the entire series of single point SAR for the tuner states in each combination. The SAR probe will remain stationary at the same position throughout the entire series of single point measurements for each combination.
8. According to April 2019 TCB workshop, total number tuner states divided evenly among each supported band / air interface and exposure condition combination.
9. According to April 2019 TCB workshop, if any single point SAR measurement result is > 1.2 W/kg for a band/exposure condition combination set, all supported tuner states are evaluated with single point SAR measurements for the combination. So we verified the single point SAR that bands with SAR value high than 1.2W/kg.
10. The tuner state was established remotely through Wi-Fi so that the device is not moved for the entire series of single point SAR for the tuner states in each combination (band, mode, exposure conditions).
11. The operational decryption contains more information about the design and implementation of the dynamic antenna tuning.

18.1 Supplemental Tuner Head & Body SAR Results

Please refer to Appendix F.

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19. Uncertainty Assessment

Per KDB 865664 D01 SAR measurement 100MHz to 6GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg and the measured 10-g SAR within a frequency band is < 3.75 W/kg. The expanded SAR measurement uncertainty must be ≤ 30%, for a confidence interval of k = 2. If these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. For this device, the highest measured 1-g SAR is less 1.5W/kg and highest measured 10-g SAR is less 3.75W/kg. Therefore, the measurement uncertainty table is not required in this report.

20. References

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

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

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

[4] SPEAG DASY System Handbook

[5] FCC KDB 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.

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

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

[9] FCC KDB 616217 D04 v01r02, “SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers”, Oct 2015

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

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

[12] FCC KDB 941225 D05A v01r02, “Rel. 10 LTE SAR Test Guidance and KDB Inquiries”, Oct 2015

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

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

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