

<3GPP 38.101 MPR for EN-DC>
Table 6.2.2-1 Maximum power reduction (MPR) for power class 3

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

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

NOTE 2: Applicable for UE operating in FDD mode, or in TDD mode in bands other than n40, n41, n77, n78 and n79 with Pi/2 BPSK modulation and if the IE powerBoostPi2BPSK is set to 0 and if more than 40 % of slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79.

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

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

<Inter Band EN-DC Configuration>

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



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

Inter-Band CA Configuration:

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

NR UL MIMO Bands Configuration:

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



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

The detailed conducted power table can refer to Appendix E.

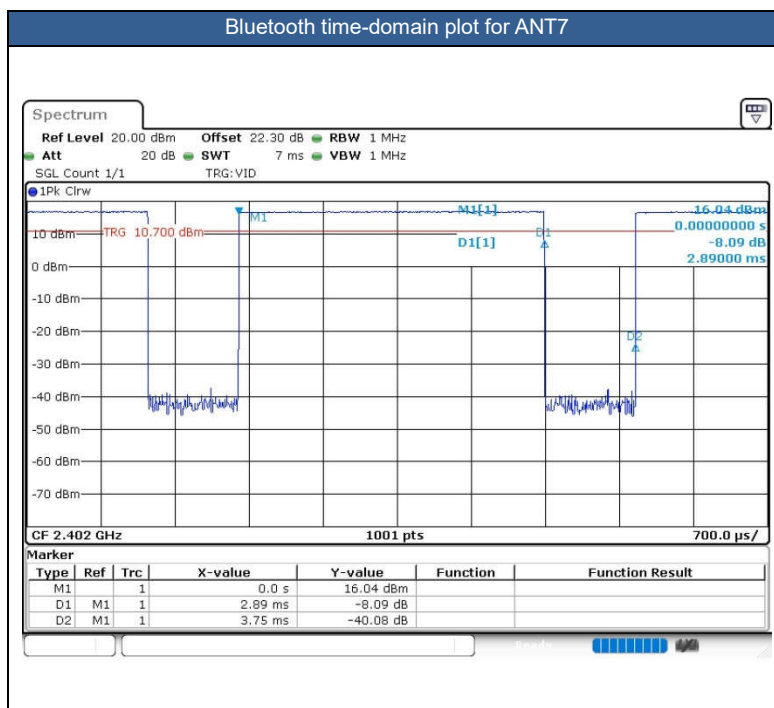
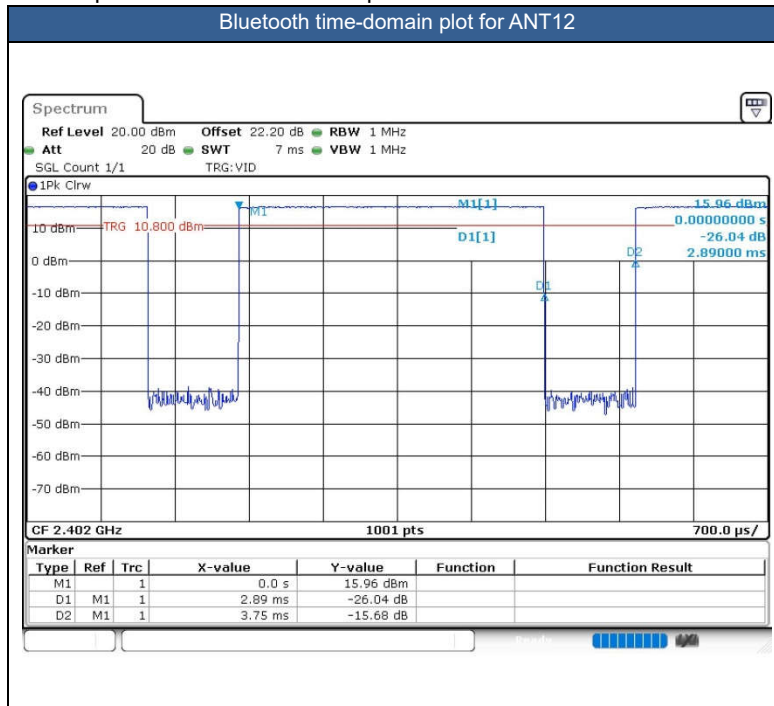
General Note:

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

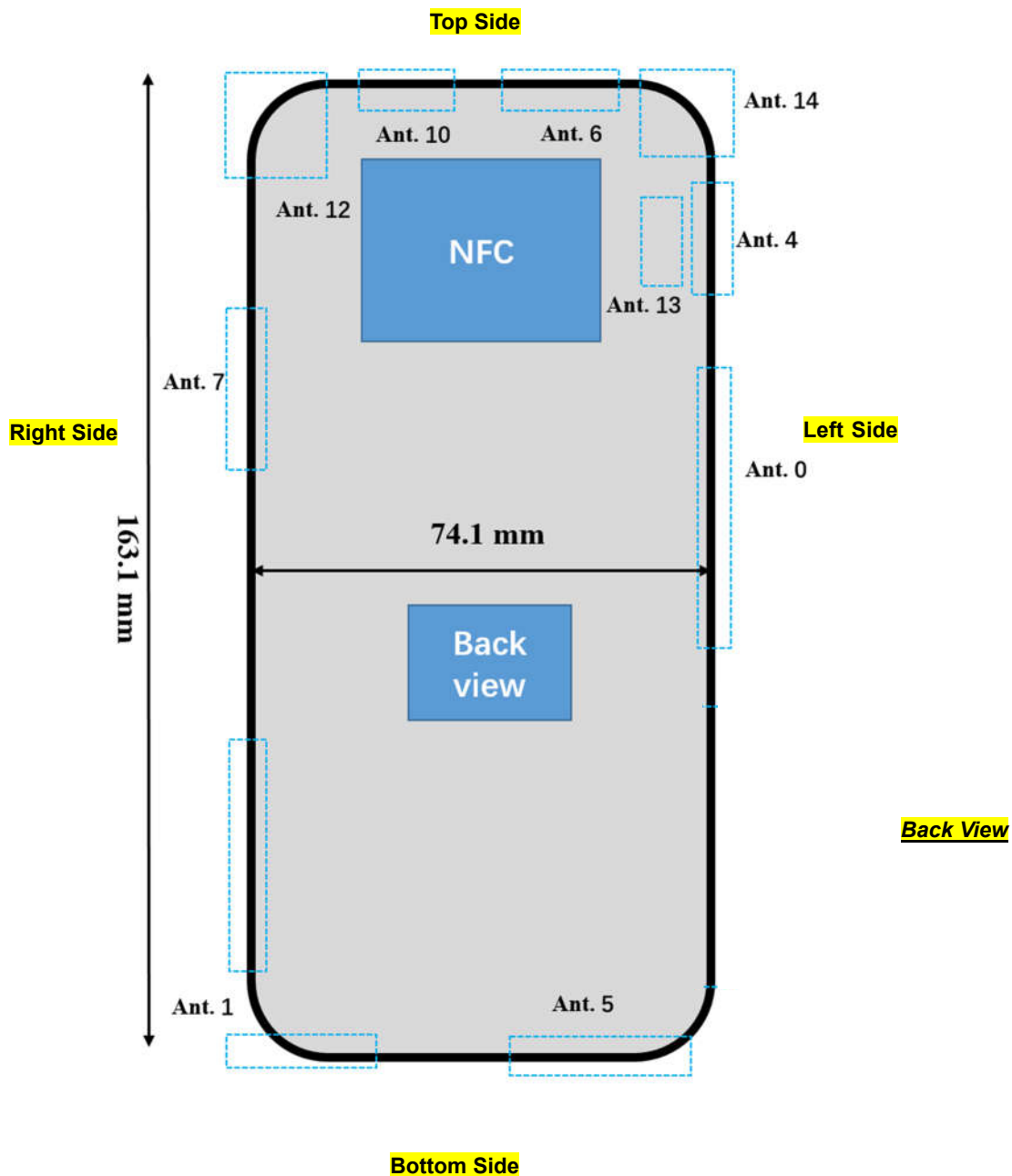
<2.4GHz Bluetooth>

General Note:

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



17. Antenna Location



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

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

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

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

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

General Note:

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

18. SAR Test Results

General Note:

1. Per KDB 447498 D01v06, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - b. For SAR testing of BT/WLAN signal with non-100% duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle)"
 - c. For WWAN: Reported SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
 - d. For BT/WLAN: Reported SAR(W/kg)= Measured SAR(W/kg)* Duty Cycle scaling factor * Tune-up scaling factor
 - e. For TDD LTE SAR measurement of power class 3, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix 63.3%/62.9% = 1.006 is applied to scale-up the measured SAR result. The Reported TDD LTE SAR (W/kg) = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.
 - f. For TDD LTE SAR measurement of power class 2, the duty cycle 1:2.33 (42.9 %) was used perform testing and considering the theoretical duty cycle of 43.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 42.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix 43.3%/42.9% = 1.009 is applied to scale-up the measured SAR result. The reported TDD LTE SAR (W/kg) = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.
2. Per KDB 447498 D01v06, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the *reported* 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
 - ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
 - ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz
3. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥ 0.8W/kg. Per KDB 865664 D01v01r04, if the extremity repeated SAR is necessary, the same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.
4. Per KDB 648474 D04v01r03, when the reported SAR for a body-worn accessory measured without a headset connected to the handset is ≤ 1.2 W/kg, SAR testing with a headset connected to the handset is not required.
5. The device implements the power management and proximity sensor /receiver detection/hotspot mode for SAR compliance at different exposure conditions (head, body-worn, hotspot/extremity) and the Qualcomm smart transmit will manage to ensure the power level not exceeding the associated power table. It uses the receiver to indicate whether the user is making a call in head scenario or not. The selection between head and body power levels is based on the receiver detection mechanism. It can determine proximity to head or body and set the relevant power level for 2G&3G&4G&5G and Wi-Fi antennas accordingly. Details about the power management decision and sensor detection are provided in the operational description. And the device will invoke corresponding work scenarios power level base on frequency bands/antennas, which can refer to power table at appendix E. Power table (DSI 5/10/15: receiver on head power, DSI 17: hotspot on power, DSI 1/6/11: P-sensor on body for ANT4/6/13, DSI 2/7/12: P-sensor on body for ANT1, DSI 4/9/14: Receiver off/sensor off for body).
6. For WLAN/BT when transmit simultaneous with WWAN, power reduction will be activated to head, hotspot, body-worn and extremity.
7. LTE band 41, 5GNR n41/n77/n78 supports HPUE, HPUE power and SAR testing performed separately.
8. This device supports HPUE for LTE band 41 with class 2 level, HPUE power have been measured separately. For HPUE power is higher than power class 3 but with lower duty cycle, the maximum average power for class 2 and class 3 is almost the same , so we chose power class 3 full SAR testing and power class 2 verify the worst case of power class 3 SAR.
9. 5GNR n41/n77/n78 HUPE with higher power, 5GNR n41/n77/n78 HUPE SAR can represent power class 3 level SAR.
10. 5GNR n41/n77/n78 supports UL MIMO and limit to SA mode, and 5GNR UL MIMO only supports CP-OFDM modulation.
11. For 5G NR test, using FTM (Factory Test Mode) to perform SAR with default 100% transmission.
12. NSA and SA mode should perform SAR separately. For the maximum power of NSA mode is the same as SA total power level, so SA standalone total power level SAR can represent NSA mode SAR.
13. 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.
14. 5G NR supports CP-OFDM and DFT-s-OFDM modulation, for DFT-s-OFDM power is higher than CP-OFDM, so only show

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

15. For DFT-s-OFDM and CP-OFDM output power measurement reduction, according to 38.101 maximum power reduction for the CP-OFDM mode will not higher than DFT-s-OFDM mode, therefore, CP-OFDM measurement is unnecessary.
16. Per KDB648474 D04v01r03, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm, when hotspot mode applies, 10-g product specific SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg, however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold,
 - a. WCDMA II/IV, LTE B2/4/5/7/25/26/30/38/41/48/66, 5G NR n2/n7/n25/n30/n38/n41/n48/n66/n77/n78, and WLAN2.4/5.8GHz is required to be tested.
 - b. WLAN 5.3/5.5GHz tested the product specific 10g SAR since it has no hotspot mode.
 - c. When 10-g product specific 10g SAR is considered, SAR thresholds is specified in the procedures for SAR test reduction and exclusion should be multiplied by 2.5.
17. For distance SAR and non-distance SAR always chose higher SAR to do co-located analysis.

GSM Note:

1. Per KDB 941225 D01v03r01, for SAR test reduction for GSM / GPRS / EDGE / DTM modes is determined by the source-based time-averaged output power including tune-up tolerance. The mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.
2. Other configurations of GSM / GPRS / EDGE / DTM are considered as secondary modes. Both primary and secondary modes must be in the same frequency band. The 3G SAR test reduction procedure is applied, when the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq \frac{1}{4}$ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

UMTS Note:

1. Per KDB 941225 D01v03r01, for SAR testing is measured using a 12.2 kbps RMC with TPC bits configured to all "1's".
2. Per KDB 941225 D01v03r01, RMC 12.2kbps setting is used to evaluate SAR. The maximum output power and tune-up tolerance specified for production units in HSDPA / HSUPA / DC-HSDPA / HSPA+ is $\leq \frac{1}{4}$ dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA / DC-HSDPA / HSPA+ to RMC12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA / HSPA+, and according to the following RF output power, the output power results of the secondary modes (HSUPA, HSDPA, DC-HSDPA / HSPA+) are less than $\frac{1}{4}$ dB higher than the primary modes; therefore, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA / HSPA+.

LTE Note:

1. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
2. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
3. Per KDB 941225 D05v02r05, For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
4. Per KDB 941225 D05v02r05, 16QAM/64QAM/256QAM output power for each RB allocation configuration is > not $\frac{1}{2}$ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, 16QAM/64QAM/256QAM SAR testing is not required.
5. Per KDB 941225 D05v02r05, Smaller bandwidth output power for each RB allocation configuration is > not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, smaller bandwidth SAR testing is not required.
6. For LTE B4 / B5 / B12 / B17 / B26 / B38 / B71 the maximum bandwidth does not support three non-overlapping channels, per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.
7. LTE band 2/4/5/17/38 SAR test was covered by Band 25/66/26/12/41; according to TCB workshop, SAR test for overlapping LTE bands can be reduced if
 - a. The maximum output power, including tolerance, for the smaller band is $\leq$ the larger band to qualify for the SAR test

exclusion.

- b. The channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band.

5G NR Note:

1. For 5G NR test procedure was following step similar FCC KDB 941225 D05:
 - a. SAR testing start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
 - b. 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure
 - c. QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
 - d. $\pi/2$ BPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not $\frac{1}{2}$ dB higher than the same configuration in $\pi/2$ BPSK, also reported SAR for the QPSK configuration is less than 1.45 W/kg, $\pi/2$ BPSK/16QAM/64QAM/256QAM SAR testing are not required.
 - e. Smaller bandwidth output power for each RB allocation configuration for this device will not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device
 - f. This device supports both 5G NR n2/n38 and 5G NR n25/n41. Since the supported frequency span for 5G NR n2/n38 falls completely within the supports frequency span for 5G NR n25/n41, both NR bands have the same target power, and both NR bands share the same transmission path; therefore, SAR was only assessed for 5G NR n25/n41.
 - g. For 5G FR1 n5/n7/n25/n38/n41/n66/n71/n77 the maximum bandwidth does not support three non-overlapping channels, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

WLAN Note:

1. Per KDB 248227 D01v02r02, for 2.4GHz 802.11g/n SAR testing is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
2. Per KDB 248227 D01v02r02, U-NII-1 or U-NII-2A SAR testing is not required when the U-NII-1 or U-NII-2A band highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band or U-NII-2A.
3. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is ≤ 0.8 W/kg or all required test position are tested.
4. For all positions / configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions / configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.
5. During SAR testing the WLAN transmission was verified using a spectrum analyzer.
6. For full RU and partial tone size output power measurement, after verification for the partial tone size mode power level will not higher than full tone size power level, so chose full tone power to be measured in this report.
7. When multiple transmission modes (802.11a/g/n/ac/ax/be) have the same specified maximum output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac then 802.11ax then 802.11be or 802.11g is chosen over 802.11n.
8. SISO and MIMO all supported by WLAN2.4GHz/WLAN5GHz, for head exposure condition, the single antenna RF power in MIMO mode is less than the single antenna RF power in SISO mode, SAR testing was performed on SISO mode, for MIMO SAR based on standalone SAR to be summed together as MIMO SAR. For hotspot/body-worn/extremity exposure condition, the single antenna RF power in MIMO mode is less than the single antenna RF power in SISO mode, SAR testing was performed on SISO mode, for MIMO SAR based on standalone SAR to be summed together as MIMO SAR
9. For the conducted power measurement is MIMO chains transmitting simultaneously and measured the separately conducted power for both chains and then based on the conducted power of two antennas respectively to calculate sum of the power for MIMO mode.

**18.1 Head SAR**

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
750MHz																		
01	LTE Band 71	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 5	133297	680.5	23.81	24.30	1.119	-0.11	0.402	0.450
	LTE Band 71	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 5	133297	680.5	23.81	24.30	1.119	0.11	0.079	0.088
	LTE Band 71	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 5	133297	680.5	23.81	24.30	1.119	0.05	0.769	0.861
	LTE Band 71	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 5	133297	680.5	23.81	24.30	1.119	-0.1	0.115	0.129
	LTE Band 71	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 10/15	133297	680.5	23.05	23.80	1.189	0.05	0.618	0.734
	LTE Band 71	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DSI 5	133297	680.5	22.93	23.30	1.089	0.12	0.345	0.376
	LTE Band 71	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	DSI 5	133297	680.5	22.93	23.30	1.089	0.01	0.067	0.073
	LTE Band 71	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DSI 5	133297	680.5	22.93	23.30	1.089	-0.04	0.723	0.787
	LTE Band 71	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	DSI 5	133297	680.5	22.93	23.30	1.089	0.08	0.097	0.106
	LTE Band 71	20M	QPSK	100	0	-	Left Cheek	0mm	Ant 0	DSI 5	133297	680.5	22.81	23.30	1.119	-0.04	0.716	0.802
	LTE Band 71	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 5/10/15	133297	680.5	24.04	24.80	1.191	0.05	0.088	0.105
	LTE Band 71	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 5/10/15	133297	680.5	24.04	24.80	1.191	-0.1	0.052	0.062
	LTE Band 71	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 5/10/15	133297	680.5	24.04	24.80	1.191	-0.09	0.061	0.073
	LTE Band 71	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 5/10/15	133297	680.5	24.04	24.80	1.191	-0.05	0.006	0.008
	LTE Band 71	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 5/10/15	133297	680.5	23.14	23.80	1.164	-0.06	0.082	0.095
02	LTE Band 71	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 5/10/15	133297	680.5	23.14	23.80	1.164	-0.1	0.047	0.055
	LTE Band 71	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DSI 5/10/15	133297	680.5	23.14	23.80	1.164	-0.15	0.063	0.073
	LTE Band 71	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DSI 5/10/15	133297	680.5	23.14	23.80	1.164	-0.03	0.004	0.005
	LTE Band 12	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 5	23095	707.5	23.82	24.30	1.117	-0.08	0.401	0.448
	LTE Band 12	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 5	23095	707.5	23.82	24.30	1.117	-0.12	0.080	0.089
	LTE Band 12	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 5	23095	707.5	23.82	24.30	1.117	-0.13	0.971	1.084
	LTE Band 12	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 5	23095	707.5	23.82	24.30	1.117	-0.05	0.122	0.136
	LTE Band 12	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 10/15	23095	707.5	22.19	22.80	1.151	0.06	0.635	0.731
	LTE Band 12	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 0	DSI 5	23095	707.5	22.84	23.30	1.112	0.1	0.315	0.350
	LTE Band 12	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 0	DSI 5	23095	707.5	22.84	23.30	1.112	-0.02	0.062	0.069
	LTE Band 12	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 0	DSI 5	23095	707.5	22.84	23.30	1.112	0.14	0.693	0.770
	LTE Band 12	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 0	DSI 5	23095	707.5	22.84	23.30	1.112	0.1	0.096	0.107
	LTE Band 12	10M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DSI 5	23095	707.5	22.79	23.30	1.125	-0.06	0.677	0.761
	LTE Band 12	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 5/10/15	23095	707.5	24.00	24.80	1.202	-0.1	0.118	0.142
	LTE Band 12	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 5/10/15	23095	707.5	24.00	24.80	1.202	0.16	0.078	0.094
	LTE Band 12	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 5/10/15	23095	707.5	24.00	24.80	1.202	-0.14	0.093	0.112
03	LTE Band 12	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 5/10/15	23095	707.5	24.00	24.80	1.202	0.1	0.058	0.070
	LTE Band 12	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 1	DSI 5/10/15	23095	707.5	23.01	23.80	1.199	0.04	0.096	0.115
	LTE Band 12	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 1	DSI 5/10/15	23095	707.5	23.01	23.80	1.199	0.09	0.063	0.076
	LTE Band 12	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 1	DSI 5/10/15	23095	707.5	23.01	23.80	1.199	-0.13	0.075	0.090
	LTE Band 12	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 1	DSI 5/10/15	23095	707.5	23.01	23.80	1.199	0.07	0.044	0.053
	LTE Band 13	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 5	23230	782	23.78	24.30	1.127	0.02	0.306	0.345
	LTE Band 13	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 5	23230	782	23.78	24.30	1.127	0.14	0.068	0.077
	LTE Band 13	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 5	23230	782	23.78	24.30	1.127	-0.19	0.908	1.023
	LTE Band 13	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 5	23230	782	23.78	24.30	1.127	-0.08	0.100	0.113
	LTE Band 13	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 10/15	23230	782	22.77	23.30	1.130	0.01	0.633	0.715
	LTE Band 13	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 0	DSI 5	23230	782	22.80	23.30	1.122	0.05	0.249	0.279
	LTE Band 13	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 0	DSI 5	23230	782	22.80	23.30	1.122	0.01	0.056	0.063
	LTE Band 13	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 0	DSI 5	23230	782	22.80	23.30	1.122	-0.08	0.656	0.736
	LTE Band 13	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 0	DSI 5	23230	782	22.80	23.30	1.122	0.09	0.079	0.089
	LTE Band 13	10M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DSI 5	23230	782	22.76	23.30	1.132	0.08	0.627	0.710
	LTE Band 13	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 5/10/15	23230	782	23.95	24.80	1.216	-0.07	0.167	0.203
	LTE Band 13	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 5/10/15	23230	782	23.95	24.80	1.216	-0.01	0.103	0.125
	LTE Band 13	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 5/10/15	23230	782	23.95	24.80	1.216	0.05	0.121	0.147
	LTE Band 13	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 5/10/15	23230	782	23.95	24.80	1.216	0.03	0.071	0.086
	LTE Band 13	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 1	DSI 5/10/15	23230	782	22.99	23.80	1.205	-0.13	0.136	0.164



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



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



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



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



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



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



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



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

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



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



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



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



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



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Report No. : FA2O2001

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



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



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



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



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



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Report No. : FA2O2001

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



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



18.2 Hotspot SAR

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



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



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



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



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



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



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



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



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



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



FCC SAR TEST REPORT

Report No. : FA2O2001

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



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	LTE Band 48	20M	QPSK	50	0	-	Front	10mm	Ant 13	DSI 17	55340	3560	21.66	22.80	1.300	62.9	1.006	0.01	0.203	0.266
	LTE Band 48	20M	QPSK	50	0	-	Back	10mm	Ant 13	DSI 17	55340	3560	21.66	22.80	1.300	62.9	1.006	-0.09	0.442	0.578
	LTE Band 48	20M	QPSK	50	0	-	Left Side	10mm	Ant 13	DSI 17	55340	3560	21.66	22.80	1.300	62.9	1.006	0.16	0.272	0.356
	LTE Band 48	20M	QPSK	50	0	-	Top Side	10mm	Ant 13	DSI 17	55340	3560	21.66	22.80	1.300	62.9	1.006	0.09	0.108	0.141
	LTE Band 48	20M	QPSK	100	0	-	Back	10mm	Ant 13	DSI 17	55340	3560	19.90	20.80	1.230	62.9	1.006	0.01	0.430	0.532
	Part 96 n48	40M	QPSK	1	1	DFT-30	Front	10mm	Ant 6	DSI 17	6416663624.99	17.75	18.70	1.245	-	-	-0.02	0.224	0.279	
	Part 96 n48	40M	QPSK	1	1	DFT-30	Back	10mm	Ant 6	DSI 17	6416663624.99	17.75	18.70	1.245	-	-	-0.01	0.325	0.404	
	Part 96 n48	40M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 6	DSI 17	6416663624.99	17.75	18.70	1.245	-	-	0.12	0.075	0.093	
	Part 96 n48	40M	QPSK	1	1	DFT-30	Top Side	10mm	Ant 6	DSI 17	6416663624.99	17.75	18.70	1.245	-	-	0.06	0.392	0.488	
	Part 96 n48	40M	QPSK	1	1	DFT-30	Top Side	10mm	Ant 6	DSI 17	638000 3570	17.70	18.70	1.259	-	-	-0.13	0.451	0.568	
	Part 96 n48	40M	QPSK	1	1	DFT-30	Top Side	10mm	Ant 6	DSI 17	6453323679.98	17.70	18.70	1.259	-	-	-0.04	0.426	0.536	
	Part 96 n48	40M	QPSK	50	28	DFT-30	Front	10mm	Ant 6	DSI 17	6416663624.99	17.66	18.70	1.271	-	-	-0.05	0.231	0.294	
	Part 96 n48	40M	QPSK	50	28	DFT-30	Back	10mm	Ant 6	DSI 17	6416663624.99	17.66	18.70	1.271	-	-	0.07	0.336	0.427	
	Part 96 n48	40M	QPSK	50	28	DFT-30	Left Side	10mm	Ant 6	DSI 17	6416663624.99	17.66	18.70	1.271	-	-	0.04	0.081	0.103	
	Part 96 n48	40M	QPSK	50	28	DFT-30	Top Side	10mm	Ant 6	DSI 17	6416663624.99	17.66	18.70	1.271	-	-	0.14	0.418	0.531	
	Part 96 n48	40M	QPSK	50	28	DFT-30	Top Side	10mm	Ant 6	DSI 17	638000 3570	17.56	18.70	1.300	-	-	-0.07	0.508	0.660	
	Part 96 n48	40M	QPSK	50	28	DFT-30	Top Side	10mm	Ant 6	DSI 17	6453323679.98	17.49	18.70	1.321	-	-	0.16	0.442	0.584	
	Part 96 n48	40M	QPSK	100	0	DFT-30	Top Side	10mm	Ant 6	DSI 17	6416663624.99	17.67	18.70	1.268	-	-	-0.09	0.389	0.493	
	Part 96 n48	40M	QPSK	1	1	DFT-30	Front	10mm	Ant 13	DSI 17	6416663624.99	20.57	21.70	1.297	-	-	-0.01	0.164	0.213	
	Part 96 n48	40M	QPSK	1	1	DFT-30	Back	10mm	Ant 13	DSI 17	6416663624.99	20.57	21.70	1.297	-	-	0.12	0.510	0.662	
	Part 96 n48	40M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 13	DSI 17	6416663624.99	20.57	21.70	1.297	-	-	-0.1	0.343	0.445	
	Part 96 n48	40M	QPSK	1	1	DFT-30	Top Side	10mm	Ant 13	DSI 17	6416663624.99	20.57	21.70	1.297	-	-	-0.16	0.099	0.128	
56	Part 96 n48	40M	QPSK	1	1	DFT-30	Back	10mm	Ant 13	DSI 17	638000 3570	20.54	21.70	1.306	-	-	0.1	0.577	0.754	
	Part 96 n48	40M	QPSK	1	1	DFT-30	Back	10mm	Ant 13	DSI 17	6453323679.98	20.43	21.70	1.340	-	-	0.15	0.413	0.553	
	Part 96 n48	40M	QPSK	50	28	DFT-30	Front	10mm	Ant 13	DSI 17	6416663624.99	20.46	21.70	1.330	-	-	-0.03	0.159	0.212	
	Part 96 n48	40M	QPSK	50	28	DFT-30	Back	10mm	Ant 13	DSI 17	6416663624.99	20.46	21.70	1.330	-	-	0.07	0.432	0.575	
	Part 96 n48	40M	QPSK	50	28	DFT-30	Left Side	10mm	Ant 13	DSI 17	6416663624.99	20.46	21.70	1.330	-	-	-0.15	0.334	0.444	
	Part 96 n48	40M	QPSK	50	28	DFT-30	Top Side	10mm	Ant 13	DSI 17	6416663624.99	20.46	21.70	1.330	-	-	0.13	0.093	0.124	
	Part 96 n48	40M	QPSK	100	0	DFT-30	Back	10mm	Ant 13	DSI 17	6416663624.99	20.46	21.70	1.330	-	-	-0.01	0.476	0.633	



FCC SAR TEST REPORT

Report No. : FA2O2001

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



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



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

**18.3 Body Worn Accessory SAR**

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



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



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



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



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



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



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

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



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	Part 96 n48	40M	QPSK	1	1	DFT-30	Front	15mm	Ant 6	DSI 4	6416663624.99	24.25	25.20	1.245	-	-	0.05	0.442	0.550
	Part 96 n48	40M	QPSK	1	1	DFT-30	Back	15mm	Ant 6	DSI 4	6416663624.99	24.25	25.20	1.245	-	-	-0.14	0.610	0.759
	Part 96 n48	40M	QPSK	1	1	DFT-30	Back	15mm	Ant 6	DSI 4	638000 3570	24.14	25.20	1.276	-	-	0.04	0.618	0.789
	Part 96 n48	40M	QPSK	1	1	DFT-30	Back	15mm	Ant 6	DSI 4	6453323679.98	24.16	25.20	1.271	-	-	-0.11	0.674	0.856
	Part 96 n48	40M	QPSK	50	28	DFT-30	Front	15mm	Ant 6	DSI 4	6416663624.99	24.04	25.20	1.306	-	-	0.15	0.446	0.583
	Part 96 n48	40M	QPSK	50	28	DFT-30	Back	15mm	Ant 6	DSI 4	6416663624.99	24.04	25.20	1.306	-	-	-0.15	0.625	0.816
	Part 96 n48	40M	QPSK	50	28	DFT-30	Back	15mm	Ant 6	DSI 4	638000 3570	23.88	25.20	1.355	-	-	0.07	0.626	0.848
87	Part 96 n48	40M	QPSK	50	28	DFT-30	Back	15mm	Ant 6	DSI 4	6453323679.98	24.02	25.20	1.312	-	-	-0.04	0.861	1.130
	Part 96 n48	40M	QPSK	50	28	DFT-30	Back	15mm	Ant 6	DSI 4	6453323679.98	24.02	25.20	1.312	-	-	0.09	0.819	1.075
	Part 96 n48	40M	QPSK	50	28	DFT-30	Back	15mm	Ant 6	DSI 9/14	6453323679.98	22.35	23.20	1.216	-	-	-0.08	0.550	0.669
	Part 96 n48	40M	QPSK	100	0	DFT-30	Front	15mm	Ant 6	DSI 4	6416663624.99	21.08	22.20	1.294	-	-	-0.15	0.215	0.278
	Part 96 n48	40M	QPSK	100	0	DFT-30	Back	15mm	Ant 6	DSI 4	6416663624.99	21.08	22.20	1.294	-	-	0.09	0.307	0.397
	Part 96 n48	40M	QPSK	1	1	DFT-30	Front	15mm	Ant 13	DSI 4	6416663624.99	24.28	25.20	1.236	-	-	0.11	0.237	0.293
	Part 96 n48	40M	QPSK	1	1	DFT-30	Back	15mm	Ant 13	DSI 4	6416663624.99	24.28	25.20	1.236	-	-	0.13	0.525	0.649
	Part 96 n48	40M	QPSK	1	1	DFT-30	Back	15mm	Ant 13	DSI 4	638000 3570	24.25	25.20	1.245	-	-	-0.14	0.704	0.876
	Part 96 n48	40M	QPSK	1	1	DFT-30	Back	15mm	Ant 13	DSI 4	6453323679.98	24.21	25.20	1.256	-	-	0.08	0.446	0.560
	Part 96 n48	40M	QPSK	1	1	DFT-30	Back	15mm	Ant 13	DSI 9/14	638000 3570	23.24	24.20	1.247	-	-	0.13	0.540	0.674
	Part 96 n48	40M	QPSK	50	28	DFT-30	Front	15mm	Ant 13	DSI 4	6416663624.99	24.19	25.20	1.262	-	-	-0.12	0.242	0.305
	Part 96 n48	40M	QPSK	50	28	DFT-30	Back	15mm	Ant 13	DSI 4	6416663624.99	24.19	25.20	1.262	-	-	-0.12	0.493	0.622
	Part 96 n48	40M	QPSK	50	28	DFT-30	Back	15mm	Ant 13	DSI 4	638000 3570	24.14	25.20	1.276	-	-	0.07	0.550	0.702
	Part 96 n48	40M	QPSK	50	28	DFT-30	Back	15mm	Ant 13	DSI 4	6453323679.98	24.17	25.20	1.268	-	-	0.07	0.381	0.483
	Part 96 n48	40M	QPSK	100	0	DFT-30	Back	15mm	Ant 13	DSI 4	6416663624.99	21.15	22.20	1.274	-	-	-0.02	0.118	0.150

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
3450-3700MHz																		
	Part 270 n77_PC2	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 6	DSI 4	656000	3840	25.16	26.70	1.426	-0.11	0.420	0.599
	Part 270 n77_PC2	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 6	DSI 4	656000	3840	25.16	26.70	1.426	-0.12	0.770	1.098
	Part 270 n77_PC2 (UL MIMO)	100M	QPSK	1	1	CP-30	Back	15mm	Ant 6	DSI 4	656000	3840	21.28	22.20	1.236	0.06	0.341	0.421
	Part 270 n77_PC2	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 6	DSI 9/14	656000	3840	21.75	23.20	1.396	0.09	0.422	0.589
	Part 270 n77_PC2	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 6	DSI 4	656000	3840	25.05	26.70	1.462	-0.13	0.362	0.529
	Part 270 n77_PC2	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI 4	656000	3840	25.05	26.70	1.462	0.05	0.547	0.800
	Part 270 n77_PC2	100M	QPSK	270	0	DFT-30	Front	15mm	Ant 6	DSI 4	656000	3840	23.97	25.70	1.489	-0.1	0.296	0.441
	Part 270 n77_PC2	100M	QPSK	270	0	DFT-30	Back	15mm	Ant 6	DSI 4	656000	3840	23.97	25.70	1.489	0.01	0.456	0.679
	Part 27Q n77_PC2	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 6	DSI 4	6333323499.98	25.55	26.70	1.303	-0.12	0.393	0.512	
	Part 27Q n77_PC2	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 6	DSI 4	6333323499.98	25.55	26.70	1.303	0.01	0.474	0.618	
	Part 27Q n77_PC2	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 6	DSI 4	6333323499.98	25.43	26.70	1.340	0.07	0.410	0.549	
	Part 27Q n77_PC2	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI 4	6333323499.98	25.43	26.70	1.340	0.1	0.487	0.652	
	Part 27Q n77_PC2 (UL MIMO)	100M	QPSK	137	0	CP-30	Back	15mm	Ant 6	DSI 4	6333323499.98	21.08	22.20	1.294	0.08	0.245	0.317	
	Part 27Q n77_PC2	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI 9/14	6333323499.98	21.97	23.20	1.327	0.12	0.302	0.401	
	Part 270 n77_PC2	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 7	DSI 4	656000	3840	23.97	25.20	1.327	0.13	0.210	0.279
	Part 270 n77_PC2	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 7	DSI 4	656000	3840	23.97	25.20	1.327	-0.13	0.318	0.422
	Part 270 n77_PC2 (UL MIMO)	100M	QPSK	1	1	CP-30	Back	15mm	Ant 7	DSI 4	656000	3840	20.05	20.70	1.161	0.02	0.135	0.157
	Part 270 n77_PC2	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 7	DSI 9/14	656000	3840	18.07	19.20	1.297	0.06	0.112	0.145
	Part 270 n77_PC2 (UL MIMO)	100M	QPSK	1	1	CP-30	Back	15mm	Ant 7	DSI 9/14	656000	3840	18.00	19.20	1.318	0.1	0.100	0.132
	Part 270 n77_PC2	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 7	DSI 4	656000	3840	23.92	25.20	1.343	0.02	0.181	0.243
	Part 270 n77_PC2	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 7	DSI 4	656000	3840	23.92	25.20	1.343	0.02	0.242	0.325
	Part 270 n77_PC2	100M	QPSK	270	0	DFT-30	Back	15mm	Ant 7	DSI 4	656000	3840	23.12	24.20	1.282	-0.13	0.210	0.269
	Part 27Q n77_PC2	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 7	DSI 4	6333323499.98	24.17	25.20	1.268	0.11	0.225	0.285	
	Part 27Q n77_PC2	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 7	DSI 4	6333323499.98	24.17	25.20	1.268	0.14	0.724	0.918	
	Part 27Q n77_PC2 (UL MIMO)	100M	QPSK	1	1	CP-30	Back	15mm	Ant 7	DSI 4	6333323499.98	20.15	20.70	1.135	0.03	0.280	0.318	
	Part 27Q n77_PC2	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 7	DSI 9/14	6333323499.98	18.28	19.20	1.236	-0.01	0.200	0.247	
	Part 27Q n77_PC2 (UL MIMO)	100M	QPSK	1	1	CP-30	Back	15mm	Ant 7	DSI 9/14	6333323499.98	18.22	19.20	1.253	0.03	0.185	0.232	



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



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

**18.4 Product Specific SAR**

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
835MHz																		
95	LTE Band 26	15M	QPSK	1	0		Left Side	0mm	Ant 0	DSI 4	26865	831.5	23.55	24.30	1.189	-0.03	1.210	1.438
	LTE Band 26	15M	QPSK	1	0		Left Side	0mm	Ant 0	DSI 4	26765	821.5	23.41	24.30	1.227	0.01	0.959	1.177
	LTE Band 26	15M	QPSK	1	0		Left Side	0mm	Ant 0	DSI 4	26965	841.5	23.43	24.30	1.222	-0.08	1.030	1.258
	LTE Band 26	15M	QPSK	36	0		Left Side	0mm	Ant 0	DSI 4	26865	831.5	22.76	23.30	1.132	-0.08	1.060	1.200
1750MHz																		
	WCDMA IV					RMC 12.2Kbps	Bottom Side	0mm	Ant 5	DSI 4	1413	1732.6	23.96	24.80	1.213	0.09	1.940	2.354
96	WCDMA IV					RMC 12.2Kbps	Bottom Side	0mm	Ant 5	DSI 4	1312	1712.4	23.90	24.80	1.230	0.15	1.980	2.436
	WCDMA IV					RMC 12.2Kbps	Bottom Side	0mm	Ant 5	DSI 4	1513	1752.6	23.94	24.80	1.219	-0.1	1.880	2.292
	WCDMA IV					RMC 12.2Kbps	Bottom Side	0mm	Ant 5	DSI 9/14	1312	1712.4	19.80	20.80	1.259	0.15	0.986	1.241
	LTE Band 66	20M	QPSK	1	0		Bottom Side	0mm	Ant 5	DSI 4	132322	1745	23.99	24.80	1.205	0.13	2.000	2.410
	LTE Band 66	20M	QPSK	1	0		Bottom Side	0mm	Ant 5	DSI 4	132072	1720	23.79	24.80	1.262	0.06	1.990	2.511
97	LTE Band 66	20M	QPSK	1	0		Bottom Side	0mm	Ant 5	DSI 4	132572	1770	23.89	24.80	1.233	0.06	2.060	2.540
	LTE Band 66	20M	QPSK	1	0		Bottom Side	0mm	Ant 5	DSI 9/14	132572	1770	20.33	21.30	1.250	0.06	1.090	1.363
	LTE Band 66	20M	QPSK	50	0		Bottom Side	0mm	Ant 5	DSI 4	132322	1745	22.99	23.80	1.205	0.12	1.850	2.229
	LTE Band 66	20M	QPSK	50	0		Bottom Side	0mm	Ant 5	DSI 4	132072	1720	22.94	23.80	1.219	0.03	1.910	2.328
	LTE Band 66	20M	QPSK	50	0		Bottom Side	0mm	Ant 5	DSI 4	132572	1770	22.94	23.80	1.219	0.03	2.020	2.462
	LTE Band 66	20M	QPSK	100	0		Bottom Side	0mm	Ant 5	DSI 4	132322	1745	22.96	23.80	1.213	0.05	1.990	2.415
	LTE Band 66	20M	QPSK	1	0		Front	0mm	Ant 6	DSI 1	132322	1745	20.92	21.80	1.225	0.11	1.740	2.131
	LTE Band 66	20M	QPSK	1	0		Front	0mm	Ant 6	DSI 1	132072	1720	20.89	21.80	1.233	-0.11	1.660	2.047
	LTE Band 66	20M	QPSK	1	0		Front	0mm	Ant 6	DSI 1	132572	1770	20.82	21.80	1.253	0.06	1.540	1.930
	LTE Band 66	20M	QPSK	1	0		Back	0mm	Ant 6	DSI 1	132322	1745	20.92	21.80	1.225	0.09	1.030	1.261
	LTE Band 66	20M	QPSK	1	0		Top Side	0mm	Ant 6	DSI 1	132322	1745	20.92	21.80	1.225	0.15	1.400	1.714
	LTE Band 66	20M	QPSK	1	0		Front	0mm	Ant 6	DSI 6/11	132322	1745	18.55	19.30	1.189	0.11	1.080	1.284
	LTE Band 66	20M	QPSK	1	0		Front	11mm	Ant 6	DSI 4	132322	1745	23.35	24.80	1.396	0.05	0.229	0.320
	LTE Band 66	20M	QPSK	1	0		Top Side	11mm	Ant 6	DSI 4	132322	1745	23.35	24.80	1.396	0.12	0.289	0.404
	LTE Band 66	20M	QPSK	1	0		Back	15mm	Ant 6	DSI 4	132322	1745	23.35	24.80	1.396	0.07	0.132	0.184
	LTE Band 66	20M	QPSK	50	0		Front	0mm	Ant 6	DSI 1	132322	1745	20.88	21.80	1.236	-0.08	1.700	2.101
	LTE Band 66	20M	QPSK	50	0		Front	0mm	Ant 6	DSI 1	132072	1720	20.80	21.80	1.259	-0.08	1.610	2.027
	LTE Band 66	20M	QPSK	50	0		Front	0mm	Ant 6	DSI 1	132572	1770	20.82	21.80	1.253	0.01	1.480	1.855
	LTE Band 66	20M	QPSK	50	0		Back	0mm	Ant 6	DSI 1	132322	1745	20.88	21.80	1.236	0.15	0.977	1.208
	LTE Band 66	20M	QPSK	50	0		Top Side	0mm	Ant 6	DSI 1	132322	1745	20.88	21.80	1.236	-0.1	1.320	1.631
	LTE Band 66	20M	QPSK	100	0		Front	0mm	Ant 6	DSI 1	132322	1745	20.82	21.80	1.253	0.05	1.670	2.093
	LTE Band 66	20M	QPSK	1	0		Right Side	0mm	Ant 7	DSI 4	132322	1745	23.07	24.30	1.327	0.05	1.710	2.270
	LTE Band 66	20M	QPSK	1	0		Right Side	0mm	Ant 7	DSI 4	132072	1720	22.96	24.30	1.361	0.09	1.510	2.056
	LTE Band 66	20M	QPSK	1	0		Right Side	0mm	Ant 7	DSI 4	132572	1770	22.93	24.30	1.371	0.01	1.600	2.193
	LTE Band 66	20M	QPSK	1	0		Right Side	0mm	Ant 7	DSI 9/14	132322	1745	21.13	22.30	1.309	0.03	1.020	1.335
	LTE Band 66	20M	QPSK	50	0		Right Side	0mm	Ant 7	DSI 4	132322	1745	22.13	23.30	1.309	0.03	1.360	1.780
	LTE Band 66	20M	QPSK	100	0		Right Side	0mm	Ant 7	DSI 4	132322	1745	22.06	23.30	1.330	0.01	1.390	1.849
	n66	40M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 5	DSI 4	349000	1745	24.30	25.20	1.230	-0.15	1.950	2.399
98	n66	40M	QPSK	108	54	DFT-15	Bottom Side	0mm	Ant 5	DSI 4	349000	1745	24.28	25.20	1.236	-0.06	1.960	2.422
	n66	40M	QPSK	108	54	DFT-15	Bottom Side	0mm	Ant 5	DSI 9/14	349000	1745	20.38	21.20	1.208	-0.06	0.910	1.099
	n66	40M	QPSK	216	0	DFT-15	Bottom Side	0mm	Ant 5	DSI 4	349000	1745	23.25	24.20	1.245	-0.03	1.910	2.377
	n66	40M	QPSK	1	1	DFT-15	Front	0mm	Ant 6	DSI 1	349000	1745	20.62	21.70	1.282	0.08	1.820	2.334
	n66	40M	QPSK	1	1	DFT-15	Back	0mm	Ant 6	DSI 1	349000	1745	20.62	21.70	1.282	-0.06	0.904	1.159
	n66	40M	QPSK	1	1	DFT-15	Top Side	0mm	Ant 6	DSI 1	349000	1745	20.62	21.70	1.282	0.11	1.450	1.859
	n66	40M	QPSK	1	1	DFT-15	Front	0mm	Ant 6	DSI 6/11	349000	1745	18.20	19.20	1.259	0.08	0.890	1.120
	n66	40M	QPSK	1	1	DFT-15	Front	11mm	Ant 6	DSI 4	349000	1745	23.60	24.70	1.288	0.02	0.440	0.567
	n66	40M	QPSK	1	1	DFT-15	Top Side	11mm	Ant 6	DSI 4	349000	1745	23.60	24.70	1.288	0.01	0.566	0.729
	n66	40M	QPSK	1	1	DFT-15	Back	15mm	Ant 6	DSI 4	349000	1745	23.60	24.70	1.288	0.08	0.272	0.350
	n66	40M	QPSK	108	54	DFT-15	Front	0mm	Ant 6	DSI 1	349000	1745	20.60	21.70	1.288	0.12	1.800	2.319



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



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



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



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



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



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



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	Part 96 n48	40M	QPSK	1	1	DFT-30	Back	15mm	Ant 6	DSI 4	6416663624.99	24.25	25.20	1.245	-	-	-0.14	0.501	0.624
	Part 96 n48	40M	QPSK	1	1	DFT-30	Top Side	11mm	Ant 6	DSI 4	6416663624.99	24.25	25.20	1.245	-	-	0.06	0.565	0.703
	Part 96 n48	40M	QPSK	50	28	DFT-30	Front	0mm	Ant 6	DSI 1	6416663624.99	17.05	18.20	1.303	-	-	-0.06	0.895	1.166
	Part 96 n48	40M	QPSK	50	28	DFT-30	Back	0mm	Ant 6	DSI 1	6416663624.99	17.05	18.20	1.303	-	-	-0.05	0.699	0.911
	Part 96 n48	40M	QPSK	50	28	DFT-30	Top Side	0mm	Ant 6	DSI 1	6416663624.99	17.05	18.20	1.303	-	-	-0.01	1.740	2.268
	Part 96 n48	40M	QPSK	50	28	DFT-30	Top Side	0mm	Ant 6	DSI 1	638000 3570	17.04	18.20	1.306	-	-	0.04	1.610	2.103
	Part 96 n48	40M	QPSK	50	28	DFT-30	Top Side	0mm	Ant 6	DSI 1	6453323679.98	16.88	18.20	1.355	-	-	0.04	1.640	2.223
	Part 96 n48	40M	QPSK	50	28	DFT-30	Top Side	0mm	Ant 6	DSI 6/11	6416663624.99	14.62	15.70	1.282	-	-	-0.11	0.971	1.245
	Part 96 n48	40M	QPSK	50	28	DFT-30	Front	11mm	Ant 6	DSI 4	6416663624.99	24.04	25.20	1.306	-	-	-0.11	0.402	0.525
	Part 96 n48	40M	QPSK	50	28	DFT-30	Back	15mm	Ant 6	DSI 4	6416663624.99	24.04	25.20	1.306	-	-	0.05	0.525	0.686
	Part 96 n48	40M	QPSK	50	28	DFT-30	Top Side	11mm	Ant 6	DSI 4	6416663624.99	24.04	25.20	1.306	-	-	0.02	0.594	0.776
	Part 96 n48	40M	QPSK	100	0	DFT-30	Top Side	0mm	Ant 6	DSI 1	6416663624.99	16.93	18.20	1.340	-	-	-0.06	1.570	2.103
	Part 96 n48	40M	QPSK	1	1	DFT-30	Back	0mm	Ant 13	DSI 1	6416663624.99	20.20	21.20	1.259	-	-	0.03	1.630	2.052
109	Part 96 n48	40M	QPSK	1	1	DFT-30	Back	0mm	Ant 13	DSI 1	638000 3570	20.03	21.20	1.309	-	-	0.03	1.970	2.579
	Part 96 n48	40M	QPSK	1	1	DFT-30	Back	0mm	Ant 13	DSI 1	6453323679.98	20.03	21.20	1.309	-	-	0.15	1.410	1.846
	Part 96 n48	40M	QPSK	1	1	DFT-30	Back	0mm	Ant 13	DSI 6/11	638000 3570	17.75	18.70	1.245	-	-	0.03	1.090	1.357
	Part 96 n48	40M	QPSK	1	1	DFT-30	Back	15mm	Ant 13	DSI 4	638000 3570	24.25	25.20	1.245	-	-	0.06	0.263	0.327
	Part 96 n48	40M	QPSK	50	28	DFT-30	Back	0mm	Ant 13	DSI 1	6416663624.99	20.14	21.20	1.276	-	-	-0.06	1.510	1.927
	Part 96 n48	40M	QPSK	50	28	DFT-30	Back	0mm	Ant 13	DSI 1	638000 3570	20.11	21.20	1.285	-	-	-0.1	1.800	2.314
	Part 96 n48	40M	QPSK	50	28	DFT-30	Back	0mm	Ant 13	DSI 1	6453323679.98	20.13	21.20	1.279	-	-	0.14	1.360	1.740
	Part 96 n48	40M	QPSK	100	0	DFT-30	Back	0mm	Ant 13	DSI 1	6416663624.99	20.06	21.20	1.300	-	-	0.02	1.580	2.054

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
3450 ~ 4000 MHz																		
	Part 270 n77_PC2	100M	QPSK	1	1	DFT-30	Front	0mm	Ant 6	DSI 1	656000	3840	16.70	17.70	1.259	0.09	0.836	1.052
	Part 270 n77_PC2	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 6	DSI 1	656000	3840	16.70	17.70	1.259	0.07	0.720	0.906
	Part 270 n77_PC2	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 6	DSI 1	656000	3840	16.70	17.70	1.259	0.13	1.300	1.637
	Part 270 n77_PC2 (UL MIMO)	100M	QPSK	1	1	CP-30	Top Side	0mm	Ant 6	DSI 1	656000	3840	16.69	17.70	1.262	0.07	1.210	1.527
	Part 270 n77_PC2	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 6	DSI 6/11	656000	3840	14.30	15.20	1.230	0.1	0.750	0.923
	Part 270 n77_PC2 (UL MIMO)	100M	QPSK	1	1	CP-30	Top Side	0mm	Ant 6	DSI 6/11	656000	3840	14.11	15.20	1.285	0.03	0.733	0.942
	Part 270 n77_PC2	100M	QPSK	1	1	DFT-30	Front	11mm	Ant 6	DSI 4	656000	3840	25.16	26.70	1.426	0.06	0.438	0.624
	Part 270 n77_PC2	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 6	DSI 4	656000	3840	25.16	26.70	1.426	-0.11	0.364	0.519
	Part 270 n77_PC2	100M	QPSK	1	1	DFT-30	Top Side	11mm	Ant 6	DSI 4	656000	3840	25.16	26.70	1.426	0.12	0.912	1.300
	Part 270 n77_PC2	100M	QPSK	135	69	DFT-30	Front	0mm	Ant 6	DSI 1	656000	3840	16.66	17.70	1.271	0.03	0.776	0.986
	Part 270 n77_PC2	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 6	DSI 1	656000	3840	16.66	17.70	1.271	-0.03	0.676	0.859
	Part 270 n77_PC2	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 6	DSI 1	656000	3840	16.66	17.70	1.271	-0.09	1.230	1.563
	Part 270 n77_PC2	100M	QPSK	270	0	DFT-30	Front	0mm	Ant 6	DSI 1	656000	3840	16.50	17.70	1.318	0.03	0.772	1.018
	Part 270 n77_PC2	100M	QPSK	270	0	DFT-30	Top Side	0mm	Ant 6	DSI 1	656000	3840	16.50	17.70	1.318	-0.03	1.080	1.424
	Part 27Q n77_PC2	100M	QPSK	1	1	DFT-30	Front	0mm	Ant 6	DSI 1	633332	3499.98	16.65	17.70	1.274	-0.09	0.881	1.122
	Part 27Q n77_PC2	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 6	DSI 1	633332	3499.98	16.65	17.70	1.274	0.07	0.679	0.865
111	Part 27Q n77_PC2	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 6	DSI 1	633332	3499.98	16.65	17.70	1.274	0.16	1.720	2.190
	Part 27Q n77_PC2 (UL MIMO)	100M	QPSK	1	1	CP-30	Top Side	0mm	Ant 6	DSI 1	633332	3499.98	16.64	17.70	1.276	0.06	1.611	2.056
	Part 27Q n77_PC2	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 6	DSI 6/11	633332	3499.98	14.21	15.20	1.256	0.1	0.960	1.206
	Part 27Q n77_PC2 (UL MIMO)	100M	QPSK	1	1	CP-30	Top Side	0mm	Ant 6	DSI 6/11	633332	3499.98	14.18	15.20	1.265	0.06	0.923	1.167
	Part 27Q n77_PC2	100M	QPSK	1	1	DFT-30	Front	11mm	Ant 6	DSI 4	633332	3499.98	25.55	26.70	1.303	0.13	0.450	0.586
	Part 27Q n77_PC2	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 6	DSI 4	633332	3499.98	25.55	26.70	1.303	0.09	0.352	0.459
	Part 27Q n77_PC2	100M	QPSK	1	1	DFT-30	Top Side	11mm	Ant 6	DSI 4	633332	3499.98	25.55	26.70	1.303	0.06	0.804	1.048
	Part 27Q n77_PC2	100M	QPSK	135	69	DFT-30	Front	0mm	Ant 6	DSI 1	633332	3499.98	16.55	17.70	1.303	-0.02	0.850	1.108
	Part 27Q n77_PC2	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 6	DSI 1	633332	3499.98	16.55	17.70	1.303	-0.14	0.653	0.851
	Part 27Q n77_PC2	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 6	DSI 1	633332	3499.98	16.55	17.70	1.303	-0.06	1.530	1.994
	Part 27Q n77_PC2	100M	QPSK	270	0	DFT-30	Top Side	0mm	Ant 6	DSI 1	633332	3499.98	16.37	17.70	1.358	0.06	1.490	2.024
	Part 270 n77_PC2	100M	QPSK	1	1	DFT-30	Right Side	0mm	Ant 7	DSI 4	656000	3840	23.97	25.20	1.327	-0.02	0.836	1.110
	Part 270 n77_PC2 (UL MIMO)	100M	QPSK	1	1	CP-30	Right Side	0mm	Ant 7	DSI 4	656000	3840	20.05	20.70	1.161	0.06	0.775	0.900



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



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

18.5 Repeated SAR Measurement

<1g>

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

<10g>

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

General Note:

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

18.6 LTE Band 41 Power Class 2 and Power Class 3 Linearity

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

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

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

19. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	Portable Handset			
		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
4.	WWAN + Bluetooth	Yes	Yes	Yes	Yes
5.	WLAN 2.4GHz + Bluetooth	Yes	Yes	Yes	Yes
6.	WLAN 5GHz + Bluetooth	Yes	Yes	Yes	Yes
7.	WLAN 6GHz + Bluetooth	Yes	Yes		Yes
8.	WWAN + WLAN 2.4GHz + Bluetooth	Yes	Yes	Yes	Yes
9.	WWAN + WLAN 5GHz + Bluetooth	Yes	Yes	Yes	Yes
10.	WWAN + WLAN 6GHz + Bluetooth	Yes	Yes		Yes
11.	WLAN2.4GHz + WLAN5GHz	Yes	Yes	Yes	Yes
12.	WLAN2.4GHz + WLAN6GHz	Yes	Yes		Yes
13.	WWAN + WLAN2.4GHz + WLAN5GHz	Yes	Yes	Yes	Yes
14.	WWAN + WLAN2.4GHz + WLAN6GHz	Yes	Yes		Yes
15.	WLAN2.4GHz + WLAN5GHz + Bluetooth	Yes	Yes	Yes	Yes
16.	WLAN2.4GHz + WLAN6GHz + Bluetooth	Yes	Yes		Yes
17.	WWAN + WLAN2.4GHz + WLAN5GHz + Bluetooth	Yes	Yes	Yes	Yes
18.	WWAN + WLAN2.4GHz + WLAN6GHz + Bluetooth	Yes	Yes		Yes

General Note:

- This device supports VoIP in GPRS, EGPRS, WCDMA, and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
- EUT will choose each GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- WWAN above includes 5G NR bands.
- For WLAN2.4GHz/BT and WLAN5GHz support SISO and MIMO mode.
- For EN-DC mode, Qualcomm Smart Transmit algorithm in WWAN adds directly the time-averaged RF exposure from 4G(LTE) and time-averaged RF exposure from 5G NR. Smart Transmit algorithm controls the total RF exposure from both 4G and 5G NR to not exceed FCC limit. Therefore, simultaneous transmission compliance between 4G+5G NR operation is demonstrated in the Part 2 Report during algorithm validation. In Part 1 Report, simultaneous transmission compliance was evaluated individually with other Radios (WLAN or BT) using one of 4G or 5G NR.
- This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
- This device 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WLAN Direct (GC/GO), and 5.3GHz / 5.5GHz supports WLAN Direct (GC only).
- According to the EUT characteristic, WLAN 2.4GHz Chain0 and Bluetooth Chain 1 cannot transmit simultaneously.
- According to the EUT characteristic, WLAN 2.4GHz Chain1 and Bluetooth Chain 0 can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz/6GHz and Bluetooth can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz/6GHz and WLAN 2.4GHz can transmit simultaneously.
- Bluetooth BR/EDR two standalone SAR summed together as Bluetooth BR/EDR MIMO SAR.
- For simultaneously analysis, since the SAR summation of 4 transmitters can cover others combination of 2/3 transmitters, therefore in this section did not additional to evaluate 2/3TX combination of simultaneously transmission.
- Chose the worst zoom scan SAR of WLAN correspondingly for co-located with WWAN analysis.
- All licensed modes share the same antenna part and cannot transmit simultaneously.
- The Scaled SAR summation is calculated based on the same configuration and test position.
- WWAN antenna always chose the worst position SAR among all WWAN bands base on head, hotspot, body and extremity to do co-located with WLAN/Bluetooth. It is the most conservatively evaluation.
- Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
 - $SPLSR = (SAR1 + SAR2)^{1.5} / (\text{min. separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - If $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

19.2 Head Exposure Conditions

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

WWAN Band	Exposure Position	2	3	4	5	6	7	8	3+4+5+7	2+4+5+8	3+6+7	2+6+8
		WLAN2.4GHz Ant 7	WLAN2.4GHz Ant 12	WLAN5GHz Ant 10	WLAN5GHz Ant 13	WLAN6GHz Ant 10+13	Bluetooth Ant 7	Bluetooth Ant 12	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
All Bands	Right Cheek	0.566	0.606	0.404	0.292	0.089	0.017	0.143	1.32	1.41	0.71	0.80
	Right Tilted	0.566	0.606	0.393	0.210	0.089	0.014	0.143	1.22	1.31	0.71	0.80
	Left Cheek	0.566	0.606	0.613	0.110	0.089	0.087	0.143	1.42	1.43	0.78	0.80
	Left Tilted	0.566	0.606	0.613	0.072	0.089	0.027	0.143	1.32	1.39	0.72	0.80

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

WWAN Band	Exposure Position	2	3	4	5	6	7	8	2+8	3+7	4+5+7+8	6+7+8
		WLAN2.4GHz Ant 7	WLAN2.4GHz Ant 12	WLAN5GHz Ant 10	WLAN5GHz Ant 13	WLAN6GHz Ant 10+13	Bluetooth Ant 7	Bluetooth Ant 12	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
All Bands	Right Cheek	0.807	1.013	0.750	0.292	0.089	0.017	0.224	1.03	1.03	1.28	0.33
	Right Tilted	0.807	1.013	0.750	0.210	0.089	0.014	0.224	1.03	1.03	1.20	0.33
	Left Cheek	0.807	1.013	0.750	0.110	0.089	0.087	0.224	1.03	1.10	1.17	0.40
	Left Tilted	0.807	1.013	0.750	0.072	0.089	0.027	0.224	1.03	1.04	1.07	0.34

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

19.3 Hotspot Exposure Conditions

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

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

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

19.4 Body-Worn Accessory Exposure Conditions

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

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

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

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

19.5 Product Specific Exposure Conditions

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

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

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

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20. Uncertainty Assessment

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

21. References

- [1] FCC 47 CFR Part 2 "Frequency Allocations and Radio Treaty Matters; General Rules and Regulations"
- [2] ANSI/IEEE Std. C95.1-1992, "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz", September 1992
- [3] IEEE Std. 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", Sep 2013
- [4] SPEAG DASY System Handbook
- [5] FCC KDB 248227 D01 v02r02, "SAR Guidance for IEEE 802.11 (WiFi) Transmitters", Oct 2015.
- [6] FCC KDB 447498 D01 v06, "Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies", Oct 2015
- [7] FCC KDB 648474 D04 v01r03, "SAR Evaluation Considerations for Wireless Handsets", Oct 2015.
- [8] FCC KDB 941225 D01 v03r01, "3G SAR MEAUREMENT PROCEDURES", Oct 2015
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- [10] FCC KDB 941225 D05A v01r02, "Rel. 10 LTE SAR Test Guidance and KDB Inquiries", Oct 2015
- [11] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.
- [12] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [13] FCC KDB 865664 D02 v01r02, "RF Exposure Compliance Reporting and Documentation Considerations" Oct 2015.
- [14] FCC KDB 616217 D04 v01r02, "SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers", Oct 2015

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