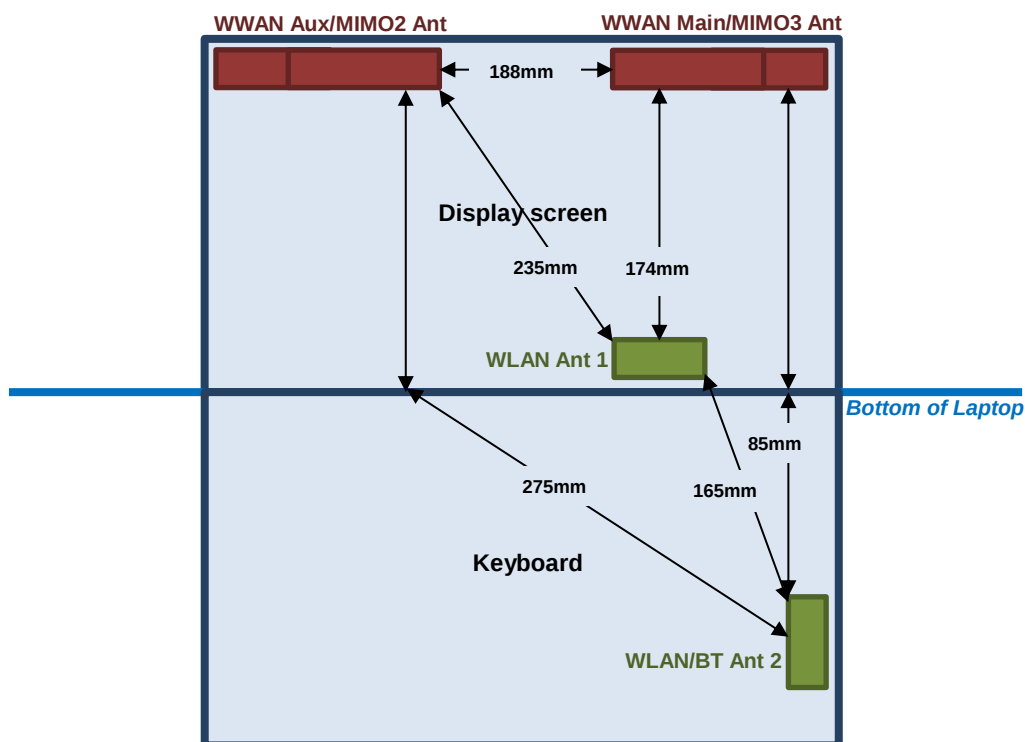


<For Laptop>



The separation distance for antenna to edge :

Antenna	To Bottom of Laptop (mm)
WWAN Main/MIMO3 Antenna	200.39
WWAN Aux/MIMO2 Antenna	200.39
WLAN Antenna 1	< 5
WLAN/BT Antenna 2	< 5

**<SAR test exclusion table>****General Note:**

- The below table, when the distance is < 50 mm exclusion threshold is "Ratio", when the distance is > 50 mm exclusion threshold is "mW"
- Maximum power is the source-based time-average power and represents the maximum RF output power among production units
- Per KDB 447498 D01v06, for larger devices, the test separation distance of adjacent edge configuration is determined by the closest separation between the antenna and the user.
- Per KDB 447498 D01v06, standalone SAR test exclusion threshold is applied; If the test separation distance is < 5mm, 5mm is used to determine SAR exclusion threshold.
- Per KDB 447498 D01v06, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR}$$
 - f(GHz) is the RF channel transmit frequency in GHz
 - Power and distance are rounded to the nearest mW and mm before calculation
 - The result is rounded to one decimal place for comparison
- Per KDB 447498 D01v06, at 100 MHz to 6 GHz and for *test separation distances* > 50 mm, the SAR test exclusion threshold is determined according to the following
 - [Threshold at 50 mm in step 1) + (test separation distance - 50 mm) · (f(MHz)/150)] mW, at 100 MHz to 1500 MHz
 - [Threshold at 50 mm in step 1) + (test separation distance - 50 mm) · 10] mW at > 1500 MHz and ≤ 6 GHz

<Main/MIMO3>

	Wireless Interface	WCDMA Band V	WCDMA Band IV	WCDMA Band II	LTE Band 71/n71	LTE Band 12	LTE Band 13	LTE Band 14	LTE Band 17	LTE Band 5/n5	LTE Band 26	LTE Band 4	LTE Band 66/n66	LTE Band 2/n2	LTE Band 25/n25	LTE Band 30/n30	LTE Band 7/n7	LTE Band 38/n38	LTE Band 41/n41	LTE Band n77	LTE Band n78
Exposure Position	Calculated Frequency (MHz)	846	1750	1907	695	715	784	795	713	848	848	1754	1779	1909	1914	2312	2567	2617	2687	3650	3650
	Maximum power (dBm)	24.5	24.5	24.5	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	23.0	24.0	24.0	24.0	24.0	24.0
	Maximum rated power(mW)	281.84	281.84	281.84	251.19	251.19	251.19	251.19	251.19	251.19	251.19	251.19	251.19	251.19	251.19	199.53	251.19	251.19	251.19	251.19	251.19
Bottom Face	Separation distance(mm)	5.00																			
	exclusion threshold	51.9	74.6	77.8	41.9	42.5	44.5	44.8	42.4	46.3	46.3	66.5	67.0	69.4	69.5	60.7	80.5	81.3	82.4	96.0	96.0
	Testing required?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Edge 1	Separation distance(mm)	5.00																			
	exclusion threshold	51.9	74.6	77.8	41.9	42.5	44.5	44.8	42.4	46.3	46.3	66.5	67.0	69.4	69.5	60.7	80.5	81.3	82.4	96.0	96.0
	Testing required?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Edge 2	Separation distance(mm)	9.55																			
	exclusion threshold	27.1	39.0	40.8	21.9	22.2	23.3	23.5	22.2	24.2	24.2	34.8	35.1	36.3	36.4	31.8	42.1	42.6	43.1	50.3	50.3
	Testing required?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Edge 3	Separation distance(mm)	196.20																			
	exclusion threshold	988.0	1575.0	1571.0	857.0	874.0	934.0	943.0	873.0	989.0	989.0	1575.0	1574.0	1571.0	1570.0	1561.0	1556.0	1555.0	1554.0	1541.0	1541.0
	Testing required?	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Edge 4	Separation distance(mm)	182.15																			
	exclusion threshold	908.0	1435.0	1430.0	792.0	807.0	860.0	869.0	806.0	910.0	910.0	1435.0	1434.0	1430.0	1430.0	1420.0	1415.0	1414.0	1413.0	1400.0	1400.0
	Testing required?	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Bottom of Laptop	Separation distance(mm)	200.39																			
	exclusion threshold	1011.0	1617.0	1613.0	877.0	894.0	955.0	965.0	892.0	1013.0	1013.0	1617.0	1616.0	1612.0	1612.0	1603.0	1598.0	1597.0	1595.0	1582.0	1582.0
	Testing required?	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No

<Aux/MIMO2>

Exposure Position	Wireless Interface	LTE Band 4	LTE Band 66/n66	LTE Band 2/n2	LTE Band 25	LTE Band 30	LTE Band 7	LTE Band 38/n38	LTE Band 41/n41	LTE Band 48	LTE Band n77	LTE Band n78
	Calculated Frequency (MHz)	1754	1779	1909	1914	2312	2567	2617	2687	3697	3650	3650
	Maximum power (dBm)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	22.0	24.0	24.0
	Maximum rated power(mW)	251.19	251.19	251.19	251.19	251.19	251.19	251.19	251.19	158.49	251.19	251.19
Bottom Face	Separation distance(mm)	5.00										
	exclusion threshold	66.5	67.0	69.4	69.5	76.4	80.5	81.3	82.4	61.0	96.0	96.0
	Testing required?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Edge 1	Separation distance(mm)	5.00										
	exclusion threshold	66.5	67.0	69.4	69.5	76.4	80.5	81.3	82.4	61.0	96.0	96.0
	Testing required?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Edge 2	Separation distance(mm)	181.95										
	exclusion threshold	1433.0	1432.0	1428.0	1428.0	1418.0	1413.0	1412.0	1411.0	1398.0	1398.0	1398.0
	Testing required?	No	No	No	No	No	No	No	No	No	No	No
Edge 3	Separation distance(mm)	196.20										
	exclusion threshold	1575.0	1574.0	1571.0	1570.0	1561.0	1556.0	1555.0	1554.0	1540.0	1541.0	1541.0
	Testing required?	No	No	No	No	No	No	No	No	No	No	No
Edge 4	Separation distance(mm)	9.75										
	exclusion threshold	34.1	34.4	35.6	35.6	39.2	41.3	41.7	42.2	31.3	49.2	49.2
	Testing required?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Bottom of Laptop	Separation distance(mm)	200.39										
	exclusion threshold	1617.0	1616.0	1612.0	1612.0	1603.0	1598.0	1597.0	1595.0	1582.0	1582.0	1582.0
	Testing required?	No	No	No	No	No	No	No	No	No	No	No

15. 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 WWAN: Reported SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
 - c. For TDD LTE SAR measurement, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix $63.3\%/62.9\% = 1.006$ is applied to scale-up the measured SAR result. The Reported TDD LTE SAR = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.
2. Per KDB 447498 D01v06, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the *reported* 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
 - ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
 - ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz
3. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥ 0.8 W/kg.
4. For the exposure positions that proximity sensor power reduction is applied for SAR compliance, additional SAR testing with EUT transmitting full power in sensor trigger distance was performed according to section 4. The test results just verification the sensor trigger distance to meet KDB 616217 requirement, when in normal usage will not operate at trigger distance, therefore, these results were not using performed Sim-Tx analysis.

UMTS Note:

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

LTE Note:

1. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
2. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
3. Per KDB 941225 D05v02r05, For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
4. Per KDB 941225 D05v02r05, 16QAM output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ 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 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. Referencing the procedure in KDB 941225, the test procedures are outlined as below:
 - a. To start SAR test for the largest channel bandwidth for PI/2 BPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel. Also do SAR test for 50% RB allocation for PI/2 BPSK SAR testing using 1RB PI/2 BPSK allocation procedure
 - b. For PI/2 BPSK with 100% RB allocation, SAR test is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
 - c. For higher modulation QPSK/16QAM/64QAM/256QAM, according to tune-up document the power level is not $\frac{1}{2}$ dB higher than the same configuration in PI/2 BPSK, also reported SAR for the PI/2 BPSK configuration is less than 1.45 W/kg, QPSK/16QAM/64QAM/256QAM SAR testing are not required.
 - d. Smaller bandwidth output power for each RB allocation configuration for this device is not $\frac{1}{2}$ 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
 - e. For 5G FR1 n5/n41/n66/n71/n77, the maximum channel bandwidth does not support three non-overlapping channels in the frequency band, the middle channel of the group of overlapping channels were selected for testing.
 - f. The NR n38 SAR test was covered by NR n41; due to SAR test for overlapping LTE bands can be reduced if the maximum power including tolerance, for the smaller band is $\leq$ the larger band to qualify for the SAR test exclusion and the channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band.
 - g. Due to test setup limitations, SAR testing for NR was performed using Factory Test Mode software to establish the connection and perform SAR with 100% transmission. And only for TDD power class2 was performed using Factory Test Mode software to establish the connection and perform SAR with 50% transmission.

**15.1 Body SAR****<WCDMA SAR>**

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
01	WCDMA II_Main	RMC 12.2Kbps	Bottom Face	0mm	ON	9538	1907.6	Auden	18.22	18.50	1.067	-0.17	0.318	0.339
	WCDMA II_Main	RMC 12.2Kbps	Edge 1	0mm	ON	9538	1907.6	Auden	18.22	18.50	1.067	-0.07	1.080	1.152
	WCDMA II_Main	RMC 12.2Kbps	Edge 1	0mm	ON	9400	1880	Auden	18.18	18.50	1.076	-0.1	1.020	1.098
	WCDMA II_Main	RMC 12.2Kbps	Edge 1	0mm	ON	9262	1852.4	Auden	17.93	18.50	1.140	0.08	0.986	1.124
	WCDMA II_Main	RMC 12.2Kbps	Edge 2	0mm	OFF	9538	1907.6	Auden	24.31	24.50	1.045	-0.12	0.001	0.001
	WCDMA II_Main	RMC 12.2Kbps	Bottom Face	11mm	OFF	9538	1907.6	Auden	24.31	24.50	1.045	0.09	0.329	0.344
	WCDMA II_Main	RMC 12.2Kbps	Edge 1	23mm	OFF	9538	1907.6	Auden	24.31	24.50	1.045	0.07	0.272	0.284
	WCDMA II_Main	RMC 12.2Kbps	Edge 1	0mm	ON	9538	1907.6	Speed	18.22	18.50	1.067	-0.05	1.050	1.120
	WCDMA II_Main	RMC 12.2Kbps	Edge 1	0mm	ON	9400	1880	Speed	18.18	18.50	1.076	0.06	0.981	1.056
	WCDMA II_Main	RMC 12.2Kbps	Edge 1	0mm	ON	9262	1852.4	Speed	17.93	18.50	1.140	0.04	0.918	1.047
02	WCDMA IV_Main	RMC 12.2Kbps	Bottom Face	0mm	ON	1312	1712.4	Auden	19.33	19.50	1.040	0.17	0.318	0.331
	WCDMA IV_Main	RMC 12.2Kbps	Edge 1	0mm	ON	1312	1712.4	Auden	19.33	19.50	1.040	-0.11	0.895	0.931
	WCDMA IV_Main	RMC 12.2Kbps	Edge 1	0mm	ON	1413	1732.6	Auden	19.24	19.50	1.062	-0.12	0.880	0.934
	WCDMA IV_Main	RMC 12.2Kbps	Edge 1	0mm	ON	1513	1752.6	Auden	19.19	19.50	1.074	-0.03	0.928	0.997
	WCDMA IV_Main	RMC 12.2Kbps	Edge 2	0mm	OFF	1312	1712.4	Auden	24.40	24.50	1.023	0.02	0.001	0.001
	WCDMA IV_Main	RMC 12.2Kbps	Bottom Face	11mm	OFF	1312	1712.4	Auden	24.40	24.50	1.023	-0.04	0.302	0.309
	WCDMA IV_Main	RMC 12.2Kbps	Edge 1	23mm	OFF	1312	1712.4	Auden	24.40	24.50	1.023	0.12	0.290	0.297
	WCDMA IV_Main	RMC 12.2Kbps	Edge 1	0mm	ON	1513	1752.6	Speed	19.19	19.50	1.074	-0.02	0.849	0.912
	WCDMA IV_Main	RMC 12.2Kbps	Edge 1	0mm	ON	1413	1732.6	Speed	19.24	19.50	1.062	0.14	0.857	0.910
	WCDMA IV_Main	RMC 12.2Kbps	Edge 1	0mm	ON	1312	1712.4	Speed	19.33	19.50	1.040	0.17	0.907	0.943
03	WCDMA V_Main	RMC 12.2Kbps	Bottom Face	0mm	ON	4182	836.4	Auden	21.66	22.00	1.081	0.07	0.318	0.344
	WCDMA V_Main	RMC 12.2Kbps	Edge 1	0mm	ON	4182	836.4	Auden	21.66	22.00	1.081	-0.1	0.882	0.954
	WCDMA V_Main	RMC 12.2Kbps	Edge 1	0mm	ON	4132	826.4	Auden	21.51	22.00	1.119	-0.02	0.832	0.931
	WCDMA V_Main	RMC 12.2Kbps	Edge 1	0mm	ON	4233	846.6	Auden	21.57	22.00	1.104	0.03	0.889	0.982
	WCDMA V_Main	RMC 12.2Kbps	Edge 2	0mm	OFF	4182	836.4	Auden	24.17	24.50	1.079	-0.05	0.112	0.121
	WCDMA V_Main	RMC 12.2Kbps	Bottom Face	11mm	OFF	4182	836.4	Auden	24.17	24.50	1.079	0.04	0.174	0.188
	WCDMA V_Main	RMC 12.2Kbps	Edge 1	23mm	OFF	4182	836.4	Auden	24.17	24.50	1.079	-0.03	0.103	0.111
	WCDMA V_Main	RMC 12.2Kbps	Edge 1	0mm	ON	4233	846.6	Speed	21.57	22.00	1.104	0.07	0.824	0.910
	WCDMA V_Main	RMC 12.2Kbps	Edge 1	0mm	ON	4182	836.4	Speed	21.66	22.00	1.081	0.18	0.856	0.926
	WCDMA V_Main	RMC 12.2Kbps	Edge 1	0mm	ON	4132	826.4	Speed	21.51	22.00	1.119	-0.15	0.828	0.927

**<FDD LTE SAR>**

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 7_Main	20M	QPSK	1	0	Bottom Face	0mm	ON	21350	2560	Auden	17.64	18.00	1.086	-0.13	0.103	0.112
	LTE Band 7_Main	20M	QPSK	50	0	Bottom Face	0mm	ON	21350	2560	Auden	17.34	18.00	1.164	-0.12	0.407	0.474
	LTE Band 7_Main	20M	QPSK	1	0	Edge 1	0mm	ON	21350	2560	Auden	17.64	18.00	1.086	-0.06	0.877	0.953
	LTE Band 7_Main	20M	QPSK	1	0	Edge 1	0mm	ON	21100	2535	Auden	17.44	18.00	1.138	0.15	0.925	1.052
	LTE Band 7_Main	20M	QPSK	1	0	Edge 1	0mm	ON	20850	2510	Auden	17.30	18.00	1.175	0.15	0.894	1.050
	LTE Band 7_Main	20M	QPSK	50	0	Edge 1	0mm	ON	21350	2560	Auden	17.34	18.00	1.164	0.17	0.907	1.056
	LTE Band 7_Main	20M	QPSK	50	0	Edge 1	0mm	ON	21100	2535	Auden	17.19	18.00	1.205	-0.11	0.976	1.176
	LTE Band 7_Main	20M	QPSK	50	0	Edge 1	0mm	ON	20850	2510	Auden	17.02	18.00	1.253	-0.02	0.924	1.158
	LTE Band 7_Main	20M	QPSK	100	0	Edge 1	0mm	ON	21350	2560	Auden	17.31	18.00	1.172	-0.11	0.953	1.117
	LTE Band 7_Main	20M	QPSK	1	0	Edge 2	0mm	OFF	21350	2560	Auden	22.81	24.00	1.315	0.04	0.066	0.087
	LTE Band 7_Main	20M	QPSK	50	0	Edge 2	0mm	OFF	21350	2560	Auden	21.42	23.00	1.439	-0.07	0.053	0.076
	LTE Band 7_Main	20M	QPSK	1	0	Bottom Face	11mm	OFF	21350	2560	Auden	22.81	24.00	1.315	-0.08	0.106	0.139
	LTE Band 7_Main	20M	QPSK	50	0	Bottom Face	11mm	OFF	21350	2560	Auden	21.42	23.00	1.439	0.02	0.087	0.125
	LTE Band 7_Main	20M	QPSK	1	0	Edge 1	23mm	OFF	21350	2560	Auden	22.81	24.00	1.315	-0.03	0.196	0.258
	LTE Band 7_Main	20M	QPSK	50	0	Edge 1	23mm	OFF	21350	2560	Auden	21.42	23.00	1.439	0.19	0.164	0.236
04	LTE Band 7_Main	20M	QPSK	50	0	Edge 1	0mm	ON	21100	2535	Speed	17.19	18.00	1.205	-0.02	0.993	1.197
	LTE Band 7_Main	20M	QPSK	50	0	Edge 1	0mm	ON	20850	2510	Speed	17.02	18.00	1.253	0.1	0.947	1.187
	LTE Band 7_Main	20M	QPSK	50	0	Edge 1	0mm	ON	21350	2560	Speed	17.34	18.00	1.164	-0.06	0.897	1.044
	LTE Band 7C_Main	20M	QPSK	1	0	Edge 1	0mm	ON	21100+20902	2535	Speed	16.20	18.00	1.514	-0.14	0.739	1.119
	LTE Band 7C_Main	20M	QPSK	1	0	Edge 1	0mm	ON	20850+21048	2510	Speed	16.16	18.00	1.528	-0.07	0.718	1.097
	LTE Band 7C_Main	20M	QPSK	1	0	Edge 1	0mm	ON	21350+21152	2560	Speed	16.08	18.00	1.556	0.02	0.701	1.091
	LTE Band 7_MIMO2	20M	QPSK	1	0	Bottom Face	0mm	OFF	21100	2535	Auden	22.92	24.00	1.282	0.16	0.195	0.250
	LTE Band 7_MIMO2	20M	QPSK	50	0	Bottom Face	0mm	OFF	21100	2535	Auden	21.97	23.00	1.268	-0.05	0.202	0.256
	LTE Band 7_MIMO2	20M	QPSK	1	0	Edge 1	0mm	ON	21100	2535	Auden	19.58	20.00	1.102	-0.09	0.664	0.731
	LTE Band 7_MIMO2	20M	QPSK	50	0	Edge 1	0mm	ON	21100	2535	Auden	19.43	20.00	1.140	-0.08	0.748	0.853
	LTE Band 7_MIMO2	20M	QPSK	50	0	Edge 1	0mm	ON	20850	2510	Auden	19.19	20.00	1.205	-0.09	0.522	0.629
	LTE Band 7_MIMO2	20M	QPSK	50	0	Edge 1	0mm	ON	21350	2560	Auden	19.40	20.00	1.148	0.12	0.860	0.987
	LTE Band 7_MIMO2	20M	QPSK	100	0	Edge 1	0mm	ON	21100	2535	Auden	19.29	20.00	1.178	0.19	0.832	0.980
	LTE Band 7_MIMO2	20M	QPSK	1	0	Edge 4	0mm	ON	21100	2535	Auden	19.58	20.00	1.102	0.16	0.313	0.345
	LTE Band 7_MIMO2	20M	QPSK	50	0	Edge 4	0mm	ON	21100	2535	Auden	19.43	20.00	1.140	-0.14	0.318	0.363
	LTE Band 7_MIMO2	20M	QPSK	1	0	Edge 1	19mm	OFF	21100	2535	Auden	22.92	24.00	1.282	0.16	0.103	0.132
	LTE Band 7_MIMO2	20M	QPSK	50	0	Edge 1	19mm	OFF	21100	2535	Auden	21.97	23.00	1.268	0.09	0.086	0.109
	LTE Band 7_MIMO2	20M	QPSK	1	0	Edge 4	4mm	OFF	21100	2535	Auden	22.92	24.00	1.282	0	0.233	0.299
	LTE Band 7_MIMO2	20M	QPSK	50	0	Edge 4	4mm	OFF	21100	2535	Auden	21.97	23.00	1.268	-0.09	0.190	0.241
	LTE Band 7_MIMO2	20M	QPSK	50	0	Edge 1	0mm	ON	21350	2560	Speed	19.40	20.00	1.148	0.09	0.730	0.838
	LTE Band 7_MIMO2	20M	QPSK	50	0	Edge 1	0mm	ON	20850	2510	Speed	19.19	20.00	1.205	-0.01	0.897	1.081
	LTE Band 7_MIMO2	20M	QPSK	50	0	Edge 1	0mm	ON	21100	2535	Speed	19.43	20.00	1.140	0.05	0.737	0.840
	LTE Band 7C_MIMO2	20M	QPSK	1	0	Edge 1	0mm	ON	21350+21152	2560	Speed	18.39	20.00	1.449	-0.05	0.724	1.049
	LTE Band 7C_Main	20M	QPSK	1	0	Edge 1	0mm	ON	21100+20902	2535	Speed	18.35	20.00	1.462	-0.14	0.666	0.974
	LTE Band 7C_Main	20M	QPSK	1	0	Edge 1	0mm	ON	20850+21048	2510	Speed	18.26	20.00	1.493	-0.07	0.698	1.042



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 12_Main	10M	QPSK	1	0	Bottom Face	0mm	ON	23095	707.5	Auden	21.19	21.50	1.074	0.12	0.273	0.293
	LTE Band 12_Main	10M	QPSK	25	0	Bottom Face	0mm	ON	23095	707.5	Auden	21.01	21.50	1.119	0.12	0.267	0.299
	LTE Band 12_Main	10M	QPSK	1	0	Edge 1	0mm	ON	23095	707.5	Auden	21.19	21.50	1.074	-0.11	0.880	0.945
	LTE Band 12_Main	10M	QPSK	25	0	Edge 1	0mm	ON	23095	707.5	Auden	21.01	21.50	1.119	-0.06	0.896	1.003
	LTE Band 12_Main	10M	QPSK	50	0	Edge 1	0mm	ON	23095	707.5	Auden	20.94	21.50	1.138	-0.11	0.871	0.991
	LTE Band 12_Main	10M	QPSK	1	0	Edge 2	0mm	OFF	23095	707.5	Auden	22.38	24.00	1.452	-0.05	0.116	0.168
	LTE Band 12_Main	10M	QPSK	25	0	Edge 2	0mm	OFF	23095	707.5	Auden	21.00	23.00	1.585	0.08	0.077	0.122
	LTE Band 12_Main	10M	QPSK	1	0	Bottom Face	11mm	OFF	23095	707.5	Auden	22.38	24.00	1.452	0.02	0.125	0.182
	LTE Band 12_Main	10M	QPSK	25	0	Bottom Face	11mm	OFF	23095	707.5	Auden	21.00	23.00	1.585	0.17	0.098	0.155
	LTE Band 12_Main	10M	QPSK	1	0	Edge 1	23mm	OFF	23095	707.5	Auden	22.38	24.00	1.452	-0.02	0.067	0.097
	LTE Band 12_Main	10M	QPSK	25	0	Edge 1	23mm	OFF	23095	707.5	Auden	21.00	23.00	1.585	0.08	0.056	0.089
05	LTE Band 12_Main	10M	QPSK	25	0	Edge 1	0mm	ON	23095	707.5	Speed	21.01	21.50	1.119	0.06	0.997	1.116
	LTE Band 13_Main	10M	QPSK	1	0	Bottom Face	0mm	ON	23230	782	Auden	21.77	22.00	1.054	0.17	0.365	0.385
	LTE Band 13_Main	10M	QPSK	25	0	Bottom Face	0mm	ON	23230	782	Auden	20.85	22.00	1.303	0.02	0.345	0.450
	LTE Band 13_Main	10M	QPSK	1	0	Edge 1	0mm	ON	23230	782	Auden	21.77	22.00	1.054	-0.09	0.924	0.974
	LTE Band 13_Main	10M	QPSK	25	0	Edge 1	0mm	ON	23230	782	Auden	20.85	22.00	1.303	0.16	0.867	1.130
	LTE Band 13_Main	10M	QPSK	50	0	Edge 1	0mm	ON	23230	782	Auden	20.81	22.00	1.315	0.05	0.898	1.181
	LTE Band 13_Main	10M	QPSK	1	0	Edge 2	0mm	OFF	23230	782	Auden	22.18	24.00	1.521	0.02	0.165	0.251
	LTE Band 13_Main	10M	QPSK	25	0	Edge 2	0mm	OFF	23230	782	Auden	21.17	23.00	1.524	-0.15	0.089	0.136
	LTE Band 13_Main	10M	QPSK	1	0	Bottom Face	11mm	OFF	23230	782	Auden	22.18	24.00	1.521	-0.01	0.165	0.251
	LTE Band 13_Main	10M	QPSK	25	0	Bottom Face	11mm	OFF	23230	782	Auden	21.17	23.00	1.524	-0.16	0.121	0.184
	LTE Band 13_Main	10M	QPSK	1	0	Edge 1	23mm	OFF	23230	782	Auden	22.18	24.00	1.521	-0.03	0.084	0.128
	LTE Band 13_Main	10M	QPSK	25	0	Edge 1	23mm	OFF	23230	782	Auden	21.17	23.00	1.524	0.15	0.062	0.094
06	LTE Band 13_Main	10M	QPSK	50	0	Edge 1	0mm	ON	23230	782	Speed	20.81	22.00	1.315	-0.11	0.920	1.210
	LTE Band 14_Main	10M	QPSK	1	0	Bottom Face	0mm	ON	23330	793	Auden	21.48	22.00	1.127	0.19	0.356	0.401
	LTE Band 14_Main	10M	QPSK	25	0	Bottom Face	0mm	ON	23330	793	Auden	20.84	22.00	1.306	-0.18	0.361	0.472
	LTE Band 14_Main	10M	QPSK	1	0	Edge 1	0mm	ON	23330	793	Auden	21.48	22.00	1.127	-0.09	0.898	1.012
	LTE Band 14_Main	10M	QPSK	25	0	Edge 1	0mm	ON	23330	793	Auden	20.84	22.00	1.306	0.11	0.896	1.170
	LTE Band 14_Main	10M	QPSK	50	0	Edge 1	0mm	ON	23330	793	Auden	20.79	22.00	1.321	0.17	0.874	1.155
	LTE Band 14_Main	10M	QPSK	1	0	Edge 2	0mm	OFF	23330	793	Auden	22.24	24.00	1.500	-0.19	0.144	0.216
	LTE Band 14_Main	10M	QPSK	25	0	Edge 2	0mm	OFF	23330	793	Auden	21.19	23.00	1.517	-0.14	0.104	0.158
	LTE Band 14_Main	10M	QPSK	1	0	Bottom Face	11mm	OFF	23330	793	Auden	22.24	24.00	1.500	-0.15	0.161	0.241
	LTE Band 14_Main	10M	QPSK	25	0	Bottom Face	11mm	OFF	23330	793	Auden	21.19	23.00	1.517	0.07	0.131	0.199
	LTE Band 14_Main	10M	QPSK	1	0	Edge 1	23mm	OFF	23330	793	Auden	22.24	24.00	1.500	-0.07	0.076	0.114
	LTE Band 14_Main	10M	QPSK	25	0	Edge 1	23mm	OFF	23330	793	Auden	21.19	23.00	1.517	-0.09	0.068	0.103
07	LTE Band 14_Main	10M	QPSK	25	0	Edge 1	0mm	ON	23330	793	Speed	20.84	22.00	1.306	-0.09	0.919	1.200



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 25_Main	20M	QPSK	1	0	Bottom Face	0mm	ON	26340	1880	Auden	18.20	19.00	1.202	-0.07	0.298	0.358
	LTE Band 25_Main	20M	QPSK	50	0	Bottom Face	0mm	ON	26340	1880	Auden	17.93	19.00	1.279	-0.04	0.301	0.385
	LTE Band 25_Main	20M	QPSK	1	0	Edge 1	0mm	ON	26340	1880	Auden	18.20	19.00	1.202	-0.18	0.943	1.134
	LTE Band 25_Main	20M	QPSK	1	0	Edge 1	0mm	ON	26140	1860	Auden	18.17	19.00	1.211	-0.18	0.943	1.142
	LTE Band 25_Main	20M	QPSK	1	0	Edge 1	0mm	ON	26590	1905	Auden	18.14	19.00	1.219	-0.15	0.967	1.179
	LTE Band 25_Main	20M	QPSK	50	0	Edge 1	0mm	ON	26340	1880	Auden	17.93	19.00	1.279	0.04	0.939	1.201
	LTE Band 25_Main	20M	QPSK	50	0	Edge 1	0mm	ON	26140	1860	Auden	17.81	19.00	1.315	-0.18	0.971	1.277
	LTE Band 25_Main	20M	QPSK	50	0	Edge 1	0mm	ON	26590	1905	Auden	17.93	19.00	1.279	0.08	1.000	1.279
08	LTE Band 25_Main	20M	QPSK	100	0	Edge 1	0mm	ON	26590	1905	Auden	17.89	19.00	1.291	-0.05	1.020	1.317
	LTE Band 25_Main	20M	QPSK	1	0	Edge 2	0mm	OFF	26340	1880	Auden	22.32	24.00	1.472	-0.01	0.069	0.102
	LTE Band 25_Main	20M	QPSK	50	0	Edge 2	0mm	OFF	26340	1880	Auden	21.29	23.00	1.483	-0.15	0.072	0.107
	LTE Band 25_Main	20M	QPSK	1	0	Bottom Face	11mm	OFF	26340	1880	Auden	22.32	24.00	1.472	0.02	0.284	0.418
	LTE Band 25_Main	20M	QPSK	50	0	Bottom Face	11mm	OFF	26340	1880	Auden	21.29	23.00	1.483	0.09	0.223	0.331
	LTE Band 25_Main	20M	QPSK	1	0	Edge 1	23mm	OFF	26340	1880	Auden	22.32	24.00	1.472	-0.08	0.220	0.324
	LTE Band 25_Main	20M	QPSK	50	0	Edge 1	23mm	OFF	26340	1880	Auden	21.29	23.00	1.483	0.18	0.172	0.255
	LTE Band 25_Main	20M	QPSK	100	0	Edge 1	0mm	ON	26590	1905	Speed	17.89	19.00	1.291	-0.05	1.010	1.304
	LTE Band 25_MIMO2	20M	QPSK	1	0	Bottom Face	0mm	ON	26340	1880	Auden	21.50	22.00	1.122	0.03	0.165	0.185
	LTE Band 25_MIMO2	20M	QPSK	50	0	Bottom Face	0mm	ON	26340	1880	Auden	20.75	21.00	1.059	0.15	0.167	0.177
	LTE Band 25_MIMO2	20M	QPSK	1	0	Edge 1	0mm	ON	26340	1880	Auden	21.50	22.00	1.122	0.05	0.217	0.243
	LTE Band 25_MIMO2	20M	QPSK	50	0	Edge 1	0mm	ON	26340	1880	Auden	20.75	21.00	1.059	-0.04	0.219	0.232
	LTE Band 25_MIMO2	20M	QPSK	1	0	Edge 4	0mm	ON	26340	1880	Auden	21.50	22.00	1.122	-0.04	0.574	0.644
	LTE Band 25_MIMO2	20M	QPSK	1	0	Edge 4	0mm	ON	26140	1860	Auden	21.39	22.00	1.151	0.09	0.596	0.686
	LTE Band 25_MIMO2	20M	QPSK	1	0	Edge 4	0mm	ON	26590	1905	Auden	21.49	22.00	1.125	0.05	0.585	0.658
	LTE Band 25_MIMO2	20M	QPSK	50	0	Edge 4	0mm	ON	26340	1880	Auden	20.75	21.00	1.059	0.02	0.582	0.616
	LTE Band 25_MIMO2	20M	QPSK	1	0	Edge 1	19mm	OFF	26340	1880	Auden	22.60	24.00	1.380	-0.1	0.005	0.007
	LTE Band 25_MIMO2	20M	QPSK	50	0	Edge 1	19mm	OFF	26340	1880	Auden	21.67	23.00	1.358	-0.12	0.001	0.001
	LTE Band 25_MIMO2	20M	QPSK	1	0	Edge 4	4mm	OFF	26340	1880	Auden	22.60	24.00	1.380	0	0.253	0.349
	LTE Band 25_MIMO2	20M	QPSK	50	0	Edge 4	4mm	OFF	26340	1880	Auden	21.67	23.00	1.358	-0.14	0.196	0.266
	LTE Band 25_MIMO2	20M	QPSK	1	0	Edge 4	0mm	ON	26140	1860	Speed	21.39	22.00	1.151	-0.14	0.829	0.954
	LTE Band 25_MIMO2	20M	QPSK	1	0	Edge 4	0mm	ON	26340	1880	Speed	21.50	22.00	1.122	0.19	0.816	0.916
	LTE Band 25_MIMO2	20M	QPSK	1	0	Edge 4	0mm	ON	26590	1905	Speed	21.49	22.00	1.125	0.11	0.836	0.940
	LTE Band 25_MIMO2	20M	QPSK	50	0	Edge 4	0mm	ON	26140	1860	Speed	20.59	21.00	1.099	-0.12	0.846	0.930
	LTE Band 25_MIMO2	20M	QPSK	50	0	Edge 4	0mm	ON	26340	1880	Speed	20.75	21.00	1.059	0.12	0.831	0.880
	LTE Band 25_MIMO2	20M	QPSK	50	0	Edge 4	0mm	ON	26590	1905	Speed	20.73	21.00	1.064	-0.16	0.822	0.875
	LTE Band 25_MIMO2	20M	QPSK	100	0	Edge 4	0mm	ON	26590	1905	Speed	20.73	21.00	1.064	0.12	0.825	0.878



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 26_Main	15M	QPSK	1	0	Bottom Face	0mm	ON	26865	831.5	Auden	21.44	22.00	1.138	-0.18	0.315	0.358
	LTE Band 26_Main	15M	QPSK	36	0	Bottom Face	0mm	ON	26865	831.5	Auden	21.34	22.00	1.164	-0.19	0.318	0.370
	LTE Band 26_Main	15M	QPSK	1	0	Edge 1	0mm	ON	26865	831.5	Auden	21.44	22.00	1.138	0.02	0.832	0.947
	LTE Band 26_Main	15M	QPSK	36	0	Edge 1	0mm	ON	26865	831.5	Auden	21.34	22.00	1.164	0.12	0.851	0.991
09	LTE Band 26_Main	15M	QPSK	75	0	Edge 1	0mm	ON	26865	831.5	Auden	21.38	22.00	1.153	-0.01	0.884	1.020
	LTE Band 26_Main	15M	QPSK	1	0	Edge 2	0mm	OFF	26865	831.5	Auden	22.93	24.00	1.279	0.1	0.167	0.214
	LTE Band 26_Main	15M	QPSK	36	0	Edge 2	0mm	OFF	26865	831.5	Auden	21.93	23.00	1.279	-0.15	0.168	0.215
	LTE Band 26_Main	15M	QPSK	1	0	Bottom Face	11mm	OFF	26865	831.5	Auden	22.93	24.00	1.279	0.17	0.145	0.186
	LTE Band 26_Main	15M	QPSK	36	0	Bottom Face	11mm	OFF	26865	831.5	Auden	21.93	23.00	1.279	0	0.115	0.147
	LTE Band 26_Main	15M	QPSK	1	0	Edge 1	23mm	OFF	26865	831.5	Auden	22.93	24.00	1.279	0.07	0.071	0.091
	LTE Band 26_Main	15M	QPSK	36	0	Edge 1	23mm	OFF	26865	831.5	Auden	21.93	23.00	1.279	0.15	0.060	0.077
	LTE Band 26_Main	15M	QPSK	75	0	Edge 1	0mm	ON	26865	831.5	Speed	21.38	22.00	1.153	0.13	0.878	1.013
	LTE Band 5B_Main	10M	QPSK	1	0	Edge 1	0mm	ON	20575+20476	841.5	Auden	20.83	22.00	1.309	0.01	0.718	0.940
	LTE Band 30_Main	10M	QPSK	1	0	Bottom Face	0mm	OFF	27710	2310	Auden	22.18	23.00	1.208	-0.02	0.465	0.562
	LTE Band 30_Main	10M	QPSK	25	0	Bottom Face	0mm	OFF	27710	2310	Auden	20.87	22.00	1.297	-0.09	0.332	0.431
	LTE Band 30_Main	10M	QPSK	1	0	Edge 1	0mm	OFF	27710	2310	Auden	22.18	23.00	1.208	0.04	0.495	0.598
	LTE Band 30_Main	10M	QPSK	25	0	Edge 1	0mm	OFF	27710	2310	Auden	20.87	22.00	1.297	-0.11	0.339	0.440
	LTE Band 30_Main	10M	QPSK	1	0	Edge 2	0mm	OFF	27710	2310	Auden	22.18	23.00	1.208	0.04	0.001	0.001
	LTE Band 30_Main	10M	QPSK	25	0	Edge 2	0mm	OFF	27710	2310	Auden	20.87	22.00	1.297	-0.13	0.001	0.001
10	LTE Band 30_Main	10M	QPSK	1	0	Edge 1	0mm	OFF	27710	2310	Speed	22.18	23.00	1.208	-0.14	0.857	1.035
	LTE Band 30_MIMO2	10M	QPSK	1	0	Bottom Face	0mm	OFF	27710	2310	Auden	21.67	23.00	1.358	0	0.213	0.289
	LTE Band 30_MIMO2	10M	QPSK	25	0	Bottom Face	0mm	OFF	27710	2310	Auden	20.34	22.00	1.466	0.18	0.168	0.246
	LTE Band 30_MIMO2	10M	QPSK	1	0	Edge 1	0mm	OFF	27710	2310	Auden	21.67	23.00	1.358	-0.09	0.499	0.678
	LTE Band 30_MIMO2	10M	QPSK	25	0	Edge 1	0mm	OFF	27710	2310	Auden	20.34	22.00	1.466	0.07	0.422	0.618
	LTE Band 30_MIMO2	10M	QPSK	1	0	Edge 4	0mm	OFF	27710	2310	Auden	21.67	23.00	1.358	0.07	0.409	0.556
	LTE Band 30_MIMO2	10M	QPSK	25	0	Edge 4	0mm	OFF	27710	2310	Auden	20.34	22.00	1.466	-0.07	0.318	0.466
	LTE Band 30_MIMO2	10M	QPSK	1	0	Edge 1	0mm	OFF	27710	2310	Speed	21.67	23.00	1.358	-0.06	0.639	0.868



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 66_Main	20M	QPSK	1	0	Bottom Face	0mm	ON	132322	1745	Auden	19.18	19.50	1.076	-0.01	0.335	0.361
	LTE Band 66_Main	20M	QPSK	50	0	Bottom Face	0mm	ON	132322	1745	Auden	18.98	19.50	1.127	0.05	0.342	0.386
	LTE Band 66_Main	20M	QPSK	1	0	Edge 1	0mm	ON	132322	1745	Auden	19.18	19.50	1.076	0.16	0.936	1.008
	LTE Band 66_Main	20M	QPSK	1	0	Edge 1	0mm	ON	132072	1720	Auden	19.17	19.50	1.079	-0.19	0.980	1.057
	LTE Band 66_Main	20M	QPSK	1	0	Edge 1	0mm	ON	132572	1770	Auden	19.05	19.50	1.109	0.01	1.020	1.131
	LTE Band 66_Main	20M	QPSK	50	0	Edge 1	0mm	ON	132322	1745	Auden	18.98	19.50	1.127	0.14	0.961	1.083
	LTE Band 66_Main	20M	QPSK	50	0	Edge 1	0mm	ON	132072	1720	Auden	18.94	19.50	1.138	0.02	0.973	1.107
	LTE Band 66_Main	20M	QPSK	50	0	Edge 1	0mm	ON	132572	1770	Auden	18.82	19.50	1.169	-0.19	1.010	1.181
11	LTE Band 66_Main	20M	QPSK	100	0	Edge 1	0mm	ON	132572	1770	Auden	19.01	19.50	1.119	0.03	1.070	1.198
	LTE Band 66_Main	20M	QPSK	1	0	Edge 2	0mm	OFF	132322	1745	Auden	22.28	24.00	1.486	0.17	0.001	0.001
	LTE Band 66_Main	20M	QPSK	50	0	Edge 2	0mm	OFF	132322	1745	Auden	21.14	23.00	1.535	-0.11	0.001	0.002
	LTE Band 66_Main	20M	QPSK	1	0	Bottom Face	11mm	OFF	132322	1745	Auden	22.28	24.00	1.486	0.06	0.286	0.425
	LTE Band 66_Main	20M	QPSK	50	0	Bottom Face	11mm	OFF	132322	1745	Auden	21.14	23.00	1.535	0.05	0.229	0.351
	LTE Band 66_Main	20M	QPSK	1	0	Edge 1	23mm	OFF	132322	1745	Auden	22.28	24.00	1.486	-0.19	0.263	0.391
	LTE Band 66_Main	20M	QPSK	50	0	Edge 1	23mm	OFF	132322	1745	Auden	21.14	23.00	1.535	0.19	0.209	0.321
	LTE Band 66_Main	20M	QPSK	100	0	Edge 1	0mm	ON	132572	1770	Speed	19.01	19.50	1.119	0.14	0.987	1.105
	LTE Band 66B_Main	15M	QPSK	1	0	Edge 1	0mm	ON	132597+132504	1772.5	Auden	17.59	19.50	1.552	-0.04	0.651	1.011
	LTE Band 66B_Main	15M	QPSK	1	0	Edge 1	0mm	ON	132047+132140	1717.5	Auden	17.57	19.50	1.560	0.11	0.541	0.844
	LTE Band 66B_Main	15M	QPSK	1	0	Edge 1	0mm	ON	132322+132229	1745	Auden	17.55	19.50	1.567	0.15	0.449	0.703
	LTE Band 66C_Main	20M	QPSK	1	0	Edge 1	0mm	ON	132572+132374	1770	Auden	17.63	19.50	1.538	0.09	0.626	0.963
	LTE Band 66C_Main	20M	QPSK	1	0	Edge 1	0mm	ON	132072+132270	1720	Auden	17.62	19.50	1.542	-0.07	0.607	0.936
	LTE Band 66C_Main	20M	QPSK	1	0	Edge 1	0mm	ON	132322+132124	1745	Auden	17.60	19.50	1.549	-0.04	0.590	0.914
	LTE Band 66_MIMO2	20M	QPSK	1	0	Bottom Face	0mm	ON	132322	1745	Auden	21.88	22.50	1.153	0.13	0.185	0.213
	LTE Band 66_MIMO2	20M	QPSK	50	0	Bottom Face	0mm	ON	132322	1745	Auden	20.58	21.50	1.236	0.06	0.190	0.235
	LTE Band 66_MIMO2	20M	QPSK	1	0	Edge 1	0mm	ON	132322	1745	Auden	21.88	22.50	1.153	-0.11	0.257	0.296
	LTE Band 66_MIMO2	20M	QPSK	50	0	Edge 1	0mm	ON	132322	1745	Auden	20.58	21.50	1.236	0.11	0.265	0.328
	LTE Band 66_MIMO2	20M	QPSK	1	0	Edge 4	0mm	ON	132322	1745	Auden	21.88	22.50	1.153	-0.18	0.708	0.817
	LTE Band 66_MIMO2	20M	QPSK	1	0	Edge 4	0mm	ON	132072	1720	Auden	21.78	22.50	1.180	-0.17	0.752	0.888
	LTE Band 66_MIMO2	20M	QPSK	1	0	Edge 4	0mm	ON	132572	1770	Auden	21.76	22.50	1.186	-0.04	0.642	0.761
	LTE Band 66_MIMO2	20M	QPSK	50	0	Edge 4	0mm	ON	132322	1745	Auden	20.58	21.50	1.236	-0.05	0.711	0.879
	LTE Band 66_MIMO2	20M	QPSK	50	0	Edge 4	0mm	ON	132072	1720	Auden	20.52	21.50	1.253	0.1	0.769	0.964
	LTE Band 66_MIMO2	20M	QPSK	50	0	Edge 4	0mm	ON	132572	1770	Auden	20.50	21.50	1.259	-0.13	0.651	0.820
	LTE Band 66_MIMO2	20M	QPSK	100	0	Edge 4	0mm	ON	132322	1745	Auden	20.49	21.50	1.262	0.13	0.697	0.879
	LTE Band 66_MIMO2	20M	QPSK	1	0	Edge 1	19mm	OFF	132322	1745	Auden	22.46	24.00	1.426	0.13	0.037	0.053
	LTE Band 66_MIMO2	20M	QPSK	50	0	Edge 1	19mm	OFF	132322	1745	Auden	21.51	23.00	1.409	0.14	0.026	0.037
	LTE Band 66_MIMO2	20M	QPSK	1	0	Edge 4	4mm	OFF	132322	1745	Auden	22.46	24.00	1.426	-0.15	0.294	0.419
	LTE Band 66_MIMO2	20M	QPSK	50	0	Edge 4	4mm	OFF	132322	1745	Auden	21.51	23.00	1.409	0.11	0.231	0.326
	LTE Band 66_MIMO2	20M	QPSK	50	0	Edge 4	0mm	ON	132072	1720	Speed	20.52	21.50	1.253	-0.15	0.804	1.008
	LTE Band 66_MIMO2	20M	QPSK	50	0	Edge 4	0mm	ON	132322	1745	Speed	20.58	21.50	1.236	-0.14	0.815	1.007
	LTE Band 66_MIMO2	20M	QPSK	50	0	Edge 4	0mm	ON	132572	1770	Speed	20.50	21.50	1.259	-0.13	0.795	1.001
	LTE Band 66B_MIMO2	15M	QPSK	1	0	Edge 4	0mm	ON	132322+132229	1745	Speed	20.80	22.50	1.479	-0.04	0.674	0.997
	LTE Band 66B_MIMO2	15M	QPSK	1	0	Edge 4	0mm	ON	132047+132140	1717.5	Speed	20.53	22.50	1.574	-0.04	0.621	0.977
	LTE Band 66C_MIMO2	15M	QPSK	1	0	Edge 4	0mm	ON	132597+132504	1772.5	Speed	20.76	22.50	1.493	0.12	0.559	0.834
	LTE Band 66C_MIMO2	20M	QPSK	1	0	Edge 4	0mm	ON	132322+132124	1745	Speed	20.84	22.50	1.466	0.09	0.608	0.891
	LTE Band 66C_MIMO2	20M	QPSK	1	0	Edge 4	0mm	ON	132072+132270	1720	Speed	20.66	22.50	1.528	0	0.529	0.808
	LTE Band 66C_MIMO2	20M	QPSK	1	0	Edge 4	0mm	ON	132572+132374	1770	Speed	20.73	22.50	1.503	0.01	0.587	0.882



FCC SAR TEST REPORT

Report No. : FA2N0217

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 71_Main	20M	QPSK	1	0	Bottom Face	0mm	ON	133297	680.5	Auden	21.79	22.00	1.050	-0.09	0.255	0.268
	LTE Band 71_Main	20M	QPSK	50	0	Bottom Face	0mm	ON	133297	680.5	Auden	21.12	22.00	1.225	-0.15	0.283	0.347
	LTE Band 71_Main	20M	QPSK	1	0	Edge 1	0mm	ON	133297	680.5	Auden	21.79	22.00	1.050	-0.1	0.936	0.982
	LTE Band 71_Main	20M	QPSK	50	0	Edge 1	0mm	ON	133297	680.5	Auden	21.12	22.00	1.225	0.13	0.916	1.122
12	LTE Band 71_Main	20M	QPSK	100	0	Edge 1	0mm	ON	133297	680.5	Auden	21.06	22.00	1.242	-0.16	1.030	1.279
	LTE Band 71_Main	20M	QPSK	1	0	Edge 2	0mm	OFF	133297	680.5	Auden	22.47	24.00	1.422	-0.12	0.101	0.144
	LTE Band 71_Main	20M	QPSK	50	0	Edge 2	0mm	OFF	133297	680.5	Auden	21.35	23.00	1.462	-0.11	0.063	0.092
	LTE Band 71_Main	20M	QPSK	1	0	Bottom Face	11mm	OFF	133297	680.5	Auden	22.47	24.00	1.422	0.16	0.113	0.161
	LTE Band 71_Main	20M	QPSK	50	0	Bottom Face	11mm	OFF	133297	680.5	Auden	21.35	23.00	1.462	-0.15	0.100	0.146
	LTE Band 71_Main	20M	QPSK	1	0	Edge 1	23mm	OFF	133297	680.5	Auden	22.47	24.00	1.422	-0.07	0.063	0.090
	LTE Band 71_Main	20M	QPSK	50	0	Edge 1	23mm	OFF	133297	680.5	Auden	21.35	23.00	1.462	-0.07	0.055	0.080
	LTE Band 71_Main	20M	QPSK	100	0	Edge 1	0mm	ON	133297	680.5	Speed	21.06	22.00	1.242	-0.02	0.991	1.230

<TDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 41_Main	20M	QPSK	1	0	Bottom Face	0mm	ON	41055	2636.5	Auden	17.41	17.50	1.021	62.9	1.006	0	0.081	0.083
	LTE Band 41_Main	20M	QPSK	50	0	Bottom Face	0mm	ON	41055	2636.5	Auden	17.42	17.50	1.019	62.9	1.006	0.02	0.089	0.091
	LTE Band 41_Main	20M	QPSK	1	0	Edge 1	0mm	ON	41055	2636.5	Auden	17.41	17.50	1.021	62.9	1.006	-0.08	0.272	0.279
	LTE Band 41_Main	20M	QPSK	1	0	Edge 1	0mm	ON	39750	2506	Auden	17.05	17.50	1.109	62.9	1.006	0.08	0.255	0.285
	LTE Band 41_Main	20M	QPSK	1	0	Edge 1	0mm	ON	40185	2549.5	Auden	16.04	17.50	1.400	62.9	1.006	-0.06	0.248	0.349
	LTE Band 41_Main	20M	QPSK	1	0	Edge 1	0mm	ON	40620	2593	Auden	16.75	17.50	1.189	62.9	1.006	0.07	0.198	0.237
	LTE Band 41_Main	20M	QPSK	1	0	Edge 1	0mm	ON	41490	2680	Auden	16.65	17.50	1.216	62.9	1.006	-0.09	0.247	0.302
	LTE Band 41_Main	20M	QPSK	50	0	Edge 1	0mm	ON	41055	2636.5	Auden	17.42	17.50	1.019	62.9	1.006	-0.14	0.264	0.271
	LTE Band 41_Main	20M	QPSK	1	0	Edge 2	0mm	OFF	41055	2636.5	Auden	22.82	24.00	1.312	62.9	1.006	0.05	0.001	0.001
	LTE Band 41_Main	20M	QPSK	50	0	Edge 2	0mm	OFF	41055	2636.5	Auden	21.99	23.00	1.262	62.9	1.006	-0.15	0.001	0.001
	LTE Band 41_Main	20M	QPSK	1	0	Bottom Face	11mm	OFF	41055	2636.5	Auden	22.82	24.00	1.312	62.9	1.006	-0.03	0.001	0.001
	LTE Band 41_Main	20M	QPSK	50	0	Bottom Face	11mm	OFF	41055	2636.5	Auden	21.99	23.00	1.262	62.9	1.006	0.19	0.001	0.001
	LTE Band 41_Main	20M	QPSK	1	0	Edge 1	23mm	OFF	41055	2636.5	Auden	22.82	24.00	1.312	62.9	1.006	-0.19	0.011	0.015
	LTE Band 41_Main	20M	QPSK	50	0	Edge 1	23mm	OFF	41055	2636.5	Auden	21.99	23.00	1.262	62.9	1.006	0.18	0.013	0.017
	LTE Band 41_Main	20M	QPSK	1	0	Edge 1	0mm	ON	40185	2549.5	Speed	16.04	17.50	1.400	62.9	1.006	-0.19	0.479	0.674
	LTE Band 41_Main	20M	QPSK	1	0	Edge 1	0mm	ON	41055	2636.5	Speed	17.41	17.50	1.021	62.9	1.006	-0.13	0.347	0.356
	LTE Band 41_Main	20M	QPSK	1	0	Edge 1	0mm	ON	39750	2506	Speed	17.05	17.50	1.109	62.9	1.006	0.07	0.512	0.571
	LTE Band 41_Main	20M	QPSK	1	0	Edge 1	0mm	ON	40620	2593	Speed	16.75	17.50	1.189	62.9	1.006	-0.13	0.338	0.404
	LTE Band 41_Main	20M	QPSK	1	0	Edge 1	0mm	ON	41490	2680	Speed	16.65	17.50	1.216	62.9	1.006	-0.03	0.341	0.417
	LTE Band 41C_Main	20M	QPSK	1	0	Edge 1	0mm	ON	40620+40422	2593	Speed	15.88	17.50	1.452	62.9	1.006	-0.03	0.381	0.557



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 41_MIMO2	20M	QPSK	1	0	Bottom Face	0mm	ON	40620	2593	Auden	20.23	21.50	1.340	62.9	1.006	-0.15	0.124	0.167
	LTE Band 41_MIMO2	20M	QPSK	50	0	Bottom Face	0mm	ON	40620	2593	Auden	20.25	21.50	1.334	62.9	1.006	-0.16	0.129	0.173
	LTE Band 41_MIMO2	20M	QPSK	1	0	Edge 1	0mm	ON	40620	2593	Auden	20.23	21.50	1.340	62.9	1.006	0.02	0.783	1.055
	LTE Band 41_MIMO2	20M	QPSK	1	0	Edge 1	0mm	ON	41055	2636.5	Auden	20.00	21.50	1.413	62.9	1.006	-0.12	0.692	0.983
	LTE Band 41_MIMO2	20M	QPSK	1	0	Edge 1	0mm	ON	39750	2506	Auden	19.85	21.50	1.462	62.9	1.006	-0.16	0.314	0.462
	LTE Band 41_MIMO2	20M	QPSK	1	0	Edge 1	0mm	ON	40185	2549.5	Auden	19.81	21.50	1.476	62.9	1.006	-0.06	0.597	0.886
	LTE Band 41_MIMO2	20M	QPSK	1	0	Edge 1	0mm	ON	41490	2680	Auden	19.98	21.50	1.419	62.9	1.006	0.1	0.539	0.769
	LTE Band 41_MIMO2	20M	QPSK	50	0	Edge 1	0mm	ON	40620	2593	Auden	20.25	21.50	1.334	62.9	1.006	0.02	0.821	1.101
	LTE Band 41_MIMO2	20M	QPSK	50	0	Edge 1	0mm	ON	41055	2636.5	Auden	20.14	21.50	1.368	62.9	1.006	0.04	0.701	0.965
	LTE Band 41_MIMO2	20M	QPSK	50	0	Edge 1	0mm	ON	39750	2506	Auden	20.09	21.50	1.384	62.9	1.006	-0.19	0.357	0.497
	LTE Band 41_MIMO2	20M	QPSK	50	0	Edge 1	0mm	ON	40185	2549.5	Auden	19.98	21.50	1.419	62.9	1.006	-0.15	0.626	0.894
	LTE Band 41_MIMO2	20M	QPSK	50	0	Edge 1	0mm	ON	41490	2680	Auden	20.04	21.50	1.400	62.9	1.006	-0.06	0.585	0.824
	LTE Band 41_MIMO2	20M	QPSK	100	0	Edge 1	0mm	ON	40620	2593	Auden	20.12	21.50	1.374	62.9	1.006	-0.15	0.645	0.892
	LTE Band 41_MIMO2	20M	QPSK	1	0	Edge 4	0mm	ON	40620	2593	Auden	20.23	21.50	1.340	62.9	1.006	0.19	0.254	0.342
	LTE Band 41_MIMO2	20M	QPSK	50	0	Edge 4	0mm	ON	40620	2593	Auden	20.25	21.50	1.334	62.9	1.006	-0.02	0.274	0.368
	LTE Band 41_MIMO2	20M	QPSK	1	0	Edge 1	19mm	OFF	40620	2593	Speed	23.25	24.00	1.189	62.9	1.006	0.11	0.082	0.098
	LTE Band 41_MIMO2	20M	QPSK	50	0	Edge 1	19mm	OFF	40620	2593	Speed	22.20	23.00	1.202	62.9	1.006	0.18	0.064	0.077
	LTE Band 41_MIMO2	20M	QPSK	1	0	Edge 4	4mm	OFF	40620	2593	Speed	23.25	24.00	1.189	62.9	1.006	-0.07	0.164	0.196
	LTE Band 41_MIMO2	20M	QPSK	50	0	Edge 4	4mm	OFF	40620	2593	Speed	22.20	23.00	1.202	62.9	1.006	0.03	0.139	0.168
	LTE Band 41_MIMO2	20M	QPSK	50	0	Edge 1	0mm	ON	40620	2593	Speed	20.25	21.50	1.334	62.9	1.006	-0.18	0.591	0.793
13	LTE Band 41_MIMO2	20M	QPSK	50	0	Edge 1	0mm	ON	41055	2636.5	Speed	20.14	21.50	1.368	62.9	1.006	-0.05	0.904	1.244
	LTE Band 41_MIMO2	20M	QPSK	50	0	Edge 1	0mm	ON	39750	2506	Speed	20.09	21.50	1.384	62.9	1.006	0.05	0.660	0.919
	LTE Band 41_MIMO2	20M	QPSK	50	0	Edge 1	0mm	ON	40185	2549.5	Speed	19.98	21.50	1.419	62.9	1.006	0	0.510	0.728
	LTE Band 41_MIMO2	20M	QPSK	50	0	Edge 1	0mm	ON	41490	2680	Speed	20.04	21.50	1.400	62.9	1.006	-0.07	0.857	1.207
	LTE Band 41C_MIMO2	20M	QPSK	1	0	Edge 1	0mm	ON	40620+40422	2593	Speed	20.55	21.50	1.245	62.9	1.006	-0.18	0.881	1.103
	LTE Band 41C_MIMO2	20M	QPSK	1	0	Edge 1	0mm	ON	39750+39948	2506	Speed	20.18	21.50	1.355	62.9	1.006	0.03	0.654	0.892
	LTE Band 41C_MIMO2	20M	QPSK	1	0	Edge 1	0mm	ON	40185+39987	2549.5	Speed	20.13	21.50	1.371	62.9	1.006	0.11	0.752	1.037
	LTE Band 41C_MIMO2	20M	QPSK	1	0	Edge 1	0mm	ON	41055+40857	2636.5	Speed	20.36	21.50	1.300	62.9	1.006	0.16	0.711	0.930
	LTE Band 41C_MIMO2	20M	QPSK	1	0	Edge 1	0mm	ON	41490+41292	2680	Speed	20.42	21.50	1.282	62.9	1.006	-0.09	0.803	1.036



FCC SAR TEST REPORT

Report No. : FA2N0217

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 48_MIMO2	20M	QPSK	1	0	Bottom Face	0mm	ON	56150	3641	Auden	18.36	19.00	1.159	62.9	1.006	0.02	0.173	0.202
	LTE Band 48_MIMO2	20M	QPSK	50	0	Bottom Face	0mm	ON	56150	3641	Auden	18.43	19.00	1.140	62.9	1.006	0.17	0.181	0.208
	LTE Band 48_MIMO2	20M	QPSK	1	0	Edge 1	0mm	ON	56150	3641	Auden	18.36	19.00	1.159	62.9	1.006	-0.06	0.821	0.957
	LTE Band 48_MIMO2	20M	QPSK	1	0	Edge 1	0mm	ON	55340	3560	Auden	18.27	19.00	1.183	62.9	1.006	0.06	0.821	0.977
	LTE Band 48_MIMO2	20M	QPSK	1	0	Edge 1	0mm	ON	55830	3609	Auden	18.32	19.00	1.169	62.9	1.006	0.17	0.911	1.072
	LTE Band 48_MIMO2	20M	QPSK	1	0	Edge 1	0mm	ON	56640	3690	Auden	17.72	19.00	1.343	62.9	1.006	-0.19	0.781	1.055
	LTE Band 48_MIMO2	20M	QPSK	50	0	Edge 1	0mm	ON	56150	3641	Auden	18.43	19.00	1.140	62.9	1.006	-0.01	0.961	1.102
	LTE Band 48_MIMO2	20M	QPSK	50	0	Edge 1	0mm	ON	55340	3560	Auden	18.38	19.00	1.153	62.9	1.006	0.08	0.862	1.000
	LTE Band 48_MIMO2	20M	QPSK	50	0	Edge 1	0mm	ON	55830	3609	Auden	18.36	19.00	1.159	62.9	1.006	-0.14	0.912	1.063
	LTE Band 48_MIMO2	20M	QPSK	50	0	Edge 1	0mm	ON	56640	3690	Auden	17.79	19.00	1.321	62.9	1.006	-0.04	0.806	1.071
	LTE Band 48_MIMO2	20M	QPSK	100	0	Edge 1	0mm	ON	56150	3641	Auden	18.36	19.00	1.159	62.9	1.006	0.02	0.933	1.088
	LTE Band 48_MIMO2	20M	QPSK	1	0	Edge 4	0mm	ON	56150	3641	Auden	18.36	19.00	1.159	62.9	1.006	0.1	0.336	0.392
	LTE Band 48_MIMO2	20M	QPSK	50	0	Edge 4	0mm	ON	56150	3641	Auden	18.43	19.00	1.140	62.9	1.006	-0.06	0.341	0.391
	LTE Band 48_MIMO2	20M	QPSK	1	0	Edge 1	19mm	OFF	56150	3641	Auden	21.39	22.00	1.151	62.9	1.006	-0.02	0.157	0.182
	LTE Band 48_MIMO2	20M	QPSK	50	0	Edge 1	19mm	OFF	56150	3641	Auden	20.43	21.00	1.140	62.9	1.006	-0.05	0.128	0.147
	LTE Band 48_MIMO2	20M	QPSK	1	0	Edge 4	4mm	OFF	56150	3641	Auden	21.39	22.00	1.151	62.9	1.006	-0.01	0.227	0.263
	LTE Band 48_MIMO2	20M	QPSK	50	0	Edge 4	4mm	OFF	56150	3641	Auden	20.43	21.00	1.140	62.9	1.006	0.19	0.192	0.220
	LTE Band 48_MIMO2	20M	QPSK	50	0	Edge 1	0mm	ON	56150	3641	Speed	18.43	19.00	1.140	62.9	1.006	-0.11	0.851	0.976
14	LTE Band 48_MIMO2	20M	QPSK	50	0	Edge 1	0mm	ON	56640	3690	Speed	17.79	19.00	1.321	62.9	1.006	-0.16	0.966	1.284
	LTE Band 48_MIMO2	20M	QPSK	50	0	Edge 1	0mm	ON	55340	3560	Speed	18.38	19.00	1.153	62.9	1.006	-0.08	0.941	1.092
	LTE Band 48_MIMO2	20M	QPSK	50	0	Edge 1	0mm	ON	55830	3609	Speed	18.36	19.00	1.159	62.9	1.006	0.19	0.780	0.909
	LTE Band 48C_MIMO2	20M	QPSK	1	0	Edge 1	0mm	ON	56150+55952	3641	Speed	17.39	19.00	1.449	62.9	1.006	0.08	0.779	1.135
	LTE Band 48C_MIMO2	20M	QPSK	1	0	Edge 1	0mm	ON	55340+55538	3560	Speed	17.25	19.00	1.496	62.9	1.006	0.13	0.697	1.049
	LTE Band 48C_MIMO2	20M	QPSK	1	0	Edge 1	0mm	ON	55830+55632	3609	Speed	17.33	19.00	1.469	62.9	1.006	-0.19	0.759	1.122
	LTE Band 48C_MIMO2	20M	QPSK	1	0	Edge 1	0mm	ON	56640+56442	3690	Speed	17.00	19.00	1.585	62.9	1.006	-0.09	0.690	1.100



<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n2_MIMO2	20M	BPSK	1	1	Bottom Face	0mm	OFF	376000	1880	Auden	23.35	24.00	1.161	0.13	0.306	0.355
	FR1 n2_MIMO2	20M	BPSK	50	28	Bottom Face	0mm	OFF	376000	1880	Auden	23.40	24.00	1.148	0.04	0.331	0.380
	FR1 n2_MIMO2	20M	BPSK	1	1	Edge 1	0mm	ON	376000	1880	Auden	21.38	22.00	1.153	0.05	0.217	0.250
	FR1 n2_MIMO2	20M	BPSK	50	28	Edge 1	0mm	ON	376000	1880	Auden	21.56	22.00	1.107	0.06	0.235	0.260
	FR1 n2_MIMO2	20M	BPSK	1	1	Edge 4	0mm	ON	376000	1880	Auden	21.38	22.00	1.153	-0.02	0.622	0.717
	FR1 n2_MIMO2	20M	BPSK	1	1	Edge 4	0mm	ON	372000	1860	Auden	21.30	22.00	1.175	-0.02	0.628	0.738
	FR1 n2_MIMO2	20M	BPSK	1	1	Edge 4	0mm	ON	380000	1900	Auden	21.20	22.00	1.202	0.12	0.618	0.743
	FR1 n2_MIMO2	20M	BPSK	50	28	Edge 4	0mm	ON	376000	1880	Auden	21.56	22.00	1.107	0.01	0.633	0.700
	FR1 n2_MIMO2	20M	BPSK	1	1	Edge 1	19mm	OFF	376000	1880	Auden	23.35	24.00	1.161	0.19	0.001	0.001
	FR1 n2_MIMO2	20M	BPSK	50	28	Edge 1	19mm	OFF	376000	1880	Auden	23.40	24.00	1.148	-0.07	0.001	0.001
	FR1 n2_MIMO2	20M	BPSK	1	1	Edge 4	4mm	OFF	376000	1880	Auden	23.35	24.00	1.161	-0.18	0.309	0.359
	FR1 n2_MIMO2	20M	BPSK	50	28	Edge 4	4mm	OFF	376000	1880	Auden	23.40	24.00	1.148	0.11	0.338	0.388
15	FR1 n2_MIMO2	20M	BPSK	1	1	Edge 4	0mm	ON	380000	1900	Speed	21.20	22.00	1.202	-0.12	0.869	1.045
	FR1 n2_MIMO2	20M	BPSK	1	1	Edge 4	0mm	ON	376000	1880	Speed	21.38	22.00	1.153	0.17	0.805	0.929
	FR1 n2_MIMO2	20M	BPSK	1	1	Edge 4	0mm	ON	372000	1860	Speed	21.30	22.00	1.175	0.1	0.813	0.955
	FR1 n5_Main	20M	BPSK	1	1	Bottom Face	0mm	ON	167300	836.5	Auden	22.40	23.00	1.148	-0.11	0.371	0.426
	FR1 n5_Main	20M	BPSK	50	28	Bottom Face	0mm	ON	167300	836.5	Auden	22.59	23.00	1.099	-0.01	0.392	0.431
	FR1 n5_Main	20M	BPSK	1	1	Edge 1	0mm	ON	167300	836.5	Auden	22.40	23.00	1.148	-0.01	0.764	0.877
	FR1 n5_Main	20M	BPSK	50	28	Edge 1	0mm	ON	167300	836.5	Auden	22.59	23.00	1.099	-0.12	0.872	0.958
	FR1 n5_Main	20M	BPSK	100	0	Edge 1	0mm	ON	167300	836.5	Auden	22.41	23.00	1.146	-0.07	0.831	0.952
	FR1 n5_Main	20M	BPSK	1	1	Edge 2	0mm	OFF	167300	836.5	Auden	23.42	24.00	1.143	0.15	0.138	0.158
	FR1 n5_Main	20M	BPSK	50	28	Edge 2	0mm	OFF	167300	836.5	Auden	23.52	24.00	1.117	0.17	0.147	0.164
	FR1 n5_Main	20M	BPSK	1	1	Bottom Face	11mm	OFF	167300	836.5	Auden	23.42	24.00	1.143	0.08	0.118	0.135
	FR1 n5_Main	20M	BPSK	50	28	Bottom Face	11mm	OFF	167300	836.5	Auden	23.52	24.00	1.117	0.01	0.135	0.151
	FR1 n5_Main	20M	BPSK	1	1	Edge 1	23mm	OFF	167300	836.5	Auden	23.42	24.00	1.143	0.09	0.078	0.089
	FR1 n5_Main	20M	BPSK	50	28	Edge 1	23mm	OFF	167300	836.5	Auden	23.52	24.00	1.117	-0.11	0.085	0.095
16	FR1 n5_Main	20M	BPSK	50	28	Edge 1	0mm	ON	167300	836.5	Speed	22.59	23.00	1.099	0.04	0.969	1.065
	FR1 n7_Main	20M	BPSK	1	1	Bottom Face	0mm	ON	507000	2535	Auden	17.67	18.00	1.079	-0.02	0.154	0.166
	FR1 n7_Main	20M	BPSK	50	28	Bottom Face	0mm	ON	507000	2535	Auden	17.72	18.00	1.067	-0.02	0.149	0.159
	FR1 n7_Main	20M	BPSK	1	1	Edge 1	0mm	ON	507000	2535	Auden	17.67	18.00	1.079	0.17	0.741	0.799
	FR1 n7_Main	20M	BPSK	1	1	Edge 1	0mm	ON	502000	2510	Auden	17.59	18.00	1.099	0.01	0.721	0.792
	FR1 n7_Main	20M	BPSK	1	1	Edge 1	0mm	ON	512000	2560	Auden	17.66	18.00	1.081	0.12	0.673	0.728
	FR1 n7_Main	20M	BPSK	50	28	Edge 1	0mm	ON	507000	2535	Auden	17.72	18.00	1.067	0.08	0.702	0.749
	FR1 n7_Main	20M	BPSK	1	1	Edge 2	0mm	OFF	507000	2535	Auden	23.60	24.00	1.096	0.18	0.061	0.067
	FR1 n7_Main	20M	BPSK	50	28	Edge 2	0mm	OFF	507000	2535	Auden	23.68	24.00	1.076	-0.17	0.051	0.055
	FR1 n7_Main	20M	BPSK	1	1	Bottom Face	11mm	OFF	507000	2535	Auden	23.60	24.00	1.096	-0.01	0.100	0.110
	FR1 n7_Main	20M	BPSK	50	28	Bottom Face	11mm	OFF	507000	2535	Auden	23.68	24.00	1.076	0.06	0.101	0.109
	FR1 n7_Main	20M	BPSK	1	1	Edge 1	23mm	OFF	507000	2535	Auden	23.60	24.00	1.096	0	0.178	0.195
	FR1 n7_Main	20M	BPSK	50	28	Edge 1	23mm	OFF	507000	2535	Auden	23.68	24.00	1.076	0.04	0.179	0.193
	FR1 n7_Main	20M	BPSK	1	1	Edge 1	0mm	ON	507000	2535	Speed	17.67	18.00	1.079	0.13	0.805	0.869
17	FR1 n7_Main	20M	BPSK	1	1	Edge 1	0mm	ON	512000	2560	Speed	17.66	18.00	1.081	-0.08	0.847	0.916
	FR1 n7_Main	20M	BPSK	1	1	Edge 1	0mm	ON	502000	2510	Speed	17.59	18.00	1.099	0.09	0.743	0.817



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n25_Main	20M	BPSK	1	1	Bottom Face	0mm	ON	376500	1882.5	Auden	18.75	19.00	1.059	-0.18	0.276	0.292
	FR1 n25_Main	20M	BPSK	50	28	Bottom Face	0mm	ON	376500	1882.5	Auden	18.80	19.00	1.047	0.07	0.309	0.324
	FR1 n25_Main	20M	BPSK	1	1	Edge 1	0mm	ON	376500	1882.5	Auden	18.75	19.00	1.059	0.05	0.743	0.787
	FR1 n25_Main	20M	BPSK	1	1	Edge 1	0mm	ON	372000	1860	Auden	18.21	19.00	1.199	0.12	0.731	0.877
	FR1 n25_Main	20M	BPSK	1	1	Edge 1	0mm	ON	381000	1905	Auden	18.73	19.00	1.064	0.08	0.906	0.964
	FR1 n25_Main	20M	BPSK	50	28	Edge 1	0mm	ON	376500	1882.5	Auden	18.80	19.00	1.047	-0.17	0.737	0.772
18	FR1 n25_Main	20M	BPSK	100	0	Edge 1	0mm	ON	381000	1905	Auden	18.57	19.00	1.104	0.07	0.985	1.088
	FR1 n25_Main	20M	BPSK	1	1	Edge 2	0mm	OFF	376500	1882.5	Auden	23.55	24.00	1.109	-0.15	0.109	0.121
	FR1 n25_Main	20M	BPSK	50	28	Edge 2	0mm	OFF	376500	1882.5	Auden	23.69	24.00	1.074	-0.06	0.160	0.172
	FR1 n25_Main	20M	BPSK	1	1	Bottom Face	11mm	OFF	376500	1882.5	Auden	23.55	24.00	1.109	-0.18	0.215	0.238
	FR1 n25_Main	20M	BPSK	50	28	Bottom Face	11mm	OFF	376500	1882.5	Auden	23.69	24.00	1.074	0.09	0.239	0.257
	FR1 n25_Main	20M	BPSK	1	1	Edge 1	23mm	OFF	376500	1882.5	Auden	23.55	24.00	1.109	0.11	0.173	0.192
	FR1 n25_Main	20M	BPSK	50	28	Edge 1	23mm	OFF	376500	1882.5	Auden	23.69	24.00	1.074	-0.02	0.187	0.201
	FR1 n25_Main	20M	BPSK	100	0	Edge 1	0mm	ON	376500	1882.5	Speed	18.59	19.00	1.099	-0.11	0.713	0.784
	FR1 n30_Main	10M	BPSK	1	1	Bottom Face	0mm	OFF	462000	2310	Auden	22.35	23.00	1.161	-0.15	0.429	0.498
	FR1 n30_Main	10M	BPSK	25	14	Bottom Face	0mm	OFF	462000	2310	Auden	22.38	23.00	1.153	0.18	0.377	0.435
	FR1 n30_Main	10M	BPSK	1	1	Edge 1	0mm	OFF	462000	2310	Auden	22.35	23.00	1.161	0.02	0.462	0.537
	FR1 n30_Main	10M	BPSK	25	14	Edge 1	0mm	OFF	462000	2310	Auden	22.38	23.00	1.153	-0.14	0.437	0.504
	FR1 n30_Main	10M	BPSK	1	1	Edge 2	0mm	OFF	462000	2310	Auden	22.35	23.00	1.161	0.02	0.001	0.001
	FR1 n30_Main	10M	BPSK	25	14	Edge 2	0mm	OFF	462000	2310	Auden	22.38	23.00	1.153	0.03	0.001	0.001
	FR1 n30_Main	10M	BPSK	1	1	Bottom Face	11mm	OFF	462000	2310	Auden	22.35	23.00	1.161	-0.13	0.093	0.108
	FR1 n30_Main	10M	BPSK	25	14	Bottom Face	11mm	OFF	462000	2310	Auden	22.38	23.00	1.153	-0.14	0.087	0.100
	FR1 n30_Main	10M	BPSK	1	1	Edge 1	23mm	OFF	462000	2310	Auden	22.35	23.00	1.161	-0.19	0.011	0.013
	FR1 n30_Main	10M	BPSK	25	14	Edge 1	23mm	OFF	462000	2310	Auden	22.38	23.00	1.153	-0.06	0.008	0.009
19	FR1 n30_Main	10M	BPSK	1	1	Edge 1	0mm	OFF	462000	2310	Speed	22.35	23.00	1.161	-0.05	0.680	0.790



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n41_Main	100M	BPSK	1	1	Bottom Face	0mm	ON	518598	2592.99	Auden	17.34	17.50	1.038	-0.11	0.133	0.138
	FR1 n41_Main	100M	BPSK	135	69	Bottom Face	0mm	ON	518598	2592.99	Auden	17.35	17.50	1.035	-0.04	0.138	0.143
	FR1 n41_Main	100M	BPSK	1	1	Edge 1	0mm	ON	518598	2592.99	Auden	17.34	17.50	1.038	0.1	0.822	0.853
	FR1 n41_Main	100M	BPSK	135	69	Edge 1	0mm	ON	518598	2592.99	Auden	17.35	17.50	1.035	-0.18	0.774	0.801
	FR1 n41_Main	100M	BPSK	270	0	Edge 1	0mm	ON	518598	2592.99	Auden	17.09	17.50	1.099	0.15	0.768	0.844
	FR1 n41_Main	100M	BPSK	1	1	Edge 2	0mm	OFF	518598	2592.99	Auden	23.28	24.00	1.180	0.12	0.038	0.045
	FR1 n41_Main	100M	BPSK	135	69	Edge 2	0mm	OFF	518598	2592.99	Auden	23.26	24.00	1.186	0.08	0.041	0.049
	FR1 n41_Main	100M	BPSK	1	1	Bottom Face	11mm	OFF	518598	2592.99	Auden	23.28	24.00	1.180	0.09	0.130	0.153
	FR1 n41_Main	100M	BPSK	135	69	Bottom Face	11mm	OFF	518598	2592.99	Auden	23.26	24.00	1.186	-0.09	0.108	0.128
	FR1 n41_Main	100M	BPSK	1	1	Edge 1	23mm	OFF	518598	2592.99	Auden	23.28	24.00	1.180	0.15	0.219	0.258
	FR1 n41_Main	100M	BPSK	135	69	Edge 1	23mm	OFF	518598	2592.99	Auden	23.26	24.00	1.186	0.16	0.168	0.199
	FR1 n41_Main	100M	BPSK	1	1	Edge 1	0mm	ON	518598	2592.99	Speed	17.34	17.50	1.038	-0.09	0.895	0.929
	FR1 n41_HPUE_Main	100M	BPSK	1	1	Edge 1	0mm	ON	518598	2592.99	Speed	20.23	20.50	1.064	-0.18	0.818	0.870
	FR1 n41_MIMO2	100M	BPSK	1	1	Bottom Face	0mm	OFF	518598	2592.99	Auden	23.10	24.00	1.230	-0.12	0.381	0.469
	FR1 n41_MIMO2	100M	BPSK	135	69	Bottom Face	0mm	OFF	518598	2592.99	Auden	22.45	24.00	1.429	-0.19	0.375	0.536
	FR1 n41_MIMO2	100M	BPSK	1	1	Edge 1	0mm	ON	518598	2592.99	Auden	20.59	21.00	1.099	-0.12	0.890	0.978
	FR1 n41_MIMO2	100M	BPSK	135	69	Edge 1	0mm	ON	518598	2592.99	Auden	20.72	21.00	1.067	-0.17	0.858	0.915
	FR1 n41_MIMO2	100M	BPSK	270	0	Edge 1	0mm	ON	518598	2592.99	Auden	20.65	21.00	1.084	0.01	0.943	1.022
	FR1 n41_MIMO2	100M	BPSK	1	1	Edge 4	0mm	ON	518598	2592.99	Auden	20.59	21.00	1.099	-0.13	0.221	0.243
	FR1 n41_MIMO2	100M	BPSK	135	69	Edge 4	0mm	ON	518598	2592.99	Auden	20.72	21.00	1.067	-0.14	0.242	0.258
	FR1 n41_MIMO2	100M	BPSK	1	1	Edge 1	19mm	OFF	518598	2592.99	Auden	23.10	24.00	1.230	-0.11	0.091	0.112
	FR1 n41_MIMO2	100M	BPSK	135	69	Edge 1	19mm	OFF	518598	2592.99	Auden	22.45	24.00	1.429	0.06	0.113	0.161
	FR1 n41_MIMO2	100M	BPSK	1	1	Edge 4	4mm	OFF	518598	2592.99	Auden	23.10	24.00	1.230	0.17	0.155	0.191
	FR1 n41_MIMO2	100M	BPSK	135	69	Edge 4	4mm	OFF	518598	2592.99	Auden	22.45	24.00	1.429	-0.01	0.171	0.244
	FR1 n41_MIMO2	100M	BPSK	270	0	Edge 1	0mm	ON	518598	2592.99	Speed	20.65	21.00	1.084	0.15	0.832	0.902
	FR1 n41_HPUE_MIMO2	100M	BPSK	270	0	Edge 1	0mm	ON	518598	2592.99	Speed	23.59	24.00	1.099	0.15	0.869	0.955
	FR1 n41_MIMO3	100M	BPSK	1	1	Bottom Face	0mm	OFF	518598	2592.99	Auden	16.12	17.00	1.225	0.08	0.063	0.077
	FR1 n41_MIMO3	100M	BPSK	135	69	Bottom Face	0mm	OFF	518598	2592.99	Auden	16.24	17.00	1.191	0.14	0.045	0.054
	FR1 n41_MIMO3	100M	BPSK	1	1	Edge 1	0mm	OFF	518598	2592.99	Auden	16.12	17.00	1.225	-0.09	0.195	0.239
	FR1 n41_MIMO3	100M	BPSK	135	69	Edge 1	0mm	OFF	518598	2592.99	Auden	16.24	17.00	1.191	0.12	0.119	0.142
	FR1 n41_MIMO3	100M	BPSK	1	1	Edge 2	0mm	OFF	518598	2592.99	Auden	16.12	17.00	1.225	0.17	0.296	0.362
	FR1 n41_MIMO3	100M	BPSK	135	69	Edge 2	0mm	OFF	518598	2592.99	Auden	16.24	17.00	1.191	0	0.258	0.307
	FR1 n41_MIMO3	100M	BPSK	1	1	Edge 2	0mm	OFF	518598	2592.99	Speed	16.12	17.00	1.225	-0.08	0.299	0.366
	FR1 n41_HPUE_MIMO3	100M	BPSK	1	1	Edge 2	0mm	OFF	518598	2592.99	Speed	19.11	20.00	1.227	0.17	0.271	0.333
	FR1 n41_Aux	100M	BPSK	1	1	Bottom Face	0mm	OFF	518598	2592.99	Auden	16.81	18.00	1.315	0.15	0.141	0.185
	FR1 n41_Aux	100M	BPSK	135	69	Bottom Face	0mm	OFF	518598	2592.99	Auden	17.04	18.00	1.247	-0.02	0.146	0.182
20	FR1 n41_Aux	100M	BPSK	1	1	Edge 1	0mm	OFF	518598	2592.99	Auden	16.81	18.00	1.315	0.15	0.967	1.272
	FR1 n41_Aux	100M	BPSK	135	69	Edge 1	0mm	OFF	518598	2592.99	Auden	17.04	18.00	1.247	-0.18	0.958	1.195
	FR1 n41_Aux	100M	BPSK	270	0	Edge 1	0mm	OFF	518598	2592.99	Auden	16.94	18.00	1.276	-0.08	0.900	1.149
	FR1 n41_Aux	100M	BPSK	1	1	Edge 4	0mm	OFF	518598	2592.99	Auden	16.81	18.00	1.315	0.08	0.001	0.001
	FR1 n41_Aux	100M	BPSK	135	69	Edge 4	0mm	OFF	518598	2592.99	Auden	17.04	18.00	1.247	-0.1	0.001	0.001
	FR1 n41_Aux	100M	BPSK	1	1	Edge 1	0mm	OFF	518598	2592.99	Speed	16.81	18.00	1.315	0.02	0.872	1.147
	FR1 n41_HPUE_Aux	100M	BPSK	1	1	Edge 1	0mm	OFF	518598	2592.99	Auden	19.79	21.00	1.321	0.08	0.914	1.208



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
21	FR1 n66_Main	40M	BPSK	1	1	Bottom Face	0mm	ON	349000	1745	Auden	18.72	20.00	1.343	0.13	0.279	0.375
	FR1 n66_Main	40M	BPSK	108	54	Bottom Face	0mm	ON	349000	1745	Auden	19.26	20.00	1.186	-0.12	0.335	0.397
	FR1 n66_Main	40M	BPSK	1	1	Edge 1	0mm	ON	349000	1745	Auden	18.72	20.00	1.343	-0.02	0.828	1.112
	FR1 n66_Main	40M	BPSK	108	54	Edge 1	0mm	ON	349000	1745	Auden	19.26	20.00	1.186	0.13	0.930	1.103
	FR1 n66_Main	40M	BPSK	216	0	Edge 1	0mm	ON	349000	1745	Auden	19.04	20.00	1.247	-0.08	0.814	1.015
	FR1 n66_Main	40M	BPSK	1	1	Edge 2	0mm	OFF	349000	1745	Auden	23.21	24.00	1.199	0.14	0.044	0.053
	FR1 n66_Main	40M	BPSK	108	54	Edge 2	0mm	OFF	349000	1745	Auden	23.34	24.00	1.164	0.04	0.053	0.062
	FR1 n66_Main	40M	BPSK	1	1	Bottom Face	11mm	OFF	349000	1745	Auden	23.21	24.00	1.199	-0.06	0.242	0.000
	FR1 n66_Main	40M	BPSK	108	54	Bottom Face	11mm	OFF	349000	1745	Auden	23.34	24.00	1.164	0.14	0.278	0.324
	FR1 n66_Main	40M	BPSK	1	1	Edge 1	23mm	OFF	349000	1745	Auden	23.21	24.00	1.199	0.15	0.218	0.261
	FR1 n66_Main	40M	BPSK	108	54	Edge 1	23mm	OFF	349000	1745	Auden	23.34	24.00	1.164	-0.14	0.241	0.281
	FR1 n66_Main	40M	BPSK	1	1	Edge 1	0mm	ON	349000	1745	Speed	18.72	20.00	1.343	0.18	0.781	1.049
	FR1 n66_MIMO2	40M	BPSK	1	1	Bottom Face	0mm	OFF	349000	1745	Auden	23.17	24.00	1.211	0.05	0.289	0.350
	FR1 n66_MIMO2	40M	BPSK	108	54	Bottom Face	0mm	OFF	349000	1745	Auden	23.26	24.00	1.186	0.14	0.301	0.357
	FR1 n66_MIMO2	40M	BPSK	1	1	Edge 1	0mm	ON	349000	1745	Auden	22.41	23.00	1.146	0.08	0.292	0.334
	FR1 n66_MIMO2	40M	BPSK	108	54	Edge 1	0mm	ON	349000	1745	Auden	22.52	23.00	1.117	0.06	0.303	0.338
	FR1 n66_MIMO2	40M	BPSK	1	1	Edge 4	0mm	ON	349000	1745	Auden	22.41	23.00	1.146	-0.17	0.772	0.884
22	FR1 n66_MIMO2	40M	BPSK	108	54	Edge 4	0mm	ON	349000	1745	Auden	22.52	23.00	1.117	0.09	0.816	0.911
	FR1 n66_MIMO2	40M	BPSK	216	0	Edge 4	0mm	ON	349000	1745	Auden	22.40	23.00	1.148	-0.11	0.796	0.914
	FR1 n66_MIMO2	40M	BPSK	1	1	Edge 1	19mm	OFF	349000	1745	Auden	23.17	24.00	1.211	-0.06	0.055	0.067
	FR1 n66_MIMO2	40M	BPSK	108	54	Edge 1	19mm	OFF	349000	1745	Auden	23.26	24.00	1.186	0.15	0.061	0.072
	FR1 n66_MIMO2	40M	BPSK	1	1	Edge 4	4mm	OFF	349000	1745	Auden	23.17	24.00	1.211	0.17	0.335	0.406
	FR1 n66_MIMO2	40M	BPSK	108	54	Edge 4	4mm	OFF	349000	1745	Auden	23.26	24.00	1.186	-0.16	0.350	0.415
	FR1 n66_MIMO2	40M	BPSK	216	0	Edge 4	0mm	ON	349000	1745	Speed	22.40	23.00	1.148	-0.19	0.847	0.972
	FR1 n71_Main	20M	BPSK	1	1	Bottom Face	0mm	ON	136100	680.5	Auden	22.35	22.50	1.035	-0.06	0.258	0.267
	FR1 n71_Main	20M	BPSK	50	28	Bottom Face	0mm	ON	136100	680.5	Auden	22.41	22.50	1.021	0.01	0.271	0.277
	FR1 n71_Main	20M	BPSK	1	1	Edge 1	0mm	ON	136100	680.5	Auden	22.35	22.50	1.035	-0.16	0.961	0.995
	FR1 n71_Main	20M	BPSK	50	28	Edge 1	0mm	ON	136100	680.5	Auden	22.41	22.50	1.021	0.1	1.030	1.052
	FR1 n71_Main	20M	BPSK	100	0	Edge 1	0mm	ON	136100	680.5	Auden	22.34	22.50	1.038	0.09	1.020	1.058
	FR1 n71_Main	20M	BPSK	1	1	Edge 2	0mm	OFF	136100	680.5	Auden	23.52	24.00	1.117	0	0.069	0.077
	FR1 n71_Main	20M	BPSK	50	28	Edge 2	0mm	OFF	136100	680.5	Auden	23.58	24.00	1.102	0.05	0.067	0.074
	FR1 n71_Main	20M	BPSK	1	1	Bottom Face	11mm	OFF	136100	680.5	Auden	23.52	24.00	1.117	-0.07	0.109	0.122
	FR1 n71_Main	20M	BPSK	50	28	Bottom Face	11mm	OFF	136100	680.5	Auden	23.58	24.00	1.102	0.18	0.118	0.130
	FR1 n71_Main	20M	BPSK	1	1	Edge 1	23mm	OFF	136100	680.5	Auden	23.52	24.00	1.117	0.07	0.073	0.082
	FR1 n71_Main	20M	BPSK	50	28	Edge 1	23mm	OFF	136100	680.5	Auden	23.58	24.00	1.102	0.02	0.072	0.079
	FR1 n71_Main	20M	BPSK	100	0	Edge 1	0mm	ON	136100	680.5	Speed	22.34	22.50	1.038	-0.16	1.090	1.131



FCC SAR TEST REPORT

Report No. : FA2N0217

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n77_Main	100M	BPSK	1	1	Bottom Face	0mm	ON	656000	3840	Auden	18.97	20.00	1.268	-0.03	0.360	0.456
	FR1 n77_Main	100M	BPSK	135	69	Bottom Face	0mm	ON	656000	3840	Auden	19.07	20.00	1.239	-0.19	0.341	0.422
	FR1 n77_Main	100M	BPSK	1	1	Edge 1	0mm	ON	656000	3840	Auden	18.97	20.00	1.268	0.09	0.901	1.142
	FR1 n77_Main	100M	BPSK	135	69	Edge 1	0mm	ON	656000	3840	Auden	19.07	20.00	1.239	-0.01	0.953	1.181
	FR1 n77_Main	100M	BPSK	270	0	Edge 1	0mm	ON	656000	3840	Auden	18.95	20.00	1.274	-0.06	0.909	1.158
	FR1 n77_Main	100M	BPSK	1	1	Edge 2	0mm	OFF	656000	3840	Auden	23.94	24.00	1.014	-0.06	0.253	0.257
	FR1 n77_Main	100M	BPSK	135	69	Edge 2	0mm	OFF	656000	3840	Auden	23.95	24.00	1.012	-0.05	0.132	0.134
	FR1 n77_Main	100M	BPSK	1	1	Bottom Face	11mm	OFF	656000	3840	Auden	23.94	24.00	1.014	-0.17	0.334	0.339
	FR1 n77_Main	100M	BPSK	135	69	Bottom Face	11mm	OFF	656000	3840	Auden	23.95	24.00	1.012	0.06	0.600	0.607
	FR1 n77_Main	100M	BPSK	1	1	Edge 1	23mm	OFF	656000	3840	Auden	23.94	24.00	1.014	0.1	0.126	0.128
	FR1 n77_Main	100M	BPSK	135	69	Edge 1	23mm	OFF	656000	3840	Auden	23.95	24.00	1.012	0.06	0.217	0.220
	FR1 n77_Main	100M	BPSK	135	69	Edge 1	0mm	ON	656000	3840	Speed	19.07	20.00	1.239	-0.01	0.754	0.934
	FR1 n77_HPUE_Main	100M	BPSK	135	69	Edge 1	0mm	ON	656000	3840	Auden	22.00	23.00	1.259	0.11	0.869	1.094
	FR1 n77_Main	100M	BPSK	1	1	Bottom Face	0mm	ON	633332	3499.98	Auden	19.73	20.00	1.064	0.12	0.377	0.401
	FR1 n77_Main	100M	BPSK	135	69	Bottom Face	0mm	ON	633332	3499.98	Auden	19.71	20.00	1.069	0.02	0.339	0.362
	FR1 n77_Main	100M	BPSK	1	1	Edge 1	0mm	ON	633332	3499.98	Auden	19.73	20.00	1.064	-0.09	0.954	1.015
	FR1 n77_Main	100M	BPSK	135	69	Edge 1	0mm	ON	633332	3499.98	Auden	19.71	20.00	1.069	0.03	1.070	1.144
	FR1 n77_Main	100M	BPSK	270	0	Edge 1	0mm	ON	633332	3499.98	Auden	19.57	20.00	1.104	0.16	0.945	1.043
	FR1 n77_Main	100M	BPSK	1	1	Edge 2	0mm	OFF	633332	3499.98	Auden	23.04	24.00	1.247	0.16	0.056	0.070
	FR1 n77_Main	100M	BPSK	135	69	Edge 2	0mm	OFF	633332	3499.98	Auden	22.67	24.00	1.358	0.19	0.049	0.067
	FR1 n77_Main	100M	BPSK	1	1	Bottom Face	11mm	OFF	633332	3499.98	Auden	23.04	24.00	1.247	0.11	0.254	0.317
	FR1 n77_Main	100M	BPSK	135	69	Bottom Face	11mm	OFF	633332	3499.98	Auden	22.67	24.00	1.358	0.12	0.235	0.319
	FR1 n77_Main	100M	BPSK	1	1	Edge 1	23mm	OFF	633332	3499.98	Auden	23.04	24.00	1.247	0.16	0.042	0.052
	FR1 n77_Main	100M	BPSK	135	69	Edge 1	23mm	OFF	633332	3499.98	Auden	22.67	24.00	1.358	0.14	0.039	0.053
	FR1 n77_Main	100M	BPSK	135	69	Edge 1	0mm	ON	633332	3499.98	Speed	19.71	20.00	1.069	0.15	0.472	0.505
	FR1 n77_HPUE_Main	100M	BPSK	135	69	Edge 1	0mm	ON	633332	3499.98	Auden	22.70	23.00	1.072	0.19	0.975	1.045
	FR1 n77_MIMO2	100M	BPSK	1	1	Bottom Face	0mm	OFF	656000	3840	Auden	23.43	24.00	1.140	0.06	0.587	0.669
	FR1 n77_MIMO2	100M	BPSK	135	69	Bottom Face	0mm	OFF	656000	3840	Auden	22.50	24.00	1.413	0.09	0.748	1.057
	FR1 n77_MIMO2	100M	BPSK	270	0	Bottom Face	0mm	OFF	656000	3840	Auden	22.72	23.50	1.197	0	0.697	0.834
	FR1 n77_MIMO2	100M	BPSK	1	1	Edge 1	0mm	ON	656000	3840	Auden	16.47	17.00	1.130	0.05	0.655	0.740
	FR1 n77_MIMO2	100M	BPSK	135	69	Edge 1	0mm	ON	656000	3840	Auden	16.52	17.00	1.117	-0.01	0.952	1.063
	FR1 n77_MIMO2	100M	BPSK	270	0	Edge 1	0mm	ON	656000	3840	Auden	16.40	17.00	1.148	0.14	0.760	0.873
	FR1 n77_MIMO2	100M	BPSK	1	1	Edge 4	0mm	ON	656000	3840	Auden	16.47	17.00	1.130	0.15	0.204	0.230
	FR1 n77_MIMO2	100M	BPSK	135	69	Edge 4	0mm	ON	656000	3840	Auden	16.52	17.00	1.117	0.09	0.258	0.288
	FR1 n77_MIMO2	100M	BPSK	1	1	Edge 1	19mm	OFF	656000	3840	Auden	23.43	24.00	1.140	-0.13	0.214	0.244
	FR1 n77_MIMO2	100M	BPSK	135	69	Edge 1	19mm	OFF	656000	3840	Auden	22.50	24.00	1.413	0.01	0.315	0.445
	FR1 n77_MIMO2	100M	BPSK	1	1	Edge 4	4mm	OFF	656000	3840	Auden	23.43	24.00	1.140	-0.1	0.285	0.325
	FR1 n77_MIMO2	100M	BPSK	135	69	Edge 4	4mm	OFF	656000	3840	Auden	22.50	24.00	1.413	0.02	0.424	0.599
	FR1 n77_MIMO2	100M	BPSK	135	69	Edge 1	0mm	ON	656000	3840	Speed	16.52	17.00	1.117	-0.19	0.625	0.698
	FR1 n77_HPUE_MIMO2	100M	BPSK	135	69	Edge 1	0mm	ON	656000	3840	Auden	19.50	20.00	1.122	0.14	0.859	0.964
	FR1 n77_MIMO2	100M	BPSK	1	1	Bottom Face	0mm	OFF	633332	3499.98	Auden	22.78	24.00	1.324	-0.18	0.518	0.686
	FR1 n77_MIMO2	100M	BPSK	135	69	Bottom Face	0mm	OFF	633332	3499.98	Auden	22.38	24.00	1.452	0.14	0.627	0.910
	FR1 n77_MIMO2	100M	BPSK	1	1	Edge 1	0mm	ON	633332	3499.98	Auden	16.61	17.00	1.094	-0.16	0.757	0.828
	FR1 n77_MIMO2	100M	BPSK	135	69	Edge 1	0mm	ON	633332	3499.98	Auden	16.63	17.00	1.089	0.11	0.938	1.021
	FR1 n77_MIMO2	100M	BPSK	270	0	Edge 1	0mm	ON	633332	3499.98	Auden	16.54	17.00	1.112	0.01	0.909	1.011
	FR1 n77_MIMO2	100M	BPSK	1	1	Edge 4	0mm	ON	633332	3499.98	Auden	16.61	17.00	1.094	0.06	0.265	0.290
	FR1 n77_MIMO2	100M	BPSK	135	69	Edge 4	0mm	ON	633332	3499.98	Auden	16.63	17.00	1.089	-0.05	0.270	0.294
	FR1 n77_MIMO2	100M	BPSK	1	1	Edge 1	19mm	OFF	633332	3499.98	Auden	22.78	24.00	1.324	0.04	0.089	0.118
	FR1 n77_MIMO2	100M	BPSK	135	69	Edge 1	19mm	OFF	633332	3499.98	Auden	22.38	24.00	1.452	-0.04	0.204	0.296
	FR1 n77_MIMO2	100M	BPSK	1	1	Edge 4	4mm	OFF	633332	3499.98	Auden	22.78	24.00	1.324	-0.07	0.386	0.511
	FR1 n77_MIMO2	100M	BPSK	135	69	Edge 4	4mm	OFF	633332	3499.98	Auden	22.38	24.00	1.452	0.12	0.417	0.606
	FR1 n77_MIMO2	100M	BPSK	135	69	Edge 1	0mm	ON	633332	3499.98	Speed	16.63	17.00	1.089	-0.16	0.693	0.755
	FR1 n77_HPUE_MIMO2	100M	BPSK	135	69	Edge 1	0mm	ON	633332	3499.98	Auden	19.63	20.00	1.089	-0.09	0.848	0.923



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n77_MIMO3	100M	BPSK	1	1	Bottom Face	0mm	OFF	656000	3840	Auden	11.34	11.50	1.038	-0.03	0.025	0.026
	FR1 n77_MIMO3	100M	BPSK	135	69	Bottom Face	0mm	OFF	656000	3840	Auden	11.31	11.50	1.045	0.05	0.025	0.026
	FR1 n77_MIMO3	100M	BPSK	1	1	Edge 1	0mm	OFF	656000	3840	Auden	11.34	11.50	1.038	0.12	0.138	0.143
	FR1 n77_MIMO3	100M	BPSK	135	69	Edge 1	0mm	OFF	656000	3840	Auden	11.31	11.50	1.045	0.04	0.165	0.172
	FR1 n77_MIMO3	100M	BPSK	1	1	Edge 2	0mm	OFF	656000	3840	Auden	11.34	11.50	1.038	-0.16	0.060	0.062
	FR1 n77_MIMO3	100M	BPSK	135	69	Edge 2	0mm	OFF	656000	3840	Auden	11.31	11.50	1.045	0.05	0.065	0.068
	FR1 n77_MIMO3	100M	BPSK	135	69	Edge 1	0mm	OFF	656000	3840	Speed	11.31	11.50	1.045	-0.04	0.119	0.124
	FR1 n77_HPUE_MIMO3	100M	BPSK	135	69	Edge 1	0mm	OFF	656000	3840	Auden	14.29	14.50	1.050	-0.06	0.151	0.158
	FR1 n77_MIMO3	100M	BPSK	1	1	Bottom Face	0mm	OFF	633332	3499.98	Auden	10.46	11.50	1.271	-0.06	0.001	0.001
	FR1 n77_MIMO3	100M	BPSK	135	69	Bottom Face	0mm	OFF	633332	3499.98	Auden	10.54	11.50	1.247	-0.13	0.001	0.001
	FR1 n77_MIMO3	100M	BPSK	1	1	Edge 1	0mm	OFF	633332	3499.98	Auden	10.46	11.50	1.271	-0.06	0.077	0.098
	FR1 n77_MIMO3	100M	BPSK	135	69	Edge 1	0mm	OFF	633332	3499.98	Auden	10.54	11.50	1.247	0	0.097	0.121
	FR1 n77_MIMO3	100M	BPSK	1	1	Edge 2	0mm	OFF	633332	3499.98	Auden	10.46	11.50	1.271	0.09	0.063	0.080
	FR1 n77_MIMO3	100M	BPSK	135	69	Edge 2	0mm	OFF	633332	3499.98	Auden	10.54	11.50	1.247	0.18	0.065	0.081
	FR1 n77_MIMO3	100M	BPSK	135	69	Edge 1	0mm	OFF	633332	3499.98	Speed	10.54	11.50	1.247	0.17	0.070	0.087
	FR1 n77_HPUE_MIMO3	100M	BPSK	135	69	Edge 1	0mm	OFF	633332	3499.98	Auden	13.51	14.50	1.256	0.07	0.108	0.136
	FR1 n77_Aux	100M	BPSK	1	1	Bottom Face	0mm	OFF	656000	3840	Auden	15.69	16.50	1.205	0.09	0.082	0.099
	FR1 n77_Aux	100M	BPSK	135	69	Bottom Face	0mm	OFF	656000	3840	Auden	15.75	16.50	1.189	0.1	0.092	0.109
	FR1 n77_Aux	100M	BPSK	1	1	Edge 1	0mm	OFF	656000	3840	Auden	15.69	16.50	1.205	0.08	0.970	1.169
23	FR1 n77_Aux	100M	BPSK	135	69	Edge 1	0mm	OFF	656000	3840	Auden	15.75	16.50	1.189	0.06	1.170	1.391
	FR1 n77_Aux	100M	BPSK	1	1	Edge 4	0mm	OFF	656000	3840	Auden	15.69	16.50	1.205	0.01	0.026	0.031
	FR1 n77_Aux	100M	BPSK	135	69	Edge 4	0mm	OFF	656000	3840	Auden	15.75	16.50	1.189	-0.04	0.034	0.040
	FR1 n77_Aux	100M	BPSK	135	69	Edge 1	0mm	OFF	656000	3840	Speed	15.75	16.50	1.189	-0.13	1.010	1.200
	FR1 n77_HPUE_Aux	100M	BPSK	135	69	Edge 1	0mm	OFF	656000	3840	Auden	18.75	19.50	1.189	-0.18	1.060	1.260
	FR1 n77_Aux	100M	BPSK	1	1	Bottom Face	0mm	OFF	633332	3499.98	Auden	15.64	16.50	1.219	0.19	0.107	0.130
	FR1 n77_Aux	100M	BPSK	135	69	Bottom Face	0mm	OFF	633332	3499.98	Auden	15.63	16.50	1.222	0.06	0.098	0.120
	FR1 n77_Aux	100M	BPSK	1	1	Edge 1	0mm	OFF	633332	3499.98	Auden	15.64	16.50	1.219	-0.19	0.310	0.378
	FR1 n77_Aux	100M	BPSK	135	69	Edge 1	0mm	OFF	633332	3499.98	Auden	15.63	16.50	1.222	-0.15	0.464	0.567
	FR1 n77_Aux	100M	BPSK	1	1	Edge 4	0mm	OFF	633332	3499.98	Auden	15.64	16.50	1.219	0.13	0.027	0.033
	FR1 n77_Aux	100M	BPSK	135	69	Edge 4	0mm	OFF	633332	3499.98	Auden	15.63	16.50	1.222	0.14	0.029	0.035
	FR1 n77_Aux	100M	BPSK	135	69	Edge 1	0mm	OFF	633332	3499.98	Speed	15.63	16.50	1.222	-0.18	0.480	0.586
	FR1 n77_HPUE_Aux	100M	BPSK	135	69	Edge 1	0mm	OFF	633332	3499.98	Auden	18.60	19.50	1.230	-0.18	0.448	0.551

15.2 Repeated SAR Measurement

No.	Band	Mode	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	WCDMA II_Main	RMC 12.2Kbps	Edge 1	0mm	ON	9538	1907.6	Auden	18.22	18.50	1.067			-0.07	1.080	-	1.152
2nd	WCDMA II_Main	RMC 12.2Kbps	Edge 1	0mm	ON	9538	1907.6	Auden	18.22	18.50	1.067			0.04	1.050	1.03	1.120
1st	LTE Band 7_Main	20M_QPSK_50_0	Edge 1	0mm	ON	21100	2535	Speed	17.19	18.00	1.205			-0.02	0.993	-	1.197
2nd	LTE Band 7_Main	20M_QPSK_50_0	Edge 1	0mm	ON	21100	2535	Speed	17.19	18.00	1.205			-0.06	0.982	1.01	1.183
1st	LTE Band 30_Main	10M_QPSK_1_0	Edge 1	0mm	OFF	27710	2310	Speed	22.18	23.00	1.208			-0.14	0.857	-	1.035
2nd	LTE Band 30_Main	10M_QPSK_1_0	Edge 1	0mm	OFF	27710	2310	Speed	22.18	23.00	1.208			0.02	0.823	1.04	0.994
1st	LTE Band 66_Main	20M_QPSK_100_0	Edge 1	0mm	ON	132572	1770	Auden	19.01	19.50	1.119			0.03	1.070	-	1.198
2nd	LTE Band 66_Main	20M_QPSK_100_0	Edge 1	0mm	ON	132572	1770	Auden	19.01	19.50	1.119			0.07	1.010	1.06	1.131
1st	LTE Band 48_MIMO2	20M_QPSK_50_0	Edge 1	0mm	ON	56640	3690	Speed	17.79	19.00	1.321	62.9	1.006	-0.16	0.966	-	1.284
2nd	LTE Band 48_MIMO2	20M_QPSK_50_0	Edge 1	0mm	ON	56640	3690	Speed	17.79	19.00	1.321	62.9	1.006	0.02	0.940	1.03	1.249
1st	FR1 n5_Main	20M_BPSK_50_28	Edge 1	0mm	ON	167300	836.5	Speed	22.59	23.00	1.099			0.04	0.969	-	1.065
2nd	FR1 n5_Main	20M_BPSK_50_28	Edge 1	0mm	ON	167300	836.5	Speed	22.59	23.00	1.099			-0.01	0.952	1.02	1.046
1st	FR1 n71_Main	20M_BPSK_100_0	Edge 1	0mm	ON	136100	680.5	Speed	22.34	22.50	1.038			-0.16	1.090	-	1.131
2nd	FR1 n71_Main	20M_BPSK_100_0	Edge 1	0mm	ON	136100	680.5	Speed	22.34	22.50	1.038			0.01	1.030	1.06	1.069
1st	FR1 n77_Main	100M_BPSK_135_69	Edge 1	0mm	ON	633332	3499.98	Auden	19.71	20.00	1.069			0.03	1.070	-	1.144
2nd	FR1 n77_Main	100M_BPSK_135_69	Edge 1	0mm	ON	633332	3499.98	Auden	19.71	20.00	1.069			0	1.000	1.07	1.069
1st	FR1 n77_Aux	100M_BPSK_135_69	Edge 1	0mm	OFF	656000	3840	Auden	15.75	16.50	1.189			0.06	1.170	-	1.391
2nd	FR1 n77_Aux	100M_BPSK_135_69	Edge 1	0mm	OFF	656000	3840	Auden	15.75	16.50	1.189			0.01	1.010	1.16	1.200

General Note:

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

15.3 FR1 n41/n77 Power Class 2 and Power Class 3 Linearity

This device support Power Class 2 and Power Class 3 operations for FR1 n41/n77. The highest available duty cycle for Power Class 2 operation is 50% using UL-DL configuration 1. Per FCC Guidance based on the device behavior, all SAR tests were performed using Power Class 3. Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each FR1 configuration and exposure condition combination, according to the highest time averaged power for all applicable uplink-downlink configurations in Power Class 2. When the reported SAR vs. output power is linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg, Separate SAR testing for Power Class 2 is not required.

Use PC3 power level and SAR to estimated PC2 SAR linearly, and check if the deviation from the measured PC2 SAR is <10%

<Main>

	FR1 n41_Main Ant (Power Class 3)	FR1 n41_Main Ant (Power Class 2)
Maximum Tune up Power (dBm)	17.5	20.5
Reported 1g SAR (W/kg)	0.929	0.87
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	56.23	56.10
Linearity SAR(W/kg)	0.93	
% deviation from expected linearity		-6.13%

	FR1 n77_Main Ant (Power Class 3)	FR1 n77_Main Ant (Power Class 2)
Maximum Tune up Power (dBm)	20	23
Reported 1g SAR (W/kg)	1.181	1.094
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	100.00	99.76
Linearity SAR(W/kg)	1.18	
% deviation from expected linearity		-7.15%

<MIMO 2>

	FR1 n41_MIMO2 Ant (Power Class 3)	FR1 n41_MIMO2 Ant (Power Class 2)
Maximum Tune up Power (dBm)	21	24
Reported 1g SAR (W/kg)	1.022	0.955
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	125.89	125.59
Linearity SAR(W/kg)	1.02	
% deviation from expected linearity		-6.33%

	FR1 n77_MIMO2 Ant (Power Class 3)	FR1 n77_MIMO2 Ant (Power Class 2)
Maximum Tune up Power (dBm)	17	20
Reported 1g SAR (W/kg)	1.063	0.964
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	50.12	50.00
Linearity SAR(W/kg)	1.06	
% deviation from expected linearity		-9.10%

<MIMO 3>

	FR1 n41_MIMO3 Ant (Power Class 3)	FR1 n41_MIMO3 Ant (Power Class 2)
Maximum Tune up Power (dBm)	17	20
Reported 1g SAR (W/kg)	0.366	0.333
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	50.12	50.00
Linearity SAR(W/kg)	0.37	
% deviation from expected linearity		-8.80%

	FR1 n77_MIMO3 Ant (Power Class 3)	FR1 n77_MIMO3 Ant (Power Class 2)
Maximum Tune up Power (dBm)	11.5	14.5
Reported 1g SAR (W/kg)	0.172	0.158
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	14.13	14.09
Linearity SAR(W/kg)	0.17	
% deviation from expected linearity		-7.92%

<Aux>

	FR1 n41_Aux Ant (Power Class 3)	FR1 n41_Aux Ant (Power Class 2)
Maximum Tune up Power (dBm)	18	21
Reported 1g SAR (W/kg)	1.272	1.208
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	63.10	62.95
Linearity SAR(W/kg)	1.27	
% deviation from expected linearity		-4.81%

	FR1 n77_Aux Ant (Power Class 3)	FR1 n77_Aux Ant (Power Class 2)
Maximum Tune up Power (dBm)	16.5	19.5
Reported 1g SAR (W/kg)	1.391	1.26
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	44.67	44.56
Linearity SAR(W/kg)	1.39	
% deviation from expected linearity		-9.20%

16. Simultaneous Transmission Analysis

WWAN + WLAN <Intel AX211NGW>		
NO.	Simultaneous Transmission Configurations	Body
1.	WWAN Main + WWAN MIMO 2 + 2.4GHz WLAN Ant 1 + Bluetooth Ant 2	Yes
2.	WWAN Main + WWAN MIMO 2 + 2.4GHz WLAN Ant 1 + 2.4GHz WLAN Ant 2	Yes
3.	WWAN Main + WWAN MIMO 2 + WLAN5/6GHz Ant 1 + WLAN5/6GHz Ant 2 + Bluetooth Ant 2	Yes
4.	WWAN MIMO 3 + 2.4GHz WLAN Ant 1 + 2.4GHz WLAN Ant 2	Yes
5.	WWAN MIMO 3 + 2.4GHz WLAN Ant 1 + Bluetooth Ant 2	Yes
6.	WWAN MIMO 3 + WLAN5/6GHz Ant 1 + WLAN5/6GHz Ant 2 + Bluetooth Ant 2	Yes
7.	WWAN Aux + 2.4GHz WLAN Ant 1 + 2.4GHz WLAN Ant 2	Yes
8.	WWAN Aux + 2.4GHz WLAN Ant 1 + Bluetooth Ant 2	Yes
9.	WWAN Aux + WLAN5/6GHz Ant 1 + WLAN5/6GHz Ant 2 + Bluetooth Ant 2	Yes

WWAN + WLAN <REALTEK RTL8852BE>		
NO.	Simultaneous Transmission Configurations	Body
1.	WWAN Main + WWAN MIMO 2 + WLAN2.4GHz Ant 1 + WLAN2.4GHz Ant 2	Yes
2.	WWAN Main + WWAN MIMO 2 + WLAN5GHz Ant 1 + WLAN5GHz Ant 2 + Bluetooth Ant 2	Yes
3.	WWAN MIMO 3 + WLAN2.4GHz Ant 1 + WLAN2.4GHz Ant 2	Yes
4.	WWAN MIMO 3 + WLAN5GHz Ant 1 + WLAN5GHz Ant 2 + Bluetooth Ant 2	Yes
5.	WWAN Aux + WLAN2.4GHz Ant 1 + WLAN2.4GHz Ant 2	Yes
6.	WWAN Aux + WLAN5GHz Ant 1 + WLAN5GHz Ant 2 + Bluetooth Ant 2	Yes

General Note:

- The Intel AX211NGW WLAN/BT module is integrated into this host. The WLAN 2.4GHz, 5GHz and Bluetooth SAR results are referenced from Intel SAR report, report number: 221026-01.TR02 (FCC ID: PD9AX211NG), WLAN 5.9GHz SAR referred to report No.: 221026-01.TR05 (FCC ID: PD9AX211NG), WLAN 6GHz SAR referred to new report No.: 221026-01.TR03 (FCC ID: PD9AX211NG) and these SAR results are also used to perform simultaneous transmission analysis.
- The REALTEK RTL8852BE WLAN/Bluetooth module is also integrated into this host, WLAN/Bluetooth SAR testing data, which can be referred to Sporton SAR Test Report, Report No.: FA2N0214 (FCC ID: E2K-RTL8852BE) and the result is used to do simultaneous transmission analysis.
- The Scaled SAR summation is calculated based on the same configuration and test position.
- Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - Scalar SAR summation $< 1.6\text{W/kg}$.
 - $\text{SPLSR} = (\text{SAR}_1 + \text{SAR}_2)^{1.5} / (\text{min. separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x_1-x_2)^2 + (y_1-y_2)^2 + (z_1-z_2)^2]$, where (x_1, y_1, z_1) and (x_2, y_2, z_2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - If $\text{SPLSR} \leq 0.04$, simultaneously transmission SAR measurement is not necessary.
 - Simultaneously transmission SAR measurement, and the reported multi-band SAR $< 1.6\text{W/kg}$.
 - The SPLSR calculated results please refer to section 16.2.

**16.1 Body Exposure Conditions****WWAN Main + WWAN MIMO2 + WLAN <Intel AX211NGW> + Bluetooth**

Exposure Position	0	1	2	3	4	5	6	0+1+2+3 Summed 1g SAR (W/kg)	0+1+4+5+6 Summed 1g SAR (W/kg)	0+1+2+6 Summed 1g SAR (W/kg)	SPLSR	Case No
	Maximum WWAN Main 1g SAR (W/kg)	Maximum WWAN Mimo2 1g SAR (W/kg)	WLAN2.4GHz Ant 1 1g SAR (W/kg)	WLAN2.4GHz Ant 2 1g SAR (W/kg)	WLAN5/6GHz Ant 1 1g SAR (W/kg)	WLAN5/6GHz Ant 2 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)					
Bottom Face at 0mm	0.562	1.057	0.050	0.030	0.070	1.140	0.010	1.699	2.839	1.679	0.030	Case 10
Edge 1 at 0mm	1.317	1.284						2.601	2.601	2.601	0.020	Case 9
Edge 2 at 0mm	0.257		0.400	0.010	0.400	0.740	0.010	0.667	1.407	0.667		
Edge 3 at 0mm			0.350	0.400	1.010	0.400	0.400	0.750	1.810	0.750	0.030	refer to Intel report section B.5.3
Edge 4 at 0mm		1.045						1.045	1.045	1.045		
Bottom of Laptop at 0mm			0.440	0.010	1.130	0.420	0.010	0.450	1.560	0.450		

WWAN MIMO3 / WWAN Aux + WLAN <Intel AX211NGW> + Bluetooth

Exposure Position	0	2	3	4	5	6	0+2+3 Summed 1g SAR (W/kg)	0+4+5+6 Summed 1g SAR (W/kg)	0+2+6 Summed 1g SAR (W/kg)	SPLSR	Case No
	Maximum WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 1 1g SAR (W/kg)	WLAN2.4GHz Ant 2 1g SAR (W/kg)	WLAN5/6GHz Ant 1 1g SAR (W/kg)	WLAN5/6GHz Ant 2 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)					
Bottom Face at 0mm	0.077	0.050	0.030	0.070	1.140	0.010	0.157	1.297	0.137		
Edge 1 at 0mm	0.239						0.239	0.239	0.239		
Edge 2 at 0mm	0.366	0.400	0.010	0.400	0.740	0.010	0.776	1.516	0.776		
Edge 3 at 0mm		0.350	0.400	1.010	0.400	0.400	0.750	1.810	0.750	0.030	refer to Intel report section B.5.3
Edge 4 at 0mm							0.000	0.000	0.000		
Bottom of Laptop at 0mm		0.440	0.010	1.130	0.420	0.010	0.450	1.560	0.450		
Bottom Face at 0mm	0.185	0.050	0.030	0.070	1.140	0.010	0.265	1.405	0.245		
Edge 1 at 0mm	1.391						1.391	1.391	1.391		
Edge 2 at 0mm		0.400	0.010	0.400	0.740	0.010	0.410	1.150	0.410		
Edge 3 at 0mm		0.350	0.400	1.010	0.400	0.400	0.750	1.810	0.750	0.03	refer to Intel report section B.5.3
Edge 4 at 0mm	0.040						0.040	0.040	0.040		
Bottom of Laptop at 0mm		0.440	0.010	1.130	0.420	0.010	0.450	1.560	0.450		

WWAN Main + WWAN MIMO2 + WLAN <REALTEK RTL8852BE> + Bluetooth

Exposure Position	0	1	2	3	4	5	6	0+1+2+3 Summed 1g SAR (W/kg)	0+1+4+5+6 Summed 1g SAR (W/kg)	SPLSR	Case No
	Maximum WWAN Main 1g SAR (W/kg)	Maximum WWAN MIMO2 1g SAR (W/kg)	WLAN2.4GHz Ant 1 1g SAR (W/kg)	WLAN2.4GHz Ant 2 1g SAR (W/kg)	WLAN5GHz Ant 1 1g SAR (W/kg)	WLAN5GHz Ant 2 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)				
Bottom Face at 0mm	0.562	1.057	0.046	1.082	0.125	1.193	0.376	2.747	3.313	0.04	Case 3
Edge 1 at 0mm	1.317	1.284						2.601	2.601	0.02	Case 1
Edge 2 at 0mm	0.257			0.402		0.723	0.189	0.659	1.169		
Edge 3 at 0mm			0.476		1.150			0.476	1.150		
Edge 4 at 0mm		1.045						1.045	1.045		
Bottom of Laptop at 0mm			0.197	0.251	0.851	1.092	0.064	0.448	2.007	0.02	Case 2

WWAN MIMO3 / WWAN Aux + WLAN <REALTEK RTL8852BE> + Bluetooth

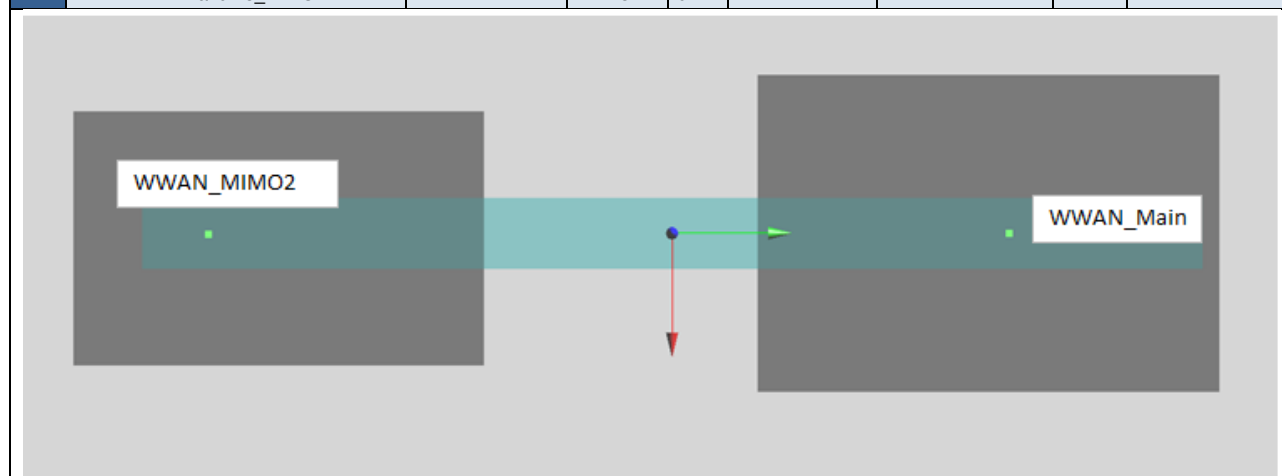
WWAN Band	Exposure Position	0	2	3	4	5	6	0+2+3 Summed 1g SAR (W/kg)	0+4+5+6 Summed 1g SAR (W/kg)	SPLSR	Case No
		Maximum WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 1 1g SAR (W/kg)	WLAN2.4GHz Ant 2 1g SAR (W/kg)	WLAN5GHz Ant 1 1g SAR (W/kg)	WLAN5GHz Ant 2 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)				
Maximum WWAN MIMO3 Ant	Bottom Face at 0mm	0.077	0.046	1.082	0.125	1.193	0.376	1.205	1.771	0.040	Case 4
	Edge 1 at 0mm	0.239						0.239	0.239		
	Edge 2 at 0mm	0.366		0.402		0.723	0.189	0.768	1.278		
	Edge 3 at 0mm		0.476		1.150			0.476	1.150		
	Edge 4 at 0mm							0.000	0.000		
	Bottom of Laptop at 0mm		0.197	0.251	0.851	1.092	0.064	0.448	2.007	0.02	Case 2
Maximum WWAN Aux Ant	Bottom Face at 0mm	0.185	0.046	1.082	0.125	1.193	0.376	1.313	1.879	0.01	Case 5
	Edge 1 at 0mm	1.391						1.391	1.391		
	Edge 2 at 0mm			0.402		0.723	0.189	0.402	0.912		
	Edge 3 at 0mm		0.476		1.150			0.476	1.150		
	Edge 4 at 0mm	0.040						0.040	0.040		
	Bottom of Laptop at 0mm		0.197	0.251	0.851	1.092	0.064	0.448	2.007	0.02	Case 2

16.2 SPLSR Evaluation and Analysis

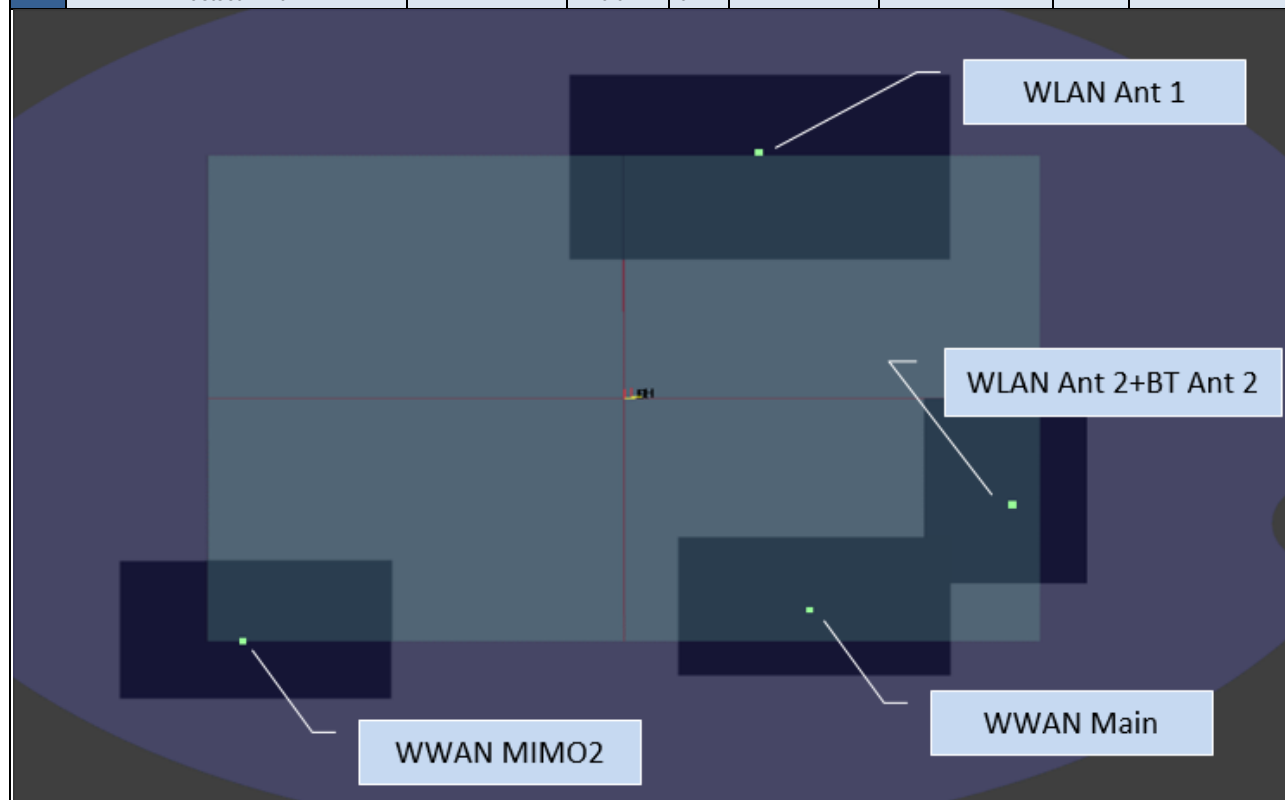
General Note:

1. According to antenna location, the minimum distance between each transmit antenna is using for SPLSR analysis.
2. Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneously transmitting antenna. When the sum of 1-g or 10-g SAR of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit, SAR test exclusion applies to that simultaneous transmission configuration. Therefore, the adjacent transmit antennas will be summed first, and then the SPLSR calculation will be evaluated with the farther transmitted antennas.
3. $SPLSR = (SAR_1 + SAR_2)^{1.5} / (min. \text{ separation distance, mm})$. If $SPLSR \leq 0.04$, simultaneously transmission SAR measurement is not necessary

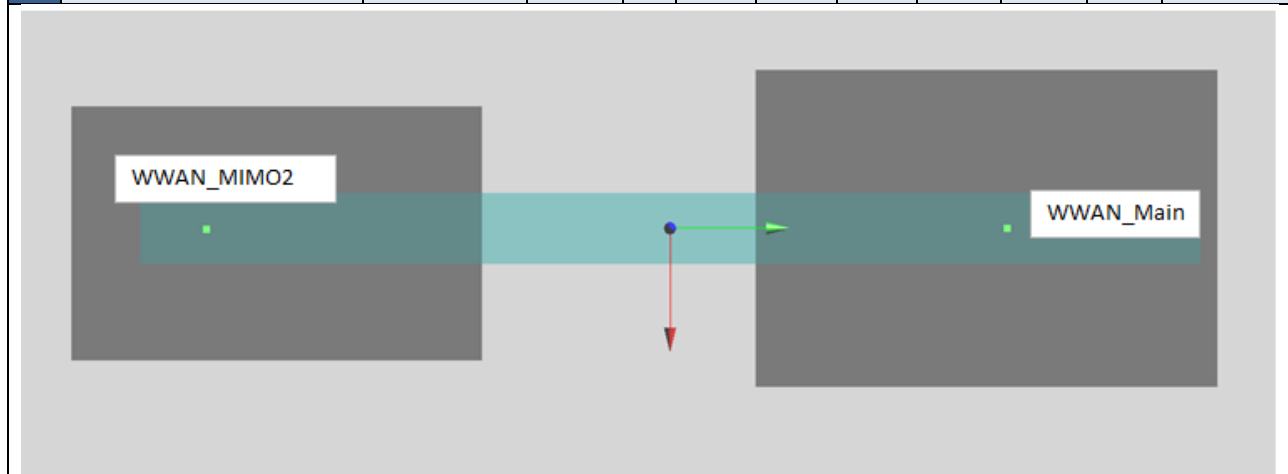
Case	Band	Position	SAR (W/kg)	Gap (mm)	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
9	LTE Band 25_Main	Edge 1	1.317	0mm	188.0	2.60	0.02	Not required
	LTE Band 48_MIMO2		1.284	0mm				



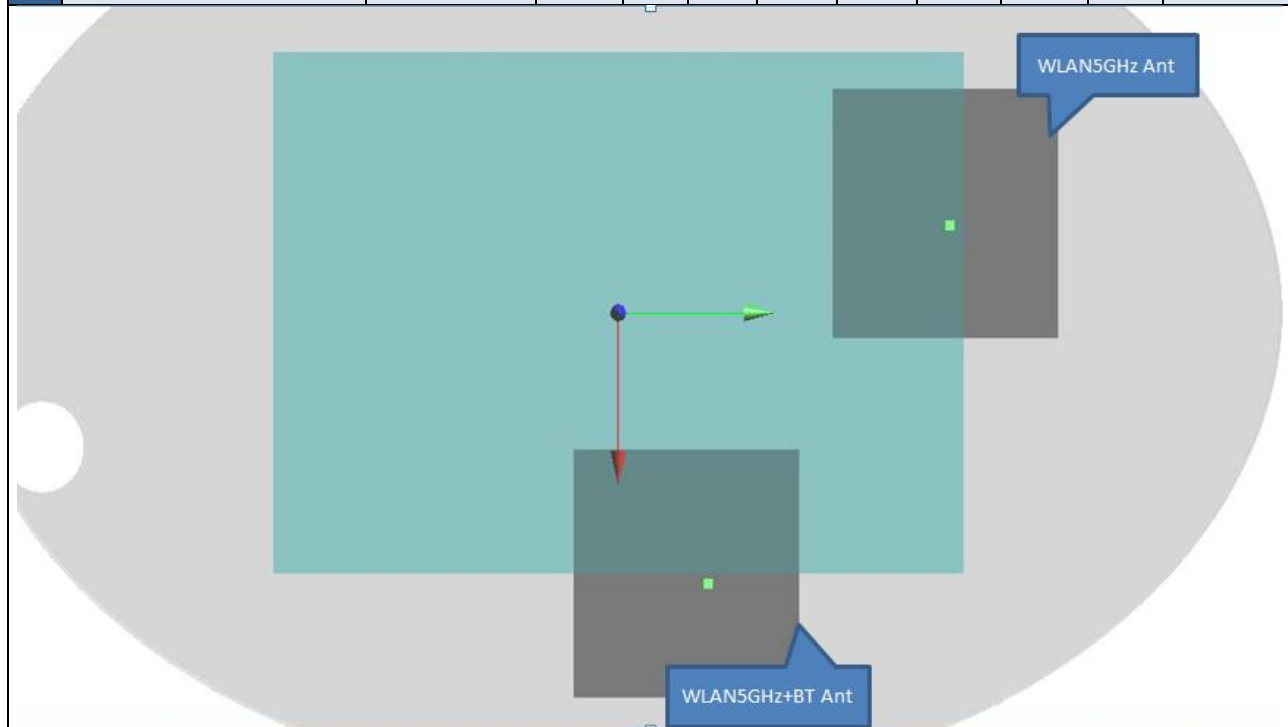
	Band	Position	SAR (W/kg)	Gap	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)				
Case 10	LTE B30_Mian	Bottom Face	0.562	0mm	188.0	1.62	0.01	Not required
	n77_MIMO2		1.057	0mm				
	LTE B30_Mian	Bottom Face	0.562	0mm	174.0	0.63	0.00	Not required
	WLAN5GHz Ant 1		0.07	0mm				
	LTE B30_Mian	Bottom Face	0.562	0mm	85.0	1.71	0.03	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.15	0mm				
	n77_MIMO2	Bottom Face	1.057	0mm	235.0	1.13	0.01	Not required
	WLAN5GHz Ant 1		0.07	0mm				
	n77_MIMO2	Bottom Face	1.057	0mm	275.0	2.21	0.01	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.15	0mm				
	WLAN5GHz Ant 1	Bottom Face	0.07	0mm	165.0	1.22	0.01	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.15	0mm				
	LTE B30_Mian	Bottom Face	0.562	0mm	174.0	0.61	0.00	Not required
	WLAN2.4GHz_Ant 1		0.05	0mm				
	LTE B30_Mian	Bottom Face	0.562	0mm	85.0	0.59	0.01	Not required
	WLAN2.4GHz_Ant 2		0.03	0mm				
	n77_MIMO2	Bottom Face	1.057	0mm	235.0	1.11	0.00	Not required
	WLAN2.4GHz_Ant 1		0.05	0mm				
	n77_MIMO2	Bottom Face	1.057	0mm	275.0	1.09	0.00	Not required
	WLAN2.4GHz_Ant 2		0.03	0mm				
	WLAN2.4GHz_Ant 1	Bottom Face	0.05	0mm	165.0	0.08	0.00	Not required
	WLAN2.4GHz_Ant 2		0.03	0mm				
	LTE B30_Mian	Bottom Face	0.562	0mm	85.0	0.57	0.01	Not required
	Bluetooth Ant 2		0.01	0mm				
	n77_MIMO2	Bottom Face	1.057	0mm	275.0	1.07	0.00	Not required
	Bluetooth Ant 2		0.01	0mm				



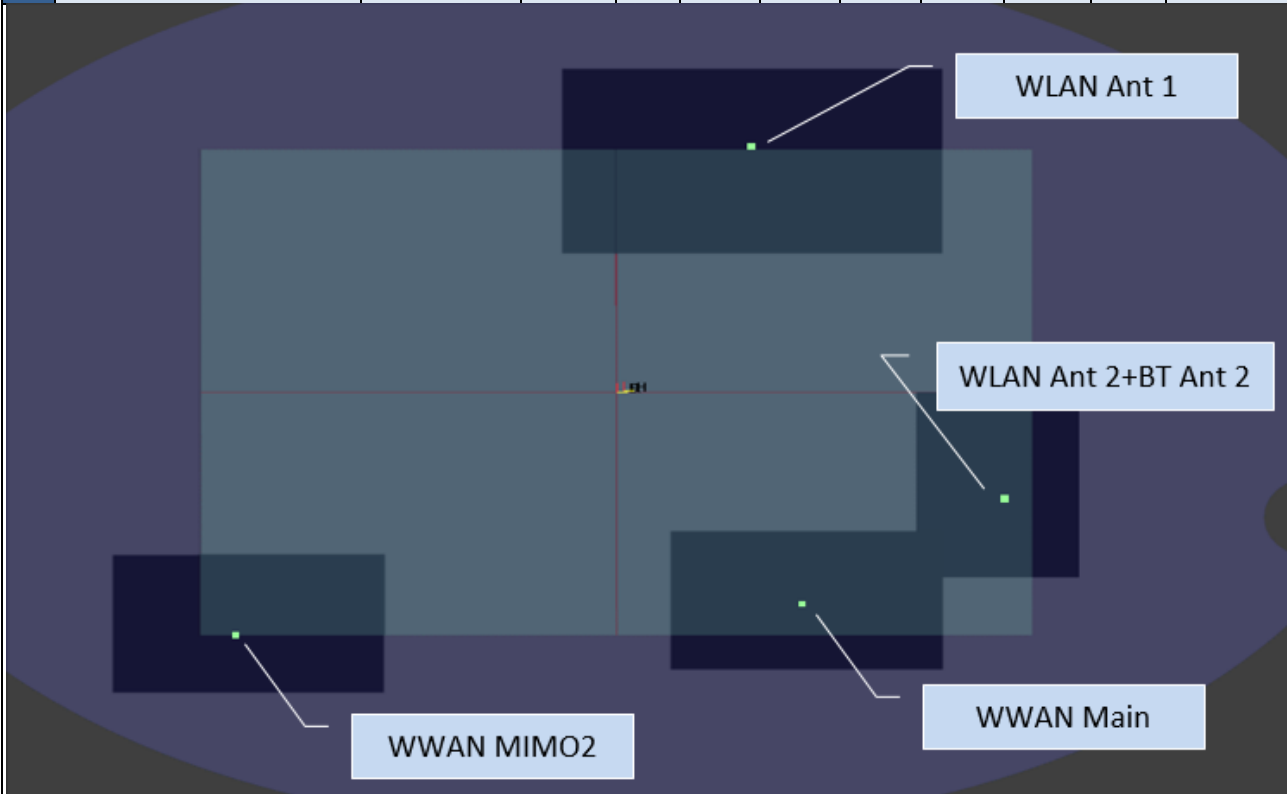
Case 1	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 25_Main	Edge 1	1.317	0	X	Y	Z	231.9	2.60	0.02	Not required
	LTE Band 48_MIMO2		1.284	0	1.6	98.5	-0.82				



Case 2	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WLAN5GHz Ant 1	Bottom of Laptop	0.851	0mm	X	Y	Z	179.9	2.01	0.02	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.156	0mm	-32.6	147.8	0.15				

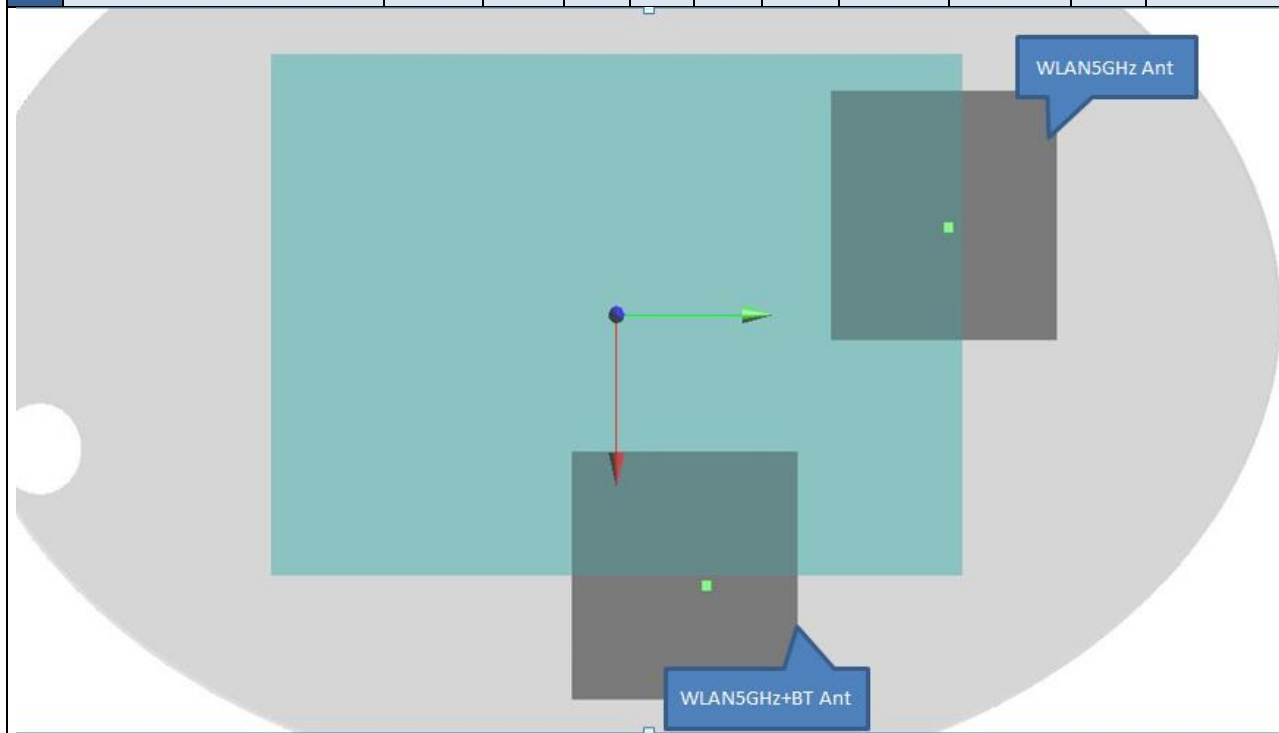


	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 3	LTE B30_Mian	Bottom Face	0.562	0mm	83	72.5	-179.7	217.1	1.62	0.01	Not required
	n77_MIMO2		1.057	0mm	105	-143.5	-179.4				
	LTE B30_Mian	Bottom Face	0.562	0mm	83	72.5	-179.7	189.7	0.69	0.00	Not required
	WLAN5GHz Ant 1		0.125	0mm	-104.6	44.4	-177				
	LTE B30_Mian	Bottom Face	0.562	0mm	83	72.5	-179.7	71.9	2.13	0.04	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.569	0mm	43.4	132.5	-177				
	n77_MIMO2	Bottom Face	1.057	0mm	105	-143.5	-179.4	281.5	1.18	0.00	Not required
	WLAN5GHz Ant 1		0.125	0mm	-104.6	44.4	-177				
	n77_MIMO2	Bottom Face	1.057	0mm	105	-143.5	-179.4	282.8	2.63	0.02	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.569	0mm	43.4	132.5	-177				
	WLAN5GHz Ant 1	Bottom Face	0.125	0mm	-104.6	44.4	-177	172.2	1.69	0.01	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.569	0mm	43.4	132.5	-177				
	LTE B30_Mian	Bottom Face	0.562	0mm	83	72.5	-179.7	195.3	0.61	0.00	Not required
	WLAN2.4GHz_Ant 1		0.046	0mm	-105	125.5	-177				
	LTE B30_Mian	Bottom Face	0.562	0mm	83	72.5	-179.7	71.3	1.64	0.03	Not required
	WLAN2.4GHz_Ant 2		1.082	0mm	50.7	136	-177				
	n77_MIMO2	Bottom Face	1.057	0mm	105	-143.5	-179.4	341.3	1.10	0.00	Not required
	WLAN2.4GHz_Ant 1		0.046	0mm	-105	125.5	-177				
	n77_MIMO2	Bottom Face	1.057	0mm	105	-143.5	-179.4	284.7	2.14	0.01	Not required
	WLAN2.4GHz_Ant 2		1.082	0mm	50.7	136	-177				
	WLAN2.4GHz_Ant 1	Bottom Face	0.046	0mm	-105	125.5	-177	156.1	1.13	0.01	Not required
	WLAN2.4GHz_Ant 2		1.082	0mm	50.7	136	-177				

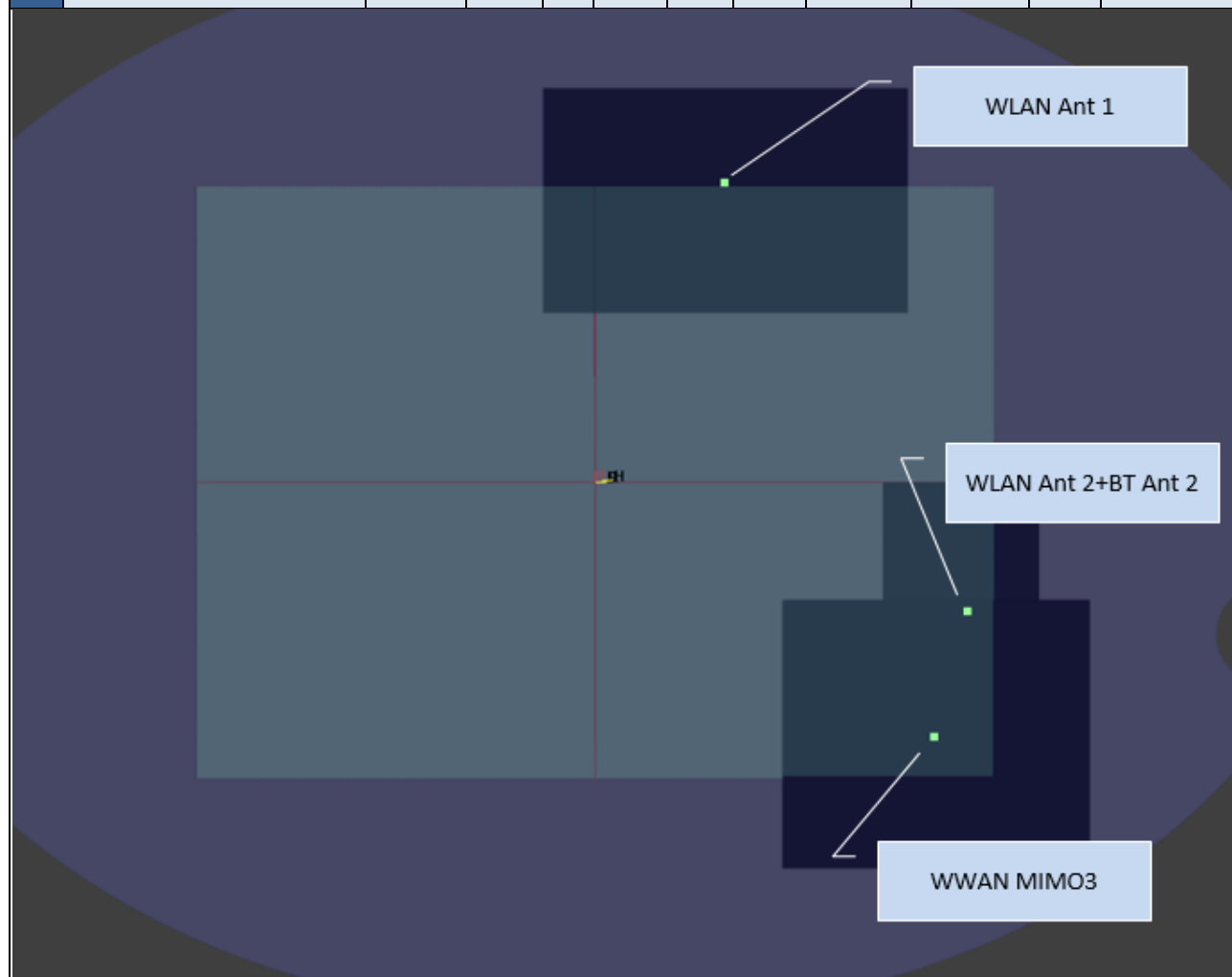


The diagram illustrates the internal layout of the device with four antenna locations marked by green dots and labeled with callouts: WLAN Ant 1 (top center), WLAN Ant 2+BT Ant 2 (middle right), WWAN MIMO2 (bottom left), and WWAN Main (bottom right). The device is shown in a dark blue/grey color with a lighter blue/grey internal structure.

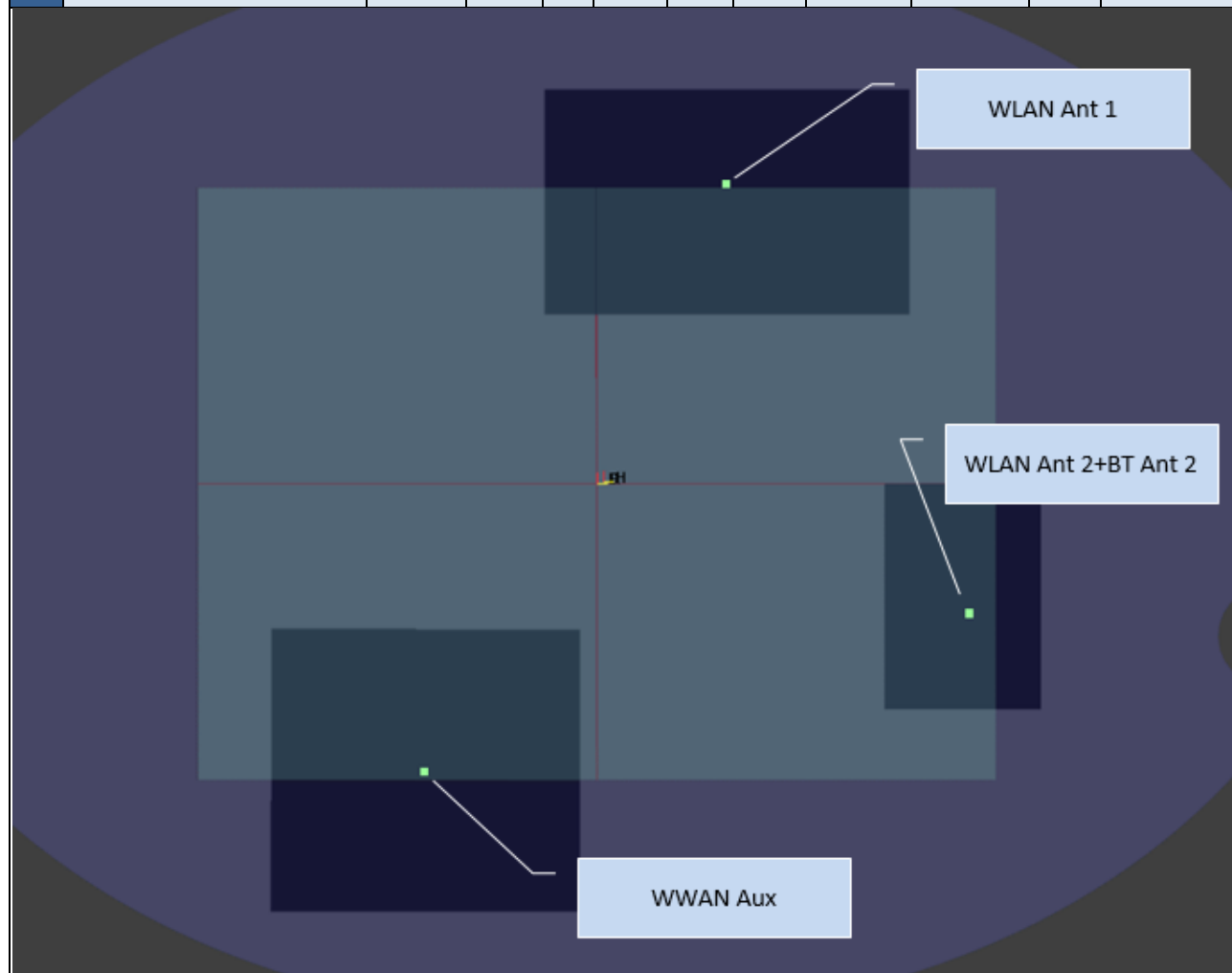
Case 2	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WLAN5GHz Ant 1	Bottom of Laptop	0.851	0mm	111.4	40	2.19	179.9	2.01	0.02	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.156	0mm	-32.6	147.8	0.15				



	Band	Position	SAR (W/kg)	Gap	SAR peak location (cm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
Case 4	FR1 n41_MIMO3	Bottom Face	0.077	0mm	95.1	127.4	-177	216.3	0.20	0.00	Not required
	WLAN5GHz Ant 1		0.125	0mm	-104.6	44.4	-177				
	FR1 n41_MIMO3	Bottom Face	0.077	0mm	95.1	127.4	-177	52.0	1.65	0.04	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.569	0mm	43.4	132.5	-177				
	WLAN5GHz Ant 1	Bottom Face	0.125	0mm	-104.6	44.4	-177	172.2	1.69	0.01	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.569	0mm	43.4	132.5	-177				



	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 5	FR1 n41_Aux	Bottom Face	0.185	0mm	104	-64.2	-173.8	235.2	0.31	0.00	Not required
	WLAN5GHz Ant 1		0.125	0mm	-104.6	44.4	-177				
	FR1 n41_Aux	Bottom Face	0.185	0mm	104	-64.2	-173.8	205.8	1.75	0.01	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.569	0mm	43.4	132.5	-177				
	WLAN5GHz Ant 1	Bottom Face	0.125	0mm	-104.6	44.4	-177	172.2	1.69	0.01	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.569	0mm	43.4	132.5	-177				



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17. 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. Therefore, the measurement uncertainty table is not required in this report.

Declaration of Conformity:

The test results with all measurement uncertainty excluded is presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

18. 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 447498 D01 v06, "Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies", Oct 2015
- [6] FCC KDB 941225 D01 v03r01, "3G SAR MEAUREMENT PROCEDURES", Oct 2015
- [7] FCC KDB 941225 D05 v02r05, "SAR Evaluation Considerations for LTE Devices", Dec 2015
- [8] FCC KDB 941225 D05A v01r02, "Rel. 10 LTE SAR Test Guidance and KDB Inquiries", Oct 2015
- [9] FCC KDB 616217 D04 v01r02, "SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers", Oct 2015
- [10] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [11] FCC KDB 865664 D02 v01r02, "RF Exposure Compliance Reporting and Documentation Considerations" Oct 2015.