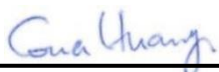


FCC SAR TEST REPORT

FCC ID : A4RGLBW0
Equipment : Phone
Model Name : GLBW0
Applicant : Google LLC
1600 Amphitheatre Parkway,
Mountain View, CA, 94043 USA
Standard : FCC 47 CFR Part 2 (2.1093)

The product was received on Dec. 09, 2024 and testing was started from Jan. 17, 2025 and completed on Mar. 19, 2025. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample provide by manufacturer and the test data has been evaluated in accordance with the test procedures given in 47 CFR Part 2.1093 and FCC KDB and has been pass the FCC requirement.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Laboratory, the test report shall not be reproduced except in full.



Approved by: Cona Huang / Deputy Manager



Sporton International Inc. Wensan Laboratory

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Table of Contents

1. Statement of Compliance.....	4
2. Equipment Under Test (EUT) Information.....	5
2.1 General Information.....	5
2.2 Maximum Tune-up Limit.....	6
2.3 General LTE SAR Test and Reporting Considerations.....	21
2.4 General 5G NR SAR Test and Reporting Considerations.....	24
3. TAS feature for RF Exposure compliance.....	27
3.1 SAR Characterization – Power Table.....	28
4. Guidance Applied.....	31
5. RF Exposure Limits.....	31
5.1 Uncontrolled Environment.....	31
5.2 Controlled Environment.....	31
5.3 RF Exposure limit for above 6GHz.....	32
6. Specific Absorption Rate (SAR).....	33
6.1 Introduction.....	33
6.2 SAR Definition.....	33
7. System Description and Setup.....	34
7.1 Test Site Location.....	34
7.2 E-Field Probe.....	35
7.3 Data Acquisition Electronics (DAE).....	35
7.4 Phantom.....	36
7.5 Device Holder.....	37
8. Measurement Procedures.....	38
8.1 Spatial Peak SAR Evaluation.....	38
8.2 Power Reference Measurement.....	39
8.3 Area Scan.....	39
8.4 Zoom Scan.....	40
8.5 Volume Scan Procedures.....	40
8.6 Power Drift Monitoring.....	40
9. Test Equipment List.....	41
10. System Verification.....	43
10.1 Tissue Verification.....	43
10.2 System Performance Check Results.....	46
10.3 PD System Performance Check Results.....	50
11. RF Exposure Positions.....	51
11.1 Ear and handset reference point.....	51
11.2 Definition of the cheek position.....	52
11.3 Definition of the tilt position.....	53
11.4 Body Worn Accessory.....	53
11.5 Product Specific Exposure.....	54
11.6 Wireless Router.....	54
12. UL/DL Carrier aggregation.....	55
13. RF Exposure position consideration.....	63
14. SAR Test Results.....	64
14.1 Head SAR.....	67
14.2 Hotspot SAR.....	94
14.3 Body Worn Accessory SAR.....	112
14.4 Product Specific SAR.....	127
14.5 6GHz PD Test Result.....	131
14.6 Repeated SAR Measurement.....	132
14.7 Power Class 2 and Power Class 3 Linearity.....	133
15. Uncertainty Assessment.....	143
16. References.....	146
Appendix A. Plots of System Performance Check for SAR and PD	
Appendix B. Plots of High SAR and PD Measurement	
Appendix C. DASY Calibration Certificate	
Appendix D-1. GSM/UMTS/LTE/NR/NTN Config Tx0 Output Power	
Appendix D-2. GSM/UMTS/LTE/NR Config Tx1 Output Power	
Appendix D-3. WLAN/BT Output Power	
Appendix E. Sensor verification and Power Reduction mechanism verification	
Appendix F. Sim-Tx SAR consideration and Spatial TAS Verification	
Appendix G. Antenna tuner tests results and Supplemental SAR Result	
Appendix H. Test Setup Photos and Antenna Location	

History of this test report

Report No.	Version	Description	Issued Date
FA4N0919C	01	Initial issue of report	Apr. 21, 2025
FA4N0919C	02	Update section 2.2, 14.1 and 14.3	Apr. 25, 2025
FA4N0919C	03	Update section 2.2, 3.1, 14.2, 14.3 and 14.7	Jun. 05, 2025



1. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) for Google LLC, Phone, GLBW0, are as follows.

Equipment Class	Frequency Band	Highest SAR Summary				Highest Simultaneous Transmission 1g SAR (W/kg)	Highest Simultaneous Transmission 10g SAR (W/kg)
		Head (Separation 0mm)	Body-worn (Separation 10mm)	Hotspot (Separation 10mm)	Product Specific (Separation 0mm)		
		1g SAR (W/kg)			10g SAR (W/kg)		
Licensed	GSM850	0.84	0.90	0.73		1.59	2.47
	GSM1900	0.59	0.96	0.73			
	WCDMA II	0.64	0.87	0.77	1.85		
	WCDMA IV	0.59	0.77	0.84			
	WCDMA V	0.90	0.76	0.76			
	LTE B7	0.82	0.91	0.82	2.17		
	LTE B12/B17	0.80	0.41	0.44			
	LTE B13	0.84	0.39	0.50			
	LTE B14	0.90	0.44	0.47			
	LTE B25/B2	0.83	0.99	0.73	1.84		
	LTE B26/B5	0.80	0.61	0.54			
	LTE B30	0.66	0.76	0.84	2.34		
	LTE B38	0.76	0.43	0.54			
	LTE B41	0.72	0.97	0.82	2.46		
	LTE B48	0.17	0.32	0.61			
	LTE B66/B4	0.98	0.82	0.83			
	LTE B71	0.92	0.33	0.42			
	FR1 n7	0.91	0.99	0.84	2.40		
	FR1 n12	0.92	0.36	0.51			
	FR1 n14	0.92	0.40	0.49			
	FR1 n25/n2	0.92	0.99	0.84	1.82		
	FR1 n26/n5	0.92	0.64	0.64			
	FR1 n30	0.57	0.76	0.76			
	FR1 n38	0.91	0.69	0.78			
	FR1 n41	0.89	0.97	0.84	2.34		
	FR1 n48	0.86	0.68	0.74			
	FR1 n66	0.91	0.99	0.84			
	FR1 n70	0.43	0.87	0.85			
	FR1 n71	0.86	0.33	0.51			
	FR1 n77/n78	0.96	0.57	0.70			
	NTN B23		0.86		2.47		
	NTN B255		0.54		2.45		
DTS	2.4GHz WLAN	1.17	0.52	0.33		1.59	
NII	5GHz WLAN	1.18	0.50	0.40	1.81	1.59	2.47
6CD	6GHz WLAN	0.82	0.11	0.08	0.51	1.59	2.47
DSS	Bluetooth	0.30	0.35	0.32		1.59	
DXX	NFC				0.02		2.47
Equipment Class	Frequency Band	Head Reported APD (mW/cm^2)	Body-worn Reported APD (mW/cm^2)	Hotspot Reported APD (mW/cm^2)	Product Specific Reported APD (mW/cm^2)	Reported PD (mW/cm^2)	
6CD	6GHz WLAN	0.58	0.09	0.05	1.22	0.73	
Date of Testing:		2025/1/17 ~ 2025/3/19					

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation and the FCC designation No. TW3786 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC test. This device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg for Partial-Body 1g SAR, 4.0 W/kg for Product Specific 10g SAR) specified in FCC 47 CFR part 2 (2.1093), Human Exposure to RF Radiation Limits (1.0 mW/cm²=10 W/m²) specified in FCC 47 CFR part 1.1310 and ANSI/IEEE C95.1-1992, and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528-2013 and FCC KDB publications.

Reviewed by: Jason Wang
Report Producer: Carlie Tsai



2. Equipment Under Test (EUT) Information

2.1 General Information

Product Feature & Specification	
Applicant Name	Google LLC
Equipment Name	Phone
Model Name	GLBW0
FCC ID	A4RGLBW0
S/N	4C271FDCR000SB, 4C271FDCR0011B, 4B161FDCR000TK, 4B141FDCR0003K, 4C271FDCR000HZ
Frequency Band	GSM850: 824.2 MHz ~ 848.8 MHz GSM1900: 1850.2 MHz ~ 1909.8 MHz WCDMA Band II: 1850 MHz ~ 1910 MHz WCDMA Band IV: 1710 MHz ~ 1755 MHz WCDMA Band V: 824 MHz ~ 849 MHz LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7: 2500 MHz ~ 2570 MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 13: 777 MHz ~ 787 MHz LTE Band 14: 788 MHz ~ 798 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 30: 2305 MHz ~ 2315 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 48: 3550 MHz ~ 3700 MHz LTE Band 66: 1710 MHz ~ 1780 MHz LTE Band 71: 663 MHz ~ 698 MHz 5G NR n2 : 1850 MHz ~ 1910 MHz 5G NR n5 : 824 MHz ~ 849 MHz 5G NR n7 : 2500 MHz ~ 2570 MHz 5G NR n12 : 699 MHz ~ 716 MHz 5G NR n14 : 788 MHz ~ 798 MHz 5G NR n25 : 1850 MHz ~ 1915 MHz 5G NR n26 : 814 MHz ~ 849 MHz 5G NR n30 : 2305 MHz ~ 2315 MHz 5G NR n38 : 2570 MHz ~ 2620 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n48 : 3550 MHz ~ 3700 MHz 5G NR n66 : 1710 MHz ~ 1780 MHz 5G NR n70 : 1695 MHz ~ 1710 MHz 5G NR n71 : 663 MHz ~ 698 MHz 5G NR n77: 3700 MHz ~ 3980 MHz, 3450MHz ~ 3550MHz 5G NR n78: 3700 MHz ~ 3800 MHz, 3450MHz ~ 3550MHz 5G NR n258 : 24.25 GHz~24.45 GHz, 24.75GHz ~25.25GHz 5G NR n260 : 37 GHz~40 GHz 5G NR n261 : 27.5 GHz~28.35 GHz NTN Band 23: 2000 MHz ~2020 MHz NTN Band 255: 1626.5 MHz ~ 1660.5 MHz WLAN 2.4 GHz Band: 2400 MHz ~ 2483.5 MHz WLAN 5.2 GHz Band: 5150 MHz ~ 5250 MHz WLAN 5.3 GHz Band: 5250 MHz ~ 5350 MHz WLAN 5.6 GHz Band: 5470 MHz ~ 5725 MHz WLAN 5.8 GHz Band: 5725 MHz ~ 5850 MHz WLAN 5.9 GHz Band: 5850 MHz ~ 5895 MHz WLAN 6 GHz Band: 5925 MHz ~ 6425 MHz, 6425 MHz~6525 MHz, 6525 MHz~6875 MHz, 6875 MHz~7125 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz NFC: 13.56 MHz WPC: 110 kHz ~ 148.5 kHz(Rx)

Mode	GSM/GPRS/EGPRS UMTS: RMC/AMR 12.2Kbps, HSDPA, HSUPA LTE: QPSK, 16QAM, 64QAM, 256QAM NTN: BPSK, QPSK 5G NR: DFT-s-OFDM/CP-OFDM, Pi/2 BPSK/QPSK/16QAM/64QAM/256QAM WLAN: 802.11a/b/g/n/ac/ax HT20/HT40/VHT20/VHT40/VHT80/HE20/HE40/HE80 Bluetooth BR/EDR/LE/CS NFC: ASK WPC: ASK
GSM / (E)GPRS Transfer mode	Class B – EUT cannot support Packet Switched and Circuit Switched Network simultaneously but can automatically switch between Packet and Circuit Switched Network.
Remark: 1. Dynamic antenna tuning mechanism is available at Ant. 0/2, for its < 3GHz LTE and NR band, and the supplemental antenna tuner test results were including in appendix G, details are illustrated in the operational description. 2. This device WLAN 2.4GHz / 5.2GHz / 5.8GHz and 6GHz VLP supports Hotspot operation and Bluetooth support tethering applications. 3. The device implements the power management and sensor detection for SAR compliance at different exposure conditions (head, body-worn, hotspot and product specific, the TAS feature will manage to ensure the power level not exceeding the associated power table. Also device implement Spatial TAS predefine antenna group to analysis simultaneous transmission include in appendix F. 4. The device implements the sensor detection for SAR compliance and the power verification include in appendix E. 5. The device additionally supports uplink MIMO on n41/n48/n77/n78, due to UL MIMO antenna operating on different antenna groups, therefore TAS validation is not required. 6. The PC1.5 only support uplink MIMO.	

2.2 Maximum Tune-up Limit

General Note:

- In the report PC3 as power class3, PC2 as power class2, PC1.5 as power class1.5.
- For each cellular band, the device has several WWAN antennas, the antenna selection is based on the connection quality condition.
- The following table shows maximum output power configurations for various exposure conditions (output power index) with tune-up tolerance accounted. For TAS enabled bands, the values associate with Plimit plus the total uncertainty, or Pmax plus total uncertainty when the derived Plimit is higher than Pmax. In some frequency bands, for some power indexes which associate with the same power level, conducted power measurement for those only need to perform at once. Detail output power measurement refer to appendix D.
- The index 1 is for the max power conditions, and the use case were evaluated in appendix G.
- SAR compliance for the scenario, when device in next-to-ear voice call with hotspot enabled, is justified via head SAR test at Power Index 3.
- The PC1.5 NR SAR was not required, due to PC1.5 operate in the time-averaged and burst transmission power is less than PC2, therefore, only PC2 was performed on the highest SAR test configuration in PC3, and use PC3 power level and SAR to estimated PC2 SAR linearly, and check if the deviation from the measured PC2 SAR is <10%.
- The PC1.5 only support uplink MIMO configuration, and which per chain target power of uplink MIMO associated with PC2 power level so that the combined total power of uplink MIMO power achieve to Power class 1.5 level

Support transmit antenna and band	
Ant Config Tx0	ANT 0: GSM850, UMTS B5, LTE B5/B12/B13/B14/B17/B26/B71, NR n5/n12/n14/n26/n71
	ANT 1: LTE B2/B4/B25/B66, NR n2/n25/n38/n41/n48/n66/n77/n78, NTN B23
	ANT 2: GSM1900, UMTS B2/B4, LTE B2/B4/B7/B25/B30/B38/B41/B66, NR n2/n7/n25/n30/n38/n41/n66/n70
	ANT 4: NTN B255
	ANT 6: LTE B48, NR n48/n77/n78
Ant Config Tx1	ANT 0: GSM1900, UMTS B2/B4, LTE B2/B4/B7/B25/B30/B38/B41/B66, NR n2/n7/n25/n30/n38/n41/n66/n70
	ANT 1: GSM850, UMTS B5, LTE B5/B12/B13/B14/B17/B26/B71, NR n5/n12/n14/n26/n71
	ANT 5: LTE B2/B4/B25/B66, NR n2/n25/n38/n41/n48/n66/n77/n78
	ANT 7: LTE B48, NR n48/n77/n78

Maximum Transmit Burst Average Power (dBm)								
Wireless technology	Mode	Antenna	Maximum Power Condition	Head	Head	Hotspot	Body-worn/Extremity	Body-worn/Extremity
				Standalone	Simultaneous	Simultaneous	Standalone	Simultaneous
			Index 1	Index 2	Index 3	Index 4	Index 5	Index 6
GSM850	GSM/GPRS 1TX	Ant0	33.50	33.50	33.50	33.50	33.50	33.50
	GPRS 2TX		32.30	32.30	32.20	31.90	32.30	32.10
	GPRS 3TX		31.30	31.30	30.40	30.10	31.00	30.30
	GPRS 4TX		30.30	30.30	29.20	28.90	29.80	29.10
	EDGE 1TX		27.30	27.30	27.30	27.30	27.30	27.30
	EDGE 2TX		26.30	26.30	26.30	26.30	26.30	26.30
	EDGE 3TX		25.30	25.30	25.30	25.30	25.30	25.30
	EDGE 4TX		24.30	24.30	24.30	24.30	24.30	24.30
GSM850	GSM/GPRS 1TX	Ant1	33.10	31.20	30.50	33.10	33.10	33.10
	GPRS 2TX		32.30	28.30	27.60	31.10	31.80	31.10
	GPRS 3TX		31.30	26.50	25.80	29.30	30.00	29.30
	GPRS 4TX		30.30	25.30	24.60	28.10	28.80	28.10
	EDGE 1TX		27.10	27.10	27.10	27.10	27.10	27.10
	EDGE 2TX		26.30	26.30	26.30	26.30	26.30	26.30
	EDGE 3TX		25.30	25.30	25.30	25.30	25.30	25.30
	EDGE 4TX		24.30	24.30	24.30	24.30	24.30	24.30
GSM1900	GSM/GPRS 1TX	Ant2	30.40	30.40	30.40	30.40	30.40	30.40
	GPRS 2TX		28.90	28.90	28.90	28.90	28.90	28.90
	GPRS 3TX		28.40	28.40	28.40	27.90	28.40	28.20
	GPRS 4TX		27.40	27.40	27.40	26.70	27.40	27.00
	EDGE 1TX		26.40	26.40	26.40	26.40	26.40	26.40
	EDGE 2TX		25.40	25.40	25.40	25.40	25.40	25.40
	EDGE 3TX		24.40	24.40	24.40	24.40	24.40	24.40
	EDGE 4TX		23.40	23.40	23.40	23.40	23.40	23.40
GSM1900	GSM/GPRS 1TX	Ant0	29.60	29.60	29.60	27.30	29.30	28.60
	GPRS 2TX		28.20	28.20	28.20	24.40	26.40	25.70
	GPRS 3TX		27.70	27.70	27.70	22.60	24.60	23.90
	GPRS 4TX		26.70	26.70	26.70	21.40	23.40	22.70
	EDGE 1TX		25.60	25.60	25.60	25.60	25.60	25.60
	EDGE 2TX		24.70	24.70	24.70	24.40	24.70	24.70
	EDGE 3TX		23.70	23.70	23.70	22.60	23.70	23.70
	EDGE 4TX		22.70	22.70	22.70	21.40	22.70	22.70



Maximum Transmit Burst Average Power (dBm)								
Wireless technology	Mode	Antenna	Maximum Power Condition	Head	Head	Hotspot	Body-worn/Extremity	Body-worn/Extremity
				Standalone	Simultaneous	Simultaneous	Standalone	Simultaneous
			Index 1	Index 2	Index 3	Index 4	Index 5	Index 6
WCDMA B2	R99/HSPA	Ant2	25.50	25.50	25.50	23.10	23.80	23.10
WCDMA B2	R99/HSPA	Ant0	25.50	25.50	25.50	18.00	20.60	19.90
WCDMA B4	R99/HSPA	Ant2	25.50	25.50	25.50	22.50	23.20	22.50
WCDMA B4	R99/HSPA	Ant0	25.50	25.50	25.50	19.70	21.20	20.50
WCDMA B5	R99/HSPA	Ant0	25.50	25.50	25.50	25.50	25.50	25.50
WCDMA B5	R99/HSPA	Ant1	25.50	23.40	22.70	25.50	25.50	25.50
LTE B7	PC3	Ant2	25.00	25.00	24.20	20.90	21.60	20.90
CA_7C	PC3	Ant2	24.50	24.50	24.20	20.90	21.60	20.90
LTE B7	PC3	Ant0	25.00	25.00	25.00	19.80	22.00	21.30
CA_7C	PC3	Ant0	24.50	24.50	24.50	19.80	22.00	21.30
LTE B12/B17	PC3	Ant0	25.00	25.00	25.00	25.00	25.00	25.00
LTE B12/B17	PC3	Ant1	25.00	23.80	23.10	25.00	25.00	25.00
LTE B13	PC3	Ant0	25.00	25.00	25.00	23.60	25.00	25.00
LTE B13	PC3	Ant1	25.00	23.90	23.20	23.70	25.00	25.00
LTE B14	PC3	Ant0	25.00	25.00	25.00	23.50	25.00	25.00
LTE B14	PC3	Ant1	25.00	24.00	23.20	23.90	25.00	25.00
LTE B25/B2	PC3	Ant2	25.00	25.00	25.00	21.10	21.80	21.10
LTE B25/B2	PC3	Ant0	25.00	25.00	25.00	17.60	20.20	19.50
LTE B25/B2	PC3	Ant1	25.00	18.40	17.70	21.30	22.50	21.80
LTE B25/B2	PC3	Ant5	24.60	20.00	19.00	22.50	23.20	22.50
LTE B26/B5	PC3	Ant0	25.00	25.00	25.00	24.50	25.00	25.00
CA_5B	PC3	Ant0	24.00	24.00	24.00	24.00	24.00	24.00
LTE B26/B5	PC3	Ant1	25.00	23.50	22.40	25.00	25.00	25.00
CA_5B	PC3	Ant1	24.00	23.50	22.40	24.00	24.00	24.00
LTE B30	PC3	Ant2	23.80	23.80	23.80	20.50	21.20	20.50
LTE B30	PC3	Ant0	21.50	21.50	21.50	19.60	21.20	20.50
LTE B41/B38	PC3	Ant2	25.10	25.10	24.70	22.00	22.70	22.00
LTE B41/B38	PC2	Ant2	26.90	26.90	26.20	23.50	24.20	23.50
CA_41C/38C	PC3	Ant2	24.50	24.50	24.50	22.00	22.70	22.00
LTE B41/B38	PC3	Ant0	25.10	25.10	25.10	21.80	24.10	23.40
LTE B41/B38	PC2	Ant0	26.70	26.70	26.70	23.10	25.40	24.70
CA_41C/38C	PC3	Ant0	24.50	24.50	24.50	21.80	24.10	23.40
LTE B48	PC3	Ant6	21.00	21.00	21.00	21.00	21.00	21.00
LTE B48	PC3	Ant7	23.30	23.30	23.30	21.30	22.00	21.30
LTE B66/B4	PC3	Ant2	25.00	25.00	25.00	22.30	23.00	22.30
CA_66B/66C	PC3	Ant2	24.50	24.50	24.50	22.30	23.00	22.30
LTE B66/B4	PC3	Ant0	25.00	25.00	25.00	19.30	20.70	20.00
CA_66B/66C	PC3	Ant0	24.50	24.50	24.50	19.30	20.70	20.00
LTE B66/B4	PC3	Ant1	25.00	16.70	15.50	21.50	22.20	21.50
LTE B66/B4	PC3	Ant5	24.60	20.60	19.40	23.30	24.00	23.30
LTE B71	PC3	Ant0	25.00	25.00	25.00	25.00	25.00	25.00
LTE B71	PC3	Ant1	25.00	24.30	23.40	25.00	25.00	25.00
FR1 n7	PC3	Ant2	25.00	24.30	23.10	21.50	22.80	22.10
FR1 n7	PC3	Ant0	25.00	25.00	25.00	19.50	21.60	20.90
FR1 n12	PC3	Ant0	25.00	25.00	25.00	24.50	25.00	25.00
FR1 n12	PC3	Ant1	25.00	23.30	22.40	25.00	25.00	25.00
FR1 n14	PC3	Ant0	25.00	25.00	25.00	23.70	25.00	25.00
FR1 n14	PC3	Ant1	25.00	23.30	22.40	24.00	25.00	25.00
FR1 n25/n2	PC3	Ant2	25.00	25.00	25.00	21.60	22.30	21.60
FR1 n25/n2	PC3	Ant0	25.00	25.00	25.00	18.10	20.20	19.50
FR1 n25/n2	PC3	Ant1	25.00	15.60	14.70	20.50	21.20	20.50



FCC SAR TEST REPORT

Report No. : FA4N0919C

FR1 n25/n2	PC3	Ant5	25.00	19.80	18.60	21.70	22.50	21.80
FR1 n26/n5	PC3	Ant0	25.00	25.00	25.00	25.00	25.00	25.00
FR1 n26/n5	PC3	Ant1	25.00	22.90	22.00	25.00	25.00	25.00
FR1 n30	PC3	Ant2	23.80	23.80	23.80	20.50	21.20	20.50
FR1 n30	PC3	Ant0	21.50	21.50	21.50	19.80	21.50	21.40
FR1 n41/n38	PC3	Ant2	25.00	24.00	22.80	21.80	22.50	21.80
FR1 n41	PC2	Ant2	26.90	26.90	25.80	24.80	25.50	24.80
FR1 n41	PC1.5	Ant2	26.40	26.40	25.80	24.80	25.50	24.80
FR1 n41/n38	PC3	Ant0	25.00	25.00	25.00	20.10	22.30	21.60
FR1 n41	PC2	Ant0	26.70	26.70	26.70	23.00	25.20	24.50
FR1 n41	PC1.5	Ant0	25.40	25.40	25.40	23.00	25.20	24.50
FR1 n41/n38	PC3	Ant1	25.00	17.90	16.70	22.20	22.90	22.20
FR1 n41	PC2	Ant1	26.90	20.90	19.70	25.20	25.90	25.20
FR1 n41	PC1.5	Ant1	25.60	20.90	19.70	25.20	25.60	25.20
FR1 n41/n38	PC3	Ant5	25.00	17.10	15.90	23.20	23.90	23.20
FR1 n41	PC2	Ant5	26.70	19.90	18.70	26.00	26.70	26.00
FR1 n41	PC1.5	Ant5	25.40	19.90	18.70	25.40	25.40	25.40
FR1 n48	PC3	Ant6	21.00	21.00	21.00	19.40	20.30	19.60
FR1 n48	PC3	Ant7	23.30	23.30	23.30	19.10	19.80	19.10
FR1 n48	PC3	Ant1	21.70	14.90	14.20	18.30	20.10	19.40
FR1 n48	PC3	Ant5	21.40	19.10	18.40	21.40	21.40	21.40
FR1 n66	PC3	Ant2	25.00	25.00	25.00	22.30	23.00	22.30
FR1 n66	PC3	Ant0	25.00	25.00	25.00	19.70	21.20	20.50
FR1 n66	PC3	Ant1	25.00	16.50	15.60	21.90	22.60	21.90
FR1 n66	PC3	Ant5	25.00	21.00	19.80	22.50	23.20	22.50
FR1 n70	PC3	Ant2	24.70	24.70	24.70	22.40	23.10	22.40
FR1 n70	PC3	Ant0	24.70	24.70	24.70	19.50	20.90	20.20
FR1 n71	PC3	Ant0	25.00	25.00	25.00	25.00	25.00	25.00
FR1 n71	PC3	Ant1	25.00	24.40	23.70	25.00	25.00	25.00
FR1 n77/n78	PC3	Ant6	25.00	25.00	24.40	19.50	20.40	19.70
FR1 n77/n78	PC2	Ant6	27.00	27.00	27.00	22.50	23.40	22.70
FR1 n77	PC1.5	Ant6	26.50	26.50	26.50	22.50	23.40	22.70
FR1 n77/n78	PC3	Ant7	24.50	24.50	23.70	19.10	19.80	19.10
FR1 n77/n78	PC2	Ant7	26.50	26.50	26.50	22.10	22.80	22.10
FR1 n77	PC1.5	Ant7	26.00	26.00	26.00	22.10	22.80	22.10
FR1 n77/n78	PC3	Ant1	25.00	14.70	13.50	17.10	20.00	19.30
FR1 n77	PC2	Ant1	27.00	17.70	16.50	20.10	23.00	22.30
FR1 n77	PC1.5	Ant1	26.50	17.70	16.50	20.10	23.00	22.30
FR1 n77/n78	PC3	Ant5	24.50	17.60	16.90	24.00	24.50	24.00
FR1 n77	PC2	Ant5	26.50	20.60	19.90	26.50	26.50	26.50
FR1 n77	PC1.5	Ant5	26.00	20.60	19.90	26.00	26.00	26.00
NTN B23	PC3	Ant1	23.50				22.30	
NTN B255	PC3	Ant4	24.50				21.80	



<WLAN Maximum Power>

General Note:

1. The device implements the power management for WLAN SAR compliance for different exposure conditions and user cases. In each exposure condition, the power index selection is determined by the user cases as tested in Section 14 of this report. Full details about the proprietary power management decision are illustrated in the operational description.
2. 4+3(3) represents the test in 2TX operation, while the SAR or power data is associated with antenna 3
3. 4+3(4) represents the test in 2TX operation, while the SAR or power data is associated with antenna 4

Burst Average Power (dBm)																				
2.4GHz Mode (CDD/SDB)	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4		Index 5		Index 6		Index 7		Index 8	
			Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
802.11b (SISO)	1	2412	21.50	22.00	17.50	17.50	16.00	16.00	13.50	13.50	10.00	10.00	21.50	22.00	21.50	22.00	18.00	18.00	16.50	16.50
	6	2437	21.50	22.00	17.50	17.50	16.00	16.00	13.50	13.50	10.00	10.00	21.50	22.00	21.50	22.00	18.00	18.00	16.50	16.50
	11	2462	21.50	21.50	17.50	17.50	16.00	16.00	13.50	13.50	10.00	10.00	21.50	21.50	21.50	21.50	18.00	18.00	16.50	16.50
	12	2467	20.50	21.50	17.50	17.50	16.00	16.00	13.50	13.50	10.00	10.00	20.50	21.50	20.50	21.50	18.00	18.00	16.50	16.50
	13	2472	20.00	19.00	17.50	17.50	16.00	16.00	13.50	13.50	10.00	10.00	20.00	19.00	20.00	19.00	18.00	18.00	16.50	16.50

Burst Average Power (dBm)																				
2.4GHz Mode (CDD/SDB)	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4		Index 5		Index 6		Index 7		Index 8	
			Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
802.11g (MIMO)	1	2412	18.00	18.00	17.50	17.50	16.00	16.00	13.50	13.50	10.00	10.00	18.00	18.00	18.00	18.00	18.00	18.00	16.50	16.50
	2	2417	20.00	20.00																
	6	2437	21.50	21.50	17.50	17.50	16.00	16.00	13.50	13.50	10.00	10.00	21.50	21.50	21.50	21.50	18.00	18.00	16.50	16.50
	9	2452	19.00	19.00																
	10	2457	18.00	18.00																
	11	2462	15.50	15.50	15.50	15.50	15.50	15.50	13.50	13.50	10.00	10.00	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50
	12	2467	14.50	14.50	14.50	14.50	14.50	14.50	13.50	13.50	10.00	10.00	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50
	13	2472	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
802.11n HT20 (MIMO)	1	2412	16.00	16.00	16.00	16.00	16.00	16.00	13.50	13.50	10.00	10.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00
	2	2417	19.00	19.00																
	6	2437	21.00	21.00	17.50	17.50	16.00	16.00	13.50	13.50	10.00	10.00	21.00	21.00	21.00	21.00	18.00	18.00	16.50	16.50
	9	2452	19.00	19.00																
	10	2457	18.00	18.00																
	11	2462	15.00	15.00	14.00	14.00	14.00	14.00	13.50	13.50	10.00	10.00	15.00	15.00	15.00	15.00	14.00	14.00	14.00	14.00
	12	2467	14.00	14.00	14.00	14.00	14.00	14.00	13.50	13.50	10.00	10.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
	13	2472	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
802.11ac VHT20 (MIMO)	1	2412	16.00	16.00	16.00	16.00	16.00	16.00	13.50	13.50	10.00	10.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00
	2	2417	19.00	19.00																
	6	2437	21.00	21.00	17.50	17.50	16.00	16.00	13.50	13.50	10.00	10.00	21.00	21.00	21.00	21.00	18.00	18.00	16.50	16.50
	9	2452	19.00	19.00																
	10	2457	18.00	18.00																
	11	2462	15.00	15.00	14.00	14.00	14.00	14.00	13.50	13.50	10.00	10.00	15.00	15.00	15.00	15.00	14.00	14.00	14.00	14.00
	12	2467	14.00	14.00	14.00	14.00	14.00	14.00	13.50	13.50	10.00	10.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
	13	2472	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
802.11ax HE20 (MIMO)	1	2412	16.00	16.00	16.00	16.00	16.00	16.00	13.50	13.50	10.00	10.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00
	2	2417	19.00	19.00																
	6	2437	21.00	21.00	17.50	17.50	16.00	16.00	13.50	13.50	10.00	10.00	21.00	21.00	21.00	21.00	18.00	18.00	16.50	16.50
	9	2452	19.00	19.00																
	10	2457	18.00	18.00																
	11	2462	15.00	15.00	14.00	14.00	14.00	14.00	13.50	13.50	10.00	10.00	15.00	15.00	15.00	15.00	14.00	14.00	14.00	14.00
	12	2467	14.00	14.00	14.00	14.00	14.00	14.00	13.50	13.50	10.00	10.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
	13	2472	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50

5.2GHz Mode (CDD/SDB)	Channel	Frequency (MHz)	Burst Average Power (dBm)																	
			Index 0		Index 1		Index 2		Index 3		Index 4		Index 5		Index 6		Index 7		Index 8	
			Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
802.11a (MIMO)	36	5180	16.00	16.00	16.00	16.00	13.50	13.50	13.50	13.50	10.00	10.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00
	40	5200	17.50	17.50	16.00	16.00	13.50	13.50	13.50	13.50	10.00	10.00	17.50	17.50	17.50	17.50	17.50	17.50	17.00	17.00
	44	5220	18.00	18.00	16.00	16.00	13.50	13.50	13.50	13.50	10.00	10.00	18.00	18.00	18.00	18.00	18.00	18.00	17.00	17.00
802.11n HT20 (MIMO)	48	5240	16.50	16.50	16.00	16.00	13.50	13.50	13.50	13.50	10.00	10.00	16.50	16.50	16.50	16.50	16.50	16.50	15.50	15.50
	36	5180	14.50	14.50	14.50	14.50	13.50	13.50	13.50	13.50	10.00	10.00	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50
	40	5200	17.00	17.00	16.00	16.00	13.50	13.50	13.50	13.50	10.00	10.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00
802.11n HT40 (MIMO)	44	5220	18.00	18.00	16.00	16.00	13.50	13.50	13.50	13.50	10.00	10.00	18.00	18.00	18.00	18.00	18.00	18.00	17.00	17.00
	48	5240	16.00	16.00	16.00	16.00	13.50	13.50	13.50	13.50	10.00	10.00	16.00	16.00	16.00	16.00	16.00	16.00	15.50	15.50
	38	5190	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	10.00	10.00	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50
802.11ac VHT20 (MIMO)	46	5230	15.50	15.50	15.50	15.50	13.50	13.50	13.50	13.50	10.00	10.00	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50
	36	5180	14.50	14.50	14.50	14.50	13.50	13.50	13.50	13.50	10.00	10.00	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50
	40	5200	17.00	17.00	16.00	16.00	13.50	13.50	13.50	13.50	10.00	10.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00
802.11ac VHT40 (MIMO)	44	5220	18.00	18.00	16.00	16.00	13.50	13.50	13.50	13.50	10.00	10.00	18.00	18.00	18.00	18.00	18.00	18.00	17.00	17.00
	48	5240	16.00	16.00	16.00	16.00	13.50	13.50	13.50	13.50	10.00	10.00	16.00	16.00	16.00	16.00	16.00	16.00	15.50	15.50
	38	5190	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	10.00	10.00	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50
802.11ac VHT80 (MIMO)	46	5230	15.50	15.50	15.50	15.50	13.50	13.50	13.50	13.50	10.00	10.00	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50
	42	5210	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	10.00	10.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00
	36	5180	14.50	14.50	14.50	14.50	13.50	13.50	13.50	13.50	10.00	10.00	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50
802.11ax HE20 (MIMO)	40	5200	17.00	17.00	16.00	16.00	13.50	13.50	13.50	13.50	10.00	10.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00
	44	5220	18.00	18.00	16.00	16.00	13.50	13.50	13.50	13.50	10.00	10.00	18.00	18.00	18.00	18.00	18.00	18.00	17.00	17.00
	48	5240	16.00	16.00	16.00	16.00	13.50	13.50	13.50	13.50	10.00	10.00	16.00	16.00	16.00	16.00	16.00	16.00	15.50	15.50
802.11ax HE40 (MIMO)	38	5190	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	10.00	10.00	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50
	46	5230	15.50	15.50	15.50	15.50	13.50	13.50	13.50	13.50	10.00	10.00	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50
	42	5210	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	10.00	10.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00
802.11ax HE80 (MIMO)	42	5210	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	10.00	10.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00

Burst Average Power (dBm)																				
5.3GHz Mode (CDD/SDB)	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4		Index 5		Index 6		Index 7		Index 8	
			Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
802.11a (MIMO)	52	5260	19.00	19.00	16.00	16.00	13.50	13.50	13.50	13.50	10.00	10.00	19.00	19.00	19.00	19.00	19.00	19.00	18.00	18.00
	56	5280	19.00	19.00	16.00	16.00	13.50	13.50	13.50	13.50	10.00	10.00	19.00	19.00	19.00	19.00	19.00	19.00	18.00	18.00
	60	5300	17.50	17.50	15.00	15.00	13.50	13.50	13.50	13.50	10.00	10.00	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50
	64	5320	16.00	16.00	15.00	15.00	13.50	13.50	13.50	13.50	10.00	10.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00
802.11n HT20 (MIMO)	52	5260	19.00	19.00	16.00	16.00	13.50	13.50	13.50	13.50	10.00	10.00	19.00	19.00	19.00	19.00	19.00	19.00	18.00	18.00
	56	5280	19.00	19.00	16.00	16.00	13.50	13.50	13.50	13.50	10.00	10.00	19.00	19.00	19.00	19.00	19.00	19.00	18.00	18.00
	60	5300	17.00	17.00	15.00	15.00	13.50	13.50	13.50	13.50	10.00	10.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00
	64	5320	15.00	15.00	15.00	15.00	13.50	13.50	13.50	13.50	10.00	10.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
802.11n HT40 (MIMO)	54	5270	16.50	16.50	15.50	15.50	13.50	13.50	13.50	13.50	10.00	10.00	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50
	62	5310	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	10.00	10.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00
802.11ac VHT20 (MIMO)	52	5260	19.00	19.00	16.00	16.00	13.50	13.50	13.50	13.50	10.00	10.00	19.00	19.00	19.00	19.00	19.00	19.00	18.00	18.00
	56	5280	19.00	19.00	16.00	16.00	13.50	13.50	13.50	13.50	10.00	10.00	19.00	19.00	19.00	19.00	19.00	19.00	18.00	18.00
	60	5300	17.00	17.00	15.00	15.00	13.50	13.50	13.50	13.50	10.00	10.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00
	64	5320	15.00	15.00	15.00	15.00	13.50	13.50	13.50	13.50	10.00	10.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
802.11ac VHT40 (MIMO)	54	5270	16.50	16.50	15.50	15.50	13.50	13.50	13.50	13.50	10.00	10.00	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50
	62	5310	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	10.00	10.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00
802.11ac VHT80 (MIMO)	58	5290	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	10.00	10.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00
802.11ax HE20 (MIMO)	52	5260	19.00	19.00	16.00	16.00	13.50	13.50	13.50	13.50	10.00	10.00	19.00	19.00	19.00	19.00	19.00	19.00	18.00	18.00
	56	5280	19.00	19.00	16.00	16.00	13.50	13.50	13.50	13.50	10.00	10.00	19.00	19.00	19.00	19.00	19.00	19.00	18.00	18.00
	60	5300	17.00	17.00	15.00	15.00	13.50	13.50	13.50	13.50	10.00	10.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00
	64	5320	15.00	15.00	15.00	15.00	13.50	13.50	13.50	13.50	10.00	10.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
802.11ax HE40 (MIMO)	54	5270	16.50	16.50	15.50	15.50	13.50	13.50	13.50	13.50	10.00	10.00	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50
	62	5310	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	10.00	10.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00
802.11ax HE80 (MIMO)	58	5290	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	10.00	10.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00

5.5GHz Mode (CDD/SDB)	Channel	Frequency (MHz)	Burst Average Power (dBm)															
			Index 0		Index 1		Index 2		Index 3		Index 4		Index 5		Index 6		Index 7	
			Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
802.11a (MIMO)	100	5500	17.00	17.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	16.00
	116	5580	19.00	19.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	19.00	19.00	19.00	19.00	17.50	17.50
	124	5620	19.00	19.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	19.00	19.00	19.00	19.00	17.50	17.50
	132	5660	19.00	19.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	19.00	19.00	19.00	19.00	17.50	17.50
	136	5680	18.00	18.00														
	140	5700	14.50	14.50														
802.11n HT20 (MIMO)	144	5720	19.00	19.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	19.00	19.00	19.00	19.00	17.50	17.50
	100	5500	15.50	15.50	15.50	15.50	14.00	14.00	11.00	11.00	8.00	8.00	15.50	15.50	15.50	15.50	15.50	15.50
	116	5580	19.00	19.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	19.00	19.00	19.00	19.00	17.50	17.50
	124	5620	19.00	19.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	19.00	19.00	19.00	19.00	17.50	17.50
	132	5660	19.00	19.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	19.00	19.00	19.00	19.00	17.50	17.50
	136	5680	17.50	17.50														
802.11n HT40 (MIMO)	140	5700	14.50	14.50														
	144	5720	19.00	19.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	19.00	19.00	19.00	19.00	17.50	17.50
	102	5510	14.50	14.50	14.50	14.50	14.00	14.00	11.00	11.00	8.00	8.00	14.50	14.50	14.50	14.50	14.50	14.50
	110	5550	18.00	18.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	18.00	18.00	18.00	18.00	17.50	17.50
	126	5630	18.00	18.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	18.00	18.00	18.00	18.00	17.50	17.50
	134	5670	16.50	16.50	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	16.50	16.50	16.50	16.50	16.50	16.00
802.11ac VHT20 (MIMO)	142	5710	19.00	19.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	19.00	19.00	19.00	19.00	17.50	17.50
	100	5500	15.50	15.50	15.50	15.50	14.00	14.00	11.00	11.00	8.00	8.00	15.50	15.50	15.50	15.50	15.50	15.50
	116	5580	19.00	19.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	19.00	19.00	19.00	19.00	17.50	17.50
	124	5620	19.00	19.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	19.00	19.00	19.00	19.00	17.50	17.50
	132	5660	19.00	19.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	19.00	19.00	19.00	19.00	17.50	17.50
	136	5680	17.50	17.50														
802.11ac VHT40 (MIMO)	140	5700	14.50	14.50														
	144	5720	19.00	19.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	19.00	19.00	19.00	19.00	17.50	17.50
	102	5510	14.50	14.50	14.50	14.50	14.00	14.00	11.00	11.00	8.00	8.00	14.50	14.50	14.50	14.50	14.50	14.50
	110	5550	18.00	18.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	18.00	18.00	18.00	18.00	17.50	17.50
	126	5630	18.00	18.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	18.00	18.00	18.00	18.00	17.50	17.50
	134	5670	16.50	16.50	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	16.50	16.50	16.50	16.50	16.50	16.00
802.11ac VHT80 (MIMO)	142	5710	19.00	19.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	19.00	19.00	19.00	19.00	17.50	17.50
	106	5530	13.00	13.00	13.00	13.00	13.00	13.00	11.00	11.00	8.00	8.00	13.00	13.00	13.00	13.00	13.00	13.00
	122	5610	17.50	17.50	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	17.50	17.50	17.50	17.50	17.50	16.00
802.11ax HE20 (MIMO)	138	5690	18.00	18.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	18.00	18.00	18.00	18.00	17.50	17.50
	100	5500	15.50	15.50	15.50	15.50	14.00	14.00	11.00	11.00	8.00	8.00	15.50	15.50	15.50	15.50	15.50	15.50
	116	5580	19.00	19.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	19.00	19.00	19.00	19.00	17.50	17.50
	124	5620	19.00	19.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	19.00	19.00	19.00	19.00	17.50	17.50
	132	5660	19.00	19.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	19.00	19.00	19.00	19.00	17.50	17.50
	136	5680	17.50	17.50														
802.11ax HE40 (MIMO)	140	5700	14.50	14.50														
	144	5720	19.00	19.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	19.00	19.00	19.00	19.00	17.50	17.50
	102	5510	14.50	14.50	14.50	14.50	14.00	14.00	11.00	11.00	8.00	8.00	14.50	14.50	14.50	14.50	14.50	14.50
	110	5550	18.00	18.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	18.00	18.00	18.00	18.00	17.50	17.50
	126	5630	18.00	18.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	18.00	18.00	18.00	18.00	17.50	17.50
	134	5670	16.50	16.50	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	16.50	16.50	16.50	16.50	16.50	16.00
802.11ax HE80 (MIMO)	142	5710	19.00	19.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	19.00	19.00	19.00	19.00	17.50	17.50
	106	5530	13.00	13.00	13.00	13.00	13.00	13.00	11.00	11.00	8.00	8.00	13.00	13.00	13.00	13.00	13.00	13.00
	122	5610	17.50	17.50	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	17.50	17.50	17.50	17.50	17.50	16.00
	138	5690	18.00	18.00	16.50	16.50	14.00	14.00	11.00	11.00	8.00	8.00	18.00	18.00	18.00	18.00	17.50	17.50

5.8GHz Mode (CDD/SDB)	Channel	Frequency (MHz)	Burst Average Power (dBm)																	
			Index 0		Index 1		Index 2		Index 3		Index 4		Index 5		Index 6		Index 7		Index 8	
			Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
802.11a (MIMO)	149	5745	19.00	19.00	16.00	16.00	14.00	14.00	12.00	12.00	8.00	8.00	19.00	19.00	19.00	19.00	17.00	17.00	15.50	15.50
	157	5785	19.00	19.00	16.00	16.00	14.00	14.00	12.00	12.00	8.00	8.00	19.00	19.00	19.00	19.00	17.00	17.00	15.50	15.50
	165	5825	19.00	19.00	16.00	16.00	14.00	14.00	12.00	12.00	8.00	8.00	19.00	19.00	19.00	19.00	17.00	17.00	15.50	15.50
802.11n HT20 (MIMO)	149	5745	19.00	19.00	16.00	16.00	14.00	14.00	12.00	12.00	8.00	8.00	19.00	19.00	19.00	19.00	17.00	17.00	15.50	15.50
	157	5785	19.00	19.00	16.00	16.00	14.00	14.00	12.00	12.00	8.00	8.00	19.00	19.00	19.00	19.00	17.00	17.00	15.50	15.50
	165	5825	19.00	19.00	16.00	16.00	14.00	14.00	12.00	12.00	8.00	8.00	19.00	19.00	19.00	19.00	17.00	17.00	15.50	15.50
802.11n HT40 (MIMO)	151	5755	19.00	19.00	16.00	16.00	14.00	14.00	12.00	12.00	8.00	8.00	19.00	19.00	19.00	19.00	17.00	17.00	15.50	15.50
	159	5795	19.00	19.00	16.00	16.00	14.00	14.00	12.00	12.00	8.00	8.00	19.00	19.00	19.00	19.00	17.00	17.00	15.50	15.50
802.11ac VHT20 (MIMO)	149	5745	19.00	19.00	16.00	16.00	14.00	14.00	12.00	12.00	8.00	8.00	19.00	19.00	19.00	19.00	17.00	17.00	15.50	15.50
	157	5785	19.00	19.00	16.00	16.00	14.00	14.00	12.00	12.00	8.00	8.00	19.00	19.00	19.00	19.00	17.00	17.00	15.50	15.50
	165	5825	19.00	19.00	16.00	16.00	14.00	14.00	12.00	12.00	8.00	8.00	19.00	19.00	19.00	19.00	17.00	17.00	15.50	15.50
802.11ac VHT40 (MIMO)	151	5755	19.00	19.00	16.00	16.00	14.00	14.00	12.00	12.00	8.00	8.00	19.00	19.00	19.00	19.00	17.00	17.00	15.50	15.50
	159	5795	19.00	19.00	16.00	16.00	14.00	14.00	12.00	12.00	8.00	8.00	19.00	19.00	19.00	19.00	17.00	17.00	15.50	15.50
802.11ac VHT80 (MIMO)	155	5775	18.00	18.00	16.00	16.00	14.00	14.00	12.00	12.00	8.00	8.00	18.00	18.00	18.00	18.00	17.00	17.00	15.50	15.50
802.11ax HE20 (MIMO)	149	5745	19.00	19.00	16.00	16.00	14.00	14.00	12.00	12.00	8.00	8.00	19.00	19.00	19.00	19.00	17.00	17.00	15.50	15.50
	157	5785	19.00	19.00	16.00	16.00	14.00	14.00	12.00	12.00	8.00	8.00	19.00	19.00	19.00	19.00	17.00	17.00	15.50	15.50
	165	5825	19.00	19.00	16.00	16.00	14.00	14.00	12.00	12.00	8.00	8.00	19.00	19.00	19.00	19.00	17.00	17.00	15.50	15.50
802.11ax HE40 (MIMO)	151	5755	19.00	19.00	16.00	16.00	14.00	14.00	12.00	12.00	8.00	8.00	19.00	19.00	19.00	19.00	17.00	17.00	15.50	15.50
	159	5795	19.00	19.00	16.00	16.00	14.00	14.00	12.00	12.00	8.00	8.00	19.00	19.00	19.00	19.00	17.00	17.00	15.50	15.50
802.11ax HE80 (MIMO)	155	5775	18.00	18.00	16.00	16.00	14.00	14.00	12.00	12.00	8.00	8.00	18.00	18.00	18.00	18.00	17.00	17.00	15.50	15.50

Burst Average Power (dBm)																				
5.9GHz Mode (CDD/SDB)	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4		Index 5		Index 6		Index 7		Index 8	
			Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
802.11a (MIMO)	169	5845	19.00	19.00	17.00	17.00	14.50	14.50	12.50	12.50	8.50	8.50	19.00	19.00	19.00	19.00	18.00	18.00	16.50	16.50
	173	5865	19.00	19.00	17.00	17.00	14.50	14.50	12.50	12.50	8.50	8.50	19.00	19.00	19.00	19.00	18.00	18.00	16.50	16.50
	177	5885	19.00	19.00	17.00	17.00	14.50	14.50	12.50	12.50	8.50	8.50	19.00	19.00	19.00	19.00	18.00	18.00	16.50	16.50
802.11n HT20 (MIMO)	169	5845	19.00	19.00	17.00	17.00	14.50	14.50	12.50	12.50	8.50	8.50	19.00	19.00	19.00	19.00	18.00	18.00	16.50	16.50
	173	5865	19.00	19.00	17.00	17.00	14.50	14.50	12.50	12.50	8.50	8.50	19.00	19.00	19.00	19.00	18.00	18.00	16.50	16.50
	177	5885	19.00	19.00	17.00	17.00	14.50	14.50	12.50	12.50	8.50	8.50	19.00	19.00	19.00	19.00	18.00	18.00	16.50	16.50
802.11n HT40 (MIMO)	167	5835	19.00	19.00	17.00	17.00	14.50	14.50	12.50	12.50	8.50	8.50	19.00	19.00	19.00	19.00	18.00	18.00	16.50	16.50
	175	5875	19.00	19.00	17.00	17.00	14.50	14.50	12.50	12.50	8.50	8.50	19.00	19.00	19.00	19.00	18.00	18.00	16.50	16.50
802.11ac VHT20 (MIMO)	169	5845	19.00	19.00	17.00	17.00	14.50	14.50	12.50	12.50	8.50	8.50	19.00	19.00	19.00	19.00	18.00	18.00	16.50	16.50
	173	5865	19.00	19.00	17.00	17.00	14.50	14.50	12.50	12.50	8.50	8.50	19.00	19.00	19.00	19.00	18.00	18.00	16.50	16.50
	177	5885	19.00	19.00	17.00	17.00	14.50	14.50	12.50	12.50	8.50	8.50	19.00	19.00	19.00	19.00	18.00	18.00	16.50	16.50
802.11ac VHT40 (MIMO)	167	5835	19.00	19.00	17.00	17.00	14.50	14.50	12.50	12.50	8.50	8.50	19.00	19.00	19.00	19.00	18.00	18.00	16.50	16.50
	175	5875	19.00	19.00	17.00	17.00	14.50	14.50	12.50	12.50	8.50	8.50	19.00	19.00	19.00	19.00	18.00	18.00	16.50	16.50
802.11ac VHT80 (MIMO)	171	5855	19.00	19.00	17.00	17.00	14.50	14.50	12.50	12.50	8.50	8.50	19.00	19.00	19.00	19.00	18.00	18.00	16.50	16.50
802.11ac VHT160 (MIMO)	163	5815	19.00	19.00	17.00	17.00	14.50	14.50	12.50	12.50	8.50	8.50	19.00	19.00	19.00	19.00	18.00	18.00	16.50	16.50
802.11ax HE20 (MIMO)	169	5845	19.00	19.00	17.00	17.00	14.50	14.50	12.50	12.50	8.50	8.50	19.00	19.00	19.00	19.00	18.00	18.00	16.50	16.50
	173	5865	19.00	19.00	17.00	17.00	14.50	14.50	12.50	12.50	8.50	8.50	19.00	19.00	19.00	19.00	18.00	18.00	16.50	16.50
	177	5885	19.00	19.00	17.00	17.00	14.50	14.50	12.50	12.50	8.50	8.50	19.00	19.00	19.00	19.00	18.00	18.00	16.50	16.50
802.11ax HE40 (MIMO)	167	5835	19.00	19.00	17.00	17.00	14.50	14.50	12.50	12.50	8.50	8.50	19.00	19.00	19.00	19.00	18.00	18.00	16.50	16.50
	175	5875	19.00	19.00	17.00	17.00	14.50	14.50	12.50	12.50	8.50	8.50	19.00	19.00	19.00	19.00	18.00	18.00	16.50	16.50
802.11ax HE80 (MIMO)	171	5855	19.00	19.00	17.00	17.00	14.50	14.50	12.50	12.50	8.50	8.50	19.00	19.00	19.00	19.00	18.00	18.00	16.50	16.50

Standard Power (SP)

Maximum Transmit Burst Average Power (dBm)					
6GHz Mode (CDD/SDB)	Band	Channel	Frequency (MHz)	Index 0	
				Ant 4	Ant 3
802.11a (MIMO)	5	1	5955	18.50	18.50
	5	49	6195	19.00	19.00
	5	93	6415	19.00	19.00
	7	117	6535	19.00	19.00
	7	149	6695	19.00	19.00
	7	181	6855	19.00	19.00
802.11ax-HE20 (MIMO)	5	1	5955	18.00	18.00
	5	49	6195	19.00	19.00
	5	93	6415	19.00	19.00
	7	117	6535	19.00	19.00
	7	149	6695	19.00	19.00
	7	181	6855	19.00	19.00
802.11ax-HE40 (MIMO)	5	3	5965	17.00	17.00
	5	51	6205	19.00	19.00
	5	91	6405	19.00	19.00
	7	123	6565	19.00	19.00
	7	147	6685	19.00	19.00
	7	179	6845	19.00	19.00
802.11ax-HE80 (MIMO)	5	7	5985	16.50	16.50
	5	55	6225	19.00	19.00
	5	87	6385	19.00	19.00
	7	135	6625	19.00	19.00
	7	151	6705	19.00	19.00
	7	167	6785	19.00	19.00

Burst Average Power (dBm)																					
6GHz Mode (CDD/SDB)	Band	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4		Index 5		Index 6		Index 7		Index 8	
				Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
802.11a (MIMO)	5	1	5955	18.50	18.50	15.50	15.50	14.50	14.50	13.00	13.00	9.50	9.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50
	5	57	6235	19.00	19.00	15.50	15.50	14.50	14.50	13.00	13.00	9.50	9.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50
	7	173	6815	19.00	19.00	13.00	13.00	13.00	13.00	13.00	13.00	10.50	10.50	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
802.11ax HE20 (MIMO)	5	1	5955	18.00	18.00	15.50	15.50	14.50	14.50	13.00	13.00	9.50	9.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50
	5	57	6235	19.00	19.00	15.50	15.50	14.50	14.50	13.00	13.00	9.50	9.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50
	7	173	6815	19.00	19.00	13.00	13.00	13.00	13.00	13.00	13.00	10.50	10.50	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
802.11ax HE40 (MIMO)	5	3	5965	17.00	17.00	15.50	15.50	14.50	14.50	13.00	13.00	9.50	9.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50
	5	59	6245	19.00	19.00	15.50	15.50	14.50	14.50	13.00	13.00	9.50	9.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50
	7	171	6805	19.00	19.00	13.00	13.00	13.00	13.00	13.00	13.00	10.50	10.50	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
802.11ax HE80 (MIMO)	5	7	5985	16.50	16.50	15.50	15.50	14.50	14.50	13.00	13.00	9.50	9.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50
	5	71	6305	19.00	19.00	15.50	15.50	14.50	14.50	13.00	13.00	9.50	9.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50
	7	167	6785	19.00	19.00	13.00	13.00	13.00	13.00	13.00	13.00	10.50	10.50	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00

Low Power Indoor (LPI)

6GHz Mode (CDD/SDB)	Maximum Transmit Burst Average Power (dBm)						
	Band	Channel	Frequency (MHz)	SDB		CDD	
				Index 0		Index 0	
				Ant 4	Ant 3	Ant 4	Ant 3
802.11a (MIMO)	5	1	5955	7.50	7.50	5.50	5.50
	5	49	6195	7.50	7.50	5.50	5.50
	5	93	6415	7.50	7.50	5.50	5.50
	6	97	6435	10.00	10.00	8.50	8.50
	6	105	6475	10.00	10.00	8.50	8.50
	6	113	6515	10.00	10.00	8.50	8.50
	7	117	6535	9.50	9.50	8.50	8.50
	7	149	6695	9.50	9.50	8.50	8.50
	7	181	6855	9.50	9.50	8.50	8.50
	7/8	185	6875	9.50	9.50	8.50	8.50
	8	189	6895	12.00	12.00	9.50	9.50
	8	209	6995	12.00	12.00	9.50	9.50
802.11ax-HE20 (MIMO)	8	229	7095	12.00	12.00	9.50	9.50
	5	1	5955	8.00	8.00	6.00	6.00
	5	49	6195	8.00	8.00	6.00	6.00
	5	93	6415	8.00	8.00	6.00	6.00
	6	97	6435	10.50	10.50	8.50	8.50
	6	105	6475	10.50	10.50	8.50	8.50
	6	113	6515	10.50	10.50	8.50	8.50
	7	117	6535	10.00	10.00	9.00	9.00
	7	149	6695	10.00	10.00	9.00	9.00
	7	181	6855	10.00	10.00	9.00	9.00
	7/8	185	6875	10.00	10.00	9.00	9.00
	8	189	6895	12.50	12.50	10.00	10.00
802.11ax-HE40 (MIMO)	8	209	6995	12.50	12.50	10.00	10.00
	8	229	7095	12.50	12.50	10.00	10.00
	5	3	5965	11.00	11.00	9.00	9.00
	5	51	6205	11.00	11.00	9.00	9.00
	5	91	6405	11.00	11.00	9.00	9.00
	6	99	6445	13.50	13.50	12.00	12.00
	6	107	6485	13.50	13.50	12.00	12.00
	6	115	6525	13.50	13.50	12.00	12.00
	7	123	6565	12.50	12.50	12.00	12.00
	7	147	6685	12.50	12.50	12.00	12.00
	7	179	6845	13.00	13.00	12.00	12.00
	7/8	187	6885	13.00	13.00	12.00	12.00
802.11ax-HE80 (MIMO)	8	195	6925	15.00	15.00	13.00	13.00
	8	211	7005	15.00	15.00	13.00	13.00
	8	227	7085	15.00	15.00	13.00	13.00
	5	7	5985	14.00	14.00	12.00	12.00
	5	55	6225	14.00	14.00	12.00	12.00
	5	87	6385	14.00	14.00	12.00	12.00
	6	103	6465	16.50	16.50	14.50	14.50
	6	119	6545	16.50	16.50	14.50	14.50
	7	135	6625	15.50	15.50	14.50	14.50
	7	151	6705	15.50	15.50	14.50	14.50
	7	167	6785	15.50	15.50	14.50	14.50
	7/8	183	6865	15.50	15.50	14.50	14.50
	8	199	6945	18.00	18.00	15.00	15.00
	8	215	7025	18.00	18.00	15.00	15.00

6GHz Mode (CDD/SDB)	Band	Channel	Frequency (MHz)	Burst Average Power (dBm)																	
				Index 0		Index 1		Index 2		Index 3		Index 4		Index 5		Index 6		Index 7		Index 8	
				Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
802.11a (MIMO)	5	1	5955	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
	5	57	6235	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
	6	113	6515	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
802.11ax HE20 (MIMO)	7	173	6815	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
	5	1	5955	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
	5	57	6235	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
802.11ax HE40 (MIMO)	6	113	6515	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.00	10.00	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50
	7	173	6815	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
	5	3	5965	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	9.50	9.50	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
802.11ax HE80 (MIMO)	5	59	6245	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	9.50	9.50	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
	6	107	6485	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	10.00	10.00	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50
	7	171	6805	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	10.50	10.50	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
802.11ax HE20 (MIMO)	8	227	7085	15.00	15.00	15.00	15.00	14.50	14.50	14.50	14.50	11.00	11.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
	5	7	5985	14.00	14.00	14.00	14.00	14.00	14.00	13.00	13.00	9.50	9.50	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
	5	71	6305	14.00	14.00	14.00	14.00	14.00	14.00	13.00	13.00	9.50	9.50	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
802.11ax HE80 (MIMO)	6	119	6545	16.50	16.50	14.00	14.00	14.00	14.00	13.50	13.50	10.00	10.00	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50
	7	167	6785	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	10.50	10.50	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
	8	215	7025	18.00	18.00	15.00	15.00	14.50	14.50	14.50	14.50	11.00	11.00	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50

Very Low Power (VLP)

Maximum Transmit Burst Average Power (dBm)							
6GHz Mode (CDD/SDB)	Band	Channel	Frequency (MHz)	SDB		CDD	
				Index 0		Index 0	
				Ant 4	Ant 3	Ant 4	Ant 3
802.11a (MIMO)	5	1	5955	3.50	3.50	1.00	1.00
	5	49	6195	3.50	3.50	1.00	1.00
	5	93	6415	3.50	3.50	1.00	1.00
	6	97	6435	6.00	6.00	4.00	4.00
	6	105	6475	6.00	6.00	4.00	4.00
	6	113	6515	6.00	6.00	4.00	4.00
	7	117	6535	5.50	5.50	4.00	4.00
	7	149	6695	5.50	5.50	4.00	4.00
	7	181	6855	5.50	5.50	4.00	4.00
	7/8	185	6875	5.50	5.50	4.00	4.00
	8	189	6895	7.50	7.50	5.00	5.00
	8	209	6995	7.50	7.50	5.00	5.00
	8	229	7095	7.50	7.50	5.00	5.00
802.11ax-HE20 (MIMO)	5	1	5955	4.00	4.00	2.00	2.00
	5	49	6195	4.00	4.00	2.00	2.00
	5	93	6415	4.00	4.00	2.00	2.00
	6	97	6435	6.00	6.00	4.50	4.50
	6	105	6475	6.50	6.50	4.50	4.50
	6	113	6515	6.50	6.50	4.50	4.50
	7	117	6535	5.50	5.50	4.50	4.50
	7	149	6695	5.50	5.50	4.50	4.50
	7	181	6855	5.50	5.50	4.50	4.50
	7/8	185	6875	5.50	5.50	4.50	4.50
	8	189	6895	8.50	8.50	5.50	5.50
	8	209	6995	8.50	8.50	5.50	5.50
	8	229	7095	8.50	8.50	5.50	5.50
802.11ax-HE40 (MIMO)	5	3	5965	7.00	7.00	5.00	5.00
	5	51	6205	7.00	7.00	5.00	5.00
	5	91	6405	7.00	7.00	5.00	5.00
	6	99	6445	9.50	9.50	8.00	8.00
	6	107	6485	9.50	9.50	8.00	8.00
	6	115	6525	9.50	9.50	8.00	8.00
	7	123	6565	9.00	9.00	7.50	7.50
	7	147	6685	9.00	9.00	7.50	7.50
	7	179	6845	9.00	9.00	7.50	7.50
	7/8	187	6885	8.00	8.00	7.50	7.50
	8	195	6925	11.50	11.50	8.50	8.50
	8	211	7005	11.50	11.50	8.50	8.50
	8	227	7085	11.50	11.50	8.50	8.50
802.11ax-HE80 (MIMO)	5	7	5985	10.00	10.00	7.50	7.50
	5	55	6225	10.00	10.00	7.50	7.50
	5	87	6385	10.00	10.00	7.50	7.50
	6	103	6465	12.00	12.00	10.50	10.50
	6	119	6545	12.00	12.00	10.50	10.50
	7	135	6625	11.50	11.50	10.50	10.50
	7	151	6705	11.50	11.50	10.50	10.50
	7	167	6785	11.50	11.50	10.50	10.50
	7/8	183	6865	11.00	11.00	10.50	10.50
	8	199	6945	14.00	14.00	11.00	11.00
	8	215	7025	14.00	14.00	11.00	11.00

6GHz Mode (CDD/SDB)	Band	Channel	Frequency (MHz)	Burst Average Power (dBm)																	
				Index 0		Index 1		Index 2		Index 3		Index 4		Index 5		Index 6		Index 7		Index 8	
				Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
802.11a (MIMO)	5	1	5955	3.50	3.50													3.50	3.50	3.50	3.50
	5	57	6235	3.50	3.50													3.50	3.50	3.50	3.50
	6	113	6515	6.00	6.00													6.00	6.00	6.00	6.00
	7	173	6815	5.50	5.50													5.50	5.50	5.50	5.50
802.11ax HE20 (MIMO)	5	1	5955	4.00	4.00													4.00	4.00	4.00	4.00
	5	57	6235	4.00	4.00													4.00	4.00	4.00	4.00
	6	113	6515	6.50	6.50													6.50	6.50	6.50	6.50
	7	173	6815	5.50	5.50													5.50	5.50	5.50	5.50
802.11ax HE40 (MIMO)	5	3	5965	7.00	7.00													7.00	7.00	7.00	7.00
	5	59	6245	7.00	7.00													7.00	7.00	7.00	7.00
	6	107	6485	9.50	9.50													9.50	9.50	9.50	9.50
	7	171	6805	9.00	9.00													9.00	9.00	9.00	9.00
802.11ax HE80 (MIMO)	8	227	7085	11.50	11.50													11.50	11.50	11.50	11.50
	5	7	5985	10.00	10.00													10.00	10.00	10.00	10.00
	5	71	6305	10.00	10.00													10.00	10.00	10.00	10.00
	6	119	6545	12.00	12.00													12.00	12.00	12.00	12.00
	7	167	6785	11.50	11.50													11.50	11.50	11.50	11.50
	8	215	7025	14.00	14.00													14.00	14.00	14.00	14.00

<Bluetooth Maximum Power>

General Note:

1. The device implements the power management for Bluetooth SAR compliance for different exposure conditions and user cases. In each exposure condition, the power index selection is determined by the user cases as tested in Section 14 of this report. Full details about the proprietary power management decision are illustrated in the operational description.

Bluetooth Mode	Channel	Frequency (MHz)	Burst Average Power (dBm)					
			Index 0		Index 1		Index 2	
			Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
BR / EDR 1Mbps (SISO)	0	2402	21.00	21.00	12.50	13.50	20.50	19.00
	39	2441	21.00	21.00	12.50	13.50	20.50	19.00
	78	2480	21.00	21.00	12.50	13.50	20.50	19.00
BR / EDR 2Mbps (SISO)	0	2402	18.00	18.00	12.50	13.50	18.00	18.00
	39	2441	18.00	18.00	12.50	13.50	18.00	18.00
	78	2480	18.00	18.00	12.50	13.50	18.00	18.00
BR / EDR 3Mbps (SISO)	0	2402	18.00	18.00	12.50	13.50	18.00	18.00
	39	2441	18.00	18.00	12.50	13.50	18.00	18.00
	78	2480	18.00	18.00	12.50	13.50	18.00	18.00
LE 1Mbps (SISO)	0	2402	21.00	21.00	12.50	13.50	20.50	19.00
	19	2440	21.00	21.00	12.50	13.50	20.50	19.00
	39	2480	21.00	21.00	12.50	13.50	20.50	19.00
LE 2Mbps (SISO)	1	2404	21.00	21.00	12.50	13.50	20.50	19.00
	19	2440	21.00	21.00	12.50	13.50	20.50	19.00
	38	2478	21.00	21.00	12.50	13.50	20.50	19.00
BLE CS GFSK 1Mbps (SISO)	2	2404	19.00	19.00	12.50	13.50	19.00	19.00
	38	2440	19.00	19.00	12.50	13.50	19.00	19.00
	76	2478	19.00	19.00	12.50	13.50	19.00	19.00
BLE CS GFSK 2Mbps (SISO)	2	2404	19.00	19.00	12.50	13.50	19.00	19.00
	38	2440	19.00	19.00	12.50	13.50	19.00	19.00
	76	2478	19.00	19.00	12.50	13.50	19.00	19.00
BLE CS ASK 1Mbps (SISO)	2	2404	19.00	19.00	12.50	13.50	19.00	19.00
	39	2441	19.00	19.00	12.50	13.50	19.00	19.00
	76	2478	19.00	19.00	12.50	13.50	19.00	19.00
BLE CS ASK 2Mbps (SISO)	2	2404	19.00	19.00	12.50	13.50	19.00	19.00
	38	2440	19.00	19.00	12.50	13.50	19.00	19.00
	76	2478	19.00	19.00	12.50	13.50	19.00	19.00

2.3 General LTE SAR Test and Reporting Considerations

Summarized necessary items addressed in KDB 941225 D05 v02r05																																																																									
FCC ID		A4RGLBW0																																																																							
Equipment Name		Phone																																																																							
Operating Frequency Range of each LTE transmission band		LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7: 2500 MHz ~ 2570 MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 13: 777 MHz ~ 787 MHz LTE Band 14: 788 MHz ~ 798 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 30: 2305 MHz ~ 2315 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 48: 3550 MHz ~ 3700 MHz LTE Band 66: 1710 MHz ~ 1780 MHz LTE Band 71: 663 MHz ~ 698 MHz																																																																							
Channel Bandwidth		LTE Band 2:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 4:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 5:1.4MHz, 3MHz, 5MHz, 10MHz LTE Band 7: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 12:1.4MHz, 3MHz, 5MHz, 10MHz LTE Band 13: 5MHz, 10MHz LTE Band 14: 5MHz, 10MHz LTE Band 17: 5MHz, 10MHz LTE Band 25:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 26:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz LTE Band 30: 5MHz, 10MHz LTE Band 38: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 41: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 48: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 66:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 71: 5MHz, 10MHz, 15MHz, 20MHz																																																																							
uplink modulations used		QPSK / 16QAM / 64QAM / 256QAM																																																																							
LTE Voice / Data requirements		Voice and Data																																																																							
LTE MPR permanently built-in by design		<table><tr><th colspan="8">Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3</th></tr><tr><th rowspan="2">Modulation</th><th colspan="6">Channel bandwidth / Transmission bandwidth (N_{RB})</th><th rowspan="2">MPR (dB)</th></tr><tr><th>1.4 MHz</th><th>3.0 MHz</th><th>5 MHz</th><th>10 MHz</th><th>15 MHz</th><th>20 MHz</th></tr><tr><td>QPSK</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 1</td></tr><tr><td>16 QAM</td><td>≤ 5</td><td>≤ 4</td><td>≤ 8</td><td>≤ 12</td><td>≤ 16</td><td>≤ 18</td><td>≤ 1</td></tr><tr><td>16 QAM</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 2</td></tr><tr><td>64 QAM</td><td>≤ 5</td><td>≤ 4</td><td>≤ 8</td><td>≤ 12</td><td>≤ 16</td><td>≤ 18</td><td>≤ 2</td></tr><tr><td>64 QAM</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 3</td></tr><tr><td>256 QAM</td><td colspan="6">≥ 1</td><td>≤ 5</td></tr></table>		Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3								Modulation	Channel bandwidth / Transmission bandwidth (N _{RB})						MPR (dB)	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1	16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1	16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2	64 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 2	64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 3	256 QAM	≥ 1						≤ 5
Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3																																																																									
Modulation	Channel bandwidth / Transmission bandwidth (N _{RB})						MPR (dB)																																																																		
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz																																																																			
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1																																																																		
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1																																																																		
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2																																																																		
64 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 2																																																																		
64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 3																																																																		
256 QAM	≥ 1						≤ 5																																																																		
LTE A-MPR		In the base station simulator configuration, Network Setting value is set to NS_01 to disable A-MPR during SAR testing and the LTE SAR tests was transmitting on all TTI frames (Maximum TTI)																																																																							
Spectrum plots for RB configuration		A properly configured base station simulator was used for the SAR and power measurement; therefore, spectrum plots for each RB allocation and offset configuration are not included in the SAR report.																																																																							
Power reduction applied to satisfy SAR compliance		The device has several different power modes for each exposure conditions SAR compliance; power selection is determined by the device’s positioning and usage scenarios. Detail refer to operational description.																																																																							
LTE Carrier Aggregation Combinations		The UL CA possible combinations and the detail power measurement please referred to section 12.																																																																							
LTE Carrier Aggregation Additional Information		This device supports maximum of 6 carriers in the downlink and 2 carriers in the uplink. Additional following LTE Release features are not supported: Relay, HetNet, Enhanced MIMO, eICI, WiFi Offloading, MDH, eMBMA, Cross-Carrier Scheduling, Enhanced SC-FDMA.																																																																							

Transmission (H, M, L) channel numbers and frequencies in each LTE band												
LTE Band 2												
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	18607	1850.7	18615	1851.5	18625	1852.5	18650	1855	18675	1857.5	18700	1860
M	18900	1880	18900	1880	18900	1880	18900	1880	18900	1880	18900	1880
H	19193	1909.3	19185	1908.5	19175	1907.5	19150	1905	19125	1902.5	19100	1900
LTE Band 4												
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	19957	1710.7	19965	1711.5	19975	1712.5	20000	1715	20025	1717.5	20050	1720
M	20175	1732.5	20175	1732.5	20175	1732.5	20175	1732.5	20175	1732.5	20175	1732.5
H	20393	1754.3	20385	1753.5	20375	1752.5	20350	1750	20325	1747.5	20300	1745
LTE Band 5												
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	20407	824.7	20415	825.5	20425	826.5	20450	829	20450	829	20450	829
M	20525	836.5	20525	836.5	20525	836.5	20525	836.5	20525	836.5	20525	836.5
H	20643	848.3	20635	847.5	20625	846.5	20600	844	20600	844	20600	844
LTE Band 7												
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz		Bandwidth 25 MHz		Bandwidth 30 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	20775	2502.5	20800	2505	20825	2507.5	20850	2510	20850	2510	20850	2510
M	21100	2535	21100	2535	21100	2535	21100	2535	21100	2535	21100	2535
H	21425	2567.5	21400	2565	21375	2562.5	21350	2560	21350	2560	21350	2560
LTE Band 12												
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	23017	699.7	23025	700.5	23035	701.5	23060	704	23060	704	23060	704
M	23095	707.5	23095	707.5	23095	707.5	23095	707.5	23095	707.5	23095	707.5
H	23173	715.3	23165	714.5	23155	713.5	23130	711	23130	711	23130	711
LTE Band 13												
	Bandwidth 5 MHz				Bandwidth 10 MHz				Bandwidth 15 MHz			
	Channel #		Freq.(MHz)		Channel #		Freq.(MHz)		Channel #		Freq.(MHz)	
L	23205		779.5		23230		782		23230		782	
M	23230		782									
H	23255		784.5									
LTE Band 14												
	Bandwidth 5 MHz				Bandwidth 10 MHz				Bandwidth 15 MHz			
	Channel #		Channel #		Channel #		Freq.(MHz)		Channel #		Freq.(MHz)	
L	23305		790.5		23330		793		23330		793	
M	23330		793									
H	23355		795.5									
LTE Band 17												
	Bandwidth 5 MHz				Bandwidth 10 MHz				Bandwidth 15 MHz			
	Channel #		Freq.(MHz)		Channel #		Freq. (MHz)		Channel #		Freq. (MHz)	
L	23755		706.5		23780		709		23780		709	
M	23790		710		23790		710		23790		710	
H	23825		713.5		23800		711		23800		711	



LTE Band 25												
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	26047	1850.7	26055	1851.5	26065	1852.5	26090	1855	26115	1857.5	26140	1860
M	26340	1880	26340	1880	26340	1880	26340	1880	26340	1880	26340	1880
H	26683	1914.3	26675	1913.5	26665	1912.5	26640	1910	26615	1907.5	26590	1905
LTE Band 26												
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz			
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	26697	814.7	26705	815.5	26715	816.5	26740	819	26765	821.5		
M	26865	831.5	26865	831.5	26865	831.5	26865	831.5	26865	831.5		
H	27033	848.3	27025	847.5	27015	846.5	26990	844	26965	841.5		
LTE Band 30												
	Bandwidth 5 MHz					Bandwidth 10 MHz						
	Channel #		Freq.(MHz)			Channel #			Freq.(MHz)			
L	27685		2307.5			27710			2310			
M	27710		2310									
H	27735		2312.5									
LTE Band 38												
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	37775	2572.5	37800	2575	37825	2577.5	37850	2580				
M	38000	2595	38000	2595	38000	2595	38000	2595				
H	38225	2617.5	38200	2615	38175	2612.5	38150	2610				
LTE Band 41												
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	39675	2498.5	39700	2501	39725	2503.5	39750	2506				
L	40148	2545.8	40160	2547	40173	2548.3	40185	2549.5				
M	40620	2593	40620	2593	40620	2593	40620	2593				
H	41093	2640.3	41080	2639	41068	2637.8	41055	2636.5				
H	41565	2687.5	41540	2685	41515	2682.5	41490	2680				
LTE Band 48												
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	55265	3552.5	55290	3555	55315	3557.5	55340	3560				
L	55810	3607	55815	3607.5	55820	3608	55830	3609				
M	56170	3643	56165	3642.5	56160	3642	56150	3641				
H	56715	3697.5	56690	3695	56665	3692.5	56640	3690				
LTE Band 66												
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	131979	1710.7	131987	1711.5	131997	1712.5	132022	1715	132047	1717.5	132072	1720
M	132322	1745	132322	1745	132322	1745	132322	1745	132322	1745	132322	1745
H	132665	1779.3	132657	1778.5	132647	1777.5	132622	1775	132597	1772.5	132572	1770
LTE Band 71												
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	133147	665.5	133172	668	133197	670.5	133222	673				
M	133297	680.5	133297	680.5	133297	680.5	133297	680.5				
H	133447	695.5	133422	693	133397	690.5	133372	688				

**2.4 General 5G NR SAR Test and Reporting Considerations**

5G NR Information																
FCC ID	A4RGLBW0															
Equipment Name	Phone															
Operating Frequency Range of each 5G NR transmission band	5G NR n2 : 1850 MHz ~ 1910 MHz															
	5G NR n5 : 824 MHz ~ 849 MHz															
	5G NR n7 : 2500 MHz ~ 2570 MHz															
	5G NR n12 : 699 MHz ~ 716 MHz															
	5G NR n14 : 788 MHz ~ 798 MHz															
	5G NR n25 : 1850 MHz ~ 1915 MHz															
	5G NR n26 : 814 MHz ~ 849 MHz															
	5G NR n30 : 2305 MHz ~ 2315 MHz															
	5G NR n38 : 2570 MHz ~ 2620 MHz															
	5G NR n41 : 2496 MHz ~ 2690 MHz															
	5G NR n48 : 3550 MHz ~ 3700 MHz															
	5G NR n66 : 1710 MHz ~ 1780 MHz															
	5G NR n70 : 1695 MHz ~ 1710 MHz															
	5G NR n71 : 663 MHz ~ 698 MHz															
	5G NR n77: 3700 MHz ~ 3980 MHz, 3450MHz ~ 3550MHz															
5G NR n78: 3700 MHz ~ 3800 MHz, 3450MHz ~ 3550MHz																
Channel Bandwidth	5G NR n2: 5MHz, 10MHz, 15MHz, 20MHz, 25MHz, 30MHz, 40MHz															
	5G NR n5: 5MHz, 10MHz, 15MHz, 20MHz															
	5G NR n7: 5MHz, 10MHz, 15MHz, 20MHz, 25 MHz, 30MHz, 40MHz, 50MHz															
	5G NR n12: 5MHz, 10MHz, 15MHz															
	5G NR n14: 5MHz, 10MHz															
	5G NR n25: 5MHz, 10MHz, 15MHz, 20MHz, 25 MHz, 30MHz, 35MHz, 40MHz															
	5G NR n26: 5MHz, 10MHz, 15MHz, 20MHz															
	5G NR n30: 5MHz, 10MHz															
	5G NR n38: 10MHz, 15MHz, 20MHz, 25 MHz, 30MHz, 40MHz															
	5G NR n41: 10MHz, 15MHz, 20MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz															
	5G NR n48: 10MHz, 15MHz, 20MH, 30MHz, 40MHz															
	5G NR n66: 5MHz, 10MHz, 15MHz, 20MHz, 25 MHz, 30MHz, 35MHz, 40MHz															
	5G NR n70: 5MHz, 10MHz, 15MHz															
	5G NR n71: 5MHz, 10MHz, 15MHz, 20MHz															
	5G NR n77/n78: 10MHz, 15MHz, 20MHz, 25 MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz															
SCS	FDD: SCS15KHz, TDD: SCS30KHz															
uplink modulations used	DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM CP-OFDM QPSK / 16QAM / 64QAM / 256QAM															
A-MPR (Additional MPR) disabled for SAR Testing?	Yes															
LTE Anchor Bands for n2	LTE B2/4/5/7/12/13/14/30/48/66/71															
LTE Anchor Bands for n5	LTE B2/7/30/48/66															
LTE Anchor Bands for n7	LTE B2/5/12/13/66/71															
LTE Anchor Bands for n12	LTE B2/7/66															
LTE Anchor Bands for n25	LTE B2/12/13/26/48/66															
LTE Anchor Bands for n30	LTE B2/5/12/14/66															
LTE Anchor Bands for n38	LTE B2/4/5/12/66/71															
LTE Anchor Bands for n41	LTE B2/4/5/12/25/26/66/71															
LTE Anchor Bands for n48	LTE B2/66															
LTE Anchor Bands for n66	LTE B2/5/7/12/13/14/25/30/48/66/71															
LTE Anchor Bands for n71	LTE B2/7/66															
LTE Anchor Bands for n77	LTE B2/5/7/12/13/14/25/26/30/41/66															
LTE Anchor Bands for n78	LTE B2/4/5/7/12/13/25/38/41/66/71															
NR Band 2																
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 40MHz			
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)		
L	370500	1852.5	371000	1855	371500	1857.5	372000	1860	372500	1862.5	373000	1865	374000	1870		
M	376000	1880	376000	1880	376000	1880	376000	1880	376000	1880	376000	1880	376000	1880		
H	381500	1907.5	381000	1905	380500	1902.5	380000	1900	379500	1897.5	379000	1895	378000	1890		
NR Band 5																
	Bandwidth 5MHz			Bandwidth 10MHz			Bandwidth 15MHz			Bandwidth 20MHz						
	Ch. #		Freq. (MHz)	Ch. #		Freq. (MHz)	Ch. #		Freq. (MHz)	Ch. #		Freq. (MHz)	Ch. #			Freq. (MHz)
L	165300		826.5	165800		829	166300		831.5	166800		834				
M	167300		836.5	167300		836.5	167300		836.5	167300		836.5				
H	169300		846.5	168800		844	168300		841.5	167800		839				

NR Band 7																						
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz							
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)						
L	500500	2502.5	501000	2505	501500	2507.5	502000	2510	502500	2512.5	503000	2515	504000	2520	505000	2525						
M	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535						
H	513500	2567.5	513000	2565	512500	2562.5	512000	2560	511500	2557.5	511000	2555	510000	2550	509000	2545						
NR Band 12																						
	Bandwidth 5MHz					Bandwidth 10MHz					Bandwidth 15MHz											
	Ch. #		Freq. (MHz)			Ch. #		Freq. (MHz)			Ch. #		Freq. (MHz)									
L	140300		701.5			140800		704			141300		706.5									
M	141500		707.5			141500		707.5			141500		707.5									
H	142700		713.5			142200		711			141700		708.5									
NR Band 14																						
	Bandwidth 5MHz							Bandwidth 10MHz														
	Ch. #				Freq. (MHz)			Ch. #					Freq. (MHz)									
L	158100				790.5			158600					793									
M	158600				793																	
H	159100				795.5																	
NR Band 25																						
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 35MHz		Bandwidth 40MHz							
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)						
L	370500	1852.5	371000	1855	371500	1857.5	372000	1860	372500	1862.5	373000	1865	373500	1867.5	374000	1870						
M	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5						
H	382500	1912.5	382000	1910	381500	1907.5	381000	1905	380500	1902.5	380000	1900	379500	1897.5	379000	1895						
NR Band 26																						
	Bandwidth 5MHz				Bandwidth 10MHz				Bandwidth 15MHz				Bandwidth 20MHz									
	Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)							
L	163300		816.5		163800		819		164300		821.5		164800		824							
M	166300		831.5		166300		831.5		166300		831.5		166300		831.5							
H	169300		846.5		168800		844		168300		841.5		167800		839							
NR Band 30																						
	Bandwidth 5MHz						Bandwidth 10MHz															
	Ch. #			Freq. (MHz)			Ch. #					Freq. (MHz)										
L	461500			2307.5			462000					2310										
M	462000			2310																		
H	462500			2312.5																		
NR Band 38																						
	Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 40MHz											
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)										
L	515004	2575.02	515502	2577.51	516000	2580	516504	2582.52	517002	2585.01	518004	2590.02										
M	519000	2595	519000	2595	519000	2595	519000	2595	519000	2595	519000	2595										
H	522996	2614.98	522498	2612.49	522000	2610	521496	2607.48	520998	2604.99	519996	2599.98										
NR Band 41																						
	Bandwidth10MHz		Bandwidth15MHz		Bandwidth20MHz		Bandwidth30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	500202	2501.01	500700	2503.5	501204	2506.02	502200	2511	503202	2516.01	504204	2521.02	505200	2526	506202	2531.01	507204	2536.02	508200	2541	509202	2546.01
M	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99
H	537000	2685	536496	2682.48	535998	2679.99	534996	2674.98	534000	2670	532998	2664.99	531996	2659.98	531000	2655	529998	2649.99	528996	2644.98	528000	2640
NR Band 48																						
	Bandwidth 10MHz			Bandwidth 15MHz			Bandwidth 20MHz			Bandwidth 30MHz			Bandwidth 40MHz									
	Ch. #	Freq. (MHz)		Ch. #	Freq. (MHz)		Ch. #	Freq. (MHz)		Ch. #	Freq. (MHz)		Ch. #	Freq. (MHz)								
L	637000	3555		637168	3557.52		637334	3560.01		637668	3565.02		638000	3570								
M	641666	3624.99		641666	3624.99		641666	3624.99		641666	3624.99		641666	3624.99								
H	646332	3694.98		646166	3692.49		646000	3690		645666	3684.99		645332	3679.98								



NR Band 66																								
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 35MHz		Bandwidth 40MHz									
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)								
L	342500	1712.5	343000	1715	343500	1717.5	344000	1720	344500	1722.5	345000	1725	345500	1727.5	346000	1730								
M	349000	1745	349000	1745	349000	1745	349000	1745	349000	1745	349000	1745	349000	1745	349000	1745								
H	355500	1777.5	355000	1775	354500	1772.5	354000	1770	353500	1767.5	353000	1765	352500	1762.5	352000	1760								
NR Band 70																								
	Bandwidth 5MHz				Bandwidth 10MHz				Bandwidth 15MHz															
	Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #				Freq. (MHz)											
L	339500		1697.5		340000		1700		340500				1702.5											
M	340500		1702.5		340500		1702.5																	
H	341500		1707.5		341000		1705																	
NR Band 71																								
	Bandwidth 5MHz				Bandwidth 10MHz				Bandwidth 15MHz				Bandwidth 20MHz											
	Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)									
L	133100		665.5		133600		668		13410		670.5		134600		673									
M	136100		680.5		136100		680.5		136100		680.5		136100		680.5									
H	139100		695.5		138600		693		13810		690.5		137600		688									
NR Band 77_Part 27O																								
	Bandwidth10MHz		Bandwidth15MHz		Bandwidth 20MHz		Bandwidth25MHz		Bandwidth30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	647000	3705	647168	3707.52	647334	3710.01	647500	3712.5	647668	3715.02	648000	3720	648334	3725.01	648668	3730.02	649000	3735	649334	3740.01	649668	3745.02	650000	3750
M	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840
H	665000	3975	664832	3972.48	664666	3969.99	664500	3967.50	664332	3964.98	664000	3960	663666	3954.99	663332	3949.98	663000	3945	662666	3939.99	662332	3934.98	662000	3930
NR Band 78_Part 27O																								
	Bandwidth10MHz		Bandwidth15MHz		Bandwidth 20MHz		Bandwidth25MHz		Bandwidth30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	647000	3705	647168	3707.52	647334	3710.01	647500	3712.5	647668	3715.02	648000	3720	648334	3725.01	648668	3730.02	649000	3735	649334	3740.01	649668	3745.02	650000	3750
M	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750		
H	653000	3795	652832	3792.48	652666	3789.99	652500	3787.50	652332	3784.98	652000	3780	651666	3774.99	651332	3769.98	651000	3765	650666	3759.99	650332	3754.98		
NR Band 77/78_Part 27Q																								
	Bandwidth10MHz		Bandwidth15MHz		Bandwidth 20MHz		Bandwidth25MHz		Bandwidth30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	630334	3455.01	630500	3457.5	630668	3460.02	630834	3462.51	631000	3465	631334	3470.01	631668	3475.02	632000	3480	632334	3485.01	632668	3490.02	633000	3495	633332	3499.98
M	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98		
H	636332	3544.98	636166	3542.49	636000	3540	635832	3537.48	635666	3534.99	635332	3529.98	635000	3525	634666	3519.99	634332	3514.98	634000	3510	633666	3504.99		

3. TAS feature for RF Exposure compliance

The FCC RF exposure limit is based on time-averaged RF exposure. Both SAR and PD regulatory specifications are defined over certain measurement duration allowing for time-averaging. The Samsung S.LSI proprietary Spatial Time Average SAR (S-TAS) with Non-Terrestrial Networks algorithm has been designed to meet the compliance limits over the required duration, while still allowing dynamic control of transmit power for meeting system performance. Under the control of TAS algorithm, the device can transmit at high power up to Pmax for certain interval, but the average power will be maintained not exceeding the pre-defined averaged level (Plimit), and thus maintain the time-averaged RF exposure compliance

The following table shows Plimit and maximum tune up output power Pmax, for all exposure and transmit transmit conditions (output power index).

Pmax	Maximum Tx power that can be transmitted physically from RFIC for a given RAT
SAR_FCC_limit	SAR limit specified by FCC 1.6 W/kg averaged over 1-gram, for head and body exposure, and 4 W/kg averaged over 10-gram, for extremity exposure
PD_FCC_limit	PD limit specified by FCC, 10 W/m ² averaged over 4 cm ²
Plimit	The time-averaged RF power that corresponds to SAR_target or PD_target.

3.1 SAR Characterization – Power Table

General Note:

1. The P_{limit} values correspond to SAR_{design target}.
2. GSM don't support time average feature of dynamic power varying, the power will be fixed at the static reduce power level at different exposure conditions for RF exposure compliance. For the GSM P_{limit} power levels in the table correspond to the burst average power levels which don't account for TX duty cycle.
3. UMTS, LTE, FR1 and NTN: P_{limit} power levels in the table correspond to the time-averaged power levels which accounts for TX duty cycle.
4. Maximum target power, P_{max}, is configured in NV settings in EUT to limit maximum transmitting power. This power is converted into peak power in NV settings for TDD schemes.

<P_{limit} for supported technologies and bands (P_{limit} corresponding to SAR design target)>

Wireless technology (No Accounting duty cycle)	Mode	Duty cycle	Antenna	Maximum Power Condition	Head		Hotspot	Body-worn/Extremity		P Max Burst average power (dBm)
					Standalone	Simultaneous	Simultaneous	Standalone	Simultaneous	
				Index 1	Index 2	Index 3	Index 4	Index 5	Index 6	
				P limit						
				Burst average power (dBm)						
GSM850	GSM/GPRS 1TX	12.50%	Ant0	32.50	35.60	34.40	34.10	35.00	34.30	32.50
	GPRS 2TX	25.00%		31.50	32.60	31.40	31.10	32.00	31.30	31.50
	GPRS 3TX	37.50%		30.50	30.80	29.60	29.30	30.20	29.50	30.50
	GPRS 4TX	50.00%		29.50	29.60	28.40	28.10	29.00	28.30	29.50
	EDGE 1TX	12.50%		26.50	35.60	34.40	34.10	35.00	34.30	26.50
	EDGE 2TX	25.00%		25.50	32.60	31.40	31.10	32.00	31.30	25.50
	EDGE 3TX	37.50%		24.50	30.80	29.60	29.30	30.20	29.50	24.50
	EDGE 4TX	50.00%		23.50	29.60	28.40	28.10	29.00	28.30	23.50
GSM850	GSM/GPRS 1TX	12.50%	Ant1	32.20	30.30	29.60	33.10	33.80	33.10	32.20
	GPRS 2TX	25.00%		31.30	27.30	26.60	30.10	30.80	30.10	31.30
	GPRS 3TX	37.50%		30.30	25.50	24.80	28.30	29.00	28.30	30.30
	GPRS 4TX	50.00%		29.30	24.30	23.60	27.10	27.80	27.10	29.30
	EDGE 1TX	12.50%		26.20	30.30	29.60	33.10	33.80	33.10	26.20
	EDGE 2TX	25.00%		25.30	27.30	26.60	30.10	30.80	30.10	25.30
	EDGE 3TX	37.50%		24.30	25.50	24.80	28.30	29.00	28.30	24.30
	EDGE 4TX	50.00%		23.30	24.30	23.60	27.10	27.80	27.10	23.30
GSM1900	GSM/GPRS 1TX	12.50%	Ant2	29.50	34.70	34.00	31.80	32.80	32.10	29.50
	GPRS 2TX	25.00%		28.00	31.70	31.00	28.80	29.80	29.10	28.00
	GPRS 3TX	37.50%		27.50	29.90	29.20	27.00	28.00	27.30	27.50
	GPRS 4TX	50.00%		26.50	28.70	28.00	25.80	26.80	26.10	26.50
	EDGE 1TX	12.50%		25.50	34.70	34.00	31.80	32.80	32.10	25.50
	EDGE 2TX	25.00%		24.50	31.70	31.00	28.80	29.80	29.10	24.50
	EDGE 3TX	37.50%		23.50	29.90	29.20	27.00	28.00	27.30	23.50
	EDGE 4TX	50.00%		22.50	28.70	28.00	25.80	26.80	26.10	22.50
GSM1900	GSM/GPRS 1TX	12.50%	Ant0	28.70	43.80	43.10	26.40	28.40	27.70	28.70
	GPRS 2TX	25.00%		27.20	40.80	40.10	23.40	25.40	24.70	27.20
	GPRS 3TX	37.50%		26.70	39.00	38.30	21.60	23.60	22.90	26.70
	GPRS 4TX	50.00%		25.70	37.80	37.10	20.40	22.40	21.70	25.70
	EDGE 1TX	12.50%		24.70	43.80	43.10	26.40	28.40	27.70	24.70
	EDGE 2TX	25.00%		23.70	40.80	40.10	23.40	25.40	24.70	23.70
	EDGE 3TX	37.50%		22.70	39.00	38.30	21.60	23.60	22.90	22.70
	EDGE 4TX	50.00%		21.70	37.80	37.10	20.40	22.40	21.70	21.70



Wireless technology (Accounting duty cycle)	Mode	Duty cycle	Antenna	Maximum Power Condition	Head		Hotspot	Body-worn/Extremity		P Max Time-average power (dBm)
					Standalone	Simultaneous	Simultaneous	Standalone	Simultaneous	
				Index 1	Index 2	Index 3	Index 4	Index 5	Index 6	
				P limit						
Time-average power (dBm)										
WCDMA B2	R99/HSPA	100.00%	Ant2	24.00	25.80	25.10	21.60	22.30	21.60	24.00
WCDMA B2	R99/HSPA	100.00%	Ant0	23.80	35.20	34.50	16.30	18.90	18.20	23.80
WCDMA B4	R99/HSPA	100.00%	Ant2	24.00	26.20	25.50	21.00	21.70	21.00	24.00
WCDMA B4	R99/HSPA	100.00%	Ant0	23.80	33.50	32.80	18.00	19.50	18.80	23.80
WCDMA B5	R99/HSPA	100.00%	Ant0	24.30	28.20	27.50	24.70	25.40	24.70	24.30
WCDMA B5	R99/HSPA	100.00%	Ant1	24.10	22.00	21.30	24.10	24.80	24.10	24.10
LTE B7	PC3	100.00%	Ant2	24.10	24.50	23.30	20.00	20.70	20.00	24.10
LTE B7	PC3	100.00%	Ant0	23.90	31.60	30.90	18.70	20.90	20.20	23.90
LTE B12/B17	PC3	100.00%	Ant0	24.30	30.60	29.90	26.30	27.00	26.30	24.30
LTE B12/B17	PC3	100.00%	Ant1	24.10	22.90	22.20	26.50	27.20	26.50	24.10
LTE B13	PC3	100.00%	Ant0	24.30	29.30	28.60	22.90	28.40	27.70	24.30
LTE B13	PC3	100.00%	Ant1	24.10	23.00	22.30	22.80	27.20	26.50	24.10
LTE B14	PC3	100.00%	Ant0	24.30	29.10	28.40	22.80	27.80	27.10	24.30
LTE B14	PC3	100.00%	Ant1	24.10	23.10	22.30	23.00	27.20	26.50	24.10
LTE B25/B2	PC3	100.00%	Ant2	24.00	25.90	25.20	20.10	20.80	20.10	24.00
LTE B25/B2	PC3	100.00%	Ant0	23.90	35.90	35.20	16.50	19.10	18.40	23.90
LTE B25/B2	PC3	100.00%	Ant1	24.00	17.40	16.70	20.30	21.50	20.80	24.00
LTE B25/B2	PC3	100.00%	Ant5	23.80	19.20	18.20	21.70	22.40	21.70	23.80
LTE B26/B5	PC3	100.00%	Ant0	24.30	28.40	27.70	23.80	26.20	25.50	24.30
LTE B26/B5	PC3	100.00%	Ant1	24.10	22.60	21.50	24.20	24.90	24.20	24.10
LTE B30	PC3	100.00%	Ant2	22.90	24.10	23.40	19.60	20.30	19.60	22.90
LTE B30	PC3	100.00%	Ant0	20.50	32.50	31.80	18.60	20.20	19.50	20.50
LTE B41/B38	PC3	63.30%	Ant2	22.10	22.90	21.70	19.00	19.70	19.00	22.10
LTE B41/B38	PC2	43.30%	Ant2	22.40	22.90	21.70	19.00	19.70	19.00	22.40
LTE B41/B38	PC3	63.30%	Ant0	21.90	31.50	30.80	18.60	20.90	20.20	21.90
LTE B41/B38	PC2	43.30%	Ant0	22.20	31.50	30.80	18.60	20.90	20.20	22.20
LTE B48	PC3	63.30%	Ant6	18.00	25.70	25.00	18.80	20.10	19.40	18.00
LTE B48	PC3	63.30%	Ant7	20.10	25.50	24.80	18.10	18.80	18.10	20.10
LTE B66/B4	PC3	100.00%	Ant2	24.00	25.50	24.80	21.30	22.00	21.30	24.00
LTE B66/B4	PC3	100.00%	Ant0	23.90	34.70	34.00	18.20	19.60	18.90	23.90
LTE B66/B4	PC3	100.00%	Ant1	24.00	15.70	14.50	20.50	21.20	20.50	24.00
LTE B66/B4	PC3	100.00%	Ant5	23.80	19.80	18.60	22.50	23.20	22.50	23.80
LTE B71	PC3	100.00%	Ant0	24.30	29.50	28.80	27.30	28.40	27.70	24.30
LTE B71	PC3	100.00%	Ant1	24.10	23.40	22.50	26.70	27.40	26.70	24.10
FR1 n7	PC3	100.00%	Ant2	24.10	23.40	22.20	20.60	21.90	21.20	24.10
FR1 n7	PC3	100.00%	Ant0	23.90	31.80	31.10	18.40	20.50	19.80	23.90
FR1 n12	PC3	100.00%	Ant0	24.30	29.40	28.70	23.80	26.10	25.40	24.30
FR1 n12	PC3	100.00%	Ant1	24.10	22.40	21.50	25.20	25.90	25.20	24.10
FR1 n14	PC3	100.00%	Ant0	24.30	28.90	28.20	23.00	28.20	27.50	24.30
FR1 n14	PC3	100.00%	Ant1	24.10	22.40	21.50	23.10	26.10	25.40	24.10
FR1 n25/n2	PC3	100.00%	Ant2	24.00	27.10	26.40	20.60	21.30	20.60	24.00
FR1 n25/n2	PC3	100.00%	Ant0	23.90	36.70	36.00	17.00	19.10	18.40	23.90
FR1 n25/n2	PC3	100.00%	Ant1	24.00	14.60	13.70	19.50	20.20	19.50	24.00
FR1 n25/n2	PC3	100.00%	Ant5	23.80	18.60	17.40	20.50	21.30	20.60	23.80
FR1 n26/n5	PC3	100.00%	Ant0	24.30	28.40	27.70	25.20	26.00	25.30	24.30
FR1 n26/n5	PC3	100.00%	Ant1	24.10	22.00	21.10	24.20	24.90	24.20	24.10
FR1 n30	PC3	100.00%	Ant2	22.90	24.90	24.20	19.60	20.30	19.60	22.90
FR1 n30	PC3	100.00%	Ant0	20.50	33.70	33.00	18.80	21.10	20.40	20.50
FR1 n41/n38	PC3	100.00%	Ant2	24.10	23.10	21.90	20.90	21.60	20.90	24.10
FR1 n41	PC2	50.00%	Ant2	23.00	23.10	21.90	20.90	21.60	20.90	23.00



FCC SAR TEST REPORT

Report No. : FA4N0919C

FR1 n41	PC1.5	25.00%	Ant2	19.50	23.10	21.90	20.90	21.60	20.90	19.50
FR1 n41/n38	PC3	100.00%	Ant0	24.00	31.70	31.00	19.10	21.30	20.60	24.00
FR1 n41	PC2	50.00%	Ant0	22.80	31.70	31.00	19.10	21.30	20.60	22.80
FR1 n41	PC1.5	25.00%	Ant0	18.50	31.70	31.00	19.10	21.30	20.60	18.50
FR1 n41/n38	PC3	100.00%	Ant1	24.10	17.00	15.80	21.30	22.00	21.30	24.10
FR1 n41	PC2	50.00%	Ant1	23.00	17.00	15.80	21.30	22.00	21.30	23.00
FR1 n41	PC1.5	25.00%	Ant1	18.70	17.00	15.80	21.30	22.00	21.30	18.70
FR1 n41/n38	PC3	100.00%	Ant5	23.70	15.80	14.60	21.90	22.60	21.90	23.70
FR1 n41	PC2	50.00%	Ant5	22.60	15.80	14.60	21.90	22.60	21.90	22.60
FR1 n41	PC1.5	25.00%	Ant5	18.30	15.80	14.60	21.90	22.60	21.90	18.30
FR1 n48	PC3	100.00%	Ant6	20.00	24.90	24.20	18.40	19.30	18.60	20.00
FR1 n48	PC3	100.00%	Ant7	22.30	25.90	25.20	18.10	18.80	18.10	22.30
FR1 n48	PC3	100.00%	Ant1	20.70	13.90	13.20	17.30	19.10	18.40	20.70
FR1 n48	PC3	100.00%	Ant5	20.40	18.10	17.40	23.80	24.50	23.80	20.40
FR1 n66	PC3	100.00%	Ant2	24.00	26.70	26.00	21.30	22.00	21.30	24.00
FR1 n66	PC3	100.00%	Ant0	23.90	35.00	34.30	18.60	20.10	19.40	23.90
FR1 n66	PC3	100.00%	Ant1	24.00	15.50	14.60	20.90	21.60	20.90	24.00
FR1 n66	PC3	100.00%	Ant5	23.80	19.80	18.60	21.30	22.00	21.30	23.80
FR1 n70	PC3	100.00%	Ant2	23.70	27.30	26.60	21.40	22.10	21.40	23.70
FR1 n70	PC3	100.00%	Ant0	23.60	32.50	31.80	18.40	19.80	19.10	23.60
FR1 n71	PC3	100.00%	Ant0	24.30	30.10	29.40	26.40	28.40	27.70	24.30
FR1 n71	PC3	100.00%	Ant1	24.10	23.50	22.80	26.20	26.90	26.20	24.10
FR1 n77/n78	PC3	100.00%	Ant6	24.00	24.10	23.40	18.50	19.40	18.70	24.00
FR1 n77/n78	PC2	50.00%	Ant6	23.00	24.10	23.40	18.50	19.40	18.70	23.00
FR1 n77	PC1.5	25.00%	Ant6	19.50	24.10	23.40	18.50	19.40	18.70	19.50
FR1 n77/n78	PC3	100.00%	Ant7	23.50	23.90	22.70	18.10	18.80	18.10	23.50
FR1 n77/n78	PC2	50.00%	Ant7	22.50	23.90	22.70	18.10	18.80	18.10	22.50
FR1 n77	PC1.5	25.00%	Ant7	19.00	23.90	22.70	18.10	18.80	18.10	19.00
FR1 n77/n78	PC3	100.00%	Ant1	24.00	13.70	12.50	16.10	19.00	18.30	24.00
FR1 n77	PC2	50.00%	Ant1	23.00	13.70	12.50	16.10	19.00	18.30	23.00
FR1 n77	PC1.5	25.00%	Ant1	19.50	13.70	12.50	16.10	19.00	18.30	19.50
FR1 n77/n78	PC3	100.00%	Ant5	23.50	16.60	15.90	23.00	23.70	23.00	23.50
FR1 n77	PC2	50.00%	Ant5	22.50	16.60	15.90	23.00	23.70	23.00	22.50
FR1 n77	PC1.5	25.00%	Ant5	19.00	16.60	15.90	23.00	23.70	23.00	19.00
NTN B23	PC3	83.00%	Ant1	21.70				20.50		21.70
NTN B255	PC3	83.00%	Ant4	22.70				20.00		22.70



4. Guidance Applied

The Specific Absorption Rate (SAR) testing specification, method, and procedure for this device is in accordance with the following standards, the below KDB standard may not including in the TAF code without accreditation.

- FCC 47 CFR Part 2 (2.1093)
- ANSI/IEEE C95.1-1992
- IEEE 1528-2013
- FCC KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04
- FCC KDB 865664 D02 SAR Reporting v01r02
- FCC KDB 447498 D01 General RF Exposure Guidance v06
- FCC KDB 648474 D04 SAR Evaluation Considerations for Wireless Handsets v01r03
- FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02
- FCC KDB 941225 D01 3G SAR Procedures v03r01
- FCC KDB 941225 D05 SAR for LTE Devices v02r05
- FCC KDB 941225 D05A Rel.10 LTE SAR Test Guidance v01r02
- FCC KDB 941225 D06 Hotspot Mode SAR v02r01
- FCC KDB 941225 D07 UMPC Mini Tablet v01r02
- IEC/IEEE 62209-1528:2020
- SPEAG DASY6 System Handbook
- SPEAG DASY6 Application Note (Interim Procedure for Device Operation at 6GHz-10GHz)

5. RF Exposure Limits

5.1 Uncontrolled Environment

Uncontrolled Environments are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure. The general population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

5.2 Controlled Environment

Controlled Environments are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation). In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. The exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

Limits for Occupational/Controlled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.4	8.0	20.0

Limits for General Population/Uncontrolled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.08	1.6	4.0

1. Whole-Body SAR is averaged over the entire body, partial-body SAR is averaged over any 1gram of tissue defined as a tissue volume in the shape of a cube. SAR for hands, wrists, feet and ankles is averaged over any 10 grams of tissue defined as a tissue volume in the shape of a cube.

5.3 RF Exposure limit for above 6GHz

According to ANSI/IEEE C95.1-1992, the criteria listed in Table 1 shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §1.1310.

Peak Spatially Averaged Power Density was evaluated over a circular area of 4cm² per interim FCC Guidance for near-field power density evaluations per October 2018 TCB Workshop notes

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

6. Specific Absorption Rate (SAR)

6.1 Introduction

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

6.2 SAR Definition

The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density (ρ). The equation description is as below:

$$SAR = \frac{d}{dt} \left(\frac{dW}{dm} \right) = \frac{d}{dt} \left(\frac{dW}{\rho dv} \right)$$

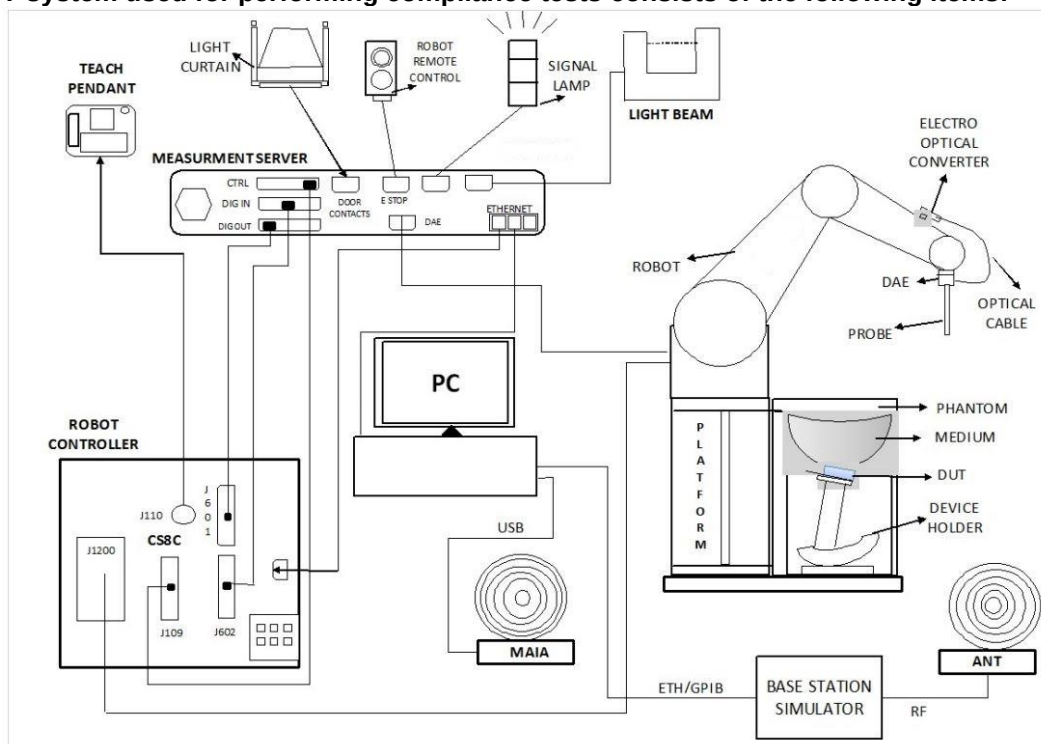
SAR is expressed in units of Watts per kilogram (W/kg)

$$SAR = \frac{\sigma |E|^2}{\rho}$$

Where: σ is the conductivity of the tissue, ρ is the mass density of the tissue and E is the RMS electrical field strength.

7. System Description and Setup

The DASY system used for performing compliance tests consists of the following items:



- The DASY system in SAR Configuration is shown above
- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic Field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running windows software and the DASY software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

7.1 Test Site Location

The SAR measurement facilities used to collect data are within both Sporton Lab list below test site location are accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 1190 and 3786) and the FCC designation No. TW1190 and TW3786 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC test.

Laboratory	EMC & Wireless Communications Laboratory		Wensan Laboratory				
Test Site Location	TW1190 No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan		TW3786 No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan				
Test Site No.	SAR01-HY	SAR03-HY	SAR08-HY	SAR09-HY	SAR15-HY	SAR18-HY	SAR21-HY
	SAR04-HY	SAR05-HY	SAR11-HY	SAR12-HY	SAR16-HY	SAR19-HY	SAR22-HY
	SAR06-HY	SAR10-HY	SAR13-HY	SAR14-HY	SAR17-HY	SAR20-HY	

7.2 E-Field Probe

The SAR measurement is conducted with the dosimetric probe (manufactured by SPEAG). The probe is specially designed and calibrated for use in liquid with high permittivity. The dosimetric probe has special calibration in liquid at different frequency. This probe has a built in optical surface detection system to prevent from collision with phantom.

<ES3DV3 Probe>

Construction	Symmetric design with triangular core Interleaved sensors Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	
Frequency	4 MHz – 4 GHz; Linearity: ± 0.2 dB (30 MHz – 4 GHz)	
Directivity	± 0.2 dB in TSL (rotation around probe axis) ± 0.3 dB in TSL (rotation normal to probe axis)	
Dynamic Range	5 μ W/g – >100 mW/g; Linearity: ± 0.2 dB	
Dimensions	Overall length: 337 mm (tip: 20 mm) Tip diameter: 3.9 mm (body: 12 mm) Distance from probe tip to dipole centers: 3.0 mm	

<EX3DV4 Probe>

Construction	Symmetric design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	
Frequency	4 MHz – >6 GHz Linearity: ± 0.2 dB (30 MHz – 6 GHz)	
Directivity	± 0.3 dB in TSL (rotation around probe axis) ± 0.5 dB in TSL (rotation normal to probe axis)	
Dynamic Range	10 μ W/g – >100 mW/g Linearity: ± 0.2 dB (noise: typically <1 μ W/g)	
Dimensions	Overall length: 337 mm (tip: 20 mm) Tip diameter: 2.5 mm (body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm	

7.3 Data Acquisition Electronics (DAE)

The data acquisition electronics (DAE) consists of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder and control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information as well as an optical uplink for commands and the clock.

The input impedance of the DAE is 200 MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.



Fig 5.1 Photo of DAE

7.4 Phantom

<SAM Twin Phantom>

Shell Thickness	2 ± 0.2 mm; Center ear point: 6 ± 0.2 mm	
Filling Volume	Approx. 25 liters	
Dimensions	Length: 1000 mm; Width: 500 mm; Height: adjustable feet	
Measurement Areas	Left Hand, Right Hand, Flat Phantom	

The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. A white cover is provided to tap the phantom during off-periods to prevent water evaporation and changes in the liquid parameters. On the phantom top, three reference markers are provided to identify the phantom position with respect to the robot.

<ELI Phantom>

Shell Thickness	2 ± 0.2 mm (sagging: <1%)	
Filling Volume	Approx. 30 liters	
Dimensions	Major ellipse axis: 600 mm Minor axis: 400 mm	

The ELI phantom is intended for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI4 is fully compatible with standard and all known tissue simulating liquids.

7.5 Device Holder

<Mounting Device for Hand-Held Transmitter>

In combination with the Twin SAM V5.0/V5.0c or ELI phantoms, the Mounting Device for Hand-Held Transmitters enables rotation of the mounted transmitter device to specified spherical coordinates. At the heads, the rotation axis is at the ear opening. Transmitter devices can be easily and accurately positioned according to IEC 62209-1, IEEE 1528, FCC, or other specifications. The device holder can be locked for positioning at different phantom sections (left head, right head, flat). And upgrade kit to Mounting Device to enable easy mounting of wider devices like big smart-phones, e-books, small tablets, etc. It holds devices with width up to 140 mm.



Mounting Device for Hand-Held Transmitters



Mounting Device Adaptor for Wide-Phones

<Mounting Device for Laptops and other Body-Worn Transmitters>

The extension is lightweight and made of POM, acrylic glass and foam. It fits easily on the upper part of the mounting device in place of the phone positioned. The extension is fully compatible with the SAM Twin and ELI phantoms.



Mounting Device for Laptops

8. Measurement Procedures

The measurement procedures are as follows:

- (a) Use base station simulator to configure EUT WWAN transmission in radiated connection, and engineering software to configure EUT WLAN/BT continuously transmission, at maximum RF power, in the highest power channel.
- (b) Place the EUT in the positions as Appendix D demonstrates.
- (c) Set scan area, grid size and other setting on the DASY software.
- (d) Measure SAR results for the highest power channel on each testing position.
- (e) Find out the largest SAR result on these testing positions of each band
- (f) Measure SAR results for other channels in worst SAR testing position if the reported SAR of highest power channel is larger than 0.8 W/kg

According to the test standard, the recommended procedure for assessing the peak spatial-average SAR value consists of the following steps:

- (a) Power reference measurement
- (b) Area scan
- (c) Zoom scan
- (d) Power drift measurement

8.1 Spatial Peak SAR Evaluation

The procedure for spatial peak SAR evaluation has been implemented according to the test standard. It can be conducted for 1g and 10g, as well as for user-specific masses. The DASY software includes all numerical procedures necessary to evaluate the spatial peak SAR value.

The base for the evaluation is a "cube" measurement. The measured volume must include the 1g and 10g cubes with the highest averaged SAR values. For that purpose, the center of the measured volume is aligned to the interpolated peak SAR value of a previously performed area scan.

The entire evaluation of the spatial peak values is performed within the post-processing engine (SEMCAD). The system always gives the maximum values for the 1g and 10g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages:

- (a) Extraction of the measured data (grid and values) from the Zoom Scan
- (b) Calculation of the SAR value at every measurement point based on all stored data (A/D values and measurement parameters)
- (c) Generation of a high-resolution mesh within the measured volume
- (d) Interpolation of all measured values from the measurement grid to the high-resolution grid
- (e) Extrapolation of the entire 3-D field distribution to the phantom surface over the distance from sensor to surface
- (f) Calculation of the averaged SAR within masses of 1g and 10g

8.2 Power Reference Measurement

The Power Reference Measurement and Power Drift Measurements are for monitoring the power drift of the device under test in the batch process. The minimum distance of probe sensors to surface determines the closest measurement point to phantom surface. This distance cannot be smaller than the distance of sensor calibration points to probe tip as defined in the probe properties.

8.3 Area Scan

The area scan is used as a fast scan in two dimensions to find the area of high field values, before doing a fine measurement around the hot spot. The sophisticated interpolation routines implemented in DASY software can find the maximum found in the scanned area, within a range of the global maximum. The range (in dB0) is specified in the standards for compliance testing. For example, a 2 dB range is required in IEEE standard 1528 and IEC 62209 standards, whereby 3 dB is a requirement when compliance is assessed in accordance with the ARIB standard (Japan), if only one zoom scan follows the area scan, then only the absolute maximum will be taken as reference. For cases where multiple maximums are detected, the number of zoom scans has to be increased accordingly.

Area scan parameters extracted from FCC KDB 865664 D01v01r04 SAR measurement 100 MHz to 6 GHz.

	≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface	5 ± 1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location	$30^\circ \pm 1^\circ$	$20^\circ \pm 1^\circ$
Maximum area scan spatial resolution: Δx_{Area} , Δy_{Area}	≤ 2 GHz: ≤ 15 mm $2 - 3$ GHz: ≤ 12 mm	$3 - 4$ GHz: ≤ 12 mm $4 - 6$ GHz: ≤ 10 mm
	When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be $\leq$ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	

8.4 Zoom Scan

Zoom scans are used to assess the peak spatial SAR values within a cubic averaging volume containing 1 gram and 10 gram of simulated tissue. The zoom scan measures points (refer to table below) within a cube whose base faces are centered on the maxima found in a preceding area scan job within the same procedure. When the measurement is done, the zoom scan evaluates the averaged SAR for 1 gram and 10 gram and displays these values next to the job's label.

Zoom scan parameters extracted from FCC KDB 865664 D01v01r04 SAR measurement 100 MHz to 6 GHz.

			≤ 3 GHz	> 3 GHz
Maximum zoom scan spatial resolution: $\Delta x_{\text{Zoom}}, \Delta y_{\text{Zoom}}$			≤ 2 GHz: ≤ 8 mm $2 - 3$ GHz: ≤ 5 mm*	$3 - 4$ GHz: ≤ 5 mm* $4 - 6$ GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{\text{Zoom}}(n)$		≤ 5 mm	$3 - 4$ GHz: ≤ 4 mm $4 - 5$ GHz: ≤ 3 mm $5 - 6$ GHz: ≤ 2 mm
	graded grid	$\Delta z_{\text{Zoom}}(1)$: between 1 st two points closest to phantom surface	≤ 4 mm	$3 - 4$ GHz: ≤ 3 mm $4 - 5$ GHz: ≤ 2.5 mm $5 - 6$ GHz: ≤ 2 mm
		$\Delta z_{\text{Zoom}}(n>1)$: between subsequent points	$\leq 1.5 \cdot \Delta z_{\text{Zoom}}(n-1)$	
Minimum zoom scan volume	x, y, z		≥ 30 mm	$3 - 4$ GHz: ≥ 28 mm $4 - 5$ GHz: ≥ 25 mm $5 - 6$ GHz: ≥ 22 mm
Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.				
* When zoom scan is required and the <i>reported</i> SAR from the <i>area scan based 1-g SAR estimation</i> procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.				

8.5 Volume Scan Procedures

The volume scan is used to assess overlapping SAR distributions for antennas transmitting in different frequency bands. It is equivalent to an oversized zoom scan used in standalone measurements. The measurement volume will be used to enclose all the simultaneous transmitting antennas. For antennas transmitting simultaneously in different frequency bands, the volume scan is measured separately in each frequency band. In order to sum correctly to compute the 1g aggregate SAR, the EUT remain in the same test position for all measurements and all volume scan use the same spatial resolution and grid spacing. When all volume scan were completed, the software, SEMCAD postprocessor can combine and subsequently superpose these measurement data to calculating the multiband SAR.

8.6 Power Drift Monitoring

All SAR testing is under the EUT install full charged battery and transmit maximum output power. In DASy measurement software, the power reference measurement and power drift measurement procedures are used for monitoring the power drift of EUT during SAR test. Both these procedures measure the field at a specified reference position before and after the SAR testing. The software will calculate the field difference in dB. If the power drifts more than 5%, the SAR will be retested.

9. Test Equipment List

Manufacturer	Name of Equipment	Type/Model	Serial Number	Calibration	
				Last Cal.	Due Date
SPEAG	750MHz System Validation Kit ⁽²⁾	D750V3	1107	Jun. 22, 2022	Jun. 19, 2025
SPEAG	835MHz System Validation Kit	D835V2	499	Aug. 22, 2024	Aug. 21, 2025
SPEAG	835MHz System Validation Kit ⁽²⁾	D835V2	4d167	Nov. 24, 2022	Nov. 21, 2025
SPEAG	1640MHz System Validation Kit ⁽²⁾	D1640V2	346	Aug. 19, 2022	Aug. 16, 2025
SPEAG	1750MHz System Validation Kit ⁽²⁾	D1750V2	1120	Mar. 25, 2022	Mar. 22, 2025
SPEAG	1750MHz System Validation Kit ⁽²⁾	D1750V2	1112	Jun. 22, 2022	Jun. 19, 2025
SPEAG	1900MHz System Validation Kit ⁽²⁾	D1900V2	5d093	Mar. 25, 2022	Mar. 22, 2025
SPEAG	1900MHz System Validation Kit ⁽²⁾	D1900V2	5d185	Jun. 17, 2022	Jun. 14, 2025
SPEAG	2000MHz System Validation Kit	D2000V2	1010	Aug. 16, 2024	Aug. 15, 2025
SPEAG	2300MHz System Validation Kit ⁽²⁾	D2300V2	1006	Jan. 18, 2022	Jan. 15, 2025
SPEAG	2300MHz System Validation Kit	D2300V2	1088	Jul. 10, 2024	Jul. 09, 2025
SPEAG	2450MHz System Validation Kit ⁽²⁾	D2450V2	929	Nov. 21, 2022	Nov. 18, 2025
SPEAG	2450MHz System Validation Kit ⁽²⁾	D2450V2	806	Mar. 24, 2022	Mar. 21, 2025
SPEAG	2600MHz System Validation Kit	D2600V2	1008	Aug. 15, 2024	Aug. 14, 2025
SPEAG	2600MHz System Validation Kit ⁽²⁾	D2600V2	1078	Jun. 23, 2022	Jun. 20, 2025
SPEAG	2600MHz System Validation Kit ⁽²⁾	D2600V2	1089	Mar. 24, 2022	Mar. 21, 2025
SPEAG	3500MHz System Validation Kit ⁽²⁾	D3500V2	1014	Jan. 17, 2022	Jan. 14, 2025
SPEAG	3500MHz System Validation Kit ⁽²⁾	D3500V2	1036	Mar. 23, 2022	Mar. 20, 2025
SPEAG	3700MHz System Validation Kit ⁽²⁾	D3700V2	1006	Jun. 20, 2022	Jun. 17, 2025
SPEAG	3700MHz System Validation Kit	D3700V2	1022	Jul. 10, 2024	Jul. 09, 2025
SPEAG	3900MHz System Validation Kit ⁽²⁾	D3900V2	1092	May. 15, 2023	May. 13, 2025
SPEAG	5GHz System Validation Kit	D5GHzV2	1006	Oct. 15, 2024	Oct. 14, 2025
SPEAG	5GHz System Validation Kit	D5GHzV2	1128	Sep. 17, 2024	Sep. 16, 2025
SPEAG	6500MHz System Validation Kit	D6.5GHzV2	1003	Mar. 15, 2024	Mar. 14, 2025
SPEAG	6500MHz System Validation Kit	D6.5GHzV2	1083	Oct. 17, 2024	Oct. 16, 2025
SPEAG	13MHz System Validation Kit ⁽²⁾	CLA13	1011	Jul. 10, 2023	Jul. 08, 2025
SPEAG	5G Verification Source	10GHz	1052	Oct. 16, 2024	Oct. 15, 2025
SPEAG	EUmmWV Probe Tip Protection	EUmmWV4	9461	Oct. 16, 2024	Oct. 15, 2025
SPEAG	Data Acquisition Electronics	DAE4	656	Jan. 16, 2025	Jan. 15, 2026
SPEAG	Data Acquisition Electronics	DAE4	661	May. 16, 2024	May. 15, 2025
SPEAG	Data Acquisition Electronics	DAE4	703	Apr. 22, 2024	Apr. 21, 2025
SPEAG	Data Acquisition Electronics	DAE4	1399	Mar. 13, 2024	Mar. 12, 2025
SPEAG	Data Acquisition Electronics	DAE4	1424	Dec. 19, 2024	Dec. 18, 2025
SPEAG	Data Acquisition Electronics	DAE4	1647	Oct. 15, 2024	Oct. 14, 2025
SPEAG	Data Acquisition Electronics	DAE4	1694	Nov. 19, 2024	Nov. 18, 2025
SPEAG	Data Acquisition Electronics	DAE4	1697	Nov. 14, 2024	Nov. 13, 2025
SPEAG	Data Acquisition Electronics	DAE4	1707	Dec. 04, 2024	Dec. 03, 2025
SPEAG	Data Acquisition Electronics	DAE4	1794	Feb. 15, 2024	Feb. 14, 2025
SPEAG	Data Acquisition Electronics	DAE4ip	1800	Jun. 18, 2024	Jun. 17, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	3931	Nov. 19, 2024	Nov. 18, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	7439	Aug. 21, 2024	Aug. 20, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	7590	Mar. 19, 2024	Mar. 18, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	7625	Dec. 13, 2024	Dec. 12, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	7694	Nov. 18, 2024	Nov. 17, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	7695	Dec. 02, 2024	Dec. 01, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	7700	Jan. 22, 2025	Jan. 21, 2026
SPEAG	Dosimetric E-Field Probe	EX3DV4	7785	Nov. 28, 2024	Nov. 27, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	7793	Mar. 01, 2024	Feb. 28, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	7814	Jun. 20, 2024	Jun. 19, 2025
Testo	Hygro meter	608-H1	45196600	Oct. 28, 2024	Oct. 27, 2025
Anritsu	Radio Communication Analyzer	MT8821C	6201341950	Nov. 12, 2024	Nov. 11, 2025
Keysight	5G Wireless Test Platform	E7515B	MY58300712	Apr. 22, 2024	Apr. 21, 2025

R&S	BT Base Station	CBT	101136	Oct. 20, 2024	Oct. 19, 2025
SPEAG	Device Holder	N/A	N/A	N/A	N/A
Anritsu	Signal Generator	MG3710A	6201502524	Sep. 24, 2024	Sep. 23, 2025
Keysight	ENA Network Analyzer	E5071C	MY46104758	Oct. 20, 2024	Oct. 19, 2025
SPEAG	Dielectric Probe Kit	DAK-3.5	1126	Sep. 17, 2024	Sep. 16, 2025
SPEAG	Dielectric Probe Kit	DAK-12	1156	Jul. 15, 2024	Jul. 14, 2025
LINE SEIKI	Digital Thermometer	DTM3000-spezial	3690	Aug. 07, 2024	Aug. 06, 2025
Anritsu	Power Meter	ML2495A	1419002	Aug. 13, 2024	Aug. 12, 2025
Anritsu	Power Sensor	MA2411B	1911176	Aug. 13, 2024	Aug. 12, 2025
Anritsu	Spectrum Analyzer	MS2830A	6201396378	Jul. 09, 2024	Jul. 08, 2025
Mini-Circuits	Power Amplifier	ZVE-8G+	6418	Oct. 23, 2024	Oct. 22, 2025
ATM	Dual Directional Coupler	C122H-10	P610410z-02	Note 1	
Warison	Directional Coupler	WCOU-10-50S-10	WR889BMC4B1	Note 1	
Woken	Attenuator 1	WK0602-XX	N/A	Note 1	
PE	Attenuator 2	PE7005-10	N/A	Note 1	
PE	Attenuator 3	PE7005- 3	N/A	Note 1	

General Note:

1. Prior to system verification and validation, the path loss from the signal generator to the system check source and the power meter, which includes the amplifier, cable, attenuator and directional coupler, was measured by the network analyzer. The reading of the power meter was offset by the path loss difference between the path to the power meter and the path to the system check source to monitor the actual power level fed to the system check source.
2. The dipole calibration interval can be extended to 3 years with justification according to KDB 865664 D01. The dipoles are also not physically damaged, or repaired during the interval. The justification data in appendix C can be found which the return loss is < -20dB, within 20% of prior calibration, the impedance is within 5 ohm of prior calibration for each dipole.

10. System Verification

10.1 Tissue Verification

The tissue dielectric parameters of tissue-equivalent media used for SAR measurements must be characterized within a temperature range of 18°C to 25°C, measured with calibrated instruments and apparatuses, such as network analyzers and temperature probes. The temperature of the tissue-equivalent medium during SAR measurement must also be within 18°C to 25°C and within $\pm 2^\circ\text{C}$ of the temperature when the tissue parameters are characterized. The tissue dielectric measurement system must be calibrated before use. The dielectric parameters must be measured before the tissue-equivalent medium is used in a series of SAR measurements.

The liquid tissue depth was at least 15cm in the phantom for all SAR testing

<Tissue Dielectric Parameter Check Results>

Frequency (MHz)	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (ϵ_r)	Conductivity Target (σ)	Permittivity Target (ϵ_r)	Delta (σ) (%)	Delta (ϵ_r) (%)	Limit (%)	Date
750	22.7	0.892	43.000	0.89	41.90	0.22	2.63	± 5	2025/1/22
750	22.6	0.883	41.800	0.89	41.90	-0.79	-0.24	± 5	2025/1/23
750	22.4	0.908	42.300	0.89	41.90	2.02	0.95	± 5	2025/1/24
750	22.5	0.898	42.200	0.89	41.90	0.90	0.72	± 5	2025/1/25
750	22.5	0.893	41.400	0.89	41.90	0.34	-1.19	± 5	2025/1/28
750	22.5	0.906	42.300	0.89	41.90	1.80	0.95	± 5	2025/1/30
750	22.5	0.886	41.800	0.89	41.90	-0.45	-0.24	± 5	2025/1/31
750	22.7	0.904	42.200	0.89	41.90	1.57	0.72	± 5	2025/2/1
750	22.6	0.888	41.800	0.89	41.90	-0.22	-0.24	± 5	2025/2/6
750	22.6	0.889	42.000	0.89	41.90	-0.11	0.24	± 5	2025/2/7
750	22.6	0.893	42.100	0.89	41.90	0.34	0.48	± 5	2025/2/12
750	22.6	0.892	43.100	0.89	41.90	0.22	2.86	± 5	2025/2/19
750	22.4	0.882	43.000	0.89	41.90	-0.90	2.63	± 5	2025/2/24
750	22.8	0.891	42.4	0.89	41.90	0.11	1.19	± 5	2025/3/9
835	22.5	0.916	41.500	0.90	41.50	1.78	0.00	± 5	2025/1/23
835	22.4	0.944	42.400	0.90	41.50	4.89	2.17	± 5	2025/1/24
835	22.5	0.932	41.900	0.90	41.50	3.56	0.96	± 5	2025/1/25
835	22.5	0.942	42.000	0.90	41.50	4.67	1.20	± 5	2025/1/30
835	22.5	0.920	41.500	0.90	41.50	2.22	0.00	± 5	2025/1/31
835	22.7	0.940	42.300	0.90	41.50	4.44	1.93	± 5	2025/2/1
835	22.3	0.928	41.900	0.90	41.50	3.11	0.96	± 5	2025/2/3
835	22.6	0.922	41.500	0.90	41.50	2.44	0.00	± 5	2025/2/6
835	22.6	0.928	41.800	0.90	41.50	3.11	0.72	± 5	2025/2/12
835	22.6	0.926	42.700	0.90	41.50	2.89	2.89	± 5	2025/2/19
835	22.1	0.928	42.900	0.90	41.50	3.11	3.37	± 5	2025/2/21
835	22.4	0.911	42.600	0.90	41.50	1.22	2.65	± 5	2025/2/24
835	22.8	0.926	42.1	0.90	41.50	2.89	1.45	± 5	2025/3/9
1640	22.3	1.270	39.900	1.31	40.23	-3.05	-0.82	± 5	2025/2/19
1750	22.5	1.370	40.700	1.37	40.10	0.00	1.50	± 5	2025/2/3
1750	22.3	1.380	40.200	1.37	40.10	0.73	0.25	± 5	2025/2/6
1750	22	1.370	40.600	1.37	40.10	0.00	1.25	± 5	2025/2/10
1750	22.1	1.380	40.800	1.37	40.10	0.73	1.75	± 5	2025/2/11
1750	22.8	1.350	40.500	1.37	40.10	-1.46	1.00	± 5	2025/2/13
1750	22.6	1.370	40.500	1.37	40.10	0.00	1.00	± 5	2025/2/20
1750	22.2	1.360	40.100	1.37	40.10	-0.73	0.00	± 5	2025/2/22
1750	22.5	1.36	41.1	1.37	40.10	-0.73	2.49	± 5	2025/2/25
1750	22.6	1.35	40.3	1.37	40.10	-1.46	0.50	± 5	2025/2/25
1750	22.6	1.36	40.8	1.37	40.10	-0.73	1.75	± 5	2025/2/26
1750	22.6	1.34	39.3	1.37	40.10	-2.19	-2.00	± 5	2025/2/26
1750	22.8	1.35	40.8	1.37	40.10	-1.46	1.75	± 5	2025/3/8
1900	22.4	1.430	39.000	1.40	40.00	2.14	-2.50	± 5	2025/2/2
1900	22.5	1.390	40.500	1.40	40.00	-0.71	1.25	± 5	2025/2/3



FCC SAR TEST REPORT

Report No. : FA4N0919C

1900	22.4	1.390	40.700	1.40	40.00	-0.71	1.75	±5	2025/2/4
1900	22.1	1.400	40.600	1.40	40.00	0.00	1.50	±5	2025/2/11
1900	22.6	1.390	40.200	1.40	40.00	-0.71	0.50	±5	2025/2/20
1900	22.2	1.420	40.100	1.40	40.00	1.43	0.25	±5	2025/2/22
1900	22.5	1.44	39.6	1.40	40.00	2.86	-1.00	±5	2025/2/25
1900	22.6	1.42	38.7	1.40	40.00	1.43	-3.25	±5	2025/2/25
1900	22.6	1.43	39.9	1.40	40.00	2.14	-0.25	±5	2025/2/26
1900	22.5	1.43	39.1	1.40	40.00	2.14	-2.25	±5	2025/2/27
1900	22.6	1.39	40.6	1.40	40.00	-0.71	1.50	±5	2025/3/4
1900	22.8	1.43	39.3	1.40	40.00	2.14	-1.75	±5	2025/3/8
2000	22.3	1.440	39.100	1.40	40.00	2.86	-2.25	±5	2025/2/19
2300	22.3	1.610	39.100	1.67	39.50	-3.59	-1.01	±5	2025/2/6
2300	22.6	1.700	39.000	1.67	39.50	1.80	-1.27	±5	2025/2/9
2300	22.5	1.640	40.100	1.67	39.50	-1.80	1.52	±5	2025/2/18
2300	22.3	1.680	40.400	1.67	39.50	0.60	2.28	±5	2025/2/23
2300	22.6	1.62	39.1	1.67	39.50	-2.99	-1.01	±5	2025/3/2
2600	22.6	1.940	38.500	1.96	39.00	-1.02	-1.28	±5	2025/2/7
2600	22.6	1.920	38.400	1.96	39.00	-2.04	-1.54	±5	2025/2/9
2600	22.5	1.930	38.600	1.96	39.00	-1.53	-1.03	±5	2025/2/15
2600	22.5	1.980	38.900	1.96	39.00	1.02	-0.26	±5	2025/2/18
2600	22.7	1.94	39.4	1.96	39.00	-1.02	1.03	±5	2025/2/21
2600	22.7	1.98	38.6	1.96	39.00	1.02	-1.03	±5	2025/2/22
2600	22.3	2.000	39.200	1.96	39.00	2.04	0.51	±5	2025/2/23
2600	22.7	2	38.7	1.96	39.00	2.04	-0.77	±5	2025/2/24
2600	22.6	1.96	38	1.96	39.00	0.00	-2.56	±5	2025/3/2
2600	22.5	1.99	38.9	1.96	39.00	1.53	-0.26	±5	2025/3/5
2600	22.8	1.97	38.7	1.96	39.00	0.51	-0.77	±5	2025/3/7
3500	22.5	2.980	37.700	2.91	37.90	2.41	-0.53	±5	2025/1/25
3500	22.6	2.930	37.500	2.91	37.90	0.69	-1.06	±5	2025/1/26
3500	22.5	2.940	37.900	2.91	37.90	1.03	0.00	±5	2025/2/5
3500	22.2	3.010	37.600	2.91	37.90	3.44	-0.79	±5	2025/2/14
3500	22.6	2.970	37.700	2.91	37.90	2.06	-0.53	±5	2025/2/16
3500	22.6	2.850	37.400	2.91	37.90	-2.06	-1.32	±5	2025/2/17
3500	22.6	2.96	37.7	2.91	37.90	1.72	-0.53	±5	2025/2/24
3500	22.6	2.97	37.8	2.91	37.90	2.06	-0.26	±5	2025/3/3
3500	22.6	2.96	38.3	2.91	37.90	1.72	1.06	±5	2025/3/13
3500	22.7	2.92	38	2.91	37.90	0.34	0.26	±5	2025/3/17
3700	22.5	3.160	37.400	3.12	37.70	1.28	-0.80	±5	2025/1/25
3700	22.6	3.120	37.200	3.12	37.70	0.00	-1.33	±5	2025/1/26
3700	22.5	3.110	37.700	3.12	37.70	-0.32	0.00	±5	2025/2/5
3700	22.6	3.010	37.700	3.12	37.70	-3.53	0.00	±5	2025/2/8
3700	22.2	3.200	37.200	3.12	37.70	2.56	-1.33	±5	2025/2/14
3700	22.6	3.180	37.500	3.12	37.70	1.92	-0.53	±5	2025/2/16
3700	22.6	3.030	37.100	3.12	37.70	-2.88	-1.59	±5	2025/2/17
3700	22.6	3.15	37.4	3.12	37.70	0.96	-0.80	±5	2025/2/24
3700	22.6	3.16	37.5	3.12	37.70	1.28	-0.53	±5	2025/3/3
3700	22.6	3.17	38.1	3.12	37.70	1.60	1.06	±5	2025/3/13
3700	22.7	3.1	37.7	3.12	37.70	-0.64	0.00	±5	2025/3/17
3900	22.5	3.370	37.100	3.33	37.51	1.20	-1.09	±5	2025/1/25
3900	22.6	3.320	36.900	3.33	37.51	-0.30	-1.63	±5	2025/1/26
3900	22.2	3.380	37.100	3.33	37.51	1.50	-1.09	±5	2025/2/14
3900	22.6	3.390	37.300	3.33	37.51	1.80	-0.56	±5	2025/2/16
3900	22.6	3.220	36.800	3.33	37.51	-3.30	-1.89	±5	2025/2/17
3900	22.6	3.35	37.1	3.33	37.51	0.60	-1.09	±5	2025/2/24
3900	22.6	3.36	37.2	3.33	37.51	0.90	-0.83	±5	2025/3/3
13	22.5	0.757	53.459	0.75	55.00	0.93	-2.80	±5	2025/2/26



FCC SAR TEST REPORT

Report No. : FA4N0919C

2450	22.6	1.810	39.100	1.80	39.20	0.56	-0.26	±5	2025/1/31
2450	22.7	1.820	38.300	1.80	39.20	1.11	-2.30	±5	2025/2/3
2450	22.6	1.860	38.600	1.80	39.20	3.33	-1.53	±5	2025/2/4
2450	22.6	1.780	38.700	1.80	39.20	-1.11	-1.28	±5	2025/2/4
2450	22.6	1.830	38.400	1.80	39.20	1.67	-2.04	±5	2025/2/5
2450	22.6	1.790	39.200	1.80	39.20	-0.56	0.00	±5	2025/2/6
2450	22.6	1.760	39.000	1.80	39.20	-2.22	-0.51	±5	2025/2/9
2450	22.6	1.790	39.300	1.80	39.20	-0.56	0.26	±5	2025/2/15
2450	22.8	1.800	39.300	1.80	39.20	0.00	0.26	±5	2025/3/7
2450	22.8	1.790	39.500	1.80	39.20	-0.56	0.77	±5	2025/3/12
5250	22.6	4.690	37.100	4.71	35.95	-0.42	3.20	±5	2025/2/1
5250	22.6	4.780	36.900	4.71	35.95	1.49	2.64	±5	2025/2/6
5250	22.6	4.850	37.100	4.71	35.95	2.97	3.20	±5	2025/2/7
5250	22.6	4.570	35.800	4.71	35.95	-2.97	-0.42	±5	2025/2/9
5250	22.3	4.820	36.000	4.71	35.95	2.34	0.14	±5	2025/2/10
5250	22.6	4.590	35.500	4.71	35.95	-2.55	-1.25	±5	2025/2/11
5250	22.6	4.650	35.800	4.71	35.95	-1.27	-0.42	±5	2025/2/13
5250	22.5	4.600	36.400	4.71	35.95	-2.34	1.25	±5	2025/2/26
5250	22.8	4.730	36.800	4.71	35.95	0.42	2.36	±5	2025/3/3
5250	22.7	4.670	36.500	4.71	35.95	-0.85	1.53	±5	2025/3/13
5600	22.6	5.080	36.300	5.07	35.50	0.20	2.25	±5	2025/2/1
5600	22.6	5.110	35.000	5.07	35.50	0.79	-1.41	±5	2025/2/4
5600	22.6	5.160	36.300	5.07	35.50	1.78	2.25	±5	2025/2/6
5600	22.6	5.240	36.600	5.07	35.50	3.35	3.10	±5	2025/2/7
5600	22.6	4.940	35.300	5.07	35.50	-2.56	-0.56	±5	2025/2/9
5600	22.3	5.160	35.600	5.07	35.50	1.78	0.28	±5	2025/2/10
5600	22.6	4.980	34.900	5.07	35.50	-1.78	-1.69	±5	2025/2/11
5600	22.6	5.050	35.200	5.07	35.50	-0.39	-0.85	±5	2025/2/13
5600	22.5	4.950	35.900	5.07	35.50	-2.37	1.13	±5	2025/2/26
5600	22.8	5.080	36.300	5.07	35.50	0.20	2.25	±5	2025/3/3
5600	22.7	5.030	35.900	5.07	35.50	-0.79	1.13	±5	2025/3/13
5800	22.6	5.260	36.100	5.27	35.30	-0.19	2.27	±5	2025/2/1
5800	22.6	5.350	34.600	5.27	35.30	1.52	-1.98	±5	2025/2/4
5800	22.6	5.440	35.900	5.27	35.30	3.23	1.70	±5	2025/2/5
5800	22.6	5.450	36.300	5.27	35.30	3.42	2.83	±5	2025/2/7
5800	22.6	5.150	35.100	5.27	35.30	-2.28	-0.57	±5	2025/2/9
5800	22.3	5.370	35.300	5.27	35.30	1.90	0.00	±5	2025/2/10
5800	22.6	5.220	34.500	5.27	35.30	-0.95	-2.27	±5	2025/2/11
5800	22.6	5.300	34.800	5.27	35.30	0.57	-1.42	±5	2025/2/13
5800	22.5	5.150	35.600	5.27	35.30	-2.28	0.85	±5	2025/2/26
5800	22.8	5.290	36.000	5.27	35.30	0.38	1.98	±5	2025/3/3
5800	22.7	5.240	35.700	5.27	35.30	-0.57	1.13	±5	2025/3/13
6500	22.6	6.150	34.500	6.07	34.50	1.32	0.00	±5	2025/2/17
6500	22.6	6.200	34.700	6.07	34.50	2.14	0.58	±5	2025/2/18
6500	22.6	6.260	34.800	6.07	34.50	3.13	0.87	±5	2025/2/19
6500	22.4	6.310	35.000	6.07	34.50	3.95	1.45	±5	2025/2/20
6500	22.5	6.150	35.100	6.07	34.50	1.32	1.74	±5	2025/3/5
6500	22.6	6.020	34.500	6.07	34.50	-0.82	0.00	±5	2025/3/14
6500	22.6	6.080	34.700	6.07	34.50	0.16	0.58	±5	2025/3/18
6500	22.6	6.030	34.600	6.07	34.50	-0.66	0.29	±5	2025/3/19



10.2 System Performance Check Results

Comparing to the original SAR value provided by SPEAG, the verification data should be within its specification of 10 %. Below table shows the target SAR and measured SAR after normalized to 1W input power. The table below indicates the system performance check can meet the variation criterion and the plots can be referred to Appendix A of this report.

Test Site	Date	Frequency (MHz)	Input Power (mW)	Dipole S/N	Probe S/N	DAE S/N	Measured 1g SAR (W/kg)	Targeted 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Measured 10g SAR (W/kg)	Targeted 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (%)
SAR-19	2025/1/22	750	250	D750V3-1107	EX3DV4 - SN7695	DAE4 Sn1707	1.960	8.540	7.84	-8.20	1.330	5.570	5.32	-4.49
SAR-19	2025/1/23	750	250	D750V3-1107	EX3DV4 - SN7695	DAE4 Sn1707	2.120	8.540	8.48	-0.70	1.440	5.570	5.76	3.41
SAR-19	2025/1/24	750	250	D750V3-1107	EX3DV4 - SN7695	DAE4 Sn1707	2.070	8.540	8.28	-3.04	1.400	5.570	5.6	0.54
SAR-19	2025/1/25	750	250	D750V3-1107	EX3DV4 - SN7695	DAE4 Sn1707	1.950	8.540	7.8	-8.67	1.320	5.570	5.28	-5.21
SAR-21	2025/1/28	750	250	D750V3-1107	EX3DV4 - SN7694	DAE4 Sn1697	2.190	8.540	8.76	2.58	1.480	5.570	5.92	6.28
SAR-21	2025/1/30	750	250	D750V3-1107	EX3DV4 - SN7694	DAE4 Sn1697	2.090	8.540	8.36	-2.11	1.410	5.570	5.64	1.26
SAR-21	2025/1/31	750	250	D750V3-1107	EX3DV4 - SN7694	DAE4 Sn1697	1.960	8.540	7.84	-8.20	1.320	5.570	5.28	-5.21
SAR-21	2025/2/1	750	250	D750V3-1107	EX3DV4 - SN7694	DAE4 Sn1697	2.070	8.540	8.28	-3.04	1.390	5.570	5.56	-0.18
SAR-19	2025/2/6	750	250	D750V3-1107	EX3DV4 - SN7695	DAE4 Sn1707	1.970	8.540	7.88	-7.73	1.340	5.570	5.36	-3.77
SAR-19	2025/2/7	750	250	D750V3-1107	EX3DV4 - SN7695	DAE4 Sn1707	2.130	8.540	8.52	-0.23	1.440	5.570	5.76	3.41
SAR-19	2025/2/12	750	250	D750V3-1107	EX3DV4 - SN7695	DAE4 Sn1707	2.050	8.540	8.2	-3.98	1.390	5.570	5.56	-0.18
SAR-19	2025/2/19	750	250	D750V3-1107	EX3DV4 - SN7695	DAE4 Sn1707	2.100	8.540	8.4	-1.64	1.420	5.570	5.68	1.97
SAR-19	2025/2/24	750	250	D750V3-1107	EX3DV4 - SN7695	DAE4 Sn1707	1.940	8.540	7.76	-9.13	1.310	5.570	5.24	-5.92
SAR-16	2025/3/9	750	250	D750V3-1107	EX3DV4 - SN7700	DAE4 Sn656	2.320	8.540	9.28	8.67	1.460	5.570	5.84	4.85
SAR-19	2025/1/23	835	250	D835V2-4d167	EX3DV4 - SN7695	DAE4 Sn1707	2.460	9.800	9.84	0.41	1.640	6.380	6.56	2.82
SAR-19	2025/1/24	835	250	D835V2-4d167	EX3DV4 - SN7695	DAE4 Sn1707	2.460	9.800	9.84	0.41	1.650	6.380	6.6	3.45
SAR-19	2025/1/25	835	250	D835V2-4d167	EX3DV4 - SN7695	DAE4 Sn1707	2.330	9.800	9.32	-4.90	1.560	6.380	6.24	-2.19
SAR-21	2025/1/30	835	250	D835V2-4d167	EX3DV4 - SN7694	DAE4 Sn1697	2.620	9.800	10.48	6.94	1.740	6.380	6.96	9.09
SAR-21	2025/1/31	835	250	D835V2-4d167	EX3DV4 - SN7694	DAE4 Sn1697	2.450	9.800	9.8	0.00	1.630	6.380	6.52	2.19
SAR-21	2025/2/1	835	250	D835V2-4d167	EX3DV4 - SN7694	DAE4 Sn1697	2.570	9.800	10.28	4.90	1.700	6.380	6.8	6.58
SAR-21	2025/2/3	835	250	D835V2-4d167	EX3DV4 - SN7694	DAE4 Sn1697	2.500	9.800	10	2.04	1.660	6.380	6.64	4.08
SAR-19	2025/2/6	835	250	D835V2-499	EX3DV4 - SN7695	DAE4 Sn1707	2.410	9.680	9.64	-0.41	1.600	6.280	6.4	1.91
SAR-19	2025/2/12	835	250	D835V2-4d167	EX3DV4 - SN7695	DAE4 Sn1707	2.470	9.800	9.88	0.82	1.650	6.380	6.6	3.45
SAR-19	2025/2/19	835	250	D835V2-4d167	EX3DV4 - SN7695	DAE4 Sn1707	2.460	9.800	9.84	0.41	1.650	6.380	6.6	3.45
SAR-19	2025/2/21	835	250	D835V2-4d167	EX3DV4 - SN7695	DAE4 Sn1707	2.480	9.800	9.92	1.22	1.660	6.380	6.64	4.08
SAR-19	2025/2/24	835	250	D835V2-4d167	EX3DV4 - SN7695	DAE4 Sn1707	2.460	9.800	9.84	0.41	1.640	6.380	6.56	2.82
SAR-16	2025/3/9	835	250	D835V2-4d167	EX3DV4 - SN7700	DAE4 Sn656	2.520	9.800	10.08	2.86	1.680	6.380	6.72	5.33
SAR-20	2025/2/19	1640	50	D1640V2-346	EX3DV4 - SN7785	DAE4 Sn1694	1.640	34.600	32.8	-5.20	0.910	18.600	18.2	-2.15
SAR-20	2025/2/3	1750	50	D1750V2-1120	EX3DV4 - SN7785	DAE4 Sn1694	1.740	36.400	34.8	-4.40	0.954	19.100	19.08	-0.10
SAR-18	2025/2/6	1750	50	D1750V2-1112	EX3DV4 - SN7625	DAE4ip Sn1800	1.860	36.900	37.2	0.81	0.999	19.400	19.98	2.99
SAR-19	2025/2/10	1750	50	D1750V2-1112	EX3DV4 - SN7695	DAE4 Sn1707	1.920	36.900	38.4	4.07	1.030	19.400	20.6	6.19
SAR-19	2025/2/11	1750	50	D1750V2-1120	EX3DV4 - SN7695	DAE4 Sn1707	1.680	36.400	33.6	-7.69	0.904	19.100	18.08	-5.34
SAR-19	2025/2/13	1750	50	D1750V2-1120	EX3DV4 - SN7695	DAE4 Sn1707	1.760	36.400	35.2	-3.30	0.945	19.100	18.9	-1.05
SAR-19	2025/2/20	1750	50	D1750V2-1120	EX3DV4 - SN7695	DAE4 Sn1707	1.700	36.400	34	-6.59	0.915	19.100	18.3	-4.19
SAR-19	2025/2/22	1750	50	D1750V2-1120	EX3DV4 - SN7695	DAE4 Sn1707	1.690	36.400	33.8	-7.14	0.911	19.100	18.22	-4.61
SAR-19	2025/2/25	1750	50	D1750V2-1120	EX3DV4 - SN7695	DAE4 Sn1707	1.790	36.400	35.8	-1.65	0.957	19.100	19.14	0.21
SAR-17	2025/2/25	1750	50	D1750V2-1120	EX3DV4 - SN7590	DAE4 Sn1399	1.770	36.400	35.4	-2.75	0.961	19.100	19.22	0.63
SAR-19	2025/2/26	1750	50	D1750V2-1120	EX3DV4 - SN7695	DAE4 Sn1707	1.690	36.400	33.8	-7.14	0.912	19.100	18.24	-4.50
SAR-19	2025/2/26	1750	50	D1750V2-1120	EX3DV4 - SN7695	DAE4 Sn1707	1.650	36.400	33	-9.34	0.892	19.100	17.84	-6.60
SAR-16	2025/3/8	1750	50	D1750V2-1112	EX3DV4 - SN7700	DAE4 Sn656	1.770	36.900	35.4	-4.07	0.965	19.400	19.3	-0.52
SAR-21	2025/2/2	1900	50	D1900V2-5d185	EX3DV4 - SN7694	DAE4 Sn1697	1.850	39.000	37	-5.13	0.971	20.400	19.42	-4.80
SAR-20	2025/2/3	1900	50	D1900V2-5d185	EX3DV4 - SN7785	DAE4 Sn1694	1.900	39.000	38	-2.56	1.000	20.400	20	-1.96
SAR-19	2025/2/4	1900	50	D1900V2-5d185	EX3DV4 - SN7695	DAE4 Sn1707	1.880	39.000	37.6	-3.59	0.979	20.400	19.58	-4.02
SAR-19	2025/2/11	1900	50	D1900V2-5d093	EX3DV4 - SN7695	DAE4 Sn1707	1.840	39.900	36.8	-7.77	0.964	20.700	19.28	-6.86
SAR-19	2025/2/20	1900	50	D1900V2-5d093	EX3DV4 - SN7695	DAE4 Sn1707	1.820	39.900	36.4	-8.77	0.957	20.700	19.14	-7.54
SAR-19	2025/2/22	1900	50	D1900V2-5d093	EX3DV4 - SN7695	DAE4 Sn1707	1.890	39.900	37.8	-5.26	0.992	20.700	19.84	-4.15
SAR-19	2025/2/25	1900	50	D1900V2-5d093	EX3DV4 - SN7695	DAE4 Sn1707	1.920	39.900	38.4	-3.76	0.999	20.700	19.98	-3.48
SAR-17	2025/2/25	1900	50	D1900V2-5d093	EX3DV4 - SN7590	DAE4 Sn1399	1.920	39.900	38.4	-3.76	1.010	20.700	20.2	-2.42
SAR-19	2025/2/26	1900	50	D1900V2-5d093	EX3DV4 - SN7695	DAE4 Sn1707	1.910	39.900	38.2	-4.26	1.000	20.700	20	-3.38



FCC SAR TEST REPORT

Report No. : FA4N0919C

SAR-19	2025/2/27	1900	50	D1900V2-5d093	EX3DV4 - SN7695	DAE4 Sn1707	1.900	39.900	38	-4.76	0.998	20.700	19.96	-3.57
SAR-19	2025/3/4	1900	50	D1900V2-5d093	EX3DV4 - SN7695	DAE4 Sn1707	1.830	39.900	36.6	-8.27	0.958	20.700	19.16	-7.44
SAR-16	2025/3/8	1900	50	D1900V2-5d185	EX3DV4 - SN7700	DAE4 Sn656	2.020	39.000	40.4	3.59	1.070	20.400	21.4	4.90
SAR-20	2025/2/19	2000	50	D2000V2-1010	EX3DV4 - SN7785	DAE4 Sn1694	2.280	41.900	45.6	8.83	1.160	21.700	23.2	6.91
SAR-18	2025/2/6	2300	50	D2300V2-1006	EX3DV4 - SN7625	DAE4ip Sn1800	2.280	48.200	45.6	-5.39	1.090	23.200	21.8	-6.03
SAR-19	2025/2/9	2300	50	D2300V2-1088	EX3DV4 - SN7695	DAE4 Sn1707	2.640	49.700	52.8	6.24	1.160	24.100	23.2	-3.73
SAR-19	2025/2/18	2300	50	D2300V2-1088	EX3DV4 - SN7695	DAE4 Sn1707	2.270	49.700	45.4	-8.65	1.090	24.100	21.8	-9.54
SAR-19	2025/2/23	2300	50	D2300V2-1088	EX3DV4 - SN7695	DAE4 Sn1707	2.280	49.700	45.6	-8.25	1.100	24.100	22	-8.71
SAR-19	2025/3/2	2300	50	D2300V2-1006	EX3DV4 - SN7695	DAE4 Sn1707	2.200	48.200	44	-8.71	1.060	23.200	21.2	-8.62
SAR-19	2025/2/7	2600	50	D2600V2-1089	EX3DV4 - SN7695	DAE4 Sn1707	2.580	55.400	51.6	-6.86	1.170	24.600	23.4	-4.88
SAR-19	2025/2/9	2600	50	D2600V2-1078	EX3DV4 - SN7695	DAE4 Sn1707	2.500	55.400	50	-9.75	1.130	24.900	22.6	-9.24
SAR-19	2025/2/15	2600	50	D2600V2-1008	EX3DV4 - SN7695	DAE4 Sn1707	2.640	58.000	52.8	-8.97	1.190	25.800	23.8	-7.75
SAR-19	2025/2/18	2600	50	D2600V2-1008	EX3DV4 - SN7695	DAE4 Sn1707	2.660	58.000	53.2	-8.28	1.200	25.800	24	-6.98
SAR-17	2025/2/21	2600	50	D2600V2-1089	EX3DV4 - SN7590	DAE4 Sn1399	2.660	55.400	53.2	-3.97	1.210	24.600	24.2	-1.63
SAR-17	2025/2/22	2600	50	D2600V2-1089	EX3DV4 - SN7590	DAE4 Sn1399	2.530	55.400	50.6	-8.66	1.150	24.600	23	-6.50
SAR-19	2025/2/23	2600	50	D2600V2-1008	EX3DV4 - SN7695	DAE4 Sn1707	2.650	58.000	53	-8.62	1.180	25.800	23.6	-8.53
SAR-17	2025/2/24	2600	50	D2600V2-1089	EX3DV4 - SN7590	DAE4 Sn1399	2.540	55.400	50.8	-8.30	1.160	24.600	23.2	-5.69
SAR-19	2025/3/2	2600	50	D2600V2-1078	EX3DV4 - SN7695	DAE4 Sn1707	2.530	55.400	50.6	-8.66	1.150	24.900	23	-7.63
SAR-19	2025/3/5	2600	50	D2600V2-1008	EX3DV4 - SN7695	DAE4 Sn1707	2.650	58.000	53	-8.62	1.190	25.800	23.8	-7.75
SAR-16	2025/3/7	2600	50	D2600V2-1008	EX3DV4 - SN7700	DAE4 Sn656	2.620	58.000	52.4	-9.66	1.200	25.800	24	-6.98
SAR-20	2025/1/25	3500	50	D3500V2-1036	EX3DV4 - SN7785	DAE4 Sn1694	3.450	67.400	69	2.37	1.340	25.100	26.8	6.77
SAR-20	2025/1/26	3500	50	D3500V2-1036	EX3DV4 - SN7785	DAE4 Sn1694	3.400	67.400	68	0.89	1.320	25.100	26.4	5.18
SAR-19	2025/2/5	3500	50	D3500V2-1036	EX3DV4 - SN7695	DAE4 Sn1707	3.100	67.400	62	-8.01	1.190	25.100	23.8	-5.18
SAR-19	2025/2/14	3500	50	D3500V2-1036	EX3DV4 - SN7695	DAE4 Sn1707	3.370	67.400	67.4	0.00	1.290	25.100	25.8	2.79
SAR-19	2025/2/16	3500	50	D3500V2-1036	EX3DV4 - SN7695	DAE4 Sn1707	3.340	67.400	66.8	-0.89	1.270	25.100	25.4	1.20
SAR-19	2025/2/17	3500	50	D3500V2-1036	EX3DV4 - SN7695	DAE4 Sn1707	3.100	67.400	62	-8.01	1.190	25.100	23.8	-5.18
SAR-18	2025/2/24	3500	50	D3500V2-1014	EX3DV4 - SN7625	DAE4ip Sn1800	3.290	65.700	65.8	0.15	1.250	24.900	25	0.40
SAR-19	2025/3/3	3500	50	D3500V2-1014	EX3DV4 - SN7695	DAE4 Sn1707	3.230	65.700	64.6	-1.67	1.240	24.900	24.8	-0.40
SAR-20	2025/3/13	3500	50	D3500V2-1014	EX3DV4 - SN7785	DAE4 Sn1694	3.280	65.700	65.6	-0.15	1.290	24.900	25.8	3.61
SAR-19	2025/3/17	3500	50	D3500V2-1014	EX3DV4 - SN7695	DAE4 Sn1707	3.180	65.700	63.6	-3.20	1.220	24.900	24.4	-2.01
SAR-20	2025/1/25	3700	50	D3700V2-1006	EX3DV4 - SN7785	DAE4 Sn1694	3.410	65.600	68.2	3.96	1.290	23.700	25.8	8.86
SAR-20	2025/1/26	3700	50	D3700V2-1006	EX3DV4 - SN7785	DAE4 Sn1694	3.360	65.600	67.2	2.44	1.270	23.700	25.4	7.17
SAR-19	2025/2/5	3700	50	D3700V2-1006	EX3DV4 - SN7695	DAE4 Sn1707	3.010	65.600	60.2	-8.23	1.150	23.700	23	-2.95
SAR-19	2025/2/8	3700	50	D3700V2-1006	EX3DV4 - SN7695	DAE4 Sn1707	3.220	65.600	64.4	-1.83	1.200	23.700	24	1.27
SAR-19	2025/2/14	3700	50	D3700V2-1022	EX3DV4 - SN7695	DAE4 Sn1707	3.220	68.200	64.4	-5.57	1.200	24.700	24	-2.83
SAR-19	2025/2/16	3700	50	D3700V2-1022	EX3DV4 - SN7695	DAE4 Sn1707	3.090	68.200	61.8	-9.38	1.150	24.700	23	-6.88
SAR-19	2025/2/17	3700	50	D3700V2-1022	EX3DV4 - SN7695	DAE4 Sn1707	3.160	68.200	63.2	-7.33	1.180	24.700	23.6	-4.45
SAR-18	2025/2/24	3700	50	D3700V2-1022	EX3DV4 - SN7625	DAE4ip Sn1800	3.410	68.200	68.2	0.00	1.260	24.700	25.2	2.02
SAR-19	2025/3/3	3700	50	D3700V2-1022	EX3DV4 - SN7695	DAE4 Sn1707	3.120	68.200	62.4	-8.50	1.170	24.700	23.4	-5.26
SAR-20	2025/3/13	3700	50	D3700V2-1006	EX3DV4 - SN7785	DAE4 Sn1694	3.170	65.600	63.4	-3.35	1.220	23.700	24.4	2.95
SAR-19	2025/3/17	3700	50	D3700V2-1006	EX3DV4 - SN7695	DAE4 Sn1707	3.300	65.600	66	0.61	1.230	23.700	24.6	3.80
SAR-20	2025/1/25	3900	50	D3900V2-1092	EX3DV4 - SN7785	DAE4 Sn1694	3.310	67.000	66.2	-1.19	1.180	23.200	23.6	1.72
SAR-20	2025/1/26	3900	50	D3900V2-1092	EX3DV4 - SN7785	DAE4 Sn1694	3.250	67.000	65	-2.99	1.170	23.200	23.4	0.86
SAR-19	2025/2/14	3900	50	D3900V2-1092	EX3DV4 - SN7695	DAE4 Sn1707	3.160	67.000	63.2	-5.67	1.120	23.200	22.4	-3.45
SAR-19	2025/2/16	3900	50	D3900V2-1092	EX3DV4 - SN7695	DAE4 Sn1707	3.250	67.000	65	-2.99	1.150	23.200	23	-0.86
SAR-19	2025/2/17	3900	50	D3900V2-1092	EX3DV4 - SN7695	DAE4 Sn1707	3.060	67.000	61.2	-8.66	1.090	23.200	21.8	-6.03
SAR-18	2025/2/24	3900	50	D3900V2-1092	EX3DV4 - SN7625	DAE4ip Sn1800	3.240	67.000	64.8	-3.28	1.140	23.200	22.8	-1.72
SAR-19	2025/3/3	3900	50	D3900V2-1092	EX3DV4 - SN7695	DAE4 Sn1707	3.080	67.000	61.6	-8.06	1.090	23.200	21.8	-6.03
SAR-11	2025/2/26	13	1000	CLA13-1011	EX3DV4 - SN3931	DAE4 Sn703	0.501	0.544	0.501	-7.22	0.312	0.340	0.312	-8.24
SAR-12	2025/1/31	2450	50	D2450V2-806	EX3DV4 - SN7793	DAE4 Sn1794	2.500	52.700	50	-5.12	1.180	24.400	23.6	-3.28
SAR-12	2025/2/3	2450	50	D2450V2-929	EX3DV4 - SN7793	DAE4 Sn1794	2.540	52.400	50.8	-3.05	1.200	24.700	24	-2.83
SAR-13	2025/2/4	2450	50	D2450V2-929	EX3DV4 - SN7814	DAE4 Sn661	2.760	52.400	55.2	5.34	1.300	24.700	26	5.26
SAR-13	2025/2/4	2450	50	D2450V2-929	EX3DV4 - SN7814	DAE4 Sn661	2.540	52.400	50.8	-3.05	1.190	24.700	23.8	-3.64
SAR-13	2025/2/5	2450	50	D2450V2-929	EX3DV4 - SN7814	DAE4 Sn661	2.650	52.400	53	1.15	1.250	24.700	25	1.21
SAR-17	2025/2/6	2450	50	D2450V2-929	EX3DV4 - SN7590	DAE4 Sn1399	2.540	52.400	50.8	-3.05	1.200	24.700	24	-2.83
SAR-17	2025/2/9	2450	50	D2450V2-929	EX3DV4 - SN7590	DAE4 Sn1399	2.830	52.400	56.6	8.02	1.330	24.700	26.6	7.69



FCC SAR TEST REPORT

Report No. : FA4N0919C

SAR-17	2025/2/15	2450	50	D2450V2-929	EX3DV4 - SN7590	DAE4 Sn1399	2.450	52.400	49	-6.49	1.160	24.700	23.2	-6.07
SAR-14	2025/3/7	2450	50	D2450V2-929	EX3DV4 - SN7700	DAE4 Sn656	2.460	52.400	49.2	-6.11	1.170	24.700	23.4	-5.26
SAR-15	2025/3/12	2450	50	D2450V2-929	EX3DV4 - SN7439	DAE4 Sn661	2.490	52.400	49.8	-4.96	1.190	24.700	23.8	-3.64
SAR-12	2025/2/1	5250	50	D5GHzV2-1006	EX3DV4 - SN7793	DAE4 Sn1794	3.640	80.600	72.8	-9.68	1.040	22.800	20.8	-8.77
SAR-13	2025/2/6	5250	50	D5GHzV2-1006	EX3DV4 - SN7814	DAE4 Sn661	3.990	80.600	79.8	-0.99	1.130	22.800	22.6	-0.88
SAR-13	2025/2/7	5250	50	D5GHzV2-1128	EX3DV4 - SN7814	DAE4 Sn1647	3.810	77.500	76.2	-1.68	1.090	22.200	21.8	-1.80
SAR-13	2025/2/9	5250	50	D5GHzV2-1128	EX3DV4 - SN7814	DAE4 Sn1647	3.710	77.500	74.2	-4.26	1.060	22.200	21.2	-4.50
SAR-17	2025/2/10	5250	50	D5GHzV2-1128	EX3DV4 - SN7590	DAE4 Sn1399	3.740	77.500	74.8	-3.48	1.070	22.200	21.4	-3.60
SAR-17	2025/2/11	5250	100	D5GHzV2-1128	EX3DV4 - SN7590	DAE4 Sn1399	7.970	77.500	79.7	2.84	2.290	22.200	22.9	3.15
SAR-17	2025/2/13	5250	100	D5GHzV2-1128	EX3DV4 - SN7590	DAE4 Sn1399	7.770	77.500	77.7	0.26	2.250	22.200	22.5	1.35
SAR-17	2025/2/26	5250	100	D5GHzV2-1128	EX3DV4 - SN7590	DAE4 Sn1399	7.310	77.500	73.1	-5.68	2.110	22.200	21.1	-4.95
SAR-14	2025/3/3	5250	100	D5GHzV2-1128	EX3DV4 - SN7700	DAE4 Sn656	7.300	77.500	73	-5.81	2.100	22.200	21	-5.41
SAR-15	2025/3/13	5250	100	D5GHzV2-1006	EX3DV4 - SN7439	DAE4 Sn661	8.730	80.600	87.3	8.31	2.500	22.800	25	9.65
SAR-12	2025/2/1	5600	50	D5GHzV2-1006	EX3DV4 - SN7793	DAE4 Sn1794	4.060	83.400	81.2	-2.64	1.160	23.700	23.2	-2.11
SAR-13	2025/2/4	5600	50	D5GHzV2-1006	EX3DV4 - SN7814	DAE4 Sn661	4.070	83.400	81.4	-2.40	1.150	23.700	23	-2.95
SAR-13	2025/2/6	5600	50	D5GHzV2-1006	EX3DV4 - SN7814	DAE4 Sn661	3.930	83.400	78.6	-5.76	1.100	23.700	22	-7.17
SAR-13	2025/2/7	5600	50	D5GHzV2-1128	EX3DV4 - SN7814	DAE4 Sn1647	4.210	81.700	84.2	3.06	1.190	23.500	23.8	1.28
SAR-13	2025/2/9	5600	50	D5GHzV2-1128	EX3DV4 - SN7814	DAE4 Sn1647	4.030	81.700	80.6	-1.35	1.140	23.500	22.8	-2.98
SAR-17	2025/2/10	5600	50	D5GHzV2-1128	EX3DV4 - SN7590	DAE4 Sn1399	4.120	81.700	82.4	0.86	1.170	23.500	23.4	-0.43
SAR-17	2025/2/11	5600	50	D5GHzV2-1128	EX3DV4 - SN7590	DAE4 Sn1399	4.070	81.700	81.4	-0.37	1.170	23.500	23.4	-0.43
SAR-17	2025/2/13	5600	50	D5GHzV2-1128	EX3DV4 - SN7590	DAE4 Sn1399	3.880	81.700	77.6	-5.02	1.120	23.500	22.4	-4.68
SAR-17	2025/2/26	5600	100	D5GHzV2-1128	EX3DV4 - SN7590	DAE4 Sn1399	8.270	81.700	82.7	1.22	2.370	23.500	23.7	0.85
SAR-14	2025/3/3	5600	100	D5GHzV2-1128	EX3DV4 - SN7700	DAE4 Sn656	8.090	81.700	80.9	-0.98	2.310	23.500	23.1	-1.70
SAR-15	2025/3/13	5600	100	D5GHzV2-1006	EX3DV4 - SN7439	DAE4 Sn661	8.310	83.400	83.1	-0.36	2.360	23.700	23.6	-0.42
SAR-12	2025/2/1	5800	50	D5GHzV2-1006	EX3DV4 - SN7793	DAE4 Sn1794	3.700	80.600	74	-8.19	1.050	22.700	21	-7.49
SAR-13	2025/2/4	5800	50	D5GHzV2-1006	EX3DV4 - SN7814	DAE4 Sn661	3.880	80.600	77.6	-3.72	1.090	22.700	21.8	-3.96
SAR-13	2025/2/5	5800	50	D5GHzV2-1006	EX3DV4 - SN7814	DAE4 Sn661	3.810	80.600	76.2	-5.46	1.070	22.700	21.4	-5.73
SAR-13	2025/2/7	5800	50	D5GHzV2-1128	EX3DV4 - SN7814	DAE4 Sn1647	3.870	78.600	77.4	-1.53	1.090	22.500	21.8	-3.11
SAR-13	2025/2/9	5800	50	D5GHzV2-1128	EX3DV4 - SN7814	DAE4 Sn1647	3.750	78.600	75	-4.58	1.060	22.500	21.2	-5.78
SAR-17	2025/2/10	5800	50	D5GHzV2-1128	EX3DV4 - SN7590	DAE4 Sn1399	3.600	78.600	72	-8.40	1.030	22.500	20.6	-8.44
SAR-17	2025/2/11	5800	50	D5GHzV2-1128	EX3DV4 - SN7590	DAE4 Sn1399	3.660	78.600	73.2	-6.87	1.050	22.500	21	-6.67
SAR-17	2025/2/13	5800	100	D5GHzV2-1128	EX3DV4 - SN7590	DAE4 Sn1399	7.730	78.600	77.3	-1.65	2.220	22.500	22.2	-1.33
SAR-17	2025/2/26	5800	100	D5GHzV2-1128	EX3DV4 - SN7590	DAE4 Sn1399	7.260	78.600	72.6	-7.63	2.080	22.500	20.8	-7.56
SAR-14	2025/3/3	5800	100	D5GHzV2-1128	EX3DV4 - SN7700	DAE4 Sn656	7.460	78.600	74.6	-5.09	2.120	22.500	21.2	-5.78
SAR-15	2025/3/13	5800	100	D5GHzV2-1006	EX3DV4 - SN7439	DAE4 Sn661	7.970	80.600	79.7	-1.12	2.240	22.700	22.4	-1.32
SAR-17	2025/2/17	6500	100	D6.5GHzV2-1003	EX3DV4 - SN7590	DAE4 Sn1399	29.700	293.000	297	1.37	5.440	53.800	54.4	1.12
SAR-17	2025/2/18	6500	100	D6.5GHzV2-1003	EX3DV4 - SN7590	DAE4 Sn1399	29.200	293.000	292	-0.34	5.380	53.800	53.8	0.00
SAR-17	2025/2/19	6500	100	D6.5GHzV2-1003	EX3DV4 - SN7590	DAE4 Sn1399	29.000	293.000	290	-1.02	5.320	53.800	53.2	-1.12
SAR-17	2025/2/20	6500	100	D6.5GHzV2-1003	EX3DV4 - SN7590	DAE4 Sn1399	30.900	293.000	309	5.46	5.670	53.800	56.7	5.39
SAR-21	2025/3/5	6500	100	D6.5GHzV2-1083	EX3DV4 - SN7694	DAE4 Sn1697	30.100	297.000	301	1.35	5.540	54.600	55.4	1.47
SAR-15	2025/3/14	6500	100	D6.5GHzV2-1083	EX3DV4 - SN7439	DAE4 Sn661	27.000	297.000	270	-9.09	4.970	54.600	49.7	-8.97
SAR-15	2025/3/18	6500	100	D6.5GHzV2-1083	EX3DV4 - SN7439	DAE4 Sn661	30.800	297.000	308	3.70	5.690	54.600	56.9	4.21
SAR-15	2025/3/19	6500	100	D6.5GHzV2-1083	EX3DV4 - SN7439	DAE4 Sn661	28.600	297.000	286	-3.70	5.250	54.600	52.5	-3.85

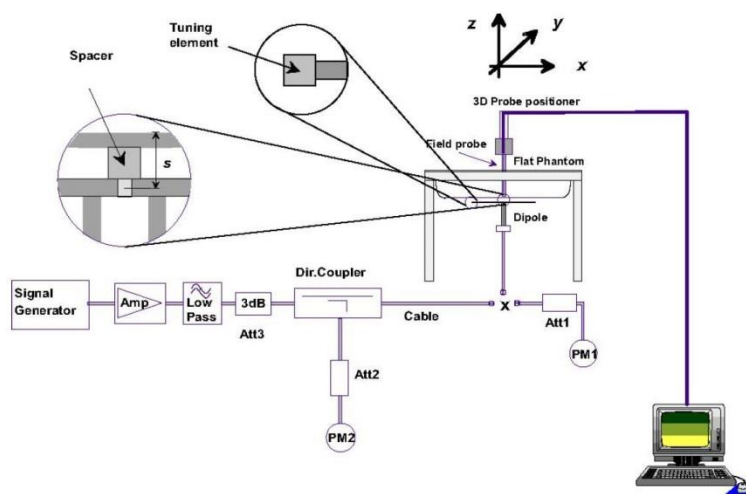


Fig 8.3.1 System Performance Check Setup



Fig 8.3.2 Setup Photo

10.3 PD System Performance Check Results

The system was verified to be within ± 0.66 dB of the power density targets on the calibration certificate according to the test system specification in the user's manual and calibration facility recommendation. The 0.66 dB deviation threshold represents the expanded uncertainty for system performance checks using SPEAG's mmWave verification sources. The same spatial resolution and measurement region used in the source calibration was applied during the system check. The measured power density distribution of verification source was also confirmed through visual inspection to have no noticeable differences, both spatially (shape) and numerically (level) from the distribution provided by the manufacturer, per November 2017 TCBC Workshop Notes

Test Site	Frequency (GHz)	5G Verification Source	Probe S/N	DAE S/N	Distance (mm)	Measured 4 cm ² (W/m ²)	Targeted 4 cm ² (W/m ²)	Deviation (dB)	Date
SAR14	10G	10GHz_1052	9461	1424	10mm	57.9	57.2	0.05	2025/1/17
SAR17	10G	10GHz_1052	9461	703	10mm	52.2	57.2	-0.40	2025/3/5

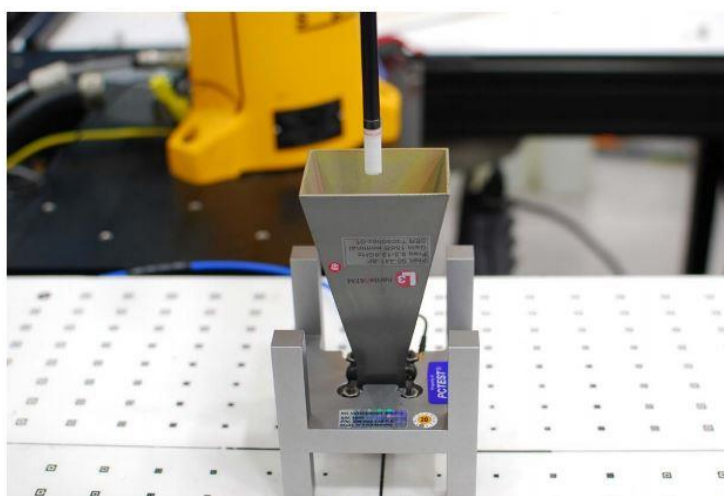


Figure 4-3
System Verification Setup Photo

System Performance Check Setup

11. RF Exposure Positions

11.1 Ear and handset reference point

Figure 9.1.1 shows the front, back, and side views of the SAM phantom. The center-of-mouth reference point is labeled "M," the left ear reference point (ERP) is marked "LE," and the right ERP is marked "RE." Each ERP is 15 mm along the B-M (back-mouth) line behind the entrance-to-ear-canal (EEC) point, as shown in Figure 9.1.2 The Reference Plane is defined as passing through the two ear reference points and point M. The line N-F (neck-front), also called the reference pivoting line, is normal to the Reference Plane and perpendicular to both a line passing through RE and LE and the B-M line (see Figure 9.1.3). Both N-F and B-M lines should be marked on the exterior of the phantom shell to facilitate handset positioning. Posterior to the N-F line the ear shape is a flat surface with 6 mm thickness at each ERP, and forward of the N-F line the ear is truncated, as illustrated in Figure 9.1.2. The ear truncation is introduced to preclude the ear lobe from interfering with handset tilt, which could lead to unstable positioning at the cheek.

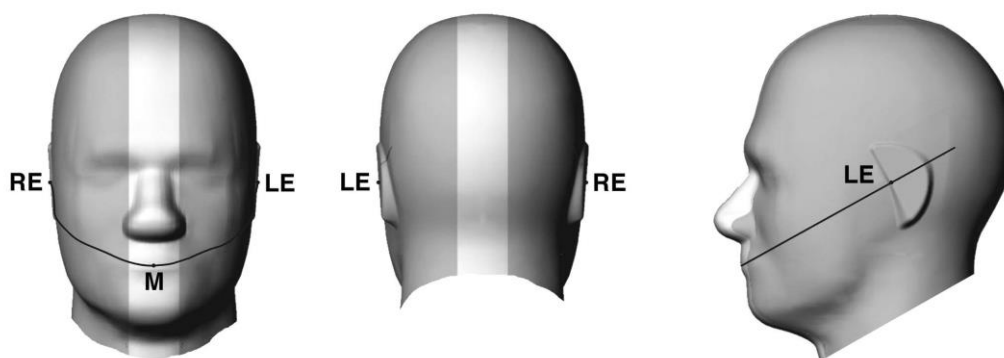


Fig 9.1.1 Front, back, and side views of SAM twin phantom

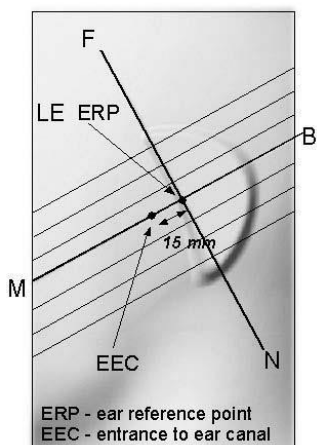


Fig 9.1.2 Close-up side view of phantom showing the ear region.

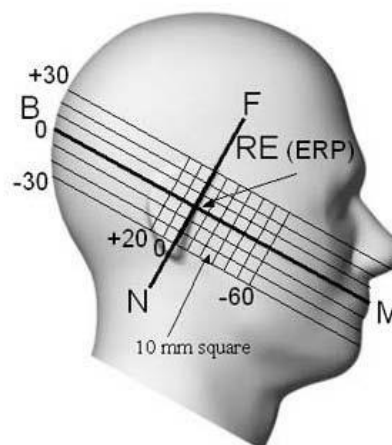


Fig 9.1.3 Side view of the phantom showing relevant markings and seven cross-sectional plane locations

11.2 Definition of the cheek position

1. Ready the handset for talk operation, if necessary. For example, for handsets with a cover piece (flip cover), open the cover. If the handset can transmit with the cover closed, both configurations must be tested.
2. Define two imaginary lines on the handset—the vertical centerline and the horizontal line. The vertical centerline passes through two points on the front side of the handset—the midpoint of the width w_t of the handset at the level of the acoustic output (point A in Figure 9.2.1 and Figure 9.2.2), and the midpoint of the width w_b of the bottom of the handset (point B). The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output (see Figure 9.2.1). The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical centerline is not necessarily parallel to the front face of the handset (see Figure 9.2.2), especially for clamshell handsets, handsets with flip covers, and other irregularly-shaped handsets.
3. Position the handset close to the surface of the phantom such that point A is on the (virtual) extension of the line passing through points RE and LE on the phantom (see Figure 9.2.3), such that the plane defined by the vertical centerline and the horizontal line of the handset is approximately parallel to the sagittal plane of the phantom.
4. Translate the handset towards the phantom along the line passing through RE and LE until handset point A touches the pinna at the ERP.
5. While maintaining the handset in this plane, rotate it around the LE-RE line until the vertical centerline is in the plane normal to the plane containing B-M and N-F lines, i.e., the Reference Plane.
6. Rotate the handset around the vertical centerline until the handset (horizontal line) is parallel to the N-F line.
7. While maintaining the vertical centerline in the Reference Plane, keeping point A on the line passing through RE and LE, and maintaining the handset contact with the pinna, rotate the handset about the N-F line until any point on the handset is in contact with a phantom point below the pinna on the cheek. See Figure 9.2.3. The actual rotation angles should be documented in the test report.

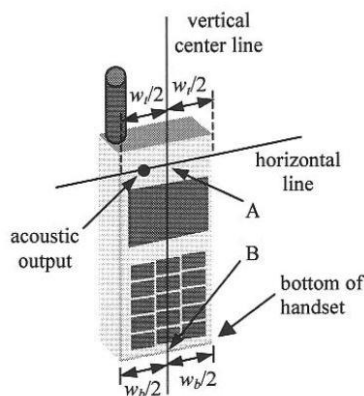


Fig 9.2.1 Handset vertical and horizontal reference lines—"fixed case"

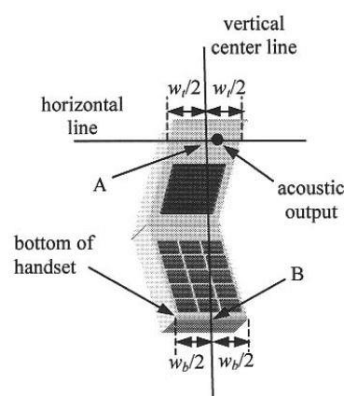


Fig 9.2.2 Handset vertical and horizontal reference lines—"clam-shell case"

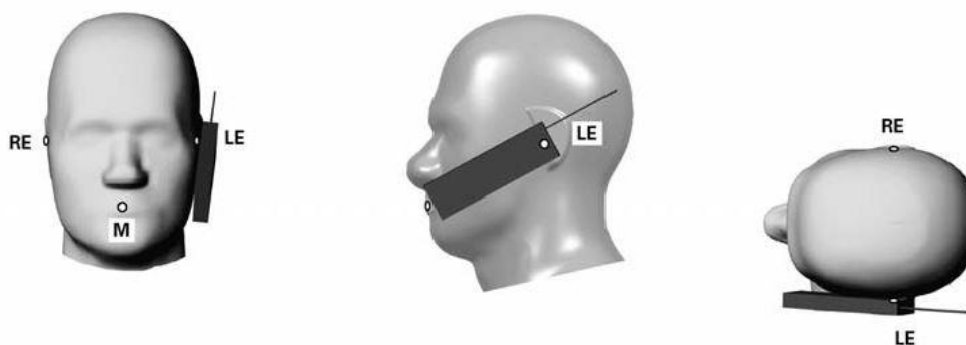


Fig 9.2.3 cheek or touch position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which establish the Reference Plane for handset positioning, are indicated.

11.3 Definition of the tilt position

1. Ready the handset for talk operation, if necessary. For example, for handsets with a cover piece (flip cover), open the cover. If the handset can transmit with the cover closed, both configurations must be tested.
2. While maintaining the orientation of the handset, move the handset away from the pinna along the line passing through RE and LE far enough to allow a rotation of the handset away from the cheek by 15°.
3. Rotate the handset around the horizontal line by 15°.
4. While maintaining the orientation of the handset, move the handset towards the phantom on the line passing through RE and LE until any part of the handset touches the ear. The tilt position is obtained when the contact point is on the pinna. See Figure 9.3.1. If contact occurs at any location other than the pinna, e.g., the antenna at the back of the phantom head, the angle of the handset should be reduced. In this case, the tilt position is obtained if any point on the handset is in contact with the pinna and a second point

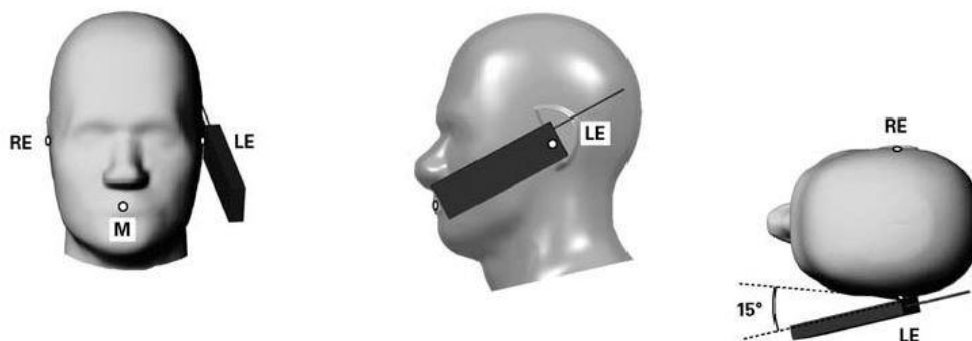


Fig 9.3.1 Tilt position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which define the Reference Plane for handset positioning, are indicated.

11.4 Body Worn Accessory

Body-worn operating configurations are tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in a normal use configuration (see Figure 9.4). Per KDB648474 D04v01r03, body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in FCC KDB 447498 D01v06 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode, when applicable. When the reported SAR for body-worn accessory, measured without a headset connected to the handset is $> 1.2 \text{ W/kg}$, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a headset attached to the handset.

Accessories for body-worn operation configurations are divided into two categories: those that do not contain metallic components and those that do contain metallic components. When multiple accessories that do not contain metallic components are supplied with the device, the device is tested with only the accessory that dictates the closest spacing to the body. Then multiple accessories that contain metallic components are test with the device with each accessory. If multiple accessories share an identical metallic component (i.e. the same metallic belt-clip used with different holsters with no other metallic components) only the accessory that dictates the closest spacing to the body is tested.

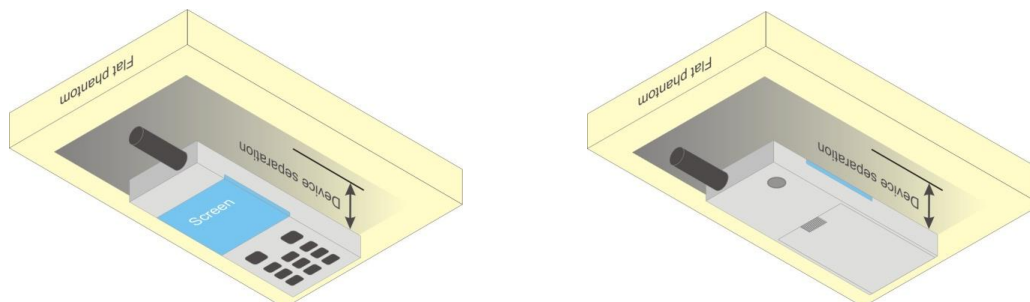


Fig 9.4 Body Worn Position

11.5 Product Specific Exposure

For smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, According to KDB648474 D04v01r03, the following phablet procedures should be applied to evaluate SAR compliance for each applicable wireless modes and frequency band. Devices marketed as phablets, regardless of form factors and operating characteristics must be tested as a phablet to determine SAR compliance

1. The normally required head and body-worn accessory SAR test procedures for handsets, including hotspot mode, must be applied.
2. The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB 865664 to address interactive hand use exposure conditions.⁶ The UMPC mini-tablet 1-g SAR at 5 mm is not required. When hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg.

11.6 Wireless Router

Some battery-operated handsets have the capability to transmit and receive user through simultaneous transmission of WIFI simultaneously with a separate licensed transmitter. The FCC has provided guidance in FCC KDB Publication 941225 D06 v02r01 where SAR test considerations for handsets ($L \times W \geq 9$ cm x 5 cm) are based on a composite test separation distance of 10mm from the front, back and edges of the device containing transmitting antennas within 2.5cm of their edges, determined from general mixed use conditions for this type of devices. Since the hotspot SAR results may overlap with the body-worn accessory SAR requirements, the more conservative configurations can be considered, thus excluding some body-worn accessory SAR tests.

When the user enables the personal wireless router functions for the handset, actual operations include simultaneous transmission of both the WIFI transmitter and another licensed transmitter. Both transmitters often do not transmit at the same transmitting frequency and thus cannot be evaluated for SAR under actual use conditions due to the limitations of the SAR assessment probes. Therefore, SAR must be evaluated for each frequency transmission and mode separately and spatially summed with the WIFI transmitter according to FCC KDB Publication 447498 D01v06 publication procedures. The "Portable Hotspot" feature on the handset was NOT activated during SAR assessments, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal at a time.

12. UL/DL Carrier aggregation

<LTE DL Carrier Aggregation>

General Note:

1. According to 202410 TCB workshop, the downlink (DL) pertains to receiver functionality, thus it is not related to RF exposure compliance limits related to cumulative effects of different transmitters.
2. According to 202410 TCB workshop, equipment authorization applications shall refer to the worst-case UL powers resulting from all the possible modes of operations. Accordingly, CA-DL cases do not need to be analyzed separately, unless pertinent to establishing UL power setting.
3. This device supports LTE carrier aggregation in the downlink. All uplink maximum output power with downlink carrier aggregation active does not show more than ¼ dB higher than the maximum output power without downlink carrier aggregation active, therefore SAR evaluation with downlink carrier aggregation active can be excluded

<LTE UL carrier aggregation>

General Note:

1. The device supports intra-band uplink carrier aggregation with a maximum of two 20MHz component carriers. For intra band contiguous carrier aggregation scenarios, 3GPP 36.101 table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when not-contiguous RB allocation is implemented. The conducted power and MPR setting in this device are permanently implemented pre 3GPP requirement.
2. The device supports uplink carrier aggregation with a maximum of two 20MHz component carriers. For intra band contiguous carrier aggregation scenarios, 3GPP 36.101 table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when not-contiguous RB allocation is implemented. The conducted power and MPR setting in this device are permanently implemented pre the 3GPP requirement.
3. According TCB workshop, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers.
4. According TCB workshop, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers.
5. Additional SAR measurement for LTE UL CA whit other DL CA combinations active were not required since the maximum output power for this configuration was not > 0.25dB higher than the maximum output power for UL CA active.

2CC Uplink Carrier Aggregation	
Number	Combination
1	CA_5B
2	CA_7C
3	CA_66B
4	CA_66C
5	CA_38C
6	CA_41C

Ant 0_Index 1/2/3/4/5/6								
CA_5B								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	22.69	24.00
20574	20475	QPSK	1	0	1	49	22.73	24.00
20600	20501	QPSK	1	0	1	49	22.64	24.00

Ant 1_Index 1/4/5/6								
CA_5B								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	22.38	24.00
20574	20475	QPSK	1	0	1	49	22.39	24.00
20600	20501	QPSK	1	0	1	49	22.33	24.00

Ant 1_Index 2								
CA_5B								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	21.84	23.50
20574	20475	QPSK	1	0	1	49	21.96	23.50
20600	20501	QPSK	1	0	1	49	21.82	23.50

Ant 1_Index 3								
CA_5B								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	21.84	22.40
20574	20475	QPSK	1	0	1	49	21.96	22.40
20600	20501	QPSK	1	0	1	49	21.82	22.40

Ant 2_Index 1/2								
CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.73	24.50
21100	20902	QPSK	1	0	1	99	22.77	24.50
21350	21152	QPSK	1	0	1	99	22.89	24.50

Ant 2_Index 3								
CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.73	24.20
21100	20902	QPSK	1	0	1	99	22.77	24.20
21350	21152	QPSK	1	0	1	99	22.89	24.20

Ant 2_Index 4/6								
CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	19.86	20.90
21100	20902	QPSK	1	0	1	99	19.98	20.90
21350	21152	QPSK	1	0	1	99	20.11	20.90

Ant 2_Index 5								
CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	19.86	21.60
21100	20902	QPSK	1	0	1	99	19.98	21.60
21350	21152	QPSK	1	0	1	99	20.11	21.60

Ant 0_Index 1/2/3								
CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.86	24.50
21100	20902	QPSK	1	0	1	99	22.89	24.50
21350	21152	QPSK	1	0	1	99	23.11	24.50

Ant 0_Index 4								
CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	17.86	19.80
21100	20902	QPSK	1	0	1	99	17.95	19.80
21350	21152	QPSK	1	0	1	99	18.05	19.80

Ant 0_Index 5								
CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	20.26	22.00
21100	20902	QPSK	1	0	1	99	20.41	22.00
21350	21152	QPSK	1	0	1	99	20.48	22.00

Ant 0_Index 6								
CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	20.26	21.30
21100	20902	QPSK	1	0	1	99	20.41	21.30
21350	21152	QPSK	1	0	1	99	20.48	21.30

Ant 2_Index 1/2/3								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.84	24.50
132322	132229	QPSK	1	0	1	24	22.90	24.50
132597	132504	QPSK	1	0	1	24	22.76	24.50

Ant 2_Index 4/6								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	21.83	22.30
132322	132229	QPSK	1	0	1	24	21.88	22.30
132597	132504	QPSK	1	0	1	24	21.79	22.30

Ant 2_Index 5								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	21.83	23.00
132322	132229	QPSK	1	0	1	24	21.88	23.00
132597	132504	QPSK	1	0	1	24	21.79	23.00

Ant 0_Index 1/2/3								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	23.04	24.50
132322	132229	QPSK	1	0	1	24	22.94	24.50
132597	132504	QPSK	1	0	1	24	22.87	24.50

Ant 0_Index 4								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	18.71	19.30
132322	132229	QPSK	1	0	1	24	18.76	19.30
132597	132504	QPSK	1	0	1	24	18.70	19.30

Ant 0_Index 5								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	18.71	20.70
132322	132229	QPSK	1	0	1	24	18.76	20.70
132597	132504	QPSK	1	0	1	24	18.70	20.70

Ant 0_Index 6								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	18.71	20.00
132322	132229	QPSK	1	0	1	24	18.76	20.00
132597	132504	QPSK	1	0	1	24	18.70	20.00

Ant 2_Index 1/2/3								
CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	22.95	24.50
132322	132124	QPSK	1	0	1	99	22.9	24.50
132572	132374	QPSK	1	0	1	99	22.85	24.50

Ant 2_Index 4/6								
CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	21.87	22.30
132322	132124	QPSK	1	0	1	99	21.88	22.30
132572	132374	QPSK	1	0	1	99	21.72	22.30

Ant 2_Index 5								
CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	21.87	23.00
132322	132124	QPSK	1	0	1	99	21.88	23.00
132572	132374	QPSK	1	0	1	99	21.72	23.00

Ant 0_Index 1/2/3								
CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	23.05	24.50
132322	132124	QPSK	1	0	1	99	23.05	24.50
132572	132374	QPSK	1	0	1	99	22.98	24.50

Ant 0_Index 4								
CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	18.93	19.30
132322	132124	QPSK	1	0	1	99	18.84	19.30
132572	132374	QPSK	1	0	1	99	18.70	19.30

Ant 0_Index 5								
CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	18.84	20.70
132322	132124	QPSK	1	0	1	99	18.93	20.70
132572	132374	QPSK	1	0	1	99	18.70	20.70

Ant 0_Index 6								
CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	18.84	20.00
132322	132124	QPSK	1	0	1	99	18.93	20.00
132572	132374	QPSK	1	0	1	99	18.70	20.00

Ant 2_Index 1/2/3								
CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.85	24.50
38000	37802	QPSK	1	0	1	99	22.97	24.50
38150	37952	QPSK	1	0	1	99	22.94	24.50

Ant 2_Index 4/6								
CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.58	22.00
38000	37802	QPSK	1	0	1	99	21.70	22.00
38150	37952	QPSK	1	0	1	99	21.68	22.00

Ant 2_Index 5								
CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.58	22.70
38000	37802	QPSK	1	0	1	99	21.70	22.70
38150	37952	QPSK	1	0	1	99	21.68	22.70

Ant 0_Index 1/2/3								
CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.79	24.50
38000	37802	QPSK	1	0	1	99	22.88	24.50
38150	37952	QPSK	1	0	1	99	22.92	24.50

Ant 0_Index 4								
CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.31	21.80
38000	37802	QPSK	1	0	1	99	21.45	21.80
38150	37952	QPSK	1	0	1	99	21.44	21.80

Ant 0_Index 5								
CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.37	24.10
38000	37802	QPSK	1	0	1	99	22.49	24.10
38150	37952	QPSK	1	0	1	99	22.49	24.10

Ant 0_Index 6								
CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.37	23.40
38000	37802	QPSK	1	0	1	99	22.49	23.40
38150	37952	QPSK	1	0	1	99	22.49	23.40

Ant 2_Index 1/2/3								
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.65	24.50
40185	39987	QPSK	1	0	1	99	22.79	24.50
40620	40422	QPSK	1	0	1	99	22.94	24.50
41055	40857	QPSK	1	0	1	99	22.97	24.50
41490	41292	QPSK	1	0	1	99	22.77	24.50

Ant 2_Index 4/6								
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.33	22.00
40185	39987	QPSK	1	0	1	99	21.50	22.00
40620	40422	QPSK	1	0	1	99	21.71	22.00
41055	40857	QPSK	1	0	1	99	21.68	22.00
41490	41292	QPSK	1	0	1	99	21.58	22.00

Ant 2_Index 5								
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.33	22.70
40185	39987	QPSK	1	0	1	99	21.50	22.70
40620	40422	QPSK	1	0	1	99	21.71	22.70
41055	40857	QPSK	1	0	1	99	21.68	22.70
41490	41292	QPSK	1	0	1	99	21.58	22.70

Ant 0_Index 1/2/3								
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.60	24.50
40185	39987	QPSK	1	0	1	99	22.78	24.50
40620	40422	QPSK	1	0	1	99	22.86	24.50
41055	40857	QPSK	1	0	1	99	22.91	24.50
41490	41292	QPSK	1	0	1	99	22.81	24.50

Ant 0_Index 4								
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.32	21.80
40185	39987	QPSK	1	0	1	99	21.46	21.80
40620	40422	QPSK	1	0	1	99	21.59	21.80
41055	40857	QPSK	1	0	1	99	21.55	21.80
41490	41292	QPSK	1	0	1	99	21.49	21.80

Ant 0_Index 5								
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.35	24.10
40185	39987	QPSK	1	0	1	99	22.51	24.10
40620	40422	QPSK	1	0	1	99	22.63	24.10
41055	40857	QPSK	1	0	1	99	22.56	24.10
41490	41292	QPSK	1	0	1	99	22.55	24.10

Ant 0_Index 6								
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.35	23.40
40185	39987	QPSK	1	0	1	99	22.51	23.40
40620	40422	QPSK	1	0	1	99	22.63	23.40
41055	40857	QPSK	1	0	1	99	22.56	23.40
41490	41292	QPSK	1	0	1	99	22.55	23.40

13. RF Exposure position consideration

Distance of the Antenna to the EUT surface/edge						
Antennas	Front	Back	Top Side	Bottom Side	Right Side	Left Side
WWAN Ant 0	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm	≤ 25mm
WWAN Ant 1	≤ 25mm	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm
WWAN Ant 2	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm	≤ 25mm
WWAN Ant 5	≤ 25mm	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm
WWAN Ant 6	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm	≤ 25mm
WWAN Ant 7	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm	≤ 25mm
WLAN/BT Ant 3 / 4 / 3+4	≤ 25mm	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm
NFC	≤ 25mm	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm

Positions for SAR / 6E PD test						
Antennas	Front	Back	Top Side	Bottom Side	Right Side	Left Side
WWAN Ant 0	Yes	Yes	No	Yes	Yes	Yes
WWAN Ant 1	Yes	Yes	Yes	No	Yes	Yes
WWAN Ant 2	Yes	Yes	No	Yes	Yes	Yes
WWAN Ant 5	Yes	Yes	Yes	No	Yes	Yes
WWAN Ant 6	Yes	Yes	No	Yes	Yes	Yes
WWAN Ant 7	Yes	Yes	No	Yes	Yes	Yes
WLAN/BT Ant 3 / 4 / 3+4	Yes	Yes	Yes	No	Yes	Yes
NFC	Yes	Yes	Yes	No	Yes	Yes

General Note:

- Referring to KDB 941225 D06 v02r01, when the overall device length and width are ≥ 9cm*5cm. RF Exposure must be measured for all sides and surfaces with a transmitting antenna located within 25mm from that surface or edge
- The antenna location is illustrated in the Appendix H.

14. SAR Test Results

General Note:

1. Per KDB 447498 D01v06, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - b. For SAR testing of WLAN signal with non-100% duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle)"
 - c. For WWAN: Reported SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
 - d. For WLAN/Bluetooth: Reported SAR(W/kg)= Measured SAR(W/kg)* Duty Cycle scaling factor * Tune-up scaling factor
 - e. For TDD LTE SAR measurement, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix $63.3\%/62.9\% = 1.006$ is applied to scale-up the measured SAR result. The Reported TDD LTE SAR = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.
2. Per KDB 447498 D01v06, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the *reported* 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - ≤ 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. Per KDB 648474 D04v01r03, when the reported SAR for a body-worn accessory measured without a headset connected to the handset is ≤ 1.2 W/kg, SAR testing with a headset connected to the handset is not required.
5. For NTN, 5GHz and 6GHz WLAN product specific SAR is necessary too, due to an overall diagonal dimension is > 16 cm.
6. Per KDB 648474 D04v01r03, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm, when hotspot mode applies, 10-g product specific SAR is required only for the surfaces and edges with hotspot mode 1 –g reported SAR > 1.2 W/kg, however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold, for this device the UMTS B2, LTE B7/25/30/41 and FR1 n7/25/41 Bottom Edge is required perform product specific condition.

GSM Note:

1. Per KDB 941225 D01v03r01, for SAR test reduction for GSM / GPRS / EDGE modes is determined by the source-based time-averaged output power including tune-up tolerance. The mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested. Therefore, the GPRS (4Tx slots) for GSM850/GSM1900 is considered as the primary mode.
2. Other configurations of GSM / GPRS / EDGE are considered as secondary modes. The 3G SAR test reduction procedure is applied, when the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq \frac{1}{4}$ dB higher than the primary mode, SAR measurement is not required for the secondary mode.

UMTS Note:

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

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/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. Due to test setup limitations, SAR testing for NR TDD Power class 3 was performed using Factory Test Mode software to establish the connection and perform SAR with 100% transmission. For NR TDD power class2 was performed using Factory Test Mode software to establish the connection and perform SAR with 50% transmission.
 - g. For NR FDD was establishing connections via a base station simulator to use for output power measurement and SAR testing

Non-terrestrial Network Note:

1. Due to test setup limitations, SAR testing for Non-terrestrial Network was performed using Factory Test Mode software to establish the connection.
2. The device support NTN NB-IoT and only support, the RF exposure was selected highest SC output power perform.
3. The NTN NB-IoT only support message transmission, therefore, the RF exposure only consider body-worn and phablet condition.

WLAN Note:

1. The SISO mode support only when the Antenna 3 and 4 is transmitting on 802.11b mode, other support MIMO mode.
2. Per KDB 248227 D01v02r02, For 802.11b DSSS SAR measurements, DSSS SAR procedure applies to fixed exposure test position and initial test position procedure applies to multiple exposure test position when 802.11 DSS mode is active at transmit antenna 3 and 4.
3. Per KDB 248227 D01v02r02, for 2.4GHz WLAN MIMO operation for 802.11g/n, when the same highest maximum output power specification applies to multiple transmission modes, the largest channel bandwidth configuration with the lowest order modulation and lowest data rate is measured, so 802.11g mode is selected to be tested.
4. Per KDB 248227 D01v02r02, WLAN5.2GHz SAR testing is not required for hotspot and body-worn condition when the WLAN5.3GHz band highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for WLAN5.2GHz band.
5. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is ≤ 0.8 W/kg or all required test position are tested.
6. For all positions / configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions / configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.
7. For determination of the scaling factor for report SAR of MIMO mode, if the hot spots are separated the scaling factors are individually determined from each transmit chain. If the hot spots are not spatially separated, the scaling factor is determined from the worst number of each transmit chain.
8. 4+3(3) represents the test in 2TX operation, while the SAR or power data is associated with antenna 3
9. 4+3(4) represents the test in 2TX operation, while the SAR or power data is associated with antenna 4
10. During SAR testing the WLAN transmission was verified using a spectrum analyzer.

WLAN PD Note:

1. The WiFi 6E PD was performed according 2020 TCB workshop RF Exposure 5G RFX Policies Interim Procedures.
2. First, evaluate SAR using 6-7 GHz parameters per IEC/IEEE 62209-1528:2020 and using highest SAR test configurations evaluate incident PD using the mmw near-field probe and total-field/power-density reconstruction method (2 mm closest meas. plane).
3. Per Interim Procedures. The power density results were scaled according to IEC 62479:2010 for the portion of the measurement uncertainty $> 30\%$. Total expanded uncertainty of 2.68 dB (85.4%) was used to determine the psPD measurement scaling factor
4. The manufacturer has confirmed that the devices tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
5. The WiFi 6E RF Exposure results are used for simultaneous transmission analysis with the other transmitters and total exposure ratio, the analysis can be found in this report appendix F and part1 PD report.
6. Absorbed power density (APD) using a 4cm² averaging area is reported based on SAR measurements.
7. Power density was calculated by repeated E-field measurements on two measurement planes separated by $\lambda/4$.
8. The device was configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools.
9. The measurement procedure consists of measuring the PD_{inc} at two different distances: 2 mm (compliance distance) and $\lambda/5$. The grid extents should be large enough to fully capture the transmitted energy. The grid step should be fine enough to demonstrate that the integrated Power Density iPD_n fulfill the criterion described below. Since iPD ratio between the two distances is ≥ -1 dB, the grid step (0.0625) was sufficient for determining compliance at d=2mm.

$$10 \cdot \log_{10} \frac{iPD_n(2mm)}{iPD_n(\lambda/5)} \geq -1$$

NFC Note:

1. NFC mainly operate in hand-held extremity exposure conditions, therefore Standalone 10-g extremity SAR testing is required.
2. NFC SAR is measured for all edges and surfaces of the device with a transmitting antenna located within 25 mm from that surface or edge.

14.1 Head SAR

<GSM SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM850_Ant 0	GPRS (4 Tx slots)	Right Cheek	0mm	2	189	836.4	29.73	30.30	1.140	0.09	0.388	0.442
	GSM850_Ant 0	GPRS (4 Tx slots)	Right Tilted	0mm	2	189	836.4	29.73	30.30	1.140	0.14	0.202	0.230
	GSM850_Ant 0	GPRS (4 Tx slots)	Left Cheek	0mm	2	189	836.4	29.73	30.30	1.140	0.1	0.546	0.623
	GSM850_Ant 0	GPRS (4 Tx slots)	Left Tilted	0mm	2	189	836.4	29.73	30.30	1.140	0.11	0.295	0.336
	GSM850_Ant 0	GPRS (4 Tx slots)	Right Cheek	0mm	3	189	836.4	28.40	29.20	1.202	0.18	0.251	0.302
	GSM850_Ant 0	GPRS (4 Tx slots)	Right Tilted	0mm	3	189	836.4	28.40	29.20	1.202	0.02	0.130	0.156
	GSM850_Ant 0	GPRS (4 Tx slots)	Left Cheek	0mm	3	189	836.4	28.40	29.20	1.202	0.13	0.322	0.387
	GSM850_Ant 0	GPRS (4 Tx slots)	Left Tilted	0mm	3	189	836.4	28.40	29.20	1.202	0.02	0.209	0.251
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	2	189	836.4	23.74	25.30	1.432	0.09	0.561	0.803
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	2	128	824.2	23.71	25.30	1.442	-0.02	0.471	0.679
01	GSM850_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	2	251	848.8	23.72	25.30	1.439	-0.02	0.583	0.839
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Tilted	0mm	2	189	836.4	23.74	25.30	1.432	0.01	0.445	0.637
	GSM850_Ant 1	GPRS (4 Tx slots)	Left Cheek	0mm	2	189	836.4	23.74	25.30	1.432	0	0.372	0.533
	GSM850_Ant 1	GPRS (4 Tx slots)	Left Tilted	0mm	2	189	836.4	23.74	25.30	1.432	0.02	0.384	0.550
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	3	189	836.4	23.74	24.60	1.219	0.09	0.561	0.684
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Tilted	0mm	3	189	836.4	23.74	24.60	1.219	0.01	0.445	0.542
	GSM850_Ant 1	GPRS (4 Tx slots)	Left Cheek	0mm	3	189	836.4	23.74	24.60	1.219	0	0.372	0.453
	GSM850_Ant 1	GPRS (4 Tx slots)	Left Tilted	0mm	3	189	836.4	23.74	24.60	1.219	0.02	0.384	0.468
02	GSM1900_Ant 2	GPRS (4 Tx slots)	Right Cheek	0mm	2/3	661	1880	26.56	27.40	1.213	0.19	0.483	0.586
	GSM1900_Ant 2	GPRS (4 Tx slots)	Right Tilted	0mm	2/3	661	1880	26.56	27.40	1.213	-0.05	0.179	0.217
	GSM1900_Ant 2	GPRS (4 Tx slots)	Left Cheek	0mm	2/3	661	1880	26.56	27.40	1.213	0.09	0.220	0.267
	GSM1900_Ant 2	GPRS (4 Tx slots)	Left Tilted	0mm	2/3	661	1880	26.56	27.40	1.213	0.18	0.174	0.211
	GSM1900_Ant 0	GPRS (4 Tx slots)	Right Cheek	0mm	2/3	661	1880	25.85	26.70	1.216	0.03	0.026	0.032
	GSM1900_Ant 0	GPRS (4 Tx slots)	Right Tilted	0mm	2/3	661	1880	25.85	26.70	1.216	-0.17	0.020	0.024
	GSM1900_Ant 0	GPRS (4 Tx slots)	Left Cheek	0mm	2/3	661	1880	25.85	26.70	1.216	0.04	0.050	0.061
	GSM1900_Ant 0	GPRS (4 Tx slots)	Left Tilted	0mm	2/3	661	1880	25.85	26.70	1.216	0.17	0.044	0.054

<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
03	WCDMA II_Ant 2	RMC 12.2Kbps	Right Cheek	0mm	2/3	9400	1880	24.03	25.50	1.403	-0.01	0.457	0.641
	WCDMA II_Ant 2	RMC 12.2Kbps	Right Tilted	0mm	2/3	9400	1880	24.03	25.50	1.403	0.02	0.198	0.278
	WCDMA II_Ant 2	RMC 12.2Kbps	Left Cheek	0mm	2/3	9400	1880	24.03	25.50	1.403	0.04	0.218	0.306
	WCDMA II_Ant 2	RMC 12.2Kbps	Left Tilted	0mm	2/3	9400	1880	24.03	25.50	1.403	0.02	0.216	0.303
	WCDMA II_Ant 0	RMC 12.2Kbps	Right Cheek	0mm	2/3	9400	1880	24.36	25.50	1.300	0.03	0.043	0.056
	WCDMA II_Ant 0	RMC 12.2Kbps	Right Tilted	0mm	2/3	9400	1880	24.36	25.50	1.300	0	0.001	0.001
	WCDMA II_Ant 0	RMC 12.2Kbps	Left Cheek	0mm	2/3	9400	1880	24.36	25.50	1.300	-0.01	0.055	0.072
	WCDMA II_Ant 0	RMC 12.2Kbps	Left Tilted	0mm	2/3	9400	1880	24.36	25.50	1.300	0	0.001	0.001
04	WCDMA IV_Ant 2	RMC 12.2Kbps	Right Cheek	0mm	2/3	1413	1732.6	24.09	25.50	1.384	0.12	0.425	0.588
	WCDMA IV_Ant 2	RMC 12.2Kbps	Right Tilted	0mm	2/3	1413	1732.6	24.09	25.50	1.384	0.02	0.167	0.231
	WCDMA IV_Ant 2	RMC 12.2Kbps	Left Cheek	0mm	2/3	1413	1732.6	24.09	25.50	1.384	-0.05	0.210	0.291
	WCDMA IV_Ant 2	RMC 12.2Kbps	Left Tilted	0mm	2/3	1413	1732.6	24.09	25.50	1.384	0.04	0.207	0.286
	WCDMA IV_Ant 0	RMC 12.2Kbps	Right Cheek	0mm	2/3	1413	1732.6	24.37	25.50	1.297	-0.02	0.045	0.058
	WCDMA IV_Ant 0	RMC 12.2Kbps	Right Tilted	0mm	2/3	1413	1732.6	24.37	25.50	1.297	0.05	0.040	0.052
	WCDMA IV_Ant 0	RMC 12.2Kbps	Left Cheek	0mm	2/3	1413	1732.6	24.37	25.50	1.297	0.06	0.080	0.104
	WCDMA IV_Ant 0	RMC 12.2Kbps	Left Tilted	0mm	2/3	1413	1732.6	24.37	25.50	1.297	0.04	0.077	0.100
	WCDMA V_Ant 0	RMC 12.2Kbps	Right Cheek	0mm	2/3	4182	836.4	24.49	25.50	1.262	0.06	0.233	0.294
	WCDMA V_Ant 0	RMC 12.2Kbps	Right Tilted	0mm	2/3	4182	836.4	24.49	25.50	1.262	0.01	0.113	0.143
	WCDMA V_Ant 0	RMC 12.2Kbps	Left Cheek	0mm	2/3	4182	836.4	24.49	25.50	1.262	-0.07	0.312	0.394
	WCDMA V_Ant 0	RMC 12.2Kbps	Left Tilted	0mm	2/3	4182	836.4	24.49	25.50	1.262	0.1	0.160	0.202
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	2	4182	836.4	21.97	23.40	1.390	0.08	0.612	0.851
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	2	4132	826.4	21.82	23.40	1.439	0.01	0.601	0.865
05	WCDMA V_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	2	4233	846.6	21.69	23.40	1.483	0.06	0.609	0.903
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	2	4182	836.4	21.97	23.40	1.390	0.03	0.297	0.413
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Cheek	0mm	2	4182	836.4	21.97	23.40	1.390	-0.05	0.368	0.512
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Tilted	0mm	2	4182	836.4	21.97	23.40	1.390	-0.08	0.281	0.391
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	3	4182	836.4	21.97	22.70	1.183	0.08	0.612	0.724
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	3	4182	836.4	21.97	22.70	1.183	0.03	0.297	0.351
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Cheek	0mm	3	4182	836.4	21.97	22.70	1.183	-0.05	0.368	0.435
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Tilted	0mm	3	4182	836.4	21.97	22.70	1.183	-0.08	0.281	0.332



<LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
06	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	21100	2535	23.98	25.00	1.265			-0.09	0.651	0.823
	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	20850	2510	23.88	25.00	1.294			0.02	0.620	0.802
	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	21350	2560	23.97	25.00	1.268			-0.01	0.631	0.800
	LTE Band 7_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	2	21100	2535	23.00	24.00	1.259			0.13	0.530	0.667
	LTE Band 7_Ant 2	20M	QPSK	100	0	Right Cheek	0mm	2	21100	2535	22.97	24.00	1.268			0.04	0.521	0.660
	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	2	21100	2535	23.98	25.00	1.265			-0.07	0.158	0.200
	LTE Band 7_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	2	21100	2535	23.00	24.00	1.259			0.15	0.136	0.171
	LTE Band 7_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	2	21100	2535	23.98	25.00	1.265			0.06	0.281	0.355
	LTE Band 7_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	2	21100	2535	23.00	24.00	1.259			0.05	0.221	0.278
	LTE Band 7_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	2	21100	2535	23.98	25.00	1.265			-0.04	0.253	0.320
	LTE Band 7_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	2	21100	2535	23.00	24.00	1.259			0.02	0.217	0.273
	CA_7C_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	21350	2560	22.89	24.50	1.449			0.05	0.490	0.710
	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	21100	2535	23.98	24.20	1.052			-0.09	0.651	0.685
	LTE Band 7_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	3	21100	2535	23.00	24.00	1.259			0.13	0.530	0.667
	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	3	21100	2535	23.98	24.20	1.052			-0.07	0.158	0.166
	LTE Band 7_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	3	21100	2535	23.00	24.00	1.259			0.15	0.136	0.171
	LTE Band 7_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	3	21100	2535	23.98	24.20	1.052			0.06	0.281	0.296
	LTE Band 7_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	3	21100	2535	23.00	24.00	1.259			0.05	0.221	0.278
	LTE Band 7_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	3	21100	2535	23.98	24.20	1.052			-0.04	0.253	0.266
	LTE Band 7_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	3	21100	2535	23.00	24.00	1.259			0.02	0.217	0.273
	CA_7C_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	21350	2560	22.89	24.20	1.352			0.05	0.471	0.637
	LTE Band 7_Ant 0	20M	QPSK	1	0	Right Cheek	0mm	2/3	21100	2535	24.10	25.00	1.230			0.13	0.043	0.053
	LTE Band 7_Ant 0	20M	QPSK	50	0	Right Cheek	0mm	2/3	21100	2535	23.06	24.00	1.242			0.12	0.036	0.045
	LTE Band 7_Ant 0	20M	QPSK	1	0	Right Tilted	0mm	2/3	21100	2535	24.10	25.00	1.230			0.08	0.028	0.034
	LTE Band 7_Ant 0	20M	QPSK	50	0	Right Tilted	0mm	2/3	21100	2535	23.06	24.00	1.242			-0.17	0.001	0.001
	LTE Band 7_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	21100	2535	24.10	25.00	1.230			-0.01	0.135	0.166
	LTE Band 7_Ant 0	20M	QPSK	50	0	Left Cheek	0mm	2/3	21100	2535	23.06	24.00	1.242			-0.03	0.094	0.117
	LTE Band 7_Ant 0	20M	QPSK	1	0	Left Tilted	0mm	2/3	21100	2535	24.10	25.00	1.230			0.14	0.001	0.001
	LTE Band 7_Ant 0	20M	QPSK	50	0	Left Tilted	0mm	2/3	21100	2535	23.06	24.00	1.242			0.11	0.001	0.001
	CA_7C_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	21350	2560	23.11	24.50	1.377			0.02	0.105	0.145
	LTE Band 12_Ant 0	10M	QPSK	1	0	Right Cheek	0mm	2/3	23095	707.5	24.36	25.00	1.159			0.01	0.151	0.175
	LTE Band 12_Ant 0	10M	QPSK	25	0	Right Cheek	0mm	2/3	23095	707.5	23.38	24.00	1.153			0.01	0.120	0.138
	LTE Band 12_Ant 0	10M	QPSK	1	0	Right Tilted	0mm	2/3	23095	707.5	24.36	25.00	1.159			0.03	0.096	0.111
	LTE Band 12_Ant 0	10M	QPSK	25	0	Right Tilted	0mm	2/3	23095	707.5	23.38	24.00	1.153			-0.08	0.001	0.001
	LTE Band 12_Ant 0	10M	QPSK	1	0	Left Cheek	0mm	2/3	23095	707.5	24.36	25.00	1.159			0.1	0.202	0.234
	LTE Band 12_Ant 0	10M	QPSK	25	0	Left Cheek	0mm	2/3	23095	707.5	23.38	24.00	1.153			-0.08	0.165	0.190
	LTE Band 12_Ant 0	10M	QPSK	1	0	Left Tilted	0mm	2/3	23095	707.5	24.36	25.00	1.159			0.1	0.106	0.123
	LTE Band 12_Ant 0	10M	QPSK	25	0	Left Tilted	0mm	2/3	23095	707.5	23.38	24.00	1.153			-0.18	0.102	0.118
	LTE Band 12_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	2	23095	707.5	22.17	23.80	1.455			-0.08	0.531	0.773
07	LTE Band 12_Ant 1	10M	QPSK	25	0	Right Cheek	0mm	2	23095	707.5	22.12	23.80	1.472			0.07	0.546	0.804
	LTE Band 12_Ant 1	10M	QPSK	50	0	Right Cheek	0mm	2	23095	707.5	22.13	23.80	1.469			0.1	0.545	0.801
	LTE Band 12_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	2	23095	707.5	22.17	23.80	1.455			-0.18	0.495	0.720
	LTE Band 12_Ant 1	10M	QPSK	25	0	Right Tilted	0mm	2	23095	707.5	22.12	23.80	1.472			0.1	0.498	0.733
	LTE Band 12_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	2	23095	707.5	22.17	23.80	1.455			-0.01	0.539	0.784
	LTE Band 12_Ant 1	10M	QPSK	25	0	Left Cheek	0mm	2	23095	707.5	22.12	23.80	1.472			-0.17	0.454	0.668
	LTE Band 12_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	2	23095	707.5	22.17	23.80	1.455			-0.03	0.509	0.741
	LTE Band 12_Ant 1	10M	QPSK	25	0	Left Tilted	0mm	2	23095	707.5	22.12	23.80	1.472			-0.01	0.437	0.643
	LTE Band 12_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	3	23095	707.5	22.17	23.10	1.239			-0.08	0.531	0.658
	LTE Band 12_Ant 1	10M	QPSK	25	0	Right Cheek	0mm	3	23095	707.5	22.12	23.10	1.253			0.07	0.546	0.684
	LTE Band 12_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	3	23095	707.5	22.17	23.10	1.239			-0.18	0.495	0.613



FCC SAR TEST REPORT

Report No. : FA4N0919C

	LTE Band 12_Ant 1	10M	QPSK	25	0	Right Tilted	0mm	3	23095	707.5	22.12	23.10	1.253			0.1	0.498	0.624
	LTE Band 12_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	3	23095	707.5	22.17	23.10	1.239			-0.01	0.539	0.668
	LTE Band 12_Ant 1	10M	QPSK	25	0	Left Cheek	0mm	3	23095	707.5	22.12	23.10	1.253			-0.17	0.454	0.569
	LTE Band 12_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	3	23095	707.5	22.17	23.10	1.239			-0.03	0.509	0.631
	LTE Band 12_Ant 1	10M	QPSK	25	0	Left Tilted	0mm	3	23095	707.5	22.12	23.10	1.253			-0.01	0.437	0.548
	LTE Band 13_Ant 0	10M	QPSK	1	0	Right Cheek	0mm	2/3	23230	782	24.14	25.00	1.219			0	0.207	0.252
	LTE Band 13_Ant 0	10M	QPSK	25	0	Right Cheek	0mm	2/3	23230	782	23.12	24.00	1.225			0.12	0.161	0.197
	LTE Band 13_Ant 0	10M	QPSK	1	0	Right Tilted	0mm	2/3	23230	782	24.14	25.00	1.219			0.08	0.147	0.179
	LTE Band 13_Ant 0	10M	QPSK	25	0	Right Tilted	0mm	2/3	23230	782	23.12	24.00	1.225			-0.17	0.115	0.141
	LTE Band 13_Ant 0	10M	QPSK	1	0	Left Cheek	0mm	2/3	23230	782	24.14	25.00	1.219			0.07	0.255	0.311
	LTE Band 13_Ant 0	10M	QPSK	25	0	Left Cheek	0mm	2/3	23230	782	23.12	24.00	1.225			-0.03	0.201	0.246
	LTE Band 13_Ant 0	10M	QPSK	1	0	Left Tilted	0mm	2/3	23230	782	24.14	25.00	1.219			0.14	0.188	0.229
	LTE Band 13_Ant 0	10M	QPSK	25	0	Left Tilted	0mm	2/3	23230	782	23.12	24.00	1.225			0.11	0.146	0.179
	LTE Band 13_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	2	23230	782	22.20	23.90	1.479			0.18	0.566	0.837
08	LTE Band 13_Ant 1	10M	QPSK	25	0	Right Cheek	0mm	2	23230	782	22.13	23.90	1.503			0.08	0.560	0.842
	LTE Band 13_Ant 1	10M	QPSK	50	0	Right Cheek	0mm	2	23230	782	22.15	23.90	1.496			0.14	0.551	0.824
	LTE Band 13_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	2	23230	782	22.20	23.90	1.479			-0.17	0.457	0.676
	LTE Band 13_Ant 1	10M	QPSK	25	0	Right Tilted	0mm	2	23230	782	22.13	23.90	1.503			0.17	0.455	0.684
	LTE Band 13_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	2	23230	782	22.20	23.90	1.479			0.01	0.325	0.481
	LTE Band 13_Ant 1	10M	QPSK	25	0	Left Cheek	0mm	2	23230	782	22.13	23.90	1.503			0.01	0.434	0.652
	LTE Band 13_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	2	23230	782	22.20	23.90	1.479			0.1	0.386	0.571
	LTE Band 13_Ant 1	10M	QPSK	25	0	Left Tilted	0mm	2	23230	782	22.13	23.90	1.503			-0.02	0.384	0.577
	LTE Band 13_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	3	23230	782	22.20	23.20	1.259			0.18	0.566	0.713
	LTE Band 13_Ant 1	10M	QPSK	25	0	Right Cheek	0mm	3	23230	782	22.13	23.20	1.279			0.08	0.560	0.716
	LTE Band 13_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	3	23230	782	22.20	23.20	1.259			-0.17	0.457	0.575
	LTE Band 13_Ant 1	10M	QPSK	25	0	Right Tilted	0mm	3	23230	782	22.13	23.20	1.279			0.17	0.455	0.582
	LTE Band 13_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	3	23230	782	22.20	23.20	1.259			0.01	0.325	0.409
	LTE Band 13_Ant 1	10M	QPSK	25	0	Left Cheek	0mm	3	23230	782	22.13	23.20	1.279			0.01	0.434	0.555
	LTE Band 13_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	3	23230	782	22.20	23.20	1.259			0.1	0.386	0.486
	LTE Band 13_Ant 1	10M	QPSK	25	0	Left Tilted	0mm	3	23230	782	22.13	23.20	1.279			-0.02	0.384	0.491
	LTE Band 14_Ant 0	10M	QPSK	1	0	Right Cheek	0mm	2/3	23330	793	24.04	25.00	1.247			0	0.189	0.236
	LTE Band 14_Ant 0	10M	QPSK	25	0	Right Cheek	0mm	2/3	23330	793	23.03	24.00	1.250			0.18	0.160	0.200
	LTE Band 14_Ant 0	10M	QPSK	1	0	Right Tilted	0mm	2/3	23330	793	24.04	25.00	1.247			0.14	0.155	0.193
	LTE Band 14_Ant 0	10M	QPSK	25	0	Right Tilted	0mm	2/3	23330	793	23.03	24.00	1.250			-0.17	0.120	0.150
	LTE Band 14_Ant 0	10M	QPSK	1	0	Left Cheek	0mm	2/3	23330	793	24.04	25.00	1.247			0.12	0.264	0.329
	LTE Band 14_Ant 0	10M	QPSK	25	0	Left Cheek	0mm	2/3	23330	793	23.03	24.00	1.250			0.17	0.206	0.258
	LTE Band 14_Ant 0	10M	QPSK	1	0	Left Tilted	0mm	2/3	23330	793	24.04	25.00	1.247			-0.05	0.183	0.228
	LTE Band 14_Ant 0	10M	QPSK	25	0	Left Tilted	0mm	2/3	23330	793	23.03	24.00	1.250			0.01	0.146	0.183
	LTE Band 14_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	2	23330	793	22.43	24.00	1.435			-0.17	0.583	0.837
09	LTE Band 14_Ant 1	10M	QPSK	25	0	Right Cheek	0mm	2	23330	793	22.43	24.00	1.435			0.02	0.627	0.900
	LTE Band 14_Ant 1	10M	QPSK	50	0	Right Cheek	0mm	2	23330	793	22.41	24.00	1.442			0.04	0.448	0.646
	LTE Band 14_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	2	23330	793	22.43	24.00	1.435			-0.01	0.608	0.873
	LTE Band 14_Ant 1	10M	QPSK	25	0	Right Tilted	0mm	2	23330	793	22.43	24.00	1.435			-0.08	0.604	0.867
	LTE Band 14_Ant 1	10M	QPSK	50	0	Right Tilted	0mm	2	23330	793	22.41	24.00	1.442			0.05	0.594	0.857
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	2	23330	793	22.43	24.00	1.435			-0.04	0.338	0.485
	LTE Band 14_Ant 1	10M	QPSK	25	0	Left Cheek	0mm	2	23330	793	22.43	24.00	1.435			0.06	0.333	0.478
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	2	23330	793	22.43	24.00	1.435			-0.09	0.311	0.446
	LTE Band 14_Ant 1	10M	QPSK	25	0	Left Tilted	0mm	2	23330	793	22.43	24.00	1.435			-0.08	0.304	0.436
	LTE Band 14_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	3	23330	793	22.43	23.20	1.194			-0.17	0.583	0.696
	LTE Band 14_Ant 1	10M	QPSK	25	0	Right Cheek	0mm	3	23330	793	22.43	23.20	1.194			0.02	0.627	0.749
	LTE Band 14_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	3	23330	793	22.43	23.20	1.194			-0.01	0.608	0.726
	LTE Band 14_Ant 1	10M	QPSK	25	0	Right Tilted	0mm	3	23330	793	22.43	23.20	1.194			-0.08	0.604	0.721
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	3	23330	793	22.43	23.20	1.194			-0.04	0.338	0.404
	LTE Band 14_Ant 1	10M	QPSK	25	0	Left Cheek	0mm	3	23330	793	22.43	23.20	1.194			0.06	0.333	0.398
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	3	23330	793	22.43	23.20	1.194			-0.09	0.311	0.371



FCC SAR TEST REPORT

Report No. : FA4N0919C

	LTE Band 14_Ant 1	10M	QPSK	25	0	Left Tilted	0mm	3	23330	793	22.43	23.20	1.194			-0.08	0.304	0.363
	LTE Band 25_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2/3	26340	1880	23.66	25.00	1.361			0.01	0.462	0.629
	LTE Band 25_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	2/3	26340	1880	22.62	24.00	1.374			0.01	0.449	0.617
	LTE Band 25_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	2/3	26340	1880	23.66	25.00	1.361			-0.02	0.172	0.234
	LTE Band 25_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	2/3	26340	1880	22.62	24.00	1.374			0.05	0.157	0.216
	LTE Band 25_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	2/3	26340	1880	23.66	25.00	1.361			0	0.221	0.301
	LTE Band 25_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	2/3	26340	1880	22.62	24.00	1.374			0.01	0.213	0.293
	LTE Band 25_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	2/3	26340	1880	23.66	25.00	1.361			0.05	0.205	0.279
	LTE Band 25_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	2/3	26340	1880	22.62	24.00	1.374			-0.01	0.199	0.273
	LTE Band 25_Ant 0	20M	QPSK	1	0	Right Cheek	0mm	2/3	26340	1880	23.76	25.00	1.330			0.13	0.027	0.036
	LTE Band 25_Ant 0	20M	QPSK	50	0	Right Cheek	0mm	2/3	26340	1880	22.73	24.00	1.340			0.12	0.025	0.033
	LTE Band 25_Ant 0	20M	QPSK	1	0	Right Tilted	0mm	2/3	26340	1880	23.76	25.00	1.330			0	0.001	0.001
	LTE Band 25_Ant 0	20M	QPSK	50	0	Right Tilted	0mm	2/3	26340	1880	22.73	24.00	1.340			0	0.001	0.001
	LTE Band 25_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	26340	1880	23.76	25.00	1.330			-0.14	0.047	0.063
	LTE Band 25_Ant 0	20M	QPSK	50	0	Left Cheek	0mm	2/3	26340	1880	22.73	24.00	1.340			0.08	0.038	0.051
	LTE Band 25_Ant 0	20M	QPSK	1	0	Left Tilted	0mm	2/3	26340	1880	23.76	25.00	1.330			0	0.001	0.001
	LTE Band 25_Ant 0	20M	QPSK	50	0	Left Tilted	0mm	2/3	26340	1880	22.73	24.00	1.340			0	0.001	0.001
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	2	26340	1880	16.87	18.40	1.422			0.02	0.557	0.792
	LTE Band 25_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	2	26340	1880	16.85	18.40	1.429			0	0.576	0.823
	LTE Band 25_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	2	26140	1860	16.80	18.40	1.445			0.04	0.544	0.786
	LTE Band 25_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	2	26590	1905	16.80	18.40	1.445			0.06	0.538	0.778
	LTE Band 25_Ant 1	20M	QPSK	100	0	Right Cheek	0mm	2	26340	1880	16.81	18.40	1.442			0.01	0.564	0.813
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	2	26340	1880	16.87	18.40	1.422			0.04	0.349	0.496
	LTE Band 25_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	2	26340	1880	16.85	18.40	1.429			0.06	0.366	0.523
	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Cheek	0mm	2	26340	1880	16.87	18.40	1.422			0.03	0.130	0.185
	LTE Band 25_Ant 1	20M	QPSK	50	0	Left Cheek	0mm	2	26340	1880	16.85	18.40	1.429			-0.04	0.137	0.196
	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Tilted	0mm	2	26340	1880	16.87	18.40	1.422			0.01	0.126	0.179
	LTE Band 25_Ant 1	20M	QPSK	50	0	Left Tilted	0mm	2	26340	1880	16.85	18.40	1.429			0.05	0.130	0.186
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	3	26340	1880	16.87	17.70	1.211			0.02	0.557	0.674
	LTE Band 25_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	3	26340	1880	16.85	17.70	1.216			0	0.576	0.701
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	3	26340	1880	16.87	17.70	1.211			0.04	0.349	0.422
	LTE Band 25_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	3	26340	1880	16.85	17.70	1.216			0.06	0.366	0.445
	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Cheek	0mm	3	26340	1880	16.87	17.70	1.211			0.03	0.130	0.157
	LTE Band 25_Ant 1	20M	QPSK	50	0	Left Cheek	0mm	3	26340	1880	16.85	17.70	1.216			-0.04	0.137	0.167
	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Tilted	0mm	3	26340	1880	16.87	17.70	1.211			0.01	0.126	0.153
	LTE Band 25_Ant 1	20M	QPSK	50	0	Left Tilted	0mm	3	26340	1880	16.85	17.70	1.216			0.05	0.130	0.158
	LTE Band 25_Ant 5	20M	QPSK	1	0	Right Cheek	0mm	2	26340	1880	18.42	20.00	1.439			-0.01	0.389	0.560
	LTE Band 25_Ant 5	20M	QPSK	50	0	Right Cheek	0mm	2	26340	1880	18.41	20.00	1.442			0.02	0.386	0.557
	LTE Band 25_Ant 5	20M	QPSK	1	0	Right Tilted	0mm	2	26340	1880	18.42	20.00	1.439			0.01	0.088	0.127
	LTE Band 25_Ant 5	20M	QPSK	50	0	Right Tilted	0mm	2	26340	1880	18.41	20.00	1.442			-0.02	0.092	0.133
10	LTE Band 25_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	2	26340	1880	18.42	20.00	1.439			0.01	0.578	0.832
	LTE Band 25_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	2	26140	1860	18.35	20.00	1.462			0.02	0.544	0.795
	LTE Band 25_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	2	26590	1905	18.31	20.00	1.476			-0.01	0.542	0.800
	LTE Band 25_Ant 5	20M	QPSK	50	0	Left Cheek	0mm	2	26340	1880	18.41	20.00	1.442			0.05	0.574	0.828
	LTE Band 25_Ant 5	20M	QPSK	50	0	Left Cheek	0mm	2	26140	1860	18.33	20.00	1.469			0.05	0.560	0.823
	LTE Band 25_Ant 5	20M	QPSK	50	0	Left Cheek	0mm	2	26590	1905	18.33	20.00	1.469			0.02	0.552	0.811
	LTE Band 25_Ant 5	20M	QPSK	100	0	Left Cheek	0mm	2	26340	1880	18.36	20.00	1.459			-0.02	0.554	0.808
	LTE Band 25_Ant 5	20M	QPSK	1	0	Left Tilted	0mm	2	26340	1880	18.42	20.00	1.439			0.01	0.097	0.140
	LTE Band 25_Ant 5	20M	QPSK	50	0	Left Tilted	0mm	2	26340	1880	18.41	20.00	1.442			0.09	0.099	0.143
	LTE Band 25_Ant 5	20M	QPSK	1	0	Right Cheek	0mm	3	26340	1880	18.42	19.00	1.143			-0.01	0.389	0.445
	LTE Band 25_Ant 5	20M	QPSK	50	0	Right Cheek	0mm	3	26340	1880	18.41	19.00	1.146			0.02	0.386	0.442
	LTE Band 25_Ant 5	20M	QPSK	1	0	Right Tilted	0mm	3	26340	1880	18.42	19.00	1.143			0.01	0.088	0.101
	LTE Band 25_Ant 5	20M	QPSK	50	0	Right Tilted	0mm	3	26340	1880	18.41	19.00	1.146			-0.02	0.092	0.105
	LTE Band 25_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	3	26340	1880	18.42	19.00	1.143			0.01	0.578	0.661
	LTE Band 25_Ant 5	20M	QPSK	50	0	Left Cheek	0mm	3	26340	1880	18.41	19.00	1.146			0.05	0.574	0.658



FCC SAR TEST REPORT

Report No. : FA4N0919C

	LTE Band 25_Ant 5	20M	QPSK	1	0	Left Tilted	0mm	3	26340	1880	18.42	19.00	1.143			0.01	0.097	0.111
	LTE Band 25_Ant 5	20M	QPSK	50	0	Left Tilted	0mm	3	26340	1880	18.41	19.00	1.146			0.09	0.099	0.113
	LTE Band 26_Ant 0	15M	QPSK	1	0	Right Cheek	0mm	2/3	26865	831.5	24.03	25.00	1.250			-0.05	0.203	0.254
	LTE Band 26_Ant 0	15M	QPSK	36	0	Right Cheek	0mm	2/3	26865	831.5	23.04	24.00	1.247			0.02	0.177	0.221
	LTE Band 26_Ant 0	15M	QPSK	1	0	Right Tilted	0mm	2/3	26865	831.5	24.03	25.00	1.250			0.01	0.146	0.183
	LTE Band 26_Ant 0	15M	QPSK	36	0	Right Tilted	0mm	2/3	26865	831.5	23.04	24.00	1.247			-0.08	0.122	0.152
	LTE Band 26_Ant 0	15M	QPSK	1	0	Left Cheek	0mm	2/3	26865	831.5	24.03	25.00	1.250			0.13	0.342	0.428
	LTE Band 26_Ant 0	15M	QPSK	36	0	Left Cheek	0mm	2/3	26865	831.5	23.04	24.00	1.247			0.06	0.290	0.362
	LTE Band 26_Ant 0	15M	QPSK	1	0	Left Tilted	0mm	2/3	26865	831.5	24.03	25.00	1.250			-0.03	0.189	0.236
	LTE Band 26_Ant 0	15M	QPSK	36	0	Left Tilted	0mm	2/3	26865	831.5	23.04	24.00	1.247			0.11	0.152	0.190
	CA_5B_Ant 0	10M	QPSK	1	0	Left Cheek	0mm	2/3	20574	841.4	22.73	24.00	1.340			0.09	0.252	0.338
	LTE Band 26_Ant 1	15M	QPSK	1	0	Right Cheek	0mm	2	26865	831.5	21.96	23.50	1.426			0.01	0.445	0.634
11	LTE Band 26_Ant 1	15M	QPSK	36	0	Right Cheek	0mm	2	26865	831.5	21.94	23.50	1.432			-0.1	0.557	0.798
	LTE Band 26_Ant 1	15M	QPSK	1	0	Right Tilted	0mm	2	26865	831.5	21.96	23.50	1.426			0.19	0.329	0.469
	LTE Band 26_Ant 1	15M	QPSK	36	0	Right Tilted	0mm	2	26865	831.5	21.94	23.50	1.432			0.07	0.450	0.644
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Cheek	0mm	2	26865	831.5	21.96	23.50	1.426			-0.02	0.398	0.567
	LTE Band 26_Ant 1	15M	QPSK	36	0	Left Cheek	0mm	2	26865	831.5	21.94	23.50	1.432			0.03	0.386	0.553
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Tilted	0mm	2	26865	831.5	21.96	23.50	1.426			-0.15	0.433	0.617
	LTE Band 26_Ant 1	15M	QPSK	36	0	Left Tilted	0mm	2	26865	831.5	21.94	23.50	1.432			-0.15	0.439	0.629
	CA_5B_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	2	20574	841.4	21.96	23.50	1.426			-0.1	0.442	0.630
	LTE Band 26_Ant 1	15M	QPSK	1	0	Right Cheek	0mm	3	26865	831.5	21.96	22.40	1.107			0.01	0.445	0.492
	LTE Band 26_Ant 1	15M	QPSK	36	0	Right Cheek	0mm	3	26865	831.5	21.94	22.40	1.112			-0.1	0.557	0.619
	LTE Band 26_Ant 1	15M	QPSK	1	0	Right Tilted	0mm	3	26865	831.5	21.96	22.40	1.107			0.19	0.329	0.364
	LTE Band 26_Ant 1	15M	QPSK	36	0	Right Tilted	0mm	3	26865	831.5	21.94	22.40	1.112			0.07	0.450	0.500
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Cheek	0mm	3	26865	831.5	21.96	22.40	1.107			-0.02	0.398	0.440
	LTE Band 26_Ant 1	15M	QPSK	36	0	Left Cheek	0mm	3	26865	831.5	21.94	22.40	1.112			0.03	0.386	0.429
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Tilted	0mm	3	26865	831.5	21.96	22.40	1.107			-0.15	0.433	0.479
	LTE Band 26_Ant 1	15M	QPSK	36	0	Left Tilted	0mm	3	26865	831.5	21.94	22.40	1.112			-0.15	0.439	0.488
	CA_5B_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	2	20574	841.4	21.96	22.40	1.107			-0.1	0.442	0.489
12	LTE Band 30_Ant 2	10M	QPSK	1	0	Right Cheek	0mm	2/3	27710	2310	22.71	23.80	1.285			0.11	0.512	0.658
	LTE Band 30_Ant 2	10M	QPSK	25	0	Right Cheek	0mm	2/3	27710	2310	22.53	23.60	1.279			0.03	0.490	0.627
	LTE Band 30_Ant 2	10M	QPSK	1	0	Right Tilted	0mm	2/3	27710	2310	22.71	23.80	1.285			0.05	0.161	0.207
	LTE Band 30_Ant 2	10M	QPSK	25	0	Right Tilted	0mm	2/3	27710	2310	22.53	23.60	1.279			-0.09	0.139	0.178
	LTE Band 30_Ant 2	10M	QPSK	1	0	Left Cheek	0mm	2/3	27710	2310	22.71	23.80	1.285			-0.14	0.235	0.302
	LTE Band 30_Ant 2	10M	QPSK	25	0	Left Cheek	0mm	2/3	27710	2310	22.53	23.60	1.279			0.02	0.224	0.287
	LTE Band 30_Ant 2	10M	QPSK	1	0	Left Tilted	0mm	2/3	27710	2310	22.71	23.80	1.285			0.01	0.189	0.243
	LTE Band 30_Ant 2	10M	QPSK	25	0	Left Tilted	0mm	2/3	27710	2310	22.53	23.60	1.279			-0.05	0.177	0.226
	LTE Band 30_Ant 0	10M	QPSK	1	0	Right Cheek	0mm	2/3	27710	2310	20.22	21.50	1.343			0.12	0.041	0.055
	LTE Band 30_Ant 0	10M	QPSK	25	0	Right Cheek	0mm	2/3	27710	2310	20.25	21.50	1.334			0.03	0.040	0.053
	LTE Band 30_Ant 0	10M	QPSK	1	0	Right Tilted	0mm	2/3	27710	2310	20.22	21.50	1.343			0.08	0.001	0.001
	LTE Band 30_Ant 0	10M	QPSK	25	0	Right Tilted	0mm	2/3	27710	2310	20.25	21.50	1.334			0.1	0.001	0.001
	LTE Band 30_Ant 0	10M	QPSK	1	0	Left Cheek	0mm	2/3	27710	2310	20.22	21.50	1.343			-0.09	0.001	0.001
	LTE Band 30_Ant 0	10M	QPSK	25	0	Left Cheek	0mm	2/3	27710	2310	20.25	21.50	1.334			0.03	0.001	0.001
	LTE Band 30_Ant 0	10M	QPSK	1	0	Left Tilted	0mm	2/3	27710	2310	20.22	21.50	1.343			0.01	0.001	0.001
	LTE Band 30_Ant 0	10M	QPSK	25	0	Left Tilted	0mm	2/3	27710	2310	20.25	21.50	1.334			-0.07	0.001	0.001
13	LTE Band 38_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	38000	2595	23.96	25.10	1.300	62.9	1.006	-0.13	0.577	0.755
	LTE Band 38_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	2	38000	2595	22.90	24.10	1.318	62.9	1.006	-0.08	0.429	0.569
	LTE Band 38_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	2	38000	2595	23.96	25.10	1.300	62.9	1.006	-0.18	0.147	0.192
	LTE Band 38_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	2	38000	2595	22.90	24.10	1.318	62.9	1.006	0.17	0.112	0.149
	LTE Band 38_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	2	38000	2595	23.96	25.10	1.300	62.9	1.006	-0.02	0.251	0.328
	LTE Band 38_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	2	38000	2595	22.90	24.10	1.318	62.9	1.006	0.1	0.194	0.257
	LTE Band 38_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	2	38000	2595	23.96	25.10	1.300	62.9	1.006	0.05	0.208	0.272
	LTE Band 38_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	2	38000	2595	22.90	24.10	1.318	62.9	1.006	0.18	0.154	0.204
	LTE Band 38_HPUE_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	38000	2595	25.84	26.90	1.276	42.9	1.009	0.02	0.568	0.732
	CA_38C_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	38150	2610	22.97	24.50	1.422	62.9	1.006	0.09	0.455	0.651



FCC SAR TEST REPORT

Report No. : FA4N0919C

	LTE Band 38_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	38000	2595	23.96	24.70	1.186	62.9	1.006	-0.13	0.577	0.688
	LTE Band 38_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	3	38000	2595	22.90	24.10	1.318	62.9	1.006	-0.08	0.429	0.569
	LTE Band 38_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	3	38000	2595	23.96	24.70	1.186	62.9	1.006	-0.18	0.147	0.175
	LTE Band 38_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	3	38000	2595	22.90	24.10	1.318	62.9	1.006	0.17	0.112	0.149
	LTE Band 38_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	3	38000	2595	23.96	24.70	1.186	62.9	1.006	-0.02	0.251	0.299
	LTE Band 38_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	3	38000	2595	22.90	24.10	1.318	62.9	1.006	0.1	0.194	0.257
	LTE Band 38_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	3	38000	2595	23.96	24.70	1.186	62.9	1.006	0.05	0.208	0.248
	LTE Band 38_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	3	38000	2595	22.90	24.10	1.318	62.9	1.006	0.18	0.154	0.204
	LTE Band 38_HPUE_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	38000	2595	25.84	26.20	1.086	42.9	1.009	0.02	0.568	0.623
	CA_38C_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	38150	2610	22.97	24.50	1.422	62.9	1.006	0.09	0.455	0.651
14	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	40620	2593	23.95	25.10	1.303	62.9	1.006	-0.02	0.547	0.717
	LTE Band 41_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	2	40620	2593	22.88	24.10	1.324	62.9	1.006	0.08	0.392	0.522
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	2	40620	2593	23.95	25.10	1.303	62.9	1.006	0.01	0.136	0.178
	LTE Band 41_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	2	40620	2593	22.88	24.10	1.324	62.9	1.006	0.03	0.102	0.136
	LTE Band 41_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	2	40620	2593	23.95	25.10	1.303	62.9	1.006	0.02	0.215	0.282
	LTE Band 41_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	2	40620	2593	22.88	24.10	1.324	62.9	1.006	-0.08	0.185	0.246
	LTE Band 41_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	2	40620	2593	23.95	25.10	1.303	62.9	1.006	0.1	0.206	0.270
	LTE Band 41_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	2	40620	2593	22.88	24.10	1.324	62.9	1.006	-0.18	0.157	0.209
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	40620	2593	25.85	26.90	1.274	42.9	1.009	0.1	0.521	0.669
	CA_41C_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	41055	2636.5	22.97	24.50	1.422	62.9	1.006	0.09	0.418	0.598
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	40620	2593	23.95	24.70	1.189	62.9	1.006	-0.02	0.547	0.654
	LTE Band 41_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	3	40620	2593	22.88	24.10	1.324	62.9	1.006	0.08	0.392	0.522
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	3	40620	2593	23.95	24.70	1.189	62.9	1.006	0.01	0.136	0.163
	LTE Band 41_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	3	40620	2593	22.88	24.10	1.324	62.9	1.006	0.03	0.102	0.136
	LTE Band 41_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	3	40620	2593	23.95	24.70	1.189	62.9	1.006	0.02	0.215	0.257
	LTE Band 41_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	3	40620	2593	22.88	24.10	1.324	62.9	1.006	-0.08	0.185	0.246
	LTE Band 41_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	3	40620	2593	23.95	24.70	1.189	62.9	1.006	0.1	0.206	0.246
	LTE Band 41_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	3	40620	2593	22.88	24.10	1.324	62.9	1.006	-0.18	0.157	0.209
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	40620	2593	25.85	26.20	1.084	42.9	1.009	0.1	0.521	0.570
	CA_41C_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	41055	2636.5	22.97	24.50	1.422	62.9	1.006	0.09	0.418	0.598
	LTE Band 41_Ant 0	20M	QPSK	1	0	Right Cheek	0mm	2	40620	2593	24.01	25.10	1.285	62.9	1.006	0.08	0.001	0.001
	LTE Band 41_Ant 0	20M	QPSK	50	0	Right Cheek	0mm	2	40620	2593	22.95	24.10	1.303	62.9	1.006	0.01	0.001	0.001
	LTE Band 41_Ant 0	20M	QPSK	1	0	Right Tilted	0mm	2	40620	2593	24.01	25.10	1.285	62.9	1.006	0.03	0.001	0.001
	LTE Band 41_Ant 0	20M	QPSK	50	0	Right Tilted	0mm	2	40620	2593	22.95	24.10	1.303	62.9	1.006	-0.08	0.001	0.001
	LTE Band 41_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2	40620	2593	24.01	25.10	1.285	62.9	1.006	0.17	0.084	0.109
	LTE Band 41_Ant 0	20M	QPSK	50	0	Left Cheek	0mm	2	40620	2593	22.95	24.10	1.303	62.9	1.006	-0.08	0.072	0.094
	LTE Band 41_Ant 0	20M	QPSK	1	0	Left Tilted	0mm	2	40620	2593	24.01	25.10	1.285	62.9	1.006	0.1	0.001	0.001
	LTE Band 41_Ant 0	20M	QPSK	50	0	Left Tilted	0mm	2	40620	2593	22.95	24.10	1.303	62.9	1.006	-0.18	0.001	0.001
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2	40620	2593	25.91	26.70	1.199	42.9	1.009	0.1	0.082	0.099
	CA_41C_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2	41055	2636.5	22.91	24.50	1.442	62.9	1.006	0.17	0.064	0.093
	LTE Band 41_Ant 0	20M	QPSK	1	0	Right Cheek	0mm	3	40620	2593	24.01	25.10	1.285	62.9	1.006	0.08	0.001	0.001
	LTE Band 41_Ant 0	20M	QPSK	50	0	Right Cheek	0mm	3	40620	2593	22.95	24.10	1.303	62.9	1.006	0.01	0.001	0.001
	LTE Band 41_Ant 0	20M	QPSK	1	0	Right Tilted	0mm	3	40620	2593	24.01	25.10	1.285	62.9	1.006	0.03	0.001	0.001
	LTE Band 41_Ant 0	20M	QPSK	50	0	Right Tilted	0mm	3	40620	2593	22.95	24.10	1.303	62.9	1.006	-0.08	0.001	0.001
	LTE Band 41_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	3	40620	2593	24.01	25.10	1.285	62.9	1.006	0.17	0.084	0.109
	LTE Band 41_Ant 0	20M	QPSK	50	0	Left Cheek	0mm	3	40620	2593	22.95	24.10	1.303	62.9	1.006	-0.08	0.072	0.094
	LTE Band 41_Ant 0	20M	QPSK	1	0	Left Tilted	0mm	3	40620	2593	24.01	25.10	1.285	62.9	1.006	0.1	0.001	0.001
	LTE Band 41_Ant 0	20M	QPSK	50	0	Left Tilted	0mm	3	40620	2593	22.95	24.10	1.303	62.9	1.006	-0.18	0.001	0.001
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	3	40620	2593	25.91	26.70	1.199	42.9	1.009	0.1	0.082	0.099
	CA_41C_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	3	41055	2636.5	22.91	24.50	1.442	62.9	1.006	0.17	0.064	0.093
	LTE Band 48_Ant 6	20M	QPSK	1	0	Right Cheek	0mm	2/3	55830	3609	19.72	21.00	1.343	62.9	1.006	0.02	0.057	0.077
	LTE Band 48_Ant 6	20M	QPSK	50	0	Right Cheek	0mm	2/3	55830	3609	19.71	21.00	1.346	62.9	1.006	-0.04	0.058	0.079
	LTE Band 48_Ant 6	20M	QPSK	1	0	Right Tilted	0mm	2/3	55830	3609	19.72	21.00	1.343	62.9	1.006	0.01	0.060	0.081
	LTE Band 48_Ant 6	20M	QPSK	50	0	Right Tilted	0mm	2/3	55830	3609	19.71	21.00	1.346	62.9	1.006	0.02	0.062	0.084
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Cheek	0mm	2/3	55830	3609	19.72	21.00	1.343	62.9	1.006	0.02	0.112	0.151



FCC SAR TEST REPORT

Report No. : FA4N0919C

	LTE Band 48_Ant 6	20M	QPSK	50	0	Left Cheek	0mm	2/3	55830	3609	19.71	21.00	1.346	62.9	1.006	0.19	0.114	0.154
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Tilted	0mm	2/3	55830	3609	19.72	21.00	1.343	62.9	1.006	-0.02	0.048	0.065
	LTE Band 48_Ant 6	20M	QPSK	50	0	Left Tilted	0mm	2/3	55830	3609	19.71	21.00	1.346	62.9	1.006	0.01	0.052	0.070
15	LTE Band 48_Ant 7	20M	QPSK	1	0	Right Cheek	0mm	2/3	55830	3609	21.45	23.30	1.531	62.9	1.006	-0.16	0.112	0.173
	LTE Band 48_Ant 7	20M	QPSK	50	0	Right Cheek	0mm	2/3	55830	3609	20.58	22.00	1.387	62.9	1.006	0.11	0.098	0.137
	LTE Band 48_Ant 7	20M	QPSK	1	0	Right Tilted	0mm	2/3	55830	3609	21.45	23.30	1.531	62.9	1.006	0.14	0.050	0.077
	LTE Band 48_Ant 7	20M	QPSK	50	0	Right Tilted	0mm	2/3	55830	3609	20.58	22.00	1.387	62.9	1.006	-0.15	0.045	0.063
	LTE Band 48_Ant 7	20M	QPSK	1	0	Left Cheek	0mm	2/3	55830	3609	21.45	23.30	1.531	62.9	1.006	-0.17	0.065	0.100
	LTE Band 48_Ant 7	20M	QPSK	50	0	Left Cheek	0mm	2/3	55830	3609	20.58	22.00	1.387	62.9	1.006	-0.15	0.055	0.077
	LTE Band 48_Ant 7	20M	QPSK	1	0	Left Tilted	0mm	2/3	55830	3609	21.45	23.30	1.531	62.9	1.006	-0.19	0.064	0.099
	LTE Band 48_Ant 7	20M	QPSK	50	0	Left Tilted	0mm	2/3	55830	3609	20.58	22.00	1.387	62.9	1.006	0.04	0.060	0.084
	LTE Band 66_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2/3	132322	1745	23.88	25.00	1.294			-0.03	0.534	0.691
	LTE Band 66_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	2/3	132322	1745	22.86	24.00	1.300			-0.17	0.406	0.528
	LTE Band 66_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	2/3	132322	1745	23.88	25.00	1.294			0.17	0.246	0.318
	LTE Band 66_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	2/3	132322	1745	22.86	24.00	1.300			-0.05	0.194	0.252
	LTE Band 66_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	2/3	132322	1745	23.88	25.00	1.294			0.08	0.209	0.270
	LTE Band 66_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	2/3	132322	1745	22.86	24.00	1.300			-0.05	0.167	0.217
	LTE Band 66_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	2/3	132322	1745	23.88	25.00	1.294			0.18	0.196	0.254
	LTE Band 66_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	2/3	132322	1745	22.86	24.00	1.300			0.14	0.149	0.194
	CA_66C_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2/3	132322	1745	22.95	24.50	1.429			0.08	0.426	0.609
	CA_66B_Ant 2	15M	QPSK	1	0	Right Cheek	0mm	2/3	132322	1745	22.90	24.50	1.445			-0.03	0.424	0.613
	LTE Band 66_Ant 0	20M	QPSK	1	0	Right Cheek	0mm	2/3	132322	1745	23.91	25.00	1.285			0.02	0.046	0.059
	LTE Band 66_Ant 0	20M	QPSK	50	0	Right Cheek	0mm	2/3	132322	1745	22.89	24.00	1.291			-0.12	0.041	0.053
	LTE Band 66_Ant 0	20M	QPSK	1	0	Right Tilted	0mm	2/3	132322	1745	23.91	25.00	1.285			0.01	0.043	0.055
	LTE Band 66_Ant 0	20M	QPSK	50	0	Right Tilted	0mm	2/3	132322	1745	22.89	24.00	1.291			0	0.001	0.001
	LTE Band 66_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	132322	1745	23.91	25.00	1.285			-0.06	0.064	0.082
	LTE Band 66_Ant 0	20M	QPSK	50	0	Left Cheek	0mm	2/3	132322	1745	22.89	24.00	1.291			0.09	0.058	0.075
	LTE Band 66_Ant 0	20M	QPSK	1	0	Left Tilted	0mm	2/3	132322	1745	23.91	25.00	1.285			0.05	0.048	0.062
	LTE Band 66_Ant 0	20M	QPSK	50	0	Left Tilted	0mm	2/3	132322	1745	22.89	24.00	1.291			0	0.001	0.001
	CA_66C_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	132322	1745	23.05	24.50	1.396			0.01	0.049	0.068
	CA_66B_Ant 0	15M	QPSK	1	0	Left Cheek	0mm	2/3	132322	1745	23.04	24.50	1.400			0.01	0.049	0.069
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	2	132322	1745	15.35	16.70	1.365			-0.01	0.675	0.921
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	2	132072	1720	15.32	16.70	1.374			-0.02	0.662	0.910
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	2	132572	1770	15.32	16.70	1.374			0.08	0.653	0.897
16	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	2	132322	1745	15.33	16.70	1.371			0.04	0.713	0.977
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	2	132072	1720	15.32	16.70	1.374			0.1	0.689	0.947
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	2	132572	1770	15.31	16.70	1.377			0.09	0.668	0.920
	LTE Band 66_Ant 1	20M	QPSK	100	0	Right Cheek	0mm	2	132322	1745	15.30	16.70	1.380			0.07	0.661	0.912
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	2	132322	1745	15.35	16.70	1.365			0.04	0.635	0.867
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	2	132072	1720	15.32	16.70	1.374			0.09	0.628	0.863
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	2	132572	1770	15.32	16.70	1.374			-0.07	0.620	0.852
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	2	132322	1745	15.33	16.70	1.371			0.02	0.658	0.902
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	2	132072	1720	15.32	16.70	1.374			0.09	0.645	0.886
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	2	132572	1770	15.31	16.70	1.377			0.08	0.639	0.880
	LTE Band 66_Ant 1	20M	QPSK	100	0	Right Tilted	0mm	2	132322	1745	15.30	16.70	1.380			0.11	0.639	0.882
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Cheek	0mm	2	132322	1745	15.35	16.70	1.365			-0.01	0.282	0.385
	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Cheek	0mm	2	132322	1745	15.33	16.70	1.371			0.05	0.266	0.365
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Tilted	0mm	2	132322	1745	15.35	16.70	1.365			0.08	0.293	0.400
	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Tilted	0mm	2	132322	1745	15.33	16.70	1.371			-0.02	0.308	0.422
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	3	132322	1745	15.35	15.50	1.035			-0.01	0.675	0.699
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	3	132322	1745	15.33	15.50	1.040			0.04	0.713	0.741
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	3	132322	1745	15.35	15.50	1.035			0.04	0.635	0.657
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	3	132322	1745	15.33	15.50	1.040			0.02	0.658	0.684
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Cheek	0mm	3	132322	1745	15.35	15.50	1.035			-0.01	0.282	0.292
	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Cheek	0mm	3	132322	1745	15.33	15.50	1.040			0.05	0.266	0.277
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Tilted	0mm	3	132322	1745	15.35	15.50	1.035			0.08	0.293	0.303



FCC SAR TEST REPORT

Report No. : FA4N0919C

	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Tilted	0mm	3	132322	1745	15.33	15.50	1.040			-0.02	0.308	0.320
	LTE Band 66_Ant 5	20M	QPSK	1	0	Right Cheek	0mm	2	132322	1745	19.46	20.60	1.300			0.05	0.443	0.576
	LTE Band 66_Ant 5	20M	QPSK	50	0	Right Cheek	0mm	2	132322	1745	19.46	20.60	1.300			-0.06	0.452	0.588
	LTE Band 66_Ant 5	20M	QPSK	1	0	Right Tilted	0mm	2	132322	1745	19.46	20.60	1.300			0.07	0.105	0.137
	LTE Band 66_Ant 5	20M	QPSK	50	0	Right Tilted	0mm	2	132322	1745	19.46	20.60	1.300			0.02	0.107	0.139
	LTE Band 66_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	2	132322	1745	19.46	20.60	1.300			0.15	0.592	0.770
	LTE Band 66_Ant 5	20M	QPSK	50	0	Left Cheek	0mm	2	132322	1745	19.46	20.60	1.300			-0.03	0.605	0.787
	LTE Band 66_Ant 5	20M	QPSK	1	0	Left Tilted	0mm	2	132322	1745	19.46	20.60	1.300			0.02	0.099	0.129
	LTE Band 66_Ant 5	20M	QPSK	50	0	Left Tilted	0mm	2	132322	1745	19.46	20.60	1.300			0.06	0.102	0.133
	LTE Band 66_Ant 5	20M	QPSK	1	0	Right Cheek	0mm	3	132322	1745	18.46	19.40	1.242			0.05	0.325	0.404
	LTE Band 66_Ant 5	20M	QPSK	50	0	Right Cheek	0mm	3	132322	1745	18.46	19.40	1.242			0.01	0.332	0.412
	LTE Band 66_Ant 5	20M	QPSK	1	0	Right Tilted	0mm	3	132322	1745	18.46	19.40	1.242			0.02	0.077	0.096
	LTE Band 66_Ant 5	20M	QPSK	50	0	Right Tilted	0mm	3	132322	1745	18.46	19.40	1.242			0.01	0.078	0.097
	LTE Band 66_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	3	132322	1745	18.46	19.40	1.242			0.05	0.475	0.590
	LTE Band 66_Ant 5	20M	QPSK	50	0	Left Cheek	0mm	3	132322	1745	18.46	19.40	1.242			0	0.490	0.608
	LTE Band 66_Ant 5	20M	QPSK	1	0	Left Tilted	0mm	3	132322	1745	18.46	19.40	1.242			0.08	0.081	0.101
	LTE Band 66_Ant 5	20M	QPSK	50	0	Left Tilted	0mm	3	132322	1745	18.46	19.40	1.242			-0.01	0.083	0.103
	LTE Band 71_Ant 0	20M	QPSK	1	0	Right Cheek	0mm	2/3	133297	680.5	24.55	25.00	1.109			-0.03	0.180	0.200
	LTE Band 71_Ant 0	20M	QPSK	50	0	Right Cheek	0mm	2/3	133297	680.5	23.50	24.00	1.122			-0.17	0.124	0.139
	LTE Band 71_Ant 0	20M	QPSK	1	0	Right Tilted	0mm	2/3	133297	680.5	24.55	25.00	1.109			0.04	0.104	0.115
	LTE Band 71_Ant 0	20M	QPSK	50	0	Right Tilted	0mm	2/3	133297	680.5	23.50	24.00	1.122			-0.01	0.062	0.070
	LTE Band 71_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	133297	680.5	24.55	25.00	1.109			-0.1	0.240	0.266
	LTE Band 71_Ant 0	20M	QPSK	50	0	Left Cheek	0mm	2/3	133297	680.5	23.50	24.00	1.122			-0.08	0.152	0.171
	LTE Band 71_Ant 0	20M	QPSK	1	0	Left Tilted	0mm	2/3	133297	680.5	24.55	25.00	1.109			0.05	0.150	0.166
	LTE Band 71_Ant 0	20M	QPSK	50	0	Left Tilted	0mm	2/3	133297	680.5	23.50	24.00	1.122			0.06	0.091	0.102
17	LTE Band 71_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	2	133297	680.5	22.84	24.30	1.400			0	0.659	0.922
	LTE Band 71_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	2	133297	680.5	22.80	24.00	1.318			0.06	0.623	0.821
	LTE Band 71_Ant 1	20M	QPSK	100	0	Right Cheek	0mm	2	133297	680.5	22.75	24.00	1.334			0.07	0.614	0.819
	LTE Band 71_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	2	133297	680.5	22.84	24.30	1.400			0.05	0.610	0.854
	LTE Band 71_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	2	133297	680.5	22.80	24.00	1.318			-0.12	0.640	0.844
	LTE Band 71_Ant 1	20M	QPSK	100	0	Right Tilted	0mm	2	133297	680.5	22.75	24.00	1.334			0.05	0.593	0.791
	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Cheek	0mm	2	133297	680.5	22.84	24.30	1.400			0.01	0.249	0.348
	LTE Band 71_Ant 1	20M	QPSK	50	0	Left Cheek	0mm	2	133297	680.5	22.80	24.00	1.318			0.08	0.235	0.310
	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Tilted	0mm	2	133297	680.5	22.84	24.30	1.400			-0.04	0.278	0.389
	LTE Band 71_Ant 1	20M	QPSK	50	0	Left Tilted	0mm	2	133297	680.5	22.80	24.00	1.318			0.02	0.266	0.351
	LTE Band 71_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	3	133297	680.5	22.84	23.40	1.138			0	0.659	0.750
	LTE Band 71_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	3	133297	680.5	22.80	23.40	1.148			0.06	0.623	0.715
	LTE Band 71_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	3	133297	680.5	22.84	23.40	1.138			0.05	0.610	0.694
	LTE Band 71_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	3	133297	680.5	22.80	23.40	1.148			-0.12	0.640	0.735
	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Cheek	0mm	3	133297	680.5	22.84	23.40	1.138			0.01	0.249	0.283
	LTE Band 71_Ant 1	20M	QPSK	50	0	Left Cheek	0mm	3	133297	680.5	22.80	23.40	1.148			0.08	0.235	0.270
	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Tilted	0mm	3	133297	680.5	22.84	23.40	1.138			-0.04	0.278	0.316
	LTE Band 71_Ant 1	20M	QPSK	50	0	Left Tilted	0mm	3	133297	680.5	22.80	23.40	1.148			0.02	0.266	0.305



<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
18	FR1 n7_Ant 2	50M	BPSK	1	1	Right Cheek	0mm	2	507000	2535	22.82	24.30	1.406	0.02	0.272	0.382
	FR1 n7_Ant 2	50M	BPSK	135	68	Right Cheek	0mm	2	507000	2535	22.83	24.30	1.403	0.08	0.650	0.912
	FR1 n7_Ant 2	50M	BPSK	270	0	Right Cheek	0mm	2	507000	2535	22.37	23.50	1.297	0.03	0.347	0.450
	FR1 n7_Ant 2	50M	BPSK	1	1	Right Tilted	0mm	2	507000	2535	22.82	24.30	1.406	-0.04	0.060	0.084
	FR1 n7_Ant 2	50M	BPSK	135	68	Right Tilted	0mm	2	507000	2535	22.83	24.30	1.403	-0.06	0.168	0.236
	FR1 n7_Ant 2	50M	BPSK	1	1	Left Cheek	0mm	2	507000	2535	22.82	24.30	1.406	0.02	0.134	0.188
	FR1 n7_Ant 2	50M	BPSK	135	68	Left Cheek	0mm	2	507000	2535	22.83	24.30	1.403	0.16	0.288	0.404
	FR1 n7_Ant 2	50M	BPSK	1	1	Left Tilted	0mm	2	507000	2535	22.82	24.30	1.406	-0.12	0.081	0.114
	FR1 n7_Ant 2	50M	BPSK	135	68	Left Tilted	0mm	2	507000	2535	22.83	24.30	1.403	0.15	0.252	0.354
	FR1 n7_Ant 2	50M	BPSK	1	1	Right Cheek	0mm	3	507000	2535	22.82	23.10	1.067	0.02	0.272	0.290
	FR1 n7_Ant 2	50M	BPSK	135	68	Right Cheek	0mm	3	507000	2535	22.83	23.10	1.064	0.08	0.650	0.692
	FR1 n7_Ant 2	50M	BPSK	1	1	Right Tilted	0mm	3	507000	2535	22.82	23.10	1.067	-0.04	0.060	0.064
	FR1 n7_Ant 2	50M	BPSK	135	68	Right Tilted	0mm	3	507000	2535	22.83	23.10	1.064	-0.06	0.168	0.179
	FR1 n7_Ant 2	50M	BPSK	1	1	Left Cheek	0mm	3	507000	2535	22.82	23.10	1.067	0.02	0.134	0.143
	FR1 n7_Ant 2	50M	BPSK	135	68	Left Cheek	0mm	3	507000	2535	22.83	23.10	1.064	0.16	0.288	0.306
	FR1 n7_Ant 2	50M	BPSK	1	1	Left Tilted	0mm	3	507000	2535	22.82	23.10	1.067	-0.12	0.081	0.086
	FR1 n7_Ant 2	50M	BPSK	135	68	Left Tilted	0mm	3	507000	2535	22.83	23.10	1.064	0.15	0.252	0.268
19	FR1 n12_Ant 0	50M	BPSK	1	1	Right Cheek	0mm	2/3	507000	2535	24.01	25.00	1.256	-0.15	0.040	0.050
	FR1 n12_Ant 0	50M	BPSK	135	68	Right Cheek	0mm	2/3	507000	2535	23.95	25.00	1.274	0.03	0.037	0.047
	FR1 n12_Ant 0	50M	BPSK	1	1	Right Tilted	0mm	2/3	507000	2535	24.01	25.00	1.256	0.06	0.001	0.001
	FR1 n12_Ant 0	50M	BPSK	135	68	Right Tilted	0mm	2/3	507000	2535	23.95	25.00	1.274	-0.01	0.001	0.001
	FR1 n12_Ant 0	50M	BPSK	1	1	Left Cheek	0mm	2/3	507000	2535	24.01	25.00	1.256	0.02	0.118	0.148
	FR1 n12_Ant 0	50M	BPSK	135	68	Left Cheek	0mm	2/3	507000	2535	23.95	25.00	1.274	0.1	0.125	0.159
	FR1 n12_Ant 0	50M	BPSK	1	1	Left Tilted	0mm	2/3	507000	2535	24.01	25.00	1.256	0.08	0.040	0.050
	FR1 n12_Ant 0	50M	BPSK	135	68	Left Tilted	0mm	2/3	507000	2535	23.95	25.00	1.274	-0.12	0.047	0.060
	FR1 n12_Ant 0	15M	BPSK	1	1	Right Cheek	0mm	2/3	141500	707.5	24.22	25.00	1.197	-0.15	0.164	0.196
	FR1 n12_Ant 0	15M	BPSK	36	22	Right Cheek	0mm	2/3	141500	707.5	24.20	25.00	1.202	-0.1	0.172	0.207
	FR1 n12_Ant 0	15M	BPSK	1	1	Right Tilted	0mm	2/3	141500	707.5	24.22	25.00	1.197	0.07	0.142	0.170
	FR1 n12_Ant 0	15M	BPSK	36	22	Right Tilted	0mm	2/3	141500	707.5	24.20	25.00	1.202	-0.18	0.130	0.156
	FR1 n12_Ant 0	15M	BPSK	1	1	Left Cheek	0mm	2/3	141500	707.5	24.22	25.00	1.197	0.03	0.191	0.229
	FR1 n12_Ant 0	15M	BPSK	36	22	Left Cheek	0mm	2/3	141500	707.5	24.20	25.00	1.202	0.1	0.254	0.305
	FR1 n12_Ant 0	15M	BPSK	1	1	Left Tilted	0mm	2/3	141500	707.5	24.22	25.00	1.197	-0.15	0.151	0.181
	FR1 n12_Ant 0	15M	BPSK	36	22	Left Tilted	0mm	2/3	141500	707.5	24.20	25.00	1.202	-0.15	0.142	0.171
	FR1 n12_Ant 1	15M	BPSK	1	1	Right Cheek	0mm	2	141500	707.5	22.40	23.30	1.230	0.02	0.714	0.878
	FR1 n12_Ant 1	15M	BPSK	36	22	Right Cheek	0mm	2	141500	707.5	22.38	23.30	1.236	-0.01	0.741	0.916
19	FR1 n12_Ant 1	15M	BPSK	75	0	Right Cheek	0mm	2	141500	707.5	22.35	23.30	1.245	-0.08	0.733	0.912
	FR1 n12_Ant 1	15M	BPSK	1	1	Right Tilted	0mm	2	141500	707.5	22.40	23.30	1.230	0.11	0.702	0.864
	FR1 n12_Ant 1	15M	BPSK	36	22	Right Tilted	0mm	2	141500	707.5	22.38	23.30	1.236	0.12	0.737	0.911
	FR1 n12_Ant 1	15M	BPSK	75	0	Right Tilted	0mm	2	141500	707.5	22.35	23.30	1.245	-0.09	0.731	0.910
	FR1 n12_Ant 1	15M	BPSK	1	1	Left Cheek	0mm	2	141500	707.5	22.40	23.30	1.230	0.06	0.429	0.528
	FR1 n12_Ant 1	15M	BPSK	36	22	Left Cheek	0mm	2	141500	707.5	22.38	23.30	1.236	0.04	0.467	0.577
	FR1 n12_Ant 1	15M	BPSK	1	1	Left Tilted	0mm	2	141500	707.5	22.40	23.30	1.230	-0.01	0.528	0.650
	FR1 n12_Ant 1	15M	BPSK	36	22	Left Tilted	0mm	2	141500	707.5	22.38	23.30	1.236	0.02	0.540	0.667
	FR1 n12_Ant 1	15M	BPSK	1	1	Right Cheek	0mm	3	141500	707.5	22.40	22.40	1.000	0.02	0.714	0.714
	FR1 n12_Ant 1	15M	BPSK	36	22	Right Cheek	0mm	3	141500	707.5	22.38	22.40	1.005	-0.01	0.741	0.744
	FR1 n12_Ant 1	15M	BPSK	1	1	Right Tilted	0mm	3	141500	707.5	22.40	22.40	1.000	0.11	0.702	0.702
	FR1 n12_Ant 1	15M	BPSK	36	22	Right Tilted	0mm	3	141500	707.5	22.38	22.40	1.005	0.12	0.737	0.740
	FR1 n12_Ant 1	15M	BPSK	1	1	Left Cheek	0mm	3	141500	707.5	22.40	22.40	1.000	0.06	0.429	0.429
	FR1 n12_Ant 1	15M	BPSK	36	22	Left Cheek	0mm	3	141500	707.5	22.38	22.40	1.005	0.04	0.467	0.469
	FR1 n12_Ant 1	15M	BPSK	1	1	Left Tilted	0mm	3	141500	707.5	22.40	22.40	1.000	-0.01	0.528	0.528
	FR1 n12_Ant 1	15M	BPSK	36	22	Left Tilted	0mm	3	141500	707.5	22.38	22.40	1.005	0.02	0.540	0.542



FCC SAR TEST REPORT

Report No. : FA4N0919C

	FR1 n14_Ant 0	10M	BPSK	1	1	Right Cheek	0mm	2/3	158600	793	23.93	25.00	1.279	-0.05	0.219	0.280
	FR1 n14_Ant 0	10M	BPSK	25	14	Right Cheek	0mm	2/3	158600	793	23.88	25.00	1.294	-0.08	0.203	0.263
	FR1 n14_Ant 0	10M	BPSK	1	1	Right Tilted	0mm	2/3	158600	793	23.93	25.00	1.279	-0.17	0.172	0.220
	FR1 n14_Ant 0	10M	BPSK	25	14	Right Tilted	0mm	2/3	158600	793	23.88	25.00	1.294	-0.08	0.162	0.210
	FR1 n14_Ant 0	10M	BPSK	1	1	Left Cheek	0mm	2/3	158600	793	23.93	25.00	1.279	0.13	0.265	0.339
	FR1 n14_Ant 0	10M	BPSK	25	14	Left Cheek	0mm	2/3	158600	793	23.88	25.00	1.294	-0.04	0.254	0.329
	FR1 n14_Ant 0	10M	BPSK	1	1	Left Tilted	0mm	2/3	158600	793	23.93	25.00	1.279	-0.08	0.203	0.260
	FR1 n14_Ant 0	10M	BPSK	25	14	Left Tilted	0mm	2/3	158600	793	23.88	25.00	1.294	0.17	0.185	0.239
20	FR1 n14_Ant 1	10M	BPSK	1	1	Right Cheek	0mm	2	158600	793	22.23	23.30	1.279	-0.01	0.720	0.921
	FR1 n14_Ant 1	10M	BPSK	25	14	Right Cheek	0mm	2	158600	793	22.24	23.30	1.276	-0.08	0.690	0.881
	FR1 n14_Ant 1	10M	BPSK	50	0	Right Cheek	0mm	2	158600	793	22.27	23.30	1.268	0.12	0.705	0.894
	FR1 n14_Ant 1	10M	BPSK	1	1	Right Tilted	0mm	2	158600	793	22.23	23.30	1.279	0.02	0.655	0.838
	FR1 n14_Ant 1	10M	BPSK	25	14	Right Tilted	0mm	2	158600	793	22.24	23.30	1.276	0.08	0.619	0.790
	FR1 n14_Ant 1	10M	BPSK	50	0	Right Tilted	0mm	2	158600	793	22.27	23.30	1.268	-0.16	0.636	0.806
	FR1 n14_Ant 1	10M	BPSK	1	1	Left Cheek	0mm	2	158600	793	22.23	23.30	1.279	-0.01	0.376	0.481
	FR1 n14_Ant 1	10M	BPSK	25	14	Left Cheek	0mm	2	158600	793	22.24	23.30	1.276	0.03	0.366	0.467
	FR1 n14_Ant 1	10M	BPSK	1	1	Left Tilted	0mm	2	158600	793	22.23	23.30	1.279	0.01	0.404	0.517
	FR1 n14_Ant 1	10M	BPSK	25	14	Left Tilted	0mm	2	158600	793	22.24	23.30	1.276	0.09	0.388	0.495
	FR1 n14_Ant 1	10M	BPSK	1	1	Right Cheek	0mm	3	158600	793	22.23	22.40	1.040	-0.01	0.720	0.749
	FR1 n14_Ant 1	10M	BPSK	25	14	Right Cheek	0mm	3	158600	793	22.24	22.40	1.038	-0.08	0.690	0.716
	FR1 n14_Ant 1	10M	BPSK	1	1	Right Tilted	0mm	3	158600	793	22.23	22.40	1.040	0.02	0.655	0.681
	FR1 n14_Ant 1	10M	BPSK	25	14	Right Tilted	0mm	3	158600	793	22.24	22.40	1.038	0.08	0.619	0.642
	FR1 n14_Ant 1	10M	BPSK	1	1	Left Cheek	0mm	3	158600	793	22.23	22.40	1.040	-0.01	0.376	0.391
	FR1 n14_Ant 1	10M	BPSK	25	14	Left Cheek	0mm	3	158600	793	22.24	22.40	1.038	0.03	0.366	0.380
	FR1 n14_Ant 1	10M	BPSK	1	1	Left Tilted	0mm	3	158600	793	22.23	22.40	1.040	0.01	0.404	0.420
	FR1 n14_Ant 1	10M	BPSK	25	14	Left Tilted	0mm	3	158600	793	22.24	22.40	1.038	0.09	0.388	0.403
	FR1 n25_Ant 2	40M	BPSK	1	1	Right Cheek	0mm	2/3	376500	1882.5	23.69	25.00	1.352	0.02	0.458	0.619
	FR1 n25_Ant 2	40M	BPSK	108	54	Right Cheek	0mm	2/3	376500	1882.5	23.67	25.00	1.358	-0.1	0.441	0.599
	FR1 n25_Ant 2	40M	BPSK	1	1	Right Tilted	0mm	2/3	376500	1882.5	23.69	25.00	1.352	0.19	0.174	0.235
	FR1 n25_Ant 2	40M	BPSK	108	54	Right Tilted	0mm	2/3	376500	1882.5	23.67	25.00	1.358	-0.19	0.163	0.221
	FR1 n25_Ant 2	40M	BPSK	1	1	Left Cheek	0mm	2/3	376500	1882.5	23.69	25.00	1.352	0.03	0.201	0.272
	FR1 n25_Ant 2	40M	BPSK	108	54	Left Cheek	0mm	2/3	376500	1882.5	23.67	25.00	1.358	0.16	0.183	0.249
	FR1 n25_Ant 2	40M	BPSK	1	1	Left Tilted	0mm	2/3	376500	1882.5	23.69	25.00	1.352	-0.03	0.187	0.253
	FR1 n25_Ant 2	40M	BPSK	108	54	Left Tilted	0mm	2/3	376500	1882.5	23.67	25.00	1.358	-0.04	0.173	0.235
	FR1 n25_Ant 0	40M	BPSK	1	1	Right Cheek	0mm	2/3	376500	1882.5	23.98	25.00	1.265	0.14	0.032	0.040
	FR1 n25_Ant 0	40M	BPSK	108	54	Right Cheek	0mm	2/3	376500	1882.5	23.87	25.00	1.297	0.16	0.030	0.039
	FR1 n25_Ant 0	40M	BPSK	1	1	Right Tilted	0mm	2/3	376500	1882.5	23.98	25.00	1.265	0.13	0.001	0.001
	FR1 n25_Ant 0	40M	BPSK	108	54	Right Tilted	0mm	2/3	376500	1882.5	23.87	25.00	1.297	0.16	0.001	0.001
	FR1 n25_Ant 0	40M	BPSK	1	1	Left Cheek	0mm	2/3	376500	1882.5	23.98	25.00	1.265	0.03	0.037	0.047
	FR1 n25_Ant 0	40M	BPSK	108	54	Left Cheek	0mm	2/3	376500	1882.5	23.87	25.00	1.297	0.05	0.040	0.052
	FR1 n25_Ant 0	40M	BPSK	1	1	Left Tilted	0mm	2/3	376500	1882.5	23.98	25.00	1.265	-0.15	0.001	0.001
	FR1 n25_Ant 0	40M	BPSK	108	54	Left Tilted	0mm	2/3	376500	1882.5	23.87	25.00	1.297	-0.12	0.001	0.001
21	FR1 n25_Ant 1	40M	BPSK	1	1	Right Cheek	0mm	2	376500	1882.5	14.61	15.60	1.256	0	0.729	0.916
	FR1 n25_Ant 1	40M	BPSK	108	54	Right Cheek	0mm	2	376500	1882.5	14.59	15.60	1.262	0.01	0.642	0.810
	FR1 n25_Ant 1	40M	BPSK	216	0	Right Cheek	0mm	2	376500	1882.5	14.57	15.60	1.268	0.06	0.627	0.795
	FR1 n25_Ant 1	40M	BPSK	1	1	Right Tilted	0mm	2	376500	1882.5	14.61	15.60	1.256	0.12	0.714	0.897
	FR1 n25_Ant 1	40M	BPSK	108	54	Right Tilted	0mm	2	376500	1882.5	14.59	15.60	1.262	0.17	0.636	0.803
	FR1 n25_Ant 1	40M	BPSK	216	0	Right Tilted	0mm	2	376500	1882.5	14.57	15.60	1.268	0.03	0.607	0.769
	FR1 n25_Ant 1	40M	BPSK	1	1	Left Cheek	0mm	2	376500	1882.5	14.61	15.60	1.256	-0.04	0.289	0.363
	FR1 n25_Ant 1	40M	BPSK	108	54	Left Cheek	0mm	2	376500	1882.5	14.59	15.60	1.262	-0.08	0.251	0.317
	FR1 n25_Ant 1	40M	BPSK	1	1	Left Tilted	0mm	2	376500	1882.5	14.61	15.60	1.256	0.06	0.347	0.436
	FR1 n25_Ant 1	40M	BPSK	108	54	Left Tilted	0mm	2	376500	1882.5	14.59	15.60	1.262	-0.05	0.306	0.386
	FR1 n25_Ant 1	40M	BPSK	1	1	Right Cheek	0mm	3	376500	1882.5	14.61	14.70	1.021	0	0.729	0.744
	FR1 n25_Ant 1	40M	BPSK	108	54	Right Cheek	0mm	3	376500	1882.5	14.59	14.70	1.026	0.01	0.642	0.658
	FR1 n25_Ant 1	40M	BPSK	1	1	Right Tilted	0mm	3	376500	1882.5	14.61	14.70	1.021	0.12	0.714	0.729



FCC SAR TEST REPORT

Report No. : FA4N0919C

	FR1 n25_Ant 1	40M	BPSK	108	54	Right Tilted	0mm	3	376500	1882.5	14.59	14.70	1.026	0.17	0.636	0.652
	FR1 n25_Ant 1	40M	BPSK	1	1	Left Cheek	0mm	3	376500	1882.5	14.61	14.70	1.021	-0.04	0.289	0.295
	FR1 n25_Ant 1	40M	BPSK	108	54	Left Cheek	0mm	3	376500	1882.5	14.59	14.70	1.026	-0.08	0.251	0.257
	FR1 n25_Ant 1	40M	BPSK	1	1	Left Tilted	0mm	3	376500	1882.5	14.61	14.70	1.021	0.06	0.347	0.354
	FR1 n25_Ant 1	40M	BPSK	108	54	Left Tilted	0mm	3	376500	1882.5	14.59	14.70	1.026	-0.05	0.306	0.314
	FR1 n25_Ant 5	40M	BPSK	1	1	Right Cheek	0mm	2	376500	1882.5	18.39	19.80	1.384	0.02	0.419	0.580
	FR1 n25_Ant 5	40M	BPSK	108	54	Right Cheek	0mm	2	376500	1882.5	18.36	19.80	1.393	-0.01	0.420	0.585
	FR1 n25_Ant 5	40M	BPSK	1	1	Right Tilted	0mm	2	376500	1882.5	18.39	19.80	1.384	-0.15	0.065	0.090
	FR1 n25_Ant 5	40M	BPSK	108	54	Right Tilted	0mm	2	376500	1882.5	18.36	19.80	1.393	-0.12	0.070	0.098
	FR1 n25_Ant 5	40M	BPSK	1	1	Left Cheek	0mm	2	376500	1882.5	18.39	19.80	1.384	0.12	0.644	0.891
	FR1 n25_Ant 5	40M	BPSK	108	54	Left Cheek	0mm	2	376500	1882.5	18.36	19.80	1.393	0	0.650	0.906
	FR1 n25_Ant 5	40M	BPSK	216	0	Left Cheek	0mm	2	376500	1882.5	18.32	19.80	1.406	0.02	0.632	0.889
	FR1 n25_Ant 5	40M	BPSK	1	1	Left Tilted	0mm	2	376500	1882.5	18.39	19.80	1.384	-0.15	0.100	0.138
	FR1 n25_Ant 5	40M	BPSK	108	54	Left Tilted	0mm	2	376500	1882.5	18.36	19.80	1.393	-0.01	0.104	0.145
	FR1 n25_Ant 5	40M	BPSK	1	1	Right Cheek	0mm	3	376500	1882.5	18.39	18.60	1.050	0.02	0.419	0.440
	FR1 n25_Ant 5	40M	BPSK	108	54	Right Cheek	0mm	3	376500	1882.5	18.36	18.60	1.057	-0.01	0.420	0.444
	FR1 n25_Ant 5	40M	BPSK	1	1	Right Tilted	0mm	3	376500	1882.5	18.39	18.60	1.050	-0.15	0.065	0.068
	FR1 n25_Ant 5	40M	BPSK	108	54	Right Tilted	0mm	3	376500	1882.5	18.36	18.60	1.057	-0.12	0.070	0.074
	FR1 n25_Ant 5	40M	BPSK	1	1	Left Cheek	0mm	3	376500	1882.5	18.39	18.60	1.050	0.12	0.644	0.676
	FR1 n25_Ant 5	40M	BPSK	108	54	Left Cheek	0mm	3	376500	1882.5	18.36	18.60	1.057	0	0.650	0.687
	FR1 n25_Ant 5	40M	BPSK	1	1	Left Tilted	0mm	3	376500	1882.5	18.39	18.60	1.050	-0.15	0.100	0.105
	FR1 n25_Ant 5	40M	BPSK	108	54	Left Tilted	0mm	3	376500	1882.5	18.36	18.60	1.057	-0.01	0.104	0.110
	FR1 n26_Ant 0	20M	BPSK	1	1	Right Cheek	0mm	2/3	166300	831.5	23.96	25.00	1.271	0.18	0.184	0.234
	FR1 n26_Ant 0	20M	BPSK	50	28	Right Cheek	0mm	2/3	166300	831.5	23.92	25.00	1.282	0.09	0.191	0.245
	FR1 n26_Ant 0	20M	BPSK	1	1	Right Tilted	0mm	2/3	166300	831.5	23.96	25.00	1.271	-0.08	0.130	0.165
	FR1 n26_Ant 0	20M	BPSK	50	28	Right Tilted	0mm	2/3	166300	831.5	23.92	25.00	1.282	-0.13	0.132	0.169
	FR1 n26_Ant 0	20M	BPSK	1	1	Left Cheek	0mm	2/3	166300	831.5	23.96	25.00	1.271	-0.13	0.271	0.344
	FR1 n26_Ant 0	20M	BPSK	50	28	Left Cheek	0mm	2/3	166300	831.5	23.92	25.00	1.282	0.17	0.288	0.369
	FR1 n26_Ant 0	20M	BPSK	1	1	Left Tilted	0mm	2/3	166300	831.5	23.96	25.00	1.271	0.06	0.169	0.215
	FR1 n26_Ant 0	20M	BPSK	50	28	Left Tilted	0mm	2/3	166300	831.5	23.92	25.00	1.282	-0.03	0.173	0.222
	FR1 n26_Ant 1	20M	BPSK	1	1	Right Cheek	0mm	2	166300	831.5	21.87	22.90	1.268	0.03	0.699	0.886
22	FR1 n26_Ant 1	20M	BPSK	50	28	Right Cheek	0mm	2	166300	831.5	21.91	22.90	1.256	-0.05	0.734	0.922
	FR1 n26_Ant 1	20M	BPSK	100	0	Right Cheek	0mm	2	166300	831.5	21.85	22.90	1.274	-0.16	0.723	0.921
	FR1 n26_Ant 1	20M	BPSK	1	1	Right Tilted	0mm	2	166300	831.5	21.87	22.90	1.268	0.13	0.576	0.730
	FR1 n26_Ant 1	20M	BPSK	50	28	Right Tilted	0mm	2	166300	831.5	21.91	22.90	1.256	0.11	0.605	0.760
	FR1 n26_Ant 1	20M	BPSK	1	1	Left Cheek	0mm	2	166300	831.5	21.87	22.90	1.268	0	0.344	0.436
	FR1 n26_Ant 1	20M	BPSK	50	28	Left Cheek	0mm	2	166300	831.5	21.91	22.90	1.256	0	0.366	0.460
	FR1 n26_Ant 1	20M	BPSK	1	1	Left Tilted	0mm	2	166300	831.5	21.87	22.90	1.268	0.01	0.319	0.404
	FR1 n26_Ant 1	20M	BPSK	50	28	Left Tilted	0mm	2	166300	831.5	21.91	22.90	1.256	0.03	0.342	0.430
	FR1 n26_Ant 1	20M	BPSK	1	1	Right Cheek	0mm	3	166300	831.5	21.87	22.00	1.030	0.03	0.699	0.720
	FR1 n26_Ant 1	20M	BPSK	50	28	Right Cheek	0mm	3	166300	831.5	21.91	22.00	1.021	-0.05	0.734	0.749
	FR1 n26_Ant 1	20M	BPSK	1	1	Right Tilted	0mm	3	166300	831.5	21.87	22.00	1.030	0.13	0.576	0.594
	FR1 n26_Ant 1	20M	BPSK	50	28	Right Tilted	0mm	3	166300	831.5	21.91	22.00	1.021	0.11	0.605	0.618
	FR1 n26_Ant 1	20M	BPSK	1	1	Left Cheek	0mm	3	166300	831.5	21.87	22.00	1.030	0	0.344	0.354
	FR1 n26_Ant 1	20M	BPSK	50	28	Left Cheek	0mm	3	166300	831.5	21.91	22.00	1.021	0	0.366	0.374
	FR1 n26_Ant 1	20M	BPSK	1	1	Left Tilted	0mm	3	166300	831.5	21.87	22.00	1.030	0.01	0.319	0.329
	FR1 n26_Ant 1	20M	BPSK	50	28	Left Tilted	0mm	3	166300	831.5	21.91	22.00	1.021	0.03	0.342	0.349
	FR1 n30_Ant 2	10M	BPSK	1	1	Right Cheek	0mm	2/3	462000	2310	22.93	23.80	1.222	-0.11	0.454	0.555
23	FR1 n30_Ant 2	10M	BPSK	25	14	Right Cheek	0mm	2/3	462000	2310	22.84	23.80	1.247	-0.08	0.457	0.570
	FR1 n30_Ant 2	10M	BPSK	1	1	Right Tilted	0mm	2/3	462000	2310	22.93	23.80	1.222	-0.04	0.127	0.155
	FR1 n30_Ant 2	10M	BPSK	25	14	Right Tilted	0mm	2/3	462000	2310	22.84	23.80	1.247	0.06	0.125	0.156
	FR1 n30_Ant 2	10M	BPSK	1	1	Left Cheek	0mm	2/3	462000	2310	22.93	23.80	1.222	0.15	0.209	0.255
	FR1 n30_Ant 2	10M	BPSK	25	14	Left Cheek	0mm	2/3	462000	2310	22.84	23.80	1.247	-0.07	0.212	0.264
	FR1 n30_Ant 2	10M	BPSK	1	1	Left Tilted	0mm	2/3	462000	2310	22.93	23.80	1.222	-0.03	0.164	0.200
	FR1 n30_Ant 2	10M	BPSK	25	14	Left Tilted	0mm	2/3	462000	2310	22.84	23.80	1.247	-0.18	0.161	0.201



FCC SAR TEST REPORT

Report No. : FA4N0919C

	FR1 n30_Ant 0	10M	BPSK	1	1	Right Cheek	0mm	2/3	462000	2310	20.55	21.50	1.245	-0.19	0.034	0.042
	FR1 n30_Ant 0	10M	BPSK	25	14	Right Cheek	0mm	2/3	462000	2310	20.42	21.50	1.282	-0.14	0.036	0.046
	FR1 n30_Ant 0	10M	BPSK	1	1	Right Tilted	0mm	2/3	462000	2310	20.55	21.50	1.245	0.03	0.001	0.001
	FR1 n30_Ant 0	10M	BPSK	25	14	Right Tilted	0mm	2/3	462000	2310	20.42	21.50	1.282	0.18	0.001	0.001
	FR1 n30_Ant 0	10M	BPSK	1	1	Left Cheek	0mm	2/3	462000	2310	20.55	21.50	1.245	0.08	0.018	0.022
	FR1 n30_Ant 0	10M	BPSK	25	14	Left Cheek	0mm	2/3	462000	2310	20.42	21.50	1.282	0.1	0.023	0.029
	FR1 n30_Ant 0	10M	BPSK	1	1	Left Tilted	0mm	2/3	462000	2310	20.55	21.50	1.245	-0.02	0.001	0.001
	FR1 n30_Ant 0	10M	BPSK	25	14	Left Tilted	0mm	2/3	462000	2310	20.42	21.50	1.282	-0.06	0.001	0.001
24	FR1 n38_Ant 2	40M	BPSK	1	1	Right Cheek	0mm	2	519000	2595	22.97	24.00	1.268	-0.15	0.716	0.908
	FR1 n38_Ant 2	40M	BPSK	50	28	Right Cheek	0mm	2	519000	2595	22.95	24.00	1.274	-0.03	0.687	0.875
	FR1 n38_Ant 2	40M	BPSK	100	0	Right Cheek	0mm	2	519000	2595	22.86	24.00	1.300	-0.16	0.686	0.892
	FR1 n38_Ant 2	40M	BPSK	1	1	Right Tilted	0mm	2	519000	2595	22.97	24.00	1.268	-0.13	0.182	0.231
	FR1 n38_Ant 2	40M	BPSK	50	28	Right Tilted	0mm	2	519000	2595	22.95	24.00	1.274	0.1	0.175	0.223
	FR1 n38_Ant 2	40M	BPSK	1	1	Left Cheek	0mm	2	519000	2595	22.97	24.00	1.268	-0.15	0.341	0.432
	FR1 n38_Ant 2	40M	BPSK	50	28	Left Cheek	0mm	2	519000	2595	22.95	24.00	1.274	0.09	0.330	0.420
	FR1 n38_Ant 2	40M	BPSK	1	1	Left Tilted	0mm	2	519000	2595	22.97	24.00	1.268	0.11	0.281	0.356
	FR1 n38_Ant 2	40M	BPSK	50	28	Left Tilted	0mm	2	519000	2595	22.95	24.00	1.274	0.04	0.264	0.336
	FR1 n38_Ant 2	40M	BPSK	1	1	Right Cheek	0mm	3	519000	2595	21.97	22.80	1.211	0.09	0.513	0.621
	FR1 n38_Ant 2	40M	BPSK	50	28	Right Cheek	0mm	3	519000	2595	21.95	22.80	1.216	0.12	0.491	0.597
	FR1 n38_Ant 2	40M	BPSK	1	1	Right Tilted	0mm	3	519000	2595	21.97	22.80	1.211	-0.1	0.130	0.157
	FR1 n38_Ant 2	40M	BPSK	50	28	Right Tilted	0mm	3	519000	2595	21.95	22.80	1.216	0.16	0.125	0.152
	FR1 n38_Ant 2	40M	BPSK	1	1	Left Cheek	0mm	3	519000	2595	21.97	22.80	1.211	0.08	0.243	0.294
	FR1 n38_Ant 2	40M	BPSK	50	28	Left Cheek	0mm	3	519000	2595	21.95	22.80	1.216	-0.19	0.236	0.287
	FR1 n38_Ant 2	40M	BPSK	1	1	Left Tilted	0mm	3	519000	2595	21.97	22.80	1.211	-0.04	0.201	0.243
	FR1 n38_Ant 2	40M	BPSK	50	28	Left Tilted	0mm	3	519000	2595	21.95	22.80	1.216	0.15	0.188	0.229
	FR1 n41_Ant 2	100M	BPSK	1	1	Right Cheek	0mm	2	518598	2592.99	23.05	24.00	1.245	0	0.679	0.845
	FR1 n41_Ant 2	100M	BPSK	135	69	Right Cheek	0mm	2	518598	2592.99	22.91	24.00	1.285	0.05	0.657	0.844
	FR1 n41_Ant 2	100M	BPSK	270	0	Right Cheek	0mm	2	518598	2592.99	22.94	24.00	1.276	0.09	0.620	0.791
	FR1 n41_Ant 2	100M	BPSK	1	1	Right Tilted	0mm	2	518598	2592.99	23.05	24.00	1.245	0.04	0.182	0.227
	FR1 n41_Ant 2	100M	BPSK	135	69	Right Tilted	0mm	2	518598	2592.99	22.91	24.00	1.285	-0.12	0.185	0.238
	FR1 n41_Ant 2	100M	BPSK	1	1	Left Cheek	0mm	2	518598	2592.99	23.05	24.00	1.245	0.05	0.272	0.339
	FR1 n41_Ant 2	100M	BPSK	135	69	Left Cheek	0mm	2	518598	2592.99	22.91	24.00	1.285	0.05	0.260	0.334
	FR1 n41_Ant 2	100M	BPSK	1	1	Left Tilted	0mm	2	518598	2592.99	23.05	24.00	1.245	-0.07	0.233	0.290
	FR1 n41_Ant 2	100M	BPSK	135	69	Left Tilted	0mm	2	518598	2592.99	22.91	24.00	1.285	0.04	0.218	0.280
	FR1 n41_HPUE_Ant 2	100M	BPSK	1	1	Right Cheek	0mm	2	518598	2592.99	26.22	26.90	1.169	0	0.672	0.786
	FR1 n41_Ant 2	100M	BPSK	1	1	Right Cheek	0mm	3	518598	2592.99	22.05	22.80	1.189	0.1	0.551	0.655
	FR1 n41_Ant 2	100M	BPSK	135	69	Right Cheek	0mm	3	518598	2592.99	21.91	22.80	1.227	0.02	0.530	0.651
	FR1 n41_Ant 2	100M	BPSK	1	1	Right Tilted	0mm	3	518598	2592.99	22.05	22.80	1.189	-0.04	0.146	0.174
	FR1 n41_Ant 2	100M	BPSK	135	69	Right Tilted	0mm	3	518598	2592.99	21.91	22.80	1.227	0.12	0.150	0.184
	FR1 n41_Ant 2	100M	BPSK	1	1	Left Cheek	0mm	3	518598	2592.99	22.05	22.80	1.189	0.05	0.219	0.260
	FR1 n41_Ant 2	100M	BPSK	135	69	Left Cheek	0mm	3	518598	2592.99	21.91	22.80	1.227	0.06	0.210	0.258
	FR1 n41_Ant 2	100M	BPSK	1	1	Left Tilted	0mm	3	518598	2592.99	22.05	22.80	1.189	-0.02	0.188	0.223
	FR1 n41_Ant 2	100M	BPSK	135	69	Left Tilted	0mm	3	518598	2592.99	21.91	22.80	1.227	0.01	0.181	0.222
	FR1 n41_HPUE_Ant 2	100M	BPSK	1	1	Right Cheek	0mm	3	518598	2592.99	25.22	25.80	1.143	0.01	0.544	0.622
	FR1 n41_Ant 0	100M	BPSK	1	1	Right Cheek	0mm	2/3	518598	2592.99	24.15	25.00	1.216	0.17	0.059	0.072
	FR1 n41_Ant 0	100M	BPSK	135	69	Right Cheek	0mm	2/3	518598	2592.99	24.02	25.00	1.253	0.12	0.056	0.070
	FR1 n41_Ant 0	100M	BPSK	1	1	Right Tilted	0mm	2/3	518598	2592.99	24.15	25.00	1.216	0.13	0.039	0.047
	FR1 n41_Ant 0	100M	BPSK	135	69	Right Tilted	0mm	2/3	518598	2592.99	24.02	25.00	1.253	-0.1	0.051	0.064
	FR1 n41_Ant 0	100M	BPSK	1	1	Left Cheek	0mm	2/3	518598	2592.99	24.15	25.00	1.216	0.02	0.133	0.162
	FR1 n41_Ant 0	100M	BPSK	135	69	Left Cheek	0mm	2/3	518598	2592.99	24.02	25.00	1.253	0.04	0.159	0.199
	FR1 n41_Ant 0	100M	BPSK	1	1	Left Tilted	0mm	2/3	518598	2592.99	24.15	25.00	1.216	-0.01	0.039	0.047
	FR1 n41_Ant 0	100M	BPSK	135	69	Left Tilted	0mm	2/3	518598	2592.99	24.02	25.00	1.253	0.02	0.041	0.051
	FR1 n41_HPUE_Ant 0	100M	BPSK	1	1	Left Cheek	0mm	2/3	518598	2592.99	26.27	26.70	1.104	-0.05	0.123	0.136
	FR1 n41_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	2	518598	2592.99	17.34	17.90	1.138	0.06	0.572	0.651
25	FR1 n41_Ant 1	100M	BPSK	135	69	Right Cheek	0mm	2	518598	2592.99	17.23	17.90	1.167	0.04	0.765	0.893



FCC SAR TEST REPORT

Report No. : FA4N0919C

	FR1 n41_Ant 1	100M	BPSK	270	0	Right Cheek	0mm	2	518598	2592.99	17.24	17.90	1.164	0.1	0.742	0.864
	FR1 n41_Ant 1	100M	BPSK	1	1	Right Tilted	0mm	2	518598	2592.99	17.34	17.90	1.138	0.02	0.340	0.387
	FR1 n41_Ant 1	100M	BPSK	135	69	Right Tilted	0mm	2	518598	2592.99	17.23	17.90	1.167	0.05	0.512	0.597
	FR1 n41_Ant 1	100M	BPSK	1	1	Left Cheek	0mm	2	518598	2592.99	17.34	17.90	1.138	0.09	0.175	0.199
	FR1 n41_Ant 1	100M	BPSK	135	69	Left Cheek	0mm	2	518598	2592.99	17.23	17.90	1.167	-0.02	0.245	0.286
	FR1 n41_Ant 1	100M	BPSK	1	1	Left Tilted	0mm	2	518598	2592.99	17.34	17.90	1.138	0.02	0.164	0.187
	FR1 n41_Ant 1	100M	BPSK	135	69	Left Tilted	0mm	2	518598	2592.99	17.23	17.90	1.167	0.06	0.244	0.285
	FR1 n41_HPUE_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	2	518598	2592.99	20.34	20.90	1.138	0	0.723	0.823
	FR1 n41_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	3	518598	2592.99	16.34	16.70	1.086	0.05	0.499	0.542
	FR1 n41_Ant 1	100M	BPSK	135	69	Right Cheek	0mm	3	518598	2592.99	16.23	16.70	1.114	0.03	0.662	0.738
	FR1 n41_Ant 1	100M	BPSK	1	1	Right Tilted	0mm	3	518598	2592.99	16.34	16.70	1.086	0.01	0.296	0.322
	FR1 n41_Ant 1	100M	BPSK	135	69	Right Tilted	0mm	3	518598	2592.99	16.23	16.70	1.114	0.09	0.446	0.497
	FR1 n41_Ant 1	100M	BPSK	1	1	Left Cheek	0mm	3	518598	2592.99	16.34	16.70	1.086	0	0.152	0.165
	FR1 n41_Ant 1	100M	BPSK	135	69	Left Cheek	0mm	3	518598	2592.99	16.23	16.70	1.114	0.01	0.213	0.237
	FR1 n41_Ant 1	100M	BPSK	1	1	Left Tilted	0mm	3	518598	2592.99	16.34	16.70	1.086	0.08	0.142	0.154
	FR1 n41_Ant 1	100M	BPSK	135	69	Left Tilted	0mm	3	518598	2592.99	16.23	16.70	1.114	0.02	0.212	0.236
	FR1 n41_HPUE_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	3	518598	2592.99	19.34	19.70	1.086	0.1	0.630	0.684
	FR1 n41_Ant 5	100M	BPSK	1	1	Right Cheek	0mm	2	518598	2592.99	16.73	17.10	1.089	0	0.523	0.570
	FR1 n41_Ant 5	100M	BPSK	135	69	Right Cheek	0mm	2	518598	2592.99	16.65	17.10	1.109	0.01	0.528	0.586
	FR1 n41_Ant 5	100M	BPSK	1	1	Right Tilted	0mm	2	518598	2592.99	16.73	17.10	1.089	0.09	0.504	0.549
	FR1 n41_Ant 5	100M	BPSK	135	69	Right Tilted	0mm	2	518598	2592.99	16.65	17.10	1.109	-0.02	0.513	0.569
	FR1 n41_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	2	518598	2592.99	16.73	17.10	1.089	0.09	0.752	0.819
	FR1 n41_Ant 5	100M	BPSK	135	69	Left Cheek	0mm	2	518598	2592.99	16.65	17.10	1.109	-0.01	0.787	0.873
	FR1 n41_Ant 5	100M	BPSK	270	0	Left Cheek	0mm	2	518598	2592.99	16.67	17.10	1.104	-0.02	0.772	0.852
	FR1 n41_Ant 5	100M	BPSK	1	1	Left Tilted	0mm	2	518598	2592.99	16.73	17.10	1.089	0.13	0.459	0.500
	FR1 n41_Ant 5	100M	BPSK	135	69	Left Tilted	0mm	2	518598	2592.99	16.65	17.10	1.109	0.15	0.313	0.347
	FR1 n41_HPUE_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	2	518598	2592.99	19.62	19.90	1.067	-0.02	0.773	0.824
	FR1 n41_Ant 5	100M	BPSK	1	1	Right Cheek	0mm	3	518598	2592.99	14.73	15.90	1.309	0	0.213	0.279
	FR1 n41_Ant 5	100M	BPSK	135	69	Right Cheek	0mm	3	518598	2592.99	14.63	15.90	1.340	-0.07	0.215	0.288
	FR1 n41_Ant 5	100M	BPSK	1	1	Right Tilted	0mm	3	518598	2592.99	14.73	15.90	1.309	-0.08	0.206	0.270
	FR1 n41_Ant 5	100M	BPSK	135	69	Right Tilted	0mm	3	518598	2592.99	14.63	15.90	1.340	0.01	0.209	0.280
	FR1 n41_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	3	518598	2592.99	14.73	15.90	1.309	0.06	0.583	0.763
	FR1 n41_Ant 5	100M	BPSK	135	69	Left Cheek	0mm	3	518598	2592.99	14.63	15.90	1.340	0.12	0.595	0.797
	FR1 n41_Ant 5	100M	BPSK	1	1	Left Tilted	0mm	3	518598	2592.99	14.73	15.90	1.309	-0.03	0.352	0.461
	FR1 n41_Ant 5	100M	BPSK	135	69	Left Tilted	0mm	3	518598	2592.99	14.63	15.90	1.340	0.05	0.228	0.305
	FR1 n41_HPUE_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	3	518598	2592.99	17.63	18.70	1.279	0.01	0.594	0.760
	FR1 n48_Ant 6	40M	BPSK	1	1	Right Cheek	0mm	2/3	641666	3624.99	20.24	21.00	1.191	-0.14	0.091	0.108
	FR1 n48_Ant 6	40M	BPSK	50	25	Right Cheek	0mm	2/3	641666	3624.99	20.09	21.00	1.233	0.17	0.086	0.106
	FR1 n48_Ant 6	40M	BPSK	1	1	Right Tilted	0mm	2/3	641666	3624.99	20.24	21.00	1.191	-0.05	0.128	0.152
	FR1 n48_Ant 6	40M	BPSK	50	25	Right Tilted	0mm	2/3	641666	3624.99	20.09	21.00	1.233	0.01	0.121	0.149
	FR1 n48_Ant 6	40M	BPSK	1	1	Left Cheek	0mm	2/3	641666	3624.99	20.24	21.00	1.191	0.19	0.187	0.223
	FR1 n48_Ant 6	40M	BPSK	50	25	Left Cheek	0mm	2/3	641666	3624.99	20.09	21.00	1.233	-0.17	0.167	0.206
	FR1 n48_Ant 6	40M	BPSK	1	1	Left Tilted	0mm	2/3	641666	3624.99	20.24	21.00	1.191	0.04	0.088	0.105
	FR1 n48_Ant 6	40M	BPSK	50	25	Left Tilted	0mm	2/3	641666	3624.99	20.09	21.00	1.233	-0.01	0.071	0.088
	FR1 n48_Ant 7	40M	BPSK	1	1	Right Cheek	0mm	2/3	641666	3624.99	19.85	21.00	1.303	-0.08	0.145	0.189
	FR1 n48_Ant 7	20M	BPSK	1	1	Right Cheek	0mm	2/3	641666	3624.99	22.08	23.30	1.324	0.13	0.221	0.293
	FR1 n48_Ant 7	40M	BPSK	50	25	Right Cheek	0mm	2/3	641666	3624.99	22.04	23.30	1.337	-0.14	0.229	0.306
	FR1 n48_Ant 7	40M	BPSK	1	1	Right Tilted	0mm	2/3	641666	3624.99	19.85	21.00	1.303	0.03	0.063	0.082
	FR1 n48_Ant 7	20M	BPSK	1	1	Right Tilted	0mm	2/3	641666	3624.99	22.08	23.30	1.324	0.18	0.096	0.127
	FR1 n48_Ant 7	40M	BPSK	50	25	Right Tilted	0mm	2/3	641666	3624.99	22.04	23.30	1.337	0.16	0.095	0.127
	FR1 n48_Ant 7	40M	BPSK	1	1	Left Cheek	0mm	2/3	641666	3624.99	19.85	21.00	1.303	-0.1	0.118	0.154
	FR1 n48_Ant 7	20M	BPSK	1	1	Left Cheek	0mm	2/3	641666	3624.99	22.08	23.30	1.324	0.07	0.126	0.167
	FR1 n48_Ant 7	40M	BPSK	50	25	Left Cheek	0mm	2/3	641666	3624.985	22.04	23.30	1.337	0.17	0.177	0.237
	FR1 n48_Ant 7	40M	BPSK	1	1	Left Tilted	0mm	2/3	641666	3624.99	19.85	21.00	1.303	0.18	0.127	0.166
	FR1 n48_Ant 7	20M	BPSK	1	1	Left Tilted	0mm	2/3	641666	3624.99	22.08	23.30	1.324	-0.1	0.185	0.245



FCC SAR TEST REPORT

Report No. : FA4N0919C

	FR1 n48_Ant 7	40M	BPSK	50	25	Left Tilted	0mm	2/3	641666	3624.99	22.04	23.30	1.337	0.01	0.196	0.262
	FR1 n48_Ant 1	40M	BPSK	1	1	Right Cheek	0mm	2	641666	3624.99	13.93	14.90	1.250	0.08	0.620	0.775
	FR1 n48_Ant 1	40M	BPSK	1	104	Right Cheek	0mm	2	638000	3570	12.58	13.50	1.236	0.1	0.483	0.597
	FR1 n48_Ant 1	20M	BPSK	1	0	Right Cheek	0mm	2	637334	3560.01	13.82	14.90	1.282	0.12	0.555	0.712
	FR1 n48_Ant 1	40M	BPSK	1	0	Right Cheek	0mm	2	645332	3679.98	12.57	13.50	1.239	0.08	0.535	0.663
26	FR1 n48_Ant 1	20M	BPSK	1	1	Right Cheek	0mm	2	646000	3690	13.90	14.90	1.259	-0.09	0.682	0.859
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Cheek	0mm	2	641666	3624.99	13.92	14.90	1.253	0.01	0.668	0.837
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Cheek	0mm	2	638000	3570	12.43	13.50	1.279	-0.17	0.466	0.596
	FR1 n48_Ant 1	20M	BPSK	25	12	Right Cheek	0mm	2	637334	3560.01	13.78	14.90	1.294	-0.03	0.585	0.757
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Cheek	0mm	2	645332	3679.98	12.46	13.50	1.271	0.14	0.529	0.672
	FR1 n48_Ant 1	30M	BPSK	36	18	Right Cheek	0mm	2	645666	3684.99	13.78	14.90	1.294	0.11	0.633	0.819
	FR1 n48_Ant 1	40M	BPSK	100	0	Right Cheek	0mm	2	641666	3624.99	13.87	14.90	1.268	-0.05	0.532	0.674
	FR1 n48_Ant 1	40M	BPSK	1	1	Right Tilted	0mm	2	641666	3624.99	13.93	14.90	1.250	0.03	0.186	0.233
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Tilted	0mm	2	641666	3624.99	13.92	14.90	1.253	-0.08	0.181	0.227
	FR1 n48_Ant 1	40M	BPSK	1	1	Left Cheek	0mm	2	641666	3624.99	13.93	14.90	1.250	0.12	0.104	0.130
	FR1 n48_Ant 1	40M	BPSK	50	25	Left Cheek	0mm	2	641666	3624.99	13.92	14.90	1.253	-0.08	0.095	0.119
	FR1 n48_Ant 1	40M	BPSK	1	1	Left Tilted	0mm	2	641666	3624.99	13.93	14.90	1.250	0.1	0.114	0.143
	FR1 n48_Ant 1	40M	BPSK	50	25	Left Tilted	0mm	2	641666	3624.99	13.92	14.90	1.253	-0.18	0.106	0.133
	FR1 n48_Ant 1	40M	BPSK	1	1	Right Cheek	0mm	3	641666	3624.99	13.93	14.20	1.064	0.08	0.620	0.660
	FR1 n48_Ant 1	40M	BPSK	1	104	Right Cheek	0mm	3	638000	3570	12.58	13.50	1.236	0.1	0.483	0.597
	FR1 n48_Ant 1	20M	BPSK	1	0	Right Cheek	0mm	3	637334	3560.01	13.82	14.20	1.091	0.12	0.555	0.606
	FR1 n48_Ant 1	40M	BPSK	1	0	Right Cheek	0mm	3	645332	3679.98	12.57	13.50	1.239	0.08	0.535	0.663
	FR1 n48_Ant 1	20M	BPSK	1	1	Right Cheek	0mm	3	646000	3690	13.90	14.20	1.072	-0.09	0.682	0.731
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Cheek	0mm	3	641666	3624.99	13.92	14.20	1.067	0.01	0.668	0.712
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Cheek	0mm	3	638000	3570	12.43	13.50	1.279	-0.17	0.466	0.596
	FR1 n48_Ant 1	20M	BPSK	25	12	Right Cheek	0mm	3	637334	3560.01	13.78	14.20	1.102	-0.03	0.585	0.644
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Cheek	0mm	3	645332	3679.98	12.46	13.50	1.271	0.14	0.529	0.672
	FR1 n48_Ant 1	30M	BPSK	36	18	Right Cheek	0mm	3	645666	3684.99	13.78	14.20	1.102	0.11	0.633	0.697
	FR1 n48_Ant 1	40M	BPSK	1	1	Right Tilted	0mm	3	641666	3624.99	13.93	14.20	1.064	0.03	0.186	0.198
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Tilted	0mm	3	641666	3624.99	13.92	14.20	1.067	-0.08	0.181	0.193
	FR1 n48_Ant 1	40M	BPSK	1	1	Left Cheek	0mm	3	641666	3624.99	13.93	14.20	1.064	0.12	0.104	0.111
	FR1 n48_Ant 1	40M	BPSK	50	25	Left Cheek	0mm	3	641666	3624.99	13.92	14.20	1.067	-0.08	0.095	0.101
	FR1 n48_Ant 1	40M	BPSK	1	1	Left Tilted	0mm	3	641666	3624.99	13.93	14.20	1.064	0.1	0.114	0.121
	FR1 n48_Ant 1	40M	BPSK	50	25	Left Tilted	0mm	3	641666	3624.99	13.92	14.20	1.067	-0.18	0.106	0.113
	FR1 n48_Ant 5	40M	BPSK	1	1	Right Cheek	0mm	2	641666	3624.99	17.60	19.10	1.413	0.18	0.232	0.328
	FR1 n48_Ant 5	40M	BPSK	50	25	Right Cheek	0mm	2	641666	3624.99	17.52	19.10	1.439	0.01	0.215	0.309
	FR1 n48_Ant 5	40M	BPSK	1	1	Right Tilted	0mm	2	641666	3624.99	17.60	19.10	1.413	0.08	0.175	0.247
	FR1 n48_Ant 5	40M	BPSK	50	25	Right Tilted	0mm	2	641666	3624.99	17.52	19.10	1.439	-0.02	0.165	0.237
	FR1 n48_Ant 5	40M	BPSK	1	1	Left Cheek	0mm	2	641666	3624.99	17.60	19.10	1.413	0.06	0.548	0.774
	FR1 n48_Ant 5	40M	BPSK	1	104	Left Cheek	0mm	2	638000	3570	11.68	12.00	1.076	0.02	0.125	0.135
	FR1 n48_Ant 5	20M	BPSK	1	1	Left Cheek	0mm	2	637334	3560.01	17.52	19.10	1.439	0.08	0.503	0.724
	FR1 n48_Ant 5	40M	BPSK	1	0	Left Cheek	0mm	2	645332	3679.98	11.50	12.00	1.122	-0.01	0.114	0.128
	FR1 n48_Ant 5	20M	BPSK	1	1	Left Cheek	0mm	2	646000	3690	17.56	19.10	1.426	0.03	0.423	0.603
	FR1 n48_Ant 5	40M	BPSK	50	25	Left Cheek	0mm	2	641666	3624.99	17.52	19.10	1.439	0.05	0.519	0.747
	FR1 n48_Ant 5	40M	BPSK	50	25	Left Cheek	0mm	2	638000	3570	11.49	12.00	1.125	0.02	0.134	0.151
	FR1 n48_Ant 5	20M	BPSK	25	12	Left Cheek	0mm	2	637334	3624.985	17.41	19.10	1.476	0.03	0.537	0.792
	FR1 n48_Ant 5	40M	BPSK	50	25	Left Cheek	0mm	2	645332	3679.98	11.37	12.00	1.156	0.15	0.106	0.123
	FR1 n48_Ant 5	30M	BPSK	36	18	Left Cheek	0mm	2	646000	3690	17.40	19.10	1.479	0.02	0.417	0.617
	FR1 n48_Ant 5	40M	BPSK	1	1	Left Tilted	0mm	2	641666	3624.99	17.60	19.10	1.413	0.03	0.307	0.434
	FR1 n48_Ant 5	40M	BPSK	50	25	Left Tilted	0mm	2	641666	3624.99	17.52	19.10	1.439	0.09	0.310	0.446
	FR1 n48_Ant 5	40M	BPSK	1	1	Right Cheek	0mm	3	641666	3624.99	17.60	18.40	1.202	0.18	0.232	0.279
	FR1 n48_Ant 5	40M	BPSK	50	25	Right Cheek	0mm	3	641666	3624.99	17.52	18.40	1.225	0.01	0.215	0.263
	FR1 n48_Ant 5	40M	BPSK	1	1	Right Tilted	0mm	3	641666	3624.99	17.60	18.40	1.202	0.08	0.175	0.210
	FR1 n48_Ant 5	40M	BPSK	50	25	Right Tilted	0mm	3	641666	3624.99	17.52	18.40	1.225	-0.02	0.165	0.202
	FR1 n48_Ant 5	40M	BPSK	1	1	Left Cheek	0mm	3	641666	3624.99	17.60	18.40	1.202	0.06	0.548	0.659
	FR1 n48_Ant 5	40M	BPSK	1	104	Left Cheek	0mm	3	638000	3570	11.68	12.00	1.076	0.02	0.125	0.135



FCC SAR TEST REPORT

Report No. : FA4N0919C

	FR1 n48_Ant 5	20M	BPSK	1	1	Left Cheek	0mm	3	637334	3560.01	17.52	18.40	1.225	0.08	0.503	0.616
	FR1 n48_Ant 5	40M	BPSK	1	0	Left Cheek	0mm	3	645332	3679.98	11.50	12.00	1.122	-0.01	0.114	0.128
	FR1 n48_Ant 5	20M	BPSK	1	1	Left Cheek	0mm	3	646000	3690	17.56	18.40	1.213	0.03	0.423	0.513
	FR1 n48_Ant 5	40M	BPSK	50	25	Left Cheek	0mm	3	641666	3624.99	17.52	18.40	1.225	0.05	0.519	0.636
	FR1 n48_Ant 5	40M	BPSK	50	25	Left Cheek	0mm	3	638000	3570	11.49	12.00	1.125	0.02	0.134	0.151
	FR1 n48_Ant 5	20M	BPSK	25	12	Left Cheek	0mm	3	637334	3624.985	17.41	18.40	1.256	0.03	0.537	0.674
	FR1 n48_Ant 5	40M	BPSK	50	25	Left Cheek	0mm	3	645332	3679.98	11.37	12.00	1.156	0.15	0.106	0.123
	FR1 n48_Ant 5	30M	BPSK	36	18	Left Cheek	0mm	3	646000	3690	17.40	18.40	1.259	0.02	0.417	0.525
	FR1 n48_Ant 5	40M	BPSK	1	1	Left Tilted	0mm	3	641666	3624.99	17.60	18.40	1.202	0.03	0.307	0.369
	FR1 n48_Ant 5	40M	BPSK	50	25	Left Tilted	0mm	3	641666	3624.99	17.52	18.40	1.225	0.09	0.310	0.380
	FR1 n66_Ant 2	40M	BPSK	1	108	Right Cheek	0mm	2/3	349000	1745	23.84	25.00	1.306	0.08	0.393	0.513
	FR1 n66_Ant 2	40M	BPSK	108	54	Right Cheek	0mm	2/3	349000	1745	23.79	25.00	1.321	0	0.402	0.531
	FR1 n66_Ant 2	40M	BPSK	1	108	Right Tilted	0mm	2/3	349000	1745	23.84	25.00	1.306	-0.03	0.189	0.247
	FR1 n66_Ant 2	40M	BPSK	108	54	Right Tilted	0mm	2/3	349000	1745	23.79	25.00	1.321	0.01	0.183	0.242
	FR1 n66_Ant 2	40M	BPSK	1	108	Left Cheek	0mm	2/3	349000	1745	23.84	25.00	1.306	-0.16	0.173	0.226
	FR1 n66_Ant 2	40M	BPSK	108	54	Left Cheek	0mm	2/3	349000	1745	23.79	25.00	1.321	0.08	0.166	0.219
	FR1 n66_Ant 2	40M	BPSK	1	108	Left Tilted	0mm	2/3	349000	1745	23.84	25.00	1.306	0.05	0.185	0.242
	FR1 n66_Ant 2	40M	BPSK	108	54	Left Tilted	0mm	2/3	349000	1745	23.79	25.00	1.321	-0.06	0.164	0.217
	FR1 n66_Ant 0	40M	BPSK	1	108	Right Cheek	0mm	2/3	349000	1745	24.06	25.00	1.242	-0.18	0.037	0.046
	FR1 n66_Ant 0	40M	BPSK	108	54	Right Cheek	0mm	2/3	349000	1745	24.02	25.00	1.253	0.11	0.035	0.044
	FR1 n66_Ant 0	40M	BPSK	1	108	Right Tilted	0mm	2/3	349000	1745	24.06	25.00	1.242	-0.18	0.033	0.041
	FR1 n66_Ant 0	40M	BPSK	108	54	Right Tilted	0mm	2/3	349000	1745	24.02	25.00	1.253	-0.05	0.034	0.043
	FR1 n66_Ant 0	40M	BPSK	1	108	Left Cheek	0mm	2/3	349000	1745	24.06	25.00	1.242	-0.15	0.061	0.076
	FR1 n66_Ant 0	40M	BPSK	108	54	Left Cheek	0mm	2/3	349000	1745	24.02	25.00	1.253	0.13	0.058	0.073
	FR1 n66_Ant 0	40M	BPSK	1	108	Left Tilted	0mm	2/3	349000	1745	24.06	25.00	1.242	0.11	0.001	0.001
	FR1 n66_Ant 0	40M	BPSK	108	54	Left Tilted	0mm	2/3	349000	1745	24.02	25.00	1.253	-0.04	0.001	0.001
	FR1 n66_Ant 1	40M	BPSK	1	1	Right Cheek	0mm	2	349000	1745	15.70	16.50	1.202	0.09	0.644	0.774
27	FR1 n66_Ant 1	40M	BPSK	108	54	Right Cheek	0mm	2	349000	1745	15.61	16.50	1.227	-0.03	0.742	0.911
	FR1 n66_Ant 1	40M	BPSK	216	0	Right Cheek	0mm	2	349000	1745	15.61	16.50	1.227	-0.02	0.702	0.862
	FR1 n66_Ant 1	40M	BPSK	1	1	Right Tilted	0mm	2	349000	1745	15.70	16.50	1.202	0.01	0.593	0.713
	FR1 n66_Ant 1	40M	BPSK	108	54	Right Tilted	0mm	2	349000	1745	15.61	16.50	1.227	-0.08	0.646	0.793
	FR1 n66_Ant 1	40M	BPSK	1	1	Left Cheek	0mm	2	349000	1745	15.70	16.50	1.202	0.02	0.240	0.289
	FR1 n66_Ant 1	40M	BPSK	108	54	Left Cheek	0mm	2	349000	1745	15.61	16.50	1.227	0	0.280	0.344
	FR1 n66_Ant 1	40M	BPSK	1	1	Left Tilted	0mm	2	349000	1745	15.70	16.50	1.202	0.05	0.274	0.329
	FR1 n66_Ant 1	40M	BPSK	108	54	Left Tilted	0mm	2	349000	1745	15.61	16.50	1.227	0.06	0.320	0.393
	FR1 n66_Ant 1	40M	BPSK	1	1	Right Cheek	0mm	3	349000	1745	14.60	15.60	1.259	0.08	0.454	0.572
	FR1 n66_Ant 1	40M	BPSK	108	54	Right Cheek	0mm	3	349000	1745	14.51	15.60	1.285	0.02	0.517	0.664
	FR1 n66_Ant 1	40M	BPSK	1	1	Right Tilted	0mm	3	349000	1745	14.60	15.60	1.259	0.05	0.417	0.525
	FR1 n66_Ant 1	40M	BPSK	108	54	Right Tilted	0mm	3	349000	1745	14.51	15.60	1.285	0.03	0.454	0.584
	FR1 n66_Ant 1	40M	BPSK	1	1	Left Cheek	0mm	3	349000	1745	14.60	15.60	1.259	0.05	0.167	0.210
	FR1 n66_Ant 1	40M	BPSK	108	54	Left Cheek	0mm	3	349000	1745	14.51	15.60	1.285	-0.01	0.198	0.254
	FR1 n66_Ant 1	40M	BPSK	1	1	Left Tilted	0mm	3	349000	1745	14.60	15.60	1.259	0	0.190	0.239
	FR1 n66_Ant 1	40M	BPSK	108	54	Left Tilted	0mm	3	349000	1745	14.51	15.60	1.285	0.05	0.223	0.287
	FR1 n66_Ant 5	40M	BPSK	1	1	Right Cheek	0mm	2	349000	1745	19.57	21.00	1.390	0.12	0.413	0.574
	FR1 n66_Ant 5	40M	BPSK	108	54	Right Cheek	0mm	2	349000	1745	19.53	21.00	1.403	0	0.417	0.585
	FR1 n66_Ant 5	40M	BPSK	1	1	Right Tilted	0mm	2	349000	1745	19.57	21.00	1.390	-0.13	0.101	0.140
	FR1 n66_Ant 5	40M	BPSK	108	54	Right Tilted	0mm	2	349000	1745	19.53	21.00	1.403	0.01	0.106	0.149
	FR1 n66_Ant 5	40M	BPSK	1	1	Left Cheek	0mm	2	349000	1745	19.57	21.00	1.390	0.02	0.624	0.867
	FR1 n66_Ant 5	40M	BPSK	108	54	Left Cheek	0mm	2	349000	1745	19.53	21.00	1.403	0.08	0.634	0.889
	FR1 n66_Ant 5	40M	BPSK	216	0	Left Cheek	0mm	2	349000	1745	19.56	21.00	1.393	0.05	0.628	0.875
	FR1 n66_Ant 5	40M	BPSK	1	1	Left Tilted	0mm	2	349000	1745	19.57	21.00	1.390	-0.12	0.103	0.143
	FR1 n66_Ant 5	40M	BPSK	108	54	Left Tilted	0mm	2	349000	1745	19.53	21.00	1.403	-0.15	0.115	0.161
	FR1 n66_Ant 5	40M	BPSK	1	1	Right Cheek	0mm	3	349000	1745	19.57	19.80	1.054	0.12	0.413	0.435
	FR1 n66_Ant 5	40M	BPSK	108	54	Right Cheek	0mm	3	349000	1745	19.53	19.80	1.064	0	0.417	0.444
	FR1 n66_Ant 5	40M	BPSK	1	1	Right Tilted	0mm	3	349000	1745	19.57	19.80	1.054	-0.13	0.101	0.106



FCC SAR TEST REPORT

Report No. : FA4N0919C

	FR1 n66_Ant 5	40M	BPSK	108	54	Right Tilted	0mm	3	349000	1745	19.53	19.80	1.064	0.01	0.106	0.113
	FR1 n66_Ant 5	40M	BPSK	1	1	Left Cheek	0mm	3	349000	1745	19.57	19.80	1.054	0.02	0.624	0.658
	FR1 n66_Ant 5	40M	BPSK	108	54	Left Cheek	0mm	3	349000	1745	19.53	19.80	1.064	0.08	0.634	0.675
	FR1 n66_Ant 5	40M	BPSK	1	1	Left Tilted	0mm	3	349000	1745	19.57	19.80	1.054	-0.12	0.103	0.109
	FR1 n66_Ant 5	40M	BPSK	108	54	Left Tilted	0mm	3	349000	1745	19.53	19.80	1.064	-0.15	0.115	0.122
	FR1 n70_Ant 2	15M	BPSK	1	1	Right Cheek	0mm	2/3	340500	1702.5	23.27	24.70	1.390	0.02	0.301	0.418
28	FR1 n70_Ant 2	15M	BPSK	36	22	Right Cheek	0mm	2/3	340500	1702.5	23.25	24.70	1.396	0.19	0.307	0.429
	FR1 n70_Ant 2	15M	BPSK	1	1	Right Tilted	0mm	2/3	340500	1702.5	23.27	24.70	1.390	-0.15	0.158	0.220
	FR1 n70_Ant 2	15M	BPSK	36	22	Right Tilted	0mm	2/3	340500	1702.5	23.25	24.70	1.396	0.13	0.158	0.221
	FR1 n70_Ant 2	15M	BPSK	1	1	Left Cheek	0mm	2/3	340500	1702.5	23.27	24.70	1.390	0.03	0.132	0.183
	FR1 n70_Ant 2	15M	BPSK	36	22	Left Cheek	0mm	2/3	340500	1702.5	23.25	24.70	1.396	-0.04	0.137	0.191
	FR1 n70_Ant 2	15M	BPSK	1	1	Left Tilted	0mm	2/3	340500	1702.5	23.27	24.70	1.390	-0.11	0.127	0.177
	FR1 n70_Ant 2	15M	BPSK	36	22	Left Tilted	0mm	2/3	340500	1702.5	23.25	24.70	1.396	0.13	0.128	0.179
	FR1 n70_Ant 0	15M	BPSK	1	1	Right Cheek	0mm	2/3	340500	1702.5	23.51	24.70	1.315	0.02	0.051	0.067
	FR1 n70_Ant 0	15M	BPSK	36	22	Right Cheek	0mm	2/3	340500	1702.5	23.50	24.70	1.318	0.15	0.052	0.069
	FR1 n70_Ant 0	15M	BPSK	1	1	Right Tilted	0mm	2/3	340500	1702.5	23.51	24.70	1.315	-0.16	0.042	0.055
	FR1 n70_Ant 0	15M	BPSK	36	22	Right Tilted	0mm	2/3	340500	1702.5	23.50	24.70	1.318	-0.1	0.036	0.047
	FR1 n70_Ant 0	15M	BPSK	1	1	Left Cheek	0mm	2/3	340500	1702.5	23.51	24.70	1.315	0.11	0.073	0.096
	FR1 n70_Ant 0	15M	BPSK	36	22	Left Cheek	0mm	2/3	340500	1702.5	23.50	24.70	1.318	-0.18	0.069	0.091
	FR1 n70_Ant 0	15M	BPSK	1	1	Left Tilted	0mm	2/3	340500	1702.5	23.51	24.70	1.315	-0.05	0.043	0.057
	FR1 n70_Ant 0	15M	BPSK	36	22	Left Tilted	0mm	2/3	340500	1702.5	23.50	24.70	1.318	-0.16	0.041	0.054
	FR1 n71_Ant 0	20M	BPSK	1	1	Right Cheek	0mm	2/3	136100	680.5	24.25	25.00	1.189	0.12	0.165	0.196
	FR1 n71_Ant 0	20M	BPSK	50	28	Right Cheek	0mm	2/3	136100	680.5	24.13	25.00	1.222	0.01	0.159	0.194
	FR1 n71_Ant 0	20M	BPSK	1	1	Right Tilted	0mm	2/3	136100	680.5	24.25	25.00	1.189	-0.08	0.102	0.121
	FR1 n71_Ant 0	20M	BPSK	50	28	Right Tilted	0mm	2/3	136100	680.5	24.13	25.00	1.222	0.15	0.081	0.099
	FR1 n71_Ant 0	20M	BPSK	1	1	Left Cheek	0mm	2/3	136100	680.5	24.25	25.00	1.189	0.09	0.221	0.263
	FR1 n71_Ant 0	20M	BPSK	50	28	Left Cheek	0mm	2/3	136100	680.5	24.13	25.00	1.222	0.03	0.204	0.249
	FR1 n71_Ant 0	20M	BPSK	1	1	Left Tilted	0mm	2/3	136100	680.5	24.25	25.00	1.189	-0.09	0.135	0.160
	FR1 n71_Ant 0	20M	BPSK	50	28	Left Tilted	0mm	2/3	136100	680.5	24.13	25.00	1.222	0.12	0.119	0.145
	FR1 n71_Ant 1	20M	BPSK	1	1	Right Cheek	0mm	2	136100	680.5	22.81	24.40	1.442	0	0.535	0.772
	FR1 n71_Ant 1	20M	BPSK	50	28	Right Cheek	0mm	2	136100	680.5	22.85	24.40	1.429	0.11	0.471	0.673
29	FR1 n71_Ant 1	20M	BPSK	1	1	Right Tilted	0mm	2	136100	680.5	22.81	24.40	1.442	0.01	0.596	0.860
	FR1 n71_Ant 1	20M	BPSK	50	28	Right Tilted	0mm	2	136100	680.5	22.85	24.40	1.429	0.12	0.488	0.697
	FR1 n71_Ant 1	20M	BPSK	100	0	Right Tilted	0mm	2	136100	680.5	22.84	24.40	1.432	0.11	0.463	0.663
	FR1 n71_Ant 1	20M	BPSK	1	1	Left Cheek	0mm	2	136100	680.5	22.81	24.40	1.442	0	0.400	0.577
	FR1 n71_Ant 1	20M	BPSK	50	28	Left Cheek	0mm	2	136100	680.5	22.85	24.40	1.429	0.12	0.354	0.506
	FR1 n71_Ant 1	20M	BPSK	1	1	Left Tilted	0mm	2	136100	680.5	22.81	24.40	1.442	-0.1	0.443	0.639
	FR1 n71_Ant 1	20M	BPSK	50	28	Left Tilted	0mm	2	136100	680.5	22.85	24.40	1.429	0.05	0.396	0.566
	FR1 n71_Ant 1	20M	BPSK	1	1	Right Cheek	0mm	3	136100	680.5	22.81	23.70	1.227	0	0.535	0.657
	FR1 n71_Ant 1	20M	BPSK	50	28	Right Cheek	0mm	3	136100	680.5	22.85	23.70	1.216	0.11	0.471	0.573
	FR1 n71_Ant 1	20M	BPSK	1	1	Right Tilted	0mm	3	136100	680.5	22.81	23.70	1.227	0.01	0.596	0.732
	FR1 n71_Ant 1	20M	BPSK	50	28	Right Tilted	0mm	3	136100	680.5	22.85	23.70	1.216	0.12	0.488	0.593
	FR1 n71_Ant 1	20M	BPSK	1	1	Left Cheek	0mm	3	136100	680.5	22.81	23.70	1.227	0	0.400	0.491
	FR1 n71_Ant 1	20M	BPSK	50	28	Left Cheek	0mm	3	136100	680.5	22.85	23.70	1.216	0.12	0.354	0.431
	FR1 n71_Ant 1	20M	BPSK	1	1	Left Tilted	0mm	3	136100	680.5	22.81	23.70	1.227	-0.1	0.443	0.544
	FR1 n71_Ant 1	20M	BPSK	50	28	Left Tilted	0mm	3	136100	680.5	22.85	23.70	1.216	0.05	0.396	0.482
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Cheek	0mm	2	656000	3840	24.07	25.00	1.239	0.17	0.230	0.285
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Cheek	0mm	2	656000	3840	23.82	25.00	1.312	-0.08	0.151	0.198
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Tilted	0mm	2	656000	3840	24.07	25.00	1.239	0.1	0.339	0.420
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Tilted	0mm	2	656000	3840	23.82	25.00	1.312	-0.18	0.199	0.261
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	2	656000	3840	24.07	25.00	1.239	0.05	0.475	0.588
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Cheek	0mm	2	656000	3840	23.82	25.00	1.312	0.1	0.319	0.419
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Tilted	0mm	2	656000	3840	24.07	25.00	1.239	0.12	0.183	0.227
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Tilted	0mm	2	656000	3840	23.82	25.00	1.312	0.08	0.127	0.167
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	2	656000	3840	26.29	27.00	1.178	-0.17	0.248	0.292



FCC SAR TEST REPORT

Report No. : FA4N0919C

	FR1 n77_Ant 6	100M	BPSK	1	1	Right Cheek	0mm	3	656000	3840	24.07	24.40	1.079	0.17	0.230	0.248
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Cheek	0mm	3	656000	3840	23.82	24.40	1.143	-0.08	0.151	0.173
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Tilted	0mm	3	656000	3840	24.07	24.40	1.079	0.1	0.339	0.366
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Tilted	0mm	3	656000	3840	23.82	24.40	1.143	-0.18	0.199	0.227
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	3	656000	3840	24.07	24.40	1.079	0.05	0.475	0.512
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Cheek	0mm	3	656000	3840	23.82	24.40	1.143	0.1	0.319	0.365
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Tilted	0mm	3	656000	3840	24.07	24.40	1.079	0.12	0.183	0.197
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Tilted	0mm	3	656000	3840	23.82	24.40	1.143	0.08	0.127	0.145
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	3	656000	3840	26.29	27.00	1.178	-0.17	0.248	0.292
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Cheek	0mm	2	633332	3499.98	23.94	25.00	1.276	-0.08	0.324	0.414
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Cheek	0mm	2	633332	3499.98	23.73	25.00	1.340	-0.18	0.302	0.405
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Tilted	0mm	2	633332	3499.98	23.94	25.00	1.276	0.1	0.426	0.544
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Tilted	0mm	2	633332	3499.98	23.73	25.00	1.340	0.12	0.368	0.493
30	FR1 n77_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	2	633332	3499.98	23.94	25.00	1.276	-0.02	0.750	0.957
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Cheek	0mm	2	633332	3499.98	23.73	25.00	1.340	0.08	0.703	0.942
	FR1 n77_Ant 6	100M	BPSK	270	0	Left Cheek	0mm	2	633332	3499.98	23.28	24.50	1.324	0.09	0.500	0.662
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Tilted	0mm	2	633332	3499.98	23.94	25.00	1.276	-0.17	0.407	0.520
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Tilted	0mm	2	633332	3499.98	23.73	25.00	1.340	-0.03	0.370	0.496
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	2	633332	3499.98	26.17	27.00	1.211	0.14	0.607	0.735
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Cheek	0mm	3	633332	3499.98	23.94	24.40	1.112	-0.08	0.324	0.360
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Cheek	0mm	3	633332	3499.98	23.73	24.40	1.167	-0.18	0.302	0.352
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Tilted	0mm	3	633332	3499.98	23.94	24.40	1.112	0.1	0.426	0.474
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Tilted	0mm	3	633332	3499.98	23.73	24.40	1.167	0.12	0.368	0.429
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	3	633332	3499.98	23.94	24.40	1.112	-0.02	0.750	0.834
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Cheek	0mm	3	633332	3499.98	23.73	24.40	1.167	0.08	0.703	0.820
	FR1 n77_Ant 6	100M	BPSK	270	0	Left Cheek	0mm	3	633332	3499.98	23.28	24.40	1.294	0.09	0.500	0.647
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Tilted	0mm	3	633332	3499.98	23.94	24.40	1.112	-0.17	0.407	0.452
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Tilted	0mm	3	633332	3499.98	23.73	24.40	1.167	-0.03	0.370	0.432
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	3	633332	3499.98	26.17	27.00	1.211	0.14	0.607	0.735
	FR1 n77_Ant 7	100M	BPSK	1	1	Right Cheek	0mm	2	656000	3840	23.70	24.50	1.202	-0.01	0.481	0.578
	FR1 n77_Ant 7	100M	BPSK	135	69	Right Cheek	0mm	2	656000	3840	23.55	24.50	1.245	-0.08	0.296	0.368
	FR1 n77_Ant 7	100M	BPSK	1	1	Right Tilted	0mm	2	656000	3840	23.70	24.50	1.202	-0.08	0.197	0.237
	FR1 n77_Ant 7	100M	BPSK	135	69	Right Tilted	0mm	2	656000	3840	23.55	24.50	1.245	0.1	0.137	0.170
	FR1 n77_Ant 7	100M	BPSK	1	1	Left Cheek	0mm	2	656000	3840	23.70	24.50	1.202	0.05	0.308	0.370
	FR1 n77_Ant 7	100M	BPSK	135	69	Left Cheek	0mm	2	656000	3840	23.55	24.50	1.245	0.08	0.220	0.274
	FR1 n77_Ant 7	100M	BPSK	1	1	Left Tilted	0mm	2	656000	3840	23.70	24.50	1.202	0.01	0.328	0.394
	FR1 n77_Ant 7	100M	BPSK	135	69	Left Tilted	0mm	2	656000	3840	23.55	24.50	1.245	0.03	0.229	0.285
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Right Cheek	0mm	2	656000	3840	25.70	26.50	1.202	0.02	0.355	0.427
	FR1 n77_Ant 7	100M	BPSK	1	1	Right Cheek	0mm	3	656000	3840	22.68	23.70	1.265	-0.16	0.313	0.396
	FR1 n77_Ant 7	100M	BPSK	135	69	Right Cheek	0mm	3	656000	3840	22.56	23.70	1.300	-0.01	0.193	0.251
	FR1 n77_Ant 7	100M	BPSK	1	1	Right Tilted	0mm	3	656000	3840	22.68	23.70	1.265	0.08	0.128	0.162
	FR1 n77_Ant 7	100M	BPSK	135	69	Right Tilted	0mm	3	656000	3840	22.56	23.70	1.300	0.03	0.091	0.118
	FR1 n77_Ant 7	100M	BPSK	1	1	Left Cheek	0mm	3	656000	3840	22.68	23.70	1.265	0	0.194	0.245
	FR1 n77_Ant 7	100M	BPSK	135	69	Left Cheek	0mm	3	656000	3840	22.56	23.70	1.300	0.01	0.142	0.185
	FR1 n77_Ant 7	100M	BPSK	1	1	Left Tilted	0mm	3	656000	3840	22.68	23.70	1.265	0.11	0.211	0.267
	FR1 n77_Ant 7	100M	BPSK	135	69	Left Tilted	0mm	3	656000	3840	22.56	23.70	1.300	0.02	0.147	0.191
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Right Cheek	0mm	3	656000	3840	25.70	26.50	1.202	0.02	0.295	0.355
	FR1 n77_Ant 7	100M	BPSK	1	1	Right Cheek	0mm	2	633332	3499.98	23.80	24.50	1.175	-0.05	0.516	0.606
	FR1 n77_Ant 7	100M	BPSK	135	69	Right Cheek	0mm	2	633332	3499.98	23.62	24.50	1.225	0.11	0.418	0.512
	FR1 n77_Ant 7	100M	BPSK	1	1	Right Tilted	0mm	2	633332	3499.98	23.80	24.50	1.175	-0.05	0.250	0.294
	FR1 n77_Ant 7	100M	BPSK	135	69	Right Tilted	0mm	2	633332	3499.98	23.62	24.50	1.225	0.18	0.168	0.206
	FR1 n77_Ant 7	100M	BPSK	1	1	Left Cheek	0mm	2	633332	3499.98	23.80	24.50	1.175	-0.01	0.356	0.418
	FR1 n77_Ant 7	100M	BPSK	135	69	Left Cheek	0mm	2	633332	3499.98	23.62	24.50	1.225	0.14	0.273	0.334
	FR1 n77_Ant 7	100M	BPSK	1	1	Left Tilted	0mm	2	633332	3499.98	23.80	24.50	1.175	-0.17	0.310	0.364
	FR1 n77_Ant 7	100M	BPSK	135	69	Left Tilted	0mm	2	633332	3499.98	23.62	24.50	1.225	0.17	0.270	0.331



FCC SAR TEST REPORT

Report No. : FA4N0919C

FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Right Cheek	0mm	2	633332	3499.98	25.67	26.50	1.211	-0.05	0.384	0.465
FR1 n77_Ant 7	100M	BPSK	1	1	Right Cheek	0mm	3	633332	3499.98	22.81	23.70	1.227	-0.06	0.355	0.436
FR1 n77_Ant 7	100M	BPSK	135	69	Right Cheek	0mm	3	633332	3499.98	22.74	23.70	1.247	-0.02	0.278	0.347
FR1 n77_Ant 7	100M	BPSK	1	1	Right Tilted	0mm	3	633332	3499.98	22.81	23.70	1.227	0.06	0.175	0.215
FR1 n77_Ant 7	100M	BPSK	135	69	Right Tilted	0mm	3	633332	3499.98	22.74	23.70	1.247	-0.08	0.117	0.146
FR1 n77_Ant 7	100M	BPSK	1	1	Left Cheek	0mm	3	633332	3499.98	22.81	23.70	1.227	-0.02	0.245	0.301
FR1 n77_Ant 7	100M	BPSK	135	69	Left Cheek	0mm	3	633332	3499.98	22.74	23.70	1.247	0.09	0.193	0.241
FR1 n77_Ant 7	100M	BPSK	1	1	Left Tilted	0mm	3	633332	3499.98	22.81	23.70	1.227	-0.01	0.211	0.259
FR1 n77_Ant 7	100M	BPSK	135	69	Left Tilted	0mm	3	633332	3499.98	22.74	23.70	1.247	0	0.186	0.232
FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Right Cheek	0mm	3	633332	3499.98	25.67	26.50	1.211	-0.05	0.330	0.399
FR1 n77_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	2	656000	3840	14.06	14.70	1.159	0.02	0.715	0.829
FR1 n77_Ant 1	100M	BPSK	135	69	Right Cheek	0mm	2	656000	3840	14.02	14.70	1.169	-0.05	0.762	0.891
FR1 n77_Ant 1	100M	BPSK	270	0	Right Cheek	0mm	2	656000	3840	13.99	14.70	1.178	0.05	0.702	0.827
FR1 n77_Ant 1	100M	BPSK	1	1	Right Tilted	0mm	2	656000	3840	14.06	14.70	1.159	0.17	0.146	0.169
FR1 n77_Ant 1	100M	BPSK	135	69	Right Tilted	0mm	2	656000	3840	14.02	14.70	1.169	0.05	0.199	0.233
FR1 n77_Ant 1	100M	BPSK	1	1	Left Cheek	0mm	2	656000	3840	14.06	14.70	1.159	-0.11	0.111	0.129
FR1 n77_Ant 1	100M	BPSK	135	69	Left Cheek	0mm	2	656000	3840	14.02	14.70	1.169	0.17	0.124	0.145
FR1 n77_Ant 1	100M	BPSK	1	1	Left Tilted	0mm	2	656000	3840	14.06	14.70	1.159	-0.13	0.096	0.111
FR1 n77_Ant 1	100M	BPSK	135	69	Left Tilted	0mm	2	656000	3840	14.02	14.70	1.169	0.12	0.107	0.125
FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	2	656000	3840	17.03	17.70	1.167	0.11	0.708	0.826
FR1 n77_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	3	656000	3840	13.06	13.50	1.107	-0.02	0.619	0.685
FR1 n77_Ant 1	100M	BPSK	135	69	Right Cheek	0mm	3	656000	3840	13.02	13.50	1.117	0.1	0.622	0.695
FR1 n77_Ant 1	100M	BPSK	270	0	Right Cheek	0mm	3	656000	3840	12.99	13.50	1.125	0.09	0.589	0.662
FR1 n77_Ant 1	100M	BPSK	1	1	Right Tilted	0mm	3	656000	3840	13.06	13.50	1.107	0.03	0.123	0.136
FR1 n77_Ant 1	100M	BPSK	135	69	Right Tilted	0mm	3	656000	3840	13.02	13.50	1.117	-0.02	0.170	0.190
FR1 n77_Ant 1	100M	BPSK	1	1	Left Cheek	0mm	3	656000	3840	13.06	13.50	1.107	0.05	0.095	0.105
FR1 n77_Ant 1	100M	BPSK	135	69	Left Cheek	0mm	3	656000	3840	13.02	13.50	1.117	0.02	0.099	0.111
FR1 n77_Ant 1	100M	BPSK	1	1	Left Tilted	0mm	3	656000	3840	13.06	13.50	1.107	0.08	0.075	0.083
FR1 n77_Ant 1	100M	BPSK	135	69	Left Tilted	0mm	3	656000	3840	13.02	13.50	1.117	-0.02	0.085	0.095
FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	3	656000	3840	16.03	16.50	1.114	0.06	0.559	0.623
FR1 n77_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	2	633332	3499.98	14.16	14.70	1.132	0.04	0.448	0.507
FR1 n77_Ant 1	100M	BPSK	135	69	Right Cheek	0mm	2	633332	3499.98	13.98	14.70	1.180	-0.16	0.368	0.434
FR1 n77_Ant 1	100M	BPSK	1	1	Right Tilted	0mm	2	633332	3499.98	14.16	14.70	1.132	-0.14	0.237	0.268
FR1 n77_Ant 1	100M	BPSK	135	69	Right Tilted	0mm	2	633332	3499.98	13.98	14.70	1.180	0.1	0.212	0.250
FR1 n77_Ant 1	100M	BPSK	1	1	Left Cheek	0mm	2	633332	3499.98	14.16	14.70	1.132	0.06	0.191	0.216
FR1 n77_Ant 1	100M	BPSK	135	69	Left Cheek	0mm	2	633332	3499.98	13.98	14.70	1.180	-0.01	0.153	0.181
FR1 n77_Ant 1	100M	BPSK	1	1	Left Tilted	0mm	2	633332	3499.98	14.16	14.70	1.132	0.1	0.185	0.209
FR1 n77_Ant 1	100M	BPSK	135	69	Left Tilted	0mm	2	633332	3499.98	13.98	14.70	1.180	-0.02	0.173	0.204
FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	2	633332	3499.98	17.10	17.70	1.148	-0.12	0.429	0.493
FR1 n77_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	3	633332	3499.98	13.16	13.50	1.081	0.19	0.378	0.409
FR1 n77_Ant 1	100M	BPSK	135	69	Right Cheek	0mm	3	633332	3499.98	12.98	13.50	1.127	0.02	0.311	0.351
FR1 n77_Ant 1	100M	BPSK	1	1	Right Tilted	0mm	3	633332	3499.98	13.16	13.50	1.081	0.01	0.198	0.214
FR1 n77_Ant 1	100M	BPSK	135	69	Right Tilted	0mm	3	633332	3499.98	12.98	13.50	1.127	0.05	0.176	0.198
FR1 n77_Ant 1	100M	BPSK	1	1	Left Cheek	0mm	3	633332	3499.98	13.16	13.50	1.081	-0.01	0.152	0.164
FR1 n77_Ant 1	100M	BPSK	135	69	Left Cheek	0mm	3	633332	3499.98	12.98	13.50	1.127	0	0.124	0.140
FR1 n77_Ant 1	100M	BPSK	1	1	Left Tilted	0mm	3	633332	3499.98	13.16	13.50	1.081	0.02	0.150	0.162
FR1 n77_Ant 1	100M	BPSK	135	69	Left Tilted	0mm	3	633332	3499.98	12.98	13.50	1.127	0.08	0.139	0.157
FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	3	633332	3499.98	16.10	16.50	1.096	0.03	0.341	0.374
FR1 n77_Ant 5	100M	BPSK	1	1	Right Cheek	0mm	2	656000	3840	16.07	17.60	1.422	0.01	0.068	0.097
FR1 n77_Ant 5	100M	BPSK	135	69	Right Cheek	0mm	2	656000	3840	15.93	17.60	1.469	0.03	0.075	0.110
FR1 n77_Ant 5	100M	BPSK	1	1	Right Tilted	0mm	2	656000	3840	16.07	17.60	1.422	0.02	0.065	0.092
FR1 n77_Ant 5	100M	BPSK	135	69	Right Tilted	0mm	2	656000	3840	15.93	17.60	1.469	0.05	0.067	0.098
FR1 n77_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	2	656000	3840	16.07	17.60	1.422	0.13	0.495	0.704
FR1 n77_Ant 5	100M	BPSK	135	69	Left Cheek	0mm	2	656000	3840	15.93	17.60	1.469	-0.06	0.510	0.749
FR1 n77_Ant 5	100M	BPSK	1	1	Left Tilted	0mm	2	656000	3840	16.07	17.60	1.422	0.02	0.141	0.201



FCC SAR TEST REPORT

Report No. : FA4N0919C

FR1 n77_Ant 5	100M	BPSK	135	69	Left Tilted	0mm	2	656000	3840	15.93	17.60	1.469	-0.01	0.137	0.201
FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	2	656000	3840	19.15	20.60	1.396	0.06	0.502	0.701
FR1 n77_Ant 5	100M	BPSK	1	1	Right Cheek	0mm	3	656000	3840	16.07	16.90	1.211	0.01	0.068	0.082
FR1 n77_Ant 5	100M	BPSK	135	69	Right Cheek	0mm	3	656000	3840	15.93	16.90	1.250	0.03	0.075	0.094
FR1 n77_Ant 5	100M	BPSK	1	1	Right Tilted	0mm	3	656000	3840	16.07	16.90	1.211	0.02	0.065	0.079
FR1 n77_Ant 5	100M	BPSK	135	69	Right Tilted	0mm	3	656000	3840	15.93	16.90	1.250	0.05	0.067	0.084
FR1 n77_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	3	656000	3840	16.07	16.90	1.211	0.13	0.495	0.599
FR1 n77_Ant 5	100M	BPSK	135	69	Left Cheek	0mm	3	656000	3840	15.93	16.90	1.250	-0.06	0.510	0.638
FR1 n77_Ant 5	100M	BPSK	1	1	Left Tilted	0mm	3	656000	3840	16.07	16.90	1.211	0.02	0.141	0.171
FR1 n77_Ant 5	100M	BPSK	135	69	Left Tilted	0mm	3	656000	3840	15.93	16.90	1.250	-0.01	0.137	0.171
FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	3	656000	3840	19.15	19.90	1.189	0.06	0.502	0.597
FR1 n77_Ant 5	100M	BPSK	1	1	Right Cheek	0mm	2	633332	3499.98	16.17	17.60	1.390	-0.12	0.052	0.072
FR1 n77_Ant 5	100M	BPSK	135	69	Right Cheek	0mm	2	633332	3499.98	15.89	17.60	1.483	0.05	0.044	0.065
FR1 n77_Ant 5	100M	BPSK	1	1	Right Tilted	0mm	2	633332	3499.98	16.17	17.60	1.390	-0.02	0.047	0.065
FR1 n77_Ant 5	100M	BPSK	135	69	Right Tilted	0mm	2	633332	3499.98	15.89	17.60	1.483	0.01	0.042	0.062
FR1 n77_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	2	633332	3499.98	16.17	17.60	1.390	-0.05	0.274	0.381
FR1 n77_Ant 5	100M	BPSK	135	69	Left Cheek	0mm	2	633332	3499.98	15.89	17.60	1.483	0.06	0.235	0.348
FR1 n77_Ant 5	100M	BPSK	1	1	Left Tilted	0mm	2	633332	3499.98	16.17	17.60	1.390	0.05	0.134	0.186
FR1 n77_Ant 5	100M	BPSK	135	69	Left Tilted	0mm	2	633332	3499.98	15.89	17.60	1.483	-0.01	0.122	0.181
FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	2	633332	3499.98	19.44	20.60	1.306	0.02	0.275	0.359
FR1 n77_Ant 5	100M	BPSK	1	1	Right Cheek	0mm	3	633332	3499.98	16.17	16.90	1.183	-0.12	0.052	0.062
FR1 n77_Ant 5	100M	BPSK	135	69	Right Cheek	0mm	3	633332	3499.98	15.89	16.90	1.262	0.05	0.044	0.056
FR1 n77_Ant 5	100M	BPSK	1	1	Right Tilted	0mm	3	633332	3499.98	16.17	16.90	1.183	-0.02	0.047	0.056
FR1 n77_Ant 5	100M	BPSK	135	69	Right Tilted	0mm	3	633332	3499.98	15.89	16.90	1.262	0.01	0.042	0.053
FR1 n77_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	3	633332	3499.98	16.17	16.90	1.183	-0.05	0.274	0.324
FR1 n77_Ant 5	100M	BPSK	135	69	Left Cheek	0mm	3	633332	3499.98	15.89	16.90	1.262	0.06	0.235	0.297
FR1 n77_Ant 5	100M	BPSK	1	1	Left Tilted	0mm	3	633332	3499.98	16.17	16.90	1.183	0.05	0.134	0.159
FR1 n77_Ant 5	100M	BPSK	135	69	Left Tilted	0mm	3	633332	3499.98	15.89	16.90	1.262	-0.01	0.122	0.154
FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	3	633332	3499.98	19.44	19.90	1.112	0.02	0.275	0.306

**<WLAN SAR>**

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
31	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 4	1	11	2462	15.93	17.50	1.435	100	1.000	0	0.356	0.511
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 4	1	11	2462	15.93	17.50	1.435	100	1.000	0.03	0.290	0.416
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	1	11	2462	15.93	17.50	1.435	100	1.000	0.02	0.814	1.168
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	1	1	2412	15.86	17.50	1.459	100	1.000	-0.14	0.599	0.874
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	1	6	2437	15.91	17.50	1.442	100	1.000	-0.05	0.523	0.754
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	1	12	2467	15.82	17.50	1.472	100	1.000	-0.04	0.699	1.029
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	1	13	2472	15.88	17.50	1.452	100	1.000	-0.06	0.763	1.108
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	1	11	2462	15.93	17.50	1.435	100	1.000	0.12	0.808	1.160
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	1	1	2412	15.86	17.50	1.459	100	1.000	-0.01	0.446	0.651
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	1	6	2437	15.91	17.50	1.442	100	1.000	0	0.529	0.763
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	1	12	2467	15.82	17.50	1.472	100	1.000	0.02	0.608	0.895
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	1	13	2472	15.88	17.50	1.452	100	1.000	0.01	0.616	0.895
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	1	11	2462	15.64	17.50	1.535	100	1.000	0.01	0.576	0.884
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	1	1	2412	15.52	17.50	1.578	100	1.000	0.01	0.296	0.467
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	1	6	2437	15.53	17.50	1.574	100	1.000	-0.02	0.339	0.534
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	1	12	2467	15.51	17.50	1.581	100	1.000	0.02	0.383	0.606
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	1	13	2472	15.50	17.50	1.585	100	1.000	0	0.336	0.533
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 3	1	11	2462	15.64	17.50	1.535	100	1.000	0.05	0.128	0.196
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3	1	11	2462	15.64	17.50	1.535	100	1.000	-0.06	0.271	0.416
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3	1	11	2462	15.64	17.50	1.535	100	1.000	0.08	0.083	0.127
	WLAN2.4GHz	802.11g 6Mbps	Right Cheek	0mm	Ant 4+3(4)	1	6	2437	15.53	17.50	1.574	99.51	1.005	-0.04	0.457	0.723
	WLAN2.4GHz	802.11g 6Mbps	Right Cheek	0mm	Ant 4+3(3)	1	6	2437	15.73	17.50	1.503	99.51	1.005	-0.04	0.094	0.142
	WLAN2.4GHz	802.11g 6Mbps	Right Tilted	0mm	Ant 4+3(4)	1	6	2437	15.53	17.50	1.574	99.51	1.005	0.03	0.232	0.367
	WLAN2.4GHz	802.11g 6Mbps	Right Tilted	0mm	Ant 4+3(3)	1	6	2437	15.73	17.50	1.503	99.51	1.005	0.03	0.137	0.207
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 4+3(4)	1	6	2437	15.53	17.50	1.574	99.51	1.005	0.03	0.574	0.908
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 4+3(3)	1	6	2437	15.73	17.50	1.503	99.51	1.005	0.03	0.230	0.347
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 4+3(4)	1	1	2412	15.50	17.50	1.585	99.51	1.005	-0.03	0.470	0.749
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 4+3(3)	1	1	2412	15.74	17.50	1.500	99.51	1.005	-0.03	0.170	0.256
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 4+3(4)	1	11	2462	14.92	15.50	1.143	99.51	1.005	0.02	0.640	0.735
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 4+3(3)	1	11	2462	15.43	15.50	1.016	99.51	1.005	0.02	0.193	0.197
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 4+3(4)	1	6	2437	15.53	17.50	1.574	99.51	1.005	0	0.489	0.774
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 4+3(3)	1	6	2437	15.73	17.50	1.503	99.51	1.005	0	0.072	0.109
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 4	2	11	2462	15.93	16.00	1.016	100	1.000	0	0.356	0.362
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 4	2	11	2462	15.93	16.00	1.016	100	1.000	0.03	0.290	0.295
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	2	11	2462	15.93	16.00	1.016	100	1.000	0.02	0.814	0.827
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	2	1	2412	15.86	16.00	1.033	100	1.000	-0.14	0.599	0.619
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	2	6	2437	15.91	16.00	1.021	100	1.000	-0.05	0.523	0.534
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	2	12	2467	15.82	16.00	1.042	100	1.000	-0.04	0.699	0.729
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	2	13	2472	15.88	16.00	1.028	100	1.000	-0.06	0.763	0.784
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	2	11	2462	15.93	16.00	1.016	100	1.000	0.12	0.808	0.821
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	2	1	2412	15.86	16.00	1.033	100	1.000	-0.01	0.446	0.461
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	2	6	2437	15.91	16.00	1.021	100	1.000	0	0.529	0.540
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	2	12	2467	15.82	16.00	1.042	100	1.000	0.02	0.608	0.634
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	2	13	2472	15.88	16.00	1.028	100	1.000	0.01	0.616	0.633
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	2	11	2462	15.64	16.00	1.086	100	1.000	0.01	0.576	0.626
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 3	2	11	2462	15.64	16.00	1.086	100	1.000	0.05	0.128	0.139
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3	2	11	2462	15.64	16.00	1.086	100	1.000	-0.06	0.271	0.294
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3	2	11	2462	15.64	16.00	1.086	100	1.000	0.08	0.083	0.090
	WLAN2.4GHz	802.11g 6Mbps	Right Cheek	0mm	Ant 4+3(4)	2	6	2437	15.53	16.00	1.114	99.51	1.005	-0.04	0.097	0.109
	WLAN2.4GHz	802.11g 6Mbps	Right Cheek	0mm	Ant 4+3(3)	2	6	2437	15.73	16.00	1.064	99.51	1.005	-0.04	0.457	0.489



FCC SAR TEST REPORT

Report No. : FA4N0919C

	WLAN2.4GHz	802.11g 6Mbps	Right Tilted	0mm	Ant 4+3(4)	2	6	2437	15.53	16.00	1.114	99.51	1.005	0.03	0.141	0.158
	WLAN2.4GHz	802.11g 6Mbps	Right Tilted	0mm	Ant 4+3(3)	2	6	2437	15.73	16.00	1.064	99.51	1.005	0.03	0.232	0.248
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 4+3(4)	2	6	2437	15.53	16.00	1.114	99.51	1.005	0.03	0.574	0.643
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 4+3(3)	2	6	2437	15.73	16.00	1.064	99.51	1.005	0.03	0.230	0.246
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 4+3(4)	2	6	2437	15.53	16.00	1.114	99.51	1.005	0	0.489	0.548
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 4+3(3)	2	6	2437	15.73	16.00	1.064	99.51	1.005	0	0.072	0.077
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 4	3	6	2437	11.89	13.50	1.449	100	1.000	0.08	0.090	0.130
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 4	3	6	2437	11.89	13.50	1.449	100	1.000	0.01	0.084	0.122
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	3	6	2437	11.89	13.50	1.449	100	1.000	0.03	0.186	0.269
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	3	6	2437	11.89	13.50	1.449	100	1.000	0.1	0.217	0.314
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	3	1	2412	11.62	13.50	1.542	100	1.000	-0.08	0.140	0.216
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 3	3	1	2412	11.62	13.50	1.542	100	1.000	0.1	0.030	0.046
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3	3	1	2412	11.62	13.50	1.542	100	1.000	-0.18	0.066	0.102
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3	3	1	2412	11.62	13.50	1.542	100	1.000	0.1	0.020	0.031
	WLAN2.4GHz	802.11g 6Mbps	Right Cheek	0mm	Ant 4+3(4)	3	11	2462	11.86	13.50	1.459	99.51	1.005	0.11	0.086	0.126
	WLAN2.4GHz	802.11g 6Mbps	Right Cheek	0mm	Ant 4+3(3)	3	11	2462	11.56	13.50	1.563	99.51	1.005	0.11	0.148	0.233
	WLAN2.4GHz	802.11g 6Mbps	Right Tilted	0mm	Ant 4+3(4)	3	11	2462	11.86	13.50	1.459	99.51	1.005	-0.01	0.087	0.128
	WLAN2.4GHz	802.11g 6Mbps	Right Tilted	0mm	Ant 4+3(3)	3	11	2462	11.56	13.50	1.563	99.51	1.005	-0.01	0.069	0.108
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 4+3(4)	3	11	2462	11.86	13.50	1.459	99.51	1.005	0.1	0.287	0.421
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 4+3(3)	3	11	2462	11.56	13.50	1.563	99.51	1.005	0.1	0.109	0.171
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 4+3(4)	3	11	2462	11.86	13.50	1.459	99.51	1.005	-0.16	0.195	0.286
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 4+3(3)	3	11	2462	11.56	13.50	1.563	99.51	1.005	-0.16	0.019	0.030
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 4	4	11	2462	9.87	10.00	1.030	100	1.000	0.12	0.089	0.092
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 4	4	11	2462	9.87	10.00	1.030	100	1.000	0.1	0.083	0.086
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	4	11	2462	9.87	10.00	1.030	100	1.000	-0.02	0.184	0.190
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	4	11	2462	9.87	10.00	1.030	100	1.000	0.01	0.139	0.143
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	4	6	2437	9.88	10.00	1.028	100	1.000	-0.16	0.154	0.158
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 3	4	6	2437	9.88	10.00	1.028	100	1.000	0.08	0.033	0.034
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3	4	6	2437	9.88	10.00	1.028	100	1.000	0.01	0.072	0.074
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3	4	6	2437	9.88	10.00	1.028	100	1.000	0.03	0.022	0.023
	WLAN2.4GHz	802.11g 6Mbps	Right Cheek	0mm	Ant 4+3(4)	4	11	2462	9.65	10.00	1.084	99.51	1.005	-0.17	0.052	0.057
	WLAN2.4GHz	802.11g 6Mbps	Right Cheek	0mm	Ant 4+3(3)	4	11	2462	9.87	10.00	1.030	99.51	1.005	-0.17	0.064	0.066
	WLAN2.4GHz	802.11g 6Mbps	Right Tilted	0mm	Ant 4+3(4)	4	11	2462	9.65	10.00	1.084	99.51	1.005	-0.01	0.053	0.058
	WLAN2.4GHz	802.11g 6Mbps	Right Tilted	0mm	Ant 4+3(3)	4	11	2462	9.87	10.00	1.030	99.51	1.005	-0.01	0.030	0.031
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 4+3(4)	4	11	2462	9.65	10.00	1.084	99.51	1.005	-0.11	0.175	0.191
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 4+3(3)	4	11	2462	9.87	10.00	1.030	99.51	1.005	-0.11	0.047	0.049
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 4+3(4)	4	11	2462	9.65	10.00	1.084	99.51	1.005	0.05	0.119	0.130
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 4+3(3)	4	11	2462	9.87	10.00	1.030	99.51	1.005	0.05	0.008	0.008
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 4+3(4)	1	52	5260	14.52	16.00	1.406	99.51	1.005	-0.01	0.193	0.273
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 4+3(3)	1	52	5260	14.60	16.00	1.380	99.51	1.005	-0.01	0.784	1.088
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 4+3(4)	1	56	5280	14.15	16.00	1.531	99.51	1.005	-0.07	0.186	0.286
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 4+3(3)	1	56	5280	14.34	16.00	1.466	99.51	1.005	-0.07	0.754	1.111
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 4+3(4)	1	60	5300	14.97	15.00	1.007	99.51	1.005	-0.04	0.315	0.319
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 4+3(3)	1	60	5300	13.88	15.00	1.294	99.51	1.005	-0.04	0.907	1.180
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 4+3(4)	1	64	5320	14.78	15.00	1.052	99.51	1.005	0.01	0.216	0.228
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 4+3(3)	1	64	5320	14.11	15.00	1.227	99.51	1.005	0.01	0.592	0.730
	WLAN5GHz	802.11a 6Mbps	Right Tilted	0mm	Ant 4+3(4)	1	52	5260	14.52	16.00	1.406	99.51	1.005	-0.1	0.183	0.259
	WLAN5GHz	802.11a 6Mbps	Right Tilted	0mm	Ant 4+3(3)	1	52	5260	14.60	16.00	1.380	99.51	1.005	-0.1	0.619	0.859
	WLAN5GHz	802.11a 6Mbps	Right Tilted	0mm	Ant 4+3(4)	1	56	5280	14.15	16.00	1.531	99.51	1.005	-0.04	0.149	0.229
	WLAN5GHz	802.11a 6Mbps	Right Tilted	0mm	Ant 4+3(3)	1	56	5280	14.34	16.00	1.466	99.51	1.005	-0.04	0.520	0.766
	WLAN5GHz	802.11a 6Mbps	Right Tilted	0mm	Ant 4+3(4)	1	60	5300	14.97	15.00	1.007	99.51	1.005	-0.03	0.183	0.185
	WLAN5GHz	802.11a 6Mbps	Right Tilted	0mm	Ant 4+3(3)	1	60	5300	13.88	15.00	1.294	99.51	1.005	-0.03	0.654	0.851
	WLAN5GHz	802.11a 6Mbps	Right Tilted	0mm	Ant 4+3(4)	1	64	5320	14.78	15.00	1.052	99.51	1.005	0.06	0.159	0.168
	WLAN5GHz	802.11a 6Mbps	Right Tilted	0mm	Ant 4+3(3)	1	64	5320	14.11	15.00	1.227	99.51	1.005	0.06	0.478	0.590
	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 4+3(4)	1	52	5260	14.52	16.00	1.406	99.51	1.005	0.19	0.426	0.602



FCC SAR TEST REPORT

Report No. : FA4N0919C

	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 4+3(3)	1	52	5260	14.60	16.00	1.380	99.51	1.005	0.19	0.119	0.165
	WLAN5GHz	802.11a 6Mbps	Left Tilted	0mm	Ant 4+3(4)	1	52	5260	14.52	16.00	1.406	99.51	1.005	-0.09	0.433	0.612
	WLAN5GHz	802.11a 6Mbps	Left Tilted	0mm	Ant 4+3(3)	1	52	5260	14.60	16.00	1.380	99.51	1.005	-0.09	0.211	0.293
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4+3(4)	2	54	5270	13.11	13.50	1.094	97.87	1.022	0.07	0.190	0.212
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4+3(3)	2	54	5270	13.44	13.50	1.014	97.87	1.022	0.07	0.421	0.436
	WLAN5GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 4+3(4)	2	54	5270	13.11	13.50	1.094	97.87	1.022	-0.07	0.001	0.001
	WLAN5GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 4+3(3)	2	54	5270	13.44	13.50	1.014	97.87	1.022	-0.07	0.266	0.276
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 4+3(4)	2	54	5270	13.11	13.50	1.094	97.87	1.022	-0.14	0.189	0.211
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 4+3(3)	2	54	5270	13.44	13.50	1.014	97.87	1.022	-0.14	0.065	0.067
	WLAN5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 4+3(4)	2	54	5270	13.11	13.50	1.094	97.87	1.022	0.01	0.194	0.217
	WLAN5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 4+3(3)	2	54	5270	13.44	13.50	1.014	97.87	1.022	0.01	0.001	0.001
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4+3(4)	3	54	5270	13.11	13.50	1.094	97.87	1.022	0.07	0.190	0.212
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4+3(3)	3	54	5270	13.44	13.50	1.014	97.87	1.022	0.07	0.421	0.436
	WLAN5GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 4+3(4)	3	54	5270	13.11	13.50	1.094	97.87	1.022	-0.07	0.001	0.001
	WLAN5GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 4+3(3)	3	54	5270	13.44	13.50	1.014	97.87	1.022	-0.07	0.266	0.276
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 4+3(4)	3	54	5270	13.11	13.50	1.094	97.87	1.022	-0.14	0.189	0.211
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 4+3(3)	3	54	5270	13.44	13.50	1.014	97.87	1.022	-0.14	0.065	0.067
	WLAN5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 4+3(4)	3	54	5270	13.11	13.50	1.094	97.87	1.022	0.01	0.194	0.217
	WLAN5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 4+3(3)	3	54	5270	13.44	13.50	1.014	97.87	1.022	0.01	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	4	58	5290	8.88	10.00	1.294	97.87	1.022	0.14	0.060	0.079
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	4	58	5290	8.67	10.00	1.358	97.87	1.022	0.14	0.163	0.226
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(4)	4	58	5290	8.88	10.00	1.294	97.87	1.022	0.08	0.026	0.034
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(3)	4	58	5290	8.67	10.00	1.358	97.87	1.022	0.08	0.087	0.121
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(4)	4	58	5290	8.88	10.00	1.294	97.87	1.022	0.17	0.057	0.075
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(3)	4	58	5290	8.67	10.00	1.358	97.87	1.022	0.17	0.007	0.010
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(4)	4	58	5290	8.88	10.00	1.294	97.87	1.022	0.03	0.042	0.056
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(3)	4	58	5290	8.67	10.00	1.358	97.87	1.022	0.03	0.007	0.010
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	1	122	5610	15.78	16.50	1.180	97.98	1.021	-0.01	0.189	0.228
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	1	122	5610	15.43	16.50	1.279	97.98	1.021	-0.01	0.636	0.831
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	1	106	5530	12.88	13.00	1.028	97.98	1.021	0.06	0.085	0.089
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	1	106	5530	11.90	13.00	1.288	97.98	1.021	0.06	0.330	0.434
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	1	138	5690	15.53	16.50	1.250	97.98	1.021	-0.01	0.196	0.250
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	1	138	5690	15.63	16.50	1.222	97.98	1.021	-0.01	0.882	1.100
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(4)	1	122	5610	15.78	16.50	1.180	97.98	1.021	0.04	0.246	0.296
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(3)	1	122	5610	15.43	16.50	1.279	97.98	1.021	0.04	0.712	0.930
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(4)	1	106	5530	12.88	13.00	1.028	97.98	1.021	-0.04	0.216	0.227
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(3)	1	106	5530	11.90	13.00	1.288	97.98	1.021	-0.04	0.296	0.389
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(4)	1	138	5690	15.53	16.50	1.250	97.98	1.021	0	0.478	0.610
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(3)	1	138	5690	15.63	16.50	1.222	97.98	1.021	0	0.773	0.964
33	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(4)	1	122	5610	15.78	16.50	1.180	97.98	1.021	0	0.934	1.126
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(3)	1	122	5610	15.43	16.50	1.279	97.98	1.021	0	0.104	0.136
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(4)	1	106	5530	12.88	13.00	1.028	97.98	1.021	0.1	0.332	0.348
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(3)	1	106	5530	11.90	13.00	1.288	97.98	1.021	0.1	0.039	0.051
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(4)	1	138	5690	15.53	16.50	1.250	97.98	1.021	-0.09	0.854	1.090
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(3)	1	138	5690	15.63	16.50	1.222	97.98	1.021	-0.09	0.216	0.269
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(4)	1	122	5610	15.78	16.50	1.180	97.98	1.021	0.02	0.831	1.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(3)	1	122	5610	15.43	16.50	1.279	97.98	1.021	0.02	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(4)	1	106	5530	12.88	13.00	1.028	97.98	1.021	-0.02	0.387	0.406
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(3)	1	106	5530	11.90	13.00	1.288	97.98	1.021	-0.02	0.105	0.138
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(4)	1	138	5690	15.53	16.50	1.250	97.98	1.021	0.02	0.795	1.015
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(3)	1	138	5690	15.63	16.50	1.222	97.98	1.021	0.02	0.179	0.223
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	2	122	5610	13.86	14.00	1.033	97.98	1.021	-0.07	0.115	0.121
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	2	122	5610	13.60	14.00	1.096	97.98	1.021	-0.07	0.403	0.451
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(4)	2	122	5610	13.86	14.00	1.033	97.98	1.021	-0.09	0.247	0.260
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(3)	2	122	5610	13.60	14.00	1.096	97.98	1.021	-0.09	0.391	0.438
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(4)	2	122	5610	13.86	14.00	1.033	97.98	1.021	0.14	0.595	0.627



FCC SAR TEST REPORT

Report No. : FA4N0919C

	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(3)	2	122	5610	13.60	14.00	1.096	97.98	1.021	0.14	0.050	0.056
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(4)	2	122	5610	13.86	14.00	1.033	97.98	1.021	0.18	0.484	0.510
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(3)	2	122	5610	13.60	14.00	1.096	97.98	1.021	0.18	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	3	122	5610	9.05	11.00	1.567	97.98	1.021	-0.04	0.025	0.040
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	3	122	5610	9.07	11.00	1.560	97.98	1.021	-0.04	0.157	0.250
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(4)	3	122	5610	9.05	11.00	1.567	97.98	1.021	0.17	0.001	0.002
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(3)	3	122	5610	9.07	11.00	1.560	97.98	1.021	0.17	0.156	0.248
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(4)	3	122	5610	9.05	11.00	1.567	97.98	1.021	-0.19	0.268	0.429
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(3)	3	122	5610	9.07	11.00	1.560	97.98	1.021	-0.19	0.010	0.016
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(4)	3	122	5610	9.05	11.00	1.567	97.98	1.021	0.19	0.178	0.285
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(3)	3	122	5610	9.07	11.00	1.560	97.98	1.021	0.19	0.001	0.002
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	4	122	5610	7.48	8.00	1.127	97.98	1.021	0.19	0.042	0.048
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	4	122	5610	7.24	8.00	1.191	97.98	1.021	0.19	0.122	0.148
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(4)	4	122	5610	7.48	8.00	1.127	97.98	1.021	-0.08	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(3)	4	122	5610	7.24	8.00	1.191	97.98	1.021	-0.08	0.121	0.147
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(4)	4	122	5610	7.48	8.00	1.127	97.98	1.021	-0.17	0.159	0.183
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(3)	4	122	5610	7.24	8.00	1.191	97.98	1.021	-0.17	0.033	0.040
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(4)	4	122	5610	7.48	8.00	1.127	97.98	1.021	-0.18	0.105	0.121
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(3)	4	122	5610	7.24	8.00	1.191	97.98	1.021	-0.18	0.001	0.001
34	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	1	155	5775	15.06	16.00	1.242	97.87	1.022	0.02	0.224	0.284
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	1	155	5775	15.66	16.00	1.081	97.87	1.022	0.02	1.000	1.105
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4+3(4)	1	151	5755	15.02	16.00	1.253	98.98	1.010	0.02	0.321	0.406
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4+3(3)	1	151	5755	15.61	16.00	1.094	98.98	1.010	0.02	0.774	0.855
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(4)	1	155	5775	15.06	16.00	1.242	97.87	1.022	0.08	0.341	0.433
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(3)	1	155	5775	15.66	16.00	1.081	97.87	1.022	0.08	0.632	0.699
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(4)	1	155	5775	15.06	16.00	1.242	97.87	1.022	0.02	0.666	0.845
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(3)	1	155	5775	15.66	16.00	1.081	97.87	1.022	0.02	0.158	0.175
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 4+3(4)	1	151	5755	15.02	16.00	1.253	98.98	1.010	-0.05	0.705	0.892
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 4+3(3)	1	151	5755	15.61	16.00	1.094	98.98	1.010	-0.05	0.153	0.169
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(4)	1	155	5775	15.06	16.00	1.242	97.87	1.022	0.05	0.478	0.607
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(3)	1	155	5775	15.66	16.00	1.081	97.87	1.022	0.05	0.088	0.097
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	2	155	5775	13.51	14.00	1.119	97.87	1.022	0.16	0.363	0.415
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	2	155	5775	13.99	14.00	1.002	97.87	1.022	0.16	0.598	0.613
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(4)	2	155	5775	13.51	14.00	1.119	97.87	1.022	-0.14	0.185	0.212
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(3)	2	155	5775	13.99	14.00	1.002	97.87	1.022	-0.14	0.411	0.421
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(4)	2	155	5775	13.51	14.00	1.119	97.87	1.022	-0.18	0.384	0.439
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(3)	2	155	5775	13.99	14.00	1.002	97.87	1.022	-0.18	0.104	0.107
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(4)	2	155	5775	13.51	14.00	1.119	97.87	1.022	-0.01	0.305	0.349
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(3)	2	155	5775	13.99	14.00	1.002	97.87	1.022	-0.01	0.043	0.044
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	3	155	5775	11.14	12.00	1.219	97.87	1.022	0.03	0.094	0.117
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	3	155	5775	11.39	12.00	1.151	97.87	1.022	0.03	0.354	0.416
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(4)	3	155	5775	11.14	12.00	1.219	97.87	1.022	0.02	0.125	0.156
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(3)	3	155	5775	11.39	12.00	1.151	97.87	1.022	0.02	0.248	0.292
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(4)	3	155	5775	11.14	12.00	1.219	97.87	1.022	0.01	0.295	0.368
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(3)	3	155	5775	11.39	12.00	1.151	97.87	1.022	0.01	0.198	0.233
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(4)	3	155	5775	11.14	12.00	1.219	97.87	1.022	0.05	0.209	0.260
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(3)	3	155	5775	11.39	12.00	1.151	97.87	1.022	0.05	0.198	0.233
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	4	155	5775	8.00	8.00	1.000	97.87	1.022	-0.1	0.037	0.038
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	4	155	5775	7.96	8.00	1.009	97.87	1.022	-0.1	0.210	0.217
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(4)	4	155	5775	8.00	8.00	1.000	97.87	1.022	0.12	0.049	0.050
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(3)	4	155	5775	7.96	8.00	1.009	97.87	1.022	0.12	0.147	0.152
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(4)	4	155	5775	8.00	8.00	1.000	97.87	1.022	-0.09	0.147	0.150
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(3)	4	155	5775	7.96	8.00	1.009	97.87	1.022	-0.09	0.035	0.036
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(4)	4	155	5775	8.00	8.00	1.000	97.87	1.022	0.14	0.104	0.106
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(3)	4	155	5775	7.96	8.00	1.009	97.87	1.022	0.14	0.035	0.036



FCC SAR TEST REPORT

Report No. : FA4N0919C

35	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	1	171	5855	15.12	17.00	1.542	97.87	1.022	0.12	0.167	0.263
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	1	171	5855	15.60	17.00	1.380	97.87	1.022	0.12	0.817	1.153
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4+3(4)	1	175	5875	15.09	17.00	1.552	98.98	1.010	0.03	0.232	0.364
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4+3(3)	1	175	5875	15.50	17.00	1.413	98.98	1.010	0.03	0.789	1.126
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(4)	1	171	5855	15.12	17.00	1.542	97.87	1.022	0.04	0.242	0.381
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(3)	1	171	5855	15.60	17.00	1.380	97.87	1.022	0.04	0.446	0.629
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(4)	1	171	5855	15.12	17.00	1.542	97.87	1.022	-0.12	0.483	0.761
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(3)	1	171	5855	15.60	17.00	1.380	97.87	1.022	-0.12	0.152	0.214
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(4)	1	171	5855	15.12	17.00	1.542	97.87	1.022	-0.13	0.316	0.498
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(3)	1	171	5855	15.60	17.00	1.380	97.87	1.022	-0.13	0.077	0.109
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	2	171	5855	14.00	14.50	1.122	97.87	1.022	0.14	0.046	0.053
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	2	171	5855	14.18	14.50	1.076	97.87	1.022	0.14	0.622	0.684
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(4)	2	171	5855	14.00	14.50	1.122	97.87	1.022	0.05	0.051	0.058
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(3)	2	171	5855	14.18	14.50	1.076	97.87	1.022	0.05	0.489	0.538
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(4)	2	171	5855	14.00	14.50	1.122	97.87	1.022	-0.17	0.122	0.140
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(3)	2	171	5855	14.18	14.50	1.076	97.87	1.022	-0.17	0.295	0.325
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(4)	2	171	5855	14.00	14.50	1.122	97.87	1.022	0.18	0.055	0.063
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(3)	2	171	5855	14.18	14.50	1.076	97.87	1.022	0.18	0.222	0.244
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	3	171	5855	10.54	12.50	1.570	97.87	1.022	0	0.068	0.109
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	3	171	5855	10.96	12.50	1.426	97.87	1.022	0	0.275	0.401
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(4)	3	171	5855	10.54	12.50	1.570	97.87	1.022	0.08	0.051	0.082
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(3)	3	171	5855	10.96	12.50	1.426	97.87	1.022	0.08	0.158	0.230
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(4)	3	171	5855	10.54	12.50	1.570	97.87	1.022	-0.02	0.198	0.318
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(3)	3	171	5855	10.96	12.50	1.426	97.87	1.022	-0.02	0.071	0.103
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(4)	3	171	5855	10.54	12.50	1.570	97.87	1.022	0.05	0.124	0.199
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(3)	3	171	5855	10.96	12.50	1.426	97.87	1.022	0.05	0.087	0.127
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	4	171	5855	8.33	8.50	1.040	97.87	1.022	0.14	0.028	0.030
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	4	171	5855	8.12	8.50	1.091	97.87	1.022	0.14	0.191	0.213
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(4)	4	171	5855	8.33	8.50	1.040	97.87	1.022	-0.17	0.021	0.022
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(3)	4	171	5855	8.12	8.50	1.091	97.87	1.022	-0.17	0.110	0.123
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(4)	4	171	5855	8.33	8.50	1.040	97.87	1.022	-0.1	0.110	0.117
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(3)	4	171	5855	8.12	8.50	1.091	97.87	1.022	-0.1	0.024	0.027
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(4)	4	171	5855	8.33	8.50	1.040	97.87	1.022	0.01	0.068	0.072
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(3)	4	171	5855	8.12	8.50	1.091	97.87	1.022	0.01	0.029	0.032



FCC SAR TEST REPORT

Report No. : FA4N0919C

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Measured APD (W/m^2)	Reported APD (W/m^2)
36	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(4)	1	7	5985	13.58	15.50	1.556	97.62	1.024	-0.09	0.165	0.263	1.24	1.976
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(3)	1	7	5985	13.85	15.50	1.462	97.62	1.024	-0.09	0.547	0.819	3.88	5.809
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(4)	1	71	6305	13.55	15.50	1.567	97.62	1.024	-0.12	0.127	0.204	0.921	1.478
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(3)	1	71	6305	13.68	15.50	1.521	97.62	1.024	-0.12	0.470	0.732	3.28	5.107
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(4)	1	119	6545	13.97	14.00	1.007	97.62	1.024	0.19	0.154	0.159	0.985	1.016
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(3)	1	119	6545	14.00	14.00	1.000	97.62	1.024	0.19	0.415	0.425	3.1	3.174
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(4)	1	167	6785	12.66	13.00	1.081	97.62	1.024	0.07	0.132	0.146	0.896	0.992
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(3)	1	167	6785	12.98	13.00	1.005	97.62	1.024	0.07	0.424	0.436	3.58	3.683
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(4)	1	215	7025	13.64	15.00	1.368	97.62	1.024	-0.04	0.153	0.214	1.03	1.443
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(3)	1	215	7025	13.96	15.00	1.271	97.62	1.024	-0.04	0.376	0.489	2.53	3.292
	WLAN6GHz	802.11ax-HE80 MCS0	Right Tilted	0mm	Ant 4+3(4)	1	7	5985	13.58	15.50	1.556	97.62	1.024	0.04	0.181	0.288	1.32	2.103
	WLAN6GHz	802.11ax-HE80 MCS0	Right Tilted	0mm	Ant 4+3(3)	1	7	5985	13.85	15.50	1.462	97.62	1.024	0.04	0.278	0.416	1.8	2.695
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(4)	1	7	5985	13.58	15.50	1.556	97.62	1.024	0.02	0.474	0.755	2.97	4.732
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(3)	1	7	5985	13.85	15.50	1.462	97.62	1.024	0.02	0.122	0.183	1.05	1.572
	WLAN6GHz	802.11ax-HE80 MCS0	Left Tilted	0mm	Ant 4+3(4)	1	7	5985	13.58	15.50	1.556	97.62	1.024	0.1	0.289	0.460	1.79	2.852
	WLAN6GHz	802.11ax-HE80 MCS0	Left Tilted	0mm	Ant 4+3(3)	1	7	5985	13.85	15.50	1.462	97.62	1.024	0.1	0.164	0.246	1.23	1.842
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(4)	2	7	5985	13.58	14.50	1.236	97.62	1.024	-0.09	0.165	0.209	1.24	1.569
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(3)	2	7	5985	13.85	14.50	1.161	97.62	1.024	-0.09	0.547	0.651	3.88	4.615
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(4)	2	71	6305	13.55	14.50	1.245	97.62	1.024	-0.12	0.127	0.162	0.921	1.174
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(3)	2	71	6305	13.68	14.50	1.208	97.62	1.024	-0.12	0.470	0.581	3.28	4.057
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(4)	2	119	6545	13.97	14.00	1.007	97.62	1.024	0.19	0.154	0.159	0.985	1.016
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(3)	2	119	6545	14.00	14.00	1.000	97.62	1.024	0.19	0.415	0.425	3.1	3.174
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(4)	2	167	6785	12.66	13.00	1.081	97.62	1.024	0.07	0.132	0.146	0.896	0.992
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(3)	2	167	6785	12.98	13.00	1.005	97.62	1.024	0.07	0.424	0.436	3.58	3.683
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(4)	2	215	7025	13.54	14.50	1.247	97.62	1.024	-0.04	0.153	0.195	1.03	1.316
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(3)	2	215	7025	13.86	14.50	1.159	97.62	1.024	-0.04	0.376	0.446	2.53	3.002
	WLAN6GHz	802.11ax-HE80 MCS0	Right Tilted	0mm	Ant 4+3(4)	2	7	5985	13.58	14.50	1.236	97.62	1.024	0.04	0.181	0.229	1.32	1.671
	WLAN6GHz	802.11ax-HE80 MCS0	Right Tilted	0mm	Ant 4+3(3)	2	7	5985	13.85	14.50	1.161	97.62	1.024	0.04	0.278	0.331	1.8	2.141
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(4)	2	7	5985	13.58	14.50	1.236	97.62	1.024	0.02	0.474	0.600	2.97	3.759
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(3)	2	7	5985	13.85	14.50	1.161	97.62	1.024	0.02	0.122	0.145	1.05	1.249
	WLAN6GHz	802.11ax-HE80 MCS0	Left Tilted	0mm	Ant 4+3(4)	2	7	5985	13.58	14.50	1.236	97.62	1.024	0.1	0.289	0.366	1.79	2.265
	WLAN6GHz	802.11ax-HE80 MCS0	Left Tilted	0mm	Ant 4+3(3)	2	7	5985	13.85	14.50	1.161	97.62	1.024	0.1	0.164	0.195	1.23	1.463
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(4)	3	215	7025	14.14	14.50	1.086	97.62	1.024	-0.04	0.153	0.170	1.03	1.146
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(3)	3	215	7025	14.46	14.50	1.009	97.62	1.024	-0.04	0.376	0.389	2.53	2.615
	WLAN6GHz	802.11ax-HE80 MCS0	Right Tilted	0mm	Ant 4+3(4)	3	215	7025	14.14	14.50	1.086	97.62	1.024	-0.01	0.113	0.126	0.804	0.894
	WLAN6GHz	802.11ax-HE80 MCS0	Right Tilted	0mm	Ant 4+3(3)	3	215	7025	14.46	14.50	1.009	97.62	1.024	-0.01	0.192	0.198	1.34	1.385
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(4)	3	215	7025	14.14	14.50	1.086	97.62	1.024	0.18	0.385	0.428	2.67	2.970
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(3)	3	215	7025	14.46	14.50	1.009	97.62	1.024	0.18	0.056	0.058	0.356	0.368
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(4)	3	7	5985	12.03	13.00	1.250	97.62	1.024	0.15	0.261	0.334	1.66	2.125
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(3)	3	7	5985	12.49	13.00	1.125	97.62	1.024	0.15	0.069	0.079	0.623	0.717
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(4)	3	71	6305	12.48	13.00	1.127	97.62	1.024	0	0.354	0.409	2.51	2.897
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(3)	3	71	6305	12.40	13.00	1.148	97.62	1.024	0	0.053	0.062	0.417	0.490
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(4)	3	119	6545	12.86	13.50	1.159	97.62	1.024	-0.1	0.354	0.420	2.36	2.800
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(3)	3	119	6545	12.99	13.50	1.125	97.62	1.024	-0.1	0.061	0.070	0.511	0.588
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(4)	3	167	6785	12.66	13.00	1.081	97.62	1.024	0.04	0.381	0.422	2.64	2.924
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(3)	3	167	6785	12.98	13.00	1.005	97.62	1.024	0.04	0.148	0.152	0.971	0.999
	WLAN6GHz	802.11ax-HE80 MCS0	Left Tilted	0mm	Ant 4+3(4)	3	215	7025	14.14	14.50	1.086	97.62	1.024	0.19	0.210	0.234	1.61	1.791
	WLAN6GHz	802.11ax-HE80 MCS0	Left Tilted	0mm	Ant 4+3(3)	3	215	7025	14.46	14.50	1.009	97.62	1.024	0.19	0.053	0.055	0.302	0.312
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(4)	4	215	7025	10.94	11.00	1.014	97.62	1.024	0.07	0.077	0.080	0.469	0.487
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(3)	4	215	7025	9.45	11.00	1.429	97.62	1.024	0.07	0.119	0.174	0.714	1.045
	WLAN6GHz	802.11ax-HE80 MCS0	Right Tilted	0mm	Ant 4+3(4)	4	215	7025	10.94	11.00	1.014	97.62	1.024	-0.15	0.051	0.053	0.354	0.368
	WLAN6GHz	802.11ax-HE80 MCS0	Right Tilted	0mm	Ant 4+3(3)	4	215	7025	9.45	11.00	1.429	97.62	1.024	-0.15	0.069	0.101	0.417	0.610



FCC SAR TEST REPORT

Report No. : FA4N0919C

	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(4)	4	215	7025	10.94	11.00	1.014	97.62	1.024	-0.06	0.172	0.179	1.08	1.121
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(3)	4	215	7025	9.45	11.00	1.429	97.62	1.024	-0.06	0.032	0.047	0.176	0.258
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(4)	4	7	5985	9.28	9.50	1.052	97.62	1.024	0.01	0.109	0.117	0.564	0.608
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(3)	4	7	5985	7.51	9.50	1.581	97.62	1.024	0.01	0.001	0.002	0.001	0.002
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(4)	4	71	6305	9.39	9.50	1.026	97.62	1.024	-0.01	0.157	0.165	0.938	0.985
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(3)	4	71	6305	7.55	9.50	1.567	97.62	1.024	-0.01	0.022	0.035	0.154	0.247
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(4)	4	119	6545	9.92	10.00	1.019	97.62	1.024	-0.08	0.171	0.178	1.09	1.137
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(3)	4	119	6545	8.87	10.00	1.297	97.62	1.024	-0.08	0.021	0.028	0.184	0.244
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(4)	4	167	6785	10.16	10.50	1.081	97.62	1.024	-0.19	0.146	0.162	0.984	1.090
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(3)	4	167	6785	8.63	10.50	1.538	97.62	1.024	-0.19	0.034	0.054	0.19	0.299
	WLAN6GHz	802.11ax-HE80 MCS0	Left Tilted	0mm	Ant 4+3(4)	4	215	7025	10.94	11.00	1.014	97.62	1.024	-0.05	0.086	0.089	0.601	0.624
	WLAN6GHz	802.11ax-HE80 MCS0	Left Tilted	0mm	Ant 4+3(3)	4	215	7025	9.45	11.00	1.429	97.62	1.024	-0.05	0.001	0.001	0.001	0.001

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 4	1	39	2441	12.50	12.50	1.000	77.07	1.081	-0.03	0.093	0.101
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 4	1	39	2441	12.50	12.50	1.000	77.07	1.081	-0.12	0.094	0.102
37	Bluetooth	1Mbps	Left Cheek	0mm	Ant 4	1	39	2441	12.50	12.50	1.000	77.07	1.081	-0.11	0.273	0.295
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 4	1	39	2441	12.50	12.50	1.000	77.07	1.081	-0.14	0.210	0.227
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 3	1	39	2441	13.44	13.50	1.014	76.96	1.082	-0.11	0.211	0.231
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 3	1	39	2441	13.44	13.50	1.014	76.96	1.082	0.06	0.061	0.067
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 3	1	39	2441	13.44	13.50	1.014	76.96	1.082	0.07	0.102	0.112
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 3	1	39	2441	13.44	13.50	1.014	76.96	1.082	0.16	0.037	0.041

**14.2 Hotspot SAR****<GSM SAR>**

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM850_Ant 0	GPRS (4 Tx slots)	Front	10mm	4	189	836.4	28.40	28.90	1.122	-0.01	0.427	0.479
38	GSM850_Ant 0	GPRS (4 Tx slots)	Back	10mm	4	189	836.4	28.40	28.90	1.122	0.02	0.651	0.730
	GSM850_Ant 0	GPRS (4 Tx slots)	Left Edge	10mm	4	189	836.4	28.40	28.90	1.122	0.19	0.456	0.512
	GSM850_Ant 0	GPRS (4 Tx slots)	Right Edge	10mm	4	189	836.4	28.40	28.90	1.122	0.08	0.292	0.328
	GSM850_Ant 0	GPRS (4 Tx slots)	Bottom Edge	10mm	4	189	836.4	28.40	28.90	1.122	0.12	0.541	0.607
	GSM850_Ant 1	GPRS (4 Tx slots)	Front	10mm	4	189	836.4	27.14	28.10	1.247	0.03	0.097	0.121
	GSM850_Ant 1	GPRS (4 Tx slots)	Back	10mm	4	189	836.4	27.14	28.10	1.247	-0.03	0.177	0.221
	GSM850_Ant 1	GPRS (4 Tx slots)	Left Edge	10mm	4	189	836.4	27.14	28.10	1.247	0.08	0.094	0.117
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Edge	10mm	4	189	836.4	27.14	28.10	1.247	-0.06	0.001	0.001
	GSM850_Ant 1	GPRS (4 Tx slots)	Top Edge	10mm	4	189	836.4	27.14	28.10	1.247	0.05	0.119	0.148
	GSM1900_Ant 2	GPRS (4 Tx slots)	Front	10mm	4	661	1880	26.56	26.70	1.033	-0.05	0.472	0.487
	GSM1900_Ant 2	GPRS (4 Tx slots)	Back	10mm	4	661	1880	26.56	26.70	1.033	-0.03	0.451	0.466
	GSM1900_Ant 2	GPRS (4 Tx slots)	Left Edge	10mm	4	661	1880	26.56	26.70	1.033	0.09	0.135	0.139
	GSM1900_Ant 2	GPRS (4 Tx slots)	Right Edge	10mm	4	661	1880	26.56	26.70	1.033	-0.04	0.663	0.685
	GSM1900_Ant 2	GPRS (4 Tx slots)	Bottom Edge	10mm	4	661	1880	26.56	26.70	1.033	0.02	0.137	0.141
	GSM1900_Ant 0	GPRS (4 Tx slots)	Front	10mm	4	661	1880	19.72	21.40	1.472	-0.03	0.337	0.496
	GSM1900_Ant 0	GPRS (4 Tx slots)	Back	10mm	4	661	1880	19.72	21.40	1.472	0.01	0.368	0.542
	GSM1900_Ant 0	GPRS (4 Tx slots)	Left Edge	10mm	4	661	1880	19.72	21.40	1.472	0.01	0.086	0.127
	GSM1900_Ant 0	GPRS (4 Tx slots)	Right Edge	10mm	4	661	1880	19.72	21.40	1.472	0	0.001	0.001
39	GSM1900_Ant 0	GPRS (4 Tx slots)	Bottom Edge	10mm	4	661	1880	19.72	21.40	1.472	0.02	0.495	0.729

<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA II_Ant 2	RMC 12.2Kbps	Front	10mm	4	9400	1880	22.25	23.10	1.216	0.01	0.406	0.494
	WCDMA II_Ant 2	RMC 12.2Kbps	Back	10mm	4	9400	1880	22.25	23.10	1.216	0.01	0.423	0.514
	WCDMA II_Ant 2	RMC 12.2Kbps	Left Edge	10mm	4	9400	1880	22.25	23.10	1.216	-0.16	0.131	0.159
40	WCDMA II_Ant 2	RMC 12.2Kbps	Right Edge	10mm	4	9400	1880	22.25	23.10	1.216	-0.02	0.635	0.772
	WCDMA II_Ant 2	RMC 12.2Kbps	Bottom Edge	10mm	4	9400	1880	22.25	23.10	1.216	0.02	0.143	0.174
	WCDMA II_Ant 0	RMC 12.2Kbps	Front	10mm	4	9400	1880	16.35	18.00	1.462	-0.01	0.321	0.469
	WCDMA II_Ant 0	RMC 12.2Kbps	Back	10mm	4	9400	1880	16.35	18.00	1.462	0	0.325	0.475
	WCDMA II_Ant 0	RMC 12.2Kbps	Left Edge	10mm	4	9400	1880	16.35	18.00	1.462	-0.07	0.072	0.105
	WCDMA II_Ant 0	RMC 12.2Kbps	Right Edge	10mm	4	9400	1880	16.35	18.00	1.462	0.09	0.001	0.001
	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Edge	10mm	4	9400	1880	16.35	18.00	1.462	0.01	0.489	0.715
	WCDMA IV_Ant 2	RMC 12.2Kbps	Front	10mm	4	1413	1732.6	21.47	22.50	1.268	0	0.247	0.313
	WCDMA IV_Ant 2	RMC 12.2Kbps	Back	10mm	4	1413	1732.6	21.47	22.50	1.268	-0.01	0.327	0.415
	WCDMA IV_Ant 2	RMC 12.2Kbps	Left Edge	10mm	4	1413	1732.6	21.47	22.50	1.268	0.09	0.075	0.095
	WCDMA IV_Ant 2	RMC 12.2Kbps	Right Edge	10mm	4	1413	1732.6	21.47	22.50	1.268	0.01	0.402	0.510
	WCDMA IV_Ant 2	RMC 12.2Kbps	Bottom Edge	10mm	4	1413	1732.6	21.47	22.50	1.268	0.02	0.021	0.027
	WCDMA IV_Ant 0	RMC 12.2Kbps	Front	10mm	4	1413	1732.6	19.66	19.70	1.009	-0.02	0.434	0.438
	WCDMA IV_Ant 0	RMC 12.2Kbps	Back	10mm	4	1413	1732.6	19.66	19.70	1.009	-0.01	0.540	0.545
	WCDMA IV_Ant 0	RMC 12.2Kbps	Left Edge	10mm	4	1413	1732.6	19.66	19.70	1.009	-0.07	0.115	0.116
	WCDMA IV_Ant 0	RMC 12.2Kbps	Right Edge	10mm	4	1413	1732.6	19.66	19.70	1.009	0	0.001	0.001
41	WCDMA IV_Ant 0	RMC 12.2Kbps	Bottom Edge	10mm	4	1413	1732.6	19.66	19.70	1.009	0	0.828	0.836
	WCDMA IV_Ant 0	RMC 12.2Kbps	Bottom Edge	10mm	4	1312	1712.4	19.61	19.70	1.021	0.02	0.800	0.817
	WCDMA IV_Ant 0	RMC 12.2Kbps	Bottom Edge	10mm	4	1513	1752.6	19.54	19.70	1.038	0.09	0.802	0.832
	WCDMA V_Ant 0	RMC 12.2Kbps	Front	10mm	4	4182	836.4	24.49	25.50	1.262	-0.04	0.416	0.525
42	WCDMA V_Ant 0	RMC 12.2Kbps	Back	10mm	4	4182	836.4	24.49	25.50	1.262	-0.03	0.603	0.761
	WCDMA V_Ant 0	RMC 12.2Kbps	Left Edge	10mm	4	4182	836.4	24.49	25.50	1.262	-0.01	0.318	0.401
	WCDMA V_Ant 0	RMC 12.2Kbps	Right Edge	10mm	4	4182	836.4	24.49	25.50	1.262	0.08	0.140	0.177
	WCDMA V_Ant 0	RMC 12.2Kbps	Bottom Edge	10mm	4	4182	836.4	24.49	25.50	1.262	0.01	0.137	0.173
	WCDMA V_Ant 1	RMC 12.2Kbps	Front	10mm	4	4182	836.4	24.45	25.50	1.274	-0.01	0.173	0.220
	WCDMA V_Ant 1	RMC 12.2Kbps	Back	10mm	4	4182	836.4	24.45	25.50	1.274	-0.02	0.292	0.372
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Edge	10mm	4	4182	836.4	24.45	25.50	1.274	-0.04	0.165	0.210
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Edge	10mm	4	4182	836.4	24.45	25.50	1.274	0.01	0.133	0.169
	WCDMA V_Ant 1	RMC 12.2Kbps	Top Edge	10mm	4	4182	836.4	24.45	25.50	1.274	0.01	0.132	0.168



<LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 7_Ant 2	20M	QPSK	1	0	Front	10mm	4	21100	2535	20.16	20.90	1.186			0.01	0.252	0.299
	LTE Band 7_Ant 2	20M	QPSK	50	0	Front	10mm	4	21100	2535	20.15	20.90	1.189			0.08	0.245	0.291
	LTE Band 7_Ant 2	20M	QPSK	1	0	Back	10mm	4	21100	2535	20.16	20.90	1.186			0.01	0.329	0.390
	LTE Band 7_Ant 2	20M	QPSK	50	0	Back	10mm	4	21100	2535	20.15	20.90	1.189			0.01	0.327	0.389
	LTE Band 7_Ant 2	20M	QPSK	1	0	Left Edge	10mm	4	21100	2535	20.16	20.90	1.186			0.08	0.001	0.001
	LTE Band 7_Ant 2	20M	QPSK	50	0	Left Edge	10mm	4	21100	2535	20.15	20.90	1.189			0.01	0.001	0.001
	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Edge	10mm	4	21100	2535	20.16	20.90	1.186			0.01	0.445	0.528
	LTE Band 7_Ant 2	20M	QPSK	50	0	Right Edge	10mm	4	21100	2535	20.15	20.90	1.189			0.03	0.432	0.513
	LTE Band 7_Ant 2	20M	QPSK	1	0	Bottom Edge	10mm	4	21100	2535	20.16	20.90	1.186			-0.08	0.080	0.095
	LTE Band 7_Ant 2	20M	QPSK	50	0	Bottom Edge	10mm	4	21100	2535	20.15	20.90	1.189			-0.08	0.091	0.108
	CA_7C_Ant 2	20M	QPSK	1	0	Right Edge	10mm	4	21100	2535	19.98	20.90	1.236			0.06	0.425	0.525
	LTE Band 7_Ant 0	20M	QPSK	1	0	Front	10mm	4	21100	2535	18.00	19.80	1.514			-0.07	0.261	0.395
	LTE Band 7_Ant 0	20M	QPSK	50	0	Front	10mm	4	21100	2535	18.00	19.80	1.514			0.08	0.252	0.381
	LTE Band 7_Ant 0	20M	QPSK	1	0	Back	10mm	4	21100	2535	18.00	19.80	1.514			-0.05	0.385	0.583
	LTE Band 7_Ant 0	20M	QPSK	50	0	Back	10mm	4	21100	2535	18.00	19.80	1.514			0.03	0.377	0.571
	LTE Band 7_Ant 0	20M	QPSK	1	0	Left Edge	10mm	4	21100	2535	18.00	19.80	1.514			-0.05	0.041	0.062
	LTE Band 7_Ant 0	20M	QPSK	50	0	Left Edge	10mm	4	21100	2535	18.00	19.80	1.514			-0.08	0.040	0.061
	LTE Band 7_Ant 0	20M	QPSK	1	0	Right Edge	10mm	4	21100	2535	18.00	19.80	1.514			0.1	0.036	0.054
	LTE Band 7_Ant 0	20M	QPSK	50	0	Right Edge	10mm	4	21100	2535	18.00	19.80	1.514			-0.18	0.033	0.050
	LTE Band 7_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	21100	2535	18.00	19.80	1.514			0.1	0.529	0.801
	LTE Band 7_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	20850	2510	17.94	19.80	1.535			0.12	0.472	0.724
43	LTE Band 7_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	21350	2560	17.92	19.80	1.542			-0.01	0.532	0.820
	LTE Band 7_Ant 0	20M	QPSK	50	0	Bottom Edge	10mm	4	21100	2535	18.00	19.80	1.514			0.08	0.503	0.761
	LTE Band 7_Ant 0	20M	QPSK	100	0	Bottom Edge	10mm	4	21350	2560	17.99	19.80	1.517			0.14	0.500	0.759
	CA_7C_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	21350	2560	18.05	19.80	1.496			0.08	0.544	0.814
	CA_7C_Ant 0	20M	QPSK	1	99	Bottom Edge	10mm	4	20850	2510	17.86	19.80	1.563			-0.01	0.463	0.724
	CA_7C_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	21100	2535	17.95	19.80	1.531			0.06	0.521	0.798
	LTE Band 12_Ant 0	10M	QPSK	1	0	Front	10mm	4	23095	707.5	24.36	25.00	1.159			0.01	0.356	0.413
	LTE Band 12_Ant 0	10M	QPSK	25	0	Front	10mm	4	23095	707.5	23.38	24.00	1.153			0.02	0.310	0.358
	LTE Band 12_Ant 0	10M	QPSK	1	0	Back	10mm	4	23095	707.5	24.36	25.00	1.159			0.01	0.274	0.318
	LTE Band 12_Ant 0	10M	QPSK	25	0	Back	10mm	4	23095	707.5	23.38	24.00	1.153			0.06	0.217	0.250
44	LTE Band 12_Ant 0	10M	QPSK	1	0	Left Edge	10mm	4	23095	707.5	24.36	25.00	1.159			-0.11	0.379	0.439
	LTE Band 12_Ant 0	10M	QPSK	25	0	Left Edge	10mm	4	23095	707.5	23.38	24.00	1.153			-0.13	0.293	0.338
	LTE Band 12_Ant 0	10M	QPSK	1	0	Right Edge	10mm	4	23095	707.5	24.36	25.00	1.159			0.06	0.172	0.199
	LTE Band 12_Ant 0	10M	QPSK	25	0	Right Edge	10mm	4	23095	707.5	23.38	24.00	1.153			-0.05	0.115	0.133
	LTE Band 12_Ant 0	10M	QPSK	1	0	Bottom Edge	10mm	4	23095	707.5	24.36	25.00	1.159			0.04	0.160	0.185
	LTE Band 12_Ant 0	10M	QPSK	25	0	Bottom Edge	10mm	4	23095	707.5	23.38	24.00	1.153			0.02	0.136	0.157
	LTE Band 12_Ant 1	10M	QPSK	1	0	Front	10mm	4	23095	707.5	24.05	25.00	1.245			-0.01	0.172	0.214
	LTE Band 12_Ant 1	10M	QPSK	25	0	Front	10mm	4	23095	707.5	23.03	24.00	1.250			0.03	0.142	0.178
	LTE Band 12_Ant 1	10M	QPSK	1	0	Back	10mm	4	23095	707.5	24.05	25.00	1.245			0	0.219	0.273
	LTE Band 12_Ant 1	10M	QPSK	25	0	Back	10mm	4	23095	707.5	23.03	24.00	1.250			-0.08	0.179	0.224
	LTE Band 12_Ant 1	10M	QPSK	1	0	Left Edge	10mm	4	23095	707.5	24.05	25.00	1.245			-0.04	0.239	0.297
	LTE Band 12_Ant 1	10M	QPSK	25	0	Left Edge	10mm	4	23095	707.5	23.03	24.00	1.250			-0.08	0.188	0.235
	LTE Band 12_Ant 1	10M	QPSK	1	0	Right Edge	10mm	4	23095	707.5	24.05	25.00	1.245			0.08	0.146	0.182
	LTE Band 12_Ant 1	10M	QPSK	25	0	Right Edge	10mm	4	23095	707.5	23.03	24.00	1.250			0.1	0.117	0.146
	LTE Band 12_Ant 1	10M	QPSK	1	0	Top Edge	10mm	4	23095	707.5	24.05	25.00	1.245			0.01	0.070	0.087
	LTE Band 12_Ant 1	10M	QPSK	25	0	Top Edge	10mm	4	23095	707.5	23.03	24.00	1.250			-0.18	0.061	0.076
	LTE Band 13_Ant 0	10M	QPSK	1	0	Front	10mm	4	23230	782	22.74	23.60	1.219			0.01	0.236	0.288
	LTE Band 13_Ant 0	10M	QPSK	25	0	Front	10mm	4	23230	782	22.63	23.60	1.250			-0.05	0.229	0.286
	LTE Band 13_Ant 0	10M	QPSK	1	0	Back	10mm	4	23230	782	22.74	23.60	1.219			0.02	0.231	0.282
	LTE Band 13_Ant 0	10M	QPSK	25	0	Back	10mm	4	23230	782	22.63	23.60	1.250			0.06	0.225	0.281



FCC SAR TEST REPORT

Report No. : FA4N0919C

45	LTE Band 13_Ant 0	10M	QPSK	1	0	Left Edge	10mm	4	23230	782	22.74	23.60	1.219			-0.03	0.411	0.501
	LTE Band 13_Ant 0	10M	QPSK	25	0	Left Edge	10mm	4	23230	782	22.63	23.60	1.250			0.02	0.342	0.428
	LTE Band 13_Ant 0	10M	QPSK	1	0	Right Edge	10mm	4	23230	782	22.74	23.60	1.219			0	0.204	0.249
	LTE Band 13_Ant 0	10M	QPSK	25	0	Right Edge	10mm	4	23230	782	22.63	23.60	1.250			0.08	0.131	0.164
	LTE Band 13_Ant 0	10M	QPSK	1	0	Bottom Edge	10mm	4	23230	782	22.74	23.60	1.219			-0.01	0.207	0.252
	LTE Band 13_Ant 0	10M	QPSK	25	0	Bottom Edge	10mm	4	23230	782	22.63	23.60	1.250			0.06	0.207	0.259
	LTE Band 13_Ant 1	10M	QPSK	1	0	Front	10mm	4	23230	782	22.61	23.70	1.285			0	0.171	0.220
	LTE Band 13_Ant 1	10M	QPSK	25	0	Front	10mm	4	23230	782	22.61	23.70	1.285			0.06	0.164	0.211
	LTE Band 13_Ant 1	10M	QPSK	1	0	Back	10mm	4	23230	782	22.61	23.70	1.285			0.06	0.161	0.207
	LTE Band 13_Ant 1	10M	QPSK	25	0	Back	10mm	4	23230	782	22.61	23.70	1.285			0.08	0.160	0.206
	LTE Band 13_Ant 1	10M	QPSK	1	0	Left Edge	10mm	4	23230	782	22.61	23.70	1.285			-0.01	0.347	0.446
	LTE Band 13_Ant 1	10M	QPSK	25	0	Left Edge	10mm	4	23230	782	22.61	23.70	1.285			0.01	0.344	0.442
	LTE Band 13_Ant 1	10M	QPSK	1	0	Right Edge	10mm	4	23230	782	22.61	23.70	1.285			0	0.177	0.227
	LTE Band 13_Ant 1	10M	QPSK	25	0	Right Edge	10mm	4	23230	782	22.61	23.70	1.285			0.05	0.175	0.225
	LTE Band 13_Ant 1	10M	QPSK	1	0	Top Edge	10mm	4	23230	782	22.61	23.70	1.285			0.01	0.152	0.195
	LTE Band 13_Ant 1	10M	QPSK	25	0	Top Edge	10mm	4	23230	782	22.61	23.70	1.285			0	0.150	0.193
	LTE Band 14_Ant 0	10M	QPSK	1	0	Front	10mm	4	23330	793	22.60	23.50	1.230			0.01	0.182	0.224
	LTE Band 14_Ant 0	10M	QPSK	25	0	Front	10mm	4	23330	793	22.54	23.50	1.247			0.02	0.170	0.212
	LTE Band 14_Ant 0	10M	QPSK	1	0	Back	10mm	4	23330	793	22.60	23.50	1.230			0	0.233	0.287
	LTE Band 14_Ant 0	10M	QPSK	25	0	Back	10mm	4	23330	793	22.54	23.50	1.247			0.06	0.228	0.284
46	LTE Band 14_Ant 0	10M	QPSK	1	0	Left Edge	10mm	4	23330	793	22.60	23.50	1.230			0.02	0.383	0.471
	LTE Band 14_Ant 0	10M	QPSK	25	0	Left Edge	10mm	4	23330	793	22.54	23.50	1.247			0.08	0.371	0.463
	LTE Band 14_Ant 0	10M	QPSK	1	0	Right Edge	10mm	4	23330	793	22.60	23.50	1.230			-0.01	0.211	0.260
	LTE Band 14_Ant 0	10M	QPSK	25	0	Right Edge	10mm	4	23330	793	22.54	23.50	1.247			0.04	0.201	0.251
	LTE Band 14_Ant 0	10M	QPSK	1	0	Bottom Edge	10mm	4	23330	793	22.60	23.50	1.230			0.07	0.242	0.298
	LTE Band 14_Ant 0	10M	QPSK	25	0	Bottom Edge	10mm	4	23330	793	22.54	23.50	1.247			0.09	0.264	0.329
	LTE Band 14_Ant 1	10M	QPSK	1	0	Front	10mm	4	23330	793	22.73	23.90	1.309			0.05	0.167	0.219
	LTE Band 14_Ant 1	10M	QPSK	25	0	Front	10mm	4	23330	793	22.73	23.90	1.309			0.09	0.140	0.183
	LTE Band 14_Ant 1	10M	QPSK	1	0	Back	10mm	4	23330	793	22.73	23.90	1.309			0.08	0.144	0.189
	LTE Band 14_Ant 1	10M	QPSK	25	0	Back	10mm	4	23330	793	22.73	23.90	1.309			0.08	0.122	0.160
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Edge	10mm	4	23330	793	22.73	23.90	1.309			-0.02	0.329	0.431
	LTE Band 14_Ant 1	10M	QPSK	25	0	Left Edge	10mm	4	23330	793	22.73	23.90	1.309			0.01	0.259	0.339
	LTE Band 14_Ant 1	10M	QPSK	1	0	Right Edge	10mm	4	23330	793	22.73	23.90	1.309			0.08	0.134	0.175
	LTE Band 14_Ant 1	10M	QPSK	25	0	Right Edge	10mm	4	23330	793	22.73	23.90	1.309			-0.07	0.133	0.174
	LTE Band 14_Ant 1	10M	QPSK	1	0	Top Edge	10mm	4	23330	793	22.73	23.90	1.309			0.02	0.100	0.131
	LTE Band 14_Ant 1	10M	QPSK	25	0	Top Edge	10mm	4	23330	793	22.73	23.90	1.309			0.02	0.117	0.153
	LTE Band 25_Ant 2	20M	QPSK	1	0	Front	10mm	4	26340	1880	20.11	21.10	1.256			-0.03	0.200	0.251
	LTE Band 25_Ant 2	20M	QPSK	50	0	Front	10mm	4	26340	1880	20.06	21.10	1.271			0.01	0.195	0.248
	LTE Band 25_Ant 2	20M	QPSK	1	0	Back	10mm	4	26340	1880	20.11	21.10	1.256			0.02	0.269	0.338
	LTE Band 25_Ant 2	20M	QPSK	50	0	Back	10mm	4	26340	1880	20.06	21.10	1.271			0.17	0.260	0.330
	LTE Band 25_Ant 2	20M	QPSK	1	0	Left Edge	10mm	4	26340	1880	20.11	21.10	1.256			0.1	0.072	0.090
	LTE Band 25_Ant 2	20M	QPSK	50	0	Left Edge	10mm	4	26340	1880	20.06	21.10	1.271			0.16	0.064	0.081
	LTE Band 25_Ant 2	20M	QPSK	1	0	Right Edge	10mm	4	26340	1880	20.11	21.10	1.256			0.02	0.387	0.486
	LTE Band 25_Ant 2	20M	QPSK	50	0	Right Edge	10mm	4	26340	1880	20.06	21.10	1.271			0.19	0.369	0.469
	LTE Band 25_Ant 2	20M	QPSK	1	0	Bottom Edge	10mm	4	26340	1880	20.11	21.10	1.256			0.1	0.111	0.139
	LTE Band 25_Ant 2	20M	QPSK	50	0	Bottom Edge	10mm	4	26340	1880	20.06	21.10	1.271			0.09	0.113	0.144
	LTE Band 25_Ant 0	20M	QPSK	1	0	Front	10mm	4	26340	1880	16.02	17.60	1.439			0.02	0.289	0.416
	LTE Band 25_Ant 0	20M	QPSK	50	0	Front	10mm	4	26340	1880	16.00	17.60	1.445			-0.08	0.285	0.412
	LTE Band 25_Ant 0	20M	QPSK	1	0	Back	10mm	4	26340	1880	16.02	17.60	1.439			0.03	0.355	0.511
	LTE Band 25_Ant 0	20M	QPSK	50	0	Back	10mm	4	26340	1880	16.00	17.60	1.445			0.14	0.351	0.507
	LTE Band 25_Ant 0	20M	QPSK	1	0	Left Edge	10mm	4	26340	1880	16.02	17.60	1.439			-0.03	0.065	0.094
	LTE Band 25_Ant 0	20M	QPSK	50	0	Left Edge	10mm	4	26340	1880	16.00	17.60	1.445			-0.08	0.064	0.093
	LTE Band 25_Ant 0	20M	QPSK	1	0	Right Edge	10mm	4	26340	1880	16.02	17.60	1.439			0.01	0.001	0.001
	LTE Band 25_Ant 0	20M	QPSK	50	0	Right Edge	10mm	4	26340	1880	16.00	17.60	1.445			0.03	0.001	0.001
47	LTE Band 25_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	26340	1880	16.02	17.60	1.439			-0.01	0.505	0.727



FCC SAR TEST REPORT

Report No. : FA4N0919C

	LTE Band 25_Ant 0	20M	QPSK	50	0	Bottom Edge	10mm	4	26340	1880	16.00	17.60	1.445			0.08	0.491	0.710
	LTE Band 25_Ant 1	20M	QPSK	1	0	Front	10mm	4	26340	1880	20.62	21.30	1.169			0.02	0.169	0.198
	LTE Band 25_Ant 1	20M	QPSK	50	0	Front	10mm	4	26340	1880	20.59	21.30	1.178			-0.09	0.163	0.192
	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	10mm	4	26340	1880	20.62	21.30	1.169			0.05	0.200	0.234
	LTE Band 25_Ant 1	20M	QPSK	50	0	Back	10mm	4	26340	1880	20.59	21.30	1.178			0.1	0.205	0.241
	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Edge	10mm	4	26340	1880	20.62	21.30	1.169			0.09	0.285	0.333
	LTE Band 25_Ant 1	20M	QPSK	50	0	Left Edge	10mm	4	26340	1880	20.59	21.30	1.178			0	0.326	0.384
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Edge	10mm	4	26340	1880	20.62	21.30	1.169			0.08	0.017	0.020
	LTE Band 25_Ant 1	20M	QPSK	50	0	Right Edge	10mm	4	26340	1880	20.59	21.30	1.178			0.04	0.001	0.001
	LTE Band 25_Ant 1	20M	QPSK	1	0	Top Edge	10mm	4	26340	1880	20.62	21.30	1.169			0.02	0.164	0.192
	LTE Band 25_Ant 1	20M	QPSK	50	0	Top Edge	10mm	4	26340	1880	20.59	21.30	1.178			0.01	0.173	0.204
	LTE Band 25_Ant 5	20M	QPSK	1	0	Front	10mm	4	26340	1880	21.58	22.50	1.236			0.01	0.274	0.339
	LTE Band 25_Ant 5	20M	QPSK	50	0	Front	10mm	4	26340	1880	21.50	22.50	1.259			0.01	0.277	0.349
	LTE Band 25_Ant 5	20M	QPSK	1	0	Back	10mm	4	26340	1880	21.58	22.50	1.236			0.01	0.349	0.431
	LTE Band 25_Ant 5	20M	QPSK	50	0	Back	10mm	4	26340	1880	21.50	22.50	1.259			0	0.352	0.443
	LTE Band 25_Ant 5	20M	QPSK	1	0	Left Edge	10mm	4	26340	1880	21.58	22.50	1.236			0	0.001	0.001
	LTE Band 25_Ant 5	20M	QPSK	50	0	Left Edge	10mm	4	26340	1880	21.50	22.50	1.259			0	0.001	0.001
	LTE Band 25_Ant 5	20M	QPSK	1	0	Right Edge	10mm	4	26340	1880	21.58	22.50	1.236			0.01	0.529	0.654
	LTE Band 25_Ant 5	20M	QPSK	50	0	Right Edge	10mm	4	26340	1880	21.50	22.50	1.259			0.02	0.538	0.677
	LTE Band 25_Ant 5	20M	QPSK	1	0	Top Edge	10mm	4	26340	1880	21.58	22.50	1.236			0.02	0.101	0.125
	LTE Band 25_Ant 5	20M	QPSK	50	0	Top Edge	10mm	4	26340	1880	21.50	22.50	1.259			0.05	0.106	0.133
	LTE Band 26_Ant 0	15M	QPSK	1	0	Front	10mm	4	26865	831.5	24.03	24.50	1.114			-0.01	0.328	0.365
	LTE Band 26_Ant 0	15M	QPSK	36	0	Front	10mm	4	26865	831.5	23.04	24.00	1.247			-0.06	0.285	0.356
48	LTE Band 26_Ant 0	15M	QPSK	1	0	Back	10mm	4	26865	831.5	24.03	24.50	1.114			0.01	0.485	0.540
	LTE Band 26_Ant 0	15M	QPSK	36	0	Back	10mm	4	26865	831.5	23.04	24.00	1.247			0.14	0.375	0.468
	LTE Band 26_Ant 0	15M	QPSK	1	0	Left Edge	10mm	4	26865	831.5	24.03	24.50	1.114			0.01	0.458	0.510
	LTE Band 26_Ant 0	15M	QPSK	36	0	Left Edge	10mm	4	26865	831.5	23.04	24.00	1.247			0.08	0.276	0.344
	LTE Band 26_Ant 0	15M	QPSK	1	0	Right Edge	10mm	4	26865	831.5	24.03	24.50	1.114			-0.02	0.141	0.157
	LTE Band 26_Ant 0	15M	QPSK	36	0	Right Edge	10mm	4	26865	831.5	23.04	24.00	1.247			0.01	0.111	0.138
	LTE Band 26_Ant 0	15M	QPSK	1	0	Bottom Edge	10mm	4	26865	831.5	24.03	24.50	1.114			0	0.391	0.436
	LTE Band 26_Ant 0	15M	QPSK	36	0	Bottom Edge	10mm	4	26865	831.5	23.04	24.00	1.247			0.02	0.237	0.296
	CA_5B_Ant 0	10M	QPSK	1	0	Back	10mm	4	20574	841.4	22.73	24.00	1.340			0.08	0.359	0.481
	LTE Band 26_Ant 1	15M	QPSK	1	0	Front	10mm	4	26865	831.5	23.73	25.00	1.340			0.03	0.152	0.204
	LTE Band 26_Ant 1	15M	QPSK	36	0	Front	10mm	4	26865	831.5	22.71	24.00	1.346			-0.11	0.129	0.174
	LTE Band 26_Ant 1	15M	QPSK	1	0	Back	10mm	4	26865	831.5	23.73	25.00	1.340			0.01	0.203	0.272
	LTE Band 26_Ant 1	15M	QPSK	36	0	Back	10mm	4	26865	831.5	22.71	24.00	1.346			0.03	0.147	0.198
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Edge	10mm	4	26865	831.5	23.73	25.00	1.340			-0.01	0.239	0.320
	LTE Band 26_Ant 1	15M	QPSK	36	0	Left Edge	10mm	4	26865	831.5	22.71	24.00	1.346			-0.16	0.191	0.257
	LTE Band 26_Ant 1	15M	QPSK	1	0	Right Edge	10mm	4	26865	831.5	23.73	25.00	1.340			-0.02	0.118	0.158
	LTE Band 26_Ant 1	15M	QPSK	36	0	Right Edge	10mm	4	26865	831.5	22.71	24.00	1.346			0.15	0.097	0.131
	LTE Band 26_Ant 1	15M	QPSK	1	0	Top Edge	10mm	4	26865	831.5	23.73	25.00	1.340			-0.09	0.162	0.217
	LTE Band 26_Ant 1	15M	QPSK	36	0	Top Edge	10mm	4	26865	831.5	22.71	24.00	1.346			0.11	0.114	0.153
	CA_5B_Ant 1	10M	QPSK	1	0	Left Edge	10mm	4	20574	841.4	22.39	24.00	1.449			-0.01	0.176	0.255
	LTE Band 30_Ant 2	10M	QPSK	1	0	Front	10mm	4	27710	2310	19.58	20.50	1.236			-0.01	0.272	0.336
	LTE Band 30_Ant 2	10M	QPSK	25	0	Front	10mm	4	27710	2310	19.52	20.50	1.253			0.05	0.265	0.332
	LTE Band 30_Ant 2	10M	QPSK	1	0	Back	10mm	4	27710	2310	19.58	20.50	1.236			-0.06	0.303	0.374
	LTE Band 30_Ant 2	10M	QPSK	25	0	Back	10mm	4	27710	2310	19.52	20.50	1.253			0.16	0.298	0.373
	LTE Band 30_Ant 2	10M	QPSK	1	0	Left Edge	10mm	4	27710	2310	19.58	20.50	1.236			0	0.001	0.001
	LTE Band 30_Ant 2	10M	QPSK	25	0	Left Edge	10mm	4	27710	2310	19.52	20.50	1.253			0.06	0.001	0.001
	LTE Band 30_Ant 2	10M	QPSK	1	0	Right Edge	10mm	4	27710	2310	19.58	20.50	1.236			-0.16	0.456	0.564
	LTE Band 30_Ant 2	10M	QPSK	25	0	Right Edge	10mm	4	27710	2310	19.52	20.50	1.253			0.07	0.424	0.531
	LTE Band 30_Ant 2	10M	QPSK	1	0	Bottom Edge	10mm	4	27710	2310	19.58	20.50	1.236			-0.18	0.064	0.079
	LTE Band 30_Ant 2	10M	QPSK	25	0	Bottom Edge	10mm	4	27710	2310	19.52	20.50	1.253			0.01	0.065	0.081
	LTE Band 30_Ant 0	10M	QPSK	1	0	Front	10mm	4	27710	2310	19.38	19.60	1.052			-0.12	0.416	0.438
	LTE Band 30_Ant 0	10M	QPSK	25	0	Front	10mm	4	27710	2310	19.26	19.60	1.081			0.11	0.389	0.421



FCC SAR TEST REPORT

Report No. : FA4N0919C

	LTE Band 30_Ant 0	10M	QPSK	1	0	Back	10mm	4	27710	2310	19.38	19.60	1.052			-0.14	0.498	0.524
	LTE Band 30_Ant 0	10M	QPSK	25	0	Back	10mm	4	27710	2310	19.26	19.60	1.081			0.02	0.483	0.522
	LTE Band 30_Ant 0	10M	QPSK	1	0	Left Edge	10mm	4	27710	2310	19.38	19.60	1.052			-0.11	0.094	0.099
	LTE Band 30_Ant 0	10M	QPSK	25	0	Left Edge	10mm	4	27710	2310	19.26	19.60	1.081			-0.05	0.091	0.098
	LTE Band 30_Ant 0	10M	QPSK	1	0	Right Edge	10mm	4	27710	2310	19.38	19.60	1.052			0.13	0.050	0.053
	LTE Band 30_Ant 0	10M	QPSK	25	0	Right Edge	10mm	4	27710	2310	19.26	19.60	1.081			0.08	0.048	0.052
49	LTE Band 30_Ant 0	10M	QPSK	1	0	Bottom Edge	10mm	4	27710	2310	19.38	19.60	1.052			-0.03	0.796	0.837
	LTE Band 30_Ant 0	10M	QPSK	25	0	Bottom Edge	10mm	4	27710	2310	19.26	19.60	1.081			0.1	0.725	0.784
	LTE Band 30_Ant 0	10M	QPSK	50	0	Bottom Edge	10mm	4	27710	2310	19.22	19.60	1.091			-0.05	0.716	0.781
	LTE Band 38_Ant 2	20M	QPSK	1	0	Front	10mm	4	38000	2595	21.60	22.00	1.096	62.9	1.006	0.04	0.329	0.363
	LTE Band 38_Ant 2	20M	QPSK	50	0	Front	10mm	4	38000	2595	21.59	22.00	1.099	62.9	1.006	0.02	0.321	0.355
	LTE Band 38_Ant 2	20M	QPSK	1	0	Back	10mm	4	38000	2595	21.60	22.00	1.096	62.9	1.006	-0.02	0.329	0.363
	LTE Band 38_Ant 2	20M	QPSK	50	0	Back	10mm	4	38000	2595	21.59	22.00	1.099	62.9	1.006	0.01	0.322	0.356
	LTE Band 38_Ant 2	20M	QPSK	1	0	Left Edge	10mm	4	38000	2595	21.60	22.00	1.096	62.9	1.006	0	0.001	0.001
	LTE Band 38_Ant 2	20M	QPSK	50	0	Left Edge	10mm	4	38000	2595	21.59	22.00	1.099	62.9	1.006	0	0.001	0.001
50	LTE Band 38_Ant 2	20M	QPSK	1	0	Right Edge	10mm	4	38000	2595	21.60	22.00	1.096	62.9	1.006	-0.03	0.488	0.538
	LTE Band 38_Ant 2	20M	QPSK	50	0	Right Edge	10mm	4	38000	2595	21.59	22.00	1.099	62.9	1.006	0.09	0.450	0.498
	LTE Band 38_Ant 2	20M	QPSK	1	0	Bottom Edge	10mm	4	38000	2595	21.60	22.00	1.096	62.9	1.006	-0.02	0.154	0.170
	LTE Band 38_Ant 2	20M	QPSK	50	0	Bottom Edge	10mm	4	38000	2595	21.59	22.00	1.099	62.9	1.006	0.01	0.150	0.166
	LTE Band 38_HPUE_Ant 2	20M	QPSK	1	0	Right Edge	10mm	4	38000	2595	23.02	23.50	1.117	42.9	1.009	0.09	0.453	0.510
	CA_38C_Ant 2	20M	QPSK	1	0	Right Edge	10mm	4	38000	2595	21.70	22.00	1.072	62.9	1.006	0.08	0.487	0.525
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	4	40620	2593	21.62	22.00	1.091	62.9	1.006	0.03	0.321	0.352
	LTE Band 41_Ant 2	20M	QPSK	50	0	Front	10mm	4	40620	2593	21.56	22.00	1.107	62.9	1.006	0.08	0.312	0.347
	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	4	40620	2593	21.62	22.00	1.091	62.9	1.006	0.01	0.357	0.392
	LTE Band 41_Ant 2	20M	QPSK	50	0	Back	10mm	4	40620	2593	21.56	22.00	1.107	62.9	1.006	-0.01	0.353	0.393
	LTE Band 41_Ant 2	20M	QPSK	1	0	Left Edge	10mm	4	40620	2593	21.62	22.00	1.091	62.9	1.006	0.03	0.001	0.001
	LTE Band 41_Ant 2	20M	QPSK	50	0	Left Edge	10mm	4	40620	2593	21.56	22.00	1.107	62.9	1.006	-0.08	0.001	0.001
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Edge	10mm	4	40620	2593	21.62	22.00	1.091	62.9	1.006	-0.01	0.481	0.528
	LTE Band 41_Ant 2	20M	QPSK	50	0	Right Edge	10mm	4	40620	2593	21.56	22.00	1.107	62.9	1.006	0.08	0.442	0.492
	LTE Band 41_Ant 2	20M	QPSK	1	0	Bottom Edge	10mm	4	40620	2593	21.62	22.00	1.091	62.9	1.006	-0.17	0.146	0.160
	LTE Band 41_Ant 2	20M	QPSK	50	0	Bottom Edge	10mm	4	40620	2593	21.56	22.00	1.107	62.9	1.006	-0.03	0.142	0.158
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Edge	10mm	4	40620	2593	23.06	23.50	1.107	42.9	1.009	0.14	0.443	0.495
	CA_41C_Ant 2	20M	QPSK	1	0	Right Edge	10mm	4	40620	2593	21.71	22.00	1.069	62.9	1.006	0.09	0.470	0.505
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	4	40620	2593	21.58	21.80	1.052	62.9	1.006	-0.03	0.360	0.381
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	4	40620	2593	21.44	21.80	1.086	62.9	1.006	-0.17	0.347	0.379
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	4	40620	2593	21.58	21.80	1.052	62.9	1.006	0.04	0.464	0.491
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	4	40620	2593	21.44	21.80	1.086	62.9	1.006	-0.08	0.470	0.514
	LTE Band 41_Ant 0	20M	QPSK	1	0	Left Edge	10mm	4	40620	2593	21.58	21.80	1.052	62.9	1.006	0.08	0.059	0.062
	LTE Band 41_Ant 0	20M	QPSK	50	0	Left Edge	10mm	4	40620	2593	21.44	21.80	1.086	62.9	1.006	0.01	0.058	0.063
	LTE Band 41_Ant 0	20M	QPSK	1	0	Right Edge	10mm	4	40620	2593	21.58	21.80	1.052	62.9	1.006	0.07	0.093	0.098
	LTE Band 41_Ant 0	20M	QPSK	50	0	Right Edge	10mm	4	40620	2593	21.44	21.80	1.086	62.9	1.006	-0.08	0.089	0.097
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	40620	2593	21.58	21.80	1.052	62.9	1.006	-0.08	0.727	0.769
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	39750	2506	21.49	21.80	1.074	62.9	1.006	0.1	0.687	0.742
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	40185	2549.5	21.49	21.80	1.074	62.9	1.006	0.1	0.706	0.763
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	41055	2636.5	21.54	21.80	1.062	62.9	1.006	0.12	0.653	0.697
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	41490	2680	21.44	21.80	1.086	62.9	1.006	0.08	0.627	0.685
51	LTE Band 41_Ant 0	20M	QPSK	50	0	Bottom Edge	10mm	4	40620	2593	21.44	21.80	1.086	62.9	1.006	-0.02	0.748	0.818
	LTE Band 41_Ant 0	20M	QPSK	50	0	Bottom Edge	10mm	4	39750	2506	21.34	21.80	1.112	62.9	1.006	-0.17	0.694	0.776
	LTE Band 41_Ant 0	20M	QPSK	50	0	Bottom Edge	10mm	4	40185	2549.5	21.35	21.80	1.109	62.9	1.006	0.14	0.696	0.777
	LTE Band 41_Ant 0	20M	QPSK	50	0	Bottom Edge	10mm	4	41055	2636.5	21.40	21.80	1.096	62.9	1.006	0.11	0.654	0.721
	LTE Band 41_Ant 0	20M	QPSK	50	0	Bottom Edge	10mm	4	41490	2680	21.25	21.80	1.135	62.9	1.006	-0.05	0.627	0.716
	LTE Band 41_Ant 0	20M	QPSK	100	0	Bottom Edge	10mm	4	40620	2593	21.41	21.80	1.094	62.9	1.006	0.18	0.706	0.777
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	40620	2593	22.90	23.10	1.047	42.9	1.009	0.14	0.692	0.731
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	39750	2506	22.79	23.10	1.074	42.9	1.009	-0.17	0.635	0.688
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	40185	2549.5	22.80	23.10	1.072	42.9	1.009	-0.05	0.664	0.718
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	41055	2636.5	22.82	23.10	1.067	42.9	1.009	0.01	0.588	0.633



FCC SAR TEST REPORT

Report No. : FA4N0919C

	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	41490	2680	22.82	23.10	1.067	42.9	1.009	0.1	0.575	0.619
	CA_41C_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	40620	2593	21.59	21.80	1.050	62.9	1.006	-0.02	0.732	0.773
	CA_41C_Ant 0	20M	QPSK	1	99	Bottom Edge	10mm	4	39750	2506	21.38	21.80	1.102	62.9	1.006	-0.17	0.688	0.762
	CA_41C_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	40185	2549.5	21.46	21.80	1.081	62.9	1.006	0.14	0.676	0.735
	CA_41C_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	41055	2636.5	21.55	21.80	1.059	62.9	1.006	0.11	0.646	0.688
	CA_41C_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	41490	2680	21.49	21.80	1.074	62.9	1.006	-0.05	0.621	0.671
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	4	55830	3609	19.72	21.00	1.343	62.9	1.006	-0.12	0.172	0.232
	LTE Band 48_Ant 6	20M	QPSK	50	0	Front	10mm	4	55830	3609	19.71	21.00	1.346	62.9	1.006	0.07	0.168	0.227
	LTE Band 48_Ant 6	20M	QPSK	1	0	Back	10mm	4	55830	3609	19.72	21.00	1.343	62.9	1.006	0.03	0.232	0.313
	LTE Band 48_Ant 6	20M	QPSK	50	0	Back	10mm	4	55830	3609	19.71	21.00	1.346	62.9	1.006	-0.12	0.238	0.322
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Edge	10mm	4	55830	3609	19.72	21.00	1.343	62.9	1.006	0.01	0.389	0.525
	LTE Band 48_Ant 6	20M	QPSK	50	0	Left Edge	10mm	4	55830	3609	19.71	21.00	1.346	62.9	1.006	0.09	0.445	0.603
52	LTE Band 48_Ant 6	20M	QPSK	50	0	Left Edge	10mm	4	55340	3560	19.42	21.00	1.439	62.9	1.006	-0.02	0.421	0.609
	LTE Band 48_Ant 6	20M	QPSK	50	0	Left Edge	10mm	4	56150	3641	19.60	21.00	1.380	62.9	1.006	0.05	0.350	0.486
	LTE Band 48_Ant 6	20M	QPSK	50	0	Left Edge	10mm	4	56640	3690	19.51	21.00	1.409	62.9	1.006	0.01	0.277	0.393
	LTE Band 48_Ant 6	20M	QPSK	1	0	Right Edge	10mm	4	55830	3609	19.72	21.00	1.343	62.9	1.006	0	0.001	0.001
	LTE Band 48_Ant 6	20M	QPSK	50	0	Right Edge	10mm	4	55830	3609	19.71	21.00	1.346	62.9	1.006	0	0.001	0.001
	LTE Band 48_Ant 6	20M	QPSK	1	0	Bottom Edge	10mm	4	55830	3609	19.72	21.00	1.343	62.9	1.006	0.01	0.269	0.363
	LTE Band 48_Ant 6	20M	QPSK	50	0	Bottom Edge	10mm	4	55830	3609	19.71	21.00	1.346	62.9	1.006	0.02	0.274	0.371
	LTE Band 48_Ant 7	20M	QPSK	1	0	Front	10mm	4	55830	3609	20.51	21.30	1.199	62.9	1.006	0.01	0.150	0.181
	LTE Band 48_Ant 7	20M	QPSK	50	0	Front	10mm	4	55830	3609	20.50	21.30	1.202	62.9	1.006	-0.01	0.196	0.237
	LTE Band 48_Ant 7	20M	QPSK	1	0	Back	10mm	4	55830	3609	20.51	21.30	1.199	62.9	1.006	-0.03	0.218	0.263
	LTE Band 48_Ant 7	20M	QPSK	50	0	Back	10mm	4	55830	3609	20.50	21.30	1.202	62.9	1.006	0.1	0.179	0.216
	LTE Band 48_Ant 7	20M	QPSK	1	0	Left Edge	10mm	4	55830	3609	20.51	21.30	1.199	62.9	1.006	-0.16	0.001	0.001
	LTE Band 48_Ant 7	20M	QPSK	50	0	Left Edge	10mm	4	55830	3609	20.50	21.30	1.202	62.9	1.006	-0.09	0.001	0.001
	LTE Band 48_Ant 7	20M	QPSK	1	0	Right Edge	10mm	4	55830	3609	20.51	21.30	1.199	62.9	1.006	-0.02	0.399	0.481
	LTE Band 48_Ant 7	20M	QPSK	50	0	Right Edge	10mm	4	55830	3609	20.50	21.30	1.202	62.9	1.006	0.19	0.395	0.478
	LTE Band 48_Ant 7	20M	QPSK	1	0	Bottom Edge	10mm	4	55830	3609	20.51	21.30	1.199	62.9	1.006	-0.1	0.078	0.094
	LTE Band 48_Ant 7	20M	QPSK	50	0	Bottom Edge	10mm	4	55830	3609	20.50	21.30	1.202	62.9	1.006	-0.1	0.080	0.097
	LTE Band 66_Ant 2	20M	QPSK	1	0	Front	10mm	4	132322	1745	21.66	22.30	1.159			0	0.390	0.452
	LTE Band 66_Ant 2	20M	QPSK	50	0	Front	10mm	4	132322	1745	21.65	22.30	1.161			0.08	0.388	0.451
	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	4	132322	1745	21.66	22.30	1.159			0.01	0.434	0.503
	LTE Band 66_Ant 2	20M	QPSK	50	0	Back	10mm	4	132322	1745	21.65	22.30	1.161			0.01	0.428	0.497
	LTE Band 66_Ant 2	20M	QPSK	1	0	Left Edge	10mm	4	132322	1745	21.66	22.30	1.159			0.03	0.001	0.001
	LTE Band 66_Ant 2	20M	QPSK	50	0	Left Edge	10mm	4	132322	1745	21.65	22.30	1.161			-0.08	0.001	0.001
	LTE Band 66_Ant 2	20M	QPSK	1	0	Right Edge	10mm	4	132322	1745	21.66	22.30	1.159			0	0.511	0.592
	LTE Band 66_Ant 2	20M	QPSK	50	0	Right Edge	10mm	4	132322	1745	21.65	22.30	1.161			-0.08	0.505	0.587
	LTE Band 66_Ant 2	20M	QPSK	1	0	Bottom Edge	10mm	4	132322	1745	21.66	22.30	1.159			0.1	0.288	0.334
	LTE Band 66_Ant 2	20M	QPSK	50	0	Bottom Edge	10mm	4	132322	1745	21.65	22.30	1.161			-0.18	0.287	0.333
	CA_66C_Ant 2	20M	QPSK	1	0	Right Edge	10mm	4	132322	1745	21.88	22.30	1.102			0	0.480	0.529
	CA_66B_Ant 2	15M	QPSK	1	0	Right Edge	10mm	4	132322	1745	21.88	22.30	1.102			0.01	0.484	0.533
	LTE Band 66_Ant 0	20M	QPSK	1	0	Front	10mm	4	132322	1745	18.96	19.30	1.081			-0.19	0.393	0.425
	LTE Band 66_Ant 0	20M	QPSK	50	0	Front	10mm	4	132322	1745	18.96	19.30	1.081			0.08	0.386	0.417
	LTE Band 66_Ant 0	20M	QPSK	1	0	Back	10mm	4	132322	1745	18.96	19.30	1.081			-0.09	0.475	0.514
	LTE Band 66_Ant 0	20M	QPSK	50	0	Back	10mm	4	132322	1745	18.96	19.30	1.081			0.03	0.469	0.507
	LTE Band 66_Ant 0	20M	QPSK	1	0	Left Edge	10mm	4	132322	1745	18.96	19.30	1.081			-0.07	0.103	0.111
	LTE Band 66_Ant 0	20M	QPSK	50	0	Left Edge	10mm	4	132322	1745	18.96	19.30	1.081			0.02	0.102	0.110
	LTE Band 66_Ant 0	20M	QPSK	1	0	Right Edge	10mm	4	132322	1745	18.96	19.30	1.081			0	0.001	0.001
	LTE Band 66_Ant 0	20M	QPSK	50	0	Right Edge	10mm	4	132322	1745	18.96	19.30	1.081			0	0.001	0.001
	LTE Band 66_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	132322	1745	18.96	19.30	1.081			-0.08	0.740	0.800
	LTE Band 66_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	132072	1720	18.91	19.30	1.094			-0.08	0.749	0.819
53	LTE Band 66_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	132572	1770	18.90	19.30	1.096			0	0.753	0.826
	LTE Band 66_Ant 0	20M	QPSK	50	0	Bottom Edge	10mm	4	132322	1745	18.96	19.30	1.081			0.1	0.747	0.808
	LTE Band 66_Ant 0	20M	QPSK	50	0	Bottom Edge	10mm	4	132072	1720	18.91	19.30	1.094			-0.18	0.747	0.817
	LTE Band 66_Ant 0	20M	QPSK	50	0	Bottom Edge	10mm	4	132572	1770	18.88	19.30	1.102			0.1	0.748	0.824
	LTE Band 66_Ant 0	20M	QPSK	100	0	Bottom Edge	10mm	4	132322	1745	18.92	19.30	1.091			0.12	0.739	0.807



FCC SAR TEST REPORT

Report No. : FA4N0919C

	CA_66C_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	132322	1745	18.93	19.30	1.089			0.01	0.728	0.793
	CA_66B_Ant 0	15M	QPSK	1	0	Bottom Edge	10mm	4	132322	1745	18.76	19.30	1.132			-0.02	0.698	0.790
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	10mm	4	132322	1745	20.56	21.50	1.242			0.09	0.292	0.363
	LTE Band 66_Ant 1	20M	QPSK	50	0	Front	10mm	4	132322	1745	20.56	21.50	1.242			0	0.322	0.400
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	10mm	4	132322	1745	20.56	21.50	1.242			0.12	0.551	0.684
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	10mm	4	132322	1745	20.56	21.50	1.242			0	0.559	0.694
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Edge	10mm	4	132322	1745	20.56	21.50	1.242			-0.08	0.203	0.252
	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Edge	10mm	4	132322	1745	20.56	21.50	1.242			-0.01	0.193	0.240
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Edge	10mm	4	132322	1745	20.56	21.50	1.242			0.02	0.001	0.001
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Edge	10mm	4	132322	1745	20.56	21.50	1.242			-0.04	0.001	0.001
	LTE Band 66_Ant 1	20M	QPSK	1	0	Top Edge	10mm	4	132322	1745	20.56	21.50	1.242			0.08	0.417	0.518
	LTE Band 66_Ant 1	20M	QPSK	50	0	Top Edge	10mm	4	132322	1745	20.56	21.50	1.242			0.06	0.435	0.540
	LTE Band 66_Ant 5	20M	QPSK	1	0	Front	10mm	4	132322	1745	22.52	23.30	1.197			0.06	0.274	0.328
	LTE Band 66_Ant 5	20M	QPSK	50	0	Front	10mm	4	132322	1745	22.52	23.30	1.197			-0.04	0.307	0.367
	LTE Band 66_Ant 5	20M	QPSK	1	0	Back	10mm	4	132322	1745	22.52	23.30	1.197			-0.12	0.344	0.412
	LTE Band 66_Ant 5	20M	QPSK	50	0	Back	10mm	4	132322	1745	22.52	23.30	1.197			-0.12	0.378	0.452
	LTE Band 66_Ant 5	20M	QPSK	1	0	Left Edge	10mm	4	132322	1745	22.52	23.30	1.197			0.06	0.048	0.057
	LTE Band 66_Ant 5	20M	QPSK	50	0	Left Edge	10mm	4	132322	1745	22.52	23.30	1.197			0.08	0.051	0.061
	LTE Band 66_Ant 5	20M	QPSK	1	0	Right Edge	10mm	4	132322	1745	22.52	23.30	1.197			-0.12	0.548	0.656
	LTE Band 66_Ant 5	20M	QPSK	50	0	Right Edge	10mm	4	132322	1745	22.52	23.30	1.197			-0.1	0.557	0.667
	LTE Band 66_Ant 5	20M	QPSK	1	0	Top Edge	10mm	4	132322	1745	22.52	23.30	1.197			0.05	0.117	0.140
	LTE Band 66_Ant 5	20M	QPSK	50	0	Top Edge	10mm	4	132322	1745	22.52	23.30	1.197			0.08	0.122	0.146
	LTE Band 71_Ant 0	20M	QPSK	1	0	Front	10mm	4	133297	680.5	24.55	25.00	1.109			0.03	0.288	0.319
	LTE Band 71_Ant 0	20M	QPSK	50	0	Front	10mm	4	133297	680.5	23.50	24.00	1.122			0.01	0.202	0.227
	LTE Band 71_Ant 0	20M	QPSK	1	0	Back	10mm	4	133297	680.5	24.55	25.00	1.109			0	0.293	0.325
	LTE Band 71_Ant 0	20M	QPSK	50	0	Back	10mm	4	133297	680.5	23.50	24.00	1.122			0.03	0.197	0.221
54	LTE Band 71_Ant 0	20M	QPSK	1	0	Left Edge	10mm	4	133297	680.5	24.55	25.00	1.109			-0.01	0.381	0.423
	LTE Band 71_Ant 0	20M	QPSK	50	0	Left Edge	10mm	4	133297	680.5	23.50	24.00	1.122			-0.08	0.306	0.343
	LTE Band 71_Ant 0	20M	QPSK	1	0	Right Edge	10mm	4	133297	680.5	24.55	25.00	1.109			-0.08	0.183	0.203
	LTE Band 71_Ant 0	20M	QPSK	50	0	Right Edge	10mm	4	133297	680.5	23.50	24.00	1.122			0.1	0.149	0.167
	LTE Band 71_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	133297	680.5	24.55	25.00	1.109			-0.18	0.202	0.224
	LTE Band 71_Ant 0	20M	QPSK	50	0	Bottom Edge	10mm	4	133297	680.5	23.50	24.00	1.122			0.1	0.160	0.180
	LTE Band 71_Ant 1	20M	QPSK	1	0	Front	10mm	4	133297	680.5	24.05	25.00	1.245			-0.01	0.189	0.235
	LTE Band 71_Ant 1	20M	QPSK	50	0	Front	10mm	4	133297	680.5	23.05	24.00	1.245			-0.03	0.142	0.177
	LTE Band 71_Ant 1	20M	QPSK	1	0	Back	10mm	4	133297	680.5	24.05	25.00	1.245			-0.01	0.255	0.317
	LTE Band 71_Ant 1	20M	QPSK	50	0	Back	10mm	4	133297	680.5	23.05	24.00	1.245			-0.07	0.180	0.224
	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Edge	10mm	4	133297	680.5	24.05	25.00	1.245			0.01	0.305	0.380
	LTE Band 71_Ant 1	20M	QPSK	50	0	Left Edge	10mm	4	133297	680.5	23.05	24.00	1.245			-0.1	0.257	0.320
	LTE Band 71_Ant 1	20M	QPSK	1	0	Right Edge	10mm	4	133297	680.5	24.05	25.00	1.245			0.07	0.182	0.227
	LTE Band 71_Ant 1	20M	QPSK	50	0	Right Edge	10mm	4	133297	680.5	23.05	24.00	1.245			0.18	0.144	0.179
	LTE Band 71_Ant 1	20M	QPSK	1	0	Top Edge	10mm	4	133297	680.5	24.05	25.00	1.245			-0.1	0.127	0.158
	LTE Band 71_Ant 1	20M	QPSK	50	0	Top Edge	10mm	4	133297	680.5	23.05	24.00	1.245			0.01	0.074	0.092



<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n7_Ant 2	50M	BPSK	1	1	Front	10mm	4	507000	2535	21.32	21.50	1.042	0.01	0.229	0.239
	FR1 n7_Ant 2	50M	BPSK	135	68	Front	10mm	4	507000	2535	21.25	21.50	1.059	0	0.492	0.521
	FR1 n7_Ant 2	50M	BPSK	1	1	Back	10mm	4	507000	2535	21.32	21.50	1.042	0.01	0.331	0.345
	FR1 n7_Ant 2	50M	BPSK	135	68	Back	10mm	4	507000	2535	21.25	21.50	1.059	-0.03	0.418	0.443
	FR1 n7_Ant 2	50M	BPSK	1	1	Left Edge	10mm	4	507000	2535	21.32	21.50	1.042	0	0.001	0.001
	FR1 n7_Ant 2	50M	BPSK	135	68	Left Edge	10mm	4	507000	2535	21.25	21.50	1.059	0	0.001	0.001
	FR1 n7_Ant 2	50M	BPSK	1	1	Right Edge	10mm	4	507000	2535	21.32	21.50	1.042	0.05	0.689	0.718
55	FR1 n7_Ant 2	50M	BPSK	135	68	Right Edge	10mm	4	507000	2535	21.25	21.50	1.059	0.02	0.792	0.839
	FR1 n7_Ant 2	50M	BPSK	270	0	Right Edge	10mm	4	507000	2535	21.25	21.50	1.059	0.06	0.745	0.789
	FR1 n7_Ant 2	50M	BPSK	1	1	Bottom Edge	10mm	4	507000	2535	21.32	21.50	1.042	0.02	0.107	0.112
	FR1 n7_Ant 2	50M	BPSK	135	68	Bottom Edge	10mm	4	507000	2535	21.25	21.50	1.059	0.03	0.160	0.169
	FR1 n7_Ant 0	50M	BPSK	1	1	Front	10mm	4	507000	2535	17.88	19.50	1.452	0	0.238	0.346
	FR1 n7_Ant 0	50M	BPSK	135	68	Front	10mm	4	507000	2535	17.80	19.50	1.479	0	0.239	0.354
	FR1 n7_Ant 0	50M	BPSK	1	1	Back	10mm	4	507000	2535	17.88	19.50	1.452	0.02	0.259	0.376
	FR1 n7_Ant 0	50M	BPSK	135	68	Back	10mm	4	507000	2535	17.80	19.50	1.479	0.03	0.267	0.395
	FR1 n7_Ant 0	50M	BPSK	1	1	Left Edge	10mm	4	507000	2535	17.88	19.50	1.452	0.05	0.025	0.036
	FR1 n7_Ant 0	50M	BPSK	135	68	Left Edge	10mm	4	507000	2535	17.80	19.50	1.479	-0.05	0.026	0.038
	FR1 n7_Ant 0	50M	BPSK	1	1	Right Edge	10mm	4	507000	2535	17.88	19.50	1.452	0	0.001	0.001
	FR1 n7_Ant 0	50M	BPSK	135	68	Right Edge	10mm	4	507000	2535	17.80	19.50	1.479	0	0.001	0.001
	FR1 n7_Ant 0	50M	BPSK	1	1	Bottom Edge	10mm	4	507000	2535	17.88	19.50	1.452	0.01	0.500	0.726
	FR1 n7_Ant 0	50M	BPSK	135	68	Bottom Edge	10mm	4	507000	2535	17.80	19.50	1.479	0.01	0.512	0.757
	FR1 n12_Ant 0	15M	BPSK	1	1	Front	10mm	4	141500	707.5	24.22	24.50	1.067	0.04	0.288	0.307
	FR1 n12_Ant 0	15M	BPSK	36	22	Front	10mm	4	141500	707.5	24.20	24.50	1.072	0.02	0.288	0.309
	FR1 n12_Ant 0	15M	BPSK	1	1	Back	10mm	4	141500	707.5	24.22	24.50	1.067	-0.14	0.294	0.314
	FR1 n12_Ant 0	15M	BPSK	36	22	Back	10mm	4	141500	707.5	24.20	24.50	1.072	0.01	0.299	0.320
	FR1 n12_Ant 0	15M	BPSK	1	1	Left Edge	10mm	4	141500	707.5	24.22	24.50	1.067	0.02	0.438	0.467
56	FR1 n12_Ant 0	15M	BPSK	36	22	Left Edge	10mm	4	141500	707.5	24.20	24.50	1.072	0	0.478	0.512
	FR1 n12_Ant 0	15M	BPSK	1	1	Right Edge	10mm	4	141500	707.5	24.22	24.50	1.067	-0.11	0.230	0.245
	FR1 n12_Ant 0	15M	BPSK	36	22	Right Edge	10mm	4	141500	707.5	24.20	24.50	1.072	0.14	0.249	0.267
	FR1 n12_Ant 0	15M	BPSK	1	1	Bottom Edge	10mm	4	141500	707.5	24.22	24.50	1.067	0.04	0.190	0.203
	FR1 n12_Ant 0	15M	BPSK	36	22	Bottom Edge	10mm	4	141500	707.5	24.20	24.50	1.072	-0.11	0.219	0.235
	FR1 n12_Ant 1	15M	BPSK	1	1	Front	10mm	4	141500	707.5	24.13	25.00	1.222	-0.02	0.191	0.233
	FR1 n12_Ant 1	15M	BPSK	36	22	Front	10mm	4	141500	707.5	24.09	25.00	1.233	0.08	0.182	0.224
	FR1 n12_Ant 1	15M	BPSK	1	1	Back	10mm	4	141500	707.5	24.13	25.00	1.222	0	0.215	0.263
	FR1 n12_Ant 1	15M	BPSK	36	22	Back	10mm	4	141500	707.5	24.09	25.00	1.233	0.01	0.206	0.254
	FR1 n12_Ant 1	15M	BPSK	1	1	Left Edge	10mm	4	141500	707.5	24.13	25.00	1.222	-0.03	0.245	0.299
	FR1 n12_Ant 1	15M	BPSK	36	22	Left Edge	10mm	4	141500	707.5	24.09	25.00	1.233	0.03	0.240	0.296
	FR1 n12_Ant 1	15M	BPSK	1	1	Right Edge	10mm	4	141500	707.5	24.13	25.00	1.222	-0.08	0.068	0.083
	FR1 n12_Ant 1	15M	BPSK	36	22	Right Edge	10mm	4	141500	707.5	24.09	25.00	1.233	-0.08	0.079	0.097
	FR1 n12_Ant 1	15M	BPSK	1	1	Top Edge	10mm	4	141500	707.5	24.13	25.00	1.222	0.1	0.053	0.065
	FR1 n12_Ant 1	15M	BPSK	36	22	Top Edge	10mm	4	141500	707.5	24.09	25.00	1.233	-0.18	0.049	0.060
	FR1 n14_Ant 0	10M	BPSK	1	1	Front	10mm	4	158600	793	22.71	23.70	1.256	0.06	0.210	0.264
	FR1 n14_Ant 0	10M	BPSK	25	14	Front	10mm	4	158600	793	22.59	23.70	1.291	-0.02	0.190	0.245
	FR1 n14_Ant 0	10M	BPSK	1	1	Back	10mm	4	158600	793	22.71	23.70	1.256	0.01	0.225	0.283
	FR1 n14_Ant 0	10M	BPSK	25	14	Back	10mm	4	158600	793	22.59	23.70	1.291	0.09	0.216	0.279
57	FR1 n14_Ant 0	10M	BPSK	1	1	Left Edge	10mm	4	158600	793	22.71	23.70	1.256	0.01	0.388	0.487
	FR1 n14_Ant 0	10M	BPSK	25	14	Left Edge	10mm	4	158600	793	22.59	23.70	1.291	0.01	0.352	0.455
	FR1 n14_Ant 0	10M	BPSK	1	1	Right Edge	10mm	4	158600	793	22.71	23.70	1.256	0.08	0.208	0.261
	FR1 n14_Ant 0	10M	BPSK	25	14	Right Edge	10mm	4	158600	793	22.59	23.70	1.291	-0.04	0.185	0.239
	FR1 n14_Ant 0	10M	BPSK	1	1	Bottom Edge	10mm	4	158600	793	22.71	23.70	1.256	0.01	0.250	0.314
	FR1 n14_Ant 0	10M	BPSK	25	14	Bottom Edge	10mm	4	158600	793	22.59	23.70	1.291	0	0.261	0.337



FCC SAR TEST REPORT

Report No. : FA4N0919C

	FR1 n14_Ant 1	10M	BPSK	1	1	Front	10mm	4	158600	793	23.83	24.00	1.040	-0.01	0.211	0.219
	FR1 n14_Ant 1	10M	BPSK	25	14	Front	10mm	4	158600	793	23.75	24.00	1.059	0.04	0.206	0.218
	FR1 n14_Ant 1	10M	BPSK	1	1	Back	10mm	4	158600	793	23.83	24.00	1.040	-0.04	0.244	0.254
	FR1 n14_Ant 1	10M	BPSK	25	14	Back	10mm	4	158600	793	23.75	24.00	1.059	0.02	0.195	0.207
	FR1 n14_Ant 1	10M	BPSK	1	1	Left Edge	10mm	4	158600	793	23.83	24.00	1.040	-0.02	0.445	0.463
	FR1 n14_Ant 1	10M	BPSK	25	14	Left Edge	10mm	4	158600	793	23.75	24.00	1.059	0.08	0.395	0.418
	FR1 n14_Ant 1	10M	BPSK	1	1	Right Edge	10mm	4	158600	793	23.83	24.00	1.040	0.01	0.171	0.178
	FR1 n14_Ant 1	10M	BPSK	25	14	Right Edge	10mm	4	158600	793	23.75	24.00	1.059	0.03	0.170	0.180
	FR1 n14_Ant 1	10M	BPSK	1	1	Top Edge	10mm	4	158600	793	23.83	24.00	1.040	-0.08	0.128	0.133
	FR1 n14_Ant 1	10M	BPSK	25	14	Top Edge	10mm	4	158600	793	23.75	24.00	1.059	-0.08	0.125	0.132
	FR1 n25_Ant 2	40M	BPSK	1	1	Front	10mm	4	376500	1882.5	20.65	21.60	1.245	0.09	0.267	0.332
	FR1 n25_Ant 2	40M	BPSK	108	54	Front	10mm	4	376500	1882.5	20.51	21.60	1.285	0.04	0.255	0.328
	FR1 n25_Ant 2	40M	BPSK	1	1	Back	10mm	4	376500	1882.5	20.65	21.60	1.245	0.01	0.344	0.428
	FR1 n25_Ant 2	40M	BPSK	108	54	Back	10mm	4	376500	1882.5	20.51	21.60	1.285	0.02	0.323	0.415
	FR1 n25_Ant 2	40M	BPSK	1	1	Left Edge	10mm	4	376500	1882.5	20.65	21.60	1.245	0.06	0.077	0.096
	FR1 n25_Ant 2	40M	BPSK	108	54	Left Edge	10mm	4	376500	1882.5	20.51	21.60	1.285	-0.02	0.057	0.073
	FR1 n25_Ant 2	40M	BPSK	1	1	Right Edge	10mm	4	376500	1882.5	20.65	21.60	1.245	-0.01	0.421	0.524
	FR1 n25_Ant 2	40M	BPSK	108	54	Right Edge	10mm	4	376500	1882.5	20.51	21.60	1.285	0.05	0.373	0.479
	FR1 n25_Ant 2	40M	BPSK	1	1	Bottom Edge	10mm	4	376500	1882.5	20.65	21.60	1.245	-0.01	0.081	0.101
	FR1 n25_Ant 2	40M	BPSK	108	54	Bottom Edge	10mm	4	376500	1882.5	20.51	21.60	1.285	0.02	0.087	0.112
	FR1 n25_Ant 0	40M	BPSK	1	1	Front	10mm	4	376500	1882.5	17.12	18.10	1.253	-0.08	0.373	0.467
	FR1 n25_Ant 0	40M	BPSK	108	54	Front	10mm	4	376500	1882.5	17.11	18.10	1.256	-0.14	0.392	0.492
	FR1 n25_Ant 0	40M	BPSK	1	1	Back	10mm	4	376500	1882.5	17.12	18.10	1.253	-0.11	0.438	0.549
	FR1 n25_Ant 0	40M	BPSK	108	54	Back	10mm	4	376500	1882.5	17.11	18.10	1.256	-0.11	0.463	0.582
	FR1 n25_Ant 0	40M	BPSK	1	1	Left Edge	10mm	4	376500	1882.5	17.12	18.10	1.253	0.12	0.082	0.103
	FR1 n25_Ant 0	40M	BPSK	108	54	Left Edge	10mm	4	376500	1882.5	17.11	18.10	1.256	-0.13	0.084	0.106
	FR1 n25_Ant 0	40M	BPSK	1	1	Right Edge	10mm	4	376500	1882.5	17.12	18.10	1.253	-0.11	0.001	0.001
	FR1 n25_Ant 0	40M	BPSK	108	54	Right Edge	10mm	4	376500	1882.5	17.11	18.10	1.256	-0.15	0.001	0.001
	FR1 n25_Ant 0	40M	BPSK	1	1	Bottom Edge	10mm	4	376500	1882.5	17.12	18.10	1.253	0.04	0.606	0.759
	FR1 n25_Ant 0	40M	BPSK	108	54	Bottom Edge	10mm	4	376500	1882.5	17.11	18.10	1.256	0	0.662	0.831
	FR1 n25_Ant 0	40M	BPSK	216	0	Bottom Edge	10mm	4	376500	1882.5	17.05	18.10	1.274	0.02	0.589	0.750
	FR1 n25_Ant 1	40M	BPSK	1	1	Front	10mm	4	376500	1882.5	19.97	20.50	1.130	0.01	0.497	0.562
	FR1 n25_Ant 1	40M	BPSK	108	54	Front	10mm	4	376500	1882.5	20.02	20.50	1.117	0.02	0.432	0.482
58	FR1 n25_Ant 1	40M	BPSK	1	1	Back	10mm	4	376500	1882.5	19.97	20.50	1.130	0	0.746	0.843
	FR1 n25_Ant 1	40M	BPSK	108	54	Back	10mm	4	376500	1882.5	20.02	20.50	1.117	0.01	0.652	0.728
	FR1 n25_Ant 1	40M	BPSK	216	0	Back	10mm	4	376500	1882.5	19.98	20.50	1.127	0.02	0.648	0.730
	FR1 n25_Ant 1	40M	BPSK	1	1	Left Edge	10mm	4	376500	1882.5	19.97	20.50	1.130	-0.02	0.286	0.323
	FR1 n25_Ant 1	40M	BPSK	108	54	Left Edge	10mm	4	376500	1882.5	20.02	20.50	1.117	0.02	0.236	0.264
	FR1 n25_Ant 1	40M	BPSK	1	1	Right Edge	10mm	4	376500	1882.5	19.97	20.50	1.130	0	0.001	0.001
	FR1 n25_Ant 1	40M	BPSK	108	54	Right Edge	10mm	4	376500	1882.5	20.02	20.50	1.117	0	0.001	0.001
	FR1 n25_Ant 1	40M	BPSK	1	1	Top Edge	10mm	4	376500	1882.5	19.97	20.50	1.130	0.05	0.559	0.632
	FR1 n25_Ant 1	40M	BPSK	108	54	Top Edge	10mm	4	376500	1882.5	20.02	20.50	1.117	0.06	0.539	0.602
	FR1 n25_Ant 5	40M	BPSK	1	1	Front	10mm	4	376500	1882.5	21.11	21.70	1.146	0	0.335	0.384
	FR1 n25_Ant 5	40M	BPSK	108	54	Front	10mm	4	376500	1882.5	21.08	21.70	1.153	0	0.336	0.388
	FR1 n25_Ant 5	40M	BPSK	1	1	Back	10mm	4	376500	1882.5	21.11	21.70	1.146	-0.02	0.400	0.458
	FR1 n25_Ant 5	40M	BPSK	108	54	Back	10mm	4	376500	1882.5	21.08	21.70	1.153	0.03	0.404	0.466
	FR1 n25_Ant 5	40M	BPSK	1	1	Left Edge	10mm	4	376500	1882.5	21.11	21.70	1.146	0.06	0.047	0.054
	FR1 n25_Ant 5	40M	BPSK	108	54	Left Edge	10mm	4	376500	1882.5	21.08	21.70	1.153	0.02	0.057	0.066
	FR1 n25_Ant 5	40M	BPSK	1	1	Right Edge	10mm	4	376500	1882.5	21.11	21.70	1.146	0	0.666	0.763
	FR1 n25_Ant 5	40M	BPSK	108	54	Right Edge	10mm	4	376500	1882.5	21.08	21.70	1.153	0	0.716	0.826
	FR1 n25_Ant 5	40M	BPSK	216	0	Right Edge	10mm	4	376500	1882.5	21.09	21.70	1.151	0.01	0.669	0.770
	FR1 n25_Ant 5	40M	BPSK	1	1	Top Edge	10mm	4	376500	1882.5	21.11	21.70	1.146	-0.01	0.108	0.124
	FR1 n25_Ant 5	40M	BPSK	108	54	Top Edge	10mm	4	376500	1882.5	21.08	21.70	1.153	0.02	0.129	0.149
	FR1 n26_Ant 0	20M	BPSK	1	1	Front	10mm	4	166300	831.5	23.96	25.00	1.271	0	0.311	0.395
	FR1 n26_Ant 0	20M	BPSK	50	28	Front	10mm	4	166300	831.5	23.92	25.00	1.282	-0.02	0.341	0.437



FCC SAR TEST REPORT

Report No. : FA4N0919C

	FR1 n26_Ant 0	20M	BPSK	1	1	Back	10mm	4	166300	831.5	23.96	25.00	1.271	0.13	0.461	0.586
59	FR1 n26_Ant 0	20M	BPSK	50	28	Back	10mm	4	166300	831.5	23.92	25.00	1.282	0	0.502	0.644
	FR1 n26_Ant 0	20M	BPSK	1	1	Left Edge	10mm	4	166300	831.5	23.96	25.00	1.271	0.01	0.384	0.488
	FR1 n26_Ant 0	20M	BPSK	50	28	Left Edge	10mm	4	166300	831.5	23.92	25.00	1.282	0.01	0.340	0.436
	FR1 n26_Ant 0	20M	BPSK	1	1	Right Edge	10mm	4	166300	831.5	23.96	25.00	1.271	0.08	0.144	0.183
	FR1 n26_Ant 0	20M	BPSK	50	28	Right Edge	10mm	4	166300	831.5	23.92	25.00	1.282	-0.03	0.144	0.185
	FR1 n26_Ant 0	20M	BPSK	1	1	Bottom Edge	10mm	4	166300	831.5	23.96	25.00	1.271	-0.13	0.363	0.461
	FR1 n26_Ant 0	20M	BPSK	50	28	Bottom Edge	10mm	4	166300	831.5	23.92	25.00	1.282	0.16	0.390	0.500
	FR1 n26_Ant 1	20M	BPSK	1	1	Front	10mm	4	166300	831.5	23.69	25.00	1.352	-0.01	0.150	0.203
	FR1 n26_Ant 1	20M	BPSK	50	28	Front	10mm	4	166300	831.5	23.61	25.00	1.377	-0.18	0.143	0.197
	FR1 n26_Ant 1	20M	BPSK	1	1	Back	10mm	4	166300	831.5	23.69	25.00	1.352	0.01	0.248	0.335
	FR1 n26_Ant 1	20M	BPSK	50	28	Back	10mm	4	166300	831.5	23.61	25.00	1.377	0.02	0.168	0.231
	FR1 n26_Ant 1	20M	BPSK	1	1	Left Edge	10mm	4	166300	831.5	23.69	25.00	1.352	-0.01	0.241	0.326
	FR1 n26_Ant 1	20M	BPSK	50	28	Left Edge	10mm	4	166300	831.5	23.61	25.00	1.377	0.14	0.195	0.269
	FR1 n26_Ant 1	20M	BPSK	1	1	Right Edge	10mm	4	166300	831.5	23.69	25.00	1.352	0.11	0.136	0.184
	FR1 n26_Ant 1	20M	BPSK	50	28	Right Edge	10mm	4	166300	831.5	23.61	25.00	1.377	-0.05	0.125	0.172
	FR1 n26_Ant 1	20M	BPSK	1	1	Top Edge	10mm	4	166300	831.5	23.69	25.00	1.352	0.18	0.111	0.150
	FR1 n26_Ant 1	20M	BPSK	50	28	Top Edge	10mm	4	166300	831.5	23.61	25.00	1.377	0.14	0.104	0.143
	FR1 n30_Ant 2	10M	BPSK	1	1	Front	10mm	4	462000	2310	20.44	20.50	1.014	0.12	0.311	0.315
	FR1 n30_Ant 2	10M	BPSK	25	14	Front	10mm	4	462000	2310	20.48	20.50	1.005	0.01	0.334	0.336
	FR1 n30_Ant 2	10M	BPSK	1	1	Back	10mm	4	462000	2310	20.44	20.50	1.014	-0.17	0.347	0.352
	FR1 n30_Ant 2	10M	BPSK	25	14	Back	10mm	4	462000	2310	20.48	20.50	1.005	-0.03	0.363	0.365
	FR1 n30_Ant 2	10M	BPSK	1	1	Left Edge	10mm	4	462000	2310	20.44	20.50	1.014	0.02	0.001	0.001
	FR1 n30_Ant 2	10M	BPSK	25	14	Left Edge	10mm	4	462000	2310	20.48	20.50	1.005	0.09	0.001	0.001
	FR1 n30_Ant 2	10M	BPSK	1	1	Right Edge	10mm	4	462000	2310	20.44	20.50	1.014	-0.04	0.549	0.557
	FR1 n30_Ant 2	10M	BPSK	25	14	Right Edge	10mm	4	462000	2310	20.48	20.50	1.005	-0.03	0.577	0.580
	FR1 n30_Ant 2	10M	BPSK	1	1	Bottom Edge	10mm	4	462000	2310	20.44	20.50	1.014	0.13	0.078	0.079
	FR1 n30_Ant 2	10M	BPSK	25	14	Bottom Edge	10mm	4	462000	2310	20.48	20.50	1.005	0.14	0.087	0.087
	FR1 n30_Ant 0	10M	BPSK	1	1	Front	10mm	4	462000	2310	18.07	19.80	1.489	0	0.294	0.438
	FR1 n30_Ant 0	10M	BPSK	25	14	Front	10mm	4	462000	2310	18.16	19.80	1.459	0	0.301	0.439
	FR1 n30_Ant 0	10M	BPSK	1	1	Back	10mm	4	462000	2310	18.07	19.80	1.489	-0.07	0.333	0.496
	FR1 n30_Ant 0	10M	BPSK	25	14	Back	10mm	4	462000	2310	18.16	19.80	1.459	-0.03	0.345	0.503
	FR1 n30_Ant 0	10M	BPSK	1	1	Left Edge	10mm	4	462000	2310	18.07	19.80	1.489	-0.1	0.045	0.067
	FR1 n30_Ant 0	10M	BPSK	25	14	Left Edge	10mm	4	462000	2310	18.16	19.80	1.459	0.02	0.040	0.058
	FR1 n30_Ant 0	10M	BPSK	1	1	Right Edge	10mm	4	462000	2310	18.07	19.80	1.489	-0.16	0.001	0.001
	FR1 n30_Ant 0	10M	BPSK	25	14	Right Edge	10mm	4	462000	2310	18.16	19.80	1.459	-0.09	0.001	0.001
60	FR1 n30_Ant 0	10M	BPSK	1	1	Bottom Edge	10mm	4	462000	2310	18.07	19.80	1.489	-0.04	0.507	0.755
	FR1 n30_Ant 0	10M	BPSK	25	14	Bottom Edge	10mm	4	462000	2310	18.16	19.80	1.459	0	0.503	0.734
	FR1 n38_Ant 2	40M	BPSK	1	1	Front	10mm	4	519000	2595	20.87	21.80	1.239	0.04	0.430	0.533
	FR1 n38_Ant 2	40M	BPSK	50	28	Front	10mm	4	519000	2595	20.83	21.80	1.250	0.02	0.397	0.496
	FR1 n38_Ant 2	40M	BPSK	1	1	Back	10mm	4	519000	2595	20.87	21.80	1.239	0	0.471	0.583
	FR1 n38_Ant 2	40M	BPSK	50	28	Back	10mm	4	519000	2595	20.83	21.80	1.250	0.02	0.409	0.511
	FR1 n38_Ant 2	40M	BPSK	1	1	Left Edge	10mm	4	519000	2595	20.87	21.80	1.239	0.02	0.038	0.047
	FR1 n38_Ant 2	40M	BPSK	50	28	Left Edge	10mm	4	519000	2595	20.83	21.80	1.250	0.01	0.033	0.041
61	FR1 n38_Ant 2	40M	BPSK	1	1	Right Edge	10mm	4	519000	2595	20.87	21.80	1.239	0.01	0.626	0.775
	FR1 n38_Ant 2	40M	BPSK	50	28	Right Edge	10mm	4	519000	2595	20.83	21.80	1.250	0.01	0.601	0.751
	FR1 n38_Ant 2	40M	BPSK	1	1	Bottom Edge	10mm	4	519000	2595	20.87	21.80	1.239	0.05	0.160	0.198
	FR1 n38_Ant 2	40M	BPSK	50	28	Bottom Edge	10mm	4	519000	2595	20.83	21.80	1.250	0.06	0.163	0.204
	FR1 n41_Ant 2	100M	BPSK	1	1	Front	10mm	4	518598	2592.99	21.03	21.80	1.194	-0.01	0.416	0.497
	FR1 n41_Ant 2	100M	BPSK	135	69	Front	10mm	4	518598	2592.99	20.86	21.80	1.242	0.08	0.384	0.477
	FR1 n41_Ant 2	100M	BPSK	1	1	Back	10mm	4	518598	2592.99	21.03	21.80	1.194	-0.01	0.475	0.567
	FR1 n41_Ant 2	100M	BPSK	135	69	Back	10mm	4	518598	2592.99	20.86	21.80	1.242	-0.16	0.412	0.512
	FR1 n41_Ant 2	100M	BPSK	1	1	Left Edge	10mm	4	518598	2592.99	21.03	21.80	1.194	0.11	0.039	0.047
	FR1 n41_Ant 2	100M	BPSK	135	69	Left Edge	10mm	4	518598	2592.99	20.86	21.80	1.242	0.01	0.034	0.042
	FR1 n41_Ant 2	100M	BPSK	1	1	Right Edge	10mm	4	518598	2592.99	21.03	21.80	1.194	-0.02	0.648	0.774
	FR1 n41_Ant 2	100M	BPSK	135	69	Right Edge	10mm	4	518598	2592.99	20.86	21.80	1.242	0.08	0.621	0.771



FCC SAR TEST REPORT

Report No. : FA4N0919C

	FR1 n41_Ant 2	100M	BPSK	1	1	Bottom Edge	10mm	4	518598	2592.99	21.03	21.80	1.194	0.02	0.165	0.197
	FR1 n41_Ant 2	100M	BPSK	135	69	Bottom Edge	10mm	4	518598	2592.99	20.86	21.80	1.242	-0.01	0.169	0.210
	FR1 n41_HPUE_Ant 2	100M	BPSK	1	1	Right Edge	10mm	4	518598	2592.99	24.13	24.80	1.167	0.09	0.633	0.739
	FR1 n41_Ant 0	100M	BPSK	1	1	Front	10mm	4	518598	2592.99	18.98	20.10	1.294	-0.02	0.271	0.351
	FR1 n41_Ant 0	100M	BPSK	135	69	Front	10mm	4	518598	2592.99	18.80	20.10	1.349	-0.03	0.274	0.370
	FR1 n41_Ant 0	100M	BPSK	1	1	Back	10mm	4	518598	2592.99	18.98	20.10	1.294	0	0.451	0.584
	FR1 n41_Ant 0	100M	BPSK	135	69	Back	10mm	4	518598	2592.99	18.80	20.10	1.349	0.14	0.405	0.546
	FR1 n41_Ant 0	100M	BPSK	1	1	Left Edge	10mm	4	518598	2592.99	18.98	20.10	1.294	0.09	0.033	0.043
	FR1 n41_Ant 0	100M	BPSK	135	69	Left Edge	10mm	4	518598	2592.99	18.80	20.10	1.349	0.1	0.038	0.051
	FR1 n41_Ant 0	100M	BPSK	1	1	Right Edge	10mm	4	518598	2592.99	18.98	20.10	1.294	0.02	0.041	0.053
	FR1 n41_Ant 0	100M	BPSK	135	69	Right Edge	10mm	4	518598	2592.99	18.80	20.10	1.349	0.01	0.039	0.053
62	FR1 n41_Ant 0	100M	BPSK	1	1	Bottom Edge	10mm	4	518598	2592.99	18.98	20.10	1.294	-0.01	0.650	0.841
	FR1 n41_Ant 0	100M	BPSK	135	69	Bottom Edge	10mm	4	518598	2592.99	18.80	20.10	1.349	-0.13	0.598	0.807
	FR1 n41_Ant 0	100M	BPSK	270	0	Bottom Edge	10mm	4	518598	2592.99	18.83	20.10	1.340	0.12	0.622	0.833
	FR1 n41_HPUE_Ant 0	100M	BPSK	1	1	Bottom Edge	10mm	4	518598	2592.99	22.04	23.00	1.247	0.09	0.618	0.771
	FR1 n41_Ant 1	100M	BPSK	1	1	Front	10mm	4	518598	2592.99	22.15	22.20	1.012	0.01	0.215	0.217
	FR1 n41_Ant 1	100M	BPSK	135	69	Front	10mm	4	518598	2592.99	21.91	22.20	1.069	0.06	0.386	0.413
	FR1 n41_Ant 1	100M	BPSK	1	1	Back	10mm	4	518598	2592.99	22.15	22.20	1.012	0.09	0.382	0.386
	FR1 n41_Ant 1	100M	BPSK	135	69	Back	10mm	4	518598	2592.99	21.91	22.20	1.069	0.01	0.594	0.635
	FR1 n41_Ant 1	100M	BPSK	1	1	Left Edge	10mm	4	518598	2592.99	22.15	22.20	1.012	0.02	0.233	0.236
	FR1 n41_Ant 1	100M	BPSK	135	69	Left Edge	10mm	4	518598	2592.99	21.91	22.20	1.069	-0.05	0.385	0.412
	FR1 n41_Ant 1	100M	BPSK	1	1	Right Edge	10mm	4	518598	2592.99	22.15	22.20	1.012	0	0.001	0.001
	FR1 n41_Ant 1	100M	BPSK	135	69	Right Edge	10mm	4	518598	2592.99	21.91	22.20	1.069	0	0.001	0.001
	FR1 n41_Ant 1	100M	BPSK	1	1	Top Edge	10mm	4	518598	2592.99	22.15	22.20	1.012	0.08	0.096	0.097
	FR1 n41_Ant 1	100M	BPSK	135	69	Top Edge	10mm	4	518598	2592.99	21.91	22.20	1.069	-0.01	0.144	0.154
	FR1 n41_HPUE_Ant 1	100M	BPSK	1	1	Back	10mm	4	518598	2592.99	25.20	25.20	1.000	0.02	0.580	0.580
	FR1 n41_Ant 5	100M	BPSK	1	1	Front	10mm	4	518598	2592.99	22.34	23.20	1.219	0.09	0.314	0.383
	FR1 n41_Ant 5	100M	BPSK	135	69	Front	10mm	4	518598	2592.99	22.23	23.20	1.250	-0.02	0.490	0.613
	FR1 n41_Ant 5	100M	BPSK	1	1	Back	10mm	4	518598	2592.99	22.34	23.20	1.219	-0.14	0.373	0.455
	FR1 n41_Ant 5	100M	BPSK	135	69	Back	10mm	4	518598	2592.99	22.23	23.20	1.250	-0.04	0.578	0.723
	FR1 n41_Ant 5	100M	BPSK	1	1	Left Edge	10mm	4	518598	2592.99	22.34	23.20	1.219	0.05	0.001	0.001
	FR1 n41_Ant 5	100M	BPSK	135	69	Left Edge	10mm	4	518598	2592.99	22.23	23.20	1.250	-0.12	0.001	0.001
	FR1 n41_Ant 5	100M	BPSK	1	1	Right Edge	10mm	4	518598	2592.99	22.34	23.20	1.219	-0.18	0.522	0.636
	FR1 n41_Ant 5	100M	BPSK	135	69	Right Edge	10mm	4	518598	2592.99	22.23	23.20	1.250	-0.03	0.596	0.745
	FR1 n41_Ant 5	100M	BPSK	270	0	Right Edge	10mm	4	518598	2592.99	22.20	23.20	1.259	-0.14	0.517	0.651
	FR1 n41_Ant 5	100M	BPSK	1	1	Top Edge	10mm	4	518598	2592.99	22.34	23.20	1.219	-0.1	0.369	0.450
	FR1 n41_Ant 5	100M	BPSK	135	69	Top Edge	10mm	4	518598	2592.99	22.23	23.20	1.250	-0.13	0.307	0.384
	FR1 n41_HPUE_Ant 5	100M	BPSK	1	1	Right Edge	10mm	4	518598	2592.99	25.78	26.00	1.052	-0.11	0.620	0.652
	FR1 n48_Ant 6	40M	BPSK	1	1	Front	10mm	4	641666	3624.99	19.24	19.40	1.038	-0.09	0.242	0.251
	FR1 n48_Ant 6	40M	BPSK	50	25	Front	10mm	4	641666	3624.99	19.09	19.40	1.074	-0.15	0.236	0.253
	FR1 n48_Ant 6	40M	BPSK	1	1	Back	10mm	4	641666	3624.99	19.24	19.40	1.038	-0.15	0.310	0.322
	FR1 n48_Ant 6	40M	BPSK	50	25	Back	10mm	4	641666	3624.99	19.09	19.40	1.074	-0.15	0.311	0.334
	FR1 n48_Ant 6	40M	BPSK	1	1	Left Edge	10mm	4	641666	3624.99	19.24	19.40	1.038	-0.08	0.523	0.543
	FR1 n48_Ant 6	40M	BPSK	50	25	Left Edge	10mm	4	641666	3624.99	19.09	19.40	1.074	0.01	0.518	0.556
	FR1 n48_Ant 6	40M	BPSK	1	1	Right Edge	10mm	4	641666	3624.99	19.24	19.40	1.038	-0.08	0.048	0.050
	FR1 n48_Ant 6	40M	BPSK	50	25	Right Edge	10mm	4	641666	3624.99	19.09	19.40	1.074	-0.04	0.053	0.057
	FR1 n48_Ant 6	40M	BPSK	1	1	Bottom Edge	10mm	4	641666	3624.99	19.24	19.40	1.038	-0.08	0.469	0.487
	FR1 n48_Ant 6	40M	BPSK	50	25	Bottom Edge	10mm	4	641666	3624.99	19.09	19.40	1.074	0.17	0.442	0.475
	FR1 n48_Ant 7	40M	BPSK	1	1	Front	10mm	4	641666	3624.99	18.30	19.10	1.202	0.18	0.203	0.244
	FR1 n48_Ant 7	40M	BPSK	50	25	Front	10mm	4	641666	3624.99	18.18	19.10	1.236	-0.1	0.215	0.266
	FR1 n48_Ant 7	40M	BPSK	1	1	Back	10mm	4	641666	3624.99	18.30	19.10	1.202	-0.08	0.297	0.357
	FR1 n48_Ant 7	40M	BPSK	50	25	Back	10mm	4	641666	3624.99	18.18	19.10	1.236	-0.12	0.328	0.405
	FR1 n48_Ant 7	40M	BPSK	1	1	Left Edge	10mm	4	641666	3624.99	18.30	19.10	1.202	-0.08	0.040	0.048
	FR1 n48_Ant 7	40M	BPSK	50	25	Left Edge	10mm	4	641666	3624.99	18.18	19.10	1.236	0.1	0.036	0.044
	FR1 n48_Ant 7	40M	BPSK	1	1	Right Edge	10mm	4	641666	3624.99	18.30	19.10	1.202	-0.18	0.470	0.565
	FR1 n48_Ant 7	40M	BPSK	50	25	Right Edge	10mm	4	641666	3624.99	18.18	19.10	1.236	0.1	0.525	0.649



FCC SAR TEST REPORT

Report No. : FA4N0919C

	FR1 n48_Ant 7	40M	BPSK	50	25	Right Edge	10mm	4	638000	3570	11.97	13.00	1.268	-0.05	0.122	0.155
	FR1 n48_Ant 7	20M	BPSK	25	12	Right Edge	10mm	4	637334	3560.01	18.16	19.10	1.242	0.18	0.588	0.730
	FR1 n48_Ant 7	40M	BPSK	50	25	Right Edge	10mm	4	645332	3679.98	11.90	13.00	1.288	0.14	0.112	0.144
63	FR1 n48_Ant 7	30M	BPSK	36	18	Right Edge	10mm	4	645666	3684.99	18.02	19.10	1.282	0	0.576	0.739
	FR1 n48_Ant 7	40M	BPSK	1	1	Bottom Edge	10mm	4	641666	3624.99	18.30	19.10	1.202	0.12	0.095	0.114
	FR1 n48_Ant 7	40M	BPSK	50	25	Bottom Edge	10mm	4	641666	3624.99	18.18	19.10	1.236	0.08	0.081	0.100
	FR1 n48_Ant 1	40M	BPSK	1	1	Front	10mm	4	641666	3624.99	17.93	18.30	1.089	0.02	0.136	0.148
	FR1 n48_Ant 1	40M	BPSK	50	25	Front	10mm	4	641666	3624.99	17.92	18.30	1.091	0.14	0.151	0.165
	FR1 n48_Ant 1	40M	BPSK	1	1	Back	10mm	4	641666	3624.99	17.93	18.30	1.089	0.03	0.368	0.401
	FR1 n48_Ant 1	40M	BPSK	50	25	Back	10mm	4	641666	3624.99	17.92	18.30	1.091	-0.02	0.402	0.439
	FR1 n48_Ant 1	40M	BPSK	1	1	Left Edge	10mm	4	641666	3624.99	17.93	18.30	1.089	-0.01	0.421	0.458
	FR1 n48_Ant 1	40M	BPSK	50	25	Left Edge	10mm	4	641666	3624.99	17.92	18.30	1.091	-0.01	0.353	0.385
	FR1 n48_Ant 1	40M	BPSK	1	1	Right Edge	10mm	4	641666	3624.99	17.93	18.30	1.089	0.01	0.044	0.048
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Edge	10mm	4	641666	3624.99	17.92	18.30	1.091	0.02	0.054	0.059
	FR1 n48_Ant 1	40M	BPSK	1	1	Top Edge	10mm	4	641666	3624.99	17.93	18.30	1.089	-0.01	0.128	0.139
	FR1 n48_Ant 1	40M	BPSK	50	25	Top Edge	10mm	4	641666	3624.99	17.92	18.30	1.091	0.02	0.144	0.157
	FR1 n48_Ant 5	40M	BPSK	1	1	Front	10mm	4	641666	3624.99	19.36	20.50	1.300	0.02	0.095	0.124
	FR1 n48_Ant 5	20M	BPSK	1	0	Front	10mm	4	641666	3624.99	19.72	21.40	1.472	-0.01	0.094	0.138
	FR1 n48_Ant 5	40M	BPSK	50	25	Front	10mm	4	641666	3624.99	19.59	21.40	1.517	-0.02	0.099	0.150
	FR1 n48_Ant 5	40M	BPSK	1	1	Back	10mm	4	641666	3624.99	19.36	20.50	1.300	0.06	0.164	0.213
	FR1 n48_Ant 5	20M	BPSK	1	0	Back	10mm	4	641666	3624.99	19.72	21.40	1.472	0.01	0.157	0.231
	FR1 n48_Ant 5	40M	BPSK	50	25	Back	10mm	4	641666	3624.985	19.59	21.40	1.517	0.05	0.170	0.258
	FR1 n48_Ant 5	40M	BPSK	1	1	Left Edge	10mm	4	641666	3624.99	19.36	20.50	1.300	0.05	0.039	0.051
	FR1 n48_Ant 5	20M	BPSK	1	0	Left Edge	10mm	4	641666	3624.99	19.72	21.40	1.472	-0.01	0.039	0.057
	FR1 n48_Ant 5	40M	BPSK	50	25	Left Edge	10mm	4	641666	3624.99	19.59	21.40	1.517	0.08	0.037	0.056
	FR1 n48_Ant 5	40M	BPSK	1	1	Right Edge	10mm	4	641666	3624.99	19.36	20.50	1.300	-0.02	0.103	0.134
	FR1 n48_Ant 5	20M	BPSK	1	0	Right Edge	10mm	4	641666	3624.99	19.72	21.40	1.472	0.06	0.093	0.137
	FR1 n48_Ant 5	40M	BPSK	50	25	Right Edge	10mm	4	641666	3624.985	19.59	21.40	1.517	0.07	0.095	0.144
	FR1 n48_Ant 5	40M	BPSK	1	1	Top Edge	10mm	4	641666	3624.99	19.36	20.50	1.300	0.08	0.048	0.062
	FR1 n48_Ant 5	20M	BPSK	1	0	Top Edge	10mm	4	641666	3624.99	19.72	21.40	1.472	-0.02	0.042	0.062
	FR1 n48_Ant 5	40M	BPSK	50	25	Top Edge	10mm	4	641666	3624.99	19.59	21.40	1.517	0.06	0.038	0.058
	FR1 n66_Ant 2	40M	BPSK	1	1	Front	10mm	4	349000	1745	22.01	22.30	1.069	-0.14	0.308	0.329
	FR1 n66_Ant 2	40M	BPSK	108	54	Front	10mm	4	349000	1745	22.01	22.30	1.069	0.01	0.268	0.287
	FR1 n66_Ant 2	40M	BPSK	1	1	Back	10mm	4	349000	1745	22.01	22.30	1.069	0	0.450	0.481
	FR1 n66_Ant 2	40M	BPSK	108	54	Back	10mm	4	349000	1745	22.01	22.30	1.069	0.02	0.415	0.444
	FR1 n66_Ant 2	40M	BPSK	1	1	Left Edge	10mm	4	349000	1745	22.01	22.30	1.069	-0.14	0.090	0.096
	FR1 n66_Ant 2	40M	BPSK	108	54	Left Edge	10mm	4	349000	1745	22.01	22.30	1.069	0	0.085	0.091
	FR1 n66_Ant 2	40M	BPSK	1	1	Right Edge	10mm	4	349000	1745	22.01	22.30	1.069	0.01	0.542	0.579
	FR1 n66_Ant 2	40M	BPSK	108	54	Right Edge	10mm	4	349000	1745	22.01	22.30	1.069	0.1	0.510	0.545
	FR1 n66_Ant 2	40M	BPSK	1	1	Bottom Edge	10mm	4	349000	1745	22.01	22.30	1.069	-0.09	0.313	0.335
	FR1 n66_Ant 2	40M	BPSK	108	54	Bottom Edge	10mm	4	349000	1745	22.01	22.30	1.069	0.09	0.276	0.295
	FR1 n66_Ant 0	40M	BPSK	1	1	Front	10mm	4	349000	1745	18.29	19.70	1.384	-0.16	0.339	0.469
	FR1 n66_Ant 0	40M	BPSK	108	54	Front	10mm	4	349000	1745	18.21	19.70	1.409	-0.11	0.316	0.445
	FR1 n66_Ant 0	40M	BPSK	1	1	Back	10mm	4	349000	1745	18.29	19.70	1.384	-0.12	0.416	0.576
	FR1 n66_Ant 0	40M	BPSK	108	54	Back	10mm	4	349000	1745	18.21	19.70	1.409	0.11	0.392	0.552
	FR1 n66_Ant 0	40M	BPSK	1	1	Left Edge	10mm	4	349000	1745	18.29	19.70	1.384	-0.17	0.089	0.123
	FR1 n66_Ant 0	40M	BPSK	108	54	Left Edge	10mm	4	349000	1745	18.21	19.70	1.409	-0.06	0.081	0.114
	FR1 n66_Ant 0	40M	BPSK	1	1	Right Edge	10mm	4	349000	1745	18.29	19.70	1.384	0.05	0.001	0.001
	FR1 n66_Ant 0	40M	BPSK	108	54	Right Edge	10mm	4	349000	1745	18.21	19.70	1.409	-0.08	0.001	0.001
	FR1 n66_Ant 0	40M	BPSK	1	1	Bottom Edge	10mm	4	349000	1745	18.29	19.70	1.384	-0.01	0.608	0.841
	FR1 n66_Ant 0	40M	BPSK	108	54	Bottom Edge	10mm	4	349000	1745	18.21	19.70	1.409	0.06	0.582	0.820
	FR1 n66_Ant 0	40M	BPSK	216	0	Bottom Edge	10mm	4	349000	1745	18.22	19.70	1.406	0.03	0.568	0.799
	FR1 n66_Ant 1	40M	BPSK	1	1	Front	10mm	4	349000	1745	21.64	21.90	1.062	0.06	0.416	0.442
	FR1 n66_Ant 1	40M	BPSK	108	54	Front	10mm	4	349000	1745	21.58	21.90	1.076	0.01	0.571	0.615
	FR1 n66_Ant 1	40M	BPSK	1	1	Back	10mm	4	349000	1745	21.64	21.90	1.062	0.05	0.584	0.620
64	FR1 n66_Ant 1	40M	BPSK	108	54	Back	10mm	4	349000	1745	21.58	21.90	1.076	0.01	0.783	0.843



FCC SAR TEST REPORT

Report No. : FA4N0919C

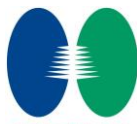
	FR1 n66_Ant 1	40M	BPSK	216	0	Back	10mm	4	349000	1745	21.58	21.90	1.076	0.06	0.668	0.719
	FR1 n66_Ant 1	40M	BPSK	1	1	Left Edge	10mm	4	349000	1745	21.64	21.90	1.062	0.06	0.266	0.282
	FR1 n66_Ant 1	40M	BPSK	108	54	Left Edge	10mm	4	349000	1745	21.58	21.90	1.076	0.01	0.337	0.363
	FR1 n66_Ant 1	40M	BPSK	1	1	Right Edge	10mm	4	349000	1745	21.64	21.90	1.062	0	0.001	0.001
	FR1 n66_Ant 1	40M	BPSK	108	54	Right Edge	10mm	4	349000	1745	21.58	21.90	1.076	0	0.001	0.001
	FR1 n66_Ant 1	40M	BPSK	1	1	Top Edge	10mm	4	349000	1745	21.64	21.90	1.062	-0.04	0.503	0.534
	FR1 n66_Ant 1	40M	BPSK	108	54	Top Edge	10mm	4	349000	1745	21.58	21.90	1.076	0.06	0.678	0.730
	FR1 n66_Ant 5	40M	BPSK	1	1	Front	10mm	4	349000	1745	21.57	22.50	1.239	0.02	0.254	0.315
	FR1 n66_Ant 5	40M	BPSK	108	54	Front	10mm	4	349000	1745	21.53	22.50	1.250	0.03	0.257	0.321
	FR1 n66_Ant 5	40M	BPSK	1	1	Back	10mm	4	349000	1745	21.57	22.50	1.239	0.01	0.352	0.436
	FR1 n66_Ant 5	40M	BPSK	108	54	Back	10mm	4	349000	1745	21.53	22.50	1.250	0	0.392	0.490
	FR1 n66_Ant 5	40M	BPSK	1	1	Left Edge	10mm	4	349000	1745	21.57	22.50	1.239	0.03	0.033	0.041
	FR1 n66_Ant 5	40M	BPSK	108	54	Left Edge	10mm	4	349000	1745	21.53	22.50	1.250	0.02	0.032	0.040
	FR1 n66_Ant 5	40M	BPSK	1	1	Right Edge	10mm	4	349000	1745	21.57	22.50	1.239	-0.01	0.467	0.579
	FR1 n66_Ant 5	40M	BPSK	108	54	Right Edge	10mm	4	349000	1745	21.53	22.50	1.250	0	0.443	0.554
	FR1 n66_Ant 5	40M	BPSK	1	1	Top Edge	10mm	4	349000	1745	21.57	22.50	1.239	-0.01	0.099	0.123
	FR1 n66_Ant 5	40M	BPSK	108	54	Top Edge	10mm	4	349000	1745	21.53	22.50	1.250	0.02	0.109	0.136
	FR1 n70_Ant 2	15M	BPSK	1	1	Front	10mm	4	340500	1702.5	21.53	22.40	1.222	-0.11	0.315	0.385
	FR1 n70_Ant 2	15M	BPSK	36	22	Front	10mm	4	340500	1702.5	21.59	22.40	1.205	-0.12	0.314	0.378
	FR1 n70_Ant 2	15M	BPSK	1	1	Back	0mm	4	340500	1702.5	21.53	22.40	1.222	0.05	0.390	0.477
	FR1 n70_Ant 2	15M	BPSK	36	22	Back	10mm	4	340500	1702.5	21.59	22.40	1.205	0.13	0.386	0.465
	FR1 n70_Ant 2	15M	BPSK	1	1	Left Edge	10mm	4	340500	1702.5	21.53	22.40	1.222	0.02	0.083	0.101
	FR1 n70_Ant 2	15M	BPSK	36	22	Left Edge	10mm	4	340500	1702.5	21.59	22.40	1.205	0.06	0.088	0.106
	FR1 n70_Ant 2	15M	BPSK	1	1	Right Edge	10mm	4	340500	1702.5	21.53	22.40	1.222	-0.03	0.444	0.542
	FR1 n70_Ant 2	15M	BPSK	36	22	Right Edge	10mm	4	340500	1702.5	21.59	22.40	1.205	0.14	0.442	0.533
	FR1 n70_Ant 2	15M	BPSK	1	1	Bottom Edge	10mm	4	340500	1702.5	21.53	22.40	1.222	0.16	0.188	0.230
	FR1 n70_Ant 2	15M	BPSK	36	22	Bottom Edge	10mm	4	340500	1702.5	21.59	22.40	1.205	0.15	0.186	0.224
	FR1 n70_Ant 0	15M	BPSK	1	1	Front	10mm	4	340500	1702.5	18.12	19.50	1.374	0.15	0.346	0.475
	FR1 n70_Ant 0	15M	BPSK	36	22	Front	10mm	4	340500	1702.5	18.12	19.50	1.374	0.12	0.339	0.466
	FR1 n70_Ant 0	15M	BPSK	1	1	Back	10mm	4	340500	1702.5	18.12	19.50	1.374	-0.1	0.431	0.592
	FR1 n70_Ant 0	15M	BPSK	36	22	Back	10mm	4	340500	1702.5	18.12	19.50	1.374	0.02	0.428	0.588
	FR1 n70_Ant 0	15M	BPSK	1	1	Left Edge	10mm	4	340500	1702.5	18.12	19.50	1.374	-0.16	0.082	0.113
	FR1 n70_Ant 0	15M	BPSK	36	22	Left Edge	10mm	4	340500	1702.5	18.12	19.50	1.374	0.12	0.081	0.111
	FR1 n70_Ant 0	15M	BPSK	1	1	Right Edge	10mm	4	340500	1702.5	18.12	19.50	1.374	-0.12	0.001	0.001
	FR1 n70_Ant 0	15M	BPSK	36	22	Right Edge	10mm	4	340500	1702.5	18.12	19.50	1.374	-0.13	0.001	0.001
65	FR1 n70_Ant 0	15M	BPSK	1	1	Bottom Edge	10mm	4	340500	1702.5	18.12	19.50	1.374	0	0.615	0.845
	FR1 n70_Ant 0	15M	BPSK	36	22	Bottom Edge	10mm	4	340500	1702.5	18.12	19.50	1.374	0.05	0.613	0.842
	FR1 n70_Ant 0	15M	BPSK	75	0	Bottom Edge	10mm	4	340500	1702.5	18.11	19.50	1.377	-0.02	0.582	0.802
	FR1 n71_Ant 0	20M	BPSK	1	1	Front	10mm	4	136100	680.5	24.25	25.00	1.189	0.08	0.230	0.273
	FR1 n71_Ant 0	20M	BPSK	50	28	Front	10mm	4	136100	680.5	24.13	25.00	1.222	-0.01	0.250	0.305
	FR1 n71_Ant 0	20M	BPSK	1	1	Back	10mm	4	136100	680.5	24.25	25.00	1.189	0.03	0.244	0.290
	FR1 n71_Ant 0	20M	BPSK	50	28	Back	10mm	4	136100	680.5	24.13	25.00	1.222	0.01	0.269	0.329
66	FR1 n71_Ant 0	20M	BPSK	1	1	Left Edge	10mm	4	136100	680.5	24.25	25.00	1.189	-0.01	0.432	0.513
	FR1 n71_Ant 0	20M	BPSK	50	28	Left Edge	10mm	4	136100	680.5	24.13	25.00	1.222	0.12	0.360	0.440
	FR1 n71_Ant 0	20M	BPSK	1	1	Right Edge	10mm	4	136100	680.5	24.25	25.00	1.189	-0.09	0.221	0.263
	FR1 n71_Ant 0	20M	BPSK	50	28	Right Edge	10mm	4	136100	680.5	24.13	25.00	1.222	-0.06	0.188	0.230
	FR1 n71_Ant 0	20M	BPSK	1	1	Bottom Edge	10mm	4	136100	680.5	24.25	25.00	1.189	0.05	0.187	0.222
	FR1 n71_Ant 0	20M	BPSK	50	28	Bottom Edge	10mm	4	136100	680.5	24.13	25.00	1.222	0.01	0.186	0.227
	FR1 n71_Ant 1	20M	BPSK	1	1	Front	10mm	4	136100	680.5	24.17	25.00	1.211	0.06	0.197	0.238
	FR1 n71_Ant 1	20M	BPSK	50	28	Front	10mm	4	136100	680.5	24.14	25.00	1.219	0.08	0.195	0.238
	FR1 n71_Ant 1	20M	BPSK	1	1	Back	10mm	4	136100	680.5	24.17	25.00	1.211	-0.01	0.251	0.304
	FR1 n71_Ant 1	20M	BPSK	50	28	Back	10mm	4	136100	680.5	24.14	25.00	1.219	0.09	0.225	0.274
	FR1 n71_Ant 1	20M	BPSK	1	1	Left Edge	10mm	4	136100	680.5	24.17	25.00	1.211	0.03	0.221	0.268
	FR1 n71_Ant 1	20M	BPSK	50	28	Left Edge	10mm	4	136100	680.5	24.14	25.00	1.219	0.03	0.181	0.221
	FR1 n71_Ant 1	20M	BPSK	1	1	Right Edge	10mm	4	136100	680.5	24.17	25.00	1.211	0.03	0.086	0.104
	FR1 n71_Ant 1	20M	BPSK	50	28	Right Edge	10mm	4	136100	680.5	24.14	25.00	1.219	-0.08	0.099	0.121



FCC SAR TEST REPORT

Report No. : FA4N0919C

	FR1 n71_Ant 1	20M	BPSK	1	1	Top Edge	10mm	4	136100	680.5	24.17	25.00	1.211	-0.08	0.106	0.128
	FR1 n71_Ant 1	20M	BPSK	50	28	Top Edge	10mm	4	136100	680.5	24.14	25.00	1.219	0.1	0.094	0.115
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	4	656000	3840	19.42	19.50	1.019	-0.1	0.244	0.249
	FR1 n77_Ant 6	100M	BPSK	135	69	Front	10mm	4	656000	3840	19.38	19.50	1.028	0.03	0.230	0.236
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	4	656000	3840	19.42	19.50	1.019	-0.17	0.259	0.264
	FR1 n77_Ant 6	100M	BPSK	135	69	Back	10mm	4	656000	3840	19.38	19.50	1.028	-0.1	0.245	0.252
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	10mm	4	656000	3840	19.42	19.50	1.019	-0.13	0.195	0.199
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Edge	10mm	4	656000	3840	19.38	19.50	1.028	-0.02	0.134	0.138
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Edge	10mm	4	656000	3840	19.42	19.50	1.019	0.03	0.063	0.064
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Edge	10mm	4	656000	3840	19.38	19.50	1.028	-0.09	0.067	0.069
	FR1 n77_Ant 6	100M	BPSK	1	1	Bottom Edge	10mm	4	656000	3840	19.42	19.50	1.019	-0.01	0.499	0.508
	FR1 n77_Ant 6	100M	BPSK	135	69	Bottom Edge	10mm	4	656000	3840	19.38	19.50	1.028	0.1	0.450	0.463
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Bottom Edge	10mm	4	656000	3840	22.34	22.50	1.038	0.12	0.467	0.485
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	4	633332	3499.98	19.36	19.50	1.033	-0.1	0.244	0.252
	FR1 n77_Ant 6	100M	BPSK	135	69	Front	10mm	4	633332	3499.98	19.16	19.50	1.081	0.01	0.205	0.222
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	4	633332	3499.98	19.36	19.50	1.033	0.04	0.451	0.466
	FR1 n77_Ant 6	100M	BPSK	135	69	Back	10mm	4	633332	3499.98	19.16	19.50	1.081	-0.13	0.369	0.399
67	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	10mm	4	633332	3499.98	19.36	19.50	1.033	-0.01	0.676	0.698
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Edge	10mm	4	633332	3499.98	19.16	19.50	1.081	0.02	0.576	0.623
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Edge	10mm	4	633332	3499.98	19.36	19.50	1.033	-0.02	0.001	0.001
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Edge	10mm	4	633332	3499.98	19.16	19.50	1.081	0	0.001	0.001
	FR1 n77_Ant 6	100M	BPSK	1	1	Bottom Edge	10mm	4	633332	3499.98	19.36	19.50	1.033	0	0.399	0.412
	FR1 n77_Ant 6	100M	BPSK	135	69	Bottom Edge	10mm	4	633332	3499.98	19.16	19.50	1.081	0.08	0.358	0.387
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Left Edge	10mm	4	633332	3499.98	22.29	22.50	1.050	-0.04	0.650	0.682
	FR1 n77_Ant 7	100M	BPSK	1	1	Front	10mm	4	656000	3840	18.82	19.10	1.067	-0.18	0.246	0.262
	FR1 n77_Ant 7	100M	BPSK	135	69	Front	10mm	4	656000	3840	18.74	19.10	1.086	-0.05	0.222	0.241
	FR1 n77_Ant 7	100M	BPSK	1	1	Back	10mm	4	656000	3840	18.82	19.10	1.067	-0.08	0.296	0.316
	FR1 n77_Ant 7	100M	BPSK	135	69	Back	10mm	4	656000	3840	18.74	19.10	1.086	-0.08	0.223	0.242
	FR1 n77_Ant 7	100M	BPSK	1	1	Left Edge	10mm	4	656000	3840	18.82	19.10	1.067	0.08	0.009	0.010
	FR1 n77_Ant 7	100M	BPSK	135	69	Left Edge	10mm	4	656000	3840	18.74	19.10	1.086	-0.09	0.008	0.009
	FR1 n77_Ant 7	100M	BPSK	1	1	Right Edge	10mm	4	656000	3840	18.82	19.10	1.067	-0.05	0.501	0.534
	FR1 n77_Ant 7	100M	BPSK	135	69	Right Edge	10mm	4	656000	3840	18.74	19.10	1.086	-0.03	0.462	0.502
	FR1 n77_Ant 7	100M	BPSK	1	1	Bottom Edge	10mm	4	656000	3840	18.82	19.10	1.067	-0.12	0.067	0.071
	FR1 n77_Ant 7	100M	BPSK	135	69	Bottom Edge	10mm	4	656000	3840	18.74	19.10	1.086	0.12	0.050	0.054
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Right Edge	10mm	4	656000	3840	21.75	22.10	1.084	0.02	0.482	0.522
	FR1 n77_Ant 7	100M	BPSK	1	1	Front	10mm	4	633332	3499.98	18.72	19.10	1.091	-0.13	0.213	0.232
	FR1 n77_Ant 7	100M	BPSK	135	69	Front	10mm	4	633332	3499.98	18.64	19.10	1.112	-0.12	0.176	0.196
	FR1 n77_Ant 7	100M	BPSK	1	1	Back	10mm	4	633332	3499.98	18.72	19.10	1.091	-0.1	0.356	0.389
	FR1 n77_Ant 7	100M	BPSK	135	69	Back	10mm	4	633332	3499.98	18.64	19.10	1.112	0.03	0.291	0.324
	FR1 n77_Ant 7	100M	BPSK	1	1	Left Edge	10mm	4	633332	3499.98	18.72	19.10	1.091	0	0.001	0.001
	FR1 n77_Ant 7	100M	BPSK	135	69	Left Edge	10mm	4	633332	3499.98	18.64	19.10	1.112	0	0.001	0.001
	FR1 n77_Ant 7	100M	BPSK	1	1	Right Edge	10mm	4	633332	3499.98	18.72	19.10	1.091	-0.07	0.536	0.585
	FR1 n77_Ant 7	100M	BPSK	135	69	Right Edge	10mm	4	633332	3499.98	18.64	19.10	1.112	0.02	0.460	0.511
	FR1 n77_Ant 7	100M	BPSK	1	1	Bottom Edge	10mm	4	633332	3499.98	18.72	19.10	1.091	-0.12	0.108	0.118
	FR1 n77_Ant 7	100M	BPSK	135	69	Bottom Edge	10mm	4	633332	3499.98	18.64	19.10	1.112	0.13	0.102	0.113
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Right Edge	10mm	4	633332	3499.98	21.79	22.10	1.074	0.11	0.515	0.553
	FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	4	656000	3840	15.96	17.10	1.300	-0.06	0.150	0.195
	FR1 n77_Ant 1	100M	BPSK	135	69	Front	10mm	4	656000	3840	15.89	17.10	1.321	0.02	0.146	0.193
	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	4	656000	3840	15.96	17.10	1.300	-0.01	0.206	0.268
	FR1 n77_Ant 1	100M	BPSK	135	69	Back	10mm	4	656000	3840	15.89	17.10	1.321	0.02	0.200	0.264
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Edge	10mm	4	656000	3840	15.96	17.10	1.300	-0.19	0.328	0.426
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Edge	10mm	4	656000	3840	15.89	17.10	1.321	0.09	0.313	0.414
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Edge	10mm	4	656000	3840	15.96	17.10	1.300	0.02	0.020	0.026
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Edge	10mm	4	656000	3840	15.89	17.10	1.321	-0.01	0.016	0.021
	FR1 n77_Ant 1	100M	BPSK	1	1	Top Edge	10mm	4	656000	3840	15.96	17.10	1.300	0.05	0.065	0.085
	FR1 n77_Ant 1	100M	BPSK	135	69	Top Edge	10mm	4	656000	3840	15.89	17.10	1.321	-0.03	0.040	0.053



FCC SAR TEST REPORT

Report No. : FA4N0919C

FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Left Edge	10mm	4	656000	3840	18.98	20.10	1.294	0.02	0.315	0.408
FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	4	633332	3499.98	16.07	17.10	1.268	0.02	0.060	0.076
FR1 n77_Ant 1	100M	BPSK	135	69	Front	10mm	4	633332	3499.98	15.86	17.10	1.330	-0.01	0.065	0.086
FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	4	633332	3499.98	16.07	17.10	1.268	0.02	0.128	0.162
FR1 n77_Ant 1	100M	BPSK	135	69	Back	10mm	4	633332	3499.98	15.86	17.10	1.330	-0.06	0.105	0.140
FR1 n77_Ant 1	100M	BPSK	1	1	Left Edge	10mm	4	633332	3499.98	16.07	17.10	1.268	0.14	0.137	0.174
FR1 n77_Ant 1	100M	BPSK	135	69	Left Edge	10mm	4	633332	3499.98	15.86	17.10	1.330	0.02	0.123	0.164
FR1 n77_Ant 1	100M	BPSK	1	1	Right Edge	10mm	4	633332	3499.98	16.07	17.10	1.268	-0.06	0.028	0.035
FR1 n77_Ant 1	100M	BPSK	135	69	Right Edge	10mm	4	633332	3499.98	15.86	17.10	1.330	0.04	0.024	0.032
FR1 n77_Ant 1	100M	BPSK	1	1	Top Edge	10mm	4	633332	3499.98	16.07	17.10	1.268	0.08	0.085	0.108
FR1 n77_Ant 1	100M	BPSK	135	69	Top Edge	10mm	4	633332	3499.98	15.86	17.10	1.330	0.08	0.071	0.094
FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Left Edge	10mm	4	633332	3499.98	19.10	20.10	1.259	0.05	0.133	0.167
FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	4	656000	3840	23.05	24.00	1.245	0.09	0.209	0.260
FR1 n77_Ant 5	100M	BPSK	135	69	Front	10mm	4	656000	3840	22.65	24.00	1.365	-0.17	0.204	0.278
FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	4	656000	3840	23.05	24.00	1.245	-0.06	0.356	0.443
FR1 n77_Ant 5	100M	BPSK	135	69	Back	10mm	4	656000	3840	22.65	24.00	1.365	0.04	0.299	0.408
FR1 n77_Ant 5	100M	BPSK	1	1	Left Edge	10mm	4	656000	3840	23.05	24.00	1.245	0.07	0.045	0.056
FR1 n77_Ant 5	100M	BPSK	135	69	Left Edge	10mm	4	656000	3840	22.65	24.00	1.365	0	0.001	0.001
FR1 n77_Ant 5	100M	BPSK	1	1	Right Edge	10mm	4	656000	3840	23.05	24.00	1.245	0.09	0.232	0.289
FR1 n77_Ant 5	100M	BPSK	135	69	Right Edge	10mm	4	656000	3840	22.65	24.00	1.365	-0.14	0.263	0.359
FR1 n77_Ant 5	100M	BPSK	1	1	Top Edge	10mm	4	656000	3840	23.05	24.00	1.245	-0.02	0.094	0.117
FR1 n77_Ant 5	100M	BPSK	135	69	Top Edge	10mm	4	656000	3840	22.65	24.00	1.365	0.02	0.078	0.106
FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Back	10mm	4	656000	3840	24.89	26.50	1.449	0.06	0.280	0.406
FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	4	633332	3499.98	23.19	24.00	1.205	-0.07	0.185	0.223
FR1 n77_Ant 5	100M	BPSK	135	69	Front	10mm	4	633332	3499.98	22.84	24.00	1.306	-0.19	0.171	0.223
FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	4	633332	3499.98	23.19	24.00	1.205	-0.02	0.363	0.437
FR1 n77_Ant 5	100M	BPSK	135	69	Back	10mm	4	633332	3499.98	22.84	24.00	1.306	-0.01	0.329	0.430
FR1 n77_Ant 5	100M	BPSK	1	1	Left Edge	10mm	4	633332	3499.98	23.19	24.00	1.205	0.02	0.130	0.157
FR1 n77_Ant 5	100M	BPSK	135	69	Left Edge	10mm	4	633332	3499.98	22.84	24.00	1.306	-0.04	0.096	0.125
FR1 n77_Ant 5	100M	BPSK	1	1	Right Edge	10mm	4	633332	3499.98	23.19	24.00	1.205	-0.05	0.271	0.327
FR1 n77_Ant 5	100M	BPSK	135	69	Right Edge	10mm	4	633332	3499.98	22.84	24.00	1.306	-0.06	0.232	0.303
FR1 n77_Ant 5	100M	BPSK	1	1	Top Edge	10mm	4	633332	3499.98	23.19	24.00	1.205	0.13	0.324	0.390
FR1 n77_Ant 5	100M	BPSK	135	69	Top Edge	10mm	4	633332	3499.98	22.84	24.00	1.306	0.07	0.293	0.383
FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Back	10mm	4	633332	3499.98	25.26	26.50	1.330	0.05	0.326	0.434

<WLAN SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	7	11	2462	16.81	18.00	1.315	100	1.000	-0.07	0.214	0.281
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	7	11	2462	16.81	18.00	1.315	100	1.000	-0.04	0.239	0.314
	WLAN2.4GHz	802.11b 1Mbps	Left Edge	10mm	Ant 4	7	11	2462	16.81	18.00	1.315	100	1.000	-0.17	0.013	0.017
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	10mm	Ant 4	7	11	2462	16.81	18.00	1.315	100	1.000	0	0.131	0.172
	WLAN2.4GHz	802.11b 1Mbps	Top Edge	10mm	Ant 4	7	11	2462	16.81	18.00	1.315	100	1.000	-0.1	0.200	0.263
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3	7	1	2412	16.99	18.00	1.262	100	1.000	-0.02	0.117	0.148
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	7	1	2412	16.99	18.00	1.262	100	1.000	0	0.131	0.165
	WLAN2.4GHz	802.11b 1Mbps	Left Edge	10mm	Ant 3	7	1	2412	16.99	18.00	1.262	100	1.000	0	0.202	0.255
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	10mm	Ant 3	7	1	2412	16.99	18.00	1.262	100	1.000	-0.11	0.014	0.018
	WLAN2.4GHz	802.11b 1Mbps	Top Edge	10mm	Ant 3	7	1	2412	16.99	18.00	1.262	100	1.000	0	0.032	0.040
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(4)	7	6	2437	16.29	18.00	1.483	99.51	1.005	0.01	0.139	0.207
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(3)	7	6	2437	16.38	18.00	1.452	99.51	1.005	0.04	0.101	0.147
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(4)	7	6	2437	16.29	18.00	1.483	99.51	1.005	-0.17	0.140	0.209
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(3)	7	6	2437	16.38	18.00	1.452	99.51	1.005	-0.17	0.115	0.168
68	WLAN2.4GHz	802.11g 6Mbps	Left Edge	10mm	Ant 4+3(4)	7	6	2437	16.19	18.00	1.517	99.51	1.005	0.02	0.001	0.002
	WLAN2.4GHz	802.11g 6Mbps	Left Edge	10mm	Ant 4+3(3)	7	6	2437	16.38	18.00	1.452	99.51	1.005	0.02	0.227	0.331
	WLAN2.4GHz	802.11g 6Mbps	Right Edge	10mm	Ant 4+3(4)	7	6	2437	16.29	18.00	1.483	99.51	1.005	0.04	0.084	0.125
	WLAN2.4GHz	802.11g 6Mbps	Right Edge	10mm	Ant 4+3(3)	7	6	2437	16.38	18.00	1.452	99.51	1.005	0.04	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Top Edge	10mm	Ant 4+3(4)	7	6	2437	16.29	18.00	1.483	99.51	1.005	0.02	0.134	0.200
	WLAN2.4GHz	802.11g 6Mbps	Top Edge	10mm	Ant 4+3(3)	7	6	2437	16.38	18.00	1.452	99.51	1.005	0.02	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	8	6	2437	14.61	16.50	1.545	100	1.000	-0.01	0.073	0.113
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	8	6	2437	14.61	16.50	1.545	100	1.000	-0.04	0.095	0.147
	WLAN2.4GHz	802.11b 1Mbps	Left Edge	10mm	Ant 4	8	6	2437	14.61	16.50	1.545	100	1.000	0	0.001	0.002
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	10mm	Ant 4	8	6	2437	14.61	16.50	1.545	100	1.000	-0.19	0.045	0.070
	WLAN2.4GHz	802.11b 1Mbps	Top Edge	10mm	Ant 4	8	6	2437	14.61	16.50	1.545	100	1.000	0.05	0.075	0.116
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3	8	6	2437	14.64	16.50	1.535	100	1.000	0.08	0.080	0.123
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	8	6	2437	14.64	16.50	1.535	100	1.000	-0.07	0.085	0.130
	WLAN2.4GHz	802.11b 1Mbps	Left Edge	10mm	Ant 3	8	6	2437	14.64	16.50	1.535	100	1.000	-0.05	0.123	0.189
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	10mm	Ant 3	8	6	2437	14.64	16.50	1.535	100	1.000	0	0.001	0.002
	WLAN2.4GHz	802.11b 1Mbps	Top Edge	10mm	Ant 3	8	6	2437	14.64	16.50	1.535	100	1.000	0.04	0.020	0.031
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(4)	8	6	2437	16.29	16.50	1.050	99.51	1.005	0.01	0.139	0.147
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(3)	8	6	2437	16.38	16.50	1.028	99.51	1.005	0.04	0.101	0.104
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(4)	8	6	2437	16.29	16.50	1.050	99.51	1.005	-0.17	0.140	0.148
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(3)	8	6	2437	16.38	16.50	1.028	99.51	1.005	-0.17	0.115	0.119
	WLAN2.4GHz	802.11g 6Mbps	Left Edge	10mm	Ant 4+3(4)	8	6	2437	16.19	16.50	1.074	99.51	1.005	0.02	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Left Edge	10mm	Ant 4+3(3)	8	6	2437	16.38	16.50	1.028	99.51	1.005	0.02	0.227	0.235
	WLAN2.4GHz	802.11g 6Mbps	Right Edge	10mm	Ant 4+3(4)	8	6	2437	16.29	16.50	1.050	99.51	1.005	0.04	0.084	0.089
	WLAN2.4GHz	802.11g 6Mbps	Right Edge	10mm	Ant 4+3(3)	8	6	2437	16.38	16.50	1.028	99.51	1.005	0.04	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Top Edge	10mm	Ant 4+3(4)	8	6	2437	16.29	16.50	1.050	99.51	1.005	0.02	0.134	0.141
	WLAN2.4GHz	802.11g 6Mbps	Top Edge	10mm	Ant 4+3(3)	8	6	2437	16.38	16.50	1.028	99.51	1.005	0.02	0.001	0.001
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(4)	7	44	5220	18.00	18.00	1.000	99.51	1.005	-0.11	0.099	0.099
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(3)	7	44	5220	16.61	18.00	1.377	99.51	1.005	-0.11	0.167	0.231
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(4)	7	44	5220	18.00	18.00	1.000	99.51	1.005	-0.18	0.212	0.213
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(3)	7	44	5220	16.61	18.00	1.377	99.51	1.005	-0.18	0.169	0.234
69	WLAN5GHz	802.11a 6Mbps	Left Edge	10mm	Ant 4+3(4)	7	44	5220	18.00	18.00	1.000	99.51	1.005	-0.01	0.001	0.001
	WLAN5GHz	802.11a 6Mbps	Left Edge	10mm	Ant 4+3(3)	7	44	5220	16.61	18.00	1.377	99.51	1.005	-0.01	0.287	0.397
	WLAN5GHz	802.11a 6Mbps	Right Edge	10mm	Ant 4+3(4)	7	44	5220	18.00	18.00	1.000	99.51	1.005	-0.13	0.036	0.036
	WLAN5GHz	802.11a 6Mbps	Right Edge	10mm	Ant 4+3(3)	7	44	5220	16.61	18.00	1.377	99.51	1.005	-0.13	0.001	0.001
	WLAN5GHz	802.11a 6Mbps	Top Edge	10mm	Ant 4+3(4)	7	44	5220	18.00	18.00	1.000	99.51	1.005	0	0.242	0.243
	WLAN5GHz	802.11a 6Mbps	Top Edge	10mm	Ant 4+3(3)	7	44	5220	16.61	18.00	1.377	99.51	1.005	0	0.001	0.001



FCC SAR TEST REPORT

Report No. : FA4N0919C

	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(4)	8	44	5220	16.74	17.00	1.062	99.51	1.005	-0.11	0.074	0.079
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(3)	8	44	5220	16.32	17.00	1.169	99.51	1.005	-0.11	0.155	0.182
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(4)	8	44	5220	16.74	17.00	1.062	99.51	1.005	-0.18	0.158	0.169
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(3)	8	44	5220	16.32	17.00	1.169	99.51	1.005	-0.18	0.157	0.185
	WLAN5GHz	802.11a 6Mbps	Left Edge	10mm	Ant 4+3(4)	8	44	5220	16.74	17.00	1.062	99.51	1.005	-0.02	0.001	0.001
	WLAN5GHz	802.11a 6Mbps	Left Edge	10mm	Ant 4+3(3)	8	44	5220	16.32	17.00	1.169	99.51	1.005	-0.02	0.236	0.277
	WLAN5GHz	802.11a 6Mbps	Right Edge	10mm	Ant 4+3(4)	8	44	5220	16.74	17.00	1.062	99.51	1.005	-0.13	0.027	0.029
	WLAN5GHz	802.11a 6Mbps	Right Edge	10mm	Ant 4+3(3)	8	44	5220	16.32	17.00	1.169	99.51	1.005	-0.13	0.001	0.001
	WLAN5GHz	802.11a 6Mbps	Top Edge	10mm	Ant 4+3(4)	8	44	5220	16.74	17.00	1.062	99.51	1.005	0	0.180	0.192
	WLAN5GHz	802.11a 6Mbps	Top Edge	10mm	Ant 4+3(3)	8	44	5220	16.32	17.00	1.169	99.51	1.005	0	0.001	0.001
70	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(4)	7	155	5775	15.41	17.00	1.442	97.87	1.022	-0.06	0.076	0.112
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(3)	7	155	5775	15.17	17.00	1.524	97.87	1.022	-0.06	0.105	0.164
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(4)	7	155	5775	15.41	17.00	1.442	97.87	1.022	-0.18	0.082	0.121
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(3)	7	155	5775	15.17	17.00	1.524	97.87	1.022	-0.18	0.242	0.377
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant 4+3(4)	7	155	5775	15.41	17.00	1.442	97.87	1.022	0	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant 4+3(3)	7	155	5775	15.17	17.00	1.524	97.87	1.022	0	0.168	0.262
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	10mm	Ant 4+3(4)	7	155	5775	15.41	17.00	1.442	97.87	1.022	0.08	0.078	0.115
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	10mm	Ant 4+3(3)	7	155	5775	15.17	17.00	1.524	97.87	1.022	0.08	0.001	0.002
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	10mm	Ant 4+3(4)	7	155	5775	15.41	17.00	1.442	97.87	1.022	-0.14	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	10mm	Ant 4+3(3)	7	155	5775	15.17	17.00	1.524	97.87	1.022	-0.14	0.085	0.132
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(4)	8	155	5775	15.41	15.50	1.021	97.87	1.022	-0.06	0.076	0.079
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(3)	8	155	5775	15.17	15.50	1.079	97.87	1.022	-0.06	0.105	0.116
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(4)	8	155	5775	15.41	15.50	1.021	97.87	1.022	-0.18	0.082	0.086
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(3)	8	155	5775	15.17	15.50	1.079	97.87	1.022	-0.18	0.242	0.267
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant 4+3(4)	8	155	5775	15.41	15.50	1.021	97.87	1.022	0	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant 4+3(3)	8	155	5775	15.17	15.50	1.079	97.87	1.022	0	0.168	0.185
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	10mm	Ant 4+3(4)	8	155	5775	15.41	15.50	1.021	97.87	1.022	0.08	0.078	0.081
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	10mm	Ant 4+3(3)	8	155	5775	15.17	15.50	1.079	97.87	1.022	0.08	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	10mm	Ant 4+3(4)	8	155	5775	15.41	15.50	1.021	97.87	1.022	-0.14	0.085	0.089
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	10mm	Ant 4+3(3)	8	155	5775	15.17	15.50	1.079	97.87	1.022	-0.14	0.001	0.001

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Measured APD (W/m^2)	Reported APD (W/m^2)
71	WLAN6GHz	802.11ax-HE80 MCS0	Front	10mm	Ant 4+3(4)	7/8	215	7025	13.80	14.00	1.047	97.62	1.024	-0.14	0.031	0.033	0.24	0.257
	WLAN6GHz	802.11ax-HE80 MCS0	Front	10mm	Ant 4+3(3)	7/8	215	7025	13.51	14.00	1.119	97.62	1.024	-0.14	0.015	0.017	0.106	0.122
	WLAN6GHz	802.11ax-HE80 MCS0	Back	10mm	Ant 4+3(4)	7/8	215	7025	13.80	14.00	1.047	97.62	1.024	0.01	0.043	0.046	0.36	0.386
	WLAN6GHz	802.11ax-HE80 MCS0	Back	10mm	Ant 4+3(3)	7/8	215	7025	13.51	14.00	1.119	97.62	1.024	0.01	0.028	0.032	0.202	0.232
	WLAN6GHz	802.11ax-HE80 MCS0	Left Edge	10mm	Ant 4+3(4)	7/8	215	7025	13.80	14.00	1.047	97.62	1.024	-0.13	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE80 MCS0	Left Edge	10mm	Ant 4+3(3)	7/8	215	7025	13.51	14.00	1.119	97.62	1.024	-0.13	0.067	0.077	0.467	0.535
	WLAN6GHz	802.11ax-HE80 MCS0	Right Edge	10mm	Ant 4+3(4)	7/8	215	7025	13.80	14.00	1.047	97.62	1.024	0.14	0.026	0.028	0.214	0.229
	WLAN6GHz	802.11ax-HE80 MCS0	Right Edge	10mm	Ant 4+3(3)	7/8	215	7025	13.51	14.00	1.119	97.62	1.024	0.14	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE80 MCS0	Top Edge	10mm	Ant 4+3(4)	7/8	215	7025	13.80	14.00	1.047	97.62	1.024	-0.09	0.033	0.035	0.244	0.262
	WLAN6GHz	802.11ax-HE80 MCS0	Top Edge	10mm	Ant 4+3(3)	7/8	215	7025	13.51	14.00	1.119	97.62	1.024	-0.09	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE80 MCS0	Left Edge	10mm	Ant 4+3(4)	7/8	7	5985	9.77	10.00	1.054	97.62	1.024	-0.17	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE80 MCS0	Left Edge	10mm	Ant 4+3(3)	7/8	7	5985	8.34	10.00	1.466	97.62	1.024	-0.17	0.017	0.026	0.054	0.081
	WLAN6GHz	802.11ax-HE80 MCS0	Left Edge	10mm	Ant 4+3(4)	7/8	71	6305	9.66	10.00	1.081	97.62	1.024	-0.05	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE80 MCS0	Left Edge	10mm	Ant 4+3(3)	7/8	71	6305	9.45	10.00	1.135	97.62	1.024	-0.05	0.025	0.029	0.168	0.195
	WLAN6GHz	802.11ax-HE80 MCS0	Left Edge	10mm	Ant 4+3(4)	7/8	119	6545	11.90	12.00	1.023	97.62	1.024	0.18	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE80 MCS0	Left Edge	10mm	Ant 4+3(3)	7/8	119	6545	11.39	12.00	1.151	97.62	1.024	0.18	0.038	0.045	0.287	0.338
	WLAN6GHz	802.11ax-HE80 MCS0	Left Edge	10mm	Ant 4+3(4)	7/8	167	6785	10.01	11.00	1.256	97.62	1.024	-0.03	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE80 MCS0	Left Edge	10mm	Ant 4+3(3)	7/8	167	6785	10.71	11.00	1.069	97.62	1.024	-0.03	0.056	0.061	0.421	0.461

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	1Mbps	Front	10mm	Ant 4	2	39	2441	20.00	20.50	1.123	77.07	1.081	-0.19	0.211	0.256
	Bluetooth	1Mbps	Back	10mm	Ant 4	2	39	2441	20.00	20.50	1.123	77.07	1.081	-0.14	0.254	0.308
	Bluetooth	1Mbps	Left Edge	10mm	Ant 4	2	39	2441	20.00	20.50	1.123	77.07	1.081	-0.1	0.008	0.010
	Bluetooth	1Mbps	Right Edge	10mm	Ant 4	2	39	2441	20.00	20.50	1.123	77.07	1.081	0	0.124	0.151
	Bluetooth	1Mbps	Top Edge	10mm	Ant 4	2	39	2441	20.00	20.50	1.123	77.07	1.081	0.01	0.189	0.229
	Bluetooth	1Mbps	Front	10mm	Ant 3	2	39	2441	18.99	19.00	1.002	76.96	1.082	-0.03	0.188	0.204
	Bluetooth	1Mbps	Back	10mm	Ant 3	2	39	2441	18.99	19.00	1.002	76.96	1.082	0	0.184	0.200
72	Bluetooth	1Mbps	Left Edge	10mm	Ant 3	2	39	2441	18.99	19.00	1.002	76.96	1.082	-0.06	0.295	0.320
	Bluetooth	1Mbps	Right Edge	10mm	Ant 3	2	39	2441	18.99	19.00	1.002	76.96	1.082	0.06	0.019	0.021
	Bluetooth	1Mbps	Top Edge	10mm	Ant 3	2	39	2441	18.99	19.00	1.002	76.96	1.082	-0.06	0.039	0.042

14.3 Body Worn Accessory SAR
<GSM SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM850_Ant 0	GPRS (4 Tx slots)	Front	10mm	5	189	836.4	28.40	29.80	1.380	-0.01	0.427	0.589
73	GSM850_Ant 0	GPRS (4 Tx slots)	Back	10mm	5	189	836.4	28.40	29.80	1.380	0.02	0.651	0.899
	GSM850_Ant 0	GPRS (4 Tx slots)	Back	10mm	5	128	824.2	28.29	29.80	1.416	0.04	0.608	0.861
	GSM850_Ant 0	GPRS (4 Tx slots)	Back	10mm	5	251	848.8	28.36	29.80	1.393	-0.06	0.531	0.740
	GSM850_Ant 0	GPRS (4 Tx slots)	Front	10mm	6	189	836.4	28.40	29.10	1.175	-0.01	0.427	0.502
	GSM850_Ant 0	GPRS (4 Tx slots)	Back	10mm	6	189	836.4	28.40	29.10	1.175	0.02	0.651	0.765
	GSM850_Ant 1	GPRS (4 Tx slots)	Front	10mm	5	189	836.4	27.14	28.80	1.466	0.03	0.097	0.142
	GSM850_Ant 1	GPRS (4 Tx slots)	Back	10mm	5	189	836.4	27.14	28.80	1.466	-0.03	0.177	0.259
	GSM850_Ant 1	GPRS (4 Tx slots)	Front	10mm	6	189	836.4	27.14	28.10	1.247	0.03	0.097	0.121
	GSM850_Ant 1	GPRS (4 Tx slots)	Back	10mm	6	189	836.4	27.14	28.10	1.247	-0.03	0.177	0.221
	GSM1900_Ant 2	GPRS (4 Tx slots)	Front	10mm	5	661	1880	26.56	27.40	1.213	-0.05	0.472	0.573
	GSM1900_Ant 2	GPRS (4 Tx slots)	Back	10mm	5	661	1880	26.56	27.40	1.213	-0.03	0.451	0.547
	GSM1900_Ant 2	GPRS (4 Tx slots)	Front	10mm	6	661	1880	26.56	27.00	1.107	-0.05	0.472	0.522
	GSM1900_Ant 2	GPRS (4 Tx slots)	Back	10mm	6	661	1880	26.56	27.00	1.107	-0.03	0.451	0.499
	GSM1900_Ant 0	GPRS (4 Tx slots)	Front	10mm	5	661	1880	21.78	23.40	1.452	-0.04	0.472	0.685
	GSM1900_Ant 0	GPRS (4 Tx slots)	Back	10mm	5	661	1880	21.78	23.40	1.452	0.05	0.649	0.942
	GSM1900_Ant 0	GPRS (4 Tx slots)	Back	10mm	5	512	1850.2	21.67	23.40	1.489	0.08	0.544	0.810
74	GSM1900_Ant 0	GPRS (4 Tx slots)	Back	10mm	5	810	1909.8	21.66	23.40	1.493	0.01	0.645	0.963
	GSM1900_Ant 0	GPRS (4 Tx slots)	Front	10mm	6	661	1880	21.78	22.70	1.236	-0.04	0.472	0.583
	GSM1900_Ant 0	GPRS (4 Tx slots)	Back	10mm	6	661	1880	21.78	22.70	1.236	0.05	0.649	0.802
	GSM1900_Ant 0	GPRS (4 Tx slots)	Back	10mm	6	512	1850.2	21.67	22.70	1.268	0.08	0.544	0.690
	GSM1900_Ant 0	GPRS (4 Tx slots)	Back	10mm	6	810	1909.8	21.66	22.70	1.271	0.01	0.645	0.820

<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA II_Ant 2	RMC 12.2Kbps	Front	10mm	5	9400	1880	22.25	23.80	1.429	0.01	0.406	0.580
	WCDMA II_Ant 2	RMC 12.2Kbps	Back	10mm	5	9400	1880	22.25	23.80	1.429	0.01	0.423	0.604
	WCDMA II_Ant 2	RMC 12.2Kbps	Front	10mm	6	9400	1880	22.25	23.10	1.216	0.01	0.406	0.494
	WCDMA II_Ant 2	RMC 12.2Kbps	Back	10mm	6	9400	1880	22.25	23.10	1.216	0.01	0.423	0.514
	WCDMA II_Ant 0	RMC 12.2Kbps	Front	10mm	5	9400	1880	19.03	20.60	1.435	0.01	0.472	0.678
	WCDMA II_Ant 0	RMC 12.2Kbps	Back	10mm	5	9400	1880	19.03	20.60	1.435	0	0.596	0.856
	WCDMA II_Ant 0	RMC 12.2Kbps	Back	10mm	5	9262	1852.4	18.99	20.60	1.449	0.02	0.554	0.803
75	WCDMA II_Ant 0	RMC 12.2Kbps	Back	10mm	5	9538	1907.6	18.89	20.60	1.483	0	0.586	0.869
	WCDMA II_Ant 0	RMC 12.2Kbps	Front	10mm	6	9400	1880	19.03	19.90	1.222	0.01	0.472	0.577
	WCDMA II_Ant 0	RMC 12.2Kbps	Back	10mm	6	9400	1880	19.03	19.90	1.222	0	0.596	0.728
	WCDMA IV_Ant 2	RMC 12.2Kbps	Front	10mm	5	1413	1732.6	21.47	23.20	1.489	0	0.247	0.368
	WCDMA IV_Ant 2	RMC 12.2Kbps	Back	10mm	5	1413	1732.6	21.47	23.20	1.489	-0.01	0.327	0.487
	WCDMA IV_Ant 2	RMC 12.2Kbps	Front	10mm	6	1413	1732.6	21.47	22.50	1.268	0	0.247	0.313
	WCDMA IV_Ant 2	RMC 12.2Kbps	Back	10mm	6	1413	1732.6	21.47	22.50	1.268	-0.01	0.327	0.415
	WCDMA IV_Ant 0	RMC 12.2Kbps	Front	10mm	5	1413	1732.6	19.66	21.20	1.426	-0.02	0.434	0.619
76	WCDMA IV_Ant 0	RMC 12.2Kbps	Back	10mm	5	1413	1732.6	19.66	21.20	1.426	-0.01	0.540	0.770
	WCDMA IV_Ant 0	RMC 12.2Kbps	Front	10mm	6	1413	1732.6	19.66	20.50	1.213	-0.02	0.434	0.527
	WCDMA IV_Ant 0	RMC 12.2Kbps	Back	10mm	6	1413	1732.6	19.66	20.50	1.213	-0.01	0.540	0.655
	WCDMA V_Ant 0	RMC 12.2Kbps	Front	10mm	5/6	4182	836.4	24.49	25.50	1.262	-0.04	0.416	0.525
77	WCDMA V_Ant 0	RMC 12.2Kbps	Back	10mm	5/6	4182	836.4	24.49	25.50	1.262	-0.03	0.603	0.761
	WCDMA V_Ant 1	RMC 12.2Kbps	Front	10mm	5/6	4182	836.4	24.45	25.50	1.274	-0.01	0.173	0.220
	WCDMA V_Ant 1	RMC 12.2Kbps	Back	10mm	5/6	4182	836.4	24.45	25.50	1.274	-0.02	0.292	0.372

<LTE SAR>

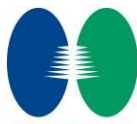
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 7_Ant 2	20M	QPSK	1	0	Front	10mm	5	21100	2535	20.16	21.60	1.393			0.01	0.252	0.351
	LTE Band 7_Ant 2	20M	QPSK	50	0	Front	10mm	5	21100	2535	20.15	21.60	1.396			0.08	0.245	0.342
	LTE Band 7_Ant 2	20M	QPSK	1	0	Back	10mm	5	21100	2535	20.16	21.60	1.393			0.01	0.329	0.458
	LTE Band 7_Ant 2	20M	QPSK	50	0	Back	10mm	5	21100	2535	20.15	21.60	1.396			0.01	0.327	0.457
	CA_7C_Ant 2	20M	QPSK	1	0	Back	10mm	5	21100	2535	19.98	21.60	1.452			0.01	0.311	0.452
	LTE Band 7_Ant 2	20M	QPSK	1	0	Front	10mm	6	21100	2535	20.16	20.90	1.186			0.01	0.252	0.299
	LTE Band 7_Ant 2	20M	QPSK	50	0	Front	10mm	6	21100	2535	20.15	20.90	1.189			0.08	0.245	0.291
	LTE Band 7_Ant 2	20M	QPSK	1	0	Back	10mm	6	21100	2535	20.16	20.90	1.186			0.01	0.329	0.390
	LTE Band 7_Ant 2	20M	QPSK	50	0	Back	10mm	6	21100	2535	20.15	20.90	1.189			0.01	0.327	0.389
	CA_7C_Ant 2	20M	QPSK	1	0	Back	10mm	6	21100	2535	19.98	20.90	1.236			0.01	0.311	0.384
	LTE Band 7_Ant 0	20M	QPSK	1	0	Front	10mm	5	21100	2535	20.28	22.00	1.486			-0.08	0.436	0.648
	LTE Band 7_Ant 0	20M	QPSK	50	0	Front	10mm	5	21100	2535	20.26	22.00	1.493			0.12	0.420	0.627
	LTE Band 7_Ant 0	20M	QPSK	1	0	Back	10mm	5	21100	2535	20.28	22.00	1.486			0.08	0.585	0.869
	LTE Band 7_Ant 0	20M	QPSK	1	0	Back	10mm	5	20850	2510	20.24	22.00	1.500			0.01	0.546	0.819
78	LTE Band 7_Ant 0	20M	QPSK	1	0	Back	10mm	5	21350	2560	20.22	22.00	1.507			0.03	0.603	0.908
	LTE Band 7_Ant 0	20M	QPSK	50	0	Back	10mm	5	21100	2535	20.26	22.00	1.493			0.03	0.565	0.843
	LTE Band 7_Ant 0	20M	QPSK	50	0	Back	10mm	5	20850	2510	20.20	22.00	1.514			-0.08	0.540	0.817
	LTE Band 7_Ant 0	20M	QPSK	50	0	Back	10mm	5	21350	2560	20.25	22.00	1.496			-0.08	0.601	0.899
	LTE Band 7_Ant 0	20M	QPSK	100	0	Back	10mm	5	21100	2535	20.24	22.00	1.500			0.1	0.581	0.871
	CA_7C_Ant 0	20M	QPSK	1	0	Back	10mm	5	21350	2560	20.48	22.00	1.419			0.09	0.621	0.881
	CA_7C_Ant 0	20M	QPSK	1	99	Back	10mm	5	20850	2510	20.26	22.00	1.493			-0.01	0.577	0.861
	CA_7C_Ant 0	20M	QPSK	1	0	Back	10mm	5	21100	2535	20.41	22.00	1.442			0.06	0.545	0.786
	LTE Band 7_Ant 0	20M	QPSK	1	0	Front	10mm	6	21100	2535	20.28	21.30	1.265			-0.08	0.436	0.551



FCC SAR TEST REPORT

Report No. : FA4N0919C

	LTE Band 7_Ant 0	20M	QPSK	50	0	Front	10mm	6	21100	2535	20.26	21.30	1.271			0.12	0.420	0.534
	LTE Band 7_Ant 0	20M	QPSK	1	0	Back	10mm	6	21100	2535	20.28	21.30	1.265			0.08	0.585	0.740
	LTE Band 7_Ant 0	20M	QPSK	50	0	Back	10mm	6	21100	2535	20.26	21.30	1.271			0.03	0.565	0.718
	CA_7C_Ant 0	20M	QPSK	1	0	Back	10mm	6	21100	2560	20.41	21.30	1.227			0.06	0.545	0.669
	LTE Band 7_Ant 0	20M	QPSK	1	0	Back	10mm	6	21100	2535	20.28	21.30	1.265			0.01	0.565	0.715
79	LTE Band 12_Ant 0	10M	QPSK	1	0	Front	10mm	5/6	23095	707.5	24.36	25.00	1.159			0.01	0.356	0.413
	LTE Band 12_Ant 0	10M	QPSK	25	0	Front	10mm	5/6	23095	707.5	23.38	24.00	1.153			0.02	0.310	0.358
	LTE Band 12_Ant 0	10M	QPSK	1	0	Back	10mm	5/6	23095	707.5	24.36	25.00	1.159			0.01	0.274	0.318
	LTE Band 12_Ant 0	10M	QPSK	25	0	Back	10mm	5/6	23095	707.5	23.38	24.00	1.153			0.06	0.217	0.250
	LTE Band 12_Ant 1	10M	QPSK	1	0	Front	10mm	5/6	23095	707.5	24.05	25.00	1.245			-0.01	0.172	0.214
	LTE Band 12_Ant 1	10M	QPSK	25	0	Front	10mm	5/6	23095	707.5	23.03	24.00	1.250			0.03	0.142	0.178
	LTE Band 12_Ant 1	10M	QPSK	1	0	Back	10mm	5/6	23095	707.5	24.05	25.00	1.245			0	0.219	0.273
	LTE Band 12_Ant 1	10M	QPSK	25	0	Back	10mm	5/6	23095	707.5	23.03	24.00	1.250			-0.08	0.179	0.224
80	LTE Band 13_Ant 0	10M	QPSK	1	0	Front	10mm	5/6	23230	782	24.14	25.00	1.219			-0.01	0.321	0.391
	LTE Band 13_Ant 0	10M	QPSK	25	0	Front	10mm	5/6	23230	782	23.12	24.00	1.225			0.01	0.264	0.323
	LTE Band 13_Ant 0	10M	QPSK	1	0	Back	10mm	5/6	23230	782	24.14	25.00	1.219			-0.17	0.313	0.382
	LTE Band 13_Ant 0	10M	QPSK	25	0	Back	10mm	5/6	23230	782	23.12	24.00	1.225			0.02	0.261	0.320
	LTE Band 13_Ant 1	10M	QPSK	1	0	Front	10mm	5/6	23230	782	23.96	25.00	1.271			0	0.244	0.310
	LTE Band 13_Ant 1	10M	QPSK	25	0	Front	10mm	5/6	23230	782	22.96	24.00	1.271			-0.15	0.187	0.238
	LTE Band 13_Ant 1	10M	QPSK	1	0	Back	10mm	5/6	23230	782	23.96	25.00	1.271			0	0.231	0.294
	LTE Band 13_Ant 1	10M	QPSK	25	0	Back	10mm	5/6	23230	782	22.96	24.00	1.271			0.05	0.183	0.233
	LTE Band 14_Ant 0	10M	QPSK	1	0	Front	10mm	5/6	23330	793	24.04	25.00	1.247			-0.01	0.278	0.347
	LTE Band 14_Ant 0	10M	QPSK	25	0	Front	10mm	5/6	23330	793	23.03	24.00	1.250			-0.1	0.236	0.295
81	LTE Band 14_Ant 0	10M	QPSK	1	0	Back	10mm	5/6	23330	793	24.04	25.00	1.247			0	0.356	0.444
	LTE Band 14_Ant 0	10M	QPSK	25	0	Back	10mm	5/6	23330	793	23.03	24.00	1.250			0.02	0.282	0.353
	LTE Band 14_Ant 1	10M	QPSK	1	0	Front	10mm	5/6	23330	793	23.85	25.00	1.303			0	0.233	0.304
	LTE Band 14_Ant 1	10M	QPSK	25	0	Front	10mm	5/6	23330	793	22.84	24.00	1.306			-0.04	0.155	0.202
	LTE Band 14_Ant 1	10M	QPSK	1	0	Back	10mm	5/6	23330	793	23.85	25.00	1.303			-0.02	0.202	0.263
	LTE Band 14_Ant 1	10M	QPSK	25	0	Back	10mm	5/6	23330	793	22.84	24.00	1.306			0.17	0.161	0.210
	LTE Band 25_Ant 2	20M	QPSK	1	0	Front	10mm	5	26340	1880	20.11	21.80	1.476			-0.03	0.200	0.295
	LTE Band 25_Ant 2	20M	QPSK	50	0	Front	10mm	5	26340	1880	20.06	21.80	1.493			0.01	0.195	0.291
	LTE Band 25_Ant 2	20M	QPSK	1	0	Back	10mm	5	26340	1880	20.11	21.80	1.476			0.02	0.269	0.397
	LTE Band 25_Ant 2	20M	QPSK	50	0	Back	10mm	5	26340	1880	20.06	21.80	1.493			0.17	0.260	0.388
	LTE Band 25_Ant 2	20M	QPSK	1	0	Front	10mm	6	26340	1880	20.11	21.10	1.256			-0.03	0.200	0.251
	LTE Band 25_Ant 2	20M	QPSK	50	0	Front	10mm	6	26340	1880	20.06	21.10	1.271			0.01	0.195	0.248
	LTE Band 25_Ant 2	20M	QPSK	1	0	Back	10mm	6	26340	1880	20.11	21.10	1.256			0.02	0.269	0.338
	LTE Band 25_Ant 2	20M	QPSK	50	0	Back	10mm	6	26340	1880	20.06	21.10	1.271			0.17	0.260	0.330
	LTE Band 25_Ant 0	20M	QPSK	1	0	Front	10mm	5	26340	1880	18.55	20.20	1.462			-0.15	0.509	0.744
	LTE Band 25_Ant 0	20M	QPSK	50	0	Front	10mm	5	26340	1880	18.55	20.20	1.462			0.1	0.502	0.734
	LTE Band 25_Ant 0	20M	QPSK	1	0	Back	10mm	5	26340	1880	18.55	20.20	1.462			-0.18	0.646	0.945
	LTE Band 25_Ant 0	20M	QPSK	1	0	Back	10mm	5	26140	1860	18.49	20.20	1.483			0.1	0.591	0.876
82	LTE Band 25_Ant 0	20M	QPSK	1	0	Back	10mm	5	26590	1905	18.44	20.20	1.500			-0.07	0.657	0.985
	LTE Band 25_Ant 0	20M	QPSK	50	0	Back	10mm	5	26340	1880	18.55	20.20	1.462			0.12	0.631	0.923
	LTE Band 25_Ant 0	20M	QPSK	50	0	Back	10mm	5	26140	1860	18.49	20.20	1.483			0.08	0.610	0.904
	LTE Band 25_Ant 0	20M	QPSK	50	0	Back	10mm	5	26590	1905	18.45	20.20	1.496			-0.17	0.653	0.977
	LTE Band 25_Ant 0	20M	QPSK	100	0	Back	10mm	5	26590	1905	18.45	20.20	1.496			-0.03	0.644	0.964
	LTE Band 25_Ant 0	20M	QPSK	1	0	Front	10mm	6	26340	1880	18.55	19.50	1.245			-0.15	0.509	0.633
	LTE Band 25_Ant 0	20M	QPSK	50	0	Front	10mm	6	26340	1880	18.55	19.50	1.245			0.1	0.502	0.625
	LTE Band 25_Ant 0	20M	QPSK	1	0	Back	10mm	6	26340	1880	18.55	19.50	1.245			-0.18	0.646	0.804
	LTE Band 25_Ant 0	20M	QPSK	1	0	Back	10mm	6	26140	1860	18.49	19.50	1.262			0.1	0.591	0.746
	LTE Band 25_Ant 0	20M	QPSK	1	0	Back	10mm	6	26590	1905	18.44	19.50	1.276			-0.07	0.657	0.839
	LTE Band 25_Ant 0	20M	QPSK	50	0	Back	10mm	6	26340	1880	18.55	19.50	1.245			0.12	0.631	0.785
	LTE Band 25_Ant 0	20M	QPSK	100	0	Back	10mm	6	26590	1905	18.45	19.50	1.274			-0.03	0.644	0.820
	LTE Band 25_Ant 1	20M	QPSK	1	0	Front	10mm	5	26340	1880	21.46	22.50	1.271			0.02	0.244	0.310
	LTE Band 25_Ant 1	20M	QPSK	50	0	Front	10mm	5	26340	1880	21.44	22.50	1.276			-0.09	0.254	0.324



FCC SAR TEST REPORT

Report No. : FA4N0919C

	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	10mm	5	26340	1880	21.46	22.50	1.271			0.05	0.295	0.375
	LTE Band 25_Ant 1	20M	QPSK	50	0	Back	10mm	5	26340	1880	21.44	22.50	1.276			0.1	0.309	0.394
	LTE Band 25_Ant 1	20M	QPSK	1	0	Front	10mm	6	26340	1880	21.46	21.80	1.081			0.02	0.244	0.264
	LTE Band 25_Ant 1	20M	QPSK	50	0	Front	10mm	6	26340	1880	21.44	21.80	1.086			-0.09	0.254	0.276
	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	10mm	6	26340	1880	21.46	21.80	1.081			0.05	0.295	0.319
	LTE Band 25_Ant 1	20M	QPSK	50	0	Back	10mm	6	26340	1880	21.44	21.80	1.086			0.1	0.309	0.336
	LTE Band 25_Ant 5	20M	QPSK	1	0	Front	10mm	5	26340	1880	21.58	23.20	1.452			0.01	0.274	0.398
	LTE Band 25_Ant 5	20M	QPSK	50	0	Front	10mm	5	26340	1880	21.50	23.20	1.479			0.01	0.277	0.410
	LTE Band 25_Ant 5	20M	QPSK	1	0	Back	10mm	5	26340	1880	21.58	23.20	1.452			0.01	0.349	0.507
	LTE Band 25_Ant 5	20M	QPSK	50	0	Back	10mm	5	26340	1880	21.50	23.20	1.479			0	0.352	0.521
	LTE Band 25_Ant 5	20M	QPSK	1	0	Front	10mm	6	26340	1880	21.58	22.50	1.236			0.01	0.274	0.339
	LTE Band 25_Ant 5	20M	QPSK	50	0	Front	10mm	6	26340	1880	21.50	22.50	1.259			0.01	0.277	0.349
	LTE Band 25_Ant 5	20M	QPSK	1	0	Back	10mm	6	26340	1880	21.58	22.50	1.236			0.01	0.349	0.431
	LTE Band 25_Ant 5	20M	QPSK	50	0	Back	10mm	6	26340	1880	21.50	22.50	1.259			0	0.352	0.443
	LTE Band 26_Ant 0	15M	QPSK	1	0	Front	10mm	5/6	26865	831.5	24.03	25.00	1.250			-0.01	0.328	0.410
	LTE Band 26_Ant 0	15M	QPSK	36	0	Front	10mm	5/6	26865	831.5	23.04	24.00	1.247			-0.06	0.285	0.356
83	LTE Band 26_Ant 0	15M	QPSK	1	0	Back	10mm	5/6	26865	831.5	24.03	25.00	1.250			0.01	0.485	0.606
	LTE Band 26_Ant 0	15M	QPSK	36	0	Back	10mm	5/6	26865	831.5	23.04	24.00	1.247			0.14	0.375	0.468
	CA_5B_Ant 0	10M	QPSK	1	0	Back	10mm	5/6	20574	841.4	22.73	24.00	1.340			0.08	0.359	0.481
	LTE Band 26_Ant 1	15M	QPSK	1	0	Front	10mm	5/6	26865	831.5	23.73	25.00	1.340			0.03	0.152	0.204
	LTE Band 26_Ant 1	15M	QPSK	36	0	Front	10mm	5/6	26865	831.5	22.71	24.00	1.346			-0.11	0.129	0.174
	LTE Band 26_Ant 1	15M	QPSK	1	0	Back	10mm	5/6	26865	831.5	23.73	25.00	1.340			0.01	0.203	0.272
	LTE Band 26_Ant 1	15M	QPSK	36	0	Back	10mm	5/6	26865	831.5	22.71	24.00	1.346			0.03	0.147	0.198
	CA_5B_Ant 1	10M	QPSK	1	0	Back	10mm	5/6	20574	841.4	22.39	24.00	1.449			0.02	0.184	0.267
	LTE Band 30_Ant 2	10M	QPSK	1	0	Front	10mm	5	27710	2310	19.58	21.20	1.452			-0.01	0.272	0.395
	LTE Band 30_Ant 2	10M	QPSK	25	0	Front	10mm	5	27710	2310	19.52	21.20	1.472			0.05	0.265	0.390
	LTE Band 30_Ant 2	10M	QPSK	1	0	Back	10mm	5	27710	2310	19.58	21.20	1.452			-0.06	0.303	0.440
	LTE Band 30_Ant 2	10M	QPSK	25	0	Back	10mm	5	27710	2310	19.52	21.20	1.472			0.16	0.298	0.439
	LTE Band 30_Ant 2	10M	QPSK	1	0	Front	10mm	6	27710	2310	19.58	20.50	1.236			-0.01	0.272	0.336
	LTE Band 30_Ant 2	10M	QPSK	25	0	Front	10mm	6	27710	2310	19.52	20.50	1.253			0.05	0.265	0.332
	LTE Band 30_Ant 2	10M	QPSK	1	0	Back	10mm	6	27710	2310	19.58	20.50	1.236			-0.06	0.303	0.374
	LTE Band 30_Ant 2	10M	QPSK	25	0	Back	10mm	6	27710	2310	19.52	20.50	1.253			0.16	0.298	0.373
	LTE Band 30_Ant 0	10M	QPSK	1	0	Front	10mm	5	27710	2310	19.38	21.20	1.521			-0.12	0.416	0.633
	LTE Band 30_Ant 0	10M	QPSK	25	0	Front	10mm	5	27710	2310	19.26	21.20	1.563			0.11	0.389	0.608
84	LTE Band 30_Ant 0	10M	QPSK	1	0	Back	10mm	5	27710	2310	19.38	21.20	1.521			-0.14	0.498	0.757
	LTE Band 30_Ant 0	10M	QPSK	25	0	Back	10mm	5	27710	2310	19.26	21.20	1.563			0.02	0.483	0.755
	LTE Band 30_Ant 0	10M	QPSK	1	0	Front	10mm	6	27710	2310	19.38	20.50	1.294			-0.12	0.416	0.538
	LTE Band 30_Ant 0	10M	QPSK	25	0	Front	10mm	6	27710	2310	19.26	20.50	1.330			0.11	0.389	0.518
	LTE Band 30_Ant 0	10M	QPSK	1	0	Back	10mm	6	27710	2310	19.38	20.50	1.294			-0.14	0.498	0.645
	LTE Band 30_Ant 0	10M	QPSK	25	0	Back	10mm	6	27710	2310	19.26	20.50	1.330			0.02	0.483	0.643
	LTE Band 38_Ant 2	20M	QPSK	1	0	Front	10mm	5	38000	2595	21.60	22.70	1.288	62.9	1.006	0.04	0.329	0.426
	LTE Band 38_Ant 2	20M	QPSK	50	0	Front	10mm	5	38000	2595	21.59	22.70	1.291	62.9	1.006	0.02	0.321	0.417
85	LTE Band 38_Ant 2	20M	QPSK	1	0	Back	10mm	5	38000	2595	21.60	22.70	1.288	62.9	1.006	-0.02	0.330	0.428
	LTE Band 38_Ant 2	20M	QPSK	50	0	Back	10mm	5	38000	2595	21.59	22.70	1.291	62.9	1.006	0.01	0.322	0.418
	LTE Band 38_HPUE_Ant 2	20M	QPSK	1	0	Back	10mm	5	38000	2595	23.02	24.20	1.312	62.9	1.006	0.02	0.300	0.396
	CA_38C_Ant 2	20M	QPSK	1	0	Back	10mm	5	38000	2595	21.70	22.70	1.259	62.9	1.006	-0.02	0.322	0.408
	LTE Band 38_Ant 2	20M	QPSK	1	0	Front	10mm	6	38000	2595	21.60	22.00	1.096	62.9	1.006	0.04	0.329	0.363
	LTE Band 38_Ant 2	20M	QPSK	50	0	Front	10mm	6	38000	2595	21.59	22.00	1.099	62.9	1.006	0.02	0.321	0.355
	LTE Band 38_Ant 2	20M	QPSK	1	0	Back	10mm	6	38000	2595	21.60	22.00	1.096	62.9	1.006	-0.02	0.330	0.364
	LTE Band 38_Ant 2	20M	QPSK	50	0	Back	10mm	6	38000	2595	21.59	22.00	1.099	62.9	1.006	0.01	0.322	0.356
	LTE Band 38_HPUE_Ant 2	20M	QPSK	1	0	Back	10mm	6	38000	2595	23.02	23.50	1.117	62.9	1.006	0.02	0.300	0.337
	CA_38C_Ant 2	20M	QPSK	1	0	Back	10mm	6	38000	2595	21.70	22.00	1.072	62.9	1.006	-0.02	0.284	0.306
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	5	40620	2593	21.62	22.70	1.282	62.9	1.006	0.03	0.321	0.414
	LTE Band 41_Ant 2	20M	QPSK	50	0	Front	10mm	5	40620	2593	21.56	22.70	1.300	62.9	1.006	0.08	0.312	0.408
	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	5	40620	2593	21.62	22.70	1.282	62.9	1.006	0.01	0.357	0.461



FCC SAR TEST REPORT

Report No. : FA4N0919C

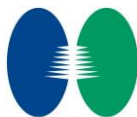
	LTE Band 41_Ant 2	20M	QPSK	50	0	Back	10mm	5	40620	2593	21.56	22.70	1.300	62.9	1.006	-0.01	0.353	0.462
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Back	10mm	5	40620	2593	23.06	24.20	1.300	42.9	1.009	0.02	0.338	0.443
	CA_41C_Ant 2	20M	QPSK	1	0	Back	10mm	5	40620	2593	21.71	22.70	1.256	62.9	1.006	0.05	0.344	0.435
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	6	40620	2593	21.62	22.00	1.091	62.9	1.006	0.03	0.321	0.352
	LTE Band 41_Ant 2	20M	QPSK	50	0	Front	10mm	6	40620	2593	21.56	22.00	1.107	62.9	1.006	0.08	0.312	0.347
	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	6	40620	2593	21.62	22.00	1.091	62.9	1.006	0.01	0.357	0.392
	LTE Band 41_Ant 2	20M	QPSK	50	0	Back	10mm	6	40620	2593	21.56	22.00	1.107	62.9	1.006	-0.01	0.353	0.393
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Back	10mm	6	40620	2593	23.06	23.50	1.107	42.9	1.009	0.02	0.338	0.377
	CA_41C_Ant 2	20M	QPSK	1	0	Back	10mm	6	40620	2593	21.71	22.00	1.069	62.9	1.006	0.05	0.344	0.370
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	5	40620	2593	22.58	24.10	1.419	62.9	1.006	-0.01	0.442	0.631
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	5	39750	2506	22.49	24.10	1.449	62.9	1.006	0.06	0.397	0.579
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	5	40185	2549.5	22.49	24.10	1.449	62.9	1.006	-0.08	0.403	0.587
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	5	41055	2636.5	22.54	24.10	1.432	62.9	1.006	0.13	0.382	0.550
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	5	41490	2680	22.44	24.10	1.466	62.9	1.006	0.12	0.358	0.528
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	5	40620	2593	22.44	24.10	1.466	62.9	1.006	0.03	0.428	0.631
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	5	39750	2506	22.34	24.10	1.500	62.9	1.006	0.18	0.393	0.593
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	5	40185	2549.5	22.35	24.10	1.496	62.9	1.006	-0.1	0.392	0.590
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	5	41055	2636.5	22.40	24.10	1.479	62.9	1.006	0.07	0.379	0.564
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	5	41490	2680	22.25	24.10	1.531	62.9	1.006	0.18	0.354	0.545
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	5	40620	2593	22.58	24.10	1.419	62.9	1.006	-0.1	0.631	0.901
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	5	39750	2506	22.49	24.10	1.449	62.9	1.006	0.01	0.618	0.901
86	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	5	40185	2549.5	22.49	24.10	1.449	62.9	1.006	-0.04	0.668	0.974
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	5	41055	2636.5	22.54	24.10	1.432	62.9	1.006	0.08	0.561	0.808
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	5	41490	2680	22.44	24.10	1.466	62.9	1.006	0.01	0.530	0.781
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	5	40620	2593	22.44	24.10	1.466	62.9	1.006	0.03	0.640	0.944
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	5	39750	2506	22.34	24.10	1.500	62.9	1.006	-0.08	0.621	0.937
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	5	40185	2549.5	22.35	24.10	1.496	62.9	1.006	0.1	0.636	0.957
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	5	41055	2636.5	22.40	24.10	1.479	62.9	1.006	-0.18	0.563	0.838
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	5	41490	2680	22.25	24.10	1.531	62.9	1.006	0.1	0.528	0.813
	LTE Band 41_Ant 0	20M	QPSK	100	0	Back	10mm	5	40620	2593	22.41	24.10	1.476	62.9	1.006	0.12	0.629	0.934
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	5	40620	2593	23.90	25.40	1.413	62.9	1.006	0.08	0.568	0.807
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	5	39750	2506	23.79	25.40	1.449	62.9	1.006	-0.17	0.555	0.809
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	5	40185	2549.5	23.80	25.40	1.445	62.9	1.006	0.14	0.592	0.861
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	5	41055	2636.5	23.82	25.40	1.439	62.9	1.006	0.11	0.505	0.731
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	5	41490	2680	23.82	25.40	1.439	62.9	1.006	-0.05	0.477	0.690
	CA_41C_Ant 0	20M	QPSK	1	0	Back	10mm	5	40620	2593	22.63	24.10	1.403	62.9	1.006	0.01	0.630	0.889
	CA_41C_Ant 0	20M	QPSK	1	99	Back	10mm	5	39750	2506	22.35	24.10	1.496	62.9	1.006	-0.02	0.618	0.930
	CA_41C_Ant 0	20M	QPSK	1	0	Back	10mm	5	40185	2549.5	22.51	24.10	1.442	62.9	1.006	-0.04	0.626	0.908
	CA_41C_Ant 0	20M	QPSK	1	0	Back	10mm	5	41055	2636.5	22.56	24.10	1.426	62.9	1.006	0.01	0.633	0.908
	CA_41C_Ant 0	20M	QPSK	1	0	Back	10mm	5	41490	2680	22.55	24.10	1.429	62.9	1.006	0.02	0.614	0.883
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	6	40620	2593	22.58	23.40	1.208	62.9	1.006	-0.01	0.442	0.537
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	6	40620	2593	22.44	23.40	1.247	62.9	1.006	0.03	0.428	0.537
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	6	40620	2593	22.58	23.40	1.208	62.9	1.006	-0.1	0.631	0.767
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	6	39750	2506	22.49	23.40	1.233	62.9	1.006	0.01	0.618	0.767
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	6	40185	2549.5	22.49	23.40	1.233	62.9	1.006	-0.04	0.668	0.829
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	6	41055	2636.5	22.54	23.40	1.219	62.9	1.006	0.08	0.561	0.688
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	6	41490	2680	22.44	23.40	1.247	62.9	1.006	0.01	0.530	0.665
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	6	40620	2593	22.44	23.40	1.247	62.9	1.006	0.03	0.640	0.803
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	6	39750	2506	22.34	23.40	1.276	62.9	1.006	-0.08	0.621	0.797
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	6	40185	2549.5	22.35	23.40	1.274	62.9	1.006	0.1	0.636	0.815
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	6	41055	2636.5	22.40	23.40	1.259	62.9	1.006	-0.18	0.563	0.713
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	6	41490	2680	22.25	23.40	1.303	62.9	1.006	0.1	0.528	0.692
	LTE Band 41_Ant 0	20M	QPSK	100	0	Back	10mm	6	40620	2593	22.41	23.40	1.256	62.9	1.006	0.12	0.629	0.795
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	6	40620	2593	23.90	24.70	1.202	62.9	1.006	0.08	0.568	0.687
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	6	39750	2506	23.79	24.70	1.233	62.9	1.006	-0.17	0.555	0.688
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	6	40185	2549.5	23.80	24.70	1.230	62.9	1.006	0.14	0.592	0.733



FCC SAR TEST REPORT

Report No. : FA4N0919C

	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	6	41055	2636.5	23.82	24.70	1.225	62.9	1.006	0.11	0.505	0.622
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	6	41490	2680	23.82	24.70	1.225	62.9	1.006	-0.05	0.477	0.588
	CA_41C_Ant 0	20M	QPSK	1	0	Back	10mm	6	40620	2593	22.63	23.40	1.194	62.9	1.006	0.01	0.630	0.757
	CA_41C_Ant 0	20M	QPSK	1	99	Back	10mm	6	39750	2506	22.35	23.40	1.274	62.9	1.006	-0.02	0.618	0.792
	CA_41C_Ant 0	20M	QPSK	1	0	Back	10mm	6	40185	2549.5	22.51	23.40	1.227	62.9	1.006	-0.04	0.626	0.773
	CA_41C_Ant 0	20M	QPSK	1	0	Back	10mm	6	41055	2636.5	22.56	23.40	1.213	62.9	1.006	0.01	0.633	0.773
	CA_41C_Ant 0	20M	QPSK	1	0	Back	10mm	6	41490	2680	22.55	23.40	1.216	62.9	1.006	0.02	0.614	0.751
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	5/6	55830	3609	19.72	21.00	1.343	62.9	1.006	-0.12	0.172	0.232
	LTE Band 48_Ant 6	20M	QPSK	50	0	Front	10mm	5/6	55830	3609	19.71	21.00	1.346	62.9	1.006	0.07	0.168	0.227
	LTE Band 48_Ant 6	20M	QPSK	1	0	Back	10mm	5/6	55830	3609	19.72	21.00	1.343	62.9	1.006	0.03	0.232	0.313
87	LTE Band 48_Ant 6	20M	QPSK	50	0	Back	10mm	5/6	55830	3609	19.71	21.00	1.346	62.9	1.006	-0.12	0.238	0.322
	LTE Band 48_Ant 7	20M	QPSK	1	0	Front	10mm	5	55830	3609	20.51	22.00	1.409	62.9	1.006	0.01	0.150	0.213
	LTE Band 48_Ant 7	20M	QPSK	50	0	Front	10mm	5	55830	3609	20.50	22.00	1.413	62.9	1.006	-0.01	0.196	0.279
	LTE Band 48_Ant 7	20M	QPSK	1	0	Back	10mm	5	55830	3609	20.51	22.00	1.409	62.9	1.006	-0.03	0.218	0.309
	LTE Band 48_Ant 7	20M	QPSK	50	0	Back	10mm	5	55830	3609	20.50	22.00	1.413	62.9	1.006	0.1	0.179	0.254
	LTE Band 48_Ant 7	20M	QPSK	1	0	Front	10mm	6	55830	3609	20.51	21.30	1.199	62.9	1.006	0.01	0.150	0.181
	LTE Band 48_Ant 7	20M	QPSK	50	0	Front	10mm	6	55830	3609	20.50	21.30	1.202	62.9	1.006	-0.01	0.196	0.237
	LTE Band 48_Ant 7	20M	QPSK	1	0	Back	10mm	6	55830	3609	20.51	21.30	1.199	62.9	1.006	-0.03	0.218	0.263
	LTE Band 48_Ant 7	20M	QPSK	50	0	Back	10mm	6	55830	3609	20.50	21.30	1.202	62.9	1.006	0.1	0.179	0.216
	LTE Band 66_Ant 2	20M	QPSK	1	0	Front	10mm	5	132322	1745	21.66	23.00	1.361			0	0.390	0.531
	LTE Band 66_Ant 2	20M	QPSK	50	0	Front	10mm	5	132322	1745	21.65	23.00	1.365			0.08	0.388	0.529
	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	5	132322	1745	21.66	23.00	1.361			0.01	0.434	0.591
	LTE Band 66_Ant 2	20M	QPSK	50	0	Back	10mm	5	132322	1745	21.65	23.00	1.365			0.01	0.428	0.584
	CA_66C_Ant 2	20M	QPSK	1	0	Back	10mm	5	132322	1745	21.88	23.00	1.294			0	0.384	0.497
	CA_66B_Ant 2	15M	QPSK	1	0	Back	10mm	5	132322	1745	21.88	23.00	1.294			0.01	0.382	0.494
	LTE Band 66_Ant 2	20M	QPSK	1	0	Front	10mm	6	132322	1745	21.66	22.30	1.159			0	0.390	0.452
	LTE Band 66_Ant 2	20M	QPSK	50	0	Front	10mm	6	132322	1745	21.65	22.30	1.161			0.08	0.388	0.451
	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	6	132322	1745	21.66	22.30	1.159			0.01	0.434	0.503
	LTE Band 66_Ant 2	20M	QPSK	50	0	Back	10mm	6	132322	1745	21.65	22.30	1.161			0.01	0.428	0.497
	CA_66C_Ant 2	20M	QPSK	1	0	Back	10mm	6	132322	1745	21.88	22.30	1.102			0	0.384	0.423
	CA_66B_Ant 2	15M	QPSK	1	0	Back	10mm	6	132322	1745	21.88	22.30	1.102			0.01	0.382	0.421
	LTE Band 66_Ant 0	20M	QPSK	1	0	Front	10mm	5	132322	1745	18.96	20.70	1.493			-0.19	0.393	0.587
	LTE Band 66_Ant 0	20M	QPSK	50	0	Front	10mm	5	132322	1745	18.96	20.70	1.493			0.08	0.386	0.576
	LTE Band 66_Ant 0	20M	QPSK	1	0	Back	10mm	5	132322	1745	18.96	20.70	1.493			-0.09	0.475	0.709
	LTE Band 66_Ant 0	20M	QPSK	50	0	Back	10mm	5	132322	1745	18.96	20.70	1.493			0.03	0.469	0.700
	CA_66C_Ant 0	20M	QPSK	1	0	Back	10mm	5	132322	1745	18.93	20.70	1.503			0.01	0.466	0.700
	CA_66B_Ant 0	15M	QPSK	1	0	Back	10mm	5	132322	1745	18.76	20.70	1.563			-0.02	0.451	0.705
	LTE Band 66_Ant 0	20M	QPSK	1	0	Front	10mm	6	132322	1745	18.96	20.00	1.271			-0.19	0.393	0.499
	LTE Band 66_Ant 0	20M	QPSK	50	0	Front	10mm	6	132322	1745	18.96	20.00	1.271			0.08	0.386	0.490
	LTE Band 66_Ant 0	20M	QPSK	1	0	Back	10mm	6	132322	1745	18.96	20.00	1.271			-0.09	0.475	0.604
	LTE Band 66_Ant 0	20M	QPSK	50	0	Back	10mm	6	132322	1745	18.96	20.00	1.271			0.03	0.469	0.596
	CA_66C_Ant 0	20M	QPSK	1	0	Back	10mm	6	132322	1745	18.93	20.00	1.279			0.01	0.466	0.596
	CA_66B_Ant 0	15M	QPSK	1	0	Back	10mm	6	132322	1745	18.76	20.00	1.330			-0.02	0.451	0.600
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	10mm	5	132322	1745	20.56	22.20	1.459			0.09	0.292	0.426
	LTE Band 66_Ant 1	20M	QPSK	50	0	Front	10mm	5	132322	1745	20.56	22.20	1.459			0	0.322	0.470
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	10mm	5	132322	1745	20.56	22.20	1.459			0.12	0.551	0.804
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	10mm	5	132072	1720	20.52	22.20	1.472			0.04	0.534	0.786
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	10mm	5	132572	1770	20.48	22.20	1.486			0.08	0.524	0.779
88	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	10mm	5	132322	1745	20.56	22.20	1.459			0	0.559	0.815
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	10mm	5	132072	1720	20.48	22.20	1.486			-0.01	0.548	0.814
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	10mm	5	132572	1770	20.47	22.20	1.489			0.02	0.536	0.798
	LTE Band 66_Ant 1	20M	QPSK	100	0	Back	10mm	5	132322	1745	20.51	22.20	1.476			0.04	0.548	0.809
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	10mm	6	132322	1745	20.56	21.50	1.242			0.09	0.292	0.363
	LTE Band 66_Ant 1	20M	QPSK	50	0	Front	10mm	6	132322	1745	20.56	21.50	1.242			0	0.322	0.400
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	10mm	6	132322	1745	20.56	21.50	1.242			0.12	0.551	0.684



FCC SAR TEST REPORT

Report No. : FA4N0919C

	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	10mm	6	132322	1745	20.56	21.50	1.242			0	0.559	0.694
	LTE Band 66_Ant 5	20M	QPSK	1	0	Front	10mm	5	132322	1745	22.52	24.00	1.406			0.06	0.274	0.385
	LTE Band 66_Ant 5	20M	QPSK	50	0	Front	10mm	5	132322	1745	22.52	23.60	1.282			-0.04	0.307	0.394
	LTE Band 66_Ant 5	20M	QPSK	1	0	Back	10mm	5	132322	1745	22.52	24.00	1.406			-0.12	0.344	0.484
	LTE Band 66_Ant 5	20M	QPSK	50	0	Back	10mm	5	132322	1745	22.52	23.60	1.282			-0.12	0.378	0.485
	LTE Band 66_Ant 5	20M	QPSK	1	0	Front	10mm	6	132322	1745	22.52	23.30	1.197			0.06	0.274	0.328
	LTE Band 66_Ant 5	20M	QPSK	50	0	Front	10mm	6	132322	1745	22.52	23.30	1.197			-0.04	0.307	0.367
	LTE Band 66_Ant 5	20M	QPSK	1	0	Back	10mm	6	132322	1745	22.52	23.30	1.197			-0.12	0.344	0.412
	LTE Band 66_Ant 5	20M	QPSK	50	0	Back	10mm	6	132322	1745	22.52	23.30	1.197			-0.12	0.378	0.452
	LTE Band 71_Ant 0	20M	QPSK	1	0	Front	10mm	5/6	133297	680.5	24.55	25.00	1.109			0.03	0.288	0.319
	LTE Band 71_Ant 0	20M	QPSK	50	0	Front	10mm	5/6	133297	680.5	23.50	24.00	1.122			0.01	0.202	0.227
89	LTE Band 71_Ant 0	20M	QPSK	1	0	Back	10mm	5/6	133297	680.5	24.55	25.00	1.109			0	0.293	0.325
	LTE Band 71_Ant 0	20M	QPSK	50	0	Back	10mm	5/6	133297	680.5	23.50	24.00	1.122			0.03	0.197	0.221
	LTE Band 71_Ant 1	20M	QPSK	1	0	Front	10mm	5/6	133297	680.5	24.05	25.00	1.245			-0.01	0.189	0.235
	LTE Band 71_Ant 1	20M	QPSK	50	0	Front	10mm	5/6	133297	680.5	23.05	24.00	1.245			-0.03	0.142	0.177
	LTE Band 71_Ant 1	20M	QPSK	1	0	Back	10mm	5/6	133297	680.5	24.05	25.00	1.245			-0.01	0.255	0.317
	LTE Band 71_Ant 1	20M	QPSK	50	0	Back	10mm	5/6	133297	680.5	23.05	24.00	1.245			-0.07	0.180	0.224

<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n7_Ant 2	50M	BPSK	1	1	Front	10mm	5	507000	2535	21.32	22.80	1.406	0.01	0.229	0.322
	FR1 n7_Ant 2	50M	BPSK	135	68	Front	10mm	5	507000	2535	21.25	22.80	1.429	0	0.492	0.703
	FR1 n7_Ant 2	50M	BPSK	1	1	Back	10mm	5	507000	2535	21.32	22.80	1.406	0.01	0.331	0.465
	FR1 n7_Ant 2	50M	BPSK	135	68	Back	10mm	5	507000	2535	21.25	22.80	1.429	-0.03	0.418	0.597
	FR1 n7_Ant 2	50M	BPSK	1	1	Front	10mm	6	507000	2535	21.32	22.10	1.197	0.01	0.229	0.274
	FR1 n7_Ant 2	50M	BPSK	135	68	Front	10mm	6	507000	2535	21.25	22.10	1.216	0	0.492	0.598
	FR1 n7_Ant 2	50M	BPSK	1	1	Back	10mm	6	507000	2535	21.32	22.10	1.197	0.01	0.331	0.396
	FR1 n7_Ant 2	50M	BPSK	135	68	Back	10mm	6	507000	2535	21.25	22.10	1.216	-0.03	0.418	0.508
	FR1 n7_Ant 0	50M	BPSK	1	1	Front	10mm	5	507000	2535	19.94	21.60	1.466	0.05	0.480	0.703
	FR1 n7_Ant 0	50M	BPSK	135	68	Front	10mm	5	507000	2535	19.80	21.60	1.514	-0.11	0.483	0.731
	FR1 n7_Ant 0	50M	BPSK	1	1	Back	10mm	5	507000	2535	19.94	21.60	1.466	-0.12	0.637	0.934
90	FR1 n7_Ant 0	50M	BPSK	135	68	Back	10mm	5	507000	2535	19.80	21.60	1.514	0.01	0.654	0.990
	FR1 n7_Ant 0	50M	BPSK	270	0	Back	10mm	5	507000	2535	19.81	21.60	1.510	-0.06	0.640	0.966
	FR1 n7_Ant 0	50M	BPSK	1	1	Front	10mm	6	507000	2535	19.94	20.90	1.247	0.05	0.480	0.599
	FR1 n7_Ant 0	50M	BPSK	135	68	Front	10mm	6	507000	2535	19.80	20.90	1.288	-0.11	0.483	0.622
	FR1 n7_Ant 0	50M	BPSK	1	1	Back	10mm	6	507000	2535	19.94	20.90	1.247	-0.12	0.637	0.795
	FR1 n7_Ant 0	50M	BPSK	135	68	Back	10mm	6	507000	2535	19.80	20.90	1.288	0.01	0.654	0.843
	FR1 n7_Ant 0	50M	BPSK	270	0	Back	10mm	6	507000	2535	19.81	20.90	1.285	0	0.599	0.770
	FR1 n12_Ant 0	15M	BPSK	1	1	Front	10mm	5/6	141500	707.5	24.22	25.00	1.197	0.04	0.288	0.345
	FR1 n12_Ant 0	15M	BPSK	36	22	Front	10mm	5/6	141500	707.5	24.20	25.00	1.202	0.02	0.288	0.346
	FR1 n12_Ant 0	15M	BPSK	1	1	Back	10mm	5/6	141500	707.5	24.22	25.00	1.197	-0.14	0.294	0.352
91	FR1 n12_Ant 0	15M	BPSK	36	22	Back	10mm	5/6	141500	707.5	24.20	25.00	1.202	0.01	0.299	0.359
	FR1 n12_Ant 1	15M	BPSK	1	1	Front	10mm	5/6	141500	707.5	24.13	25.00	1.222	-0.02	0.191	0.233
	FR1 n12_Ant 1	15M	BPSK	36	22	Front	10mm	5/6	141500	707.5	24.09	25.00	1.233	0.08	0.182	0.224
	FR1 n12_Ant 1	15M	BPSK	1	1	Back	10mm	5/6	141500	707.5	24.13	25.00	1.222	0	0.215	0.263
	FR1 n12_Ant 1	15M	BPSK	36	22	Back	10mm	5/6	141500	707.5	24.09	25.00	1.233	0.01	0.206	0.254
	FR1 n14_Ant 0	10M	BPSK	1	1	Front	10mm	5/6	158600	793	23.93	25.00	1.279	-0.01	0.292	0.374
	FR1 n14_Ant 0	10M	BPSK	25	14	Front	10mm	5/6	158600	793	23.88	25.00	1.294	0.06	0.268	0.347
92	FR1 n14_Ant 0	10M	BPSK	1	1	Back	10mm	5/6	158600	793	23.93	25.00	1.279	0.01	0.312	0.399
	FR1 n14_Ant 0	10M	BPSK	25	14	Back	10mm	5/6	158600	793	23.88	25.00	1.294	0.02	0.304	0.393
	FR1 n14_Ant 1	10M	BPSK	1	1	Front	10mm	5/6	158600	793	23.83	25.00	1.309	-0.01	0.211	0.276
	FR1 n14_Ant 1	10M	BPSK	25	14	Front	10mm	5/6	158600	793	23.75	25.00	1.334	0.04	0.206	0.275
	FR1 n14_Ant 1	10M	BPSK	1	1	Back	10mm	5/6	158600	793	23.83	25.00	1.309	-0.04	0.244	0.319
	FR1 n14_Ant 1	10M	BPSK	25	14	Back	10mm	5/6	158600	793	23.75	25.00	1.334	0.02	0.195	0.260
	FR1 n25_Ant 2	40M	BPSK	1	1	Front	10mm	5	376500	1882.5	20.65	22.30	1.462	0.09	0.267	0.390
	FR1 n25_Ant 2	40M	BPSK	108	54	Front	10mm	5	376500	1882.5	20.51	22.30	1.510	0.04	0.255	0.385
	FR1 n25_Ant 2	40M	BPSK	1	1	Back	10mm	5	376500	1882.5	20.65	22.30	1.462	0.01	0.344	0.503
	FR1 n25_Ant 2	40M	BPSK	108	54	Back	10mm	5	376500	1882.5	20.51	22.30	1.510	0.02	0.323	0.488
	FR1 n25_Ant 2	40M	BPSK	1	1	Front	10mm	6	376500	1882.5	20.65	21.60	1.245	0.09	0.267	0.332
	FR1 n25_Ant 2	40M	BPSK	108	54	Front	10mm	6	376500	1882.5	20.51	21.60	1.285	0.04	0.255	0.328
	FR1 n25_Ant 2	40M	BPSK	1	1	Back	10mm	6	376500	1882.5	20.65	21.60	1.245	0.01	0.344	0.428
	FR1 n25_Ant 2	40M	BPSK	108	54	Back	10mm	6	376500	1882.5	20.51	21.60	1.285	0.02	0.323	0.415
	FR1 n25_Ant 0	40M	BPSK	1	1	Front	10mm	5	376500	1882.5	19.34	20.20	1.219	0.02	0.653	0.796
	FR1 n25_Ant 0	40M	BPSK	108	54	Front	10mm	5	376500	1882.5	19.26	20.20	1.242	-0.05	0.671	0.833
	FR1 n25_Ant 0	40M	BPSK	216	0	Front	10mm	5	376500	1882.5	19.28	20.20	1.236	-0.08	0.590	0.729
	FR1 n25_Ant 0	40M	BPSK	1	1	Back	10mm	5	376500	1882.5	19.34	20.20	1.219	0.02	0.743	0.906
	FR1 n25_Ant 0	40M	BPSK	108	54	Back	10mm	5	376500	1882.5	19.26	20.20	1.242	-0.19	0.790	0.981
	FR1 n25_Ant 0	40M	BPSK	216	0	Back	10mm	5	376500	1882.5	19.28	20.20	1.236	0.12	0.695	0.859
	FR1 n25_Ant 0	40M	BPSK	1	1	Front	10mm	6	376500	1882.5	19.34	19.50	1.038	0.02	0.653	0.678
	FR1 n25_Ant 0	40M	BPSK	108	54	Front	10mm	6	376500	1882.5	19.26	19.50	1.057	-0.05	0.671	0.709
	FR1 n25_Ant 0	40M	BPSK	1	1	Back	10mm	6	376500	1882.5	19.34	19.50	1.038	0.02	0.743	0.771



FCC SAR TEST REPORT

Report No. : FA4N0919C

	FR1 n25_Ant 0	40M	BPSK	108	54	Back	10mm	6	376500	1882.5	19.26	19.50	1.057	-0.19	0.790	0.835
	FR1 n25_Ant 0	40M	BPSK	216	0	Back	10mm	6	376500	1882.5	19.28	19.50	1.052	0.12	0.695	0.731
	FR1 n25_Ant 1	40M	BPSK	1	1	Front	10mm	5	376500	1882.5	19.97	21.20	1.327	0.01	0.497	0.660
	FR1 n25_Ant 1	40M	BPSK	108	54	Front	10mm	5	376500	1882.5	20.02	21.20	1.312	0.02	0.432	0.567
93	FR1 n25_Ant 1	40M	BPSK	1	1	Back	10mm	5	376500	1882.5	19.97	21.20	1.327	0	0.746	0.990
	FR1 n25_Ant 1	40M	BPSK	108	54	Back	10mm	5	376500	1882.5	20.02	21.20	1.312	0.01	0.652	0.856
	FR1 n25_Ant 1	40M	BPSK	216	0	Back	10mm	5	376500	1882.5	19.98	21.20	1.324	0.02	0.648	0.858
	FR1 n25_Ant 1	40M	BPSK	1	1	Front	10mm	6	376500	1882.5	19.97	20.50	1.130	0.01	0.497	0.562
	FR1 n25_Ant 1	40M	BPSK	108	54	Front	10mm	6	376500	1882.5	20.02	20.50	1.117	0.02	0.432	0.482
	FR1 n25_Ant 1	40M	BPSK	1	1	Back	10mm	6	376500	1882.5	19.97	20.50	1.130	0	0.746	0.843
	FR1 n25_Ant 1	40M	BPSK	108	54	Back	10mm	6	376500	1882.5	20.02	20.50	1.117	0.01	0.652	0.728
	FR1 n25_Ant 1	40M	BPSK	216	0	Back	10mm	6	376500	1882.5	19.98	20.50	1.127	0.02	0.648	0.730
	FR1 n25_Ant 5	40M	BPSK	1	1	Front	10mm	5	376500	1882.5	21.11	22.50	1.377	0	0.335	0.461
	FR1 n25_Ant 5	40M	BPSK	108	54	Front	10mm	5	376500	1882.5	21.08	22.50	1.387	0	0.336	0.466
	FR1 n25_Ant 5	40M	BPSK	1	1	Back	10mm	5	376500	1882.5	21.11	22.50	1.377	-0.02	0.400	0.551
	FR1 n25_Ant 5	40M	BPSK	108	54	Back	10mm	5	376500	1882.5	21.08	22.50	1.387	0.03	0.404	0.560
	FR1 n25_Ant 5	40M	BPSK	1	1	Front	10mm	6	376500	1882.5	21.11	21.80	1.172	0	0.335	0.393
	FR1 n25_Ant 5	40M	BPSK	108	54	Front	10mm	6	376500	1882.5	21.08	21.80	1.180	0	0.336	0.397
	FR1 n25_Ant 5	40M	BPSK	1	1	Back	10mm	6	376500	1882.5	21.11	21.80	1.172	-0.02	0.400	0.469
	FR1 n25_Ant 5	40M	BPSK	108	54	Back	10mm	6	376500	1882.5	21.08	21.80	1.180	0.03	0.404	0.477
	FR1 n26_Ant 0	20M	BPSK	1	1	Front	10mm	5/6	166300	831.5	23.96	25.00	1.271	0	0.311	0.395
	FR1 n26_Ant 0	20M	BPSK	50	28	Front	10mm	5/6	166300	831.5	23.92	25.00	1.282	-0.02	0.341	0.437
	FR1 n26_Ant 0	20M	BPSK	1	1	Back	10mm	5/6	166300	831.5	23.96	25.00	1.271	0.13	0.461	0.586
94	FR1 n26_Ant 0	20M	BPSK	50	28	Back	10mm	5/6	166300	831.5	23.92	25.00	1.282	0	0.502	0.644
	FR1 n26_Ant 1	20M	BPSK	1	1	Front	10mm	5/6	166300	831.5	23.69	25.00	1.352	-0.01	0.150	0.203
	FR1 n26_Ant 1	20M	BPSK	50	28	Front	10mm	5/6	166300	831.5	23.61	25.00	1.377	-0.18	0.143	0.197
	FR1 n26_Ant 1	20M	BPSK	1	1	Back	10mm	5/6	166300	831.5	23.69	25.00	1.352	0.01	0.248	0.335
	FR1 n26_Ant 1	20M	BPSK	50	28	Back	10mm	5/6	166300	831.5	23.61	25.00	1.377	0.02	0.168	0.231
	FR1 n30_Ant 2	10M	BPSK	1	1	Front	10mm	5	462000	2310	20.44	21.20	1.191	0.12	0.311	0.370
	FR1 n30_Ant 2	10M	BPSK	25	14	Front	10mm	5	462000	2310	20.48	21.20	1.180	0.01	0.334	0.394
	FR1 n30_Ant 2	10M	BPSK	1	1	Back	10mm	5	462000	2310	20.44	21.20	1.191	-0.17	0.347	0.413
	FR1 n30_Ant 2	10M	BPSK	25	14	Back	10mm	5	462000	2310	20.48	21.20	1.180	-0.03	0.363	0.428
	FR1 n30_Ant 2	10M	BPSK	1	1	Front	10mm	6	462000	2310	20.44	20.50	1.014	0.12	0.311	0.315
	FR1 n30_Ant 2	10M	BPSK	25	14	Front	10mm	6	462000	2310	20.48	20.50	1.005	0.01	0.334	0.336
	FR1 n30_Ant 2	10M	BPSK	1	1	Back	10mm	6	462000	2310	20.44	20.50	1.014	-0.17	0.347	0.352
	FR1 n30_Ant 2	10M	BPSK	25	14	Back	10mm	6	462000	2310	20.48	20.50	1.005	-0.03	0.363	0.365
	FR1 n30_Ant 0	10M	BPSK	1	1	Front	10mm	5	462000	2310	20.55	21.50	1.245	0.02	0.487	0.606
	FR1 n30_Ant 0	10M	BPSK	25	14	Front	10mm	5	462000	2310	20.42	21.50	1.282	0.01	0.504	0.646
	FR1 n30_Ant 0	10M	BPSK	1	1	Back	10mm	5	462000	2310	20.55	21.50	1.245	-0.12	0.575	0.716
95	FR1 n30_Ant 0	10M	BPSK	25	14	Back	10mm	5	462000	2310	20.42	21.50	1.282	-0.08	0.592	0.759
	FR1 n30_Ant 0	10M	BPSK	1	1	Front	10mm	6	462000	2310	20.55	21.40	1.216	0.02	0.487	0.592
	FR1 n30_Ant 0	10M	BPSK	25	14	Front	10mm	6	462000	2310	20.42	21.40	1.253	0.01	0.504	0.632
	FR1 n30_Ant 0	10M	BPSK	1	1	Back	10mm	6	462000	2310	20.55	21.40	1.216	-0.12	0.575	0.699
	FR1 n30_Ant 0	10M	BPSK	25	14	Back	10mm	6	462000	2310	20.42	21.40	1.253	-0.08	0.592	0.742
	FR1 n38_Ant 2	40M	BPSK	1	1	Front	10mm	5	519000	2595	20.87	22.50	1.455	0.04	0.430	0.626
	FR1 n38_Ant 2	40M	BPSK	50	28	Front	10mm	5	519000	2595	20.83	22.50	1.469	0.02	0.397	0.583
96	FR1 n38_Ant 2	40M	BPSK	1	1	Back	10mm	5	519000	2595	20.87	22.50	1.455	0	0.471	0.686
	FR1 n38_Ant 2	40M	BPSK	50	28	Back	10mm	5	519000	2595	20.83	22.50	1.469	0.02	0.409	0.601
	FR1 n38_Ant 2	40M	BPSK	1	1	Front	10mm	6	519000	2595	20.87	21.80	1.239	0.04	0.430	0.533
	FR1 n38_Ant 2	40M	BPSK	50	28	Front	10mm	6	519000	2595	20.83	21.80	1.250	0.02	0.397	0.496
	FR1 n38_Ant 2	40M	BPSK	1	1	Back	10mm	6	519000	2595	20.87	21.80	1.239	0	0.471	0.583
	FR1 n38_Ant 2	40M	BPSK	50	28	Back	10mm	6	519000	2595	20.83	21.80	1.250	0.02	0.409	0.511
	FR1 n41_Ant 2	100M	BPSK	1	1	Front	10mm	5	518598	2592.99	21.03	22.50	1.403	-0.01	0.416	0.584
	FR1 n41_Ant 2	100M	BPSK	135	69	Front	10mm	5	518598	2592.99	20.86	22.50	1.459	0.08	0.384	0.560
	FR1 n41_Ant 2	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	21.03	22.50	1.403	-0.01	0.475	0.666



FCC SAR TEST REPORT

Report No. : FA4N0919C

	FR1 n41_Ant 2	100M	BPSK	135	69	Back	10mm	5	518598	2592.99	20.86	22.50	1.459	-0.16	0.412	0.601
	FR1 n41_HPUE_Ant 2	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	24.13	25.50	1.371	0.02	0.460	0.631
	FR1 n41_Ant 2	100M	BPSK	1	1	Front	10mm	6	518598	2592.99	21.03	21.80	1.194	-0.01	0.416	0.497
	FR1 n41_Ant 2	100M	BPSK	135	69	Front	10mm	6	518598	2592.99	20.86	21.80	1.242	0.08	0.384	0.477
	FR1 n41_Ant 2	100M	BPSK	1	1	Back	10mm	6	518598	2592.99	21.03	21.80	1.194	-0.01	0.475	0.567
	FR1 n41_Ant 2	100M	BPSK	135	69	Back	10mm	6	518598	2592.99	20.86	21.80	1.242	-0.16	0.412	0.512
	FR1 n41_HPUE_Ant 2	100M	BPSK	1	1	Back	10mm	6	518598	2592.99	24.13	24.80	1.167	0.02	0.460	0.537
	FR1 n41_Ant 0	100M	BPSK	1	1	Front	10mm	5	518598	2592.99	21.01	22.30	1.346	0.02	0.446	0.600
	FR1 n41_Ant 0	100M	BPSK	135	69	Front	10mm	5	518598	2592.99	20.82	22.30	1.406	-0.11	0.449	0.631
97	FR1 n41_Ant 0	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	21.01	22.30	1.346	0.01	0.722	0.972
	FR1 n41_Ant 0	100M	BPSK	135	69	Back	10mm	5	518598	2592.99	20.82	22.30	1.406	-0.13	0.640	0.900
	FR1 n41_Ant 0	100M	BPSK	270	0	Back	10mm	5	518598	2592.99	20.86	22.30	1.393	0.01	0.612	0.853
	FR1 n41_HPUE_Ant 0	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	24.06	25.20	1.300	0.09	0.669	0.870
	FR1 n41_Ant 0	100M	BPSK	1	1	Front	10mm	6	518598	2592.99	21.01	21.60	1.146	0.02	0.446	0.511
	FR1 n41_Ant 0	100M	BPSK	135	69	Front	10mm	6	518598	2592.99	20.82	21.60	1.197	-0.05	0.449	0.537
	FR1 n41_Ant 0	100M	BPSK	1	1	Back	10mm	6	518598	2592.99	21.01	21.60	1.146	0.01	0.722	0.827
	FR1 n41_Ant 0	100M	BPSK	135	69	Back	10mm	6	518598	2592.99	20.82	21.60	1.197	-0.13	0.640	0.766
	FR1 n41_Ant 0	100M	BPSK	270	0	Back	10mm	6	518598	2592.99	20.86	21.60	1.186	0.01	0.612	0.726
	FR1 n41_HPUE_Ant 0	100M	BPSK	1	1	Back	10mm	6	518598	2592.99	24.06	24.50	1.107	0.09	0.669	0.740
	FR1 n41_Ant 1	100M	BPSK	1	1	Front	10mm	5	518598	2592.99	22.15	22.90	1.189	0.01	0.215	0.256
	FR1 n41_Ant 1	100M	BPSK	135	69	Front	10mm	5	518598	2592.99	21.91	22.90	1.256	0.06	0.386	0.485
	FR1 n41_Ant 1	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	22.15	22.90	1.189	0.09	0.382	0.454
	FR1 n41_Ant 1	100M	BPSK	135	69	Back	10mm	5	518598	2592.99	21.91	22.90	1.256	0.01	0.594	0.746
	FR1 n41_HPUE_Ant 1	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	25.20	25.90	1.175	0.02	0.580	0.681
	FR1 n41_Ant 1	100M	BPSK	1	1	Front	10mm	6	518598	2592.99	22.15	22.20	1.012	0.01	0.215	0.217
	FR1 n41_Ant 1	100M	BPSK	135	69	Front	10mm	6	518598	2592.99	21.91	22.20	1.069	0.06	0.386	0.413
	FR1 n41_Ant 1	100M	BPSK	1	1	Back	10mm	6	518598	2592.99	22.15	22.20	1.012	0.09	0.382	0.386
	FR1 n41_Ant 1	100M	BPSK	135	69	Back	10mm	6	518598	2592.99	21.91	22.20	1.069	0.01	0.594	0.635
	FR1 n41_HPUE_Ant 1	100M	BPSK	1	1	Back	10mm	6	518598	2592.99	25.20	25.20	1.000	0.02	0.580	0.580
	FR1 n41_Ant 5	100M	BPSK	1	1	Front	10mm	5	518598	2592.99	22.34	23.90	1.432	0.09	0.314	0.450
	FR1 n41_Ant 5	100M	BPSK	135	69	Front	10mm	5	518598	2592.99	22.23	23.90	1.469	-0.02	0.490	0.720
	FR1 n41_Ant 5	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	22.34	23.90	1.432	-0.14	0.373	0.534
	FR1 n41_Ant 5	100M	BPSK	135	69	Back	10mm	5	518598	2592.99	22.23	23.90	1.469	-0.04	0.578	0.849
	FR1 n41_Ant 5	100M	BPSK	270	0	Back	10mm	5	518598	2592.99	22.20	23.90	1.479	0.02	0.422	0.624
	FR1 n41_HPUE_Ant 5	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	25.78	26.70	1.236	0.16	0.520	0.643
	FR1 n41_Ant 5	100M	BPSK	1	1	Front	10mm	6	518598	2592.99	22.34	23.20	1.219	0.09	0.314	0.383
	FR1 n41_Ant 5	100M	BPSK	135	69	Front	10mm	6	518598	2592.99	22.23	23.20	1.250	-0.02	0.490	0.613
	FR1 n41_Ant 5	100M	BPSK	1	1	Back	10mm	6	518598	2592.99	22.34	23.20	1.219	-0.14	0.373	0.455
	FR1 n41_Ant 5	100M	BPSK	135	69	Back	10mm	6	518598	2592.99	22.23	23.20	1.250	-0.04	0.578	0.723
	FR1 n41_HPUE_Ant 5	100M	BPSK	1	1	Back	10mm	6	518598	2592.99	25.78	26.00	1.052	0.16	0.520	0.547
	FR1 n48_Ant 6	40M	BPSK	1	1	Front	10mm	5	641666	3624.99	19.24	20.30	1.276	-0.13	0.242	0.309
	FR1 n48_Ant 6	40M	BPSK	50	25	Front	10mm	5	641666	3624.99	19.09	20.30	1.321	0.06	0.236	0.312
	FR1 n48_Ant 6	40M	BPSK	1	1	Back	10mm	5	641666	3624.99	19.24	20.30	1.276	-0.03	0.310	0.396
	FR1 n48_Ant 6	40M	BPSK	50	25	Back	10mm	5	641666	3624.99	19.09	20.30	1.321	-0.15	0.311	0.411
	FR1 n48_Ant 6	40M	BPSK	1	1	Front	10mm	6	641666	3624.99	19.24	19.60	1.086	-0.13	0.242	0.263
	FR1 n48_Ant 6	40M	BPSK	50	25	Front	10mm	6	641666	3624.99	19.09	19.60	1.125	0.06	0.236	0.265
	FR1 n48_Ant 6	40M	BPSK	1	1	Back	10mm	6	641666	3624.99	19.24	19.60	1.086	-0.03	0.310	0.337
	FR1 n48_Ant 6	40M	BPSK	50	25	Back	10mm	6	641666	3624.99	19.09	19.60	1.125	-0.15	0.311	0.350
	FR1 n48_Ant 7	40M	BPSK	1	1	Front	10mm	5	641666	3624.99	18.30	19.80	1.413	-0.12	0.185	0.261
	FR1 n48_Ant 7	40M	BPSK	50	25	Front	10mm	5	641666	3624.985	18.18	19.80	1.452	0.06	0.195	0.283
	FR1 n48_Ant 7	40M	BPSK	1	1	Back	10mm	5	641666	3624.99	18.30	19.80	1.413	-0.16	0.228	0.322
	FR1 n48_Ant 7	40M	BPSK	50	25	Back	10mm	5	641666	3624.985	18.18	19.80	1.452	0	0.252	0.366
	FR1 n48_Ant 7	40M	BPSK	1	1	Front	10mm	6	641666	3624.99	18.30	19.10	1.202	-0.12	0.185	0.222
	FR1 n48_Ant 7	40M	BPSK	50	25	Front	10mm	6	641666	3624.985	18.18	19.10	1.236	0.06	0.195	0.241
	FR1 n48_Ant 7	40M	BPSK	1	1	Back	10mm	6	641666	3624.99	18.30	19.10	1.202	-0.16	0.228	0.274



FCC SAR TEST REPORT

Report No. : FA4N0919C

	FR1 n48_Ant 7	40M	BPSK	50	25	Back	10mm	6	641666	3624.985	18.18	19.10	1.236	0	0.252	0.311
	FR1 n48_Ant 1	40M	BPSK	1	1	Front	10mm	5	641666	3624.99	18.93	20.10	1.309	0.01	0.192	0.251
	FR1 n48_Ant 1	40M	BPSK	50	25	Front	10mm	5	641666	3624.99	18.92	20.10	1.312	-0.07	0.213	0.279
	FR1 n48_Ant 1	40M	BPSK	1	1	Back	10mm	5	641666	3624.99	18.93	20.10	1.309	0.02	0.476	0.623
	FR1 n48_Ant 1	40M	BPSK	1	1	Back	10mm	5	641666	3624.99	18.93	20.10	1.309	0.08	0.456	0.597
	FR1 n48_Ant 1	40M	BPSK	1	1	Back	10mm	5	641666	3624.99	18.93	20.10	1.309	0.03	0.459	0.601
98	FR1 n48_Ant 1	40M	BPSK	50	25	Back	10mm	5	641666	3624.99	18.92	20.10	1.312	0	0.519	0.681
	FR1 n48_Ant 1	40M	BPSK	50	25	Back	10mm	5	641666	3624.99	18.92	20.10	1.312	0.01	0.479	0.629
	FR1 n48_Ant 1	40M	BPSK	50	25	Back	10mm	5	641666	3624.99	18.92	20.10	1.312	-0.08	0.481	0.631
	FR1 n48_Ant 1	40M	BPSK	1	1	Front	10mm	6	641666	3624.99	18.93	19.40	1.114	0.01	0.192	0.214
	FR1 n48_Ant 1	40M	BPSK	50	25	Front	10mm	6	641666	3624.99	18.92	19.40	1.117	-0.07	0.213	0.238
	FR1 n48_Ant 1	40M	BPSK	1	1	Back	10mm	6	641666	3624.99	18.93	19.40	1.114	0.02	0.476	0.530
	FR1 n48_Ant 1	40M	BPSK	50	25	Back	10mm	6	641666	3624.99	18.92	19.40	1.117	0	0.519	0.580
	FR1 n48_Ant 5	40M	BPSK	1	1	Front	10mm	5/6	641666	3624.99	19.36	20.50	1.300	0.02	0.095	0.124
	FR1 n48_Ant 5	20M	BPSK	1	0	Front	10mm	5/6	641666	3624.99	19.72	21.40	1.472	-0.01	0.094	0.138
	FR1 n48_Ant 5	40M	BPSK	50	25	Front	10mm	5/6	641666	3624.99	19.59	21.40	1.517	-0.02	0.099	0.150
	FR1 n48_Ant 5	40M	BPSK	1	1	Back	10mm	5/6	641666	3624.99	19.36	20.50	1.300	0.06	0.164	0.213
	FR1 n48_Ant 5	20M	BPSK	1	0	Back	10mm	5/6	641666	3624.99	19.72	21.40	1.472	0.01	0.157	0.231
	FR1 n48_Ant 5	40M	BPSK	50	25	Back	10mm	5/6	641666	3624.985	19.59	21.40	1.517	0.05	0.170	0.258
	FR1 n66_Ant 2	40M	BPSK	1	1	Front	10mm	5	349000	1745	22.01	23.00	1.256	-0.14	0.308	0.387
	FR1 n66_Ant 2	40M	BPSK	108	54	Front	10mm	5	349000	1745	22.01	23.00	1.256	0.02	0.268	0.337
	FR1 n66_Ant 2	40M	BPSK	1	1	Back	10mm	5	349000	1745	22.01	23.00	1.256	0	0.450	0.565
	FR1 n66_Ant 2	40M	BPSK	108	54	Back	10mm	5	349000	1745	22.01	23.00	1.256	-0.11	0.415	0.521
	FR1 n66_Ant 2	40M	BPSK	1	1	Front	10mm	6	349000	1745	22.01	22.30	1.069	-0.14	0.308	0.329
	FR1 n66_Ant 2	40M	BPSK	108	54	Front	10mm	6	349000	1745	22.01	22.30	1.069	0.02	0.268	0.287
	FR1 n66_Ant 2	40M	BPSK	1	1	Back	10mm	6	349000	1745	22.01	22.30	1.069	0	0.450	0.481
	FR1 n66_Ant 2	40M	BPSK	108	54	Back	10mm	6	349000	1745	22.01	22.30	1.069	-0.11	0.415	0.444
	FR1 n66_Ant 0	40M	BPSK	1	1	Front	10mm	5	349000	1745	19.67	21.20	1.422	-0.12	0.476	0.677
	FR1 n66_Ant 0	40M	BPSK	108	54	Front	10mm	5	349000	1745	19.62	21.20	1.439	0.09	0.451	0.649
	FR1 n66_Ant 0	40M	BPSK	1	1	Back	10mm	5	349000	1745	19.67	21.20	1.422	-0.19	0.586	0.833
	FR1 n66_Ant 0	40M	BPSK	108	54	Back	10mm	5	349000	1745	19.62	21.20	1.439	0.02	0.554	0.797
	FR1 n66_Ant 0	40M	BPSK	216	0	Back	10mm	5	349000	1745	19.59	21.20	1.449	0.02	0.544	0.788
	FR1 n66_Ant 0	40M	BPSK	1	1	Front	10mm	6	349000	1745	19.67	20.50	1.211	-0.12	0.476	0.576
	FR1 n66_Ant 0	40M	BPSK	108	54	Front	10mm	6	349000	1745	19.62	20.50	1.225	0.09	0.451	0.552
	FR1 n66_Ant 0	40M	BPSK	1	1	Back	10mm	6	349000	1745	19.67	20.50	1.211	-0.19	0.586	0.709
	FR1 n66_Ant 0	40M	BPSK	108	54	Back	10mm	6	349000	1745	19.62	20.50	1.225	0.02	0.554	0.678
	FR1 n66_Ant 1	40M	BPSK	1	1	Front	10mm	5	349000	1745	21.64	22.60	1.247	0.06	0.416	0.519
	FR1 n66_Ant 1	40M	BPSK	108	54	Front	10mm	5	349000	1745	21.58	22.60	1.265	0.01	0.571	0.722
	FR1 n66_Ant 1	40M	BPSK	1	1	Back	10mm	5	349000	1745	21.64	22.60	1.247	0.05	0.584	0.728
99	FR1 n66_Ant 1	40M	BPSK	108	54	Back	10mm	5	349000	1745	21.58	22.60	1.265	0.01	0.783	0.990
	FR1 n66_Ant 1	40M	BPSK	216	0	Back	10mm	5	349000	1745	21.58	22.60	1.265	0.06	0.668	0.845
	FR1 n66_Ant 1	40M	BPSK	1	1	Front	10mm	6	349000	1745	21.64	21.90	1.062	0.06	0.416	0.442
	FR1 n66_Ant 1	40M	BPSK	108	54	Front	10mm	6	349000	1745	21.58	21.90	1.076	0.01	0.571	0.615
	FR1 n66_Ant 1	40M	BPSK	1	1	Back	10mm	6	349000	1745	21.64	21.90	1.062	0.05	0.584	0.620
	FR1 n66_Ant 1	40M	BPSK	108	54	Back	10mm	6	349000	1745	21.58	21.90	1.076	0.01	0.783	0.843
	FR1 n66_Ant 1	40M	BPSK	216	0	Back	10mm	6	349000	1745	21.58	21.90	1.076	0.06	0.668	0.719
	FR1 n66_Ant 5	40M	BPSK	1	1	Front	10mm	5	349000	1745	21.57	23.20	1.455	0.02	0.254	0.370
	FR1 n66_Ant 5	40M	BPSK	108	54	Front	10mm	5	349000	1745	21.53	23.20	1.469	0.03	0.257	0.378
	FR1 n66_Ant 5	40M	BPSK	1	1	Back	10mm	5	349000	1745	21.57	23.20	1.455	0.01	0.352	0.512
	FR1 n66_Ant 5	40M	BPSK	108	54	Back	10mm	5	349000	1745	21.53	23.20	1.469	0	0.392	0.576
	FR1 n66_Ant 5	40M	BPSK	1	1	Front	10mm	6	349000	1745	21.57	22.50	1.239	0.02	0.254	0.315
	FR1 n66_Ant 5	40M	BPSK	108	54	Front	10mm	6	349000	1745	21.53	22.50	1.250	0.03	0.257	0.321
	FR1 n66_Ant 5	40M	BPSK	1	1	Back	10mm	6	349000	1745	21.57	22.50	1.239	0.01	0.352	0.436
	FR1 n66_Ant 5	40M	BPSK	108	54	Back	10mm	6	349000	1745	21.53	22.50	1.250	0	0.392	0.490
	FR1 n70_Ant 2	15M	BPSK	1	1	Front	10mm	5	340500	1702.5	21.53	23.10	1.435	-0.11	0.315	0.452



FCC SAR TEST REPORT

Report No. : FA4N0919C

	FR1 n70_Ant 2	15M	BPSK	36	22	Front	10mm	5	340500	1702.5	21.59	23.10	1.416	-0.12	0.314	0.445
	FR1 n70_Ant 2	15M	BPSK	1	1	Back	0mm	5	340500	1702.5	21.53	23.10	1.435	0.05	0.390	0.560
	FR1 n70_Ant 2	15M	BPSK	36	22	Back	10mm	5	340500	1702.5	21.59	23.10	1.416	0.13	0.386	0.546
	FR1 n70_Ant 2	15M	BPSK	1	1	Front	10mm	6	340500	1702.5	21.53	22.40	1.222	-0.11	0.315	0.385
	FR1 n70_Ant 2	15M	BPSK	36	22	Front	10mm	6	340500	1702.5	21.59	22.40	1.205	-0.12	0.314	0.378
	FR1 n70_Ant 2	15M	BPSK	1	1	Back	0mm	6	340500	1702.5	21.53	22.40	1.222	0.05	0.390	0.477
	FR1 n70_Ant 2	15M	BPSK	36	22	Back	10mm	6	340500	1702.5	21.59	22.40	1.205	0.13	0.386	0.465
	FR1 n70_Ant 0	15M	BPSK	1	1	Front	10mm	5	340500	1702.5	19.51	20.90	1.377	-0.11	0.503	0.693
	FR1 n70_Ant 0	15M	BPSK	36	22	Front	10mm	5	340500	1702.5	19.51	20.90	1.377	0.12	0.501	0.690
100	FR1 n70_Ant 0	15M	BPSK	1	1	Back	10mm	5	340500	1702.5	19.51	20.90	1.377	-0.12	0.633	0.872
	FR1 n70_Ant 0	15M	BPSK	36	22	Back	10mm	5	340500	1702.5	19.51	20.90	1.377	0.06	0.626	0.862
	FR1 n70_Ant 0	15M	BPSK	75	0	Back	10mm	5	340500	1702.5	19.50	20.90	1.380	0.03	0.601	0.830
	FR1 n70_Ant 0	15M	BPSK	1	1	Front	10mm	6	340500	1702.5	19.51	20.20	1.172	-0.11	0.503	0.590
	FR1 n70_Ant 0	15M	BPSK	36	22	Front	10mm	6	340500	1702.5	19.51	20.20	1.172	0.12	0.501	0.587
	FR1 n70_Ant 0	15M	BPSK	1	1	Back	10mm	6	340500	1702.5	19.51	20.20	1.172	-0.12	0.633	0.742
	FR1 n70_Ant 0	15M	BPSK	36	22	Back	10mm	6	340500	1702.5	19.51	20.20	1.172	0.06	0.626	0.734
	FR1 n71_Ant 0	20M	BPSK	1	1	Front	10mm	5/6	136100	680.5	24.25	25.00	1.189	0.08	0.230	0.273
	FR1 n71_Ant 0	20M	BPSK	50	28	Front	10mm	5/6	136100	680.5	24.13	25.00	1.222	-0.01	0.250	0.305
	FR1 n71_Ant 0	20M	BPSK	1	1	Back	10mm	5/6	136100	680.5	24.25	25.00	1.189	0.03	0.244	0.290
101	FR1 n71_Ant 0	20M	BPSK	50	28	Back	10mm	5/6	136100	680.5	24.13	25.00	1.222	0.01	0.269	0.329
	FR1 n71_Ant 1	20M	BPSK	1	1	Front	10mm	5/6	136100	680.5	24.17	25.00	1.211	0.06	0.197	0.238
	FR1 n71_Ant 1	20M	BPSK	50	28	Front	10mm	5/6	136100	680.5	24.14	25.00	1.219	0.08	0.195	0.238
	FR1 n71_Ant 1	20M	BPSK	1	1	Back	10mm	5/6	136100	680.5	24.17	25.00	1.211	-0.01	0.251	0.304
	FR1 n71_Ant 1	20M	BPSK	50	28	Back	10mm	5/6	136100	680.5	24.14	25.00	1.219	0.09	0.225	0.274
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	5	656000	3840	19.42	20.40	1.253	-0.1	0.244	0.306
	FR1 n77_Ant 6	100M	BPSK	135	69	Front	10mm	5	656000	3840	19.38	20.40	1.265	0.03	0.230	0.291
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	5	656000	3840	19.42	20.40	1.253	-0.17	0.259	0.325
	FR1 n77_Ant 6	100M	BPSK	135	69	Back	10mm	5	656000	3840	19.38	20.40	1.265	-0.1	0.245	0.310
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Back	10mm	5	656000	3840	22.34	23.40	1.276	0.02	0.222	0.283
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	6	656000	3840	19.42	19.70	1.067	-0.1	0.244	0.260
	FR1 n77_Ant 6	100M	BPSK	135	69	Front	10mm	6	656000	3840	19.38	19.70	1.076	0.03	0.230	0.248
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	6	656000	3840	19.42	19.70	1.067	-0.17	0.259	0.276
	FR1 n77_Ant 6	100M	BPSK	135	69	Back	10mm	6	656000	3840	19.38	19.70	1.076	-0.1	0.245	0.264
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Back	10mm	6	656000	3840	22.34	22.70	1.086	0.02	0.222	0.241
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	5	633332	3499.98	19.36	20.40	1.271	-0.1	0.244	0.310
	FR1 n77_Ant 6	100M	BPSK	135	69	Front	10mm	5	633332	3499.98	19.16	20.40	1.330	0.01	0.205	0.273
102	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	5	633332	3499.98	19.36	20.40	1.271	0.04	0.451	0.573
	FR1 n77_Ant 6	100M	BPSK	135	69	Back	10mm	5	633332	3499.98	19.16	20.40	1.330	-0.13	0.369	0.491
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Back	10mm	5	633332	3499.98	22.29	23.40	1.291	0.02	0.439	0.567
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	6	633332	3499.98	19.36	19.70	1.081	-0.1	0.244	0.264
	FR1 n77_Ant 6	100M	BPSK	135	69	Front	10mm	6	633332	3499.98	19.16	19.70	1.132	0.01	0.205	0.232
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	6	633332	3499.98	19.36	19.70	1.081	0.04	0.451	0.488
	FR1 n77_Ant 6	100M	BPSK	135	69	Back	10mm	6	633332	3499.98	19.16	19.70	1.132	-0.13	0.369	0.418
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Back	10mm	6	633332	3499.98	22.29	22.70	1.099	0.02	0.439	0.482
	FR1 n77_Ant 7	100M	BPSK	1	1	Front	10mm	5	656000	3840	18.82	19.80	1.253	-0.18	0.246	0.308
	FR1 n77_Ant 7	100M	BPSK	135	69	Front	10mm	5	656000	3840	18.74	19.80	1.276	-0.05	0.222	0.283
	FR1 n77_Ant 7	100M	BPSK	1	1	Back	10mm	5	656000	3840	18.82	19.80	1.253	-0.08	0.296	0.371
	FR1 n77_Ant 7	100M	BPSK	135	69	Back	10mm	5	656000	3840	18.74	19.80	1.276	-0.08	0.223	0.285
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Back	10mm	5	656000	3840	21.75	22.80	1.274	0.1	0.286	0.364
	FR1 n77_Ant 7	100M	BPSK	1	1	Front	10mm	6	656000	3840	18.82	19.10	1.067	-0.18	0.246	0.262
	FR1 n77_Ant 7	100M	BPSK	135	69	Front	10mm	6	656000	3840	18.74	19.10	1.086	-0.05	0.222	0.241
	FR1 n77_Ant 7	100M	BPSK	1	1	Back	10mm	6	656000	3840	18.82	19.10	1.067	-0.08	0.296	0.316
	FR1 n77_Ant 7	100M	BPSK	135	69	Back	10mm	6	656000	3840	18.74	19.10	1.086	-0.08	0.223	0.242
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Back	10mm	6	656000	3840	21.75	22.10	1.084	0.1	0.286	0.310
	FR1 n77_Ant 7	100M	BPSK	1	1	Front	10mm	5	633332	3499.98	18.72	19.80	1.282	-0.13	0.213	0.273



FCC SAR TEST REPORT

Report No. : FA4N0919C

	FR1 n77_Ant 7	100M	BPSK	135	69	Front	10mm	5	633332	3499.98	18.64	19.80	1.306	-0.12	0.176	0.230
	FR1 n77_Ant 7	100M	BPSK	1	1	Back	10mm	5	633332	3499.98	18.72	19.80	1.282	-0.1	0.356	0.457
	FR1 n77_Ant 7	100M	BPSK	135	69	Back	10mm	5	633332	3499.98	18.64	19.80	1.306	0.03	0.291	0.380
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Back	10mm	5	633332	3499.98	21.79	22.80	1.262	0.09	0.344	0.434
	FR1 n77_Ant 7	100M	BPSK	1	1	Front	10mm	6	633332	3499.98	18.72	19.10	1.091	-0.13	0.213	0.232
	FR1 n77_Ant 7	100M	BPSK	135	69	Front	10mm	6	633332	3499.98	18.64	19.10	1.112	-0.12	0.176	0.196
	FR1 n77_Ant 7	100M	BPSK	1	1	Back	10mm	6	633332	3499.98	18.72	19.10	1.091	-0.1	0.356	0.389
	FR1 n77_Ant 7	100M	BPSK	135	69	Back	10mm	6	633332	3499.98	18.64	19.10	1.112	0.03	0.291	0.324
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Back	10mm	6	633332	3499.98	21.79	22.10	1.074	0.09	0.344	0.369
	FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	5	656000	3840	19.08	20.00	1.236	-0.11	0.303	0.374
	FR1 n77_Ant 1	100M	BPSK	135	69	Front	10mm	5	656000	3840	19.01	20.00	1.256	-0.04	0.298	0.374
	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	5	656000	3840	19.08	20.00	1.236	-0.1	0.426	0.527
	FR1 n77_Ant 1	100M	BPSK	135	69	Back	10mm	5	656000	3840	19.01	20.00	1.256	-0.01	0.415	0.521
	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Back	10mm	5	656000	3840	22.19	23.00	1.205	0.14	0.402	0.484
	FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	6	656000	3840	19.08	19.30	1.052	-0.11	0.303	0.319
	FR1 n77_Ant 1	100M	BPSK	135	69	Front	10mm	6	656000	3840	19.01	19.30	1.069	-0.04	0.298	0.319
	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	6	656000	3840	19.08	19.30	1.052	-0.1	0.426	0.448
	FR1 n77_Ant 1	100M	BPSK	135	69	Back	10mm	6	656000	3840	19.01	19.30	1.069	-0.01	0.415	0.444
	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Back	10mm	6	656000	3840	22.19	22.30	1.026	0.14	0.402	0.412
	FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	5	633332	3499.98	19.13	20.00	1.222	0.05	0.120	0.147
	FR1 n77_Ant 1	100M	BPSK	135	69	Front	10mm	5	633332	3499.98	18.95	20.00	1.274	0.15	0.131	0.167
	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	5	633332	3499.98	19.13	20.00	1.222	-0.15	0.262	0.320
	FR1 n77_Ant 1	100M	BPSK	135	69	Back	10mm	5	633332	3499.98	18.95	20.00	1.274	0.02	0.221	0.281
	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Back	10mm	5	633332	3499.98	22.21	23.00	1.199	-0.15	0.252	0.302
	FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	6	633332	3499.98	19.13	19.30	1.040	0.05	0.120	0.125
	FR1 n77_Ant 1	100M	BPSK	135	69	Front	10mm	6	633332	3499.98	18.95	19.30	1.084	0.15	0.131	0.142
	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	6	633332	3499.98	19.13	19.30	1.040	-0.15	0.262	0.272
	FR1 n77_Ant 1	100M	BPSK	135	69	Back	10mm	6	633332	3499.98	18.95	19.30	1.084	0.02	0.221	0.240
	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Back	10mm	6	633332	3499.98	22.21	22.30	1.021	-0.15	0.252	0.257
	FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	5	656000	3840	23.05	24.50	1.396	0.09	0.209	0.292
	FR1 n77_Ant 5	100M	BPSK	135	69	Front	10mm	5	656000	3840	22.65	24.50	1.531	-0.17	0.204	0.312
	FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	5	656000	3840	23.05	24.50	1.396	-0.06	0.356	0.497
	FR1 n77_Ant 5	100M	BPSK	135	69	Back	10mm	5	656000	3840	22.65	24.50	1.531	0.04	0.299	0.458
	FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Back	10mm	5	656000	3840	24.89	26.50	1.449	0.06	0.280	0.406
	FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	6	656000	3840	23.05	24.00	1.245	0.09	0.209	0.260
	FR1 n77_Ant 5	100M	BPSK	135	69	Front	10mm	6	656000	3840	22.65	24.00	1.365	-0.17	0.204	0.278
	FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	6	656000	3840	23.05	24.00	1.245	-0.06	0.356	0.443
	FR1 n77_Ant 5	100M	BPSK	135	69	Back	10mm	6	656000	3840	22.65	24.00	1.365	0.04	0.299	0.408
	FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Back	10mm	6	656000	3840	24.89	26.50	1.449	0.06	0.280	0.406
	FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	5	633332	3499.98	23.19	24.50	1.352	-0.07	0.185	0.250
	FR1 n77_Ant 5	100M	BPSK	135	69	Front	10mm	5	633332	3499.98	22.84	24.50	1.466	-0.19	0.171	0.251
	FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	5	633332	3499.98	23.19	24.50	1.352	-0.02	0.363	0.491
	FR1 n77_Ant 5	100M	BPSK	135	69	Back	10mm	5	633332	3499.98	22.84	24.50	1.466	-0.01	0.329	0.482
	FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Back	10mm	5	633332	3499.98	25.26	26.50	1.330	0.05	0.326	0.434
	FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	6	633332	3499.98	23.19	24.00	1.205	-0.07	0.185	0.223
	FR1 n77_Ant 5	100M	BPSK	135	69	Front	10mm	6	633332	3499.98	22.84	24.00	1.306	-0.19	0.171	0.223
	FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	6	633332	3499.98	23.19	24.00	1.205	-0.02	0.363	0.437
	FR1 n77_Ant 5	100M	BPSK	135	69	Back	10mm	6	633332	3499.98	22.84	24.00	1.306	-0.01	0.329	0.430
	FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Back	10mm	6	633332	3499.98	25.26	26.50	1.330	0.05	0.326	0.434



<NTN SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	NTN B23_Ant 1	15K	BPSK	1	10	Front	10mm	5	25501	2000.1	22.26	22.30	1.009	79	1.051	-0.06	0.601	0.637
	NTN B23_Ant 1	15K	BPSK	1	10	Front	10mm	5	25600	2010	22.23	22.30	1.016	79	1.051	0.08	0.620	0.662
	NTN B23_Ant 1	15K	BPSK	1	10	Front	10mm	5	25699	2019.9	22.17	22.30	1.030	79	1.051	0.01	0.613	0.664
103	NTN B23_Ant 1	15K	BPSK	1	10	Back	10mm	5	25501	2000.1	22.26	22.30	1.009	79	1.051	-0.08	0.810	0.859
	NTN B23_Ant 1	15K	BPSK	1	10	Back	10mm	5	25600	2010	22.23	22.30	1.016	79	1.051	0.03	0.788	0.842
	NTN B23_Ant 1	15K	BPSK	1	10	Back	10mm	5	25699	2019.9	22.17	22.30	1.030	79	1.051	-0.08	0.788	0.853
	NTN B255_Ant 4	15K	BPSK	1	10	Front	10mm	5	261505	1626.6	21.33	21.80	1.114	79	1.051	-0.18	0.333	0.390
104	NTN B255_Ant 4	15K	BPSK	1	10	Back	10mm	5	261505	1626.6	21.33	21.80	1.114	79	1.051	-0.18	0.457	0.535

<WLAN SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	5/6	6	2437	21.39	21.50	1.026	100	1.000	0.02	0.281	0.288
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	5/6	6	2437	21.39	21.50	1.026	100	1.000	-0.01	0.350	0.359
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3	5/6	6	2437	21.92	22.00	1.019	100	1.000	0.04	0.390	0.397
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	5/6	6	2437	21.92	22.00	1.019	100	1.000	-0.01	0.451	0.459
105	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(4)	5/6	6	2437	20.34	21.50	1.306	99.51	1.005	-0.02	0.348	0.457
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(3)	5/6	6	2437	21.07	21.50	1.104	99.51	1.005	-0.02	0.333	0.369
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(4)	5/6	6	2437	20.34	21.50	1.306	99.51	1.005	-0.02	0.394	0.517
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(3)	5/6	6	2437	21.07	21.50	1.104	99.51	1.005	-0.02	0.385	0.427
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	7	11	2462	16.81	18.00	1.315	100	1.000	-0.07	0.214	0.281
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	7	11	2462	16.81	18.00	1.315	100	1.000	-0.04	0.239	0.314
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3	7	1	2412	16.99	18.00	1.262	100	1.000	-0.02	0.117	0.148
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	7	1	2412	16.99	18.00	1.262	100	1.000	0	0.131	0.165
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(4)	7	6	2437	16.29	18.00	1.483	99.51	1.005	0.01	0.139	0.207
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(3)	7	6	2437	16.38	18.00	1.452	99.51	1.005	0.04	0.101	0.147
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(4)	7	6	2437	16.29	18.00	1.483	99.51	1.005	-0.17	0.140	0.209
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(3)	7	6	2437	16.38	18.00	1.452	99.51	1.005	-0.17	0.115	0.168
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	8	6	2437	14.61	16.50	1.545	100	1.000	-0.01	0.073	0.113
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	8	6	2437	14.61	16.50	1.545	100	1.000	-0.04	0.095	0.147
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3	8	6	2437	14.64	16.50	1.535	100	1.000	0.08	0.080	0.123
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	8	6	2437	14.64	16.50	1.535	100	1.000	-0.07	0.085	0.130
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(4)	8	6	2437	16.29	16.50	1.050	99.51	1.005	0.01	0.139	0.147
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(3)	8	6	2437	16.38	16.50	1.028	99.51	1.005	0.04	0.101	0.104
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(4)	8	6	2437	16.29	16.50	1.050	99.51	1.005	-0.17	0.140	0.148
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(3)	8	6	2437	16.38	16.50	1.028	99.51	1.005	-0.17	0.115	0.119
106	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(4)	5/6/7	52	5260	18.48	19.00	1.127	99.51	1.005	-0.13	0.070	0.079
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(3)	5/6/7	52	5260	17.13	19.00	1.538	99.51	1.005	-0.13	0.136	0.210
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(4)	5/6/7	52	5260	18.48	19.00	1.127	99.51	1.005	-0.11	0.231	0.262
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(3)	5/6/7	52	5260	17.13	19.00	1.538	99.51	1.005	-0.11	0.245	0.379
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(4)	8	52	5260	17.72	18.00	1.067	99.51	1.005	-0.13	0.073	0.078
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(3)	8	52	5260	17.05	18.00	1.245	99.51	1.005	-0.13	0.151	0.189
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(4)	8	52	5260	17.72	18.00	1.067	99.51	1.005	-0.13	0.182	0.195
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(3)	8	52	5260	17.05	18.00	1.245	99.51	1.005	-0.13	0.237	0.296
107	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+3(4)	5/6	142	5710	18.80	19.00	1.047	98.98	1.010	-0.09	0.148	0.157
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+3(3)	5/6	142	5710	18.21	19.00	1.199	98.98	1.010	-0.09	0.179	0.217
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+3(4)	5/6	142	5710	18.80	19.00	1.047	98.98	1.010	-0.03	0.141	0.149
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+3(3)	5/6	142	5710	18.21	19.00	1.199	98.98	1.010	-0.03	0.412	0.499



FCC SAR TEST REPORT

Report No. : FA4N0919C

	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(4)	7	122	5610	15.96	17.50	1.426	97.98	1.021	-0.18	0.079	0.115
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(3)	7	122	5610	15.61	17.50	1.545	97.98	1.021	-0.18	0.085	0.134
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(4)	7	122	5610	15.96	17.50	1.426	97.98	1.021	0.16	0.253	0.369
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(3)	7	122	5610	15.61	17.50	1.545	97.98	1.021	0.16	0.121	0.191
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(4)	8	122	5610	15.96	16.00	1.009	97.98	1.021	-0.18	0.079	0.081
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(3)	8	122	5610	15.61	16.00	1.094	97.98	1.021	-0.18	0.085	0.095
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(4)	8	122	5610	15.96	16.00	1.009	97.98	1.021	0.16	0.253	0.261
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(3)	8	122	5610	15.61	16.00	1.094	97.98	1.021	0.16	0.121	0.135
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+3(4)	5/6	151	5755	18.99	19.00	1.002	98.98	1.010	-0.12	0.149	0.151
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+3(3)	5/6	151	5755	18.52	19.00	1.117	98.98	1.010	-0.12	0.171	0.193
108	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+3(4)	5/6	151	5755	18.99	19.00	1.002	98.98	1.010	0.04	0.182	0.184
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+3(3)	5/6	151	5755	18.52	19.00	1.117	98.98	1.010	0.04	0.445	0.502
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(4)	7	155	5775	15.41	17.00	1.442	97.87	1.022	-0.06	0.076	0.112
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(3)	7	155	5775	15.17	17.00	1.524	97.87	1.022	-0.06	0.105	0.164
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(4)	7	155	5775	15.41	17.00	1.442	97.87	1.022	-0.18	0.082	0.121
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(3)	7	155	5775	15.17	17.00	1.524	97.87	1.022	-0.18	0.242	0.377
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(4)	8	155	5775	15.41	15.50	1.021	97.87	1.022	-0.06	0.076	0.079
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(3)	8	155	5775	15.17	15.50	1.079	97.87	1.022	-0.06	0.105	0.116
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(4)	8	155	5775	15.41	15.50	1.021	97.87	1.022	-0.18	0.082	0.086
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(3)	8	155	5775	15.17	15.50	1.079	97.87	1.022	-0.18	0.242	0.267
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(4)	5/6	171	5855	18.46	19.00	1.132	97.87	1.022	-0.16	0.146	0.169
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(3)	5/6	171	5855	18.52	19.00	1.117	97.87	1.022	-0.16	0.224	0.256
109	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(4)	5/6	171	5855	18.46	19.00	1.132	97.87	1.022	0.05	0.256	0.296
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(3)	5/6	171	5855	18.52	19.00	1.117	97.87	1.022	0.05	0.419	0.478
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(4)	7	171	5855	16.04	18.00	1.570	97.87	1.022	-0.1	0.071	0.114
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(3)	7	171	5855	16.50	18.00	1.413	97.87	1.022	-0.1	0.109	0.157
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(4)	7	171	5855	16.04	18.00	1.570	97.87	1.022	-0.03	0.102	0.164
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(3)	7	171	5855	16.50	18.00	1.413	97.87	1.022	-0.03	0.218	0.315
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(4)	8	171	5855	16.04	16.50	1.112	97.87	1.022	-0.1	0.071	0.081
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(3)	8	171	5855	16.50	16.50	1.000	97.87	1.022	-0.1	0.109	0.111
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(4)	8	171	5855	16.04	16.50	1.112	97.87	1.022	-0.03	0.102	0.116
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(3)	8	171	5855	16.50	16.50	1.000	97.87	1.022	-0.03	0.218	0.223

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Measured APD (W/m^2)	Reported APD (W/m^2)
	WLAN6GHz	802.11ax-HE80 MCS0	Front	10mm	Ant 4+3(4)	5/6/7/8	215	7025	14.14	15.50	1.368	97.62	1.024	-0.13	0.049	0.069	0.376	0.527
	WLAN6GHz	802.11ax-HE80 MCS0	Front	10mm	Ant 4+3(3)	5/6/7/8	215	7025	14.46	15.50	1.271	97.62	1.024	-0.13	0.038	0.049	0.275	0.358
	WLAN6GHz	802.11ax-HE80 MCS0	Back	10mm	Ant 4+3(4)	5/6/7/8	215	7025	14.14	15.50	1.368	97.62	1.024	-0.15	0.063	0.088	0.527	0.738
	WLAN6GHz	802.11ax-HE80 MCS0	Back	10mm	Ant 4+3(3)	5/6/7/8	215	7025	14.46	15.50	1.271	97.62	1.024	-0.15	0.038	0.049	0.282	0.367
110	WLAN6GHz	802.11ax-HE80 MCS0	Back	10mm	Ant 4+3(4)	5/6/7/8	7	5985	13.17	14.50	1.358	97.62	1.024	0.09	0.081	0.113	0.639	0.889
	WLAN6GHz	802.11ax-HE80 MCS0	Back	10mm	Ant 4+3(3)	5/6/7/8	7	5985	13.43	14.50	1.279	97.62	1.024	0.09	0.069	0.090	0.578	0.757
	WLAN6GHz	802.11ax-HE80 MCS0	Back	10mm	Ant 4+3(4)	5/6/7/8	71	6305	13.00	14.50	1.413	97.62	1.024	0.16	0.075	0.108	0.601	0.869
	WLAN6GHz	802.11ax-HE80 MCS0	Back	10mm	Ant 4+3(3)	5/6/7/8	71	6305	13.29	14.50	1.321	97.62	1.024	0.16	0.043	0.058	0.378	0.511
	WLAN6GHz	802.11ax-HE80 MCS0	Back	10mm	Ant 4+3(4)	5/6/7/8	119	6545	12.28	12.50	1.052	97.62	1.024	-0.09	0.036	0.039	0.273	0.294
	WLAN6GHz	802.11ax-HE80 MCS0	Back	10mm	Ant 4+3(3)	5/6/7/8	119	6545	11.90	12.50	1.148	97.62	1.024	-0.09	0.030	0.035	0.252	0.296
	WLAN6GHz	802.11ax-HE80 MCS0	Back	10mm	Ant 4+3(4)	5/6/7/8	167	6785	10.01	11.00	1.256	97.62	1.024	0.12	0.030	0.039	0.23	0.296
	WLAN6GHz	802.11ax-HE80 MCS0	Back	10mm	Ant 4+3(3)	5/6/7/8	167	6785	10.71	11.00	1.069	97.62	1.024	0.12	0.020	0.022	0.137	0.150

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	1Mbps	Front	10mm	Ant 4	0	39	2441	20.00	21.00	1.260	77.07	1.081	-0.19	0.211	0.287
111	Bluetooth	1Mbps	Back	10mm	Ant 4	0	39	2441	20.00	21.00	1.260	77.07	1.081	-0.14	0.254	0.346
	Bluetooth	1Mbps	Front	10mm	Ant 3	0	39	2441	20.37	21.00	1.157	76.96	1.082	-0.07	0.209	0.262
	Bluetooth	1Mbps	Back	10mm	Ant 3	0	39	2441	20.37	21.00	1.157	76.96	1.082	-0.06	0.224	0.280
	Bluetooth	1Mbps	Front	10mm	Ant 4	2	39	2441	20.00	20.50	1.123	77.07	1.081	-0.19	0.211	0.256
	Bluetooth	1Mbps	Back	10mm	Ant 4	2	39	2441	20.00	20.50	1.123	77.07	1.081	-0.14	0.254	0.308
	Bluetooth	1Mbps	Front	10mm	Ant 3	2	39	2441	18.99	19.00	1.002	76.96	1.082	-0.03	0.188	0.204
	Bluetooth	1Mbps	Back	10mm	Ant 3	2	39	2441	18.99	19.00	1.002	76.96	1.082	0	0.184	0.200

14.4 Product Specific SAR
<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
112	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Edge	0mm	5	9400	1880	19.03	20.60	1.435	0	1.290	1.852

<LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
113	LTE Band 7_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	21100	2535	20.28	22.00	1.486			-0.01	1.460	2.169
	LTE Band 7_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	20850	2510	20.24	22.00	1.500			-0.02	1.420	2.130
	LTE Band 7_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	21350	2560	20.22	22.00	1.507			0.08	1.430	2.154
	CA_7C_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	21350	2560	20.48	22.00	1.419			0	1.500	2.129
	CA_7C_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	20850	2510	20.26	22.00	1.493			-0.02	1.410	2.105
	CA_7C_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	21100	2535	20.41	22.00	1.442			0.02	1.490	2.149
114	LTE Band 25_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	26340	1880	18.55	20.20	1.462			0.04	1.260	1.842
115	LTE Band 30_Ant 0	10M	QPSK	1	0	Bottom Edge	0mm	5	27710	2310	19.38	21.20	1.521			0.01	1.540	2.342
116	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	40620	2593	22.58	24.10	1.419	62.9	1.006	-0.01	1.720	2.455
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	39750	2506	22.49	24.10	1.449	62.9	1.006	0.14	1.680	2.449
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	39790	2510	22.47	24.10	1.455	62.9	1.006	-0.17	1.620	2.372
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	40185	2549.5	22.49	24.10	1.449	62.9	1.006	0.17	1.670	2.434
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	41055	2636.5	22.54	24.10	1.432	62.9	1.006	-0.05	1.610	2.320
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	41490	2680	22.44	24.10	1.466	62.9	1.006	0.01	1.600	2.359
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	40620	2593	23.90	25.40	1.413	42.9	1.009	0.1	1.630	2.323
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	39750	2506	23.79	25.40	1.449	42.9	1.009	-0.17	1.550	2.266
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	39790	2510	23.81	25.40	1.442	42.9	1.009	0.04	1.550	2.255
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	40185	2549.5	23.80	25.40	1.445	42.9	1.009	-0.01	1.600	2.334
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	41055	2636.5	23.82	25.40	1.439	42.9	1.009	-0.08	1.500	2.178
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	41490	2680	23.82	25.40	1.439	42.9	1.009	0.05	1.490	2.163
	CA_41C_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	40620	2593	22.63	24.10	1.403	62.9	1.006	0	1.700	2.399
	CA_41C_Ant 0	20M	QPSK	1	99	Bottom Edge	0mm	5	39750	2506	22.37	24.10	1.489	62.9	1.006	0.02	1.630	2.442
	CA_41C_Ant 0	20M	QPSK	1	99	Bottom Edge	0mm	5	39790	2510	22.35	24.10	1.496	62.9	1.006	0.08	1.590	2.393
	CA_41C_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	40185	2549.5	22.51	24.10	1.442	62.9	1.006	-0.11	1.620	2.350
	CA_41C_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	41055	2636.5	22.56	24.10	1.426	62.9	1.006	0.02	1.590	2.280
	CA_41C_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	41490	2680	22.55	24.10	1.429	62.9	1.006	0	1.580	2.271

<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
117	FR1 n7_Ant 0	50M	BPSK	1	1	Bottom Edge	0mm	5	507000	2535	19.94	21.60	1.466	-0.13	1.640	2.403
118	FR1 n25_Ant 0	40M	BPSK	1	1	Bottom Edge	0mm	5	376500	1882.5	19.34	20.20	1.219	-0.03	1.490	1.816
119	FR1 n41_Ant 0	100M	BPSK	1	1	Bottom Edge	0mm	5	518598	2592.99	21.01	22.30	1.346	-0.15	1.740	2.342
	FR1 n41_HPUE_Ant 0	100M	BPSK	1	1	Bottom Edge	0mm	5	518598	2592.99	24.06	25.20	1.300	0.01	1.680	2.184

<NTN SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
120	NTN B23_Ant 1	15K	BPSK	1	10	Front	0mm	5	25501	2000.1	22.26	22.30	1.009	79	1.051	0.03	2.330	2.471
	NTN B23_Ant 1	15K	BPSK	1	10	Front	0mm	5	25600	2010	22.23	22.30	1.016	79	1.051	0.08	2.060	2.200
	NTN B23_Ant 1	15K	BPSK	1	10	Front	0mm	5	25699	2019.9	22.17	22.30	1.030	79	1.051	0.01	1.830	1.982
	NTN B23_Ant 1	15K	BPSK	1	10	Back	0mm	5	25501	2000.1	22.26	22.30	1.009	79	1.051	0.03	1.290	1.368
	NTN B23_Ant 1	15K	BPSK	1	10	Left Edge	0mm	5	25501	2000.1	22.26	22.30	1.009	79	1.051	0.06	1.750	1.856
	NTN B23_Ant 1	15K	BPSK	1	10	Left Edge	0mm	5	25600	2010	22.23	22.30	1.016	79	1.051	-0.08	1.680	1.794
	NTN B23_Ant 1	15K	BPSK	1	10	Left Edge	0mm	5	25699	2019.9	22.17	22.30	1.030	79	1.051	-0.08	1.420	1.538
	NTN B23_Ant 1	15K	BPSK	1	10	Right Edge	0mm	5	25501	2000.1	22.26	22.30	1.009	79	1.051	0.1	0.073	0.077
	NTN B23_Ant 1	15K	BPSK	1	10	Top Edge	0mm	5	25501	2000.1	22.26	22.30	1.009	79	1.051	-0.18	1.290	1.368
	NTN B255_Ant 4	15K	BPSK	1	10	Front	0mm	5	261505	1626.6	21.33	21.80	1.114	79	1.051	0.01	1.209	1.416
	NTN B255_Ant 4	15K	BPSK	1	10	Front	0mm	5	261674	1643.5	21.32	21.80	1.117	79	1.051	-0.09	1.280	1.502
	NTN B255_Ant 4	15K	BPSK	1	10	Front	0mm	5	261843	1660.4	21.16	21.80	1.159	79	1.051	0.09	0.685	0.834
	NTN B255_Ant 4	15K	BPSK	1	10	Back	0mm	5	261505	1626.6	21.33	21.80	1.114	79	1.051	0.06	0.714	0.836
	NTN B255_Ant 4	15K	BPSK	1	10	Left Edge	0mm	5	261505	1626.6	21.33	21.80	1.114	79	1.051	0.05	0.241	0.282
	NTN B255_Ant 4	15K	BPSK	1	10	Right Edge	0mm	5	261505	1626.6	21.33	21.80	1.114	79	1.051	-0.02	0.326	0.382
	NTN B255_Ant 4	15K	BPSK	1	10	Top Edge	0mm	5	261505	1626.6	21.33	21.80	1.114	79	1.051	0.08	1.720	2.014
121	NTN B255_Ant 4	15K	BPSK	1	10	Top Edge	0mm	5	261674	1643.5	21.32	21.80	1.117	79	1.051	-0.01	2.090	2.453
	NTN B255_Ant 4	15K	BPSK	1	10	Top Edge	0mm	5	261843	1660.4	21.16	21.80	1.159	79	1.051	0.02	1.290	1.571

<WLAN SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	WLAN5GHz	802.11a 6Mbps	Front	0mm	Ant 4+3(4)	5/6/7	52	5260	18.48	19.00	1.127	99.51	1.005	0.09	0.774	0.877
	WLAN5GHz	802.11a 6Mbps	Front	0mm	Ant 4+3(3)	5/6/7	52	5260	17.13	19.00	1.538	99.51	1.005	0.09	0.766	1.184
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 4+3(4)	5/6/7	52	5260	18.48	19.00	1.127	99.51	1.005	-0.12	0.294	0.333
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 4+3(3)	5/6/7	52	5260	17.13	19.00	1.538	99.51	1.005	-0.12	0.383	0.592
122	WLAN5GHz	802.11a 6Mbps	Left Edge	0mm	Ant 4+3(4)	5/6/7	52	5260	18.48	19.00	1.127	99.51	1.005	-0.07	0.001	0.001
	WLAN5GHz	802.11a 6Mbps	Left Edge	0mm	Ant 4+3(3)	5/6/7	52	5260	17.13	19.00	1.538	99.51	1.005	-0.07	0.940	1.453
	WLAN5GHz	802.11a 6Mbps	Right Edge	0mm	Ant 4+3(4)	5/6/7	52	5260	18.48	19.00	1.127	99.51	1.005	0.01	0.077	0.087
	WLAN5GHz	802.11a 6Mbps	Right Edge	0mm	Ant 4+3(3)	5/6/7	52	5260	17.13	19.00	1.538	99.51	1.005	0.01	0.001	0.002
	WLAN5GHz	802.11a 6Mbps	Top Edge	0mm	Ant 4+3(4)	5/6/7	52	5260	18.48	19.00	1.127	99.51	1.005	0.02	0.516	0.585
	WLAN5GHz	802.11a 6Mbps	Top Edge	0mm	Ant 4+3(3)	5/6/7	52	5260	17.13	19.00	1.538	99.51	1.005	0.02	0.001	0.002
	WLAN5GHz	802.11a 6Mbps	Front	0mm	Ant 4+3(4)	8	52	5260	17.72	18.00	1.067	99.51	1.005	0.18	0.451	0.483
	WLAN5GHz	802.11a 6Mbps	Front	0mm	Ant 4+3(3)	8	52	5260	17.05	18.00	1.245	99.51	1.005	0.18	0.674	0.843
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 4+3(4)	8	52	5260	17.72	18.00	1.067	99.51	1.005	-0.03	0.201	0.215
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 4+3(3)	8	52	5260	17.05	18.00	1.245	99.51	1.005	-0.03	0.307	0.384
	WLAN5GHz	802.11a 6Mbps	Left Edge	0mm	Ant 4+3(4)	8	52	5260	17.72	18.00	1.067	99.51	1.005	-0.01	0.001	0.001
	WLAN5GHz	802.11a 6Mbps	Left Edge	0mm	Ant 4+3(3)	8	52	5260	17.05	18.00	1.245	99.51	1.005	-0.01	0.905	1.132
	WLAN5GHz	802.11a 6Mbps	Right Edge	0mm	Ant 4+3(4)	8	52	5260	17.72	18.00	1.067	99.51	1.005	0.01	0.078	0.084



FCC SAR TEST REPORT

Report No. : FA4N0919C

	WLAN5GHz	802.11a 6Mbps	Right Edge	0mm	Ant 4+3(3)	8	52	5260	17.05	18.00	1.245	99.51	1.005	0.01	0.001	0.001
	WLAN5GHz	802.11a 6Mbps	Top Edge	0mm	Ant 4+3(4)	8	52	5260	17.72	18.00	1.067	99.51	1.005	0.09	0.502	0.538
	WLAN5GHz	802.11a 6Mbps	Top Edge	0mm	Ant 4+3(3)	8	52	5260	17.05	18.00	1.245	99.51	1.005	0.09	0.001	0.001
123	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 4+3(4)	5/6	142	5710	18.80	19.00	1.047	98.98	1.010	0.17	1.340	1.417
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 4+3(3)	5/6	142	5710	18.21	19.00	1.199	98.98	1.010	0.17	1.050	1.272
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 4+3(4)	5/6	142	5710	18.80	19.00	1.047	98.98	1.010	-0.05	0.443	0.469
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 4+3(3)	5/6	142	5710	18.21	19.00	1.199	98.98	1.010	-0.05	0.414	0.502
	WLAN5GHz	802.11n-HT40 MCS0	Left Edge	0mm	Ant 4+3(4)	5/6	142	5710	18.80	19.00	1.047	98.98	1.010	-0.02	0.001	0.001
	WLAN5GHz	802.11n-HT40 MCS0	Left Edge	0mm	Ant 4+3(3)	5/6	142	5710	18.21	19.00	1.199	98.98	1.010	-0.02	1.490	1.805
	WLAN5GHz	802.11n-HT40 MCS0	Right Edge	0mm	Ant 4+3(4)	5/6	142	5710	18.80	19.00	1.047	98.98	1.010	-0.07	0.348	0.368
	WLAN5GHz	802.11n-HT40 MCS0	Right Edge	0mm	Ant 4+3(3)	5/6	142	5710	18.21	19.00	1.199	98.98	1.010	-0.07	0.001	0.001
	WLAN5GHz	802.11n-HT40 MCS0	Top Edge	0mm	Ant 4+3(4)	5/6	142	5710	18.80	19.00	1.047	98.98	1.010	-0.01	0.251	0.265
	WLAN5GHz	802.11n-HT40 MCS0	Top Edge	0mm	Ant 4+3(3)	5/6	142	5710	18.21	19.00	1.199	98.98	1.010	-0.01	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 4+3(4)	7	122	5610	15.96	17.50	1.426	97.98	1.021	0.03	0.507	0.738
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 4+3(3)	7	122	5610	15.61	17.50	1.545	97.98	1.021	0.03	0.473	0.746
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4+3(4)	7	122	5610	15.96	17.50	1.426	97.98	1.021	0.18	0.319	0.464
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4+3(3)	7	122	5610	15.61	17.50	1.545	97.98	1.021	0.18	0.221	0.349
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 4+3(4)	7	122	5610	15.96	17.50	1.426	97.98	1.021	0.06	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 4+3(3)	7	122	5610	15.61	17.50	1.545	97.98	1.021	0.06	0.768	1.212
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 4+3(4)	7	122	5610	15.96	17.50	1.426	97.98	1.021	-0.14	0.269	0.392
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 4+3(3)	7	122	5610	15.61	17.50	1.545	97.98	1.021	-0.14	0.001	0.002
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 4+3(4)	7	122	5610	15.96	17.50	1.426	97.98	1.021	0.02	0.462	0.672
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 4+3(3)	7	122	5610	15.61	17.50	1.545	97.98	1.021	0.02	0.001	0.002
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 4+3(4)	8	122	5610	15.96	16.00	1.009	97.98	1.021	0.03	0.507	0.522
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 4+3(3)	8	122	5610	15.61	16.00	1.094	97.98	1.021	0.03	0.473	0.528
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4+3(4)	8	122	5610	15.96	16.00	1.009	97.98	1.021	0.18	0.319	0.329
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4+3(3)	8	122	5610	15.61	16.00	1.094	97.98	1.021	0.18	0.221	0.247
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 4+3(4)	8	122	5610	15.96	16.00	1.009	97.98	1.021	0.06	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 4+3(3)	8	122	5610	15.61	16.00	1.094	97.98	1.021	0.06	0.768	0.858
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 4+3(4)	8	122	5610	15.96	16.00	1.009	97.98	1.021	-0.14	0.269	0.277
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 4+3(3)	8	122	5610	15.61	16.00	1.094	97.98	1.021	-0.14	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 4+3(4)	8	122	5610	15.96	16.00	1.009	97.98	1.021	0.02	0.462	0.476
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 4+3(3)	8	122	5610	15.61	16.00	1.094	97.98	1.021	0.02	0.001	0.001
124	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 4+3(4)	5/6	171	5855	18.46	19.00	1.132	97.87	1.022	0.18	0.649	0.751
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 4+3(3)	5/6	171	5855	18.52	19.00	1.117	97.87	1.022	0.18	1.220	1.393
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4+3(4)	5/6	171	5855	18.46	19.00	1.132	97.87	1.022	-0.09	0.222	0.257
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4+3(3)	5/6	171	5855	18.52	19.00	1.117	97.87	1.022	-0.09	0.368	0.420
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 4+3(4)	5/6	171	5855	18.46	19.00	1.132	97.87	1.022	0	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 4+3(3)	5/6	171	5855	18.52	19.00	1.117	97.87	1.022	0	1.410	1.609
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 4+3(4)	5/6	171	5855	18.46	19.00	1.132	97.87	1.022	-0.04	0.175	0.203
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 4+3(3)	5/6	171	5855	18.52	19.00	1.117	97.87	1.022	-0.04	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 4+3(4)	5/6	171	5855	18.46	19.00	1.132	97.87	1.022	-0.01	0.516	0.597
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 4+3(3)	5/6	171	5855	18.52	19.00	1.117	97.87	1.022	-0.01	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 4+3(4)	7	171	5855	16.04	18.00	1.570	97.87	1.022	0.01	0.411	0.660
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 4+3(3)	7	171	5855	16.50	18.00	1.413	97.87	1.022	0.01	0.559	0.807
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4+3(4)	7	171	5855	16.04	18.00	1.570	97.87	1.022	-0.1	0.121	0.194
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4+3(3)	7	171	5855	16.50	18.00	1.413	97.87	1.022	-0.1	0.204	0.294
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 4+3(4)	7	171	5855	16.04	18.00	1.570	97.87	1.022	0.17	0.001	0.002
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 4+3(3)	7	171	5855	16.50	18.00	1.413	97.87	1.022	0.17	0.717	1.035
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 4+3(4)	7	171	5855	16.04	18.00	1.570	97.87	1.022	-0.18	0.182	0.292
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 4+3(3)	7	171	5855	16.50	18.00	1.413	97.87	1.022	-0.18	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 4+3(4)	7	171	5855	16.04	18.00	1.570	97.87	1.022	-0.04	0.291	0.467
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 4+3(3)	7	171	5855	16.50	18.00	1.413	97.87	1.022	-0.04	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 4+3(4)	8	171	5855	16.04	16.50	1.112	97.87	1.022	0.01	0.411	0.467
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 4+3(3)	8	171	5855	16.50	16.50	1.000	97.87	1.022	0.01	0.559	0.571



FCC SAR TEST REPORT

Report No. : FA4N0919C

	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4+3(4)	8	171	5855	16.04	16.50	1.112	97.87	1.022	-0.1	0.121	0.137
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4+3(3)	8	171	5855	16.50	16.50	1.000	97.87	1.022	-0.1	0.204	0.208
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 4+3(4)	8	171	5855	16.04	16.50	1.112	97.87	1.022	0.17	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 4+3(3)	8	171	5855	16.50	16.50	1.000	97.87	1.022	0.17	0.717	0.733
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 4+3(4)	8	171	5855	16.04	16.50	1.112	97.87	1.022	-0.18	0.182	0.207
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 4+3(3)	8	171	5855	16.50	16.50	1.000	97.87	1.022	-0.18	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 4+3(4)	8	171	5855	16.04	16.50	1.112	97.87	1.022	-0.04	0.291	0.331
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 4+3(3)	8	171	5855	16.50	16.50	1.000	97.87	1.022	-0.04	0.001	0.001

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)	Measured APD (W/m^2)	Reported APD (W/m^2)
125	WLAN6GHz	802.11ax-HE80 MCS0	Front	0mm	Ant 4+3(4)	5/6/7/8	215	7025	14.14	15.50	1.368	97.62	1.024	0.09	0.367	0.514	8.71	12.199
	WLAN6GHz	802.11ax-HE80 MCS0	Front	0mm	Ant 4+3(3)	5/6/7/8	215	7025	14.46	15.50	1.271	97.62	1.024	0.09	0.315	0.410	7.54	9.810
	WLAN6GHz	802.11ax-HE80 MCS0	Front	0mm	Ant 4+3(4)	5/6/7/8	7	5985	13.17	14.50	1.358	97.62	1.024	0.14	0.205	0.285	4.83	6.718
	WLAN6GHz	802.11ax-HE80 MCS0	Front	0mm	Ant 4+3(3)	5/6/7/8	7	5985	13.43	14.50	1.279	97.62	1.024	0.14	0.187	0.245	4.44	5.817
	WLAN6GHz	802.11ax-HE80 MCS0	Front	0mm	Ant 4+3(4)	5/6/7/8	71	6305	13.00	14.50	1.413	97.62	1.024	0.02	0.349	0.505	8.23	11.904
	WLAN6GHz	802.11ax-HE80 MCS0	Front	0mm	Ant 4+3(3)	5/6/7/8	71	6305	13.29	14.50	1.321	97.62	1.024	0.02	0.208	0.281	4.97	6.724
	WLAN6GHz	802.11ax-HE80 MCS0	Front	0mm	Ant 4+3(4)	5/6/7/8	119	6545	12.28	12.50	1.052	97.62	1.024	0.02	0.231	0.249	5.58	6.011
	WLAN6GHz	802.11ax-HE80 MCS0	Front	0mm	Ant 4+3(3)	5/6/7/8	119	6545	11.90	12.50	1.148	97.62	1.024	0.02	0.179	0.210	4.28	5.032
	WLAN6GHz	802.11ax-HE80 MCS0	Front	0mm	Ant 4+3(4)	5/6/7/8	167	6785	10.01	11.00	1.256	97.62	1.024	0.12	0.196	0.252	4.72	6.071
	WLAN6GHz	802.11ax-HE80 MCS0	Front	0mm	Ant 4+3(3)	5/6/7/8	167	6785	10.71	11.00	1.069	97.62	1.024	0.12	0.167	0.183	3.93	4.302
	WLAN6GHz	802.11ax-HE80 MCS0	Back	0mm	Ant 4+3(4)	5/6/7/8	215	7025	14.14	15.50	1.368	97.62	1.024	-0.16	0.050	0.070	1.18	1.653
	WLAN6GHz	802.11ax-HE80 MCS0	Back	0mm	Ant 4+3(3)	5/6/7/8	215	7025	14.46	15.50	1.271	97.62	1.024	-0.16	0.061	0.079	1.42	1.848
	WLAN6GHz	802.11ax-HE80 MCS0	Left Edge	0mm	Ant 4+3(4)	5/6/7/8	215	7025	14.14	15.50	1.368	97.62	1.024	-0.1	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE80 MCS0	Left Edge	0mm	Ant 4+3(3)	5/6/7/8	215	7025	14.46	15.50	1.271	97.62	1.024	-0.1	0.297	0.386	7.12	9.264
	WLAN6GHz	802.11ax-HE80 MCS0	Right Edge	0mm	Ant 4+3(4)	5/6/7/8	215	7025	14.14	15.50	1.368	97.62	1.024	0.01	0.069	0.097	1.61	2.255
	WLAN6GHz	802.11ax-HE80 MCS0	Right Edge	0mm	Ant 4+3(3)	5/6/7/8	215	7025	14.46	15.50	1.271	97.62	1.024	0.01	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE80 MCS0	Top Edge	0mm	Ant 4+3(4)	5/6/7/8	215	7025	14.14	15.50	1.368	97.62	1.024	-0.05	0.093	0.130	2.22	3.109
	WLAN6GHz	802.11ax-HE80 MCS0	Top Edge	0mm	Ant 4+3(3)	5/6/7/8	215	7025	14.46	15.50	1.271	97.62	1.024	-0.05	0.001	0.001	0.001	0.001

<NFC SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Freq. (MHz)	Power Drift (dB)	Measured 10g SAR (W/kg)
	NFC	ASK	Front	0mm	13.56	0	0.001
126	NFC	ASK	Back	0mm	13.56	0	0.021
	NFC	ASK	Left Edge	0mm	13.56	0	0.001
	NFC	ASK	Right Edge	0mm	13.56	0	0.001
	NFC	ASK	Top Edge	0mm	13.56	0	0.001

14.5 6GHz PD Test Result

Band	Mode	Test Position	Gap (mm)	Antenna	Ch.	Freq. (MHz)	Average Power (dBm)	Grid Step (λ)	iPDn	iPD ratio (≥ -1)	Normal psPD (W/m ²)	Total psPD (W/m ²)
WLAN6GHz	802.11ax-HE80 MCS0	Front	2mm	Ant 4+3(3)	7	5985	14.85	0.0625	2.1	-0.82614422	1.76	2.74
WLAN6GHz	802.11ax-HE80 MCS0	Front	10mm	Ant 4+3(3)	7	5985	14.85	0.25	2.54		1.21	1.32
WLAN6GHz	802.11ax-HE80 MCS0	Front	2mm	Ant 4+3(3)	215	7025	14.46	0.0625	3.28	-0.41633358	3.13	3.53
WLAN6GHz	802.11ax-HE80 MCS0	Front	8.54mm	Ant 4+3(3)	215	7025	14.46	0.25	3.61		0.762	0.842

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Duty Cycle %	Grid Step (λ)	Scaling Factor for Measurement Uncertainty	Power Drift (dB)	Normal psPD (W/m ²)	Scaled Normal psPD (W/m ²)	Total psPD (W/m ²)	Scaled Total psPD (W/m ²)
	WLAN6GHz	802.11ax-HE80 MCS0	Front	2mm	Ant 4+3(3)	1	7	5985	13.85	15.50	97.62	0.0625	1.5535	0.05	1.76	4.09	2.74	6.37
	WLAN6GHz	802.11ax-HE80 MCS0	Front	2mm	Ant 4+3(3)	1	71	6305	13.68	15.50	97.62	0.0625	1.5535	0.16	1.87	4.52	2.9	7.01
	WLAN6GHz	802.11ax-HE80 MCS0	Front	2mm	Ant 4+3(3)	1	119	6545	14.00	14.00	97.62	0.0625	1.5535	-0.12	2	3.18	2.99	4.76
	WLAN6GHz	802.11ax-HE80 MCS0	Front	2mm	Ant 4+3(3)	1	167	6785	12.98	13.00	97.62	0.0625	1.5535	-0.01	3.24	5.18	3.87	6.18
	WLAN6GHz	802.11ax-HE80 MCS0	Front	2mm	Ant 4+3(3)	1	215	7025	13.96	15.00	97.62	0.0625	1.5535	-0.16	3.13	6.33	3.53	7.13
	WLAN6GHz	802.11ax-HE80 MCS0	Front	10mm	Ant 4+3(3)	7	215	7025	13.51	14.00	97.62	0.0625	1.5535	-0.12	0.510	0.91	0.564	1.00
	WLAN6GHz	802.11ax-HE80 MCS0	Back	10mm	Ant 4+3(3)	7	215	7025	13.51	14.00	97.62	0.0625	1.5535	-0.05	0.471	0.84	0.489	0.87
	WLAN6GHz	802.11ax-HE80 MCS0	Left Edge	10mm	Ant 4+3(3)	7	215	7025	13.51	14.00	97.62	0.0625	1.5535	0.02	0.661	1.18	0.723	1.29
	WLAN6GHz	802.11ax-HE80 MCS0	Left Edge	10mm	Ant 4+3(3)	7	7	5985	8.34	10.00	97.62	0.0625	1.5535	-0.02	0.387	0.90	0.418	0.97
	WLAN6GHz	802.11ax-HE80 MCS0	Left Edge	10mm	Ant 4+3(3)	7	71	6305	9.45	10.00	97.62	0.0625	1.5535	0.13	0.43	0.78	0.516	0.93
	WLAN6GHz	802.11ax-HE80 MCS0	Left Edge	10mm	Ant 4+3(3)	7	119	6545	11.39	12.00	97.62	0.0625	1.5535	-0.15	0.516	0.94	0.565	1.03
	WLAN6GHz	802.11ax-HE80 MCS0	Left Edge	10mm	Ant 4+3(3)	7	167	6785	10.71	11.00	97.62	0.0625	1.5535	-0.12	0.897	1.53	1.01	1.72
	WLAN6GHz	802.11ax-HE80 MCS0	Right Edge	10mm	Ant 4+3(4)	7	215	7025	13.80	14.00	97.62	0.0625	1.5535	-0.01	0.473	0.79	0.499	0.83
	WLAN6GHz	802.11ax-HE80 MCS0	Top Edge	10mm	Ant 4+3(4)	7	215	7025	13.80	14.00	97.62	0.0625	1.5535	-0.17	0.456	0.76	0.504	0.84
	WLAN6GHz	802.11ax-HE80 MCS0	Front	2mm	Ant 4+3(3)	5	215	7025	14.46	15.50	97.62	0.0625	1.5535	-0.16	3.13	6.33	3.53	7.13
	WLAN6GHz	802.11ax-HE80 MCS0	Front	2mm	Ant 4+3(3)	5	7	5985	13.43	14.50	97.62	0.0625	1.5535	-0.18	1.35	2.75	1.76	3.58
	WLAN6GHz	802.11ax-HE80 MCS0	Front	2mm	Ant 4+3(3)	5	71	6305	13.29	14.50	97.62	0.0625	1.5535	-0.1	1.12	2.35	1.61	3.38
	WLAN6GHz	802.11ax-HE80 MCS0	Front	2mm	Ant 4+3(3)	5	119	6545	11.90	12.50	97.62	0.0625	1.5535	0.1	0.888	1.62	1.44	2.63
	WLAN6GHz	802.11ax-HE80 MCS0	Front	2mm	Ant 4+3(3)	5	167	6785	10.71	11.00	97.62	0.0625	1.5535	0.18	0.899	1.53	1.37	2.33
	WLAN6GHz	802.11ax-HE80 MCS0	Back	2mm	Ant 4+3(3)	5	215	7025	14.46	15.50	97.62	0.0625	1.5535	-0.05	1.43	2.89	1.52	3.07
	WLAN6GHz	802.11ax-HE80 MCS0	Left Edge	2mm	Ant 4+3(3)	5	215	7025	14.46	15.50	97.62	0.0625	1.5535	-0.09	2.31	4.67	3.24	6.55
	WLAN6GHz	802.11ax-HE80 MCS0	Left Edge	2mm	Ant 4+3(3)	5	7	5985	13.43	14.50	97.62	0.0625	1.5535	0.1	2.68	5.45	3.08	6.27
	WLAN6GHz	802.11ax-HE80 MCS0	Left Edge	2mm	Ant 4+3(3)	5	71	6305	13.29	14.50	97.62	0.0625	1.5535	0.04	3.13	6.58	3.44	7.23
01	WLAN6GHz	802.11ax-HE80 MCS0	Left Edge	2mm	Ant 4+3(3)	5	119	6545	11.90	12.50	97.62	0.0625	1.5535	0.1	3.45	6.30	4.02	7.34
	WLAN6GHz	802.11ax-HE80 MCS0	Left Edge	2mm	Ant 4+3(3)	5	167	6785	10.71	11.00	97.62	0.0625	1.5535	0.07	3.52	5.99	3.94	6.70
	WLAN6GHz	802.11ax-HE80 MCS0	Right Edge	2mm	Ant 4+3(4)	5	215	7025	14.14	15.50	97.62	0.0625	1.5535	-0.06	1.22	2.65	1.36	2.96
	WLAN6GHz	802.11ax-HE80 MCS0	Top Edge	2mm	Ant 4+3(4)	5	215	7025	14.14	15.50	97.62	0.0625	1.5535	-0.16	0.522	1.14	1.02	2.22

14.6 Repeated SAR Measurement

No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	1	11	2462	15.93	17.50	1.435	100	1.000	0.02	0.814	-	1.168
2nd	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	1	11	2462	15.93	17.50	1.435	100	1.000	0.08	0.777	1.05	1.115
1st	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 4+3(4)	1	60	5300	14.97	15.00	1.007	99.51	1.005	-0.04	0.315	-	0.319
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 4+3(3)	1	60	5300	13.88	15.00	1.294	99.51	1.005	-0.04	0.907		1.180
2nd	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 4+3(4)	1	60	5300	14.97	15.00	1.007	99.51	1.005	0.03	0.302	1.07	0.306
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 4+3(3)	1	60	5300	13.88	15.00	1.294	99.51	1.005	0.03	0.851		1.107
1st	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(4)	1	122	5610	15.78	16.50	1.180	97.98	1.021	0	0.934	-	1.126
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(3)	1	122	5610	15.43	16.50	1.279	97.98	1.021	0	0.104		0.136
2nd	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(4)	1	122	5610	15.78	16.50	1.180	97.98	1.021	-0.08	0.890	1.05	1.073
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(3)	1	122	5610	15.43	16.50	1.279	97.98	1.021	-0.08	0.102		0.133
1st	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	1	155	5775	15.06	16.00	1.242	97.87	1.022	0.02	0.224	-	0.284
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	1	155	5775	15.66	16.00	1.081	97.87	1.022	0.02	1.000		1.105
2nd	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	1	155	5775	15.06	16.00	1.242	97.87	1.022	-0.08	0.219	1.02	0.278
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	1	155	5775	15.66	16.00	1.081	97.87	1.022	-0.08	0.978		1.081
1st	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	1	171	5855	15.12	17.00	1.542	97.87	1.022	0.12	0.167	-	0.263
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	1	171	5855	15.60	17.00	1.380	97.87	1.022	0.12	0.817		1.153
2nd	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	1	171	5855	15.12	17.00	1.542	97.87	1.022	0.1	0.162	1.03	0.255
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	1	171	5855	15.60	17.00	1.380	97.87	1.022	0.1	0.792		1.117

No.	Band	Mode	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	WCDMA IV_Ant 0	RMC 12.2Kbps	Bottom Edge	10mm	4	1413	1732.6	19.66	19.70	1.009			0	0.828	-	0.836
2nd	WCDMA IV_Ant 0	RMC 12.2Kbps	Bottom Edge	10mm	4	1413	1732.6	19.66	19.70	1.009			0	0.799	1.04	0.806
1st	NTN B23_Ant 1	15K_BPSK_1_10	Back	10mm	5	25501	2000.1	22.26	22.30	1.009	79	1.051	-0.08	0.810	-	0.859
2nd	NTN B23_Ant 1	15K_BPSK_1_10	Back	10mm	5	25501	2000.1	22.26	22.30	1.009	79	1.051	0.04	0.794	1.02	0.842

No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	NTN B23_Ant 1	15K	BPSK	1	10	Front	0mm	5	25501	2000.1	22.26	22.30	1.009	79	1.051	0.03	2.330	-	2.471
2nd	NTN B23_Ant 1	15K	BPSK	1	10	Front	0mm	5	25501	2000.1	22.26	22.30	1.009	79	1.051	0.03	2.190	1.06	2.323
1st	NTN B255_Ant 4	15K	BPSK	1	10	Top Edge	0mm	5	261674	1643.5	21.32	21.80	1.117	79	1.051	-0.01	2.090	-	2.453
2nd	NTN B255_Ant 4	15K	BPSK	1	10	Top Edge	0mm	5	261674	1643.5	21.32	21.80	1.117	79	1.051	-0.01	2.010	1.04	2.359

General Note:

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

14.7 Power Class 2 and Power Class 3 Linearity

General Note:

This device support Power Class 2 and Power Class 3 operations. Per FCC Guidance based on the device behavior, all SAR tests were performed using Power Class 3. Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each LTE and FR1 configuration and exposure condition combination, according to the highest time averaged power for 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%

<LTE Band 38 Linearity Data for Head>

	LTE Band 38_Ant 2	LTE Band 38_Ant 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	25.1	26.9
Reported 1g SAR (W/kg)	0.755	0.732
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	204.83	212.07
Linearity SAR(W/kg)	0.78	
% deviation from expected linearity		-6.36%

<LTE Band 38 Linearity Data for Hotspot>

	LTE Band 38_Ant 2	LTE Band 38_Ant 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	22	23.5
Reported 1g SAR (W/kg)	0.538	0.51
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	100.32	96.94
Linearity SAR(W/kg)	0.52	
% deviation from expected linearity		-1.89%

<LTE Band 38 Linearity Data for Body-worn>

	LTE Band 38_Ant 2	LTE Band 38_Ant 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	22.7	24.2
Reported 1g SAR (W/kg)	0.428	0.402
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	117.87	113.89
Linearity SAR(W/kg)	0.41	
% deviation from expected linearity		-2.79%

<LTE Band 41 Linearity Data for Head>

	LTE Band 41_Ant 2	LTE Band 41_Ant 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	25.1	26.9
Reported 1g SAR (W/kg)	0.717	0.669
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	204.83	212.07
Linearity SAR(W/kg)	0.74	
% deviation from expected linearity		-9.88%

	LTE Band 41_Ant 0	LTE Band 41_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	25.1	26.7
Reported 1g SAR (W/kg)	0.109	0.099
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	204.83	202.53
Linearity SAR(W/kg)	0.11	
% deviation from expected linearity		-8.14%

<LTE Band 41 Linearity Data for Hotspot>

	LTE Band 41_Ant 2	LTE Band 41_Ant 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	22	23.5
Reported 1g SAR (W/kg)	0.528	0.495
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	100.32	96.94
Linearity SAR(W/kg)	0.51	
% deviation from expected linearity		-2.97%

	LTE Band 41_Ant 0	LTE Band 41_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	21.8	23.1
Reported 1g SAR (W/kg)	0.818	0.731
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	95.81	88.41
Linearity SAR(W/kg)	0.75	
% deviation from expected linearity		-3.15%

<LTE Band 41 Linearity Data for Body-worn>

	LTE Band 41_Ant 2	LTE Band 41_Ant 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	22.7	24.2
Reported 1g SAR (W/kg)	0.462	0.443
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	117.87	113.89
Linearity SAR(W/kg)	0.45	
% deviation from expected linearity		-0.76%

	LTE Band 41_Ant 0	LTE Band 41_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	24.1	25.4
Reported 1g SAR (W/kg)	0.974	0.861
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	162.71	150.14
Linearity SAR(W/kg)	0.90	
% deviation from expected linearity		-4.20%

<FR1 n41 Linearity Data for Head>

	FR1 n41_Ant 2	FR1 n41_Ant 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	24	26.9
Reported 1g SAR (W/kg)	0.845	0.786
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	244.89
Linearity SAR(W/kg)	0.82	
% deviation from expected linearity		-4.59%

	FR1 n41_Ant 0	FR1 n41_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	25	26.7
Reported 1g SAR (W/kg)	0.199	0.136
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	316.23	233.87
Linearity SAR(W/kg)	0.15	
% deviation from expected linearity		-7.59%

	FR1 n41_Ant 1	FR1 n41_Ant 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	17.9	20.9
Reported 1g SAR (W/kg)	0.893	0.823
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	61.66	61.51
Linearity SAR(W/kg)	0.89	
% deviation from expected linearity		-7.62%

	FR1 n41_Ant 5	FR1 n41_Ant 5
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	18.8	21.6
Reported 1g SAR (W/kg)	0.873	0.824
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	75.86	72.27
Linearity SAR(W/kg)	0.83	
% deviation from expected linearity		-0.93%

<FR1 n41 Linearity Data for Hotspot>

	FR1 n41_Ant 2	FR1 n41_Ant 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	21.8	24.8
Reported 1g SAR (W/kg)	0.774	0.739
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	151.36	151.00
Linearity SAR(W/kg)	0.77	
% deviation from expected linearity		-4.30%

	FR1 n41_Ant 0	FR1 n41_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	20.1	23
Reported 1g SAR (W/kg)	0.841	0.771
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	102.33	99.76
Linearity SAR(W/kg)	0.82	
% deviation from expected linearity		-5.97%

	FR1 n41_Ant 1	FR1 n41_Ant 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	22.2	25.2
Reported 1g SAR (W/kg)	0.635	0.58
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	165.96	165.57
Linearity SAR(W/kg)	0.63	
% deviation from expected linearity		-8.44%

	FR1 n41_Ant 5	FR1 n41_Ant 5
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	23.2	26
Reported 1g SAR (W/kg)	0.745	0.652
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	208.93	199.05
Linearity SAR(W/kg)	0.71	
% deviation from expected linearity		-8.14%

<FR1 n41 Linearity Data for Body-worn>

	FR1 n41_Ant 2	FR1 n41_Ant 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	22.5	25.5
Reported 1g SAR (W/kg)	0.666	0.631
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	177.83	177.41
Linearity SAR(W/kg)	0.66	
% deviation from expected linearity		-5.03%

	FR1 n41_Ant 0	FR1 n41_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	22.3	25.2
Reported 1g SAR (W/kg)	0.972	0.87
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	169.82	165.57
Linearity SAR(W/kg)	0.95	
% deviation from expected linearity		-8.19%

	FR1 n41_Ant 1	FR1 n41_Ant 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	22.9	25.9
Reported 1g SAR (W/kg)	0.746	0.681
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	194.98	194.52
Linearity SAR(W/kg)	0.74	
% deviation from expected linearity		-8.50%

	FR1 n41_Ant 5	FR1 n41_Ant 5
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	23.9	26.7
Reported 1g SAR (W/kg)	0.72	0.643
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	245.47	233.87
Linearity SAR(W/kg)	0.69	
% deviation from expected linearity		-6.26%

< FR1 n41 Linearity Data for Product Specific>

	LTE Band 41_Ant 0	LTE Band 41_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	24.1	25.4
Reported 10g SAR (W/kg)	2.455	2.334
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	162.71	150.14
Linearity SAR(W/kg)	2.27	
% deviation from expected linearity		3.03%

	FR1 n41_Ant 0	FR1 n41_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	22.3	25.2
Reported 10g SAR (W/kg)	2.342	2.184
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	169.82	165.57
Linearity SAR(W/kg)	2.28	
% deviation from expected linearity		-4.35%

<FR1 n77 Linearity Data for Head>

	FR1 n77_Ant 6	FR1 n77_Ant 6
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	25	27
Reported 1g SAR (W/kg)	0.957	0.735
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	316.23	250.59
Linearity SAR(W/kg)	0.76	
% deviation from expected linearity		-3.08%

	FR1 n77_Ant 7	FR1 n77_Ant 7
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	24.5	26.5
Reported 1g SAR (W/kg)	0.606	0.465
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	281.84	223.34
Linearity SAR(W/kg)	0.48	
% deviation from expected linearity		-3.17%

	FR1 n77_Ant 1	FR1 n77_Ant 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	14.7	17.7
Reported 1g SAR (W/kg)	0.891	0.826
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	29.51	29.44
Linearity SAR(W/kg)	0.89	
% deviation from expected linearity		-7.08%

	FR1 n77_Ant 5	FR1 n77_Ant 5
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	17.6	20.6
Reported 1g SAR (W/kg)	0.749	0.701
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	57.54	57.41
Linearity SAR(W/kg)	0.75	
% deviation from expected linearity		-6.19%

<FR1 n77 Linearity Data for Hotspot>

	FR1 n77_Ant 6	FR1 n77_Ant 6
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	19.5	22.5
Reported 1g SAR (W/kg)	0.698	0.682
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	89.13	88.91
Linearity SAR(W/kg)	0.70	
% deviation from expected linearity		-2.06%

	FR1 n77_Ant 7	FR1 n77_Ant 7
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	19.1	22.1
Reported 1g SAR (W/kg)	0.534	0.522
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	81.28	81.09
Linearity SAR(W/kg)	0.53	
% deviation from expected linearity		-2.02%

	FR1 n77_Ant 1	FR1 n77_Ant 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	17.1	20.1
Reported 1g SAR (W/kg)	0.426	0.408
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	51.29	51.16
Linearity SAR(W/kg)	0.42	
% deviation from expected linearity		-4.00%

	FR1 n77_Ant 5	FR1 n77_Ant 5
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	24	26.5
Reported 1g SAR (W/kg)	0.443	0.406
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	223.34
Linearity SAR(W/kg)	0.39	
% deviation from expected linearity		3.07%

<FR1 n77 Linearity Data for Body-worn>

	FR1 n77_Ant 6	FR1 n77_Ant 6
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	20.4	23.4
Reported 1g SAR (W/kg)	0.573	0.567
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	109.65	109.39
Linearity SAR(W/kg)	0.57	
% deviation from expected linearity		-0.81%

	FR1 n77_Ant 7	FR1 n77_Ant 7
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	19.8	22.8
Reported 1g SAR (W/kg)	0.371	0.364
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	95.50	95.27
Linearity SAR(W/kg)	0.37	
% deviation from expected linearity		-1.65%

	FR1 n77_Ant 1	FR1 n77_Ant 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	20	23
Reported 1g SAR (W/kg)	0.527	0.484
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	100.00	99.76
Linearity SAR(W/kg)	0.53	
% deviation from expected linearity		-7.94%

	FR1 n77_Ant 5	FR1 n77_Ant 5
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	24.5	26.5
Reported 1g SAR (W/kg)	0.497	0.406
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	281.84	223.34
Linearity SAR(W/kg)	0.39	
% deviation from expected linearity		3.09%

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15. Uncertainty Assessment

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.

The component of uncertainty may generally be categorized according to the methods used to evaluate them. The evaluation of uncertainty by the statistical analysis of a series of observations is termed a Type A evaluation of uncertainty. The evaluation of uncertainty by means other than the statistical analysis of a series of observation is termed a Type B evaluation of uncertainty. Each component of uncertainty, however evaluated, is represented by an estimated standard deviation, termed standard uncertainty, which is determined by the positive square root of the estimated variance.

A Type A evaluation of standard uncertainty may be based on any valid statistical method for treating data. This includes calculating the standard deviation of the mean of a series of independent observations; using the method of least squares to fit a curve to the data in order to estimate the parameter of the curve and their standard deviations; or carrying out an analysis of variance in order to identify and quantify random effects in certain kinds of measurement.

A type B evaluation of standard uncertainty is typically based on scientific judgment using all of the relevant information available. These may include previous measurement data, experience, and knowledge of the behavior and properties of relevant materials and instruments, manufacture's specification, data provided in calibration reports and uncertainties assigned to reference data taken from handbooks. Broadly speaking, the uncertainty is either obtained from an outdoor source or obtained from an assumed distribution, such as the normal distribution, rectangular or triangular distributions indicated in table below.

Uncertainty Distributions	Normal	Rectangular	Triangular	U-Shape
Multi-plying Factor ^(a)	$1/k^{(b)}$	$1/\sqrt{3}$	$1/\sqrt{6}$	$1/\sqrt{2}$

(a) standard uncertainty is determined as the product of the multiplying factor and the estimated range of variations in the measured quantity

(b) k is the coverage factor

Standard Uncertainty for Assumed Distribution

The combined standard uncertainty of the measurement result represents the estimated standard deviation of the result. It is obtained by combining the individual standard uncertainties of both Type A and Type B evaluation using the usual "root-sum-squares" (RSS) methods of combining standard deviations by taking the positive square root of the estimated variances.

Expanded uncertainty is a measure of uncertainty that defines an interval about the measurement result within which the measured value is confidently believed to lie. It is obtained by multiplying the combined standard uncertainty by a coverage factor. Typically, the coverage factor ranges from 2 to 3. Using a coverage factor allows the true value of a measured quantity to be specified with a defined probability within the specified uncertainty range. For purpose of this document, a coverage factor two is used, which corresponds to confidence interval of about 95 %. The DASY uncertainty Budget is shown in the following tables.

The judgment of conformity in the report is based on the measurement results excluding the measurement uncertainty.

Applicable for SAR Measurements:

Uncertainty Budget (4 MHz - 10 GHz range)							
Error Description	Uncertainty Value (±%)	Probability	Divisor	(Ci) 1g	(Ci) 10g	Standard Uncertainty (1g) (±%)	Standard Uncertainty (10g) (±%)
Measurement System							
Probe Calibration	18.60	N	2	1	1	9.3	9.3
Axial Isotropy	4.70	R	1.732	0.7	0.7	1.9	1.9
Hemispherical Isotropy	9.60	R	1.732	0.7	0.7	3.9	3.9
Linearity	4.70	R	1.732	1	1	2.7	2.7
Modulation Response	4.68	R	1.732	1	1	2.7	2.7
System Detection Limits	1.00	R	1.732	1	1	0.6	0.6
Boundary Effects	2.00	R	1.732	1	1	1.2	1.2
Readout Electronics	0.30	N	1	1	1	0.3	0.3
Response Time	0.00	R	1.732	1	1	0.0	0.0
Integration Time	2.60	R	1.732	1	1	1.5	1.5
RF Ambient Noise	3.00	R	1.732	1	1	1.7	1.7
RF Ambient Reflections	3.00	R	1.732	1	1	1.7	1.7
Probe Positioner	0.40	R	1.732	1	1	0.2	0.2
Probe Positioning	6.70	R	1.732	1	1	3.9	3.9
Post-processing	4.00	R	1.732	1	1	2.3	2.3
Test Sample Related							
Device Holder	3.60	N	1	1	1	3.6	3.6
Test sample Positioning	3.03	N	1	1	1	3.0	3.0
Power Scaling	0.00	R	1.732	1	1	0.0	0.0
Power Drift	5.00	R	1.732	1	1	2.9	2.9
Phantom and Setup							
Phantom Uncertainty	7.60	R	1.732	1	1	4.4	4.4
SAR correction	0.00	R	1.732	1	0.84	0.0	0.0
Liquid Conductivity Repeatability	0.03	N	1	0.78	0.77	0.0	0.0
Liquid Conductivity (target)	5.00	R	1.732	0.78	0.77	2.3	2.2
Liquid Conductivity (mea.)	2.50	R	1.732	0.78	0.77	1.1	1.1
Temp. unc. - Conductivity	3.68	R	1.732	0.78	0.77	1.7	1.6
Liquid Permittivity Repeatability	0.02	N	1	0.23	0.26	0.0	0.0
Liquid Permittivity (target)	5.00	R	1.732	0.23	0.26	0.7	0.8
Liquid Permittivity (mea.)	2.50	R	1.732	0.23	0.26	0.3	0.4
Temp. unc. - Permittivity	0.84	R	1.732	0.23	0.26	0.1	0.1
Combined Std. Uncertainty						14.5%	14.2%
Coverage Factor for 95 %						K=2	K=2
Expanded STD Uncertainty						29.0%	28.4%

Applicable for Power Density Measurements:

Error Description	Uncertainty Value (±dB)	Probability	Divisor	(Ci)	Standard Uncertainty (±dB)
Probe Calibration	0.49	N	1	1	0.49
Probe correction	0.00	R	1.732	1	0.00
Frequency response (BW ≤ 1 GHz)	0.20	R	1.732	1	0.12
Sensor cross coupling	0.00	R	1.732	1	0.00
Isotropy	0.50	R	1.732	1	0.29
Linearity	0.20	R	1.732	1	0.12
Probe scattering	0.00	R	1.732	1	0.00
Probe positioning offset	0.30	R	1.732	1	0.17
Probe positioning repeatability	0.04	R	1.732	1	0.02
Sensor mechanical offset	0.00	R	1.732	1	0.00
Probe spatial resolution	0.00	R	1.732	1	0.00
Field impedance dependance	0.00	R	1.732	1	0.00
Amplitude and phase drift	0.00	R	1.732	1	0.00
Amplitude and phase noise	0.04	R	1.732	1	0.02
Measurement area truncation	0.00	R	1.732	1	0.00
Data acquisition	0.03	N	1	1	0.03
Sampling	0.00	R	1.732	1	0.00
Field reconstruction	2.00	R	1.732	1	1.15
Forward transformation	0.00	R	1.732	1	0.00
Power density scaling	0.00	R	1.732	1	0.00
Spatial averaging	0.10	R	1.732	1	0.06
System detection limit	0.04	R	1.732	1	0.02
Uncertainty terms dependent on the DUT and environmental factors					
Probe coupling with DUT	0.00	R	1.732	1	0.0
Modulation response	0.40	R	1.732	1	0.2
Integration time	0.00	R	1.732	1	0.0
Response time	0.00	R	1.732	1	0.0
Device holder influence	0.10	R	1.732	1	0.1
DUT alignment	0.00	R	1.732	1	0.0
RF ambient conditions	0.04	R	1.732	1	0.0
Ambient reflections	0.04	R	1.732	1	0.0
Immunity / secondary reception	0.00	R	1.732	1	0.0
Drift of the DUT		R	1.732	1	
Combined Std. Uncertainty					1.34
Expanded STD Uncertainty (95%)					2.68

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