

FCC SAR TEST REPORT

FCC ID : UZ7TC101B
Equipment : Touch Computer
Brand Name : Zebra
Model Name : TC101B
Applicant : Zebra Technologies Corporation
3 Overlook Point, Lincolnshire, IL 60069 USA
Manufacturer : Zebra Technologies Corporation
3 Overlook Point, Lincolnshire, IL 60069 USA
Standard : FCC 47 CFR Part 2 (2.1093)

The product was received on Dec. 19, 2025 and testing was started from Jan. 01, 2026 and completed on Feb. 11, 2026. 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



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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	7
2.3 General LTE SAR Test and Reporting Considerations	40
2.4 General 5G NR SAR Test and Reporting Considerations	43
3. Smart Transmit feature for RF Exposure compliance.....	46
4. Guidance Applied.....	49
5. RF Exposure Limits.....	50
5.1 Uncontrolled Environment.....	50
5.2 Controlled Environment	50
5.3 RF Exposure limit for above 6GHz.....	51
6. Specific Absorption Rate (SAR)	52
6.1 Introduction.....	52
6.2 SAR Definition	52
7. System Description and Setup	53
7.1 Test Site Location	53
7.2 E-Field Probe	54
7.3 Data Acquisition Electronics (DAE)	54
7.4 Phantom	55
7.5 Device Holder.....	56
8. Measurement Procedures.....	57
8.1 Spatial Peak SAR Evaluation.....	57
8.2 Power Reference Measurement	58
8.3 Area Scan.....	58
8.4 Zoom Scan	59
8.5 Volume Scan Procedures	59
8.6 Power Drift Monitoring	59
9. Test Equipment List	60
10. System Verification	61
10.1 Tissue Verification.....	61
10.2 System Performance Check Results.....	63
10.3 PD System Performance Check Results.....	64
11. RF Exposure Positions	65
11.1 Ear and handset reference point	65
11.2 Definition of the cheek position	66
11.3 Definition of the tilt position	67
11.4 Body Worn Accessory.....	67
11.5 Product Specific Exposure	68
11.6 Wireless Router	68
12. UL/DL Carrier aggregation.....	69
13. Antenna Location	77
14. SAR Test Results.....	78
14.1 Head SAR	81
14.2 Hotspot SAR.....	92
14.3 Body Worn Accessory SAR.....	101
14.4 Product Specific SAR	110
14.5 6GHz PD Test Result.....	111
14.6 Repeated SAR Measurement	111
14.7 Power Class 2 and Power Class 3 Linearity.....	112
15. Simultaneous Transmission Analysis.....	116
15.1 Head Exposure Conditions	117
15.2 Hotspot Exposure Conditions.....	118
15.3 Body-Worn Accessory Exposure Conditions	120
15.4 Product Specific Exposure Conditions	120
16. Uncertainty Assessment.....	121
17. References	124
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. Output Power Measurement	
Appendix E. Power reduction mechanism verification	
Appendix F. Test Setup Photos	

History of this test report

Report No.	Version	Description	Issued Date
FA5N2836B	01	Initial issue of report	Mar. 12, 2026



1. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) for Zebra Technologies Corporation, Touch Computer, TC101B, 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)	Hotspot (Separation 10mm)	Body-worn (Separation 5mm)	Product Specific (Separation 0mm)		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	10g SAR (W/kg)		
Licensed	GSM850	1.17	0.35	1.17		1.59	
	GSM1900	0.62	0.16	1.18			
	WCDMA II	0.57	0.16	1.15			
	WCDMA IV	0.71	0.15	1.19			
	WCDMA V	1.09	0.17	1.19			
	LTE Band 2	0.02	0.14	0.52			
	LTE Band 7	1.16	0.28	0.75			
	LTE Band 12/17	0.74	0.16	0.77			
	LTE Band 13	0.85	0.17	0.97			
	LTE Band 2/25	0.57	0.16	1.16			
	LTE Band 5/26	0.99	0.18	1.10			
	LTE Band 38/41	0.87	0.48	0.38			
	LTE Band 4/66	0.65	0.17	1.16			
	LTE Band 71	0.49	0.29	0.45			
	LTE Band 42	1.19	0.12	1.17			
	LTE Band 43	0.59	0.50	1.19			
	FR1 n2	0.03	0.22	0.56			
	FR1 n7	0.88	0.38	0.69			
	FR1 n12	0.68	0.22	0.67			
	FR1 n25	0.60	0.18	1.18			
	FR1 n5/n26	1.00	0.16	1.10			
	FR1 n38/n41	1.18	0.37	1.17			
	FR1 n66	0.77	0.20	1.17			
	FR1 n71	0.48	0.20	0.47			
	FR1 n77/n78	1.18	1.17	1.18			
DTS	2.4GHz WLAN	1.19	0.51	1.17		1.59	
NII	5GHz WLAN	1.16	1.17	1.14	0.95	1.59	0.95
6CD	6GHz WLAN	0.45		0.34	0.26	1.59	0.95
DSS	Bluetooth	0.04	0.01	0.03		1.59	
DXX	NFC				0.04		0.95
Equipment Class	Frequency Band	Head	Hotspot	Body-worn	Product Specific	Reported PD (mW/cm²)	
		Reported APD (mW/cm²)	Reported APD (mW/cm²)	Reported APD (mW/cm²)	Reported APD (mW/cm²)		
6CD	6GHz WLAN	0.37		0.26	0.61	0.74	
Date of Testing:		2026/01/01 ~ 2026/02/11					

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation and the FCC designation No. TW1190 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	
Equipment Name	Touch Computer
Brand Name	Zebra
Model Name	TC101B
FCC ID	UZ7TC101B
Wireless Technology and Frequency Range	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 17: 704 MHz ~ 716 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 42: 3450 MHz ~ 3600 MHz LTE Band 43: 3600 MHz ~ 3800 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 n25 : 1850 MHz ~ 1915 MHz 5G NR n26 : 814 MHz ~ 849 MHz 5G NR n38 : 2570 MHz ~ 2620 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n66 : 1710 MHz ~ 1780 MHz 5G NR n71 : 663 MHz ~ 698 MHz 5G NR n77: 3700 MHz ~ 3980 MHz, 3450 MHz ~ 3550 MHz, 3550 MHz ~ 3700 MHz 5G NR n78: 3700 MHz ~ 3800 MHz, 3450 MHz ~ 3550 MHz, 3550 MHz ~ 3700 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 6GHz 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

Mode	GSM/GPRS/EGPRS RMC/AMR 12.2Kbps HSDPA HSUPA DC-HSDPA HSPA+ (16QAM uplink) LTE: QPSK, 16QAM, 64QAM, 256QAM 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/VHT160/HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE NFC: ASK
HW Version	EV
SW Version	15-13-05.00-VG-U00-PRD-NEM-04
GSM / €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.
MFD	12NOV25
EUT Stage	Identical Prototype
Remark:	
- The device implements the smart transmit power management and sensor detection for SAR compliance at different exposure conditions (head, hotspot, body-worn, extremity), the smart transmit feature will manage to ensure the power level not exceeding the associated power table. - There are four sample configurations as listed in the table below. Sample 1 is selected as the main test sample, Samples 2, 3, and 4 are spot-checked to verify the findings of Sample 1. - The device implements sensor detection for SAR compliance at different exposure conditions and the power verification include in appendix E. - The device support motion sensor, in section 14.2, 14.3 additional supplemental SAR the test data is to demonstrate the device is in compliance with FCC requirements at 25mm when all power reduction mechanisms are OFF.	

Sample List	
Sample 1	no Scan engine
Sample 2	Scan engine (SE4100)
Sample 3	Scan engine (SR560)
Sample 4	Scan engine (SR500), Red Illum, Yellow LED Aimer

Specification of Accessories					
Adapter 1	Brand Name	Zebra	Part Number	PWR-WUA5V12W0US	
Adapter 2	Brand Name	Zebra	Part Number	PWR-WUA5V45W1US	
Battery 1 (1x)	Brand Name	Zebra	Part Number	BT-000473-0020	
Battery 2 (1.5x)	Brand Name	Zebra	Part Number	BT-000473-0820	
USB TYPE A to TYPE C Cable	Brand Name	Zebra	Part Number	CBL-TC5X-USBC2A-01	
USB TYPE C to TYPE C Cable	Brand Name	Zebra	Part Number	CBL-TN28USBC2C-01	
USB TYPE C to TYPE C Cable	Brand Name	Zebra	Part Number	CBL-EC5X-USBC3A-01	
PTT Headset with USB-C connector	Brand Name	Zebra	Part Number	HDST-USBC-PTT1-01	
PTT and VoIP headset with 3.5mm standard jack	Brand Name	Zebra	Part Number	HDST-35MM-PTVP-02	
HS2100 rugged wired headset	Brand Name	Zebra	Part Number	HS2100-BTN-LSB	
HS2100 standard cable	Brand Name	Zebra	Part Number	CBL-HS2100-3MS1-01	
HS3100 rugged Bluetooth headset	Brand Name	Zebra	Part Number	HS3100-OTH	
USB-C to 3.5mm adapter Cable	Brand Name	Zebra	Part Number	ADP-USBC-35MM1-01	
Handstrap	Brand Name	Zebra	Part Number	SG-TC2L-HSTRP1-01	
Trigger Handle	Brand Name	Zebra	Part Number	CRG-TC2L-SNP1-01	
Arm Mounts	Brand Name	Zebra	Part Number	SG-TC2L-ARMNT-01	
Soft Holster	Brand Name	Zebra	Part Number	SG-TC2L-HLSTR1-01	
Rugged boot	Brand Name	Zebra	Part Number	SG-TCVT-BOOT-01	



2.2 Maximum Tune-up Limit

General Note:

1. In this report, PC3 and PC2 refer to Power Class 3 and Power Class 2, respectively.
2. For each cellular band, the device utilizes multiple WWAN antennas. Antenna selection is dynamically managed based on real-time connection quality.
3. The following table shows maximum output power configurations for various exposure conditions (output power DSI) with tune-up tolerance accounted. For smart transmit 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 DSI 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.

Maximum Transmit Burst Average Power(dBm)								
Band	Antenna	Duty Cycle	WLAN OFF			WLAN ON		
			Head	Body Worn / Extremity	Sensor Off	Hotspot	Head	Body Worn / Extremity
			(DSI:2)	(DSI1)	(DSI0)	(DSI3)	(DSI:2)	(DSI1)
GSM850 GSM 1TX	8	12.50%	34.0	34.0	34.0	31.6	33.7	31.6
GSM850 GPRS 1TX	8	12.50%	34.0	34.0	34.0	31.6	33.7	31.6
GSM850 GPRS 2TX	8	25.00%	32.5	31.8	33.5	28.6	30.7	28.6
GSM850 GPRS 3TX	8	37.50%	30.7	30.0	33.0	26.8	28.9	26.8
GSM850 GPRS 4TX	8	50.00%	29.5	28.8	33.0	25.6	27.7	25.6
GSM850 EDGE 1TX	8	12.50%	28.0	28.0	28.0	28.0	28.0	28.0
GSM850 EDGE 2TX	8	25.00%	28.0	28.0	28.0	28.0	28.0	28.0
GSM850 EDGE 3TX	8	37.50%	28.0	28.0	28.0	26.8	28.0	26.8
GSM850 EDGE 4TX	8	50.00%	27.0	27.0	27.0	25.6	27.0	25.6
GSM1900 GSM 1TX	1	12.50%	31.0	31.0	31.0	25.7	31.0	25.7
GSM1900 GPRS 1TX	1	12.50%	31.0	31.0	31.0	25.7	31.0	25.7
GSM1900 GPRS 2TX	1	25.00%	30.5	30.3	30.5	22.7	30.5	22.7
GSM1900 GPRS 3TX	1	37.50%	30.0	28.5	30.0	20.9	30.0	20.9
GSM1900 GPRS 4TX	1	50.00%	30.0	27.3	30.0	19.7	30.0	19.7
GSM1900 EDGE 1TX	1	12.50%	26.0	26.0	26.0	25.7	26.0	25.7
GSM1900 EDGE 2TX	1	25.00%	26.0	26.0	26.0	22.7	26.0	22.7
GSM1900 EDGE 3TX	1	37.50%	26.0	26.0	26.0	20.9	26.0	20.9
GSM1900 EDGE 4TX	1	50.00%	26.0	26.0	26.0	19.7	26.0	19.7
WCDMA II	8	100.00%	25.00	22.20	25.00	17.00	25.00	17.00
WCDMA IV	8	100.00%	25.00	23.40	25.00	17.60	25.00	17.60
WCDMA V	8	100.00%	25.00	24.90	25.00	19.90	22.90	19.90
LTE B2	8	100.00%	25.00	21.90	25.00	17.90	24.80	17.90
CA_2C	8	100.00%	25.00	21.90	25.00	17.90	24.80	17.90
LTE B2	2	100.00%	21.50	21.50	21.50	20.80	21.50	20.80
LTE B4	8	100.00%	25.00	22.90	25.00	18.70	25.00	18.70
LTE B4	2	100.00%	21.50	21.50	21.50	18.70	21.50	18.70
LTE B5	8	100.00%	25.00	25.00	25.00	20.20	22.90	20.20
CA_5B	8	100.00%	25.00	25.00	25.00	20.20	22.90	20.20
LTE B7	1	100.00%	24.40	25.00	25.00	21.20	21.50	21.20
CA_7C	1	100.00%	24.40	25.00	25.00	21.20	21.50	21.20
LTE B12	8	100.00%	25.00	25.00	25.00	22.20	25.00	22.20
LTE B13	8	100.00%	25.00	25.00	25.00	21.10	24.40	21.10
LTE B17	8	100.00%	25.00	25.00	25.00	22.20	25.00	22.20
LTE B25	8	100.00%	25.00	21.90	25.00	17.90	24.80	17.90
LTE B26	8	100.00%	25.00	25.00	25.00	20.20	22.90	20.20
LTE B66	8	100.00%	25.00	22.90	25.00	18.70	25.00	18.70
CA_66B	8	100.00%	25.00	22.90	25.00	18.70	25.00	18.70
CA_66C	8	100.00%	25.00	22.90	25.00	18.70	25.00	18.70
LTE B66	2	100.00%	21.50	21.50	21.50	18.70	21.50	18.70
LTE B71	8	100.00%	25.00	25.00	25.00	24.40	25.00	24.40
LTE B38	1	62.90%	25.00	25.00	25.00	25.00	24.00	25.00
CA_38C (PC3)	1	62.90%	25.00	25.00	25.00	25.00	24.00	25.00



FCC SAR TEST REPORT

Report No. : FA5N2836B

LTE B41 (PC3)	1	62.90%	25.00	25.00	25.00	25.00	24.00	25.00
CA_41C (PC3)	1	62.90%	25.00	25.00	25.00	25.00	24.00	25.00
LTE B42 (PC3)	9	62.90%	23.30	18.60	25.00	17.30	20.50	17.30
LTE B43 (PC3)	9	62.90%	25.00	18.50	25.00	14.80	25.00	14.80
FR1 n2	8	100.00%	25.00	22.30	25.00	18.20	25.00	18.20
FR1 n2	2	100.00%	21.50	21.50	21.50	21.30	21.50	21.30
FR1 n5	8	100.00%	25.00	25.00	25.00	20.60	22.90	20.60
FR1 n7	8	100.00%	25.00	25.00	25.00	22.00	20.70	22.00
FR1 n12	8	100.00%	25.00	25.00	25.00	22.50	25.00	22.50
FR1 n25	8	100.00%	25.00	22.30	25.00	18.20	25.00	18.20
FR1 n26	8	100.00%	25.00	25.00	25.00	20.60	22.90	20.60
FR1 n66	8	100.00%	25.00	23.50	25.00	19.00	25.00	19.00
FR1 n66	2	100.00%	21.50	21.50	21.50	18.90	21.50	18.90
FR1 n71	8	100.00%	25.00	25.00	25.00	24.20	25.00	24.20
FR1 n38	1	100.00%	23.80	25.00	25.00	21.80	20.70	21.80
FR1 n41 (PC3)	1	100.00%	23.80	25.00	25.00	21.80	20.70	21.80
FR1 n41 (PC2)	1	50.00%	26.80	27.50	27.50	24.80	23.70	24.80
FR1 n41 (PC3)(SRS)	3	100.00%	24.50	19.70	24.50	16.50	24.50	16.50
FR1 n41 (PC2)(SRS)	3	50.00%	25.50	22.70	25.50	19.50	25.50	19.50
FR1 n41 (PC3)(SRS)	4	100.00%	23.50	22.50	23.50	18.90	23.50	18.90
FR1 n41 (PC2)(SRS)	4	50.00%	25.00	25.00	25.00	21.90	25.00	21.90
FR1 n41 (PC3)(SRS)	5	100.00%	22.50	21.60	22.50	18.00	22.50	18.00
FR1 n41 (PC2)(SRS)	5	50.00%	24.90	24.60	24.90	21.00	24.90	21.00
FR1 n77 (PC3)	9	100.00%	22.00	17.00	24.30	12.80	20.20	12.80
FR1 n77 (PC2)	9	50.00%	25.00	20.00	27.30	15.80	23.20	15.80
FR1 n77 (PC3)(Part96)	9	100.00%	22.00	17.00	22.50	12.80	20.20	12.80
FR1 n77 (PC3)(SRS)	8	100.00%	17.90	20.80	24.50	18.30	17.50	18.30
FR1 n77 (PC2)(SRS)	8	50.00%	20.90	23.80	26.00	21.30	20.50	21.30
FR1 n77 (PC3)(Part96)	8	100.00%	17.90	20.80	22.50	18.30	17.50	18.30
FR1 n77 (PC3)(SRS)	3	100.00%	25.50	17.90	25.50	13.10	25.50	13.10
FR1 n77 (PC2)(SRS)	3	50.00%	27.50	20.90	27.50	16.10	27.50	16.10
FR1 n77 (PC3)(Part96)(SRS)	3	100.00%	22.50	17.90	22.50	13.10	22.50	13.10
FR1 n77 (PC3)(SRS)	4	100.00%	24.50	18.20	24.50	14.70	20.80	14.70
FR1 n77 (PC2)(SRS)	4	50.00%	27.00	21.20	27.00	17.70	23.80	17.70
FR1 n77 (PC3)(Part96)(SRS)	4	100.00%	22.50	18.20	22.50	14.70	20.80	14.70
FR1 n78 (PC3)	9	100.00%	22.00	17.00	24.30	12.80	20.20	12.80
FR1 n78 (PC2)	9	50.00%	25.00	20.00	27.30	15.80	23.20	15.80
FR1 n78 (PC3)(SRS)	8	100.00%	17.90	20.80	24.50	18.30	17.50	18.30
FR1 n78 (PC2)(SRS)	8	50.00%	20.90	23.80	26.00	21.30	20.50	21.30
FR1 n78 (PC3)(SRS)	3	100.00%	25.50	17.90	25.50	13.10	25.50	13.10
FR1 n78 (PC2)(SRS)	3	50.00%	27.50	20.90	27.50	16.10	27.50	16.10
FR1 n78 (PC3)(SRS)	4	100.00%	24.50	18.20	24.50	14.70	20.80	14.70
FR1 n78 (PC2)(SRS)	4	50.00%	27.00	21.20	27.00	17.70	23.80	17.70

< WLAN Maximum Power >
General Note:

1. The device implements power management mechanisms to ensure WLAN SAR compliance under various exposure conditions and user scenarios. For each exposure condition, the transmit power index is selected based on the specific user scenario as tested and documented in Sections 14 of this report. Detailed information regarding the proprietary power management logic is provided in the operational description.

CTL

				non-DBS & DBS			
				non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
2.4GHz WLAN	Mode	Channel	Frequency (MHz)				
	802.11b 1Mbps	1	2412	19.00	19.00	22.00	
		6	2437	19.00	19.00	22.00	
		11	2462	19.00	19.00	22.00	
		12	2467	12.00	12.00	15.00	
		13	2472	8.50	8.50	11.50	
	802.11g 6Mbps	1	2412	19.50	19.50	22.50	
		6	2437	21.00	21.00	24.00	
		11	2462	18.50	18.50	21.50	
		12	2467	13.00	13.00	16.00	
		13	2472	5.00	5.00	8.00	
	802.11n-HT20 MCS0	1	2412	18.50	18.50	21.50	
		6	2437	21.00	21.00	24.00	
		11	2462	14.50	14.50	17.50	
		12	2467	15.00	15.00	18.00	
		13	2472	1.00	1.00	4.00	
	802.11n-HT40 MCS0	3	2422	15.00	15.00	18.00	
		6	2437	17.00	17.00	20.00	
		9	2452	15.00	15.00	18.00	
	802.11ac-VHT20 MCS0	1	2412	18.50	18.50	21.50	
		6	2437	21.00	21.00	24.00	
		11	2462	14.50	14.50	17.50	
		12	2467	15.00	15.00	18.00	
		13	2472	1.00	1.00	4.00	
	802.11ac-VHT40 MCS0	3	2422	15.00	15.00	18.00	
		6	2437	17.00	17.00	20.00	
		9	2452	15.00	15.00	18.00	
	802.11ax-HE20 MCS0	1	2412	18.50	18.50	21.50	18.50
		6	2437	21.00	21.00	24.00	21.00
		11	2462	14.50	14.50	17.50	14.50
		12	2467	15.00	15.00	18.00	15.00
		13	2472	1.00	1.00	4.00	1.00
	802.11ax-HE40 MCS0	3	2422	15.00	15.00	18.00	15.00
		6	2437	17.00	17.00	20.00	17.00
		9	2452	15.00	15.00	18.00	15.00

				non-DBS & DBS			
				non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	19.00	19.00	22.00	
		40	5200	19.50	19.50	22.50	
		44	5220	19.50	19.50	22.50	
		48	5240	20.00	20.00	23.00	
	802.11n-HT20 MCS0	36	5180	19.50	19.50	22.50	
		40	5200	20.50	20.50	23.50	
		44	5220	20.50	20.50	23.50	
		48	5240	21.00	21.00	24.00	
	802.11n-HT40 MCS0	38	5190	18.00	18.00	21.00	
		46	5230	19.50	19.50	22.50	
	802.11ac-VHT20 MCS0	36	5180	19.50	19.50	22.50	
		40	5200	20.50	20.50	23.50	
		44	5220	20.50	20.50	23.50	
		48	5240	21.00	21.00	24.00	
	802.11ac-VHT40 MCS0	38	5190	18.00	18.00	21.00	
		46	5230	19.50	19.50	22.50	
	802.11ac-VHT80 MCS0	42	5210	17.50	17.50	20.50	
	802.11ax-HE20 MCS0	36	5180	19.50	19.50	22.50	19.50
		40	5200	20.50	20.50	23.50	20.50
		44	5220	20.50	20.50	23.50	20.50
		48	5240	21.00	21.00	24.00	21.00
	802.11ax-HE40 MCS0	38	5190	18.00	18.00	21.00	18.00
		46	5230	19.50	19.50	22.50	19.50
	802.11ax-HE80 MCS0	42	5210	17.50	17.50	20.50	17.50



				non-DBS & DBS			
				non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.3GHz WLAN	Mode	Channel	Frequency (MHz)				
	802.11a 6Mbps	52	5260	20.00	20.00	23.00	
		56	5280	20.00	20.00	23.00	
		60	5300	20.00	20.00	23.00	
		64	5320	20.00	20.00	23.00	
	802.11n-HT20 MCS0	52	5260	20.50	20.50	23.50	
		56	5280	20.50	20.50	23.50	
		60	5300	20.50	20.50	23.50	
		64	5320	20.00	20.00	23.00	
	802.11n-HT40 MCS0	54	5270	21.00	21.00	24.00	
		62	5310	17.00	17.00	20.00	
	802.11ac-VHT20 MCS0	52	5260	20.50	20.50	23.50	
		56	5280	20.50	20.50	23.50	
		60	5300	20.50	20.50	23.50	
		64	5320	20.00	20.00	23.00	
	802.11ac-VHT40 MCS0	54	5270	21.00	21.00	24.00	
		62	5310	17.00	17.00	20.00	
	802.11ac-VHT80 MCS0	58	5290	17.50	17.50	20.50	
	802.11ac-VHT160 MCS0	50	5250	14.00	14.00	17.00	
	802.11ax-HE20 MCS0	52	5260	20.50	20.50	23.50	20.50
		56	5280	20.50	20.50	23.50	20.50
		60	5300	20.50	20.50	23.50	20.50
		64	5320	20.00	20.00	23.00	20.00
	802.11ax-HE40 MCS0	54	5270	21.00	21.00	24.00	21.00
		62	5310	17.00	17.00	20.00	17.00
	802.11ax-HE80 MCS0	58	5290	17.50	17.50	20.50	17.50
	802.11ax-HE160 MCS0	50	5250	14.00	14.00	17.00	14.00



				non-DBS & DBS			
				non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.5GHz WLAN	Mode	Channel	Frequency (MHz)				
	802.11a 6Mbps	100	5500	20.00	20.00	23.00	
		116	5580	20.00	20.00	23.00	
		124	5620	20.00	20.00	23.00	
		132	5660	20.00	20.00	23.00	
		144	5720	20.00	20.00	23.00	
	802.11n-HT20 MCS0	100	5500	20.00	20.00	23.00	
		116	5580	20.50	20.50	23.50	
		124	5620	20.50	20.50	23.50	
		132	5660	20.50	20.50	23.50	
		144	5720	20.50	20.50	23.50	
	802.11n-HT40 MCS0	102	5510	19.50	19.50	22.50	
		110	5550	20.50	20.50	23.50	
		126	5630	20.50	20.50	23.50	
		134	5670	19.50	19.50	22.50	
		142	5710	20.50	20.50	23.50	
	802.11ac-VHT20 MCS0	100	5500	20.00	20.00	23.00	
		116	5580	20.50	20.50	23.50	
		124	5620	20.50	20.50	23.50	
		132	5660	20.50	20.50	23.50	
		144	5720	20.50	20.50	23.50	
	802.11ac-VHT40 MCS0	102	5510	19.50	19.50	22.50	
		110	5550	20.50	20.50	23.50	
		126	5630	20.50	20.50	23.50	
		134	5670	19.50	19.50	22.50	
		142	5710	20.50	20.50	23.50	
	802.11ac-VHT80 MCS0	106	5530	18.00	18.00	21.00	
		122	5610	20.00	20.00	23.00	
		138	5690	20.50	20.50	23.50	
	802.11ac-VHT160 MCS0	114	5570	14.00	14.00	17.00	
	802.11ax-HE20 MCS0	100	5500	20.00	20.00	23.00	20.00
		116	5580	20.50	20.50	23.50	20.50
		124	5620	20.50	20.50	23.50	20.50
		132	5660	20.50	20.50	23.50	20.50
		144	5720	20.50	20.50	23.50	20.50
	802.11ax-HE40 MCS0	102	5510	19.50	19.50	22.50	19.50
		110	5550	20.50	20.50	23.50	20.50
		126	5630	20.50	20.50	23.50	20.50
		134	5670	19.50	19.50	22.50	19.50
		142	5710	20.50	20.50	23.50	20.50
	802.11ax-HE80 MCS0	106	5530	18.00	18.00	21.00	18.00
		122	5610	20.00	20.00	23.00	20.00
		138	5690	20.50	20.50	23.50	20.50
	802.11ax-HE160 MCS0	114	5570	14.50	14.50	17.50	14.50

				non-DBS & DBS			
				non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	20.00	20.00	23.00	
		157	5785	20.00	20.00	23.00	
		165	5825	20.00	20.00	23.00	
	802.11n-HT20 MCS0	149	5745	20.00	20.00	23.00	
		157	5785	20.00	20.00	23.00	
		165	5825	20.00	20.00	23.00	
	802.11n-HT40 MCS0	151	5755	20.00	20.00	23.00	
		159	5795	20.00	20.00	23.00	
	802.11ac-VHT20 MCS0	149	5745	20.00	20.00	23.00	
		157	5785	20.00	20.00	23.00	
		165	5825	20.00	20.00	23.00	
	802.11ac-VHT40 MCS0	151	5755	20.00	20.00	23.00	
		159	5795	20.00	20.00	23.00	
	802.11ac-VHT80 MCS0	155	5775	19.50	19.50	22.50	
	802.11ax-HE20 MCS0	149	5745	20.00	20.00	23.00	20.00
		157	5785	20.00	20.00	23.00	20.00
		165	5825	20.00	20.00	23.00	20.00
	802.11ax-HE40 MCS0	151	5755	20.00	20.00	23.00	20.00
		159	5795	20.00	20.00	23.00	20.00
	802.11ax-HE80 MCS0	155	5775	19.50	19.50	22.50	19.50

				non-DBS & DBS			
				non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
WiFi 6E (SP)	802.11a 6Mbps	1	5955	17.00	17.00	20.00	
		57	6235	17.00	17.00	20.00	
		173	6815	15.00	15.00	18.00	
	802.11ax-HE20 MCS0	1	5955	17.00	17.00	20.00	17.00
		57	6235	17.00	17.00	20.00	17.00
		173	6815	15.00	15.00	18.00	15.00
	802.11ax-HE40 MCS0	3	5965	17.00	17.00	20.00	17.00
		59	6245	17.00	17.00	20.00	17.00
		171	6805	15.00	15.00	18.00	15.00
	802.11ax-HE80 MCS0	7	5985	17.00	17.00	20.00	17.00
		71	6305	17.00	17.00	20.00	17.00
		167	6785	15.00	15.00	18.00	15.00
	802.11ax-HE160 MCS0	15	6025	17.00	17.00	20.00	17.00
		47	6185	17.00	17.00	20.00	17.00
		143	6665	15.00	15.00	18.00	15.00



				non-DBS & DBS			
				non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
WiFi 6E (LPI)	Mode	Channel	Frequency (MHz)				
	802.11a 6Mbps	1	5955	3.50	3.50	6.50	
		57	6235	3.50	3.50	6.50	
		113	6515	3.50	3.50	6.50	
		173	6815	4.00	4.00	7.00	
		233	7115	4.00	4.00	7.00	
	802.11ax-HE20 MCS0	1	5955	7.50	7.50	10.50	7.50
		57	6235	7.50	7.50	10.50	7.50
		113	6515	7.50	7.50	10.50	7.50
		173	6815	8.00	8.00	11.00	8.00
		233	7115	8.00	8.00	11.00	8.00
	802.11ax-HE40 MCS0	3	5965	10.00	10.00	13.00	10.00
		59	6245	10.00	10.00	13.00	10.00
		107	6485	10.50	10.50	13.50	10.50
		171	6805	10.50	10.50	13.50	10.50
		227	7085	10.00	10.00	13.00	10.00
	802.11ax-HE80 MCS0	7	5985	13.00	13.00	16.00	13.00
		71	6305	13.00	13.00	16.00	13.00
		119	6545	13.00	13.00	16.00	13.00
		167	6785	14.00	14.00	17.00	14.00
		215	7025	14.00	14.00	17.00	14.00
	802.11ax-HE160 MCS0	15	6025	16.00	16.00	19.00	16.00
		47	6185	16.00	16.00	19.00	16.00
		111	6505	16.00	16.00	19.00	16.00
		143	6665	15.50	15.50	18.50	15.50
		207	6985	16.50	16.50	19.50	16.50

**Power Table 0**

				non-DBS				DBS			
				non BF			BF	non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6	Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	18.50	18.50	21.50		16.50	16.50	19.50	
		6	2437	18.50	18.50	21.50		16.50	16.50	19.50	
		11	2462	18.50	18.50	21.50		16.50	16.50	19.50	
		12	2467	12.50	12.50	15.50		12.50	12.50	15.50	
		13	2472	8.50	8.50	11.50		8.50	8.50	11.50	
	802.11g 6Mbps	1	2412	18.50	18.50	21.50		16.50	16.50	19.50	
		6	2437	18.50	18.50	21.50		16.50	16.50	19.50	
		11	2462	18.50	18.50	21.50		16.50	16.50	19.50	
		12	2467	13.00	13.00	16.00		13.00	13.00	16.00	
		13	2472	5.00	5.00	8.00		5.00	5.00	8.00	
	802.11n-HT20 MCS0	1	2412	18.50	18.50	21.50		16.50	16.50	19.50	
		6	2437	18.50	18.50	21.50		16.50	16.50	19.50	
		11	2462	14.50	14.50	17.50		14.50	14.50	17.50	
		12	2467	15.00	15.00	18.00		15.00	15.00	18.00	
		13	2472	1.00	1.00	4.00		1.00	1.00	4.00	
	802.11n-HT40 MCS0	3	2422	15.00	15.00	18.00		15.00	15.00	18.00	
		6	2437	17.00	17.00	20.00		16.50	16.50	19.50	
		9	2452	15.00	15.00	18.00		15.00	15.00	18.00	
	802.11ac-VHT20 MCS0	1	2412	18.50	18.50	21.50		16.50	16.50	19.50	
		6	2437	18.50	18.50	21.50		16.50	16.50	19.50	
		11	2462	14.50	14.50	17.50		14.50	14.50	17.50	
		12	2467	15.00	15.00	18.00		15.00	15.00	18.00	
		13	2472	1.00	1.00	4.00		1.00	1.00	4.00	
	802.11ac-VHT40 MCS0	3	2422	15.00	15.00	18.00		15.00	15.00	18.00	
		6	2437	17.00	17.00	20.00		16.50	16.50	19.50	
		9	2452	15.00	15.00	18.00		15.00	15.00	18.00	
	802.11ax-HE20 MCS0	1	2412	18.50	18.50	21.50	18.50	16.50	16.50	19.50	16.50
		6	2437	18.50	18.50	21.50	18.50	16.50	16.50	19.50	16.50
		11	2462	14.50	14.50	17.50	14.50	14.50	14.50	17.50	14.50
		12	2467	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		13	2472	1.00	1.00	4.00	1.00	1.00	1.00	4.00	1.00
	802.11ax-HE40 MCS0	3	2422	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		6	2437	17.00	17.00	20.00	17.00	16.50	16.50	19.50	16.50
		9	2452	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00

				non-DBS				DBS			
				non BF			BF	non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6	Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	18.50	18.50	21.50		16.00	16.00	19.00	
		40	5200	18.50	18.50	21.50		16.00	16.00	19.00	
		44	5220	18.50	18.50	21.50		16.00	16.00	19.00	
		48	5240	18.50	18.50	21.50		16.00	16.00	19.00	
	802.11n-HT20 MCS0	36	5180	18.50	18.50	21.50		16.00	16.00	19.00	
		40	5200	18.50	18.50	21.50		16.00	16.00	19.00	
		44	5220	18.50	18.50	21.50		16.00	16.00	19.00	
		48	5240	18.50	18.50	21.50		16.00	16.00	19.00	
	802.11n-HT40 MCS0	38	5190	17.50	17.50	20.50		16.00	16.00	19.00	
		46	5230	18.50	18.50	21.50		16.00	16.00	19.00	
	802.11ac-VHT20 MCS0	36	5180	18.50	18.50	21.50		16.00	16.00	19.00	
		40	5200	18.50	18.50	21.50		16.00	16.00	19.00	
		44	5220	18.50	18.50	21.50		16.00	16.00	19.00	
		48	5240	18.50	18.50	21.50		16.00	16.00	19.00	
	802.11ac-VHT40 MCS0	38	5190	17.50	17.50	20.50		16.00	16.00	19.00	
		46	5230	18.50	18.50	21.50		16.00	16.00	19.00	
	802.11ac-VHT80 MCS0	42	5210	17.50	17.50	20.50		16.00	16.00	19.00	
	802.11ax-HE20 MCS0	36	5180	18.50	18.50	21.50	18.50	16.00	16.00	19.00	16.00
		40	5200	18.50	18.50	21.50	18.50	16.00	16.00	19.00	16.00
		44	5220	18.50	18.50	21.50	18.50	16.00	16.00	19.00	16.00
		48	5240	18.50	18.50	21.50	18.50	16.00	16.00	19.00	16.00
	802.11ax-HE40 MCS0	38	5190	17.50	17.50	20.50	17.50	16.00	16.00	19.00	16.00
		46	5230	18.50	18.50	21.50	18.50	16.00	16.00	19.00	16.00
	802.11ax-HE80 MCS0	42	5210	17.50	17.50	20.50	17.50	16.00	16.00	19.00	16.00

				non-DBS				DBS			
				non BF			BF	non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6	Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.50	18.50	21.50		16.00	16.00	19.00	
		56	5280	18.50	18.50	21.50		16.00	16.00	19.00	
		60	5300	18.50	18.50	21.50		16.00	16.00	19.00	
		64	5320	18.50	18.50	21.50		16.00	16.00	19.00	
	802.11n-HT20 MCS0	52	5260	18.50	18.50	21.50		16.00	16.00	19.00	
		56	5280	18.50	18.50	21.50		16.00	16.00	19.00	
		60	5300	18.50	18.50	21.50		16.00	16.00	19.00	
		64	5320	18.50	18.50	21.50		16.00	16.00	19.00	
	802.11n-HT40 MCS0	54	5270	18.50	18.50	21.50		16.00	16.00	19.00	
		62	5310	17.00	17.00	20.00		16.00	16.00	19.00	
	802.11ac-VHT20 MCS0	52	5260	18.50	18.50	21.50		16.00	16.00	19.00	
		56	5280	18.50	18.50	21.50		16.00	16.00	19.00	
		60	5300	18.50	18.50	21.50		16.00	16.00	19.00	
		64	5320	18.50	18.50	21.50		16.00	16.00	19.00	
	802.11ac-VHT40 MCS0	54	5270	18.50	18.50	21.50		16.00	16.00	19.00	
		62	5310	17.00	17.00	20.00		16.00	16.00	19.00	
	802.11ac-VHT80 MCS0	58	5290	17.50	17.50	20.50		16.00	16.00	19.00	
	802.11ac-VHT160 MCS0	50	5250	14.00	14.00	17.00		14.00	14.00	17.00	
	802.11ax-HE20 MCS0	52	5260	18.50	18.50	21.50	18.50	16.00	16.00	19.00	16.00
		56	5280	18.50	18.50	21.50	18.50	16.00	16.00	19.00	16.00
		60	5300	18.50	18.50	21.50	18.50	16.00	16.00	19.00	16.00
		64	5320	18.50	18.50	21.50	18.50	16.00	16.00	19.00	16.00
	802.11ax-HE40 MCS0	54	5270	18.50	18.50	21.50	18.50	16.00	16.00	19.00	16.00
		62	5310	17.00	17.00	20.00	17.00	16.00	16.00	19.00	16.00
	802.11ax-HE80 MCS0	58	5290	17.50	17.50	20.50	17.50	16.00	16.00	19.00	16.00
	802.11ax-HE160 MCS0	50	5250	14.00	14.00	17.00	14.00	14.00	14.00	17.00	14.00

				non-DBS				DBS			
				non BF			BF	non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6	Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	19.00	19.00	22.00		17.50	17.50	20.50	
		116	5580	19.00	19.00	22.00		17.50	17.50	20.50	
		124	5620	19.00	19.00	22.00		17.50	17.50	20.50	
		132	5660	19.00	19.00	22.00		17.50	17.50	20.50	
		144	5720	19.00	19.00	22.00		17.50	17.50	20.50	
	802.11n-HT20 MCS0	100	5500	19.00	19.00	22.00		17.50	17.50	20.50	
		116	5580	19.00	19.00	22.00		17.50	17.50	20.50	
		124	5620	19.00	19.00	22.00		17.50	17.50	20.50	
		132	5660	19.00	19.00	22.00		17.50	17.50	20.50	
		144	5720	19.00	19.00	22.00		17.50	17.50	20.50	
	802.11n-HT40 MCS0	102	5510	19.00	19.00	22.00		17.50	17.50	20.50	
		110	5550	19.00	19.00	22.00		17.50	17.50	20.50	
		126	5630	19.00	19.00	22.00		17.50	17.50	20.50	
		134	5670	19.00	19.00	22.00		17.50	17.50	20.50	
		142	5710	19.00	19.00	22.00		17.50	17.50	20.50	
	802.11ac-VHT20 MCS0	100	5500	19.00	19.00	22.00		17.50	17.50	20.50	
		116	5580	19.00	19.00	22.00		17.50	17.50	20.50	
		124	5620	19.00	19.00	22.00		17.50	17.50	20.50	
		132	5660	19.00	19.00	22.00		17.50	17.50	20.50	
		144	5720	19.00	19.00	22.00		17.50	17.50	20.50	
	802.11ac-VHT40 MCS0	102	5510	19.00	19.00	22.00		17.50	17.50	20.50	
		110	5550	19.00	19.00	22.00		17.50	17.50	20.50	
		126	5630	19.00	19.00	22.00		17.50	17.50	20.50	
		134	5670	19.00	19.00	22.00		17.50	17.50	20.50	
		142	5710	19.00	19.00	22.00		17.50	17.50	20.50	
	802.11ac-VHT80 MCS0	106	5530	18.00	18.00	21.00		17.50	17.50	20.50	
		122	5610	19.00	19.00	22.00		17.50	17.50	20.50	
		138	5690	19.00	19.00	22.00		17.50	17.50	20.50	
	802.11ac-VHT160 MCS0	114	5570	14.00	14.00	17.00		14.00	14.00	17.00	
	802.11ax-HE20 MCS0	100	5500	19.00	19.00	22.00	19.00	17.50	17.50	20.50	17.50
		116	5580	19.00	19.00	22.00	19.00	17.50	17.50	20.50	17.50
		124	5620	19.00	19.00	22.00	19.00	17.50	17.50	20.50	17.50
		132	5660	19.00	19.00	22.00	19.00	17.50	17.50	20.50	17.50
		144	5720	19.00	19.00	22.00	19.00	17.50	17.50	20.50	17.50
	802.11ax-HE40 MCS0	102	5510	19.00	19.00	22.00	19.00	17.50	17.50	20.50	17.50
		110	5550	19.00	19.00	22.00	19.00	17.50	17.50	20.50	17.50
		126	5630	19.00	19.00	22.00	19.00	17.50	17.50	20.50	17.50
		134	5670	19.00	19.00	22.00	19.00	17.50	17.50	20.50	17.50
		142	5710	19.00	19.00	22.00	19.00	17.50	17.50	20.50	17.50
	802.11ax-HE80 MCS0	106	5530	18.00	18.00	21.00	18.00	17.50	17.50	20.50	17.50
		122	5610	19.00	19.00	22.00	19.00	17.50	17.50	20.50	17.50
		138	5690	19.00	19.00	22.00	19.00	17.50	17.50	20.50	17.50
	802.11ax-HE160 MCS0	114	5570	14.50	14.50	17.50	14.50	14.50	14.50	17.50	14.50

				non-DBS				DBS			
				non BF			BF	non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6	Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	19.00	19.00	22.00		17.50	17.50	20.50	
		157	5785	19.00	19.00	22.00		17.50	17.50	20.50	
		165	5825	19.00	19.00	22.00		17.50	17.50	20.50	
	802.11n-HT20 MCS0	149	5745	19.00	19.00	22.00		17.50	17.50	20.50	
		157	5785	19.00	19.00	22.00		17.50	17.50	20.50	
		165	5825	19.00	19.00	22.00		17.50	17.50	20.50	
	802.11n-HT40 MCS0	151	5755	19.00	19.00	22.00		17.50	17.50	20.50	
		159	5795	19.00	19.00	22.00		17.50	17.50	20.50	
	802.11ac-VHT20 MCS0	149	5745	19.00	19.00	22.00		17.50	17.50	20.50	
		157	5785	19.00	19.00	22.00		17.50	17.50	20.50	
		165	5825	19.00	19.00	22.00		17.50	17.50	20.50	
	802.11ac-VHT40 MCS0	151	5755	19.00	19.00	22.00		17.50	17.50	20.50	
		159	5795	19.00	19.00	22.00		17.50	17.50	20.50	
	802.11ac-VHT80 MCS0	155	5775	19.00	19.00	22.00		17.50	17.50	20.50	
	802.11ax-HE20 MCS0	149	5745	19.00	19.00	22.00	19.00	17.50	17.50	20.50	17.50
		157	5785	19.00	19.00	22.00	19.00	17.50	17.50	20.50	17.50
		165	5825	19.00	19.00	22.00	19.00	17.50	17.50	20.50	17.50
	802.11ax-HE40 MCS0	151	5755	19.00	19.00	22.00	19.00	17.50	17.50	20.50	17.50
		159	5795	19.00	19.00	22.00	19.00	17.50	17.50	20.50	17.50
	802.11ax-HE80 MCS0	155	5775	19.00	19.00	22.00	19.00	17.50	17.50	20.50	17.50

				non-DBS				DBS			
				non BF			BF	non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6	Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
WiFi 6E (SP)	802.11a 6Mbps	1	5955	15.00	15.00	18.00		15.00	15.00	18.00	
		57	6235	15.00	15.00	18.00		15.00	15.00	18.00	
		173	6815	13.00	13.00	16.00		13.00	13.00	16.00	
	802.11ax-HE20 MCS0	1	5955	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		57	6235	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		173	6815	13.00	13.00	16.00	13.00	13.00	13.00	16.00	13.00
	802.11ax-HE40 MCS0	3	5965	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		59	6245	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		171	6805	13.00	13.00	16.00	13.00	13.00	13.00	16.00	13.00
	802.11ax-HE80 MCS0	7	5985	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		71	6305	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		167	6785	13.00	13.00	16.00	13.00	13.00	13.00	16.00	13.00
	802.11ax-HE160 MCS0	15	6025	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		47	6185	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		143	6665	13.00	13.00	16.00	13.00	13.00	13.00	16.00	13.00

				non BF			BF	non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6	Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
WiFi 6E (LPI)	802.11a 6Mbps	1	5955	3.50	3.50	6.50		3.50	3.50	6.50	
		57	6235	3.50	3.50	6.50		3.50	3.50	6.50	
		113	6515	3.50	3.50	6.50		3.50	3.50	6.50	
		173	6815	4.00	4.00	7.00		4.00	4.00	7.00	
		233	7115	4.00	4.00	7.00		4.00	4.00	7.00	
	802.11ax-HE20 MCS0	1	5955	7.50	7.50	10.50	7.50	7.50	7.50	10.50	7.50
		57	6235	7.50	7.50	10.50	7.50	7.50	7.50	10.50	7.50
		113	6515	7.50	7.50	10.50	7.50	7.50	7.50	10.50	7.50
		173	6815	8.00	8.00	11.00	8.00	8.00	8.00	11.00	8.00
		233	7115	8.00	8.00	11.00	8.00	8.00	8.00	11.00	8.00
	802.11ax-HE40 MCS0	3	5965	10.00	10.00	13.00	10.00	10.00	10.00	13.00	10.00
		59	6245	10.00	10.00	13.00	10.00	10.00	10.00	13.00	10.00
		107	6485	10.50	10.50	13.50	10.50	10.50	10.50	13.50	10.50
		171	6805	10.50	10.50	13.50	10.50	10.50	10.50	13.50	10.50
		227	7085	10.00	10.00	13.00	10.00	10.00	10.00	13.00	10.00
	802.11ax-HE80 MCS0	7	5985	13.00	13.00	16.00	13.00	13.00	13.00	16.00	13.00
		71	6305	13.00	13.00	16.00	13.00	13.00	13.00	16.00	13.00
		119	6545	13.00	13.00	16.00	13.00	13.00	13.00	16.00	13.00
		167	6785	13.00	13.00	16.00	13.00	13.00	13.00	16.00	13.00
		215	7025	13.00	13.00	16.00	13.00	13.00	13.00	16.00	13.00
	802.11ax-HE160 MCS0	15	6025	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		47	6185	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		111	6505	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		143	6665	13.00	13.00	16.00	13.00	13.00	13.00	16.00	13.00
		207	6985	13.00	13.00	16.00	13.00	13.00	13.00	16.00	13.00

Power Table 3

				non-DBS				DBS			
				non BF			BF	non BF			BF
				Ant 7 Tune-Up Limit	Ant 6 Tune-Up Limit	Ant 7+6 Tune-Up Limit	Ant 7+6 Tune-Up Limit	Ant 7 Tune-Up Limit	Ant 6 Tune-Up Limit	Ant 7+6 Tune-Up Limit	Ant 7+6 Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	18.50	18.50	21.50		15.00	15.00	18.00	
		6	2437	18.50	18.50	21.50		15.00	15.00	18.00	
		11	2462	18.50	18.50	21.50		15.00	15.00	18.00	
		12	2467	12.50	12.50	15.50		12.50	12.50	15.50	
		13	2472	8.50	8.50	11.50		8.50	8.50	11.50	
	802.11g 6Mbps	1	2412	18.50	18.50	21.50		15.00	15.00	18.00	
		6	2437	18.50	18.50	21.50		15.00	15.00	18.00	
		11	2462	18.50	18.50	21.50		15.00	15.00	18.00	
		12	2467	13.00	13.00	16.00		13.00	13.00	16.00	
		13	2472	5.00	5.00	8.00		5.00	5.00	8.00	
	802.11n-HT20 MCS0	1	2412	18.50	18.50	21.50		15.00	15.00	18.00	
		6	2437	18.50	18.50	21.50		15.00	15.00	18.00	
		11	2462	14.50	14.50	17.50		14.50	14.50	17.50	
		12	2467	15.00	15.00	18.00		15.00	15.00	18.00	
		13	2472	1.00	1.00	4.00		1.00	1.00	4.00	
	802.11n-HT40 MCS0	3	2422	15.00	15.00	18.00		15.00	15.00	18.00	
		6	2437	17.00	17.00	20.00		15.00	15.00	18.00	
		9	2452	15.00	15.00	18.00		15.00	15.00	18.00	
	802.11ac-VHT20 MCS0	1	2412	18.50	18.50	21.50		15.00	15.00	18.00	
		6	2437	18.50	18.50	21.50		15.00	15.00	18.00	
		11	2462	14.50	14.50	17.50		14.50	14.50	17.50	
		12	2467	15.00	15.00	18.00		15.00	15.00	18.00	
		13	2472	1.00	1.00	4.00		1.00	1.00	4.00	
	802.11ac-VHT40 MCS0	3	2422	15.00	15.00	18.00		15.00	15.00	18.00	
		6	2437	17.00	17.00	20.00		15.00	15.00	18.00	
		9	2452	15.00	15.00	18.00		15.00	15.00	18.00	
	802.11ax-HE20 MCS0	1	2412	18.50	18.50	21.50	18.50	15.00	15.00	18.00	15.00
		6	2437	18.50	18.50	21.50	18.50	15.00	15.00	18.00	15.00
		11	2462	14.50	14.50	17.50	14.50	14.50	14.50	17.50	14.50
		12	2467	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		13	2472	1.00	1.00	4.00	1.00	1.00	1.00	4.00	1.00
	802.11ax-HE40 MCS0	3	2422	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		6	2437	17.00	17.00	20.00	17.00	15.00	15.00	18.00	15.00
		9	2452	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00

				non-DBS				DBS			
				non BF			BF	non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6	Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	18.50	18.50	21.50		15.00	15.00	18.00	
		40	5200	18.50	18.50	21.50		15.00	15.00	18.00	
		44	5220	18.50	18.50	21.50		15.00	15.00	18.00	
		48	5240	18.50	18.50	21.50		15.00	15.00	18.00	
	802.11n-HT20 MCS0	36	5180	18.50	18.50	21.50		15.00	15.00	18.00	
		40	5200	18.50	18.50	21.50		15.00	15.00	18.00	
		44	5220	18.50	18.50	21.50		15.00	15.00	18.00	
		48	5240	18.50	18.50	21.50		15.00	15.00	18.00	
	802.11n-HT40 MCS0	38	5190	17.50	17.50	20.50		15.00	15.00	18.00	
		46	5230	18.50	18.50	21.50		15.00	15.00	18.00	
	802.11ac-VHT20 MCS0	36	5180	18.50	18.50	21.50		15.00	15.00	18.00	
		40	5200	18.50	18.50	21.50		15.00	15.00	18.00	
		44	5220	18.50	18.50	21.50		15.00	15.00	18.00	
		48	5240	18.50	18.50	21.50		15.00	15.00	18.00	
	802.11ac-VHT40 MCS0	38	5190	17.50	17.50	20.50		15.00	15.00	18.00	
		46	5230	18.50	18.50	21.50		15.00	15.00	18.00	
	802.11ac-VHT80 MCS0	42	5210	17.50	17.50	20.50		15.00	15.00	18.00	
	802.11ax-HE20 MCS0	36	5180	18.50	18.50	21.50	18.50	15.00	15.00	18.00	15.00
		40	5200	18.50	18.50	21.50	18.50	15.00	15.00	18.00	15.00
		44	5220	18.50	18.50	21.50	18.50	15.00	15.00	18.00	15.00
		48	5240	18.50	18.50	21.50	18.50	15.00	15.00	18.00	15.00
	802.11ax-HE40 MCS0	38	5190	17.50	17.50	20.50	17.50	15.00	15.00	18.00	15.00
		46	5230	18.50	18.50	21.50	18.50	15.00	15.00	18.00	15.00
	802.11ax-HE80 MCS0	42	5210	17.50	17.50	20.50	17.50	15.00	15.00	18.00	15.00

				non-DBS				DBS			
				non BF			BF	non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6	Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.50	18.50	21.50		15.00	15.00	18.00	
		56	5280	18.50	18.50	21.50		15.00	15.00	18.00	
		60	5300	18.50	18.50	21.50		15.00	15.00	18.00	
		64	5320	18.50	18.50	21.50		15.00	15.00	18.00	
	802.11n-HT20 MCS0	52	5260	18.50	18.50	21.50		15.00	15.00	18.00	
		56	5280	18.50	18.50	21.50		15.00	15.00	18.00	
		60	5300	18.50	18.50	21.50		15.00	15.00	18.00	
		64	5320	18.50	18.50	21.50		15.00	15.00	18.00	
	802.11n-HT40 MCS0	54	5270	18.50	18.50	21.50		15.00	15.00	18.00	
		62	5310	17.00	17.00	20.00		15.00	15.00	18.00	
	802.11ac-VHT20 MCS0	52	5260	18.50	18.50	21.50		15.00	15.00	18.00	
		56	5280	18.50	18.50	21.50		15.00	15.00	18.00	
		60	5300	18.50	18.50	21.50		15.00	15.00	18.00	
		64	5320	18.50	18.50	21.50		15.00	15.00	18.00	
	802.11ac-VHT40 MCS0	54	5270	18.50	18.50	21.50		15.00	15.00	18.00	
		62	5310	17.00	17.00	20.00		15.00	15.00	18.00	
	802.11ac-VHT80 MCS0	58	5290	17.50	17.50	20.50		15.00	15.00	18.00	
	802.11ac-VHT160 MCS0	50	5250	14.00	14.00	17.00		14.00	14.00	17.00	
	802.11ax-HE20 MCS0	52	5260	18.50	18.50	21.50	18.50	15.00	15.00	18.00	15.00
		56	5280	18.50	18.50	21.50	18.50	15.00	15.00	18.00	15.00
		60	5300	18.50	18.50	21.50	18.50	15.00	15.00	18.00	15.00
		64	5320	18.50	18.50	21.50	18.50	15.00	15.00	18.00	15.00
	802.11ax-HE40 MCS0	54	5270	18.50	18.50	21.50	18.50	15.00	15.00	18.00	15.00
		62	5310	17.00	17.00	20.00	17.00	15.00	15.00	18.00	15.00
	802.11ax-HE80 MCS0	58	5290	17.50	17.50	20.50	17.50	15.00	15.00	18.00	15.00
	802.11ax-HE160 MCS0	50	5250	14.00	14.00	17.00	14.00	14.00	14.00	17.00	14.00

				non-DBS				DBS			
				non BF			BF	non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6	Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	19.00	19.00	22.00		16.00	16.00	19.00	
		116	5580	19.00	19.00	22.00		16.00	16.00	19.00	
		124	5620	19.00	19.00	22.00		16.00	16.00	19.00	
		132	5660	19.00	19.00	22.00		16.00	16.00	19.00	
		144	5720	19.00	19.00	22.00		16.00	16.00	19.00	
	802.11n-HT20 MCS0	100	5500	19.00	19.00	22.00		16.00	16.00	19.00	
		116	5580	19.00	19.00	22.00		16.00	16.00	19.00	
		124	5620	19.00	19.00	22.00		16.00	16.00	19.00	
		132	5660	19.00	19.00	22.00		16.00	16.00	19.00	
		144	5720	19.00	19.00	22.00		16.00	16.00	19.00	
	802.11n-HT40 MCS0	102	5510	19.00	19.00	22.00		16.00	16.00	19.00	
		110	5550	19.00	19.00	22.00		16.00	16.00	19.00	
		126	5630	19.00	19.00	22.00		16.00	16.00	19.00	
		134	5670	19.00	19.00	22.00		16.00	16.00	19.00	
		142	5710	19.00	19.00	22.00		16.00	16.00	19.00	
	802.11ac-VHT20 MCS0	100	5500	19.00	19.00	22.00		16.00	16.00	19.00	
		116	5580	19.00	19.00	22.00		16.00	16.00	19.00	
		124	5620	19.00	19.00	22.00		16.00	16.00	19.00	
		132	5660	19.00	19.00	22.00		16.00	16.00	19.00	
		144	5720	19.00	19.00	22.00		16.00	16.00	19.00	
	802.11ac-VHT40 MCS0	102	5510	19.00	19.00	22.00		16.00	16.00	19.00	
		110	5550	19.00	19.00	22.00		16.00	16.00	19.00	
		126	5630	19.00	19.00	22.00		16.00	16.00	19.00	
		134	5670	19.00	19.00	22.00		16.00	16.00	19.00	
		142	5710	19.00	19.00	22.00		16.00	16.00	19.00	
	802.11ac-VHT80 MCS0	106	5530	18.50	18.50	21.50		16.00	16.00	19.00	
		122	5610	19.00	19.00	22.00		16.00	16.00	19.00	
		138	5690	19.00	19.00	22.00		16.00	16.00	19.00	
	802.11ac-VHT160 MCS0	114	5570	14.00	14.00	17.00		14.00	14.00	17.00	
	802.11ax-HE20 MCS0	100	5500	19.00	19.00	22.00	19.00	16.00	16.00	19.00	16.00
		116	5580	19.00	19.00	22.00	19.00	16.00	16.00	19.00	16.00
		124	5620	19.00	19.00	22.00	19.00	16.00	16.00	19.00	16.00
		132	5660	19.00	19.00	22.00	19.00	16.00	16.00	19.00	16.00
		144	5720	19.00	19.00	22.00	19.00	16.00	16.00	19.00	16.00
	802.11ax-HE40 MCS0	102	5510	19.00	19.00	22.00	19.00	16.00	16.00	19.00	16.00
		110	5550	19.00	19.00	22.00	19.00	16.00	16.00	19.00	16.00
		126	5630	19.00	19.00	22.00	19.00	16.00	16.00	19.00	16.00
		134	5670	19.00	19.00	22.00	19.00	16.00	16.00	19.00	16.00
		142	5710	19.00	19.00	22.00	19.00	16.00	16.00	19.00	16.00
	802.11ax-HE80 MCS0	106	5530	18.50	18.50	21.50	18.50	16.00	16.00	19.00	16.00
		122	5610	19.00	19.00	22.00	19.00	16.00	16.00	19.00	16.00
		138	5690	19.00	19.00	22.00	19.00	16.00	16.00	19.00	16.00
	802.11ax-HE160 MCS0	114	5570	14.50	14.50	17.50	14.50	14.50	14.50	17.50	14.50

				non-DBS				DBS			
				non BF			BF	non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6	Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	19.00	19.00	22.00		16.50	16.50	19.50	
		157	5785	19.00	19.00	22.00		16.50	16.50	19.50	
		165	5825	19.00	19.00	22.00		16.50	16.50	19.50	
	802.11n-HT20 MCS0	149	5745	19.00	19.00	22.00		16.50	16.50	19.50	
		157	5785	19.00	19.00	22.00		16.50	16.50	19.50	
		165	5825	19.00	19.00	22.00		16.50	16.50	19.50	
	802.11n-HT40 MCS0	151	5755	19.00	19.00	22.00		16.50	16.50	19.50	
		159	5795	19.00	19.00	22.00		16.50	16.50	19.50	
	802.11ac-VHT20 MCS0	149	5745	19.00	19.00	22.00		16.50	16.50	19.50	
		157	5785	19.00	19.00	22.00		16.50	16.50	19.50	
		165	5825	19.00	19.00	22.00		16.50	16.50	19.50	
	802.11ac-VHT40 MCS0	151	5755	19.00	19.00	22.00		16.50	16.50	19.50	
		159	5795	19.00	19.00	22.00		16.50	16.50	19.50	
	802.11ac-VHT80 MCS0	155	5775	19.00	19.00	22.00		16.50	16.50	19.50	
	802.11ax-HE20 MCS0	149	5745	19.00	19.00	22.00	19.00	16.50	16.50	19.50	16.50
		157	5785	19.00	19.00	22.00	19.00	16.50	16.50	19.50	16.50
		165	5825	19.00	19.00	22.00	19.00	16.50	16.50	19.50	16.50
	802.11ax-HE40 MCS0	151	5755	19.00	19.00	22.00	19.00	16.50	16.50	19.50	16.50
		159	5795	19.00	19.00	22.00	19.00	16.50	16.50	19.50	16.50
	802.11ax-HE80 MCS0	155	5775	19.00	19.00	22.00	19.00	16.50	16.50	19.50	16.50

				non-DBS				DBS			
				non BF			BF	non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6	Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
WiFi 6E (SP)	802.11a 6Mbps	1	5955	15.00	15.00	18.00		15.00	15.00	18.00	
		57	6235	15.00	15.00	18.00		15.00	15.00	18.00	
		173	6815	13.00	13.00	16.00		13.00	13.00	16.00	
	802.11ax-HE20 MCS0	1	5955	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		57	6235	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		173	6815	13.00	13.00	16.00	13.00	13.00	13.00	16.00	13.00
	802.11ax-HE40 MCS0	3	5965	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		59	6245	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		171	6805	13.00	13.00	16.00	13.00	13.00	13.00	16.00	13.00
	802.11ax-HE80 MCS0	7	5985	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		71	6305	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		167	6785	13.00	13.00	16.00	13.00	13.00	13.00	16.00	13.00
	802.11ax-HE160 MCS0	15	6025	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		47	6185	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		143	6665	13.00	13.00	16.00	13.00	13.00	13.00	16.00	13.00

				non BF			BF	non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6	Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
WiFi 6E (LPI)	802.11a 6Mbps	1	5955	3.50	3.50	6.50		3.50	3.50	6.50	
		57	6235	3.50	3.50	6.50		3.50	3.50	6.50	
		113	6515	3.50	3.50	6.50		3.50	3.50	6.50	
		173	6815	4.00	4.00	7.00		4.00	4.00	7.00	
		233	7115	4.00	4.00	7.00		4.00	4.00	7.00	
	802.11ax-HE20 MCS0	1	5955	7.50	7.50	10.50	7.50	7.50	7.50	10.50	7.50
		57	6235	7.50	7.50	10.50	7.50	7.50	7.50	10.50	7.50
		113	6515	7.50	7.50	10.50	7.50	7.50	7.50	10.50	7.50
		173	6815	8.00	8.00	11.00	8.00	8.00	8.00	11.00	8.00
		233	7115	8.00	8.00	11.00	8.00	8.00	8.00	11.00	8.00
	802.11ax-HE40 MCS0	3	5965	10.00	10.00	13.00	10.00	10.00	10.00	13.00	10.00
		59	6245	10.00	10.00	13.00	10.00	10.00	10.00	13.00	10.00
		107	6485	10.50	10.50	13.50	10.50	10.50	10.50	13.50	10.50
		171	6805	10.50	10.50	13.50	10.50	10.50	10.50	13.50	10.50
		227	7085	10.00	10.00	13.00	10.00	10.00	10.00	13.00	10.00
	802.11ax-HE80 MCS0	7	5985	13.00	13.00	16.00	13.00	13.00	13.00	16.00	13.00
		71	6305	13.00	13.00	16.00	13.00	13.00	13.00	16.00	13.00
		119	6545	13.00	13.00	16.00	13.00	13.00	13.00	16.00	13.00
		167	6785	13.00	13.00	16.00	13.00	13.00	13.00	16.00	13.00
		215	7025	13.00	13.00	16.00	13.00	13.00	13.00	16.00	13.00
	802.11ax-HE160 MCS0	15	6025	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		47	6185	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		111	6505	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		143	6665	13.00	13.00	16.00	13.00	13.00	13.00	16.00	13.00
		207	6985	13.00	13.00	16.00	13.00	13.00	13.00	16.00	13.00

Power Table 1

				non-DBS				DBS			
				non BF			BF	non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6	Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	17.00	17.00	20.00		15.00	15.00	18.00	
		6	2437	17.00	17.00	20.00		15.00	15.00	18.00	
		11	2462	17.00	17.00	20.00		15.00	15.00	18.00	
		12	2467	12.50	12.50	15.50		12.50	12.50	15.50	
		13	2472	8.50	8.50	11.50		8.50	8.50	11.50	
	802.11g 6Mbps	1	2412	17.00	17.00	20.00		15.00	15.00	18.00	
		6	2437	17.00	17.00	20.00		15.00	15.00	18.00	
		11	2462	17.00	17.00	20.00		15.00	15.00	18.00	
		12	2467	13.00	13.00	16.00		13.00	13.00	16.00	
		13	2472	5.00	5.00	8.00		5.00	5.00	8.00	
	802.11n-HT20 MCS0	1	2412	17.00	17.00	20.00		15.00	15.00	18.00	
		6	2437	17.00	17.00	20.00		15.00	15.00	18.00	
		11	2462	14.50	14.50	17.50		14.50	14.50	17.50	
		12	2467	15.00	15.00	18.00		15.00	15.00	18.00	
		13	2472	1.00	1.00	4.00		1.00	1.00	4.00	
	802.11n-HT40 MCS0	3	2422	15.00	15.00	18.00		15.00	15.00	18.00	
		6	2437	17.00	17.00	20.00		15.00	15.00	18.00	
		9	2452	15.00	15.00	18.00		15.00	15.00	18.00	
	802.11ac-VHT20 MCS0	1	2412	17.00	17.00	20.00		15.00	15.00	18.00	
		6	2437	17.00	17.00	20.00		15.00	15.00	18.00	
		11	2462	14.50	14.50	17.50		14.50	14.50	17.50	
		12	2467	15.00	15.00	18.00		15.00	15.00	18.00	
		13	2472	1.00	1.00	4.00		1.00	1.00	4.00	
	802.11ac-VHT40 MCS0	3	2422	15.00	15.00	18.00		15.00	15.00	18.00	
		6	2437	17.00	17.00	20.00		15.00	15.00	18.00	
		9	2452	15.00	15.00	18.00		15.00	15.00	18.00	
	802.11ax-HE20 MCS0	1	2412	17.00	17.00	20.00	17.00	15.00	15.00	18.00	15.00
		6	2437	17.00	17.00	20.00	17.00	15.00	15.00	18.00	15.00
		11	2462	14.50	14.50	17.50	14.50	14.50	14.50	17.50	14.50
		12	2467	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		13	2472	1.00	1.00	4.00	1.00	1.00	1.00	4.00	1.00
	802.11ax-HE40 MCS0	3	2422	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		6	2437	17.00	17.00	20.00	17.00	15.00	15.00	18.00	15.00
		9	2452	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00

				non-DBS				DBS			
				non BF			BF	non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6	Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	14.50	14.50	17.50		12.00	12.00	15.00	
		40	5200	14.50	14.50	17.50		12.00	12.00	15.00	
		44	5220	14.50	14.50	17.50		12.00	12.00	15.00	
		48	5240	14.50	14.50	17.50		12.00	12.00	15.00	
	802.11n-HT20 MCS0	36	5180	14.50	14.50	17.50		12.00	12.00	15.00	
		40	5200	14.50	14.50	17.50		12.00	12.00	15.00	
		44	5220	14.50	14.50	17.50		12.00	12.00	15.00	
		48	5240	14.50	14.50	17.50		12.00	12.00	15.00	
	802.11n-HT40 MCS0	38	5190	14.50	14.50	17.50		12.00	12.00	15.00	
		46	5230	14.50	14.50	17.50		12.00	12.00	15.00	
	802.11ac-VHT20 MCS0	36	5180	14.50	14.50	17.50		12.00	12.00	15.00	
		40	5200	14.50	14.50	17.50		12.00	12.00	15.00	
		44	5220	14.50	14.50	17.50		12.00	12.00	15.00	
		48	5240	14.50	14.50	17.50		12.00	12.00	15.00	
	802.11ac-VHT40 MCS0	38	5190	14.50	14.50	17.50		12.00	12.00	15.00	
		46	5230	14.50	14.50	17.50		12.00	12.00	15.00	
	802.11ac-VHT80 MCS0	42	5210	14.50	14.50	17.50		12.00	12.00	15.00	
	802.11ax-HE20 MCS0	36	5180	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00
		40	5200	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00
		44	5220	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00
		48	5240	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00
	802.11ax-HE40 MCS0	38	5190	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00
		46	5230	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00
	802.11ax-HE80 MCS0	42	5210	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00

				non-DBS				DBS			
				non BF		BF		non BF		BF	
				Ant 7	Ant 6	Ant 7+6	Ant 7+6	Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	16.50	16.50	19.50		13.50	13.50	16.50	
		157	5785	16.50	16.50	19.50		13.50	13.50	16.50	
		165	5825	16.50	16.50	19.50		13.50	13.50	16.50	
	802.11n-HT20 MCS0	149	5745	16.50	16.50	19.50		13.50	13.50	16.50	
		157	5785	16.50	16.50	19.50		13.50	13.50	16.50	
		165	5825	16.50	16.50	19.50		13.50	13.50	16.50	
	802.11n-HT40 MCS0	151	5755	16.50	16.50	19.50		13.50	13.50	16.50	
		159	5795	16.50	16.50	19.50		13.50	13.50	16.50	
	802.11ac-VHT20 MCS0	149	5745	16.50	16.50	19.50		13.50	13.50	16.50	
		157	5785	16.50	16.50	19.50		13.50	13.50	16.50	
		165	5825	16.50	16.50	19.50		13.50	13.50	16.50	
	802.11ac-VHT40 MCS0	151	5755	16.50	16.50	19.50		13.50	13.50	16.50	
		159	5795	16.50	16.50	19.50		13.50	13.50	16.50	
	802.11ac-VHT80 MCS0	155	5775	16.50	16.50	19.50		13.50	13.50	16.50	
	802.11ax-HE20 MCS0	149	5745	16.50	16.50	19.50	16.50	13.50	13.50	16.50	13.50
		157	5785	16.50	16.50	19.50	16.50	13.50	13.50	16.50	13.50
		165	5825	16.50	16.50	19.50	16.50	13.50	13.50	16.50	13.50
	802.11ax-HE40 MCS0	151	5755	16.50	16.50	19.50	16.50	13.50	13.50	16.50	13.50
		159	5795	16.50	16.50	19.50	16.50	13.50	13.50	16.50	13.50
	802.11ax-HE80 MCS0	155	5775	16.50	16.50	19.50	16.50	13.50	13.50	16.50	13.50

Power Table 5

				non-DBS				DBS			
				non BF			BF	non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6	Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	17.00	17.00	20.00		15.00	15.00	18.00	
		6	2437	17.00	17.00	20.00		15.00	15.00	18.00	
		11	2462	17.00	17.00	20.00		15.00	15.00	18.00	
		12	2467	12.50	12.50	15.50		12.50	12.50	15.50	
		13	2472	8.50	8.50	11.50		8.50	8.50	11.50	
	802.11g 6Mbps	1	2412	17.00	17.00	20.00		15.00	15.00	18.00	
		6	2437	17.00	17.00	20.00		15.00	15.00	18.00	
		11	2462	17.00	17.00	20.00		15.00	15.00	18.00	
		12	2467	13.00	13.00	16.00		13.00	13.00	16.00	
		13	2472	5.00	5.00	8.00		5.00	5.00	8.00	
	802.11n-HT20 MCS0	1	2412	17.00	17.00	20.00		15.00	15.00	18.00	
		6	2437	17.00	17.00	20.00		15.00	15.00	18.00	
		11	2462	14.50	14.50	17.50		14.50	14.50	17.50	
		12	2467	15.00	15.00	18.00		15.00	15.00	18.00	
		13	2472	1.00	1.00	4.00		1.00	1.00	4.00	
	802.11n-HT40 MCS0	3	2422	15.00	15.00	18.00		15.00	15.00	18.00	
		6	2437	17.00	17.00	20.00		15.00	15.00	18.00	
		9	2452	15.00	15.00	18.00		15.00	15.00	18.00	
	802.11ac-VHT20 MCS0	1	2412	17.00	17.00	20.00		15.00	15.00	18.00	
		6	2437	17.00	17.00	20.00		15.00	15.00	18.00	
		11	2462	14.50	14.50	17.50		14.50	14.50	17.50	
		12	2467	15.00	15.00	18.00		15.00	15.00	18.00	
		13	2472	1.00	1.00	4.00		1.00	1.00	4.00	
	802.11ac-VHT40 MCS0	3	2422	15.00	15.00	18.00		15.00	15.00	18.00	
		6	2437	17.00	17.00	20.00		15.00	15.00	18.00	
		9	2452	15.00	15.00	18.00		15.00	15.00	18.00	
	802.11ax-HE20 MCS0	1	2412	17.00	17.00	20.00	17.00	15.00	15.00	18.00	15.00
		6	2437	17.00	17.00	20.00	17.00	15.00	15.00	18.00	15.00
		11	2462	14.50	14.50	17.50	14.50	14.50	14.50	17.50	14.50
		12	2467	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		13	2472	1.00	1.00	4.00	1.00	1.00	1.00	4.00	1.00
	802.11ax-HE40 MCS0	3	2422	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		6	2437	17.00	17.00	20.00	17.00	15.00	15.00	18.00	15.00
		9	2452	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00

				non-DBS				DBS			
				non BF			BF	non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6	Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	14.50	14.50	17.50		12.00	12.00	15.00	
		40	5200	14.50	14.50	17.50		12.00	12.00	15.00	
		44	5220	14.50	14.50	17.50		12.00	12.00	15.00	
		48	5240	14.50	14.50	17.50		12.00	12.00	15.00	
	802.11n-HT20 MCS0	36	5180	14.50	14.50	17.50		12.00	12.00	15.00	
		40	5200	14.50	14.50	17.50		12.00	12.00	15.00	
		44	5220	14.50	14.50	17.50		12.00	12.00	15.00	
		48	5240	14.50	14.50	17.50		12.00	12.00	15.00	
	802.11n-HT40 MCS0	38	5190	14.50	14.50	17.50		12.00	12.00	15.00	
		46	5230	14.50	14.50	17.50		12.00	12.00	15.00	
	802.11ac-VHT20 MCS0	36	5180	14.50	14.50	17.50		12.00	12.00	15.00	
		40	5200	14.50	14.50	17.50		12.00	12.00	15.00	
		44	5220	14.50	14.50	17.50		12.00	12.00	15.00	
		48	5240	14.50	14.50	17.50		12.00	12.00	15.00	
	802.11ac-VHT40 MCS0	38	5190	14.50	14.50	17.50		12.00	12.00	15.00	
		46	5230	14.50	14.50	17.50		12.00	12.00	15.00	
	802.11ac-VHT80 MCS0	42	5210	14.50	14.50	17.50		12.00	12.00	15.00	
	802.11ax-HE20 MCS0	36	5180	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00
		40	5200	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00
		44	5220	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00
		48	5240	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00
	802.11ax-HE40 MCS0	38	5190	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00
		46	5230	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00
	802.11ax-HE80 MCS0	42	5210	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00

				non-DBS				DBS			
				non BF			BF	non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6	Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	16.50	16.50	19.50		13.50	13.50	16.50	
		157	5785	16.50	16.50	19.50		13.50	13.50	16.50	
		165	5825	16.50	16.50	19.50		13.50	13.50	16.50	
	802.11n-HT20 MCS0	149	5745	16.50	16.50	19.50		13.50	13.50	16.50	
		157	5785	16.50	16.50	19.50		13.50	13.50	16.50	
		165	5825	16.50	16.50	19.50		13.50	13.50	16.50	
	802.11n-HT40 MCS0	151	5755	16.50	16.50	19.50		13.50	13.50	16.50	
		159	5795	16.50	16.50	19.50		13.50	13.50	16.50	
	802.11ac-VHT20 MCS0	149	5745	16.50	16.50	19.50		13.50	13.50	16.50	
		157	5785	16.50	16.50	19.50		13.50	13.50	16.50	
		165	5825	16.50	16.50	19.50		13.50	13.50	16.50	
	802.11ac-VHT40 MCS0	151	5755	16.50	16.50	19.50		13.50	13.50	16.50	
		159	5795	16.50	16.50	19.50		13.50	13.50	16.50	
	802.11ac-VHT80 MCS0	155	5775	16.50	16.50	19.50		13.50	13.50	16.50	
	802.11ax-HE20 MCS0	149	5745	16.50	16.50	19.50	16.50	13.50	13.50	16.50	13.50
		157	5785	16.50	16.50	19.50	16.50	13.50	13.50	16.50	13.50
		165	5825	16.50	16.50	19.50	16.50	13.50	13.50	16.50	13.50
	802.11ax-HE40 MCS0	151	5755	16.50	16.50	19.50	16.50	13.50	13.50	16.50	13.50
		159	5795	16.50	16.50	19.50	16.50	13.50	13.50	16.50	13.50
	802.11ax-HE80 MCS0	155	5775	16.50	16.50	19.50	16.50	13.50	13.50	16.50	13.50

Power Table 2

				non-DBS				DBS			
				non BF			BF	non BF			BF
	Mode	Channel	Frequency (MHz)	Ant 7	Ant 6	Ant 7+6	Ant 7+6	Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	17.00	17.00	20.00		15.00	15.00	18.00	
		6	2437	17.00	17.00	20.00		15.00	15.00	18.00	
		11	2462	17.00	17.00	20.00		15.00	15.00	18.00	
		12	2467	12.50	12.50	15.50		12.50	12.50	15.50	
		13	2472	8.50	8.50	11.50		8.50	8.50	11.50	
	802.11g 6Mbps	1	2412	17.00	17.00	20.00		15.00	15.00	18.00	
		6	2437	17.00	17.00	20.00		15.00	15.00	18.00	
		11	2462	17.00	17.00	20.00		15.00	15.00	18.00	
		12	2467	13.00	13.00	16.00		13.00	13.00	16.00	
		13	2472	5.00	5.00	8.00		5.00	5.00	8.00	
	802.11n-HT20 MCS0	1	2412	17.00	17.00	20.00		15.00	15.00	18.00	
		6	2437	17.00	17.00	20.00		15.00	15.00	18.00	
		11	2462	14.50	14.50	17.50		14.50	14.50	17.50	
		12	2467	15.00	15.00	18.00		15.00	15.00	18.00	
		13	2472	1.00	1.00	4.00		1.00	1.00	4.00	
	802.11n-HT40 MCS0	3	2422	15.00	15.00	18.00		15.00	15.00	18.00	
		6	2437	17.00	17.00	20.00		15.00	15.00	18.00	
		9	2452	15.00	15.00	18.00		15.00	15.00	18.00	
	802.11ac-VHT20 MCS0	1	2412	17.00	17.00	20.00		15.00	15.00	18.00	
		6	2437	17.00	17.00	20.00		15.00	15.00	18.00	
		11	2462	14.50	14.50	17.50		14.50	14.50	17.50	
		12	2467	15.00	15.00	18.00		15.00	15.00	18.00	
		13	2472	1.00	1.00	4.00		1.00	1.00	4.00	
	802.11ac-VHT40 MCS0	3	2422	15.00	15.00	18.00		15.00	15.00	18.00	
		6	2437	17.00	17.00	20.00		15.00	15.00	18.00	
		9	2452	15.00	15.00	18.00		15.00	15.00	18.00	
	802.11ax-HE20 MCS0	1	2412	17.00	17.00	20.00	17.00	15.00	15.00	18.00	15.00
		6	2437	17.00	17.00	20.00	17.00	15.00	15.00	18.00	15.00
		11	2462	14.50	14.50	17.50	14.50	14.50	14.50	17.50	14.50
		12	2467	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		13	2472	1.00	1.00	4.00	1.00	1.00	1.00	4.00	1.00
	802.11ax-HE40 MCS0	3	2422	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00
		6	2437	17.00	17.00	20.00	17.00	15.00	15.00	18.00	15.00
		9	2452	15.00	15.00	18.00	15.00	15.00	15.00	18.00	15.00

				non-DBS				DBS			
				non BF			BF	non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6	Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	14.50	14.50	17.50		12.00	12.00	15.00	
		40	5200	14.50	14.50	17.50		12.00	12.00	15.00	
		44	5220	14.50	14.50	17.50		12.00	12.00	15.00	
		48	5240	14.50	14.50	17.50		12.00	12.00	15.00	
	802.11n-HT20 MCS0	36	5180	14.50	14.50	17.50		12.00	12.00	15.00	
		40	5200	14.50	14.50	17.50		12.00	12.00	15.00	
		44	5220	14.50	14.50	17.50		12.00	12.00	15.00	
		48	5240	14.50	14.50	17.50		12.00	12.00	15.00	
	802.11n-HT40 MCS0	38	5190	14.50	14.50	17.50		12.00	12.00	15.00	
		46	5230	14.50	14.50	17.50		12.00	12.00	15.00	
	802.11ac-VHT20 MCS0	36	5180	14.50	14.50	17.50		12.00	12.00	15.00	
		40	5200	14.50	14.50	17.50		12.00	12.00	15.00	
		44	5220	14.50	14.50	17.50		12.00	12.00	15.00	
		48	5240	14.50	14.50	17.50		12.00	12.00	15.00	
	802.11ac-VHT40 MCS0	38	5190	14.50	14.50	17.50		12.00	12.00	15.00	
		46	5230	14.50	14.50	17.50		12.00	12.00	15.00	
	802.11ac-VHT80 MCS0	42	5210	14.50	14.50	17.50		12.00	12.00	15.00	
	802.11ax-HE20 MCS0	36	5180	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00
		40	5200	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00
		44	5220	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00
		48	5240	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00
	802.11ax-HE40 MCS0	38	5190	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00
		46	5230	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00
	802.11ax-HE80 MCS0	42	5210	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00

				non-DBS				DBS			
				non BF			BF	non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6	Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	14.50	14.50	17.50		12.00	12.00	15.00	
		56	5280	14.50	14.50	17.50		12.00	12.00	15.00	
		60	5300	14.50	14.50	17.50		12.00	12.00	15.00	
		64	5320	14.50	14.50	17.50		12.00	12.00	15.00	
	802.11n-HT20 MCS0	52	5260	14.50	14.50	17.50		12.00	12.00	15.00	
		56	5280	14.50	14.50	17.50		12.00	12.00	15.00	
		60	5300	14.50	14.50	17.50		12.00	12.00	15.00	
		64	5320	14.50	14.50	17.50		12.00	12.00	15.00	
	802.11n-HT40 MCS0	54	5270	14.50	14.50	17.50		12.00	12.00	15.00	
		62	5310	14.50	14.50	17.50		12.00	12.00	15.00	
	802.11ac-VHT20 MCS0	52	5260	14.50	14.50	17.50		12.00	12.00	15.00	
		56	5280	14.50	14.50	17.50		12.00	12.00	15.00	
		60	5300	14.50	14.50	17.50		12.00	12.00	15.00	
		64	5320	14.50	14.50	17.50		12.00	12.00	15.00	
	802.11ac-VHT40 MCS0	54	5270	14.50	14.50	17.50		12.00	12.00	15.00	
		62	5310	14.50	14.50	17.50		12.00	12.00	15.00	
	802.11ac-VHT80 MCS0	58	5290	14.50	14.50	17.50		12.00	12.00	15.00	
	802.11ac-VHT160 MCS0	50	5250	14.00	14.00	17.00		12.00	12.00	15.00	
	802.11ax-HE20 MCS0	52	5260	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00
		56	5280	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00
		60	5300	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00
		64	5320	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00
	802.11ax-HE40 MCS0	54	5270	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00
		62	5310	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00
	802.11ax-HE80 MCS0	58	5290	14.50	14.50	17.50	14.50	12.00	12.00	15.00	12.00
	802.11ax-HE160 MCS0	50	5250	14.00	14.00	17.00	14.00	12.00	12.00	15.00	12.00

				non-DBS				DBS			
				non BF			BF	non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6	Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	15.50	15.50	18.50		12.50	12.50	15.50	
		116	5580	15.50	15.50	18.50		12.50	12.50	15.50	
		124	5620	15.50	15.50	18.50		12.50	12.50	15.50	
		132	5660	15.50	15.50	18.50		12.50	12.50	15.50	
		144	5720	15.50	15.50	18.50		12.50	12.50	15.50	
	802.11n-HT20 MCS0	100	5500	15.50	15.50	18.50		12.50	12.50	15.50	
		116	5580	15.50	15.50	18.50		12.50	12.50	15.50	
		124	5620	15.50	15.50	18.50		12.50	12.50	15.50	
		132	5660	15.50	15.50	18.50		12.50	12.50	15.50	
		144	5720	15.50	15.50	18.50		12.50	12.50	15.50	
	802.11n-HT40 MCS0	102	5510	15.50	15.50	18.50		12.50	12.50	15.50	
		110	5550	15.50	15.50	18.50		12.50	12.50	15.50	
		126	5630	15.50	15.50	18.50		12.50	12.50	15.50	
		134	5670	15.50	15.50	18.50		12.50	12.50	15.50	
		142	5710	15.50	15.50	18.50		12.50	12.50	15.50	
	802.11ac-VHT20 MCS0	100	5500	15.50	15.50	18.50		12.50	12.50	15.50	
		116	5580	15.50	15.50	18.50		12.50	12.50	15.50	
		124	5620	15.50	15.50	18.50		12.50	12.50	15.50	
		132	5660	15.50	15.50	18.50		12.50	12.50	15.50	
		144	5720	15.50	15.50	18.50		12.50	12.50	15.50	
	802.11ac-VHT40 MCS0	102	5510	15.50	15.50	18.50		12.50	12.50	15.50	
		110	5550	15.50	15.50	18.50		12.50	12.50	15.50	
		126	5630	15.50	15.50	18.50		12.50	12.50	15.50	
		134	5670	15.50	15.50	18.50		12.50	12.50	15.50	
		142	5710	15.50	15.50	18.50		12.50	12.50	15.50	
	802.11ac-VHT80 MCS0	106	5530	15.50	15.50	18.50		12.50	12.50	15.50	
		122	5610	15.50	15.50	18.50		12.50	12.50	15.50	
		138	5690	15.50	15.50	18.50		12.50	12.50	15.50	
	802.11ac-VHT160 MCS0	114	5570	14.00	14.00	17.00		12.50	12.50	15.50	
	802.11ax-HE20 MCS0	100	5500	15.50	15.50	18.50	15.50	12.50	12.50	15.50	12.50
		116	5580	15.50	15.50	18.50	15.50	12.50	12.50	15.50	12.50
		124	5620	15.50	15.50	18.50	15.50	12.50	12.50	15.50	12.50
		132	5660	15.50	15.50	18.50	15.50	12.50	12.50	15.50	12.50
		144	5720	15.50	15.50	18.50	15.50	12.50	12.50	15.50	12.50
	802.11ax-HE40 MCS0	102	5510	15.50	15.50	18.50	15.50	12.50	12.50	15.50	12.50
		110	5550	15.50	15.50	18.50	15.50	12.50	12.50	15.50	12.50
		126	5630	15.50	15.50	18.50	15.50	12.50	12.50	15.50	12.50
		134	5670	15.50	15.50	18.50	15.50	12.50	12.50	15.50	12.50
		142	5710	15.50	15.50	18.50	15.50	12.50	12.50	15.50	12.50
	802.11ax-HE80 MCS0	106	5530	15.50	15.50	18.50	15.50	12.50	12.50	15.50	12.50
		122	5610	15.50	15.50	18.50	15.50	12.50	12.50	15.50	12.50
		138	5690	15.50	15.50	18.50	15.50	12.50	12.50	15.50	12.50
	802.11ax-HE160 MCS0	114	5570	14.50	14.50	17.50	14.50	12.50	12.50	15.50	12.50

				non-DBS				DBS			
				non BF			BF	non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6	Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	16.50	16.50	19.50		13.50	13.50	16.50	
		157	5785	16.50	16.50	19.50		13.50	13.50	16.50	
		165	5825	16.50	16.50	19.50		13.50	13.50	16.50	
	802.11n-HT20 MCS0	149	5745	16.50	16.50	19.50		13.50	13.50	16.50	
		157	5785	16.50	16.50	19.50		13.50	13.50	16.50	
		165	5825	16.50	16.50	19.50		13.50	13.50	16.50	
	802.11n-HT40 MCS0	151	5755	16.50	16.50	19.50		13.50	13.50	16.50	
		159	5795	16.50	16.50	19.50		13.50	13.50	16.50	
	802.11ac-VHT20 MCS0	149	5745	16.50	16.50	19.50		13.50	13.50	16.50	
		157	5785	16.50	16.50	19.50		13.50	13.50	16.50	
		165	5825	16.50	16.50	19.50		13.50	13.50	16.50	
	802.11ac-VHT40 MCS0	151	5755	16.50	16.50	19.50		13.50	13.50	16.50	
		159	5795	16.50	16.50	19.50		13.50	13.50	16.50	
	802.11ac-VHT80 MCS0	155	5775	16.50	16.50	19.50		13.50	13.50	16.50	
	802.11ax-HE20 MCS0	149	5745	16.50	16.50	19.50	16.50	13.50	13.50	16.50	13.50
		157	5785	16.50	16.50	19.50	16.50	13.50	13.50	16.50	13.50
		165	5825	16.50	16.50	19.50	16.50	13.50	13.50	16.50	13.50
	802.11ax-HE40 MCS0	151	5755	16.50	16.50	19.50	16.50	13.50	13.50	16.50	13.50
		159	5795	16.50	16.50	19.50	16.50	13.50	13.50	16.50	13.50
	802.11ax-HE80 MCS0	155	5775	16.50	16.50	19.50	16.50	13.50	13.50	16.50	13.50

				non-DBS				DBS			
				non BF			BF	non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6	Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
WiFi 6E (SP)	802.11a 6Mbps	1	5955	8.50	8.50	11.50		8.50	8.50	11.50	
		57	6235	8.50	8.50	11.50		8.50	8.50	11.50	
		173	6815	10.00	10.00	13.00		10.00	10.00	13.00	
	802.11ax-HE20 MCS0	1	5955	8.50	8.50	11.50	8.50	8.50	8.50	11.50	8.50
		57	6235	8.50	8.50	11.50	8.50	8.50	8.50	11.50	8.50
		173	6815	10.00	10.00	13.00	10.00	10.00	10.00	13.00	10.00
	802.11ax-HE40 MCS0	3	5965	8.50	8.50	11.50	8.50	8.50	8.50	11.50	8.50
		59	6245	8.50	8.50	11.50	8.50	8.50	8.50	11.50	8.50
		171	6805	10.00	10.00	13.00	10.00	10.00	10.00	13.00	10.00
	802.11ax-HE80 MCS0	7	5985	8.50	8.50	11.50	8.50	8.50	8.50	11.50	8.50
		71	6305	8.50	8.50	11.50	8.50	8.50	8.50	11.50	8.50
		167	6785	10.00	10.00	13.00	10.00	10.00	10.00	13.00	10.00
	802.11ax-HE160 MCS0	15	6025	8.50	8.50	11.50	8.50	8.50	8.50	11.50	8.50
		47	6185	8.50	8.50	11.50	8.50	8.50	8.50	11.50	8.50
		143	6665	10.00	10.00	13.00	10.00	10.00	10.00	13.00	10.00

				non BF			BF	non BF			BF
				Ant 7	Ant 6	Ant 7+6	Ant 7+6	Ant 7	Ant 6	Ant 7+6	Ant 7+6
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
WiFi 6E (LPI)	Mode	Channel	Frequency (MHz)								
	802.11a 6Mbps	1	5955	3.50	3.50	6.50		3.50	3.50	6.50	
		57	6235	3.50	3.50	6.50		3.50	3.50	6.50	
		113	6515	3.50	3.50	6.50		3.50	3.50	6.50	
		173	6815	4.00	4.00	7.00		4.00	4.00	7.00	
		233	7115	4.00	4.00	7.00		4.00	4.00	7.00	
	802.11ax-HE20 MCS0	1	5955	7.50	7.50	10.50	7.50	7.50	7.50	10.50	7.50
		57	6235	7.50	7.50	10.50	7.50	7.50	7.50	10.50	7.50
		113	6515	7.50	7.50	10.50	7.50	7.50	7.50	10.50	7.50
		173	6815	8.00	8.00	11.00	8.00	8.00	8.00	11.00	8.00
		233	7115	8.00	8.00	11.00	8.00	8.00	8.00	11.00	8.00
	802.11ax-HE40 MCS0	3	5965	8.50	8.50	11.50	8.50	8.50	8.50	11.50	8.50
		59	6245	8.50	8.50	11.50	8.50	8.50	8.50	11.50	8.50
		107	6485	10.00	10.00	13.00	10.00	10.00	10.00	13.00	10.00
		171	6805	10.00	10.00	13.00	10.00	10.00	10.00	13.00	10.00
		227	7085	10.00	10.00	13.00	10.00	10.00	10.00	13.00	10.00
	802.11ax-HE80 MCS0	7	5985	8.50	8.50	11.50	8.50	8.50	8.50	11.50	8.50
		71	6305	8.50	8.50	11.50	8.50	8.50	8.50	11.50	8.50
		119	6545	10.00	10.00	13.00	10.00	10.00	10.00	13.00	10.00
		167	6785	10.00	10.00	13.00	10.00	10.00	10.00	13.00	10.00
		215	7025	10.00	10.00	13.00	10.00	10.00	10.00	13.00	10.00
	802.11ax-HE160 MCS0	15	6025	8.50	8.50	11.50	8.50	8.50	8.50	11.50	8.50
		47	6185	8.50	8.50	11.50	8.50	8.50	8.50	11.50	8.50
		111	6505	10.00	10.00	13.00	10.00	10.00	10.00	13.00	10.00
		143	6665	10.00	10.00	13.00	10.00	10.00	10.00	13.00	10.00
		207	6985	10.00	10.00	13.00	10.00	10.00	10.00	13.00	10.00

< Bluetooth Maximum Power >
General Note:

1. The device implements power management mechanisms to ensure Bluetooth SAR compliance under various exposure conditions and user scenarios. For each exposure condition, the transmit power index is selected based on the specific user scenario as tested and documented in Sections 14 of this report. Detailed information regarding the proprietary power management logic is provided in the operational description.

Power Table 0/1/2/3/5

	Mode	Channel	Frequency (MHz)	Ant 7	Ant 6
				Tune-Up Limit	Tune-Up Limit
Bluetooth	BR / EDR 1Mbps	0	2402	6.00	6.00
		39	2441	6.00	6.00
		78	2480	6.00	6.00
	BR / EDR 2Mbps	0	2402	6.00	6.00
		39	2441	6.00	6.00
		78	2480	6.00	6.00
	BR / EDR 3Mbps	0	2402	6.00	6.00
		39	2441	6.00	6.00
		78	2480	6.00	6.00
	LE 1Mbps	0	2402	6.00	6.00
		19	2440	6.00	6.00
		39	2480	6.00	6.00
	LE 2Mbps	0	2402	6.00	6.00
		19	2440	6.00	6.00
		39	2480	6.00	6.00

2.3 General LTE SAR Test and Reporting Considerations

Summarized necessary items addressed in KDB 941225 D05 v02r05																																																																										
FCC ID		UZ7TC101B																																																																								
Equipment Name		Touch Computer																																																																								
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 17: 704 MHz ~ 716 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 42: 3450 MHz ~ 3600 MHz LTE Band 43: 3600 MHz ~ 3800 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 40: 5MHz, 10MHz LTE Band 41: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 42: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 43: 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		Intra-Band possible combinations and the detail power measurement please referred to section 12.																																																																								
LTE Carrier Aggregation Additional Information		This device supports maximum of 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 42 (27Q)												
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)				
L	42115	3452.5	42140	3455	42165	3457.5	42190	3460				
M	42590	3500	42590	3500	42590	3500	42590	3500				
H	43065	3547.5	43040	3545	43015	3542.5	42990	3540				
LTE Band 42 (96)												
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)				
L	43115	3552.5	43140	3555	43165	3557.5	43190	3560				
M	43340	3575	43340	3575	43340	3575	43340	3575				
H	43565	3597.5	43540	3595	43515	3592.5	43490	3590				
LTE Band 43 (96)												
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)				
L	43615	3602.5	43640	3605	43665	3607.5	43690	3610				
M	44090	3650	44090	3650	44090	3650	44090	3650				
H	44565	3697.5	44540	3695	44515	3692.5	44490	3690				
LTE Band 43 (27Q)												
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)				
L	44615	3702.5	44640	3705	44665	3707.5	44690	3710				
M	45090	3750	45090	3750	45090	3750	45090	3750				
H	45565	3797.5	45540	3795	45515	3792.5	45490	3790				
LTE Band 2												
	Bandwidth 1.4MHz		Bandwidth 3MHz		Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz	
	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 1.4MHz		Bandwidth 3MHz		Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz	
	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 1.4MHz		Bandwidth 3MHz		Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz	
	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	20475	832.5	20500	836
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	20575	842.5	20550	840
LTE Band 12												
	Bandwidth 1.4MHz		Bandwidth 3MHz		Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz	
	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	23085	707.5	23110	711
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	23105	708.5	23080	706
LTE Band 13												
	Bandwidth 5MHz				Bandwidth 10MHz				Bandwidth 15MHz			
	Ch. #				Ch. #				Ch. #			
L	23205				779.5				782			
M	23230				782				782			
H	23255				784.5				784.5			
LTE Band 17												
	Bandwidth 5MHz				Bandwidth 10MHz				Bandwidth 15MHz			
	Ch. #				Ch. #				Ch. #			
L	23755				706.5				23780			
M	23790				710				23790			
H	23825				713.5				23800			
LTE Band 25												
	Bandwidth 1.4MHz		Bandwidth 3MHz		Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz	
	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 1.4MHz		Bandwidth 3MHz		Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz			
	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 66												
	Bandwidth 1.4MHz		Bandwidth 3MHz		Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz	
	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 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz					
	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		
LTE Band 7												
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz					
	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		
M	21100	2535	21100	2535	21100	2535		21100		2535		
H	21425	2567.5	21400	2565	21375	2562.5		21350		2560		
LTE Band 38												
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz					
	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 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz					
	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		
LMM	40148	2545.8	40160	2547	40173	2548.3		40185		2549.5		
M	40620	2593	40620	2593	40620	2593		40620		2593		
HMM	41093	2640.3	41080	2639	41068	2637.8		41055		2636.5		
H	41565	2687.5	41540	2685	41515	2682.5		41490		2680		



2.4 General 5G NR SAR Test and Reporting Considerations

5G NR Information	
FCC ID	UZ7TC101B
Equipment Name	Touch Computer
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 n25 : 1850 MHz ~ 1915 MHz 5G NR n26 : 814 MHz ~ 849 MHz 5G NR n38 : 2570 MHz ~ 2620 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n66 : 1710 MHz ~ 1780 MHz 5G NR n71 : 663 MHz ~ 698 MHz 5G NR n77: 3700 MHz ~ 3980 MHz, 3450 MHz ~ 3550 MHz, 3550 MHz ~ 3700 MHz 5G NR n78: 3700 MHz ~ 3800 MHz, 3450 MHz ~ 3550 MHz, 3550 MHz ~ 3700 MHz
Channel Bandwidth	5G NR n2: 5MHz, 10MHz, 15MHz, 20MHz 5G NR n5: 5MHz, 10MHz, 15MHz, 20MHz 5G NR n7: 5MHz, 10MHz, 15MHz, 20MHz, 25 MHz, 30MHz, 40MHz 5G NR n12: 5MHz, 10MHz, 15MHz 5G NR n25: 5MHz, 10MHz, 15MHz, 20MHz, 25 MHz, 30MHz 5G NR n26: 5MHz, 10MHz, 15MHz, 20MHz 5G NR n38: 10MHz, 15MHz, 20MHz, 30MHz, 40MHz 5G NR n41: 10MHz, 15MHz, 20MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz 5G NR n66: 5MHz, 10MHz, 15MHz, 20MHz, 25 MHz, 30MHz, 40MHz 5G NR n71: 5MHz, 10MHz, 15MHz, 20MHz 5G NR n77/n78: 10MHz, 15MHz, 20MHz, 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 B5/7/12/13/66/71
LTE Anchor Bands for n5	LTE B2/7/13/66
LTE Anchor Bands for n7	LTE B2/5/12/66/71
LTE Anchor Bands for n12	LTE B2/5/7/66
LTE Anchor Bands for n25	LTE B5/7/12/13/66/71
LTE Anchor Bands for n38	LTE B2/4/66/71
LTE Anchor Bands for n41	LTE B2/4/5/12/25/66/71
LTE Anchor Bands for n66	LTE B2/5/7/12/66
LTE Anchor Bands for n71	LTE B2/5/7/12/66
LTE Anchor Bands for n77	LTE B2/5/7/12/13/25/41/66/71
LTE Anchor Bands for n78	LTE B2/5/7/12/25/41/66/71



Transmission (H, M, L) channel numbers and frequencies in each FR1 band																												
FR1 n77 (27Q)																												
	Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth 100MHz							
	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	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								
H	636332	3544.98	636166	3542.49	636000	3540	635666	3534.99	635332	3529.98	635000	3525	634666	3519.99	634332	3514.98	634000	3510	633666	3504.99								
FR1 n77/n78 (96)																												
	Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth 100MHz							
	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	637000	3555	637168	3557.52	637334	3560.01	637668	3565.02	638000	3570	638334	3575.01	638668	3580.02	639000	3585	639334	3590.01	639668	3595.02	640000	3600						
M	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	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	645000	3675	644666	3669.99	644332	3664.98	644000	3660	643666	3654.99	643332	3649.98						
FR1 n77 (27Q)																												
	Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth 100MHz							
	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	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						
H	665000	3975	664832	3972.48	664666	3969.99	664332	3964.98	664000	3960	663666	3954.99	663332	3949.98	663000	3945	662666	3939.99	662332	3934.98	662000	3930						
FR1 n78 (27Q)																												
	Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth 100MHz							
	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	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								
H	636332	3544.98	636166	3542.49	636000	3540	635666	3534.99	635332	3529.98	635000	3525	634666	3519.99	634332	3514.98	634000	3510	633666	3504.99								
FR1 n78 (27Q)																												
	Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth 100MHz							
	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	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								
H	653000	3795	652832	3792.48	652666	3789.99	652332	3784.98	652000	3780	651666	3774.99	651332	3769.98	651000	3765	650666	3759.99	650332	3754.98								
FR1 n2																												
	Bandwidth 5MHz				Bandwidth 10MHz				Bandwidth 15MHz				Bandwidth 20MHz															
	Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Freq. (MHz)							
L	370500		1852.5		371000		1855		371500		1857.5		372000		1860		372500		1863		1866							
M	376000		1880		376000		1880		376000		1880		376000		1880		376000		1880		1880							
H	381500		1907.5		381000		1905		380500		1902.5		380000		1900		379500		1897		1894							
FR1 n5																												
	Bandwidth 5MHz				Bandwidth 10MHz				Bandwidth 15MHz				Bandwidth 20MHz															
	Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Freq. (MHz)							
L	165300		826.5		165800		829		166300		831.5		166800		834		167300		836.5		839							
M	167300		836.5		167300		836.5		167300		836.5		167300		836.5		167300		836.5		836.5							
H	169300		846.5		168800		844		168300		841.5		167800		839		167300		836.5		833							
FR1 n12																												
	Bandwidth 5MHz				Bandwidth 10MHz				Bandwidth 15MHz				Bandwidth 20MHz															
	Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Freq. (MHz)							
L	140300		701.5		140800		704		141300		706.5		141800		709		142300		711.5		714							
M	141500		707.5		141500		707.5		141500		707.5		141500		707.5		141500		707.5		707.5							
H	142700		713.5		142200		711		141700		708.5		141200		706		140700		703		699							
FR1 n25																												
	Bandwidth 5MHz				Bandwidth 10MHz				Bandwidth 15MHz				Bandwidth 20MHz				Bandwidth 25MHz				Bandwidth 30MHz							
	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	370500	1852.5	371000	1855	371500	1857.5	372000	1860	372500	1862.5	373000	1865	373500	1867.5	374000	1870	374500	1872.5	375000	1875	375500	1877.5						
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	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	378500	1892.5	378000	1890	377500	1887.5						
FR1 n26																												
	Bandwidth 5MHz				Bandwidth 10MHz				Bandwidth 15MHz				Bandwidth 20MHz															
	Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Freq. (MHz)							
L	163300		816.5		163800		819		164300		821.5		164800		824		165300		826.5		828.5							
M	166300		831.5		166300		831.5		166300		831.5		166300		831.5		166300		831.5		831.5							
H	169300		846.5		168800		844		168300		841.5		167800		839		167300		836.5		833							
FR1 n66																												
	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)	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	346500	1732.5	347000	1735	347500	1737.5						
M	349000	1745	349000	1745	349000	1745	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	351500	1757.5	351000	1755	350500	1752.5						



FR1 n71																						
	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		134100	670.5		134600	673											
M	136100	680.5		136100	680.5		136100	680.5		136100	680.5											
H	139100	695.5		138600	693		138100	690.5		137600	688											
FR1 n7																						
	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	500500	2502.5	501000	2505	501500	2507.5	502000	2510	502500	2512.5	503000	2515	504000	2520								
M	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								
FR1 n38																						
	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	515000	2575	515500	2577.5	516000	2580	517000	2585	518000	2590												
M	519000	2595	519000	2595	519000	2595	519000	2595	519000	2595												
H	523000	2615	522500	2612.5	522000	2610	521000	2605	520000	2600												
FR1 n41																						
	Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth 100MHz	
	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

3. Smart Transmit feature for RF Exposure compliance

The RF exposure limit is defined based on time-averaged RF exposure. The product implements Qualcomm Smart Transmit feature which controls the instantaneous transmitting power for WWAN transmitter to ensure the product in compliance with RF exposure limit over a defined time window. To control and manage transmitting power in real time and to ensure at all times the time-averaged RF exposure is compliant to the regulation requirement.

Smart Transmit allows the device to transmit at higher power instantaneously, as high as Pmax, when needed, but enforces power limiting to maintain time-averaged transmit power to Plimit. Below table shows Plimit EFS settings and maximum tune up output power Pmax configured for this EUT for various transmit conditions (Device State Index DSI).

<Terminologies in this report>

Plimit	The time-averaged RF power which corresponds to SAR_design_target.
Pmax	Maximum target power level
SAR_design_target:	The design target for SAR compliance. It should be less than regulatory power density limit to account for all device design related uncertainties.
SAR char	Plimit for all the technologies/bands for all applicable DSI

<SAR Characterization>

SAR char must be generated to cover all radio configurations and usage scenarios that the wireless device supports for operating at 6 GHz or below. It will then be used as input for Smart Transmit to control and manage RF exposure for f < 6 GHz.

<SAR design target>

Band	Antenna	Head 1g SAR	Body Worn / Extremity 1g SAR	Hotspot 1g SAR	Extremity 10g SAR	Sensor Off 1g SAR	Power tolerance (dBm)
		(DSI:2)	(DSI1)	(DSI3)	(DSI1)	(DSI0)	
GSM850	8	0.84	0.84	0.84	2.26	0.84	1.50
GSM1900	8	0.84	0.84	0.84	2.26	0.84	1.50
WCDMA II	8	0.84	0.84	0.84	2.26	0.84	1.50
WCDMA IV	8	0.84	0.84	0.84	2.26	0.84	1.50
WCDMA V	8	0.84	0.84	0.84	2.26	0.84	1.50
LTE B2	8	0.84	0.84	0.84	2.26	0.84	1.50
LTE B2	2	0.84	0.84	0.84	2.26	0.84	1.50
LTE B4	8	0.84	0.84	0.84	2.26	0.84	1.50
LTE B4	2	0.84	0.84	0.84	2.26	0.84	1.50
LTE B5	8	0.84	0.84	0.84	2.26	0.84	1.50
LTE B7	1	0.84	0.84	0.84	2.26	0.84	1.50
LTE B12	8	0.84	0.84	0.84	2.26	0.84	1.50
LTE B13	8	0.84	0.84	0.84	2.26	0.84	1.50
LTE B17	8	0.84	0.84	0.84	2.26	0.84	1.50
LTE B25	8	0.84	0.84	0.84	2.26	0.84	1.50
LTE B26	8	0.84	0.84	0.84	2.26	0.84	1.50
LTE B66	8	0.84	0.84	0.84	2.26	0.84	1.50
LTE B66	2	0.84	0.84	0.84	2.26	0.84	1.50
LTE B71	8	0.84	0.84	0.84	2.26	0.84	1.50
LTE B38	1	0.84	0.84	0.84	2.26	0.84	1.50
LTE B41 (PC3)	1	0.84	0.84	0.84	2.26	0.84	1.50
LTE B42 (PC3)	9	0.84	0.84	0.84	2.26	0.84	1.50
LTE B43 (PC3)	9	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n2	8	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n2	2	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n5	8	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n7	1	0.84	0.84	0.84	2.26	0.84	1.50

FR1 n12	8	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n25	8	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n26	8	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n66	8	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n66	2	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n71	8	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n38	1	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n41 (PC3)	1	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n41 (PC2)	1	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n41 (PC3)(SRS)	3	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n41 (PC2)(SRS)	3	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n41 (PC3)(SRS)	4	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n41 (PC2)(SRS)	4	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n41 (PC3)(SRS)	5	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n41 (PC2)(SRS)	5	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n77 (PC3)	9	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n77 (PC2)	9	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n77 (PC3)(Part96)	9	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n77 (PC3)(SRS)	8	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n77 (PC2)(SRS)	8	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n77 (PC3)(Part96)	8	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n77 (PC3)(SRS)	3	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n77 (PC2)(SRS)	3	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n77 (PC3)(Part96)(SRS)	3	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n77 (PC3)(SRS)	4	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n77 (PC2)(SRS)	4	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n77 (PC3)(Part96)(SRS)	4	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n78 (PC3)	9	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n78 (PC2)	9	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n78 (PC3)(SRS)	8	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n78 (PC2)(SRS)	8	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n78 (PC3)(SRS)	3	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n78 (PC2)(SRS)	3	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n78 (PC3)(SRS)	4	0.84	0.84	0.84	2.26	0.84	1.50
FR1 n78 (PC2)(SRS)	4	0.84	0.84	0.84	2.26	0.84	1.50

To account for total uncertainty, SAR_design_target should be determined as:

$$SAR_{design_target} < SAR_{regulatory_limit} \times 10^{\frac{-total\ uncertainty}{10}}$$

<P_{limit} for supported technologies and bands (P_{limit} in EFS file)>

Band	Antenna	Power Back off For WLAN On						P _{max} *
		Head (DSI:2)	Hotspot (DSI3)	Body Worn / Extremity (DSI1)	Sensor OFF (DSI0)	Head (DSI:2)	Body Worn / Extremity (DSI1)	
GSM850(4 Tx slots)	8	25.00	21.10	25.10	28.50	23.20	21.10	28.50
GSM1900(4 Tx slots)	8	28.30	15.20	22.80	32.30	28.30	15.20	25.50
WCDMA II	8	26.60	15.50	20.70	23.50	26.60	15.50	23.50
WCDMA IV	8	25.70	16.10	21.90	33.50	25.70	16.10	23.50
WCDMA V	8	23.80	18.40	23.40	23.50	21.40	18.40	23.50
LTE B2	8	26.60	16.40	20.40	23.50	23.30	16.40	23.50
LTE B2	2	38.40	19.30	23.50	20.00	38.40	19.30	20.00
LTE B4	8	26.10	17.20	21.40	23.50	26.10	17.20	23.50
LTE B4	2	30.40	17.20	20.80	20.00	30.40	17.20	20.00
LTE B5	8	24.20	18.70	23.80	23.50	21.40	18.70	23.50
LTE B7	1	22.90	19.70	25.20	23.50	20.00	19.70	23.50
LTE B12	8	25.60	20.70	25.30	23.50	25.60	20.70	23.50
LTE B13	8	24.90	19.60	24.30	23.50	22.90	19.60	23.50
LTE B17	8	25.60	20.70	25.30	23.50	25.60	20.70	23.50
LTE B25	8	26.60	16.40	20.40	23.50	23.30	16.40	23.50
LTE B26	8	24.20	18.70	23.80	23.50	21.40	18.70	23.50
LTE B66	8	26.10	17.20	21.40	23.50	26.10	17.20	23.50
LTE B66	2	30.40	17.20	20.80	20.00	30.40	17.20	20.00
LTE B71	8	27.30	22.90	26.90	23.50	27.30	22.90	23.50
LTE B38	1	22.80	21.70	26.30	21.50	20.50	21.70	21.50
LTE B41 (PC3)	1	22.80	21.70	26.30	21.50	20.50	21.70	21.50
LTE B42 (PC3)	9	19.80	13.80	17.20	21.50	17.00	13.80	21.50
LTE B43 (PC3)	9	24.50	11.30	15.00	24.20	24.50	11.30	21.50
FR1 n2	8	26.40	16.70	20.80	23.50	26.40	16.70	23.50
FR1 n2	2	36.50	19.80	23.20	20.00	36.50	19.80	20.00
FR1 n5	8	24.20	19.10	23.80	23.50	21.40	19.10	23.50
FR1 n7	1	24.70	20.50	25.80	23.50	19.20	20.50	23.50
FR1 n12	8	25.90	21.00	26.00	23.50	25.90	21.00	23.50
FR1 n25	8	26.40	16.70	20.80	23.50	26.40	16.70	23.50
FR1 n26	8	24.20	19.10	23.80	23.50	21.40	19.10	23.50
FR1 n66	8	25.30	17.50	22.00	23.50	25.30	17.50	23.50
FR1 n66	2	30.00	17.40	21.20	20.00	30.00	17.40	20.00
FR1 n71	8	27.40	22.70	27.30	23.50	27.40	22.70	23.50
FR1 n38	1	22.30	20.30	25.60	23.50	19.20	20.30	23.50
FR1 n41 (PC3)	1	22.30	20.30	25.60	23.50	19.20	20.30	23.50
FR1 n41 (PC2)	1	22.30	20.30	25.60	23.50	19.20	20.30	23.00
FR1 n41 (PC3)(SRS)	3	35.00	19.00	23.90	23.00	35.00	19.00	23.00
FR1 n41 (PC2)(SRS)	3	35.00	19.00	23.90	23.00	35.00	19.00	21.00
FR1 n41 (PC3)(SRS)	4	33.30	17.40	21.00	22.00	33.30	17.40	22.00
FR1 n41 (PC2)(SRS)	4	33.30	17.40	21.00	22.00	33.30	17.40	20.50
FR1 n41 (PC3)(SRS)	5	32.00	16.50	20.10	21.00	32.00	16.50	21.00
FR1 n41 (PC2)(SRS)	5	32.00	16.50	20.10	21.00	32.00	16.50	20.40
FR1 n77 (PC3)	9	20.50	11.30	15.50	22.80	18.70	11.30	23.00
FR1 n77 (PC2)	9	20.50	11.30	15.50	22.80	18.70	11.30	23.00
FR1 n77 (PC3)(Part96)	9	20.50	11.30	15.50	22.80	18.70	11.30	21.00
FR1 n77 (PC3)(SRS)	8	17.70	16.80	20.20	23.00	16.00	16.80	23.00
FR1 n77 (PC2)(SRS)	8	17.70	16.80	20.20	23.00	16.00	16.80	21.50

FR1 n77 (PC3)(Part96)	8	17.70	16.80	20.20	23.00	16.00	16.80	21.00
FR1 n77 (PC3)(SRS)	3	27.10	11.60	16.40	24.00	27.10	11.60	24.00
FR1 n77 (PC2)(SRS)	3	27.10	11.60	16.40	24.00	27.10	11.60	23.00
FR1 n77 (PC3)(Part96)(SRS)	3	27.10	11.60	16.40	24.00	27.10	11.60	21.00
FR1 n77 (PC3)(SRS)	4	25.00	13.20	16.70	23.00	19.30	13.20	23.00
FR1 n77 (PC2)(SRS)	4	25.00	13.20	16.70	23.00	19.30	13.20	22.50
FR1 n77 (PC3)(Part96)(SRS)	4	25.00	13.20	16.70	23.00	19.30	13.20	21.00
FR1 n78 (PC3)	9	20.50	11.30	15.50	22.80	18.70	11.30	23.00
FR1 n78 (PC2)	9	20.50	11.30	15.50	22.80	18.70	11.30	23.00
FR1 n78 (PC3)(SRS)	8	17.70	16.80	20.20	23.00	16.00	16.80	23.00
FR1 n78 (PC2)(SRS)	8	17.70	16.80	20.20	23.00	16.00	16.80	21.50
FR1 n78 (PC3)(SRS)	3	27.10	11.60	16.40	24.00	27.10	11.60	24.00
FR1 n78 (PC2)(SRS)	3	27.10	11.60	16.40	24.00	27.10	11.60	23.00
FR1 n78 (PC3)(SRS)	4	25.00	13.20	16.70	23.00	19.30	13.20	23.00
FR1 n78 (PC2)(SRS)	4	25.00	13.20	16.70	23.00	19.30	13.20	22.50

Note:

1. Pmax is used for RF tune up procedure. The maximum allowed output power is equal to Pmax + Total uncertainty.
2. The max allowed output power is the Plimit + Total uncertainty, and if Plimit is higher than Pmax, the device output power will be Pmax instead.

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:

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

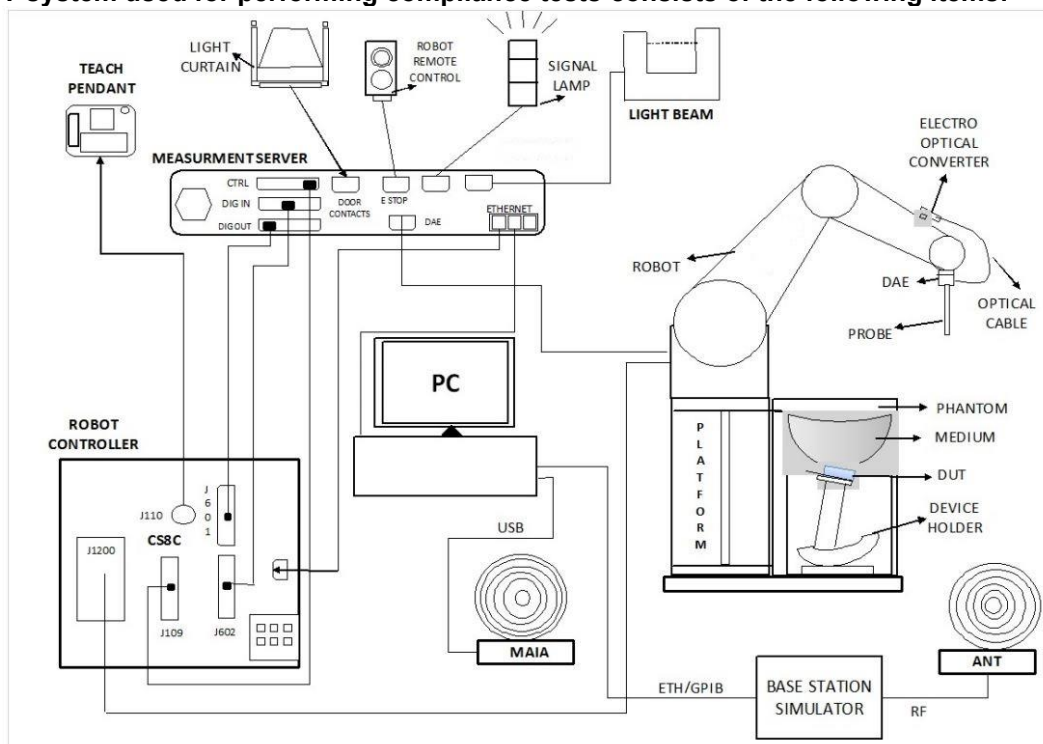
SAR is expressed in units of Watts per kilogram (W/kg)

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

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.

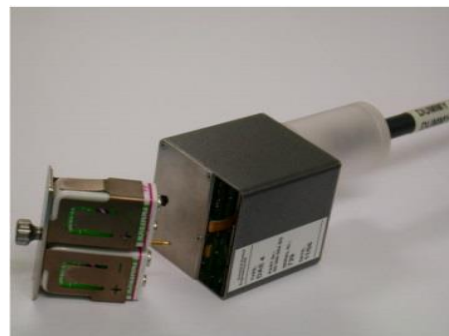


Fig 5.1 Photo of DAE

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) Configure the device RF transmitters to be in continuous transmission mode., 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 DASYS 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	Last Cal.	Due Date
SPEAG	13MHz System Validation Kit	CLA13	1022	Sep. 12, 2025	Sep. 11, 2026
SPEAG	750MHz System Validation Kit ⁽²⁾	D750V3	1012	Aug. 22, 2024	Aug. 20, 2026
SPEAG	835MHz System Validation Kit ⁽²⁾	D835V2	499	Aug. 22, 2024	Aug. 20, 2026
SPEAG	1750MHz System Validation Kit	D1750V2	1068	Nov. 12, 2025	Nov. 11, 2026
SPEAG	1750MHz System Validation Kit	D1750V2	1120	Mar. 12, 2025	Mar. 11, 2026
SPEAG	1900MHz System Validation Kit	D1900V2	5d093	Mar. 20, 2025	Mar. 19, 2026
SPEAG	2450MHz System Validation Kit ⁽²⁾	D2450V2	736	Aug. 15, 2024	Aug. 13, 2026
SPEAG	2600MHz System Validation Kit	D2600V2	1089	Mar. 13, 2025	Mar. 12, 2026
SPEAG	2600MHz System Validation Kit	D2600V2	1078	Jun. 11, 2025	Jun. 10, 2026
SPEAG	3500MHz System Validation Kit	D3500V2	1036	Mar. 11, 2025	Mar. 10, 2026
SPEAG	3700MHz System Validation Kit ⁽²⁾	D3700V2	1022	Jul. 10, 2024	Jul. 08, 2026
SPEAG	3900MHz System Validation Kit	D3900V2	1017	Apr. 22, 2025	Apr. 21, 2026
SPEAG	6500MHz System Validation Kit	D6.5GHzV2	1003	Mar. 14, 2025	Mar. 13, 2026
SPEAG	5GHz System Validation Kit ⁽²⁾	D5GHzV2	1171	Apr. 19, 2024	Apr. 17, 2026
SPEAG	5G Verification Source	10GHz	1052	Oct. 13, 2025	Oct. 12, 2026
SPEAG	Data Acquisition Electronics	DAE4	1694	Oct. 15, 2025	Oct. 14, 2026
SPEAG	Data Acquisition Electronics	DAE4	1512	Mar. 18, 2025	Mar. 17, 2026
SPEAG	Data Acquisition Electronics	DAE4	1311	Jun. 11, 2025	Jun. 10, 2026
SPEAG	Data Acquisition Electronics	DAE4	853	Sep. 09, 2025	Sep. 08, 2026
SPEAG	Dosimetric E-Field Probe	EX3DV4	3642	Apr. 24, 2025	Apr. 23, 2026
SPEAG	Dosimetric E-Field Probe	EX3DV4	7306	Jul. 28, 2025	Jul. 27, 2026
SPEAG	Dosimetric E-Field Probe	EX3DV4	7822	Sep. 11, 2025	Sep. 10, 2026
SPEAG	EUmmWV Probe Tip Protection	EUmmWV4	9441	Nov. 17, 2025	Nov. 16, 2026
SPEAG	Dielectric Probe Kit	DAK-3.5	1270	May. 19, 2025	May. 18, 2026
SPEAG	Dielectric Probe Kit	DAK-12	1156	Jul. 14, 2025	Jul. 13, 2026
Testo	Hygro meter	608-H1	45196600	Nov. 04, 2025	Nov. 03, 2026
Testo	Hygro meter	608-H1	45207528	Nov. 04, 2025	Nov. 03, 2026
Anritsu	Radio Communication Analyzer	MT8821C	6201074414	Aug. 19, 2025	Aug. 18, 2026
Keysight	5G Wireless Test Platform	E7515B	MY59321595	Jun. 20, 2025	Jun. 19, 2026
R&S	BT Base Station	CBT	100815	Feb. 26, 2025	Feb. 25, 2026
SPEAG	Device Holder	N/A	N/A	N/A	N/A
Anritsu	Signal Generator	MG3710A	6201502524	Sep. 24, 2025	Sep. 23, 2026
Keysight	ENA Network Analyzer	E5071C	MY46104758	Oct. 14, 2025	Oct. 13, 2026
LINE SEIKI	Digital Thermometer	DTM3000-spezial	3902	Feb. 19, 2025	Feb. 18, 2026
Anritsu	Power Meter	ML2496A	2119003	Jul. 14, 2025	Jul. 13, 2026
R&S	Power Sensor	NRP8S	109687	Sep. 22, 2025	Sep. 21, 2026
Anritsu	Spectrum Analyzer	N9010A	MY53470118	Sep. 09, 2025	Sep. 08, 2026
Mini-Circuits	Power Amplifier	ZVE-8G+	D120604	Oct. 17, 2025	Oct. 16, 2026
ATM	Dual Directional Coupler	C122H-10	P610410z-02	N/A	N/A
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. 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

The SPEAG Dasy Measurement system implement a SAR error compensation algorithm as documented in IEEE Std 1528-2013 to automatically compensate the measured SAR results for deviations between the measured and required tissue dielectric parameters, according to KDB 865664 D01 and IEC/IEEE 62209-1528, the tolerance for "Delta (σ)" and "Delta (ϵ_r)" can be relaxed to $\pm 10\%$

< 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
13	22.3	0.749	57.071	0.75	55.0	-0.13	3.77	± 10.0	2026-01-26
750	22.4	0.887	43.4	0.89	41.9	-0.34	3.58	± 10.0	2026-01-10
750	22.2	0.886	44.1	0.89	41.9	-0.45	5.25	± 10.0	2026-01-11
750	22.4	0.856	45.4	0.89	41.9	-3.82	8.35	± 10.0	2026-01-15
750	22.4	0.906	42.5	0.89	41.9	1.80	1.43	± 10.0	2026-01-24
750	22.4	0.885	44.0	0.89	41.9	-0.56	5.01	± 10.0	2026-01-27
835	22.2	0.919	43.9	0.9	41.5	2.11	5.78	± 10.0	2026-01-01
835	22.5	0.914	43.2	0.9	41.5	1.56	4.10	± 10.0	2026-01-09
835	22.3	0.937	42.2	0.9	41.5	4.11	1.69	± 10.0	2026-01-23
835	22.5	0.894	43.8	0.9	41.5	-0.67	5.54	± 10.0	2026-02-11
1750	22.3	1.32	42.2	1.37	40.1	-3.65	5.24	± 10.0	2026-01-06
1750	22.6	1.36	41.3	1.37	40.1	-0.73	2.99	± 10.0	2026-01-08
1750	22.7	1.36	42.7	1.37	40.1	-0.73	6.48	± 10.0	2026-01-13
1750	22.7	1.35	41.2	1.37	40.1	-1.46	2.74	± 10.0	2026-01-21
1750	22.8	1.35	42.2	1.37	40.1	-1.46	5.24	± 10.0	2026-01-22
1900	22.6	1.42	41.9	1.4	40.0	1.43	4.75	± 10.0	2026-01-04
1900	22.6	1.46	41.2	1.4	40.0	4.29	3.00	± 10.0	2026-01-08
1900	22.7	1.44	42.4	1.4	40.0	2.86	6.00	± 10.0	2026-01-13
1900	22.6	1.45	41.1	1.4	40.0	3.57	2.75	± 10.0	2026-01-20
1900	22.8	1.43	41.9	1.4	40.0	2.14	4.75	± 10.0	2026-01-22
2450	22.2	1.826	41.262	1.8	39.2	1.44	5.26	± 10.0	2026-01-22
2450	22.3	1.842	41.743	1.8	39.2	2.33	6.49	± 10.0	2026-01-23
2450	22.4	1.872	41.875	1.8	39.2	4.00	6.82	± 10.0	2026-01-24
2450	22.4	1.823	42.659	1.8	39.2	1.28	8.82	± 10.0	2026-01-27
2600	22.6	1.96	40.8	1.96	39.0	0.00	4.62	± 10.0	2026-01-02
2600	22.4	1.97	40.1	1.96	39.0	0.51	2.82	± 10.0	2026-01-10
2600	22.5	1.95	41.0	1.96	39.0	-0.51	5.13	± 10.0	2026-01-14
2600	22.4	1.99	40.9	1.96	39.0	1.53	4.87	± 10.0	2026-01-15
2600	22.5	1.92	39.3	1.96	39.0	-2.04	0.77	± 10.0	2026-01-25
2600	22.2	1.94	40.9	1.96	39.0	-1.02	4.87	± 10.0	2026-01-31
2600	22.3	1.96	41.0	1.96	39.0	0.00	5.13	± 10.0	2026-02-01
2600	22.4	1.98	41.1	1.96	39.0	1.02	5.38	± 10.0	2026-02-03
3500	22.8	2.76	39.0	2.91	37.9	-5.15	2.90	± 10.0	2026-01-03
3500	22.6	2.71	39.2	2.91	37.9	-6.87	3.43	± 10.0	2026-01-05
3500	22.3	2.71	39.0	2.91	37.9	-6.87	2.90	± 10.0	2026-01-16
3500	22.2	2.77	39.5	2.91	37.9	-4.81	4.22	± 10.0	2026-01-17
3500	22.4	2.7	38.5	2.91	37.9	-7.22	1.58	± 10.0	2026-01-28
3700	22.8	2.95	38.7	3.12	37.7	-5.45	2.65	± 10.0	2026-01-03
3700	22.6	2.95	38.1	3.12	37.7	-5.45	1.06	± 10.0	2026-01-07
3700	22.2	2.9	38.7	3.12	37.7	-7.05	2.65	± 10.0	2026-01-12
3700	22.3	2.88	38.7	3.12	37.7	-7.69	2.65	± 10.0	2026-01-16
3700	22.3	2.98	39.4	3.12	37.7	-4.49	4.51	± 10.0	2026-01-18
3700	22.4	2.91	39.0	3.12	37.7	-6.73	3.45	± 10.0	2026-01-19
3700	22.6	2.83	37.5	3.12	37.7	-9.29	-0.53	± 10.0	2026-01-26
3700	22.5	2.89	38.9	3.12	37.7	-7.37	3.18	± 10.0	2026-01-29
3700	22.4	2.91	39.0	3.12	37.7	-6.73	3.45	± 10.0	2026-01-30
3900	22.2	3.08	38.7	3.33	37.51	-7.51	3.17	± 10.0	2026-01-12
3900	22.4	3.11	38.8	3.33	37.51	-6.61	3.44	± 10.0	2026-01-19
3900	22.6	3.01	37.2	3.33	37.51	-9.61	-0.83	± 10.0	2026-01-26
3900	22.4	3.12	38.7	3.33	37.51	-6.31	3.17	± 10.0	2026-01-30



FCC SAR TEST REPORT

Report No. : FA5N2836B

5250	22.5	4.561	36.778	4.71	35.95	-3.16	2.30	±10.0	2026-01-20
5250	22.6	4.651	36.864	4.71	35.95	-1.25	2.54	±10.0	2026-01-21
5600	22.5	4.964	36.204	5.07	35.5	-2.09	1.98	±10.0	2026-01-20
5600	22.6	5.051	36.214	5.07	35.5	-0.37	2.01	±10.0	2026-01-21
5800	22.5	5.194	35.853	5.27	35.3	-1.44	1.57	±10.0	2026-01-20
5800	22.6	5.29	35.855	5.27	35.3	0.38	1.57	±10.0	2026-01-21
6500	22.5	6.09	34.4	6.07	34.5	0.33	-0.29	±10.0	2026-01-25



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 錯誤! 找不到參照來源。 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 (%)
SAR04	2026-01-26	13	100.00	CLA13 - 1022	EX3DV4 - SN3642	DAE4 Sn1311	0.054	0.529	0.540	2.08	0.033	0.337	0.330	-2.08
SAR04	2026-01-10	750	251.19	D750V3 - 1012	EX3DV4 - SN3642	DAE4 Sn1311	1.950	8.400	7.763	-7.58	1.310	5.410	5.215	-3.60
SAR04	2026-01-11	750	251.19	D750V3 - 1012	EX3DV4 - SN3642	DAE4 Sn1311	1.980	8.400	7.882	-6.16	1.330	5.410	5.295	-2.13
SAR04	2026-01-15	750	251.19	D750V3 - 1012	EX3DV4 - SN3642	DAE4 Sn1311	2.000	8.400	7.962	-5.21	1.330	5.410	5.295	-2.13
SAR04	2026-01-24	750	251.19	D750V3 - 1012	EX3DV4 - SN3642	DAE4 Sn1311	1.970	8.400	7.843	-6.63	1.330	5.410	5.295	-2.13
SAR04	2026-01-27	750	251.19	D750V3 - 1012	EX3DV4 - SN3642	DAE4 Sn1311	1.990	8.400	7.922	-5.69	1.340	5.410	5.335	-1.39
SAR04	2026-01-01	835	251.19	D835V2 - 499	EX3DV4 - SN3642	DAE4 Sn1311	2.310	9.440	9.196	-2.58	1.550	6.050	6.171	1.99
SAR04	2026-01-09	835	251.19	D835V2 - 499	EX3DV4 - SN3642	DAE4 Sn1311	2.320	9.440	9.236	-2.16	1.550	6.050	6.171	1.99
SAR04	2026-01-23	835	251.19	D835V2 - 499	EX3DV4 - SN3642	DAE4 Sn1311	2.370	9.440	9.435	-0.05	1.590	6.050	6.330	4.63
SAR05	2026-02-11	835	251.19	D835V2 - 499	EX3DV4 - SN7822	DAE4 Sn853	2.430	9.440	9.674	2.48	1.590	6.050	6.330	4.63
SAR04	2026-01-06	1750	50.12	D1750V2 - 1068	EX3DV4 - SN3642	DAE4 Sn1311	1.760	36.500	35.116	-3.79	0.950	19.400	18.955	-2.30
SAR04	2026-01-08	1750	50.12	D1750V2 - 1068	EX3DV4 - SN3642	DAE4 Sn1311	1.770	36.500	35.315	-3.25	0.966	19.400	19.274	-0.65
SAR04	2026-01-13	1750	50.12	D1750V2 - 1068	EX3DV4 - SN3642	DAE4 Sn1311	1.790	36.500	35.714	-2.15	0.971	19.400	19.374	-0.14
SAR04	2026-01-21	1750	50.12	D1750V2 - 1120	EX3DV4 - SN3642	DAE4 Sn1311	1.760	36.800	35.116	-4.58	0.959	19.600	19.134	-2.38
SAR04	2026-01-22	1750	50.12	D1750V2 - 1120	EX3DV4 - SN3642	DAE4 Sn1311	1.770	36.800	35.315	-4.03	0.965	19.600	19.254	-1.77
SAR04	2026-01-04	1900	50.12	D1900V2 - 5d093	EX3DV4 - SN3642	DAE4 Sn1311	1.930	39.300	38.508	-2.02	1.020	20.800	20.351	-2.16
SAR04	2026-01-08	1900	50.12	D1900V2 - 5d093	EX3DV4 - SN3642	DAE4 Sn1311	1.980	39.300	39.505	0.52	1.060	20.800	21.149	1.68
SAR04	2026-01-13	1900	50.12	D1900V2 - 5d093	EX3DV4 - SN3642	DAE4 Sn1311	1.960	39.300	39.106	-0.49	1.040	20.800	20.750	-0.24
SAR04	2026-01-20	1900	50.12	D1900V2 - 5d093	EX3DV4 - SN3642	DAE4 Sn1311	1.980	39.300	39.505	0.52	1.060	20.800	21.149	1.68
SAR04	2026-01-22	1900	50.12	D1900V2 - 5d093	EX3DV4 - SN3642	DAE4 Sn1311	1.970	39.300	39.306	0.01	1.050	20.800	20.950	0.72
SAR05	2026-01-22	2450	50.00	D2450V2 - 736	EX3DV4 - SN7822	DAE4 Sn853	2.750	51.400	55.000	7.00	1.290	24.200	25.800	6.61
SAR05	2026-01-23	2450	50.00	D2450V2 - 736	EX3DV4 - SN7822	DAE4 Sn853	2.770	51.400	55.400	7.78	1.300	24.200	26.000	7.44
SAR05	2026-01-24	2450	50.00	D2450V2 - 736	EX3DV4 - SN7822	DAE4 Sn853	2.800	51.400	56.000	8.95	1.310	24.200	26.200	8.26
SAR06	2026-01-27	2450	50.00	D2450V2 - 736	EX3DV4 - SN7306	DAE4 Sn1512	2.640	51.400	52.800	2.72	1.250	24.200	25.000	3.31
SAR04	2026-01-02	2600	50.12	D2600V2 - 1078	EX3DV4 - SN3642	DAE4 Sn1311	2.520	55.300	50.279	-9.08	1.150	24.900	22.945	-7.85
SAR04	2026-01-10	2600	50.12	D2600V2 - 1078	EX3DV4 - SN3642	DAE4 Sn1311	2.510	55.300	50.080	-9.44	1.160	24.900	23.144	-7.05
SAR04	2026-01-14	2600	50.12	D2600V2 - 1089	EX3DV4 - SN3642	DAE4 Sn1311	2.710	56.500	54.070	-4.30	1.240	25.600	24.741	-3.36
SAR04	2026-01-15	2600	50.12	D2600V2 - 1078	EX3DV4 - SN3642	DAE4 Sn1311	2.530	55.300	50.479	-8.72	1.170	24.900	23.344	-6.25
SAR04	2026-01-25	2600	50.12	D2600V2 - 1089	EX3DV4 - SN3642	DAE4 Sn1311	2.560	56.500	51.077	-9.60	1.160	25.600	23.144	-9.59
SAR04	2026-01-31	2600	50.12	D2600V2 - 1089	EX3DV4 - SN3642	DAE4 Sn1311	2.570	56.500	51.277	-9.24	1.180	25.600	23.543	-8.03
SAR04	2026-02-01	2600	50.12	D2600V2 - 1089	EX3DV4 - SN3642	DAE4 Sn1311	2.580	56.500	51.476	-8.89	1.190	25.600	23.743	-7.25
SAR04	2026-02-03	2600	50.12	D2600V2 - 1089	EX3DV4 - SN3642	DAE4 Sn1311	2.600	56.500	51.875	-8.18	1.190	25.600	23.743	-7.25
SAR04	2026-01-03	3500	50.12	D3500V2 - 1036	EX3DV4 - SN3642	DAE4 Sn1311	2.970	65.600	59.258	-9.67	1.160	24.900	23.144	-7.05
SAR04	2026-01-05	3500	50.12	D3500V2 - 1036	EX3DV4 - SN3642	DAE4 Sn1311	3.120	65.600	62.251	-5.11	1.210	24.900	24.142	-3.04
SAR04	2026-01-16	3500	50.12	D3500V2 - 1036	EX3DV4 - SN3642	DAE4 Sn1311	3.110	65.600	62.051	-5.41	1.210	24.900	24.142	-3.04
SAR04	2026-01-17	3500	50.12	D3500V2 - 1036	EX3DV4 - SN3642	DAE4 Sn1311	3.180	65.600	63.448	-3.28	1.240	24.900	24.741	-0.64
SAR04	2026-01-28	3500	50.12	D3500V2 - 1036	EX3DV4 - SN3642	DAE4 Sn1311	3.100	65.600	61.852	-5.71	1.200	24.900	23.943	-3.85
SAR04	2026-01-03	3700	50.12	D3700V2 - 1022	EX3DV4 - SN3642	DAE4 Sn1311	3.180	68.100	63.448	-6.83	1.210	25.200	24.142	-4.20
SAR04	2026-01-07	3700	50.12	D3700V2 - 1022	EX3DV4 - SN3642	DAE4 Sn1311	3.180	68.100	63.448	-6.83	1.210	25.200	24.142	-4.20
SAR04	2026-01-12	3700	50.12	D3700V2 - 1022	EX3DV4 - SN3642	DAE4 Sn1311	3.140	68.100	62.650	-8.00	1.190	25.200	23.743	-5.78
SAR04	2026-01-16	3700	50.12	D3700V2 - 1022	EX3DV4 - SN3642	DAE4 Sn1311	3.140	68.100	62.650	-8.00	1.190	25.200	23.743	-5.78
SAR04	2026-01-18	3700	50.12	D3700V2 - 1022	EX3DV4 - SN3642	DAE4 Sn1311	3.220	68.100	64.246	-5.66	1.220	25.200	24.342	-3.41
SAR04	2026-01-19	3700	50.12	D3700V2 - 1022	EX3DV4 - SN3642	DAE4 Sn1311	3.160	68.100	63.049	-7.42	1.190	25.200	23.743	-5.78
SAR04	2026-01-26	3700	50.12	D3700V2 - 1022	EX3DV4 - SN3642	DAE4 Sn1311	3.090	68.100	61.652	-9.47	1.150	25.200	22.945	-8.95
SAR04	2026-01-29	3700	50.12	D3700V2 - 1022	EX3DV4 - SN3642	DAE4 Sn1311	3.200	68.100	63.847	-6.25	1.210	25.200	24.142	-4.20
SAR04	2026-01-30	3700	50.12	D3700V2 - 1022	EX3DV4 - SN3642	DAE4 Sn1311	3.220	68.100	64.246	-5.66	1.220	25.200	24.342	-3.41
SAR04	2026-01-12	3900	50.12	D3900V2 - 1017	EX3DV4 - SN3642	DAE4 Sn1311	3.400	70.200	67.837	-3.37	1.220	24.600	24.342	-1.05
SAR04	2026-01-19	3900	50.12	D3900V2 - 1017	EX3DV4 - SN3642	DAE4 Sn1311	3.430	70.200	68.436	-2.51	1.240	24.600	24.741	0.57
SAR04	2026-01-26	3900	50.12	D3900V2 - 1017	EX3DV4 - SN3642	DAE4 Sn1311	3.310	70.200	66.042	-5.92	1.180	24.600	23.543	-4.29
SAR04	2026-01-30	3900	50.12	D3900V2 - 1017	EX3DV4 - SN3642	DAE4 Sn1311	3.440	70.200	68.635	-2.23	1.240	24.600	24.741	0.57
SAR05	2026-01-20	5250	50.00	D5GHzV2 - 1171	EX3DV4 - SN7822	DAE4 Sn853	3.780	78.700	75.600	-3.94	1.090	22.700	21.800	-3.96
SAR05	2026-01-21	5250	50.00	D5GHzV2 - 1171	EX3DV4 - SN7822	DAE4 Sn853	3.850	78.700	77.000	-2.16	1.110	22.700	22.200	-2.20
SAR05	2026-01-20	5600	50.00	D5GHzV2 - 1171	EX3DV4 - SN7822	DAE4 Sn853	4.140	81.400	82.800	1.72	1.180	23.400	23.600	0.85
SAR05	2026-01-21	5600	50.00	D5GHzV2 - 1171	EX3DV4 - SN7822	DAE4 Sn853	4.210	81.400	84.200	3.44	1.200	23.400	24.000	2.56
SAR05	2026-01-20	5800	50.00	D5GHzV2 - 1171	EX3DV4 - SN7822	DAE4 Sn853	4.060	78.900	81.200	2.92	1.160	22.400	23.200	3.57
SAR05	2026-01-21	5800	50.00	D5GHzV2 - 1171	EX3DV4 - SN7822	DAE4 Sn853	4.140	78.900	82.800	4.94	1.180	22.400	23.600	5.36
SAR05	2026-01-25	6500	100.00	D6.5GHzV2 - 1003	EX3DV4 - SN7822	DAE4 Sn853	28.800	294.000	288.000	-2.04	5.470	54.700	54.700	-0.00

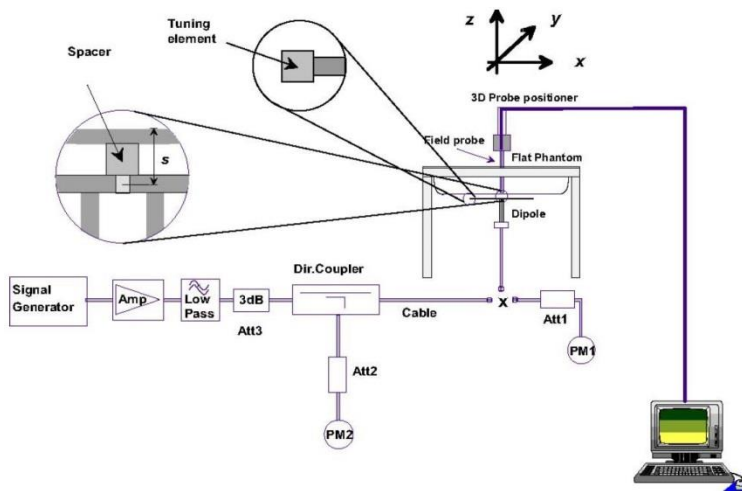


Fig 8.3.1 System Performance Check Setup



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 Location	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
SAR01	10G	10GHz_1052	EUmmWV4 - 9441	1694	10mm	54.5	54	0.04	2026/1/25

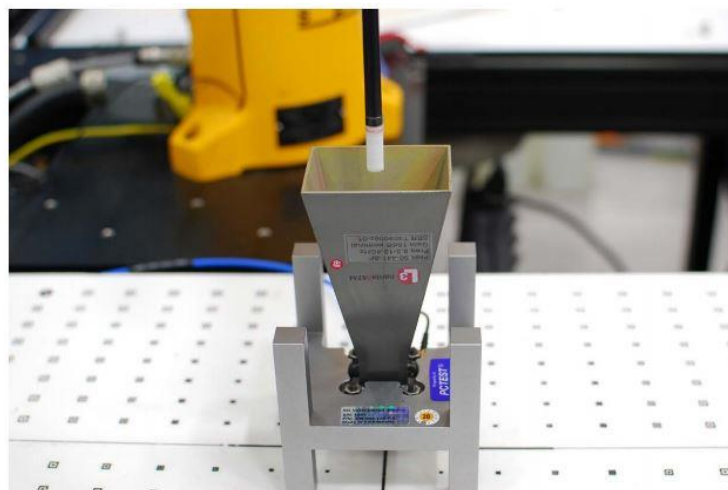


Figure 4-3
System Verification Setup Photo

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.

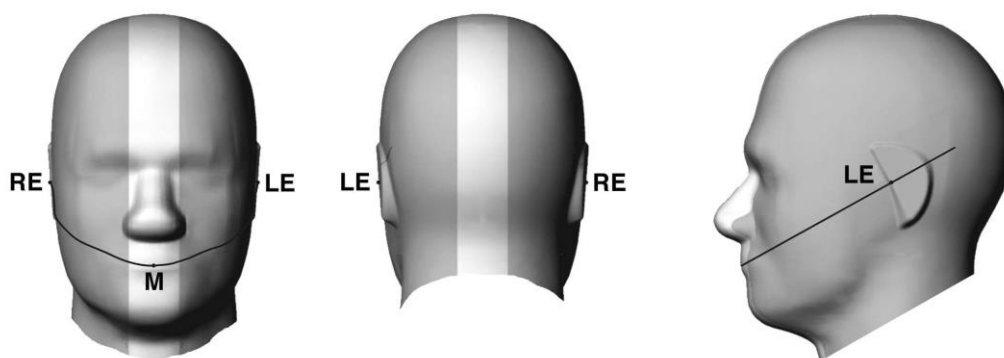


Fig 9.1.1 Front, back, and side views of SAM twin phantom

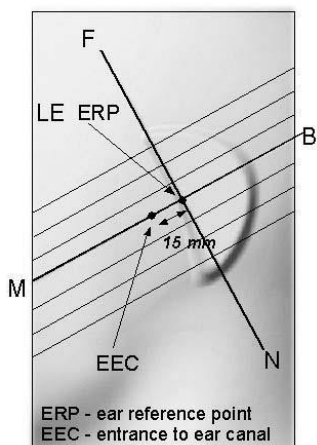


Fig 9.1.2 Close-up side view of phantom showing the ear region.

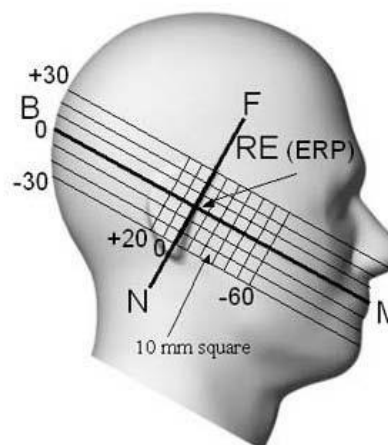


Fig 9.1.3 Side view of the phantom showing relevant markings and seven cross-sectional plane locations

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.

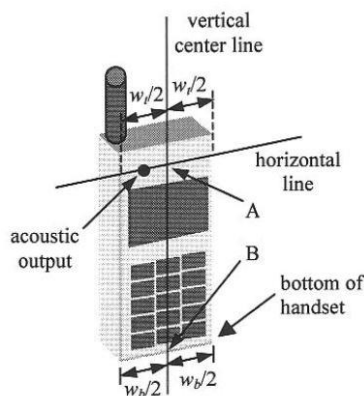


Fig 9.2.1 Handset vertical and horizontal reference lines—"fixed case"

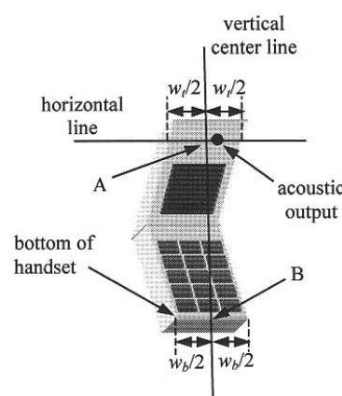


Fig 9.2.2 Handset vertical and horizontal reference lines—"clam-shell case"

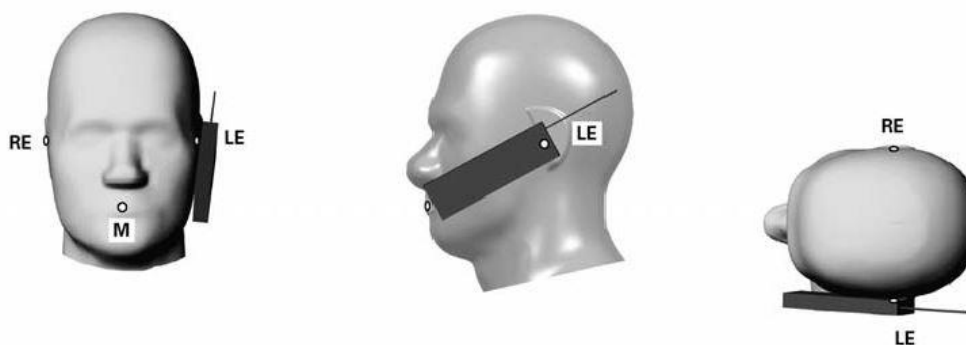


Fig 9.2.3 cheek or touch position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which establish the Reference Plane for handset positioning, are indicated.

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

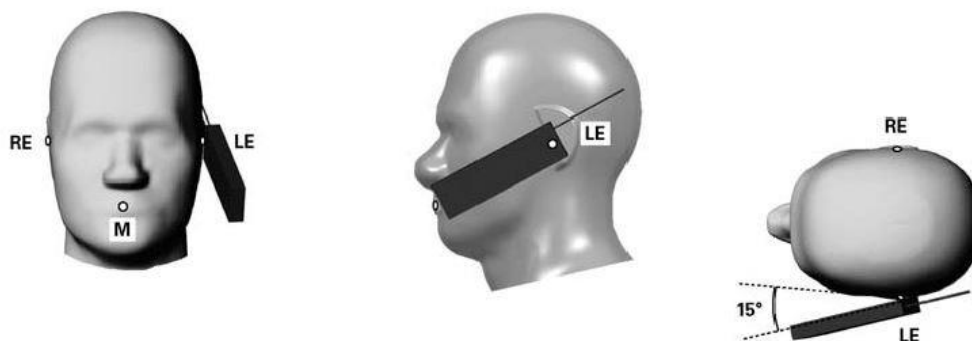


Fig 9.3.1 Tilt position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which define the Reference Plane for handset positioning, are indicated.

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 W/kg, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a handset 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-chip used with different holsters with no other metallic components) only the accessory that dictates the closest spacing to the body is tested.

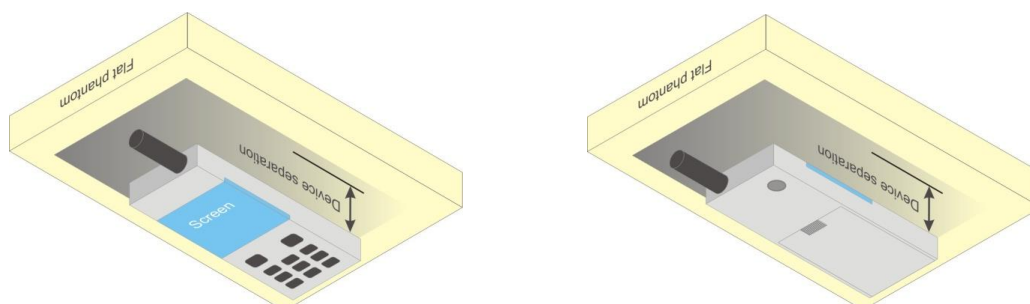


Fig 9.4 Body Worn Position

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 uplink carrier aggregation with a maximum of two 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.
2. 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.
3. Additional SAR measurement for 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	2C
2	5B
3	7C
4	66B
5	66C
6	38C
7	41C

【CA_2C_Ant 8_DSI 0 (Motion-Sensor off)】

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		
18700	18898	QPSK	1	99	1	0	23.18	25.00
18900	19098	QPSK	1	99	1	0	23.11	25.00
19100	18902	QPSK	1	0	1	99	23.13	25.00

【CA_2C_Ant 8_DSI 2 (Head)】

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		
18700	18898	QPSK	1	99	1	0	23.18	25.00
18900	19098	QPSK	1	99	1	0	23.11	25.00
19100	18902	QPSK	1	0	1	99	23.13	25.00

【CA_2C_Ant 8_DSI 2_WiFi ON (Head_Simultaneous)】

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		
18700	18898	QPSK	1	99	1	0	23.18	24.80
18900	19098	QPSK	1	99	1	0	23.11	24.80
19100	18902	QPSK	1	0	1	99	23.13	24.80

【CA_2C_Ant 8_DSI 3 (Hotspot)】

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		
18700	18898	QPSK	1	99	1	0	16.60	17.90
18900	19098	QPSK	1	99	1	0	16.65	17.90
19100	18902	QPSK	1	0	1	99	16.72	17.90

【CA_2C_Ant 8_DSI 1 (Bodyworn/Extremity)】

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		
18700	18898	QPSK	1	99	1	0	21.18	22.00
18900	19098	QPSK	1	99	1	0	21.43	22.00
19100	18902	QPSK	1	0	1	99	21.20	22.00

【CA_2C_Ant 8_DSI 1_WiFi ON (Bodyworn/Extremity_Simultaneous)】

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		
18700	18898	QPSK	1	99	1	0	16.60	17.90
18900	19098	QPSK	1	99	1	0	16.65	17.90
19100	18902	QPSK	1	0	1	99	16.72	17.90

【CA_5B_Ant 8_DSI 0 (Motion-Sensor off)】

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	23.55	25.00
20476	20575	QPSK	1	49	1	0	23.67	25.00
20600	20501	QPSK	1	0	1	49	23.52	25.00

【CA_5B_Ant 8_DSI 2 (Head)】

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	23.55	25.00
20476	20575	QPSK	1	49	1	0	23.67	25.00
20600	20501	QPSK	1	0	1	49	23.52	25.00

【CA_5B_Ant 8_DSI 2_WiFi ON (Head_Simultaneous)】

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	22.27	22.90
20476	20575	QPSK	1	49	1	0	22.40	22.90
20600	20501	QPSK	1	0	1	49	22.50	22.90

【CA_5B_Ant 8_DSI 3 (Hotspot)】

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	19.58	20.20
20476	20575	QPSK	1	49	1	0	19.71	20.20
20600	20501	QPSK	1	0	1	49	19.66	20.20

【CA_5B_Ant 8_DSI 1 (Bodyworn/Extremity)】

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	23.55	25.00
20476	20575	QPSK	1	49	1	0	23.67	25.00
20600	20501	QPSK	1	0	1	49	23.52	25.00

【CA_5B_Ant 8_DSI 1_WiFi ON (Bodyworn/Extremity_Simultaneous)】

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	19.58	20.20
20476	20575	QPSK	1	49	1	0	19.71	20.20
20600	20501	QPSK	1	0	1	49	19.66	20.20

【CA_7C_Ant 1_DSI 0 (Motion-Sensor off)】

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	23.35	25.00
21100	21298	QPSK	1	99	1	0	23.41	25.00
21350	21152	QPSK	1	0	1	99	23.13	25.00

【CA_7C_Ant 1_DSI 2 (Head)】

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	23.35	24.40
21100	21298	QPSK	1	99	1	0	23.41	24.40
21350	21152	QPSK	1	0	1	99	23.13	24.40

【CA_7C_Ant 1_DSI 2_WiFi ON (Head_Simultaneous)】

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	19.90	21.50
21100	21298	QPSK	1	99	1	0	19.95	21.50
21350	21152	QPSK	1	0	1	99	19.97	21.50

【CA_7C_Ant 1_DSI 3 (Hotspot)】

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	19.90	21.20
21100	21298	QPSK	1	99	1	0	19.95	21.20
21350	21152	QPSK	1	0	1	99	19.97	21.20

【CA_7C_Ant 1_DSI 1 (Bodyworn/Extremity)】

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	23.35	25.00
21100	21298	QPSK	1	99	1	0	23.41	25.00
21350	21152	QPSK	1	0	1	99	23.13	25.00

【CA_7C_Ant 1_DSI 1_WiFi ON (Bodyworn/Extremity_Simultaneous)】

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	19.90	21.20
21100	21298	QPSK	1	99	1	0	19.95	21.20
21350	21152	QPSK	1	0	1	99	19.97	21.20

【CA_38C_Ant 1_DSI 0 (Motion-Sensor off)】

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	23.37	25.00
37901	38099	QPSK	1	99	1	0	23.44	25.00
38150	37952	QPSK	1	0	1	99	23.26	25.00

【CA_38C_Ant 1_DSI 2 (Head)】

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	23.37	25.00
37901	38099	QPSK	1	99	1	0	23.44	25.00
38150	37952	QPSK	1	0	1	99	23.26	25.00

【CA_38C_Ant 1_DSI 2_WiFi ON (Head_Simultaneous)】

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	23.37	24.00
37901	38099	QPSK	1	99	1	0	23.44	24.00
38150	37952	QPSK	1	0	1	99	23.26	24.00

【CA_38C_Ant 1_DSI 3 (Hotspot)】

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	23.37	25.00
37901	38099	QPSK	1	99	1	0	23.44	25.00
38150	37952	QPSK	1	0	1	99	23.26	25.00

【CA_38C_Ant 1_DSI 1 (Bodyworn/Extremity)】

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	23.37	25.00
37901	38099	QPSK	1	99	1	0	23.44	25.00
38150	37952	QPSK	1	0	1	99	23.26	25.00

【CA_38C_Ant 1_DSI 1_WiFi ON (Bodyworn/Extremity_Simultaneous)】

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	23.37	25.00
37901	38099	QPSK	1	99	1	0	23.44	25.00
38150	37952	QPSK	1	0	1	99	23.26	25.00

【CA_41C_Ant 1_DSI 0 (Motion-Sensor off)】

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	23.16	25.00
40185	40383	QPSK	1	99	1	0	23.20	25.00
40620	40818	QPSK	1	99	1	0	23.47	25.00
41055	41253	QPSK	1	99	1	0	23.31	25.00
41490	41292	QPSK	1	0	1	99	23.35	25.00

【CA_41C_Ant 1_DSI 2 (Head)】

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	23.16	25.00
40185	40383	QPSK	1	99	1	0	23.20	25.00
40620	40818	QPSK	1	99	1	0	23.47	25.00
41055	41253	QPSK	1	99	1	0	23.31	25.00
41490	41292	QPSK	1	0	1	99	23.35	25.00

【CA_41C_Ant 1_DSI 2_WiFi ON (Head_Simultaneous)】

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	23.16	24.00
40185	40383	QPSK	1	99	1	0	23.20	24.00
40620	40818	QPSK	1	99	1	0	23.47	24.00
41055	41253	QPSK	1	99	1	0	23.31	24.00
41490	41292	QPSK	1	0	1	99	23.35	24.00

【CA_41C_Ant 1_DSI 3 (Hotspot)】

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	23.16	25.00
40185	40383	QPSK	1	99	1	0	23.20	25.00
40620	40818	QPSK	1	99	1	0	23.47	25.00
41055	41253	QPSK	1	99	1	0	23.31	25.00
41490	41292	QPSK	1	0	1	99	23.35	25.00

【CA_41C_Ant 1_DSI 1 (Bodyworn/Extremity)】

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	23.16	25.00
40185	40383	QPSK	1	99	1	0	23.20	25.00
40620	40818	QPSK	1	99	1	0	23.47	25.00
41055	41253	QPSK	1	99	1	0	23.31	25.00
41490	41292	QPSK	1	0	1	99	23.35	25.00

【CA_41C_Ant 1_DSI 1_WiFi ON (Bodyworn/Extremity_Simultaneous)】

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	23.16	25.00
40185	40383	QPSK	1	99	1	0	23.20	25.00
40620	40818	QPSK	1	99	1	0	23.47	25.00
41055	41253	QPSK	1	99	1	0	23.31	25.00
41490	41292	QPSK	1	0	1	99	23.35	25.00

【CA_66B_Ant 8_DSI 0 (Motion-Sensor off)】

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	23.10	25.00
132322	132415	QPSK	1	74	1	0	23.25	25.00
132597	132504	QPSK	1	0	1	24	23.11	25.00

【CA_66C_Ant 8_DSI 0 (Motion-Sensor off)】

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	23.25	25.00
132322	132520	QPSK	1	99	1	0	23.33	25.00
132572	132374	QPSK	1	0	1	99	23.28	25.00

【CA_66B_Ant 8_DSI 2 (Head)】

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	23.10	25.00
132322	132415	QPSK	1	74	1	0	23.25	25.00
132597	132504	QPSK	1	0	1	24	23.11	25.00

【CA_66C_Ant 8_DSI 2 (Head)】

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	23.25	25.00
132322	132520	QPSK	1	99	1	0	23.33	25.00
132572	132374	QPSK	1	0	1	99	23.28	25.00

【CA_66B_Ant 8_DSI 2_WiFi ON (Head_Simultaneous)】

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	23.10	25.00
132322	132415	QPSK	1	74	1	0	23.25	25.00
132597	132504	QPSK	1	0	1	24	23.11	25.00

【CA_66C_Ant 8_DSI 2_WiFi ON (Head_Simultaneous)】

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	23.25	25.00
132322	132520	QPSK	1	99	1	0	23.33	25.00
132572	132374	QPSK	1	0	1	99	23.28	25.00

【CA_66B_Ant 8_DSI 3 (Hotspot)】

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	18.26	18.70
132322	132415	QPSK	1	74	1	0	18.33	18.70
132597	132504	QPSK	1	0	1	24	18.05	18.70

【CA_66C_Ant 8_DSI 3 (Hotspot)】

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	18.14	18.70
132322	132520	QPSK	1	99	1	0	18.27	18.70
132572	132374	QPSK	1	0	1	99	18.04	18.70

【CA_66B_Ant 8_DSI 1 (Bodyworn/Extremity)】

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	21.61	22.90
132322	132415	QPSK	1	74	1	0	21.71	22.90
132597	132504	QPSK	1	0	1	24	21.67	22.90

【CA_66C_Ant 8_DSI 1 (Bodyworn/Extremity)】

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	21.89	22.90
132322	132520	QPSK	1	99	1	0	21.93	22.90
132572	132374	QPSK	1	0	1	99	21.85	22.90

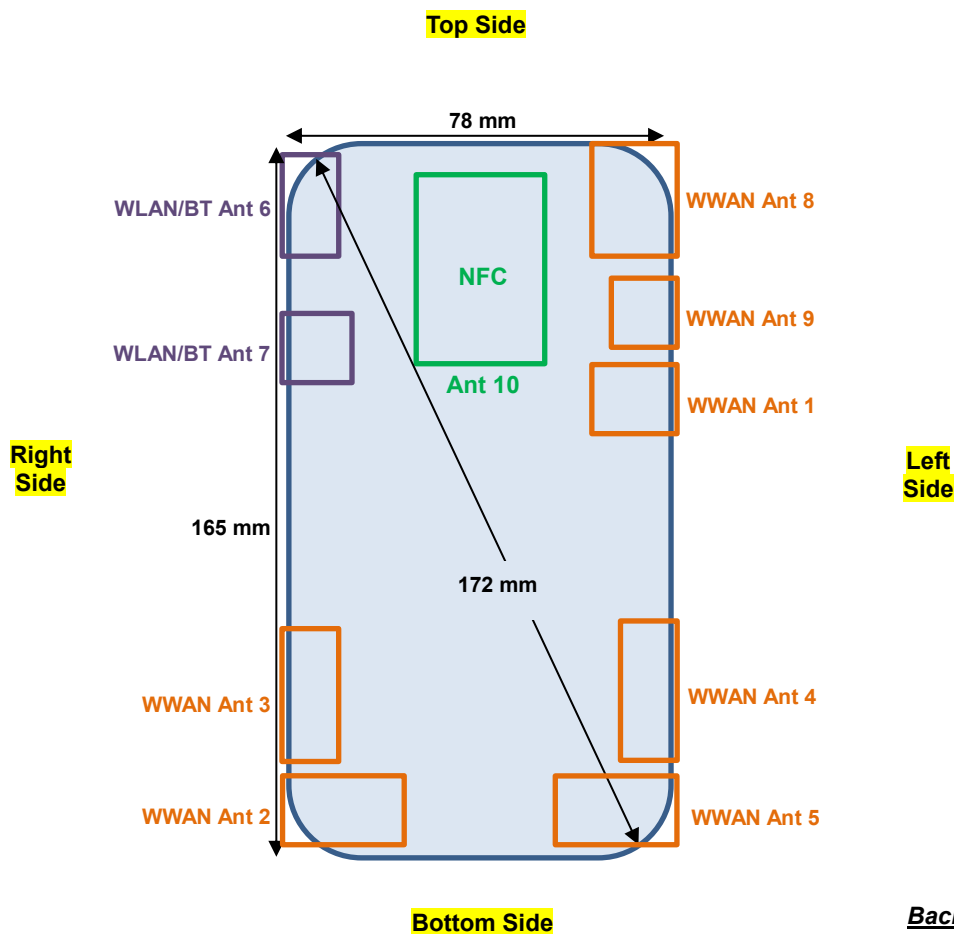
【CA_66B_Ant 8_DSI 1_WiFi ON (Bodyworn/Extremity_Simultaneous)】

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	18.26	18.70
132322	132415	QPSK	1	74	1	0	18.33	18.70
132597	132504	QPSK	1	0	1	24	18.05	18.70

【CA_66C_Ant 8_DSI 1_WiFi ON (Bodyworn/Extremity_Simultaneous)】

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	18.14	18.70
132322	132520	QPSK	1	99	1	0	18.27	18.70
132572	132374	QPSK	1	0	1	99	18.04	18.70

13. Antenna Location


Back View

Distance of the Antenna to the EUT surface/edge						
Antennas	Back	Front	Top Side	Bottom Side	Right Side	Left Side
WWAN Ant 1	≤ 25mm	≤ 25mm	> 25mm	> 25mm	> 25mm	≤ 25mm
WWAN Ant 2	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm	> 25mm
WWAN Ant 3	≤ 25mm	≤ 25mm	> 25mm	> 25mm	≤ 25mm	> 25mm
WWAN Ant 4	≤ 25mm	≤ 25mm	> 25mm	> 25mm	> 25mm	≤ 25mm
WWAN Ant 5	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	> 25mm	≤ 25mm
WLAN/BT Ant MIMO	≤ 25mm	≤ 25mm	≤ 25mm	≤ 25mm	≤ 25mm	≤ 25mm
WWAN Ant 8	≤ 25mm	≤ 25mm	≤ 25mm	> 25mm	> 25mm	≤ 25mm
WWAN Ant 9	≤ 25mm	≤ 25mm	> 25mm	> 25mm	> 25mm	≤ 25mm

Positions for SAR tests; Hotspot mode						
Antennas	Back	Front	Top Side	Bottom Side	Right Side	Left Side
WWAN Ant 1	Yes	Yes	No	No	No	Yes
WWAN Ant 2	Yes	Yes	No	Yes	Yes	No
WWAN Ant 3	Yes	Yes	No	No	Yes	No
WWAN Ant 4	Yes	Yes	No	No	No	Yes
WWAN Ant 5	Yes	Yes	No	Yes	No	Yes
WLAN/BT Ant MIMO	Yes	Yes	Yes	Yes	Yes	Yes
WWAN Ant 8	Yes	Yes	Yes	No	No	Yes
WWAN Ant 9	Yes	Yes	No	No	No	Yes

General Note:

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

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 5.3GHz, 5.5GHz and 6GHz WLAN product specific SAR is necessary, due to an overall diagonal dimension is > 16 cm. the other bands 10-g product specific SAR is not required because the surfaces and edges with hotspot mode measured SAR scaled to the maximum output power 1-g reported SAR < 1.2 W/kg.
6. When the WiFi is on or off, the device WWAN operation will limit different output power, the head and body-worn RF Exposure evaluation was used higher power level perform and assessment Sim-Tx analysis, if some exposure position does not meet simultaneous transmission requirement, additional SAR at lower power level to meet Sim-Tx compliance.
7. The device support DBS mode (Dual band simultaneous) for WLAN operation, for RF Exposure was performed at non-DBS power level to do DBS Sim-Tx analysis, if some exposure position does not meet simultaneous transmission requirement additional SAR at DBS power level to meet Sim-Tx compliance.

GSM Note:

1. Per KDB 941225 D01v03r01, for SAR test reduction for GSM / GPRS / EDGE modes is determined by the source-based time-averaged output power including tune-up tolerance. The mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.
2. Other configurations of GSM / GPRS / EDGE are considered as secondary modes. The 3G SAR test reduction procedure is applied, when the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq \frac{1}{4}$ 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 / DC-HSDPA is $\leq \frac{1}{4}$ dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA / DC-HSDPA to RMC12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA, and according to the following RF output power, the output power results of the secondary modes (HSDPA / HSUPA / DC-HSDPA) are less than $\frac{1}{4}$ dB higher than the primary modes; therefore, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA.

LTE Note:

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

5G NR Note:

1. Referencing the procedure in KDB 941225, the test procedures are outlined as below:
 - a. To start SAR test for the largest channel bandwidth for PI/2 BPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel. Also do SAR test for 50% RB allocation for PI/2 BPSK SAR testing using 1RB PI/2 BPSK allocation procedure
 - b. For PI/2 BPSK with 100% RB allocation, SAR test is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
 - c. For higher modulation QPSK/16QAM/64QAM/256QAM, according to tune-up document the power level is not $\frac{1}{2}$ dB higher than the same configuration in PI/2 BPSK, also reported SAR for the PI/2 BPSK configuration is less than 1.45 W/kg, QPSK/16QAM/64QAM/256QAM SAR testing are not required.
 - d. Smaller bandwidth output power for each RB allocation configuration for this device is not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device
 - e. For 5G FR1 n5/n12/n41/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 was performed using Factory Test Mode software to establish the connection and perform SAR with 100% transmission. And only for TDD power class2 was performed using Factory Test Mode software to establish the connection and perform SAR with 50% transmission.
 - g. For NR FDD was establishing connections via a base station simulator to use for output power measurement and SAR testing.

WLAN Note:

1. Per KDB 248227 D01v02r02, for 2.4GHz 802.11g/n SAR testing is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
2. Per KDB 248227 D01v02r02, 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.
3. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is ≤ 0.8 W/kg or all required test position are tested.
4. For all positions / configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions / configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.
5. For determining the SAR scaling factor in MIMO mode, if the RF hot spots are spatially separated, the scaling factors are individually derived from each transmit chain. If the hot spots are not spatially separated, the scaling factor is determined based on the worst number observed among all transmit chains.
6. During SAR testing, the WLAN transmit signal was continuously monitored using a spectrum analyzer to ensure continuous and stable signal output throughout the measurement.

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 evaluate incident PD using the mmw near-field probe and total-field/power-density reconstruction method.
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 section 15.
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 functions primarily under extremity exposure scenarios in hand-held use. Accordingly, standalone 10-gram extremity SAR testing is conducted in active transmission mode, using a 100% duty cycle and a 0 mm separation distance.
2. Extremity SAR measurements for NFC are performed on all applicable edges and surfaces of the device.

**14.1 Head SAR**

【GSM SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Battery	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
01	GSM850	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2	251	848.8	Battery 1	Sample 1	29.15	29.50	1.084	-0.04	0.844	0.915
	GSM850	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2	128	824.2	Battery 1	Sample 1	29.10	29.50	1.096	-0.14	0.923	1.012
	GSM850	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2	189	836.4	Battery 1	Sample 1	29.13	29.50	1.089	0.00	1.070	1.165
	GSM850	GPRS 4 Tx slots	Right Tilted	0mm	Ant 8	DSI 2	251	848.8	Battery 1	Sample 1	29.15	29.50	1.084	0.07	0.665	0.721
	GSM850	GPRS 4 Tx slots	Left Cheek	0mm	Ant 8	DSI 2	251	848.8	Battery 1	Sample 1	29.15	29.50	1.084	-0.01	0.415	0.450
	GSM850	GPRS 4 Tx slots	Left Tilted	0mm	Ant 8	DSI 2	251	848.8	Battery 1	Sample 1	29.15	29.50	1.084	0.17	0.309	0.335
	GSM850	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2	189	836.4	Battery 1	Sample 2	29.13	29.50	1.089	0.04	0.847	0.922
	GSM850	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2	189	836.4	Battery 1	Sample 3	29.13	29.50	1.089	0.02	0.950	1.035
	GSM850	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2	189	836.4	Battery 1	Sample 4	29.13	29.50	1.089	0.14	0.525	0.572
	GSM850	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2	189	836.4	Battery 1	Sample 1	29.13	29.50	1.089	-0.01	1.040	1.133
	GSM850	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2_Wifi ON	189	836.4	Battery 1	Sample 1	26.93	27.70	1.194	0.00	0.591	0.706
	GSM850	GPRS 4 Tx slots	Right Tilted	0mm	Ant 8	DSI 2_Wifi ON	251	848.8	Battery 1	Sample 1	27.32	27.70	1.091	-0.06	0.367	0.400
	GSM850	GPRS 4 Tx slots	Left Cheek	0mm	Ant 8	DSI 2_Wifi ON	251	848.8	Battery 1	Sample 1	27.32	27.70	1.091	0.08	0.229	0.250
	GSM1900	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2	512	1850.2	Battery 1	Sample 1	29.93	30.00	1.016	0.02	0.610	0.620
	GSM1900	GPRS 4 Tx slots	Right Tilted	0mm	Ant 8	DSI 2	512	1850.2	Battery 1	Sample 1	29.93	30.00	1.016	-0.12	0.392	0.398
02	GSM1900	GPRS 4 Tx slots	Left Cheek	0mm	Ant 8	DSI 2	512	1850.2	Battery 1	Sample 1	29.93	30.00	1.016	0.09	0.363	0.369
	GSM1900	GPRS 4 Tx slots	Left Tilted	0mm	Ant 8	DSI 2	512	1850.2	Battery 1	Sample 1	29.93	30.00	1.016	-0.14	0.325	0.330
	GSM1900	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2	512	1850.2	Battery 1	Sample 2	29.93	30.00	1.016	-0.03	0.507	0.515
	GSM1900	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2	512	1850.2	Battery 1	Sample 3	29.93	30.00	1.016	-0.01	0.562	0.571
	GSM1900	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2	512	1850.2	Battery 1	Sample 4	29.93	30.00	1.016	-0.16	0.476	0.484
	GSM1900	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2	512	1850.2	Battery 2	Sample 1	29.93	30.00	1.016	-0.09	0.439	0.446

【WCDMA SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Battery	Sample	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	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	9262	1852.4	Battery 1	Sample 1	23.73	25.00	1.34	-0.03	0.428	0.574
	WCDMA II	RMC 12.2Kbps	Right Tilted	0mm	Ant 8	DSI 2	9262	1852.4	Battery 1	Sample 1	23.73	25.00	1.34	0.18	0.269	0.360
	WCDMA II	RMC 12.2Kbps	Left Cheek	0mm	Ant 8	DSI 2	9262	1852.4	Battery 1	Sample 1	23.73	25.00	1.34	0.11	0.271	0.363
	WCDMA II	RMC 12.2Kbps	Left Tilted	0mm	Ant 8	DSI 2	9262	1852.4	Battery 1	Sample 1	23.73	25.00	1.34	0.07	0.260	0.348
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	9262	1852.4	Battery 1	Sample 2	23.73	25.00	1.34	0.06	0.324	0.434
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	9262	1852.4	Battery 1	Sample 3	23.73	25.00	1.34	0.03	0.373	0.500
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	9262	1852.4	Battery 1	Sample 4	23.73	25.00	1.34	0.10	0.393	0.527
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	9262	1852.4	Battery 2	Sample 1	23.73	25.00	1.34	-0.09	0.402	0.539
04	WCDMA IV	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	1312	1712.4	Battery 1	Sample 1	23.82	25.00	1.312	0.01	0.544	0.714
	WCDMA IV	RMC 12.2Kbps	Right Tilted	0mm	Ant 8	DSI 2	1312	1712.4	Battery 1	Sample 1	23.82	25.00	1.312	0.02	0.281	0.369
	WCDMA IV	RMC 12.2Kbps	Left Cheek	0mm	Ant 8	DSI 2	1312	1712.4	Battery 1	Sample 1	23.82	25.00	1.312	-0.07	0.270	0.354
	WCDMA IV	RMC 12.2Kbps	Left Tilted	0mm	Ant 8	DSI 2	1312	1712.4	Battery 1	Sample 1	23.82	25.00	1.312	-0.03	0.213	0.279
	WCDMA IV	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	1312	1712.4	Battery 1	Sample 2	23.82	25.00	1.312	0.11	0.498	0.653
	WCDMA IV	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	1312	1712.4	Battery 1	Sample 3	23.82	25.00	1.312	-0.12	0.541	0.710
	WCDMA IV	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	1312	1712.4	Battery 1	Sample 4	23.82	25.00	1.312	-0.17	0.500	0.656
	WCDMA IV	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	1312	1712.4	Battery 2	Sample 1	23.82	25.00	1.312	0.15	0.530	0.695
05	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	4132	826.4	Battery 1	Sample 1	23.88	25.00	1.294	0.13	0.700	0.906
	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	4182	836.4	Battery 1	Sample 1	23.83	25.00	1.309	0.03	0.834	1.092
	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	4233	846.6	Battery 1	Sample 1	23.84	25.00	1.306	0.05	0.705	0.921
	WCDMA V	RMC 12.2Kbps	Right Tilted	0mm	Ant 8	DSI 2	4132	826.4	Battery 1	Sample 1	23.88	25.00	1.294	0.04	0.468	0.606
	WCDMA V	RMC 12.2Kbps	Left Cheek	0mm	Ant 8	DSI 2	4132	826.4	Battery 1	Sample 1	23.88	25.00	1.294	0.15	0.390	0.505
	WCDMA V	RMC 12.2Kbps	Left Tilted	0mm	Ant 8	DSI 2	4132	826.4	Battery 1	Sample 1	23.88	25.00	1.294	0.01	0.336	0.435
	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	4182	836.4	Battery 1	Sample 2	23.83	25.00	1.309	0.03	0.814	1.066
	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	4182	836.4	Battery 1	Sample 3	23.83	25.00	1.309	-0.00	0.805	1.054
	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	4182	836.4	Battery 1	Sample 4	23.83	25.00	1.309	-0.16	0.774	1.013
	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	4182	836.4	Battery 2	Sample 1	23.83	25.00	1.309	0.17	0.798	1.045
	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2_WiFi ON	4182	836.4	Battery 1	Sample 1	22.62	22.90	1.067	-0.01	0.640	0.683
	WCDMA V	RMC 12.2Kbps	Right Tilted	0mm	Ant 8	DSI 2_WiFi ON	4132	826.4	Battery 1	Sample 1	22.75	22.90	1.035	-0.11	0.431	0.446
	WCDMA V	RMC 12.2Kbps	Left Cheek	0mm	Ant 8	DSI 2_WiFi ON	4132	826.4	Battery 1	Sample 1	22.75	22.90	1.035	0.15	0.359	0.372



FCC SAR TEST REPORT

Report No. : FA5N2836B

【LTE SAR】

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Battery	Sample	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 2	20M	QPSK	1	0	Right Cheek	0mm	Ant 2	DSI 2	19100	1900	Battery 1	Sample 1	21.50	21.50	1.0			-0.11	0.017	0.017
	LTE Band 2	20M	QPSK	50	0	Right Cheek	0mm	Ant 2	DSI 2	19100	1900	Battery 1	Sample 1	21.41	21.50	1.021			-0.14	0.013	0.013
	LTE Band 2	20M	QPSK	1	0	Right Tilted	0mm	Ant 2	DSI 2	19100	1900	Battery 1	Sample 1	21.50	21.50	1.0			0.00	0.001	0.001
	LTE Band 2	20M	QPSK	50	0	Right Tilted	0mm	Ant 2	DSI 2	19100	1900	Battery 1	Sample 1	21.41	21.50	1.021			0.00	0.001	0.001
	LTE Band 2	20M	QPSK	1	0	Left Cheek	0mm	Ant 2	DSI 2	19100	1900	Battery 1	Sample 1	21.50	21.50	1.0			0.18	0.015	0.015
	LTE Band 2	20M	QPSK	50	0	Left Cheek	0mm	Ant 2	DSI 2	19100	1900	Battery 1	Sample 1	21.41	21.50	1.021			-0.13	0.012	0.012
	LTE Band 2	20M	QPSK	1	0	Left Tilted	0mm	Ant 2	DSI 2	19100	1900	Battery 1	Sample 1	21.50	21.50	1.0			0.00	0.001	0.001
	LTE Band 2	20M	QPSK	50	0	Left Tilted	0mm	Ant 2	DSI 2	19100	1900	Battery 1	Sample 1	21.41	21.50	1.021			0.00	0.001	0.001
	LTE Band 2	20M	QPSK	1	0	Right Cheek	0mm	Ant 2	DSI 2	19100	1900	Battery 1	Sample 2	21.50	21.50	1.0			0.10	0.010	0.010
	LTE Band 2	20M	QPSK	1	0	Right Cheek	0mm	Ant 2	DSI 2	19100	1900	Battery 1	Sample 3	21.50	21.50	1.0			0.08	0.012	0.012
	LTE Band 2	20M	QPSK	1	0	Right Cheek	0mm	Ant 2	DSI 2	19100	1900	Battery 1	Sample 4	21.50	21.50	1.0			-0.16	0.015	0.015
	LTE Band 2	20M	QPSK	1	0	Right Cheek	0mm	Ant 2	DSI 2	19100	1900	Battery 2	Sample 1	21.50	21.50	1.0			0.04	0.011	0.011
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	21100	2535	Battery 1	Sample 1	23.45	24.40	1.245			0.18	0.838	1.043
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	20850	2510	Battery 1	Sample 1	23.21	24.40	1.315			0.09	0.863	1.135
07	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	21350	2560	Battery 1	Sample 1	23.44	24.40	1.247			-0.00	0.932	1.162
	LTE Band 7	20M	QPSK	50	0	Right Cheek	0mm	Ant 1	DSI 2	21100	2535	Battery 1	Sample 1	22.50	23.40	1.23			0.01	0.665	0.818
	LTE Band 7	20M	QPSK	50	0	Right Cheek	0mm	Ant 1	DSI 2	20850	2510	Battery 1	Sample 1	22.38	23.40	1.265			0.09	0.705	0.892
	LTE Band 7	20M	QPSK	50	0	Right Cheek	0mm	Ant 1	DSI 2	21350	2560	Battery 1	Sample 1	22.48	23.40	1.236			0.08	0.747	0.923
	LTE Band 7	20M	QPSK	100	0	Right Cheek	0mm	Ant 1	DSI 2	21350	2560	Battery 1	Sample 1	22.44	23.40	1.247			0.13	0.728	0.908
	LTE Band 7	20M	QPSK	1	0	Right Tilted	0mm	Ant 1	DSI 2	21100	2535	Battery 1	Sample 1	23.45	24.40	1.245			-0.00	0.157	0.195
	LTE Band 7	20M	QPSK	50	0	Right Tilted	0mm	Ant 1	DSI 2	21100	2535	Battery 1	Sample 1	22.50	23.40	1.23			-0.05	0.136	0.167
	LTE Band 7	20M	QPSK	1	0	Left Cheek	0mm	Ant 1	DSI 2	21100	2535	Battery 1	Sample 1	23.45	24.40	1.245			0.01	0.615	0.766
	LTE Band 7	20M	QPSK	50	0	Left Cheek	0mm	Ant 1	DSI 2	21100	2535	Battery 1	Sample 1	22.50	23.40	1.23			0.09	0.564	0.694
	LTE Band 7	20M	QPSK	1	0	Left Tilted	0mm	Ant 1	DSI 2	21100	2535	Battery 1	Sample 1	23.45	24.40	1.245			-0.10	0.111	0.138
	LTE Band 7	20M	QPSK	50	0	Left Tilted	0mm	Ant 1	DSI 2	21100	2535	Battery 1	Sample 1	22.50	23.40	1.23			0.12	0.090	0.111
	LTE Band 7C	20M+20M	QPSK	1	99	Right Cheek	0mm	Ant 1	DSI 2	21100+21298	2535+2554.8	Battery 1	Sample 1	23.41	24.40	1.256			0.09	0.807	1.014
	LTE Band 7C	20M+20M	QPSK	1	99	Right Cheek	0mm	Ant 1	DSI 2	20850+21048	2510+2529.8	Battery 1	Sample 1	23.35	24.40	1.274			-0.04	0.768	0.978
	LTE Band 7C	20M+20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	21350+21152	2560+2540.2	Battery 1	Sample 1	23.13	24.40	1.34			0.05	0.743	0.996
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	21350	2560	Battery 1	Sample 2	23.44	24.40	1.247			-0.10	0.632	0.788
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	21350	2560	Battery 1	Sample 3	23.44	24.40	1.247			0.07	0.629	0.784
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	21350	2560	Battery 1	Sample 4	23.44	24.40	1.247			-0.04	0.706	0.880
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	21350	2560	Battery 2	Sample 1	23.44	24.40	1.247			-0.08	0.625	0.779
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2_WiFi ON	21350	2560	Battery 1	Sample 1	20.66	21.50	1.213			0.00	0.540	0.655
	LTE Band 7	20M	QPSK	1	0	Left Cheek	0mm	Ant 1	DSI 2_WiFi ON	21100	2535	Battery 1	Sample 1	20.59	21.50	1.233			-0.03	0.307	0.379
08	LTE Band 12	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23095	707.5	Battery 1	Sample 1	23.47	25.00	1.422			-0.03	0.523	0.744
	LTE Band 12	10M	QPSK	25	0	Right Cheek	0mm	Ant 8	DSI 2	23095	707.5	Battery 1	Sample 1	22.51	24.00	1.409			-0.06	0.345	0.486
	LTE Band 12	10M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	23095	707.5	Battery 1	Sample 1	23.47	25.00	1.422			0.04	0.302	0.429
	LTE Band 12	10M	QPSK	25	0	Right Tilted	0mm	Ant 8	DSI 2	23095	707.5	Battery 1	Sample 1	22.51	24.00	1.409			0.12	0.241	0.340
	LTE Band 12	10M	QPSK	1	0	Left Cheek	0mm	Ant 8	DSI 2	23095	707.5	Battery 1	Sample 1	23.47	25.00	1.422			-0.14	0.199	0.283
	LTE Band 12	10M	QPSK	25	0	Left Cheek	0mm	Ant 8	DSI 2	23095	707.5	Battery 1	Sample 1	22.51	24.00	1.409			0.01	0.163	0.230
	LTE Band 12	10M	QPSK	1	0	Left Tilted	0mm	Ant 8	DSI 2	23095	707.5	Battery 1	Sample 1	23.47	25.00	1.422			0.10	0.145	0.206
	LTE Band 12	10M	QPSK	25	0	Left Tilted	0mm	Ant 8	DSI 2	23095	707.5	Battery 1	Sample 1	22.51	24.00	1.409			-0.03	0.118	0.166
	LTE Band 12	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23095	707.5	Battery 1	Sample 2	23.47	25.00	1.422			-0.05	0.425	0.604
	LTE Band 12	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23095	707.5	Battery 1	Sample 3	23.47	25.00	1.422			-0.18	0.429	0.610
	LTE Band 12	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23095	707.5	Battery 1	Sample 4	23.47	25.00	1.422			-0.18	0.476	0.677
	LTE Band 12	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23095	707.5	Battery 2	Sample 1	23.47	25.00	1.422			0.15	0.501	0.712
09	LTE Band 13	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23230	782	Battery 1	Sample 1	23.48	25.00	1.419			-0.00	0.598	0.849
	LTE Band 13	10M	QPSK	25	0	Right Cheek	0mm	Ant 8	DSI 2	23230	782	Battery 1	Sample 1	22.45	24.00	1.429			-0.09	0.403	0.576
	LTE Band 13	10M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	23230	782	Battery 1	Sample 1	22.48	24.00	1.419			0.08	0.398	0.565
	LTE Band 13	10M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	23230	782	Battery 1	Sample 1	23.48	25.00	1.419			0.02	0.360	0.511
	LTE Band 13	10M	QPSK	25	0	Right Tilted	0mm	Ant 8	DSI 2	23230	782	Battery 1	Sample 1	22.45	24.00	1.429			0.15	0.312	0.446
	LTE Band 13	10M	QPSK	1	0	Left Cheek	0mm	Ant 8	DSI 2	23230	782	Battery 1	Sample 1	23.48	25.00	1.419			0.19	0.258	0.366
	LTE Band 13	10M	QPSK	25	0	Left Cheek	0mm	Ant 8	DSI 2	23230	782	Battery 1	Sample 1	22.45	24.00	1.429			0.18	0.211	0.302
	LTE Band 13	10M	QPSK	1	0	Left Tilted	0mm	Ant 8	DSI 2	23230	782	Battery 1	Sample 1	23.48	25.00	1.419			0.11	0.201	0.285
	LTE Band 13	10M	QPSK	25	0	Left Tilted	0mm	Ant 8	DSI 2	23230	782	Battery 1	Sample 1	22.45	24.00	1.429			-0.11	0.161	0.230
	LTE Band 13	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23230	782	Battery 1	Sample 2	23.48	25.00	1.419			0.10	0.510	0.724
	LTE Band 13	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23230	782	Battery 1	Sample 3	23.48	25.00	1.419			-0.02	0.511	0.725
	LTE Band 13	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23230	782	Battery 1	Sample 4	23.48	25.00	1.419			0.15	0.548	0.778
	LTE Band 13	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23230	782	Battery 2	Sample 1	23.48	25.00	1.419			0.03	0.589	0.836
	LTE Band 13	10M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2_WiFi ON	23230	782	Battery 1	Sample 1	23.48	24.40	1.236			0.02	0.360	0.445
10	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	26340	1880	Battery 1	Sample 1	23.25	25.00	1.496			0.02	0.384	0.574
	LTE Band 25	20M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	26340	1880	Battery 1	Sample 1	22.40	24.00	1.445			-0.09	0.289	0.418
	LTE Band 25	20M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	26340	1880	Battery 1	Sample 1	23.25	25.00	1.496			-0.12	0.273	0.408
	LTE Band 25	20M	QPSK	50	0	Right Tilted	0mm	Ant 8	DSI 2	26340	1880	Battery 1	Sample 1	22.40	24.00	1.445			0.05	0.224	0.324
	LTE Band 25	20M	QPSK	1	0	Left Cheek	0mm	Ant 8	DSI 2	26340	1880	Battery 1	Sample 1	23.25	25.00	1.496			0.06	0.265	0.396
	LTE Band 25	20M	QPSK	50	0	Left Cheek	0mm	Ant 8	DSI 2	26340	1880	Battery 1	Sample 1	22.40	24.00	1.445			0.10	0.243	0.351



FCC SAR TEST REPORT

Report No. : FA5N2836B

	LTE Band 25	20M	QPSK	1	0	Left Tilted	0mm	Ant 8	DSI 2	26340	1880	Battery 1	Sample 1	23.25	25.00	1.496			0.03	0.284	0.425
	LTE Band 25	20M	QPSK	50	0	Left Tilted	0mm	Ant 8	DSI 2	26340	1880	Battery 1	Sample 1	22.40	24.00	1.445			-0.13	0.233	0.337
	LTE Band 2C	20M+20M	QPSK	1	99	Right Cheek	0mm	Ant 8	DSI 2	18700+18898	1860+1879.8	Battery 1	Sample 1	23.18	25.00	1.521			0.09	0.342	0.520
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	26340	1880	Battery 1	Sample 2	23.25	25.00	1.496			-0.14	0.331	0.495
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	26340	1880	Battery 1	Sample 3	23.25	25.00	1.496			-0.16	0.351	0.525
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	26340	1880	Battery 1	Sample 4	23.25	25.00	1.496			0.13	0.378	0.565
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	26340	1880	Battery 2	Sample 1	23.25	25.00	1.496			-0.14	0.381	0.570
	LTE Band 25	20M	QPSK	1	0	Left Cheek	0mm	Ant 8	DSI 2_WiFi ON	26340	1880	Battery 1	Sample 1	23.25	24.80	1.429			0.06	0.265	0.379
11	LTE Band 26	15M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	26865	831.5	Battery 1	Sample 1	23.54	25.00	1.4			-0.00	0.710	0.994
	LTE Band 26	15M	QPSK	36	0	Right Cheek	0mm	Ant 8	DSI 2	26865	831.5	Battery 1	Sample 1	22.50	24.00	1.413			-0.08	0.522	0.738
	LTE Band 26	15M	QPSK	75	0	Right Cheek	0mm	Ant 8	DSI 2	26865	831.5	Battery 1	Sample 1	22.49	24.00	1.415			-0.16	0.517	0.732
	LTE Band 26	15M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	26865	831.5	Battery 1	Sample 1	23.54	25.00	1.4			-0.00	0.503	0.704
	LTE Band 26	15M	QPSK	36	0	Right Tilted	0mm	Ant 8	DSI 2	26865	831.5	Battery 1	Sample 1	22.50	24.00	1.413			-0.03	0.487	0.688
	LTE Band 26	15M	QPSK	1	0	Left Cheek	0mm	Ant 8	DSI 2	26865	831.5	Battery 1	Sample 1	23.54	25.00	1.4			-0.08	0.362	0.507
	LTE Band 26	15M	QPSK	36	0	Left Cheek	0mm	Ant 8	DSI 2	26865	831.5	Battery 1	Sample 1	22.50	24.00	1.413			-0.09	0.285	0.403
	LTE Band 26	15M	QPSK	1	0	Left Tilted	0mm	Ant 8	DSI 2	26865	831.5	Battery 1	Sample 1	23.54	25.00	1.4			0.17	0.266	0.372
	LTE Band 26	15M	QPSK	36	0	Left Tilted	0mm	Ant 8	DSI 2	26865	831.5	Battery 1	Sample 1	22.50	24.00	1.413			-0.15	0.209	0.295
	LTE Band 5B	10M+10M	QPSK	1	49	Right Cheek	0mm	Ant 8	DSI 2	20476+20575	831.6+841.5	Battery 1	Sample 1	23.67	25.00	1.358			0.01	0.648	0.880
	LTE Band 5B	10M+10M	QPSK	1	49	Right Cheek	0mm	Ant 8	DSI 2	20450+20549	829+838.9	Battery 1	Sample 1	23.55	25.00	1.396			0.01	0.518	0.723
	LTE Band 5B	10M+10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	20600+20501	844+834.1	Battery 1	Sample 1	23.52	25.00	1.406			-0.04	0.496	0.697
	LTE Band 26	15M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	26865	831.5	Battery 1	Sample 2	23.54	25.00	1.4			0.15	0.663	0.928
	LTE Band 26	15M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	26865	831.5	Battery 1	Sample 3	23.54	25.00	1.4			0.02	0.653	0.914
	LTE Band 26	15M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	26865	831.5	Battery 1	Sample 4	23.54	25.00	1.4			-0.07	0.680	0.952
	LTE Band 26	15M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	26865	831.5	Battery 2	Sample 1	23.54	25.00	1.4			-0.04	0.666	0.932
	LTE Band 26	15M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2_WiFi ON	26865	831.5	Battery 1	Sample 1	22.51	22.90	1.094			0.08	0.576	0.630
	LTE Band 26	15M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2_WiFi ON	26865	831.5	Battery 1	Sample 1	22.51	22.90	1.094			-0.00	0.408	0.446
	LTE Band 26	15M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2_WiFi ON	26865	831.5	Battery 1	Sample 1	22.51	22.90	1.094			-0.11	0.316	0.346
12	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	132322	1745	Battery 1	Sample 1	23.40	25.00	1.445			0.00	0.449	0.649
	LTE Band 66	20M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	132322	1745	Battery 1	Sample 1	22.43	24.00	1.435			0.11	0.315	0.452
	LTE Band 66	20M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	132322	1745	Battery 1	Sample 1	23.40	25.00	1.445			-0.15	0.212	0.306
	LTE Band 66	20M	QPSK	50	0	Right Tilted	0mm	Ant 8	DSI 2	132322	1745	Battery 1	Sample 1	22.43	24.00	1.435			-0.17	0.170	0.244
	LTE Band 66	20M	QPSK	1	0	Left Cheek	0mm	Ant 8	DSI 2	132322	1745	Battery 1	Sample 1	23.40	25.00	1.445			0.06	0.227	0.328
	LTE Band 66	20M	QPSK	50	0	Left Cheek	0mm	Ant 8	DSI 2	132322	1745	Battery 1	Sample 1	22.43	24.00	1.435			-0.10	0.182	0.261
	LTE Band 66	20M	QPSK	1	0	Left Tilted	0mm	Ant 8	DSI 2	132322	1745	Battery 1	Sample 1	23.40	25.00	1.445			0.09	0.197	0.285
	LTE Band 66	20M	QPSK	50	0	Left Tilted	0mm	Ant 8	DSI 2	132322	1745	Battery 1	Sample 1	22.43	24.00	1.435			0.18	0.158	0.227
	LTE Band 66B	15M+5M	QPSK	1	74	Right Cheek	0mm	Ant 8	DSI 2	132322+132415	1745+1754.3	Battery 1	Sample 1	23.25	25.00	1.496			0.01	0.409	0.612
	LTE Band 66C	20M+20M	QPSK	1	99	Right Cheek	0mm	Ant 8	DSI 2	132322+132520	1745+1764.8	Battery 1	Sample 1	23.33	25.00	1.469			-0.03	0.417	0.613
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	132322	1745	Battery 1	Sample 2	23.40	25.00	1.445			-0.17	0.427	0.617
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	132322	1745	Battery 1	Sample 3	23.40	25.00	1.445			0.13	0.442	0.639
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	132322	1745	Battery 1	Sample 4	23.40	25.00	1.445			0.07	0.394	0.569
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	132322	1745	Battery 2	Sample 1	23.40	25.00	1.445			-0.13	0.442	0.639
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 2	DSI 2	132322	1745	Battery 1	Sample 1	21.50	21.50	1.0			-0.02	0.107	0.107
	LTE Band 66	20M	QPSK	50	0	Right Cheek	0mm	Ant 2	DSI 2	132322	1745	Battery 1	Sample 1	21.42	21.50	1.019			-0.05	0.055	0.056
	LTE Band 66	20M	QPSK	1	0	Right Tilted	0mm	Ant 2	DSI 2	132322	1745	Battery 1	Sample 1	21.50	21.50	1.0			0.00	0.012	0.012
	LTE Band 66	20M	QPSK	50	0	Right Tilted	0mm	Ant 2	DSI 2	132322	1745	Battery 1	Sample 1	21.42	21.50	1.019			0.00	0.010	0.010
	LTE Band 66	20M	QPSK	1	0	Left Cheek	0mm	Ant 2	DSI 2	132322	1745	Battery 1	Sample 1	21.50	21.50	1.0			0.00	0.032	0.032
	LTE Band 66	20M	QPSK	50	0	Left Cheek	0mm	Ant 2	DSI 2	132322	1745	Battery 1	Sample 1	21.42	21.50	1.019			0.00	0.028	0.029
	LTE Band 66	20M	QPSK	1	0	Left Tilted	0mm	Ant 2	DSI 2	132322	1745	Battery 1	Sample 1	21.50	21.50	1.0			0.00	0.008	0.008
	LTE Band 66	20M	QPSK	50	0	Left Tilted	0mm	Ant 2	DSI 2	132322	1745	Battery 1	Sample 1	21.42	21.50	1.019			0.00	0.006	0.006
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 2	DSI 2	132322	1745	Battery 1	Sample 2	21.50	21.50	1.0			-0.15	0.059	0.059
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 2	DSI 2	132322	1745	Battery 1	Sample 3	21.50	21.50	1.0			-0.09	0.078	0.078
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 2	DSI 2	132322	1745	Battery 1	Sample 4	21.50	21.50	1.0			-0.04	0.070	0.070
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 2	DSI 2	132322	1745	Battery 2	Sample 1	21.50	21.50	1.0			-0.07	0.103	0.103
13	LTE Band 71	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	133297	680.5	Battery 1	Sample 1	23.16	25.00	1.528			0.01	0.322	0.492
	LTE Band 71	20M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	133297	680.5	Battery 1	Sample 1	22.30	24.00	1.479			-0.18	0.239	0.353
	LTE Band 71	20M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	133297	680.5	Battery 1	Sample 1	23.16	25.00	1.528			0.18	0.167	0.255
	LTE Band 71	20M	QPSK	50	0	Right Tilted	0mm	Ant 8	DSI 2	133297	680.5	Battery 1	Sample 1	22.30	24.00	1.479			0.17	0.136	0.201
	LTE Band 71	20M	QPSK	1	0	Left Cheek	0mm	Ant 8	DSI 2	133297	680.5	Battery 1	Sample 1	23.16	25.00	1.528			-0.09	0.148	0.226
	LTE Band 71	20M	QPSK	50	0	Left Cheek	0mm	Ant 8	DSI 2	133297	680.5	Battery 1	Sample 1	22.30	24.00	1.479			-0.10	0.122	0.180
	LTE Band 71	20M	QPSK	1	0	Left Tilted	0mm	Ant 8	DSI 2	133297	680.5	Battery 1	Sample 1	23.16	25.00	1.528			-0.05	0.098	0.150
	LTE Band 71	20M	QPSK	50	0	Left Tilted	0mm	Ant 8	DSI 2	133297	680.5	Battery 1	Sample 1	22.30	24.00	1.479			-0.12	0.080	0.118
	LTE Band 71	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	133297	680.5	Battery 1	Sample 2	23.16	25.00	1.528			0.05	0.292	0.446
	LTE Band 71	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	133297	680.5	Battery 1	Sample 3	23.16	25.00	1.528			0.06	0.305	0.466
	LTE Band 71	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	133297	680.5	Battery 1	Sample 4	23.16	25.00	1.528			-0.12	0.306	0.468
	LTE Band 71	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	133297	680.5	Battery 2	Sample 1	23.16	25.00	1.528			0.12	0.311	0.475
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	41490	2680	Battery 1	Sample 1	23.55	25.00	1.396	62.9	1.006	0.18	0.593	0.833
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	39750	2506	Battery 1	Sample 1	23.32	25.00	1.472	62.9				



FCC SAR TEST REPORT

Report No. : FA5N2836B

	LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 1	DSI 2	40185	2549.5	Battery 1	Sample 1	22.51	24.00	1.409	62.9	1.006	0.04	0.428	0.607
	LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 1	DSI 2	40620	2593	Battery 1	Sample 1	22.58	24.00	1.387	62.9	1.006	-0.01	0.466	0.650
	LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 1	DSI 2	41055	2636.5	Battery 1	Sample 1	22.55	24.00	1.396	62.9	1.006	0.11	0.496	0.697
	LTE Band 41	20M	QPSK	100	0	Right Cheek	0mm	Ant 1	DSI 2	41490	2680	Battery 1	Sample 1	22.58	24.00	1.387	62.9	1.006	0.14	0.477	0.666
	LTE Band 41	20M	QPSK	1	0	Right Tilted	0mm	Ant 1	DSI 2	41490	2680	Battery 1	Sample 1	23.55	25.00	1.396	62.9	1.006	-0.10	0.205	0.288
	LTE Band 41	20M	QPSK	50	0	Right Tilted	0mm	Ant 1	DSI 2	41490	2680	Battery 1	Sample 1	22.61	24.00	1.377	62.9	1.006	0.15	0.166	0.230
	LTE Band 41	20M	QPSK	1	0	Left Cheek	0mm	Ant 1	DSI 2	41490	2680	Battery 1	Sample 1	23.55	25.00	1.396	62.9	1.006	-0.10	0.340	0.477
	LTE Band 41	20M	QPSK	50	0	Left Cheek	0mm	Ant 1	DSI 2	41490	2680	Battery 1	Sample 1	22.61	24.00	1.377	62.9	1.006	0.04	0.298	0.413
	LTE Band 41	20M	QPSK	1	0	Left Tilted	0mm	Ant 1	DSI 2	41490	2680	Battery 1	Sample 1	23.55	25.00	1.396	62.9	1.006	-0.02	0.221	0.310
	LTE Band 41	20M	QPSK	50	0	Left Tilted	0mm	Ant 1	DSI 2	41490	2680	Battery 1	Sample 1	22.61	24.00	1.377	62.9	1.006	0.03	0.179	0.248
	LTE Band 38C	20M	QPSK	1	99	Right Cheek	0mm	Ant 1	DSI 2	37901+38099	2585.1+2604.9	Battery 1	Sample 1	23.44	25.00	1.432	62.9	1.006	-0.01	0.557	0.802
	LTE Band 38C	20M	QPSK	1	99	Right Cheek	0mm	Ant 1	DSI 2	37850+38048	2580+2599.8	Battery 1	Sample 1	23.37	25.00	1.455	62.9	1.006	0.01	0.542	0.793
	LTE Band 38C	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	38150+37952	2610+2590.2	Battery 1	Sample 1	23.26	25.00	1.493	62.9	1.006	0.08	0.533	0.801
	LTE Band 41C	20M	QPSK	1	99	Right Cheek	0mm	Ant 1	DSI 2	40620+40818	2593+2612.8	Battery 1	Sample 1	23.47	25.00	1.422	62.9	1.006	0.06	0.567	0.811
	LTE Band 41C	20M	QPSK	1	99	Right Cheek	0mm	Ant 1	DSI 2	39750+39948	2506+2525.8	Battery 1	Sample 1	23.16	25.00	1.528	62.9	1.006	-0.04	0.468	0.719
	LTE Band 41C	20M	QPSK	1	99	Right Cheek	0mm	Ant 1	DSI 2	40185+40383	2549.5+2569.3	Battery 1	Sample 1	23.20	25.00	1.514	62.9	1.006	0.07	0.525	0.800
	LTE Band 41C	20M	QPSK	1	99	Right Cheek	0mm	Ant 1	DSI 2	41055+41253	2636.5+2656.3	Battery 1	Sample 1	23.31	25.00	1.476	62.9	1.006	-0.12	0.583	0.866
	LTE Band 41C	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	41490+41292	2680+2660.2	Battery 1	Sample 1	23.35	25.00	1.462	62.9	1.006	-0.11	0.442	0.650
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	41055	2636.5	Battery 1	Sample 2	23.50	25.00	1.413	62.9	1.006	-0.19	0.575	0.817
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	41055	2636.5	Battery 1	Sample 3	23.50	25.00	1.413	62.9	1.006	0.14	0.593	0.843
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	41055	2636.5	Battery 1	Sample 4	23.50	25.00	1.413	62.9	1.006	-0.15	0.603	0.857
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	41055	2636.5	Battery 2	Sample 1	23.50	25.00	1.413	62.9	1.006	0.11	0.582	0.827
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2_WiFi ON	41055	2636.5	Battery 1	Sample 1	23.50	24.00	1.122	62.9	1.006	0.04	0.613	0.692
	LTE Band 41	20M	QPSK	1	0	Left Cheek	0mm	Ant 1	DSI 2_WiFi ON	41490	2680	Battery 1	Sample 1	23.50	24.00	1.122	62.9	1.006	-0.10	0.340	0.384
15	LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 9	DSI 2	42190	3460	Battery 1	Sample 1	22.39	23.30	1.233	62.9	1.006	0.01	0.956	1.186
	LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 9	DSI 2	42590	3500	Battery 1	Sample 1	22.16	23.30	1.3	62.9	1.006	0.17	0.901	1.178
	LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 9	DSI 2	42990	3540	Battery 1	Sample 1	22.24	23.30	1.276	62.9	1.006	0.13	0.681	0.874
	LTE Band 42	20M	QPSK	50	0	Right Cheek	0mm	Ant 9	DSI 2	42190	3460	Battery 1	Sample 1	21.51	22.30	1.199	62.9	1.006	0.02	0.804	0.970
	LTE Band 42	20M	QPSK	50	0	Right Cheek	0mm	Ant 9	DSI 2	42590	3500	Battery 1	Sample 1	21.26	22.30	1.271	62.9	1.006	-0.04	0.743	0.950
	LTE Band 42	20M	QPSK	50	0	Right Cheek	0mm	Ant 9	DSI 2	42990	3540	Battery 1	Sample 1	21.33	22.30	1.25	62.9	1.006	0.06	0.555	0.698
	LTE Band 42	20M	QPSK	100	0	Right Cheek	0mm	Ant 9	DSI 2	42190	3460	Battery 1	Sample 1	21.48	22.30	1.208	62.9	1.006	-0.03	0.798	0.970
	LTE Band 42	20M	QPSK	1	0	Right Tilted	0mm	Ant 9	DSI 2	42190	3460	Battery 1	Sample 1	22.39	23.30	1.233	62.9	1.006	0.06	0.496	0.615
	LTE Band 42	20M	QPSK	50	0	Right Tilted	0mm	Ant 9	DSI 2	42190	3460	Battery 1	Sample 1	21.51	22.30	1.199	62.9	1.006	0.13	0.458	0.552
	LTE Band 42	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	42190	3460	Battery 1	Sample 1	22.39	23.30	1.233	62.9	1.006	-0.15	0.537	0.666
	LTE Band 42	20M	QPSK	50	0	Left Cheek	0mm	Ant 9	DSI 2	42190	3460	Battery 1	Sample 1	21.51	22.30	1.199	62.9	1.006	-0.09	0.441	0.532
	LTE Band 42	20M	QPSK	1	0	Left Tilted	0mm	Ant 9	DSI 2	42190	3460	Battery 1	Sample 1	22.39	23.30	1.233	62.9	1.006	-0.08	0.208	0.258
	LTE Band 42	20M	QPSK	50	0	Left Tilted	0mm	Ant 9	DSI 2	42190	3460	Battery 1	Sample 1	21.51	22.30	1.199	62.9	1.006	0.13	0.171	0.206
	LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 9	DSI 2	42190	3460	Battery 1	Sample 2	22.39	23.30	1.233	62.9	1.006	-0.08	0.741	0.919
	LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 9	DSI 2	42190	3460	Battery 1	Sample 3	22.39	23.30	1.233	62.9	1.006	-0.02	0.547	0.678
	LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 9	DSI 2	42190	3460	Battery 1	Sample 4	22.39	23.30	1.233	62.9	1.006	0.05	0.569	0.706
	LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 9	DSI 2	42190	3460	Battery 2	Sample 1	22.39	23.30	1.233	62.9	1.006	0.02	0.924	1.146
	LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 9	DSI 2_WiFi ON	42190	3460	Battery 1	Sample 1	19.94	20.50	1.138	62.9	1.006	0.09	0.589	0.674
	LTE Band 42	20M	QPSK	1	0	Right Tilted	0mm	Ant 9	DSI 2_WiFi ON	42190	3460	Battery 1	Sample 1	19.94	20.50	1.138	62.9	1.006	-0.10	0.306	0.350
	LTE Band 42	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2_WiFi ON	42190	3460	Battery 1	Sample 1	19.94	20.50	1.138	62.9	1.006	-0.10	0.331	0.379
	LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 9	DSI 2	43340	3575	Battery 1	Sample 1	21.92	23.30	1.374	62.9	1.006	0.06	0.469	0.648
	LTE Band 42	20M	QPSK	50	0	Right Cheek	0mm	Ant 9	DSI 2	43340	3575	Battery 1	Sample 1	21.02	22.30	1.343	62.9	1.006	-0.11	0.384	0.519
	LTE Band 42	20M	QPSK	1	0	Right Tilted	0mm	Ant 9	DSI 2	43340	3575	Battery 1	Sample 1	21.92	23.30	1.374	62.9	1.006	-0.11	0.253	0.350
	LTE Band 42	20M	QPSK	50	0	Right Tilted	0mm	Ant 9	DSI 2	43340	3575	Battery 1	Sample 1	21.02	22.30	1.343	62.9	1.006	-0.02	0.207	0.280
	LTE Band 42	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	43340	3575	Battery 1	Sample 1	21.92	23.30	1.374	62.9	1.006	0.01	0.196	0.271
	LTE Band 42	20M	QPSK	50	0	Left Cheek	0mm	Ant 9	DSI 2	43340	3575	Battery 1	Sample 1	21.02	22.30	1.343	62.9	1.006	-0.13	0.160	0.216
	LTE Band 42	20M	QPSK	1	0	Left Tilted	0mm	Ant 9	DSI 2	43340	3575	Battery 1	Sample 1	21.92	23.30	1.374	62.9	1.006	0.03	0.126	0.174
	LTE Band 42	20M	QPSK	50	0	Left Tilted	0mm	Ant 9	DSI 2	43340	3575	Battery 1	Sample 1	21.02	22.30	1.343	62.9	1.006	-0.10	0.103	0.139
	LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 9	DSI 2	43340	3575	Battery 1	Sample 2	21.92	23.30	1.374	62.9	1.006	-0.11	0.448	0.619
	LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 9	DSI 2	43340	3575	Battery 1	Sample 3	21.92	23.30	1.374	62.9	1.006	0.16	0.390	0.539
	LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 9	DSI 2	43340	3575	Battery 1	Sample 4	21.92	23.30	1.374	62.9	1.006	0.15	0.384	0.531
	LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 9	DSI 2	43340	3575	Battery 2	Sample 1	21.92	23.30	1.374	62.9	1.006	-0.10	0.422	0.583
	LTE Band 43	20M	QPSK	1	0	Right Cheek	0mm	Ant 9	DSI 2	44090	3650	Battery 1	Sample 1	23.37	25.00	1.455	62.9	1.006	0.05	0.343	0.502
	LTE Band 43	20M	QPSK	50	0	Right Cheek	0mm	Ant 9	DSI 2	44090	3650	Battery 1	Sample 1	23.18	24.00	1.208	62.9	1.006	0.08	0.330	0.401
	LTE Band 43	20M	QPSK	1	0	Right Tilted	0mm	Ant 9	DSI 2	44090	3650	Battery 1	Sample 1	23.37	25.00	1.455	62.9	1.006	0.11	0.154	0.225
	LTE Band 43	20M	QPSK	50	0	Right Tilted	0mm	Ant 9	DSI 2	44090	3650	Battery 1	Sample 1	23.18	24.00	1.208	62.9	1.006	-0.07	0.143	0.174
	LTE Band 43	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	44090	3650	Battery 1	Sample 1	23.37	25.00	1.455	62.9	1.006	-0.16	0.231	0.338
	LTE Band 43	20M	QPSK	50	0	Left Cheek	0mm	Ant 9	DSI 2	44090	3650	Battery 1	Sample 1	23.18	24.00	1.208	62.9	1.006	-0.11	0.242	0.294
	LTE Band 43	20M	QPSK	1	0	Left Tilted	0mm	Ant 9	DSI 2	44090	3650	Battery 1	Sample 1	23.37	25.00	1.455	62.9	1.006	0.04	0.099	0.145
	LTE Band 43																				



FCC SAR TEST REPORT

Report No. : FA5N2836B

	LTE Band 43	20M	QPSK	50	0	Right Tilted	0mm	Ant 9	DSI 2	45090	3750	Battery 1	Sample 1	22.25	24.00	1.496	62.9	1.006	-0.04	0.107	0.161
	LTE Band 43	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	45090	3750	Battery 1	Sample 1	23.19	25.00	1.517	62.9	1.006	-0.01	0.216	0.330
	LTE Band 43	20M	QPSK	50	0	Left Cheek	0mm	Ant 9	DSI 2	45090	3750	Battery 1	Sample 1	22.25	24.00	1.496	62.9	1.006	-0.10	0.208	0.313
	LTE Band 43	20M	QPSK	1	0	Left Tilted	0mm	Ant 9	DSI 2	45090	3750	Battery 1	Sample 1	23.19	25.00	1.517	62.9	1.006	0.05	0.139	0.212
	LTE Band 43	20M	QPSK	50	0	Left Tilted	0mm	Ant 9	DSI 2	45090	3750	Battery 1	Sample 1	22.25	24.00	1.496	62.9	1.006	0.02	0.107	0.161
	LTE Band 43	20M	QPSK	1	0	Right Cheek	0mm	Ant 9	DSI 2	45090	3750	Battery 1	Sample 2	23.19	25.00	1.517	62.9	1.006	0.19	0.325	0.496
	LTE Band 43	20M	QPSK	1	0	Right Cheek	0mm	Ant 9	DSI 2	45090	3750	Battery 1	Sample 3	23.19	25.00	1.517	62.9	1.006	0.03	0.240	0.366
	LTE Band 43	20M	QPSK	1	0	Right Cheek	0mm	Ant 9	DSI 2	45090	3750	Battery 1	Sample 4	23.19	25.00	1.517	62.9	1.006	-0.16	0.268	0.409
	LTE Band 43	20M	QPSK	1	0	Right Cheek	0mm	Ant 9	DSI 2	45090	3750	Battery 2	Sample 1	23.19	25.00	1.517	62.9	1.006	0.11	0.363	0.554

【FR1 SAR】

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Battery	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
17	FR1 n2	20M	BPSK	1	1	Right Cheek	0mm	Ant 2	DSI 2	376000	1880	Battery 1	Sample 1	21.13	21.50	1.089	-0.15	0.024	0.026
	FR1 n2	20M	BPSK	50	56	Right Cheek	0mm	Ant 2	DSI 2	376000	1880	Battery 1	Sample 1	21.03	21.50	1.114	-0.14	0.021	0.023
	FR1 n2	20M	BPSK	1	1	Right Tilted	0mm	Ant 2	DSI 2	376000	1880	Battery 1	Sample 1	21.13	21.50	1.089	0.00	0.011	0.012
	FR1 n2	20M	BPSK	50	56	Right Tilted	0mm	Ant 2	DSI 2	376000	1880	Battery 1	Sample 1	21.03	21.50	1.114	0.00	0.008	0.009
	FR1 n2	20M	BPSK	1	1	Left Cheek	0mm	Ant 2	DSI 2	376000	1880	Battery 1	Sample 1	21.13	21.50	1.089	0.00	0.014	0.015
	FR1 n2	20M	BPSK	50	56	Left Cheek	0mm	Ant 2	DSI 2	376000	1880	Battery 1	Sample 1	21.03	21.50	1.114	0.00	0.011	0.012
	FR1 n2	20M	BPSK	1	1	Left Tilted	0mm	Ant 2	DSI 2	376000	1880	Battery 1	Sample 1	21.13	21.50	1.089	0.00	0.001	0.001
	FR1 n2	20M	BPSK	50	56	Left Tilted	0mm	Ant 2	DSI 2	376000	1880	Battery 1	Sample 1	21.03	21.50	1.114	0.00	0.001	0.001
	FR1 n2	20M	BPSK	1	1	Right Cheek	0mm	Ant 2	DSI 2	376000	1880	Battery 1	Sample 2	21.13	21.50	1.089	-0.12	0.020	0.022
	FR1 n2	20M	BPSK	1	1	Right Cheek	0mm	Ant 2	DSI 2	376000	1880	Battery 1	Sample 3	21.13	21.50	1.089	-0.10	0.015	0.016
	FR1 n2	20M	BPSK	1	1	Right Cheek	0mm	Ant 2	DSI 2	376000	1880	Battery 1	Sample 4	21.13	21.50	1.089	-0.01	0.018	0.020
	FR1 n2	20M	BPSK	1	1	Right Cheek	0mm	Ant 2	DSI 2	376000	1880	Battery 2	Sample 1	21.13	21.50	1.089	-0.13	0.022	0.024
	FR1 n7	40M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	507000	2535	Battery 1	Sample 1	23.85	25.00	1.303	-0.18	0.527	0.687
	FR1 n7	40M	BPSK	108	54	Right Cheek	0mm	Ant 1	DSI 2	507000	2535	Battery 1	Sample 1	23.71	25.00	1.346	0.18	0.501	0.674
	FR1 n7	40M	BPSK	1	1	Right Tilted	0mm	Ant 1	DSI 2	507000	2535	Battery 1	Sample 1	23.85	25.00	1.303	-0.13	0.114	0.149
	FR1 n7	40M	BPSK	108	54	Right Tilted	0mm	Ant 1	DSI 2	507000	2535	Battery 1	Sample 1	23.71	25.00	1.346	0.17	0.107	0.144
18	FR1 n7	40M	BPSK	1	1	Left Cheek	0mm	Ant 1	DSI 2	507000	2535	Battery 1	Sample 1	23.85	25.00	1.303	-0.03	0.673	0.877
	FR1 n7	40M	BPSK	108	54	Left Cheek	0mm	Ant 1	DSI 2	507000	2535	Battery 1	Sample 1	23.71	25.00	1.346	-0.03	0.571	0.769
	FR1 n7	40M	BPSK	216	0	Left Cheek	0mm	Ant 1	DSI 2	507000	2535	Battery 1	Sample 1	23.30	24.50	1.318	0.04	0.569	0.750
	FR1 n7	40M	BPSK	1	1	Left Tilted	0mm	Ant 1	DSI 2	507000	2535	Battery 1	Sample 1	23.85	25.00	1.303	-0.16	0.086	0.112
	FR1 n7	40M	BPSK	108	54	Left Tilted	0mm	Ant 1	DSI 2	507000	2535	Battery 1	Sample 1	23.71	25.00	1.346	-0.05	0.084	0.113
	FR1 n7	40M	BPSK	1	1	Left Cheek	0mm	Ant 1	DSI 2	507000	2535	Battery 1	Sample 2	23.85	25.00	1.303	-0.15	0.496	0.646
	FR1 n7	40M	BPSK	1	1	Left Cheek	0mm	Ant 1	DSI 2	507000	2535	Battery 1	Sample 3	23.85	25.00	1.303	0.11	0.565	0.736
	FR1 n7	40M	BPSK	1	1	Left Cheek	0mm	Ant 1	DSI 2	507000	2535	Battery 1	Sample 4	23.85	25.00	1.303	0.15	0.584	0.761
	FR1 n7	40M	BPSK	1	1	Left Cheek	0mm	Ant 1	DSI 2	507000	2535	Battery 2	Sample 1	23.85	25.00	1.303	-0.13	0.601	0.783
	FR1 n7	40M	BPSK	1	1	Left Cheek	0mm	Ant 1	DSI 2_WiFi ON	507000	2535	Battery 1	Sample 1	20.55	20.70	1.035	-0.14	0.366	0.379
19	FR1 n12	15M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	141500	707.5	Battery 1	Sample 1	23.81	25.00	1.315	-0.03	0.514	0.676
	FR1 n12	15M	BPSK	36	22	Right Cheek	0mm	Ant 8	DSI 2	141500	707.5	Battery 1	Sample 1	23.71	25.00	1.346	-0.11	0.407	0.548
	FR1 n12	15M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2	141500	707.5	Battery 1	Sample 1	23.81	25.00	1.315	0.01	0.238	0.313
	FR1 n12	15M	BPSK	36	22	Right Tilted	0mm	Ant 8	DSI 2	141500	707.5	Battery 1	Sample 1	23.71	25.00	1.346	-0.16	0.229	0.308
	FR1 n12	15M	BPSK	1	1	Left Cheek	0mm	Ant 8	DSI 2	141500	707.5	Battery 1	Sample 1	23.81	25.00	1.315	-0.05	0.187	0.246
	FR1 n12	15M	BPSK	36	22	Left Cheek	0mm	Ant 8	DSI 2	141500	707.5	Battery 1	Sample 1	23.71	25.00	1.346	0.08	0.182	0.245
	FR1 n12	15M	BPSK	1	1	Left Tilted	0mm	Ant 8	DSI 2	141500	707.5	Battery 1	Sample 1	23.81	25.00	1.315	-0.09	0.112	0.147
	FR1 n12	15M	BPSK	36	22	Left Tilted	0mm	Ant 8	DSI 2	141500	707.5	Battery 1	Sample 1	23.71	25.00	1.346	0.17	0.105	0.141
	FR1 n12	15M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	141500	707.5	Battery 1	Sample 2	23.81	25.00	1.315	-0.10	0.464	0.610
	FR1 n12	15M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	141500	707.5	Battery 1	Sample 3	23.81	25.00	1.315	-0.18	0.431	0.567
	FR1 n12	15M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	141500	707.5	Battery 1	Sample 4	23.81	25.00	1.315	0.05	0.487	0.640
	FR1 n12	15M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	141500	707.5	Battery 2	Sample 1	23.81	25.00	1.315	-0.11	0.496	0.652
20	FR1 n25	30M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	376500	1882.5	Battery 1	Sample 1	23.72	25.00	1.343	-0.04	0.445	0.598
	FR1 n25	30M	BPSK	80	40	Right Cheek	0mm	Ant 8	DSI 2	376500	1882.5	Battery 1	Sample 1	23.60	25.00	1.38	0.07	0.317	0.437
	FR1 n25	30M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2	376500	1882.5	Battery 1	Sample 1	23.72	25.00	1.343	-0.02	0.281	0.377
	FR1 n25	30M	BPSK	80	40	Right Tilted	0mm	Ant 8	DSI 2	376500	1882.5	Battery 1	Sample 1	23.60	25.00	1.38	0.06	0.248	0.342
	FR1 n25	30M	BPSK	1	1	Left Cheek	0mm	Ant 8	DSI 2	376500	1882.5	Battery 1	Sample 1	23.72	25.00	1.343	-0.05	0.218	0.293
	FR1 n25	30M	BPSK	80	40	Left Cheek	0mm	Ant 8	DSI 2	376500	1882.5	Battery 1	Sample 1	23.60	25.00	1.38	0.05	0.202	0.279
	FR1 n25	30M	BPSK	1	1	Left Tilted	0mm	Ant 8	DSI 2	376500	1882.5	Battery 1	Sample 1	23.72	25.00	1.343	-0.12	0.285	0.383
	FR1 n25	30M	BPSK	80	40	Left Tilted	0mm	Ant 8	DSI 2	376500	1882.5	Battery 1	Sample 1	23.60	25.00	1.38	0.09	0.255	0.352
	FR1 n25	30M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	376500	1882.5	Battery 1	Sample 2	23.72	25.00	1.343	0.09	0.322	0.432
	FR1 n25	30M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	376500	1882.5	Battery 1	Sample 3	23.72	25.00	1.343	-0.04	0.342	0.459
	FR1 n25	30M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	376500	1882.5	Battery 1	Sample 4	23.72	25.00	1.343	0.14	0.376	0.505
	FR1 n25	30M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	376500	1882.5	Battery 2	Sample 1	23.72	25.00	1.343	0.12	0.353	0.474
21	FR1 n26	20M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	166300	831.5	Battery 1	Sample 1	23.90	25.00	1.288	-0.00	0.779	1.003
	FR1 n26	20M	BPSK	50	28	Right Cheek	0mm	Ant 8	DSI 2	166300	831.5	Battery 1	Sample 1	23.89	25.00	1.291	0.16	0.632	0.816
	FR1 n26	20M	BPSK	100	0	Right Cheek	0mm	Ant 8	DSI 2	166300	831.5	Battery 1	Sample 1	23.00	24.50	1.413	-0.14	0.549	0.776
	FR1 n26	20M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2	166300	831.5	Battery 1	Sample 1	23.90	25.00	1.288	-0.12	0.451	0.581
	FR1 n26	20M	BPSK	50	28	Right Tilted	0mm	Ant 8	DSI 2	166300	831.5	Battery 1	Sample 1	23.89	25.00	1.291	0.16	0.441	0.569
	FR1 n26	20M	BPSK	1	1	Left Cheek	0mm	Ant 8	DSI 2	166300	831.5	Battery 1	Sample 1	23.90	25.00	1.288	0.11	0.350	0.451
	FR1 n26	20M	BPSK	50	28	Left Cheek	0mm	Ant 8	DSI 2	166300	831.5	Battery 1	Sample 1	23.89	25.00	1.291	0.04	0.344	0.444



FCC SAR TEST REPORT

Report No. : FA5N2836B

	FR1 n26	20M	BPSK	1	1	Left Tilted	0mm	Ant 8	DSI 2	166300	831.5	Battery 1	Sample 1	23.90	25.00	1.288	0.09	0.278	0.358
	FR1 n26	20M	BPSK	50	28	Left Tilted	0mm	Ant 8	DSI 2	166300	831.5	Battery 1	Sample 1	23.89	25.00	1.291	0.03	0.249	0.321
	FR1 n26	20M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	166300	831.5	Battery 1	Sample 2	23.90	25.00	1.288	0.09	0.703	0.905
	FR1 n26	20M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	166300	831.5	Battery 1	Sample 3	23.90	25.00	1.288	0.04	0.689	0.887
	FR1 n26	20M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	166300	831.5	Battery 1	Sample 4	23.90	25.00	1.288	0.15	0.730	0.940
	FR1 n26	20M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	166300	831.5	Battery 2	Sample 1	23.90	25.00	1.288	0.07	0.775	0.998
	FR1 n26	20M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2_WiFi ON	166300	831.5	Battery 1	Sample 1	22.86	22.90	1.009	-0.06	0.713	0.719
	FR1 n26	20M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2_WiFi ON	166300	831.5	Battery 1	Sample 1	22.86	22.90	1.009	0.10	0.440	0.444
	FR1 n26	20M	BPSK	1	1	Left Cheek	0mm	Ant 8	DSI 2_WiFi ON	166300	831.5	Battery 1	Sample 1	22.86	22.90	1.009	0.03	0.341	0.344
22	FR1 n66	40M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	349000	1745	Battery 1	Sample 1	23.69	25.00	1.352	0.02	0.570	0.771
	FR1 n66	40M	BPSK	108	54	Right Cheek	0mm	Ant 8	DSI 2	349000	1745	Battery 1	Sample 1	23.53	25.00	1.403	0.01	0.443	0.622
	FR1 n66	40M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2	349000	1745	Battery 1	Sample 1	23.69	25.00	1.352	-0.05	0.259	0.350
	FR1 n66	40M	BPSK	108	54	Right Tilted	0mm	Ant 8	DSI 2	349000	1745	Battery 1	Sample 1	23.53	25.00	1.403	-0.05	0.227	0.318
	FR1 n66	40M	BPSK	1	1	Left Cheek	0mm	Ant 8	DSI 2	349000	1745	Battery 1	Sample 1	23.69	25.00	1.352	0.05	0.255	0.345
	FR1 n66	40M	BPSK	108	54	Left Cheek	0mm	Ant 8	DSI 2	349000	1745	Battery 1	Sample 1	23.53	25.00	1.403	0.02	0.242	0.340
	FR1 n66	40M	BPSK	1	1	Left Tilted	0mm	Ant 8	DSI 2	349000	1745	Battery 1	Sample 1	23.69	25.00	1.352	0.17	0.245	0.331
	FR1 n66	40M	BPSK	108	54	Left Tilted	0mm	Ant 8	DSI 2	349000	1745	Battery 1	Sample 1	23.53	25.00	1.403	0.14	0.222	0.311
	FR1 n66	40M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	349000	1745	Battery 1	Sample 2	23.69	25.00	1.352	-0.10	0.500	0.676
	FR1 n66	40M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	349000	1745	Battery 1	Sample 3	23.69	25.00	1.352	0.03	0.466	0.630
	FR1 n66	40M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	349000	1745	Battery 1	Sample 4	23.69	25.00	1.352	0.10	0.557	0.753
	FR1 n66	40M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	349000	1745	Battery 2	Sample 1	23.69	25.00	1.352	0.02	0.496	0.671
	FR1 n66	40M	BPSK	1	1	Right Cheek	0mm	Ant 2	DSI 2	349000	1745	Battery 1	Sample 1	21.41	21.50	1.021	0.01	0.114	0.116
	FR1 n66	40M	BPSK	108	54	Right Cheek	0mm	Ant 2	DSI 2	349000	1745	Battery 1	Sample 1	21.28	21.50	1.052	0.17	0.071	0.075
	FR1 n66	40M	BPSK	1	1	Right Tilted	0mm	Ant 2	DSI 2	349000	1745	Battery 1	Sample 1	21.41	21.50	1.021	0.00	0.001	0.001
	FR1 n66	40M	BPSK	108	54	Right Tilted	0mm	Ant 2	DSI 2	349000	1745	Battery 1	Sample 1	21.28	21.50	1.052	0.00	0.001	0.001
	FR1 n66	40M	BPSK	1	1	Left Cheek	0mm	Ant 2	DSI 2	349000	1745	Battery 1	Sample 1	21.41	21.50	1.021	0.00	0.001	0.001
	FR1 n66	40M	BPSK	108	54	Left Cheek	0mm	Ant 2	DSI 2	349000	1745	Battery 1	Sample 1	21.28	21.50	1.052	0.00	0.001	0.001
	FR1 n66	40M	BPSK	1	1	Left Tilted	0mm	Ant 2	DSI 2	349000	1745	Battery 1	Sample 1	21.41	21.50	1.021	0.00	0.001	0.001
	FR1 n66	40M	BPSK	108	54	Left Tilted	0mm	Ant 2	DSI 2	349000	1745	Battery 1	Sample 1	21.28	21.50	1.052	0.00	0.001	0.001
	FR1 n66	40M	BPSK	1	1	Right Cheek	0mm	Ant 2	DSI 2	349000	1745	Battery 1	Sample 2	21.41	21.50	1.021	0.13	0.113	0.115
	FR1 n66	40M	BPSK	1	1	Right Cheek	0mm	Ant 2	DSI 2	349000	1745	Battery 1	Sample 3	21.41	21.50	1.021	0.04	0.061	0.062
	FR1 n66	40M	BPSK	1	1	Right Cheek	0mm	Ant 2	DSI 2	349000	1745	Battery 1	Sample 4	21.41	21.50	1.021	0.00	0.001	0.001
	FR1 n66	40M	BPSK	1	1	Right Cheek	0mm	Ant 2	DSI 2	349000	1745	Battery 2	Sample 1	21.41	21.50	1.021	0.04	0.076	0.078
23	FR1 n71	20M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	136100	680.5	Battery 1	Sample 1	23.82	25.00	1.312	0.00	0.366	0.480
	FR1 n71	20M	BPSK	50	28	Right Cheek	0mm	Ant 8	DSI 2	136100	680.5	Battery 1	Sample 1	23.76	25.00	1.33	0.05	0.263	0.350
	FR1 n71	20M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2	136100	680.5	Battery 1	Sample 1	23.82	25.00	1.312	0.16	0.158	0.207
	FR1 n71	20M	BPSK	50	28	Right Tilted	0mm	Ant 8	DSI 2	136100	680.5	Battery 1	Sample 1	23.76	25.00	1.33	-0.09	0.145	0.193
	FR1 n71	20M	BPSK	1	1	Left Cheek	0mm	Ant 8	DSI 2	136100	680.5	Battery 1	Sample 1	23.82	25.00	1.312	0.01	0.126	0.165
	FR1 n71	20M	BPSK	50	28	Left Cheek	0mm	Ant 8	DSI 2	136100	680.5	Battery 1	Sample 1	23.76	25.00	1.33	-0.18	0.117	0.156
	FR1 n71	20M	BPSK	1	1	Left Tilted	0mm	Ant 8	DSI 2	136100	680.5	Battery 1	Sample 1	23.82	25.00	1.312	-0.18	0.079	0.104
	FR1 n71	20M	BPSK	50	28	Left Tilted	0mm	Ant 8	DSI 2	136100	680.5	Battery 1	Sample 1	23.76	25.00	1.33	0.06	0.069	0.092
	FR1 n71	20M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	136100	680.5	Battery 1	Sample 2	23.82	25.00	1.312	0.15	0.325	0.426
	FR1 n71	20M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	136100	680.5	Battery 1	Sample 3	23.82	25.00	1.312	0.11	0.279	0.366
	FR1 n71	20M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	136100	680.5	Battery 1	Sample 4	23.82	25.00	1.312	0.11	0.336	0.441
	FR1 n71	20M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	136100	680.5	Battery 2	Sample 1	23.82	25.00	1.312	-0.03	0.347	0.455
	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	518598	2592.99	Battery 1	Sample 1	23.58	23.80	1.052	-0.00	1.030	1.084
	FR1 n41	100M	BPSK	135	69	Right Cheek	0mm	Ant 1	DSI 2	518598	2592.99	Battery 1	Sample 1	23.53	23.80	1.064	-0.04	0.982	1.045
	FR1 n41	100M	BPSK	270	0	Right Cheek	0mm	Ant 1	DSI 2	518598	2592.99	Battery 1	Sample 1	23.48	23.80	1.076	-0.14	0.956	1.029
	FR1 n41	100M	BPSK	1	1	Right Tilted	0mm	Ant 1	DSI 2	518598	2592.99	Battery 1	Sample 1	23.58	23.80	1.052	-0.19	0.117	0.123
	FR1 n41	100M	BPSK	135	69	Right Tilted	0mm	Ant 1	DSI 2	518598	2592.99	Battery 1	Sample 1	23.53	23.80	1.064	0.12	0.103	0.110
	FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 1	DSI 2	518598	2592.99	Battery 1	Sample 1	23.58	23.80	1.052	0.01	0.667	0.702
	FR1 n41	100M	BPSK	135	69	Left Cheek	0mm	Ant 1	DSI 2	518598	2592.99	Battery 1	Sample 1	23.53	23.80	1.064	0.16	0.618	0.658
	FR1 n41	100M	BPSK	1	1	Left Tilted	0mm	Ant 1	DSI 2	518598	2592.99	Battery 1	Sample 1	23.58	23.80	1.052	-0.07	0.087	0.092
	FR1 n41	100M	BPSK	135	69	Left Tilted	0mm	Ant 1	DSI 2	518598	2592.99	Battery 1	Sample 1	23.53	23.80	1.064	0.05	0.080	0.085
24	FR1 n41_HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	518598	2592.99	Battery 1	Sample 1	26.63	26.80	1.04	-0.10	1.130	1.175
	FR1 n41_HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	518598	2592.99	Battery 1	Sample 2	26.63	26.80	1.04	-0.08	0.880	0.915
	FR1 n41_HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	518598	2592.99	Battery 1	Sample 3	26.63	26.80	1.04	-0.03	0.793	0.825
	FR1 n41_HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	518598	2592.99	Battery 1	Sample 4	26.63	26.80	1.04	0.07	1.060	1.102
	FR1 n41_HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	518598	2592.99	Battery 2	Sample 1	26.63	26.80	1.04	0.06	1.040	1.082
	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2_WiFi ON	518598	2592.99	Battery 1	Sample 1	20.60	20.70	1.023	-0.01	0.592	0.606
	FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 1	DSI 2_WiFi ON	518598	2592.99	Battery 1	Sample 1	20.60	20.70	1.023	0.03	0.381	0.390
	FR1 n41_HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2_WiFi ON	518598	2592.99	Battery 1	Sample 1	23.70	23.70	1.0	-0.04	0.675	0.675
	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	518598	2592.99	Battery 1	Sample 1	22.78	24.50	1.486	0.16	0.050	0.074
	FR1 n41	100M	BPSK	135	69	Right Cheek	0mm	Ant 3	DSI 2	518598	2592.99	Battery 1	Sample 1	22.66	24.50	1.528	-0.15	0.020	0.031
	FR1 n41	100M	BPSK	1	1	Right Tilted	0mm	Ant 3	DSI 2	518598	2592.99	Battery 1	Sample 1	22.78	24.50	1.486	-0.10	0.012	0.018
	FR1 n41	100M	BPSK	135	69	Right Tilted	0mm	Ant 3	DSI 2	518598	2592.99	Battery 1	Sample 1	22.66	24.50	1.528	-0.05	0.009	0.014
	FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 3	DSI 2	518598	2592.99	Battery 1	Sample 1	22.78	24.50	1.486	0.06	0.017	0.025
	FR1 n41	100M	BPSK	135	69	Left Cheek	0mm	Ant 3	DSI 2	518598	2592.99	Battery 1	Sample 1	22.66	24.50	1.528	-0.14	0.014	0.021
	FR1 n41	100M	BPSK	1	1	Left Tilted	0mm	Ant 3	DSI 2	518598	2592.99	Battery 1	Sample 1	22.78	24.50	1.486	0.02	0.013	0.019
	FR1 n41	100M	BPSK	135	69	Left Tilted	0mm	Ant 3	DSI 2	518598	2592.99	Battery 1	Sample 1	22.66	24.50	1.			



FCC SAR TEST REPORT

Report No. : FA5N2836B

FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	518598	2592.99	Battery 1	Sample 2	22.78	24.50	1.486	-0.15	0.024	0.036
FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	518598	2592.99	Battery 2	Sample 1	22.78	24.50	1.486	0.03	0.040	0.059
FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 4	DSI 2	518598	2592.99	Battery 1	Sample 1	22.00	23.50	1.413	0.18	0.010	0.014
FR1 n41	100M	BPSK	135	69	Right Cheek	0mm	Ant 4	DSI 2	518598	2592.99	Battery 1	Sample 1	21.93	23.50	1.435	-0.08	0.006	0.009
FR1 n41	100M	BPSK	1	1	Right Tilted	0mm	Ant 4	DSI 2	518598	2592.99	Battery 1	Sample 1	22.00	23.50	1.413	0.16	0.004	0.006
FR1 n41	100M	BPSK	135	69	Right Tilted	0mm	Ant 4	DSI 2	518598	2592.99	Battery 1	Sample 1	21.93	23.50	1.435	-0.10	0.001	0.001
FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	518598	2592.99	Battery 1	Sample 1	22.00	23.50	1.413	0.08	0.062	0.088
FR1 n41	100M	BPSK	135	69	Left Cheek	0mm	Ant 4	DSI 2	518598	2592.99	Battery 1	Sample 1	21.93	23.50	1.435	-0.07	0.009	0.013
FR1 n41	100M	BPSK	1	1	Left Tilted	0mm	Ant 4	DSI 2	518598	2592.99	Battery 1	Sample 1	22.00	23.50	1.413	0.09	0.005	0.007
FR1 n41	100M	BPSK	135	69	Left Tilted	0mm	Ant 4	DSI 2	518598	2592.99	Battery 1	Sample 1	21.93	23.50	1.435	0.19	0.003	0.004
FR1 n41_HPUE	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	518598	2592.99	Battery 1	Sample 1	24.04	25.00	1.247	0.11	0.047	0.059
FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	518598	2592.99	Battery 1	Sample 2	22.00	23.50	1.413	-0.14	0.061	0.086
FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	518598	2592.99	Battery 1	Sample 2	22.00	23.50	1.413	-0.13	0.014	0.020
FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	518598	2592.99	Battery 1	Sample 2	22.00	23.50	1.413	0.14	0.012	0.017
FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	518598	2592.99	Battery 2	Sample 1	22.00	23.50	1.413	-0.02	0.055	0.078
FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	518598	2592.99	Battery 1	Sample 1	21.39	22.50	1.291	0.08	0.022	0.028
FR1 n41	100M	BPSK	135	69	Right Cheek	0mm	Ant 5	DSI 2	518598	2592.99	Battery 1	Sample 1	21.28	22.50	1.324	0.18	0.017	0.023
FR1 n41	100M	BPSK	1	1	Right Tilted	0mm	Ant 5	DSI 2	518598	2592.99	Battery 1	Sample 1	21.39	22.50	1.291	-0.12	0.011	0.014
FR1 n41	100M	BPSK	135	69	Right Tilted	0mm	Ant 5	DSI 2	518598	2592.99	Battery 1	Sample 1	21.28	22.50	1.324	-0.18	0.008	0.011
FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 5	DSI 2	518598	2592.99	Battery 1	Sample 1	21.39	22.50	1.291	0.16	0.072	0.093
FR1 n41	100M	BPSK	135	69	Left Cheek	0mm	Ant 5	DSI 2	518598	2592.99	Battery 1	Sample 1	21.28	22.50	1.324	-0.15	0.059	0.078
FR1 n41	100M	BPSK	1	1	Left Tilted	0mm	Ant 5	DSI 2	518598	2592.99	Battery 1	Sample 1	21.39	22.50	1.291	-0.08	0.032	0.041
FR1 n41	100M	BPSK	135	69	Left Tilted	0mm	Ant 5	DSI 2	518598	2592.99	Battery 1	Sample 1	21.28	22.50	1.324	-0.01	0.026	0.034
FR1 n41_HPUE	100M	BPSK	1	1	Left Cheek	0mm	Ant 5	DSI 2	518598	2592.99	Battery 1	Sample 1	23.40	24.90	1.413	0.10	0.055	0.078
FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 5	DSI 2	518598	2592.99	Battery 1	Sample 2	21.39	22.50	1.291	0.12	0.025	0.032
FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 5	DSI 2	518598	2592.99	Battery 1	Sample 2	21.39	22.50	1.291	0.10	0.066	0.085
FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 5	DSI 2	518598	2592.99	Battery 1	Sample 2	21.39	22.50	1.291	-0.11	0.055	0.071
FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 5	DSI 2	518598	2592.99	Battery 2	Sample 1	21.39	22.50	1.291	-0.18	0.057	0.074
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 1	21.26	22.00	1.186	0.03	0.983	1.166
FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 1	21.14	22.00	1.219	0.11	0.757	0.923
FR1 n77	100M	BPSK	270	0	Right Cheek	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 1	21.10	22.00	1.23	0.11	0.732	0.900
FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 1	21.26	22.00	1.186	-0.01	0.425	0.504
FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 1	21.14	22.00	1.219	-0.12	0.397	0.484
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 1	21.26	22.00	1.186	-0.01	0.464	0.550
FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 1	21.14	22.00	1.219	-0.07	0.398	0.485
FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 1	21.26	22.00	1.186	0.02	0.180	0.213
FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 1	21.14	22.00	1.219	0.03	0.175	0.213
FR1 n77_HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 1	24.26	25.00	1.186	-0.06	0.747	0.886
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 2	21.26	22.00	1.186	-0.01	0.764	0.906
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 3	21.26	22.00	1.186	-0.04	0.431	0.511
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 4	21.26	22.00	1.186	0.04	0.362	0.429
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 9	DSI 2	633332	3499.98	Battery 2	Sample 1	21.26	22.00	1.186	-0.09	0.797	0.945
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 9	DSI 2_WiFi ON	633332	3499.98	Battery 1	Sample 1	19.82	20.20	1.091	0.08	0.693	0.756
FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 9	DSI 2_WiFi ON	633332	3499.98	Battery 1	Sample 1	19.82	20.20	1.091	0.01	0.304	0.332
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2_WiFi ON	633332	3499.98	Battery 1	Sample 1	19.82	20.20	1.091	0.03	0.332	0.362
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 1	17.39	17.90	1.125	0.08	0.730	0.821
FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 1	17.25	17.90	1.161	0.11	0.679	0.788
FR1 n77	100M	BPSK	270	0	Right Cheek	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 1	17.17	17.90	1.183	-0.01	0.662	0.783
FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 1	17.39	17.90	1.125	0.03	0.365	0.411
FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 1	17.25	17.90	1.161	0.01	0.342	0.397
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 1	17.39	17.90	1.125	0.12	0.244	0.274
FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 1	17.25	17.90	1.161	-0.05	0.228	0.265
FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 1	17.39	17.90	1.125	-0.12	0.186	0.209
FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 1	17.25	17.90	1.161	-0.15	0.176	0.204
FR1 n77_HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 1	20.35	20.90	1.135	0.01	0.684	0.776
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 2	17.39	17.90	1.125	-0.01	0.725	0.816
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 3	17.39	17.90	1.125	-0.18	0.693	0.780
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 4	17.39	17.90	1.125	-0.06	0.614	0.691
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	633332	3499.98	Battery 2	Sample 1	17.39	17.90	1.125	-0.06	0.723	0.813
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2_WiFi ON	633332	3499.98	Battery 1	Sample 1	17.20	17.50	1.072	-0.08	0.542	0.581
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	633332	3499.98	Battery 1	Sample 1	24.00	25.50	1.413	-0.06	0.205	0.290
FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 3	DSI 2	633332	3499.98	Battery 1	Sample 1	23.69	25.50	1.517	-0.09	0.079	0.120
FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 3	DSI 2	633332	3499.98	Battery 1	Sample 1	24.00	25.50	1.413	0.01	0.025	0.035
FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 3	DSI 2	633332	3499.98	Battery 1	Sample 1	23.69	25.50	1.517	-0.14	0.021	0.032
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 3	DSI 2	633332	3499.98	Battery 1	Sample 1	24.00	25.50	1.413	-0.08	0.043	0.061
FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 3	DSI 2	633332	3499.98	Battery 1	Sample 1	23.69	25.50	1.517	0.03	0.038	0.058
FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 3	DSI 2	633332	3499.98	Battery 1	Sample 1	24.00	25.50	1.413	-0.16	0.039	0.055
FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 3	DSI 2	633332	3499.98	Battery 1	Sample 1	23.69	25.50	1.517	-0.13	0.032	0.049
FR1 n77_HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	633332	3499.98	Battery 1	Sample 1	26.98	27.50	1.127	-0.11	0.200	0.225
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	633332	3499.98	Battery 1	Sample 2	24.00	25.50	1.413	0.09	0.090	0.127
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	633332	3499.98								



FCC SAR TEST REPORT

Report No. : FA5N2836B

FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 4	DSI 2	633332	3499.98	Battery 1	Sample 1	23.78	24.50	1.18	0.04	0.167	0.197
FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 4	DSI 2	633332	3499.98	Battery 1	Sample 1	23.38	24.50	1.294	0.16	0.150	0.194
FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 4	DSI 2	633332	3499.98	Battery 1	Sample 1	23.78	24.50	1.18	0.04	0.085	0.100
FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 4	DSI 2	633332	3499.98	Battery 1	Sample 1	23.38	24.50	1.294	0.07	0.074	0.096
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	633332	3499.98	Battery 1	Sample 1	23.78	24.50	1.18	-0.06	0.243	0.287
FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 4	DSI 2	633332	3499.98	Battery 1	Sample 1	23.38	24.50	1.294	-0.08	0.167	0.216
FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 4	DSI 2	633332	3499.98	Battery 1	Sample 1	23.78	24.50	1.18	0.09	0.077	0.091
FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 4	DSI 2	633332	3499.98	Battery 1	Sample 1	23.38	24.50	1.294	0.07	0.066	0.085
FR1 n77_HPUE	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	633332	3499.98	Battery 1	Sample 1	25.86	27.00	1.3	-0.05	0.183	0.238
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	633332	3499.98	Battery 1	Sample 2	23.78	24.50	1.18	0.15	0.221	0.261
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	633332	3499.98	Battery 1	Sample 3	23.78	24.50	1.18	-0.14	0.195	0.230
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	633332	3499.98	Battery 1	Sample 4	23.78	24.50	1.18	-0.03	0.242	0.286
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	633332	3499.98	Battery 2	Sample 1	23.78	24.50	1.18	0.11	0.194	0.229
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 1	20.78	22.00	1.324	-0.00	0.522	0.691
FR1 n77/n78	100M	BPSK	135	69	Right Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 1	20.64	22.00	1.368	0.11	0.443	0.606
FR1 n77/n78	100M	BPSK	1	1	Right Tilted	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 1	20.78	22.00	1.324	0.13	0.284	0.376
FR1 n77/n78	100M	BPSK	135	69	Right Tilted	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 1	20.64	22.00	1.368	-0.17	0.262	0.358
FR1 n77/n78	100M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 1	20.78	22.00	1.324	-0.18	0.192	0.254
FR1 n77/n78	100M	BPSK	135	69	Left Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 1	20.64	22.00	1.368	-0.04	0.177	0.242
FR1 n77/n78	100M	BPSK	1	1	Left Tilted	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 1	20.78	22.00	1.324	0.05	0.135	0.179
FR1 n77/n78	100M	BPSK	135	69	Left Tilted	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 1	20.64	22.00	1.368	0.12	0.124	0.170
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 2	20.78	22.00	1.324	0.12	0.467	0.618
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 3	20.78	22.00	1.324	-0.06	0.427	0.565
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 4	20.78	22.00	1.324	0.17	0.418	0.553
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 2	Sample 1	20.78	22.00	1.324	-0.12	0.513	0.679
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 1	16.93	17.90	1.25	0.12	0.946	1.182
FR1 n77/n78	100M	BPSK	135	69	Right Cheek	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 1	16.83	17.90	1.279	0.10	0.744	0.952
FR1 n77/n78	100M	BPSK	270	0	Right Cheek	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 1	16.68	17.90	1.324	-0.00	0.721	0.955
FR1 n77/n78	100M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 1	16.93	17.90	1.25	-0.00	0.389	0.486
FR1 n77/n78	100M	BPSK	135	69	Right Tilted	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 1	16.83	17.90	1.279	0.01	0.377	0.482
FR1 n77/n78	100M	BPSK	1	1	Left Cheek	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 1	16.93	17.90	1.25	0.01	0.237	0.296
FR1 n77/n78	100M	BPSK	135	69	Left Cheek	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 1	16.83	17.90	1.279	-0.18	0.227	0.290
FR1 n77/n78	100M	BPSK	1	1	Left Tilted	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 1	16.93	17.90	1.25	0.17	0.180	0.225
FR1 n77/n78	100M	BPSK	135	69	Left Tilted	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 1	16.83	17.90	1.279	-0.14	0.173	0.221
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 2	16.93	17.90	1.25	-0.04	0.750	0.938
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 3	16.93	17.90	1.25	-0.06	0.760	0.950
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 4	16.93	17.90	1.25	-0.10	0.800	1.000
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	641666	3624.99	Battery 2	Sample 1	16.93	17.90	1.25	0.10	0.768	0.960
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2_WiFi ON	641666	3624.99	Battery 2	Sample 1	16.97	17.50	1.13	0.19	0.670	0.757
FR1 n77/n78	100M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2_WiFi ON	641666	3624.99	Battery 2	Sample 1	16.97	17.50	1.13	-0.12	0.297	0.336
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	641666	3624.99	Battery 1	Sample 1	22.10	22.50	1.096	-0.18	0.454	0.498
FR1 n77/n78	100M	BPSK	135	69	Right Cheek	0mm	Ant 3	DSI 2	641666	3624.99	Battery 1	Sample 1	21.94	22.50	1.138	-0.03	0.307	0.349
FR1 n77/n78	100M	BPSK	1	1	Right Tilted	0mm	Ant 3	DSI 2	641666	3624.99	Battery 1	Sample 1	22.10	22.50	1.096	0.10	0.107	0.117
FR1 n77/n78	100M	BPSK	135	69	Right Tilted	0mm	Ant 3	DSI 2	641666	3624.99	Battery 1	Sample 1	21.94	22.50	1.138	0.16	0.097	0.110
FR1 n77/n78	100M	BPSK	1	1	Left Cheek	0mm	Ant 3	DSI 2	641666	3624.99	Battery 1	Sample 1	22.10	22.50	1.096	-0.13	0.136	0.149
FR1 n77/n78	100M	BPSK	135	69	Left Cheek	0mm	Ant 3	DSI 2	641666	3624.99	Battery 1	Sample 1	21.94	22.50	1.138	-0.04	0.126	0.143
FR1 n77/n78	100M	BPSK	1	1	Left Tilted	0mm	Ant 3	DSI 2	641666	3624.99	Battery 1	Sample 1	22.10	22.50	1.096	-0.13	0.105	0.115
FR1 n77/n78	100M	BPSK	135	69	Left Tilted	0mm	Ant 3	DSI 2	641666	3624.99	Battery 1	Sample 1	21.94	22.50	1.138	-0.15	0.096	0.109
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	641666	3624.99	Battery 1	Sample 2	22.10	22.50	1.096	-0.15	0.461	0.505
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	641666	3624.99	Battery 1	Sample 3	22.10	22.50	1.096	0.07	0.327	0.358
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	641666	3624.99	Battery 1	Sample 4	22.10	22.50	1.096	0.17	0.346	0.379
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	641666	3624.99	Battery 2	Sample 1	22.10	22.50	1.096	-0.17	0.448	0.491
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 4	DSI 2	641666	3624.99	Battery 1	Sample 1	22.25	22.50	1.059	0.14	0.125	0.132
FR1 n77/n78	100M	BPSK	135	69	Right Cheek	0mm	Ant 4	DSI 2	641666	3624.99	Battery 1	Sample 1	22.23	22.50	1.064	-0.05	0.117	0.124
FR1 n77/n78	100M	BPSK	1	1	Right Tilted	0mm	Ant 4	DSI 2	641666	3624.99	Battery 1	Sample 1	22.25	22.50	1.059	-0.09	0.077	0.082
FR1 n77/n78	100M	BPSK	135	69	Right Tilted	0mm	Ant 4	DSI 2	641666	3624.99	Battery 1	Sample 1	22.23	22.50	1.064	0.09	0.072	0.077
FR1 n77/n78	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	641666	3624.99	Battery 1	Sample 1	22.25	22.50	1.059	-0.11	0.506	0.536
FR1 n77/n78	100M	BPSK	135	69	Left Cheek	0mm	Ant 4	DSI 2	641666	3624.99	Battery 1	Sample 1	22.23	22.50	1.064	-0.02	0.220	0.234
FR1 n77/n78	100M	BPSK	1	1	Left Tilted	0mm	Ant 4	DSI 2	641666	3624.99	Battery 1	Sample 1	22.25	22.50	1.059	0.15	0.071	0.075
FR1 n77/n78	100M	BPSK	135	69	Left Tilted	0mm	Ant 4	DSI 2	641666	3624.99	Battery 1	Sample 1	22.23	22.50	1.064	-0.16	0.061	0.065
FR1 n77/n78	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	641666	3624.99	Battery 1	Sample 2	22.25	22.50	1.059	-0.06	0.382	0.405
FR1 n77/n78	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	641666	3624.99	Battery 1	Sample 3	22.25	22.50	1.059	-0.08	0.397	0.420
FR1 n77/n78	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	641666	3624.99	Battery 1	Sample 4	22.25	22.50	1.059	-0.02	0.459	0.486
FR1 n77/n78	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	641666	3624.99	Battery 2	Sample 1	22.25	22.50	1.059	0.12	0.233	0.247
FR1 n77/n78	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2_WiFi ON	641666	3624.99	Battery 2	Sample 1	20.33	20.80	1.114	-0.13	0.291	0.324
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 9	DSI 2	656000	3840	Battery 1	Sample 1	20.38	22.00	1.452	0.14	0.344	0.499
FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 9	DSI 2	656000	3840	Battery 1	Sample 1	20.15	22.00	1.531	-0.19	0.318	0.487
FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 9	DSI 2	656000	3840	Battery 1	Sample 1	20.38	22.00	1.452	-0.15	0.119	0.173
FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 9	DSI 2	656000	3840	Battery 1	Sample 1	20.15	22.00	1.531	-0.14	0.102	0.156
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	656000	3840	Battery 1	Sample 1	20.38	22.00	1.452	0.17</		



FCC SAR TEST REPORT

Report No. : FA5N2836B

FR1 n77_HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 9	DSI 2	656000	3840	Battery 1	Sample 1	23.32	25.00	1.472	0.12	0.326	0.480
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 9	DSI 2	656000	3840	Battery 1	Sample 2	20.38	22.00	1.452	-0.06	0.237	0.344
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 9	DSI 2	656000	3840	Battery 1	Sample 3	20.38	22.00	1.452	0.11	0.192	0.279
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 9	DSI 2	656000	3840	Battery 1	Sample 4	20.38	22.00	1.452	0.04	0.181	0.263
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 9	DSI 2	656000	3840	Battery 2	Sample 1	20.38	22.00	1.452	0.16	0.286	0.415
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 1	17.37	17.90	1.13	0.01	0.983	1.111
FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 1	17.20	17.90	1.175	0.01	0.682	0.801
FR1 n77	100M	BPSK	270	0	Right Cheek	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 1	17.14	17.90	1.191	0.01	0.678	0.807
FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 1	17.37	17.90	1.13	0.03	0.366	0.414
FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 1	17.20	17.90	1.175	0.14	0.344	0.404
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 1	17.37	17.90	1.13	-0.07	0.291	0.329
FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 1	17.20	17.90	1.175	0.08	0.273	0.321
FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 1	17.37	17.90	1.13	0.12	0.222	0.251
FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 1	17.20	17.90	1.175	0.17	0.209	0.246
FR1 n77_HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 1	20.33	20.90	1.14	-0.01	0.889	1.013
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 2	17.14	17.90	1.13	-0.05	0.835	0.944
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 3	17.37	17.90	1.13	-0.07	0.944	1.067
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 4	17.37	17.90	1.13	0.06	0.726	0.820
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	656000	3840	Battery 2	Sample 1	17.37	17.90	1.13	0.15	0.892	1.008
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2 WiFi ON	656000	3840	Battery 1	Sample 1	17.50	17.50	1.0	0.11	0.741	0.741
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	656000	3840	Battery 1	Sample 1	24.22	25.50	1.343	-0.18	0.214	0.287
FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 3	DSI 2	656000	3840	Battery 1	Sample 1	23.91	25.50	1.442	-0.10	0.193	0.278
FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 3	DSI 2	656000	3840	Battery 1	Sample 1	24.22	25.50	1.343	-0.06	0.053	0.071
FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 3	DSI 2	656000	3840	Battery 1	Sample 1	23.91	25.50	1.442	-0.17	0.047	0.068
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 3	DSI 2	656000	3840	Battery 1	Sample 1	24.22	25.50	1.343	-0.02	0.110	0.148
FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 3	DSI 2	656000	3840	Battery 1	Sample 1	23.91	25.50	1.442	0.00	0.100	0.144
FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 3	DSI 2	656000	3840	Battery 1	Sample 1	24.22	25.50	1.343	-0.10	0.065	0.087
FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 3	DSI 2	656000	3840	Battery 1	Sample 1	23.91	25.50	1.442	-0.11	0.055	0.079
FR1 n77_HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	656000	3840	Battery 1	Sample 1	27.20	27.50	1.072	-0.12	0.202	0.217
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	656000	3840	Battery 1	Sample 2	24.22	25.50	1.343	0.14	0.167	0.224
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	656000	3840	Battery 1	Sample 3	24.22	25.50	1.343	0.18	0.084	0.113
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	656000	3840	Battery 1	Sample 4	24.22	25.50	1.343	0.13	0.156	0.210
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	656000	3840	Battery 2	Sample 1	24.22	25.50	1.343	-0.14	0.150	0.201
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 4	DSI 2	656000	3840	Battery 1	Sample 1	23.91	24.50	1.146	0.04	0.082	0.094
FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 4	DSI 2	656000	3840	Battery 1	Sample 1	23.65	24.50	1.216	-0.07	0.073	0.089
FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 4	DSI 2	656000	3840	Battery 1	Sample 1	23.91	24.50	1.146	-0.05	0.045	0.052
FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 4	DSI 2	656000	3840	Battery 1	Sample 1	23.65	24.50	1.216	-0.18	0.039	0.047
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	656000	3840	Battery 1	Sample 1	23.91	24.50	1.146	0.15	0.496	0.568
FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 4	DSI 2	656000	3840	Battery 1	Sample 1	23.65	24.50	1.216	0.05	0.304	0.370
FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 4	DSI 2	656000	3840	Battery 1	Sample 1	23.91	24.50	1.146	0.05	0.036	0.041
FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 4	DSI 2	656000	3840	Battery 1	Sample 1	23.65	24.50	1.216	-0.03	0.030	0.036
FR1 n77_HPUE	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	656000	3840	Battery 1	Sample 1	25.76	27.00	1.33	0.02	0.411	0.547
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	656000	3840	Battery 1	Sample 2	23.91	24.50	1.146	0.15	0.421	0.482
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	656000	3840	Battery 1	Sample 3	23.91	24.50	1.146	-0.02	0.451	0.517
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	656000	3840	Battery 1	Sample 4	23.91	24.50	1.146	0.00	0.425	0.487
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	656000	3840	Battery 2	Sample 1	23.91	24.50	1.146	-0.14	0.245	0.281
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2 WiFi ON	656000	3840	Battery 1	Sample 1	20.69	20.80	1.026	0.06	0.365	0.374

【WLAN 2.4GHz_5GHz SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Battery	Sample	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	Right Cheek	0mm	Ant 6	Power table 0 Non-DBS	1	2412	Battery 1	Sample 1	17.88	18.50	1.153	98.21	1.018	0.10	0.249	0.292
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 6	Power table 0 Non-DBS	1	2412	Battery 1	Sample 1	17.88	18.50	1.153	98.21	1.018	-0.01	0.246	0.289
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6	Power table 0 Non-DBS	1	2412	Battery 1	Sample 1	17.88	18.50	1.153	98.21	1.018	0.10	0.580	0.681
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 6	Power table 0 Non-DBS	1	2412	Battery 1	Sample 1	17.88	18.50	1.153	98.21	1.018	0.10	0.325	0.381
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6	Power table 0 Non-DBS	1	2412	Battery 1	Sample 2	17.88	18.50	1.153	98.21	1.018	0.12	0.568	0.667
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6	Power table 0 Non-DBS	1	2412	Battery 1	Sample 3	17.88	18.50	1.153	98.21	1.018	0.15	0.558	0.655
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6	Power table 0 Non-DBS	1	2412	Battery 1	Sample 4	17.88	18.50	1.153	98.21	1.018	0.15	0.514	0.603
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6	Power table 0 Non-DBS	1	2412	Battery 2	Sample 1	17.88	18.50	1.153	98.21	1.018	0.18	0.555	0.651
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6	Power table 3 DBS	1	2412	Battery 1	Sample 1	14.28	15.00	1.18	98.21	1.018	-0.06	0.238	0.286
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 7	Power table 0 Non-DBS	1	2412	Battery 1	Sample 1	17.68	18.50	1.208	98.35	1.017	-0.06	0.072	0.088
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 7	Power table 0 Non-DBS	1	2412	Battery 1	Sample 1	17.68	18.50	1.208	98.35	1.017	0.03	0.074	0.091
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 7	Power table 0 Non-DBS	1	2412	Battery 1	Sample 1	17.68	18.50	1.208	98.35	1.017	-0.03	0.195	0.240
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 7	Power table 0 Non-DBS	1	2412	Battery 1	Sample 1	17.68	18.50	1.208	98.35	1.017	-0.06	0.063	0.077
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 7	Power table 0 Non-DBS	1	2412	Battery 1	Sample 2	17.68	18.50	1.208	98.35	1.017	0.04	0.173	0.213
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 7	Power table 0 Non-DBS	1	2412	Battery 1	Sample 3	17.68	18.50	1.208	98.35	1.017	0.18	0.169	0.208
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 7	Power table 0 Non-DBS	1	2412	Battery 1	Sample 4	17.68	18.50	1.208	98.35	1.017	0.18	0.176	0.216
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 7	Power table 0 Non-DBS	1	2412	Battery 2	Sample 1	17.68	18.50	1.208	98.35	1.017	-0.01	0.192	0.236
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant MIMO(7)	Power table 0 Non-DBS	11	2462	Battery 1	Sample 1	17.68	18.50	1.208	98.05	1.02	-0.18	0.677	0.834
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant MIMO(7)	Power table 0 Non-DBS	1	2412	Battery 1	Sample 1	17.68	18.50	1.208	98.05	1.02	-0.13	0.658	0.811



FCC SAR TEST REPORT

Report No. : FA5N2836B

	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant MIMO(7)	Power table 0 Non-DBS	6	2437	Battery 1	Sample 1	17.68	18.50	1.208	98.05	1.02	0.10	0.665	0.819
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant MIMO(7)	Power table 0 Non-DBS	11	2462	Battery 1	Sample 1	17.68	18.50	1.208	98.05	1.02	-0.14	0.775	0.955
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant MIMO(7)	Power table 0 Non-DBS	1	2412	Battery 1	Sample 1	17.68	18.50	1.208	98.05	1.02	-0.01	0.745	0.918
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant MIMO(7)	Power table 0 Non-DBS	6	2437	Battery 1	Sample 1	17.68	18.50	1.208	98.05	1.02	0.16	0.736	0.907
26	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant MIMO(7)	Power table 0 Non-DBS	11	2462	Battery 1	Sample 1	17.68	18.50	1.208	98.05	1.02	-0.01	0.964	1.188
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant MIMO(7)	Power table 0 Non-DBS	1	2412	Battery 1	Sample 1	17.68	18.50	1.208	98.05	1.02	0.18	0.856	1.055
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant MIMO(7)	Power table 0 Non-DBS	6	2437	Battery 1	Sample 1	17.68	18.50	1.208	98.05	1.02	0.09	0.807	0.994
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant MIMO(7)	Power table 0 Non-DBS	11	2462	Battery 1	Sample 1	17.68	18.50	1.208	98.05	1.02	-0.18	0.613	0.755
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant MIMO(7)	Power table 0 Non-DBS	11	2462	Battery 1	Sample 2	17.68	18.50	1.208	98.05	1.02	0.14	0.921	1.135
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant MIMO(7)	Power table 0 Non-DBS	11	2462	Battery 1	Sample 3	17.68	18.50	1.208	98.05	1.02	-0.09	0.869	1.071
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant MIMO(7)	Power table 0 Non-DBS	11	2462	Battery 1	Sample 4	17.68	18.50	1.208	98.05	1.02	-0.15	0.955	1.177
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant MIMO(7)	Power table 0 Non-DBS	11	2462	Battery 2	Sample 1	17.68	18.50	1.208	98.05	1.02	0.16	0.878	1.082
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant MIMO(7)	Power table 0 DBS	11	2462	Battery 1	Sample 1	16.08	16.50	1.102	98.05	1.02	-0.13	0.542	0.609
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant MIMO(7)	Power table 0 DBS	11	2462	Battery 1	Sample 1	16.08	16.50	1.102	98.05	1.02	0.13	0.658	0.740
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant MIMO(7)	Power table 3 DBS	11	2462	Battery 1	Sample 1	14.19	15.00	1.205	98.05	1.02	0.09	0.298	0.366
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant MIMO(7)	Power table 3 DBS	11	2462	Battery 1	Sample 1	14.19	15.00	1.205	98.05	1.02	-0.11	0.343	0.422
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant MIMO(7)	Power table 3 DBS	11	2462	Battery 1	Sample 1	14.19	15.00	1.205	98.05	1.02	-0.18	0.470	0.578
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant MIMO(7)	Power table 3 DBS	11	2462	Battery 1	Sample 1	14.19	15.00	1.205	98.05	1.02	0.04	0.277	0.340
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant MIMO(7)	Power table 0 Non-DBS	54	5270	Battery 1	Sample 1	18.20	18.50	1.072	99.64	1.004	0.04	0.704	0.758
	WLAN5GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant MIMO(7)	Power table 0 Non-DBS	54	5270	Battery 1	Sample 1	18.20	18.50	1.072	99.64	1.004	-0.12	0.734	0.790
27	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant MIMO(7)	Power table 0 Non-DBS	54	5270	Battery 1	Sample 1	18.20	18.50	1.072	99.64	1.004	-0.08	1.000	1.076
	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant MIMO(7)	Power table 0 Non-DBS	52	5260	Battery 1	Sample 1	18.10	18.50	1.096	99.1	1.009	-0.06	0.935	1.034
	WLAN5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant MIMO(7)	Power table 0 Non-DBS	54	5270	Battery 1	Sample 1	18.20	18.50	1.072	99.64	1.004	0.05	0.720	0.775
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant MIMO(7)	Power table 0 Non-DBS	54	5270	Battery 1	Sample 2	18.20	18.50	1.072	99.64	1.004	-0.06	0.885	0.953
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant MIMO(7)	Power table 0 Non-DBS	54	5270	Battery 1	Sample 3	18.20	18.50	1.072	99.64	1.004	0.18	0.867	0.933
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant MIMO(7)	Power table 0 Non-DBS	54	5270	Battery 1	Sample 4	18.20	18.50	1.072	99.64	1.004	0.17	0.858	0.923
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant MIMO(7)	Power table 0 Non-DBS	54	5270	Battery 2	Sample 1	18.20	18.50	1.072	99.64	1.004	0.03	0.963	1.036
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant MIMO(7)	Power table 0 DBS	58	5290	Battery 1	Sample 1	15.50	16.00	1.122	99.41	1.006	-0.04	0.691	0.780
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant MIMO(7)	Power table 3 DBS	58	5290	Battery 1	Sample 1	14.50	15.00	1.122	99.41	1.006	-0.11	0.263	0.297
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant MIMO(7)	Power table 3 DBS	58	5290	Battery 1	Sample 1	14.50	15.00	1.122	99.41	1.006	0.01	0.279	0.315
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant MIMO(7)	Power table 3 DBS	58	5290	Battery 1	Sample 1	14.50	15.00	1.122	99.41	1.006	0.03	0.528	0.596
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant MIMO(6)	Power table 0 Non-DBS	138	5690	Battery 1	Sample 1	18.00	19.00	1.259	99.28	1.007	0.05	0.578	0.733
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant MIMO(6)	Power table 0 Non-DBS	138	5690	Battery 1	Sample 1	18.00	19.00	1.259	99.28	1.007	-0.13	0.648	0.822
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant MIMO(6)	Power table 0 Non-DBS	122	5610	Battery 1	Sample 1	17.90	19.00	1.288	99.28	1.007	0.12	0.626	0.812
28	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant MIMO(6)	Power table 0 Non-DBS	138	5690	Battery 1	Sample 1	18.00	19.00	1.259	99.28	1.007	0.12	0.917	1.163
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant MIMO(6)	Power table 0 Non-DBS	122	5610	Battery 1	Sample 1	17.90	19.00	1.288	99.28	1.007	0.13	0.882	1.144
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant MIMO(6)	Power table 0 Non-DBS	138	5690	Battery 1	Sample 1	18.00	19.00	1.259	99.28	1.007	0.06	0.646	0.819
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant MIMO(6)	Power table 0 Non-DBS	122	5610	Battery 1	Sample 1	17.90	19.00	1.288	99.28	1.007	0.02	0.609	0.790
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant MIMO(6)	Power table 0 Non-DBS	138	5690	Battery 1	Sample 2	18.00	19.00	1.259	99.28	1.007	-0.02	0.760	0.964
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant MIMO(6)	Power table 0 Non-DBS	138	5690	Battery 1	Sample 3	18.00	19.00	1.259	99.28	1.007	0.02	0.725	0.919
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant MIMO(6)	Power table 0 Non-DBS	138	5690	Battery 1	Sample 4	18.00	19.00	1.259	99.28	1.007	-0.13	0.836	1.060
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant MIMO(6)	Power table 0 Non-DBS	138	5690	Battery 2	Sample 1	18.00	19.00	1.259	99.28	1.007	-0.14	0.851	1.079
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant MIMO(6)	Power table 0 DBS	138	5690	Battery 1	Sample 1	17.00	17.50	1.122	99.28	1.007	0.12	0.623	0.704
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant MIMO(6)	Power table 3 DBS	138	5690	Battery 1	Sample 1	15.50	16.00	1.122	99.28	1.007	-0.15	0.305	0.345
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant MIMO(6)	Power table 3 DBS	138	5690	Battery 1	Sample 1	15.50	16.00	1.122	99.28	1.007	0.14	0.353	0.399
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant MIMO(6)	Power table 3 DBS	138	5690	Battery 1	Sample 1	15.50	16.00	1.122	99.28	1.007	0.09	0.437	0.494
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant MIMO(6)	Power table 3 DBS	138	5690	Battery 1	Sample 1	15.50	16.00	1.122	99.28	1.007	-0.12	0.355	0.401
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant MIMO(7)	Power table 0 Non-DBS	155	5775	Battery 1	Sample 1	18.30	19.00	1.175	99.28	1.007	-0.17	0.613	0.725
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant MIMO(7)	Power table 0 Non-DBS	155	5775	Battery 1	Sample 1	18.30	19.00	1.175	99.28	1.007	0.04	0.674	0.797
29	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant MIMO(7)	Power table 0 Non-DBS	155	5775	Battery 1	Sample 1	18.30	19.00	1.175	99.28	1.007	-0.02	0.912	1.079
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant MIMO(7)	Power table 0 Non-DBS	151	5755	Battery 1	Sample 1	18.10	19.00	1.23	99.75	1.003	-0.11	0.662	0.817
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant MIMO(7)	Power table 0 Non-DBS	155	5775	Battery 1	Sample 1	18.30	19.00	1.175	99.28	1.007	-0.06	0.650	0.769
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant MIMO(7)	Power table 0 Non-DBS	155	5775	Battery 1	Sample 2	18.30	19.00	1.175	99.28	1.007	-0.07	0.618	0.731
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant MIMO(7)	Power table 0 Non-DBS	155	5775	Battery 1	Sample 3	18.30	19.00	1.175	99.28	1.007	0.15	0.737	0.872
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant MIMO(7)	Power table 0 Non-DBS	155	5775	Battery 1	Sample 4	18.30	19.00	1.175	99.28	1.007	0.15	0.906	1.072
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant MIMO(7)	Power table 0 Non-DBS	155	5775	Battery 2	Sample 1	18.30	19.00	1.175	99.28	1.007	-0.13	0.886	1.048
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant MIMO(7)	Power table 0 DBS	155	5775	Battery 1	Sample 1	17.26	17.50	1.057	99.28	1.007	-0.11	0.721	0.767
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant MIMO(7)	Power table 3 DBS	155	5775	Battery 1	Sample 1	16.40	16.50	1.023	99.28	1.007	0.19	0.378	0.389
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant MIMO(7)	Power table 3 DBS	155	5775	Battery 1	Sample 1	16.40	16.50	1.023	99.28	1.007	-0.02	0.408	0.420
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant MIMO(7)	Power table 3 DBS	155	5775	Battery 1	Sample 1	16.40	16.50	1.023	99.28	1.007	-0.01	0.558	0.575

**【WLAN 6GHz SAR】**

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Battery	Sample	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-HE160 MCS0	Right Cheek	0mm	Ant MIMO(6)	Power table 0 Non-DBS	47	6185	Battery 1	Sample 1	14.70	15.00	1.072	99.76	1.002	0.15	0.205	0.220	1.610	1.729
	WLAN6GHz	802.11ax-HE160 MCS0	Right Tilted	0mm	Ant MIMO(6)	Power table 0 Non-DBS	47	6185	Battery 1	Sample 1	14.70	15.00	1.072	99.76	1.002	0.09	0.233	0.250	1.820	1.955
30	WLAN6GHz	802.11ax-HE160 MCS0	Left Cheek	0mm	Ant MIMO(6)	Power table 0 Non-DBS	47	6185	Battery 1	Sample 1	14.70	15.00	1.072	99.76	1.002	0.11	0.417	0.448	3.460	3.717
	WLAN6GHz	802.11ax-HE160 MCS0	Left Tilted	0mm	Ant MIMO(6)	Power table 0 Non-DBS	47	6185	Battery 1	Sample 1	14.70	15.00	1.072	99.76	1.002	-0.01	0.227	0.244	1.970	2.116
	WLAN6GHz	802.11ax-HE160 MCS0	Left Cheek	0mm	Ant MIMO(6)	Power table 0 Non-DBS	15	6025	Battery 1	Sample 1	14.60	15.00	1.096	99.76	1.002	0.11	0.286	0.314	2.540	2.789
	WLAN6GHz	802.11ax-HE160 MCS0	Left Cheek	0mm	Ant MIMO(6)	Power table 0 Non-DBS	111	6505	Battery 1	Sample 1	14.30	15.00	1.175	99.76	1.002	0.10	0.346	0.407	2.910	3.426
	WLAN6GHz	802.11ax-HE160 MCS0	Left Cheek	0mm	Ant MIMO(6)	Power table 0 Non-DBS	143	6665	Battery 1	Sample 1	12.10	13.00	1.23	99.76	1.002	-0.13	0.337	0.415	2.630	3.241
	WLAN6GHz	802.11ax-HE160 MCS0	Left Cheek	0mm	Ant MIMO(7)	Power table 0 Non-DBS	207	6985	Battery 1	Sample 1	12.00	13.00	1.259	99.76	1.002	-0.01	0.306	0.386	2.490	3.141
	WLAN6GHz	802.11ax-HE160 MCS0	Left Cheek	0mm	Ant MIMO(6)	Power table 0 Non-DBS	47	6185	Battery 1	Sample 2	14.70	15.00	1.072	99.76	1.002	-0.03	0.387	0.416	3.350	3.598
	WLAN6GHz	802.11ax-HE160 MCS0	Left Cheek	0mm	Ant MIMO(6)	Power table 0 Non-DBS	47	6185	Battery 1	Sample 3	14.70	15.00	1.072	99.76	1.002	-0.15	0.361	0.388	3.190	3.427
	WLAN6GHz	802.11ax-HE160 MCS0	Left Cheek	0mm	Ant MIMO(6)	Power table 0 Non-DBS	47	6185	Battery 1	Sample 4	14.70	15.00	1.072	99.76	1.002	0.16	0.315	0.338	2.580	2.771
	WLAN6GHz	802.11ax-HE160 MCS0	Left Cheek	0mm	Ant MIMO(6)	Power table 0 Non-DBS	47	6185	Battery 2	Sample 1	14.70	15.00	1.072	99.76	1.002	0.14	0.392	0.421	3.370	3.620

【Bluetooth SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Battery	Sample	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 6	Power table 0	0	2402	Battery 1	Sample 1	4.73	6.00	1.34	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 6	Power table 0	0	2402	Battery 1	Sample 1	4.73	6.00	1.34	76.93	1.083	0.00	0.001	0.001
31	Bluetooth	1Mbps	Left Cheek	0mm	Ant 6	Power table 0	0	2402	Battery 1	Sample 1	4.73	6.00	1.34	76.93	1.083	-0.16	0.027	0.039
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 6	Power table 0	0	2402	Battery 1	Sample 1	4.73	6.00	1.34	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 6	Power table 0	0	2402	Battery 1	Sample 2	4.73	6.00	1.34	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 6	Power table 0	0	2402	Battery 1	Sample 3	4.73	6.00	1.34	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 6	Power table 0	0	2402	Battery 1	Sample 4	4.73	6.00	1.34	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 6	Power table 0	0	2402	Battery 2	Sample 1	4.73	6.00	1.34	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 7	Power table 0	0	2402	Battery 1	Sample 1	4.89	6.00	1.291	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 7	Power table 0	0	2402	Battery 1	Sample 1	4.89	6.00	1.291	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 7	Power table 0	0	2402	Battery 1	Sample 1	4.89	6.00	1.291	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 7	Power table 0	0	2402	Battery 1	Sample 1	4.89	6.00	1.291	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 7	Power table 0	0	2402	Battery 1	Sample 2	4.89	6.00	1.291	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 7	Power table 0	0	2402	Battery 1	Sample 3	4.89	6.00	1.291	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 7	Power table 0	0	2402	Battery 1	Sample 4	4.89	6.00	1.291	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 7	Power table 0	0	2402	Battery 2	Sample 1	4.89	6.00	1.291	76.93	1.083	0.00	0.001	0.001

**14.2 Hotspot SAR**

【GSM SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Battery	Sample	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	GPRS 4 Tx slots	Front	10mm	Ant 8	DSI 3	251	848.8	Battery 1	Sample 1	24.72	25.60	1.225	-0.08	0.081	0.099
	GSM850	GPRS 4 Tx slots	Back	10mm	Ant 8	DSI 3	251	848.8	Battery 1	Sample 1	24.72	25.60	1.225	-0.03	0.209	0.256
	GSM850	GPRS 4 Tx slots	Left Edge	10mm	Ant 8	DSI 3	251	848.8	Battery 1	Sample 1	24.72	25.60	1.225	-0.17	0.029	0.036
	GSM850	GPRS 4 Tx slots	Top Edge	10mm	Ant 8	DSI 3	251	848.8	Battery 1	Sample 1	24.72	25.60	1.225	-0.04	0.110	0.135
	GSM850	GPRS 4 Tx slots	Back	10mm	Ant 8	DSI 3	251	848.8	Battery 1	Sample 2	24.72	25.60	1.225	0.11	0.193	0.236
	GSM850	GPRS 4 Tx slots	Back	10mm	Ant 8	DSI 3	251	848.8	Battery 1	Sample 3	24.72	25.60	1.225	-0.12	0.171	0.209
	GSM850	GPRS 4 Tx slots	Back	10mm	Ant 8	DSI 3	251	848.8	Battery 1	Sample 4	24.72	25.60	1.225	0.17	0.075	0.092
	GSM850	GPRS 4 Tx slots	Back	10mm	Ant 8	DSI 3	251	848.8	Battery 2	Sample 1	24.72	25.60	1.225	0.13	0.156	0.191
32	GSM850	GPRS 4 Tx slots	Back	25mm	Ant 8	DSI 0	251	848.8	Battery 1	Sample 1	32.21	33.00	1.199	-0.07	0.295	0.354
	GSM1900	GPRS 4 Tx slots	Front	10mm	Ant 8	DSI 3	810	1909.8	Battery 1	Sample 1	19.29	19.70	1.099	-0.11	0.035	0.038
33	GSM1900	GPRS 4 Tx slots	Back	10mm	Ant 8	DSI 3	810	1909.8	Battery 1	Sample 1	19.29	19.70	1.099	-0.01	0.146	0.160
	GSM1900	GPRS 4 Tx slots	Left Edge	10mm	Ant 8	DSI 3	810	1909.8	Battery 1	Sample 1	19.29	19.70	1.099	0.08	0.067	0.074
	GSM1900	GPRS 4 Tx slots	Top Edge	10mm	Ant 8	DSI 3	810	1909.8	Battery 1	Sample 1	19.29	19.70	1.099	0.00	0.051	0.056
	GSM1900	GPRS 4 Tx slots	Back	10mm	Ant 8	DSI 3	810	1909.8	Battery 1	Sample 2	19.29	19.70	1.099	-0.04	0.090	0.099
	GSM1900	GPRS 4 Tx slots	Back	10mm	Ant 8	DSI 3	810	1909.8	Battery 1	Sample 3	19.29	19.70	1.099	0.06	0.099	0.109
	GSM1900	GPRS 4 Tx slots	Back	10mm	Ant 8	DSI 3	810	1909.8	Battery 1	Sample 4	19.29	19.70	1.099	0.01	0.094	0.103
	GSM1900	GPRS 4 Tx slots	Back	10mm	Ant 8	DSI 3	810	1909.8	Battery 2	Sample 1	19.29	19.70	1.099	-0.12	0.133	0.146

【WCDMA SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Battery	Sample	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	RMC 12.2Kbps	Front	10mm	Ant 8	DSI 3	9538	1907.6	Battery 1	Sample 1	16.81	17.00	1.045	0.08	0.034	0.036
34	WCDMA II	RMC 12.2Kbps	Back	10mm	Ant 8	DSI 3	9538	1907.6	Battery 1	Sample 1	16.81	17.00	1.045	-0.02	0.153	0.160
	WCDMA II	RMC 12.2Kbps	Left Edge	10mm	Ant 8	DSI 3	9538	1907.6	Battery 1	Sample 1	16.81	17.00	1.045	-0.03	0.072	0.075
	WCDMA II	RMC 12.2Kbps	Top Edge	10mm	Ant 8	DSI 3	9538	1907.6	Battery 1	Sample 1	16.81	17.00	1.045	-0.03	0.055	0.057
	WCDMA II	RMC 12.2Kbps	Back	10mm	Ant 8	DSI 3	9538	1907.6	Battery 1	Sample 2	16.81	17.00	1.045	0.10	0.094	0.098
	WCDMA II	RMC 12.2Kbps	Back	10mm	Ant 8	DSI 3	9538	1907.6	Battery 1	Sample 3	16.81	17.00	1.045	0.16	0.114	0.119
	WCDMA II	RMC 12.2Kbps	Back	10mm	Ant 8	DSI 3	9538	1907.6	Battery 1	Sample 4	16.81	17.00	1.045	-0.03	0.110	0.115
	WCDMA II	RMC 12.2Kbps	Back	10mm	Ant 8	DSI 3	9538	1907.6	Battery 2	Sample 1	16.81	17.00	1.045	-0.16	0.152	0.159
	WCDMA IV	RMC 12.2Kbps	Front	10mm	Ant 8	DSI 3	1312	1712.4	Battery 1	Sample 1	16.84	17.60	1.191	0.02	0.031	0.037
	WCDMA IV	RMC 12.2Kbps	Back	10mm	Ant 8	DSI 3	1312	1712.4	Battery 1	Sample 1	16.84	17.60	1.191	-0.03	0.124	0.148
	WCDMA IV	RMC 12.2Kbps	Left Edge	10mm	Ant 8	DSI 3	1312	1712.4	Battery 1	Sample 1	16.84	17.60	1.191	0.14	0.109	0.130
	WCDMA IV	RMC 12.2Kbps	Top Edge	10mm	Ant 8	DSI 3	1312	1712.4	Battery 1	Sample 1	16.84	17.60	1.191	-0.18	0.099	0.118
	WCDMA IV	RMC 12.2Kbps	Back	10mm	Ant 8	DSI 3	1312	1712.4	Battery 1	Sample 2	16.84	17.60	1.191	0.00	0.113	0.135
	WCDMA IV	RMC 12.2Kbps	Back	10mm	Ant 8	DSI 3	1312	1712.4	Battery 1	Sample 3	16.84	17.60	1.191	-0.17	0.123	0.146
	WCDMA IV	RMC 12.2Kbps	Back	10mm	Ant 8	DSI 3	1312	1712.4	Battery 1	Sample 4	16.84	17.60	1.191	-0.03	0.110	0.131
	WCDMA IV	RMC 12.2Kbps	Back	10mm	Ant 8	DSI 3	1312	1712.4	Battery 2	Sample 1	16.84	17.60	1.191	-0.09	0.120	0.143
35	WCDMA IV	RMC 12.2Kbps	Back	25mm	Ant 8	DSI 0	1312	1712.4	Battery 1	Sample 1	23.82	25.00	1.312	-0.13	0.115	0.151
	WCDMA V	RMC 12.2Kbps	Front	10mm	Ant 8	DSI 3	4132	826.4	Battery 1	Sample 1	19.01	19.90	1.227	0.08	0.075	0.092
36	WCDMA V	RMC 12.2Kbps	Back	10mm	Ant 8	DSI 3	4132	826.4	Battery 1	Sample 1	19.01	19.90	1.227	-0.00	0.142	0.174
	WCDMA V	RMC 12.2Kbps	Left Edge	10mm	Ant 8	DSI 3	4132	826.4	Battery 1	Sample 1	19.01	19.90	1.227	-0.02	0.058	0.071
	WCDMA V	RMC 12.2Kbps	Top Edge	10mm	Ant 8	DSI 3	4132	826.4	Battery 1	Sample 1	19.01	19.90	1.227	-0.06	0.097	0.119
	WCDMA V	RMC 12.2Kbps	Back	10mm	Ant 8	DSI 3	4132	826.4	Battery 1	Sample 2	19.01	19.90	1.227	0.04	0.115	0.141
	WCDMA V	RMC 12.2Kbps	Back	10mm	Ant 8	DSI 3	4132	826.4	Battery 1	Sample 3	19.01	19.90	1.227	0.17	0.139	0.171
	WCDMA V	RMC 12.2Kbps	Back	10mm	Ant 8	DSI 3	4132	826.4	Battery 1	Sample 4	19.01	19.90	1.227	-0.09	0.116	0.142
	WCDMA V	RMC 12.2Kbps	Back	10mm	Ant 8	DSI 3	4132	826.4	Battery 2	Sample 1	19.01	19.90	1.227	-0.03	0.135	0.166



FCC SAR TEST REPORT

Report No. : FA5N2836B

[LTE SAR]

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Battery	Sample	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 2	20M	QPSK	1	0	Front	10mm	Ant 2	DSI 3	19100	1900	Battery 1	Sample 1	19.73	20.80	1.279			-0.18	0.001	0.001
	LTE Band 2	20M	QPSK	50	0	Front	10mm	Ant 2	DSI 3	19100	1900	Battery 1	Sample 1	19.69	20.80	1.291			-0.12	0.001	0.001
37	LTE Band 2	20M	QPSK	1	0	Back	10mm	Ant 2	DSI 3	19100	1900	Battery 1	Sample 1	19.73	20.80	1.279			0.04	0.112	0.143
	LTE Band 2	20M	QPSK	50	0	Back	10mm	Ant 2	DSI 3	19100	1900	Battery 1	Sample 1	19.69	20.80	1.291			-0.11	0.080	0.103
	LTE Band 2	20M	QPSK	1	0	Right Edge	10mm	Ant 2	DSI 3	19100	1900	Battery 1	Sample 1	19.73	20.80	1.279			0.05	0.028	0.036
	LTE Band 2	20M	QPSK	50	0	Right Edge	10mm	Ant 2	DSI 3	19100	1900	Battery 1	Sample 1	19.69	20.80	1.291			-0.08	0.025	0.032
	LTE Band 2	20M	QPSK	1	0	Bottom Edge	10mm	Ant 2	DSI 3	19100	1900	Battery 1	Sample 1	19.73	20.80	1.279			-0.11	0.047	0.060
	LTE Band 2	20M	QPSK	50	0	Bottom Edge	10mm	Ant 2	DSI 3	19100	1900	Battery 1	Sample 1	19.69	20.80	1.291			0.00	0.044	0.057
	LTE Band 2	20M	QPSK	1	0	Back	10mm	Ant 2	DSI 3	19100	1900	Battery 1	Sample 2	19.73	20.80	1.279			0.16	0.088	0.113
	LTE Band 2	20M	QPSK	1	0	Back	10mm	Ant 2	DSI 3	19100	1900	Battery 1	Sample 3	19.73	20.80	1.279			-0.10	0.068	0.087
	LTE Band 2	20M	QPSK	1	0	Back	10mm	Ant 2	DSI 3	19100	1900	Battery 1	Sample 4	19.73	20.80	1.279			0.13	0.099	0.127
	LTE Band 2	20M	QPSK	1	0	Back	10mm	Ant 2	DSI 3	19100	1900	Battery 2	Sample 1	19.73	20.80	1.279			-0.06	0.065	0.083
	LTE Band 7	20M	QPSK	1	0	Front	10mm	Ant 1	DSI 3	21100	2535	Battery 1	Sample 1	20.82	21.20	1.091			0.05	0.108	0.118
	LTE Band 7	20M	QPSK	50	0	Front	10mm	Ant 1	DSI 3	21100	2535	Battery 1	Sample 1	19.87	20.20	1.079			-0.05	0.089	0.096
	LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 1	DSI 3	21100	2535	Battery 1	Sample 1	20.82	21.20	1.091			0.07	0.135	0.147
	LTE Band 7	20M	QPSK	50	0	Back	10mm	Ant 1	DSI 3	21100	2535	Battery 1	Sample 1	19.87	20.20	1.079			-0.11	0.106	0.114
38	LTE Band 7	20M	QPSK	1	0	Left Edge	10mm	Ant 1	DSI 3	21100	2535	Battery 1	Sample 1	20.82	21.20	1.091			-0.02	0.257	0.280
	LTE Band 7	20M	QPSK	50	0	Left Edge	10mm	Ant 1	DSI 3	21100	2535	Battery 1	Sample 1	19.87	20.20	1.079			-0.05	0.204	0.220
	LTE Band 7C	20M+20M	QPSK	1	0	Left Edge	10mm	Ant 1	DSI 3	21350+21152	2560+2540.2	Battery 1	Sample 1	19.97	21.20	1.327			0.01	0.197	0.261
	LTE Band 7	20M	QPSK	1	0	Left Edge	10mm	Ant 1	DSI 3	21100	2535	Battery 1	Sample 2	20.82	21.20	1.091			-0.13	0.228	0.249
	LTE Band 7	20M	QPSK	1	0	Left Edge	10mm	Ant 1	DSI 3	21100	2535	Battery 1	Sample 3	20.82	21.20	1.091			-0.01	0.191	0.208
	LTE Band 7	20M	QPSK	1	0	Left Edge	10mm	Ant 1	DSI 3	21100	2535	Battery 1	Sample 4	20.82	21.20	1.091			-0.18	0.197	0.215
	LTE Band 7	20M	QPSK	1	0	Left Edge	10mm	Ant 1	DSI 3	21100	2535	Battery 2	Sample 1	20.82	21.20	1.091			-0.02	0.233	0.254
	LTE Band 12	10M	QPSK	1	0	Front	10mm	Ant 8	DSI 3	23095	707.5	Battery 1	Sample 1	21.68	22.20	1.127			-0.13	0.098	0.110
	LTE Band 12	10M	QPSK	25	0	Front	10mm	Ant 8	DSI 3	23095	707.5	Battery 1	Sample 1	20.60	21.20	1.148			0.14	0.078	0.090
39	LTE Band 12	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	23095	707.5	Battery 1	Sample 1	21.68	22.20	1.127			0.01	0.138	0.156
	LTE Band 12	10M	QPSK	25	0	Back	10mm	Ant 8	DSI 3	23095	707.5	Battery 1	Sample 1	20.60	21.20	1.148			-0.05	0.086	0.099
	LTE Band 12	10M	QPSK	1	0	Left Edge	10mm	Ant 8	DSI 3	23095	707.5	Battery 1	Sample 1	21.68	22.20	1.127			-0.08	0.104	0.117
	LTE Band 12	10M	QPSK	25	0	Left Edge	10mm	Ant 8	DSI 3	23095	707.5	Battery 1	Sample 1	20.60	21.20	1.148			-0.16	0.082	0.094
	LTE Band 12	10M	QPSK	1	0	Top Edge	10mm	Ant 8	DSI 3	23095	707.5	Battery 1	Sample 1	21.68	22.20	1.127			-0.03	0.066	0.074
	LTE Band 12	10M	QPSK	25	0	Top Edge	10mm	Ant 8	DSI 3	23095	707.5	Battery 1	Sample 1	20.60	21.20	1.148			-0.10	0.052	0.060
	LTE Band 12	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	23095	707.5	Battery 1	Sample 2	21.68	22.20	1.127			-0.01	0.119	0.134
	LTE Band 12	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	23095	707.5	Battery 1	Sample 3	21.68	22.20	1.127			0.02	0.136	0.153
	LTE Band 12	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	23095	707.5	Battery 1	Sample 4	21.68	22.20	1.127			-0.17	0.104	0.117
	LTE Band 12	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	23095	707.5	Battery 2	Sample 1	21.68	22.20	1.127			-0.09	0.110	0.124
	LTE Band 13	10M	QPSK	1	0	Front	10mm	Ant 8	DSI 3	23230	782	Battery 1	Sample 1	20.59	21.10	1.125			-0.18	0.076	0.085
	LTE Band 13	10M	QPSK	25	0	Front	10mm	Ant 8	DSI 3	23230	782	Battery 1	Sample 1	19.69	20.10	1.099			0.00	0.060	0.066
40	LTE Band 13	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	23230	782	Battery 1	Sample 1	20.59	21.10	1.125			0.01	0.148	0.166
	LTE Band 13	10M	QPSK	25	0	Back	10mm	Ant 8	DSI 3	23230	782	Battery 1	Sample 1	19.69	20.10	1.099			-0.03	0.099	0.109
	LTE Band 13	10M	QPSK	1	0	Left Edge	10mm	Ant 8	DSI 3	23230	782	Battery 1	Sample 1	20.59	21.10	1.125			-0.08	0.077	0.087
	LTE Band 13	10M	QPSK	25	0	Left Edge	10mm	Ant 8	DSI 3	23230	782	Battery 1	Sample 1	19.69	20.10	1.099			0.13	0.061	0.067
	LTE Band 13	10M	QPSK	1	0	Top Edge	10mm	Ant 8	DSI 3	23230	782	Battery 1	Sample 1	20.59	21.10	1.125			0.09	0.081	0.091
	LTE Band 13	10M	QPSK	25	0	Top Edge	10mm	Ant 8	DSI 3	23230	782	Battery 1	Sample 1	19.69	20.10	1.099			0.05	0.064	0.070
	LTE Band 13	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	23230	782	Battery 1	Sample 2	20.59	21.10	1.125			0.04	0.110	0.124
	LTE Band 13	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	23230	782	Battery 1	Sample 3	20.59	21.10	1.125			0.07	0.125	0.141
	LTE Band 13	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	23230	782	Battery 1	Sample 4	20.59	21.10	1.125			0.15	0.115	0.129
	LTE Band 13	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	23230	782	Battery 2	Sample 1	20.59	21.10	1.125			0.13	0.123	0.138
	LTE Band 25	20M	QPSK	1	0	Front	10mm	Ant 8	DSI 3	26340	1880	Battery 1	Sample 1	16.78	17.90	1.294			0.14	0.036	0.047
	LTE Band 25	20M	QPSK	50	0	Front	10mm	Ant 8	DSI 3	26340	1880	Battery 1	Sample 1	15.87	16.90	1.268			-0.02	0.025	0.032
41	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	26340	1880	Battery 1	Sample 1	16.78	17.90	1.294			-0.10	0.126	0.163
	LTE Band 25	20M	QPSK	50	0	Back	10mm	Ant 8	DSI 3	26340	1880	Battery 1	Sample 1	15.87	16.90	1.268			0.11	0.073	0.093
	LTE Band 25	20M	QPSK	1	0	Left Edge	10mm	Ant 8	DSI 3	26340	1880	Battery 1	Sample 1	16.78	17.90	1.294			0.12	0.062	0.080
	LTE Band 25	20M	QPSK	50	0	Left Edge	10mm	Ant 8	DSI 3	26340	1880	Battery 1	Sample 1	15.87	16.90	1.268			0.09	0.043	0.055
	LTE Band 25	20M	QPSK	1	0	Top Edge	10mm	Ant 8	DSI 3	26340	1880	Battery 1	Sample 1	16.78	17.90	1.294			0.07	0.044	0.057
	LTE Band 25	20M	QPSK	50	0	Top Edge	10mm	Ant 8	DSI 3	26340	1880	Battery 1	Sample 1	15.87	16.90	1.268			-0.08	0.030	0.038
	LTE Band 2C	20M+20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	19100+18902	1900+1880.2	Battery 1	Sample 1	16.72	17.90	1.312			0.09	0.111	0.146
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	26340	1880	Battery 1	Sample 2	16.78	17.90	1.294			-0.03	0.096	0.124
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	26340	1880	Battery 1	Sample 3	16.78	17.90	1.294			-0.16	0.103	0.133
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	26340	1880	Battery 1	Sample 4	16.78	17.90	1.294			0.18	0.112	0.145
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	26340	1880	Battery 2	Sample 1	16.78	17.90	1.294			-0.16	0.121	0.157
	LTE Band 26	15M	QPSK	1	0	Front	10mm	Ant 8	DSI 3	26865	831.5	Battery 1	Sample 1	19.65	20.20	1.135			0.07	0.098	0.111
	LTE Band 26	15M	QPSK	36	0	Front	10mm	Ant 8	DSI 3	26865	831.5	Battery 1	Sample 1	18.66	19.20	1.132			-0.13	0.078	0.088
42	LTE Band 26	15M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	26865	831.5	Battery 1	Sample 1	19.65	20.20	1.135			0.02	0.161	0.183
	LTE Band 26	15M	QPSK	36	0	Back	10mm	Ant 8	DSI 3	26865	831.5	Battery 1	Sample 1	18.66	19.20	1.132			-0.03	0.128	0.145
	LTE Band 26	15M	QPSK	1	0	Left Edge	10mm	Ant 8	DSI 3	26865	831.5	Battery 1	Sample 1	19.65	20.20	1.135			0.12	0.076	0.086
	LTE Band 26	15M	QPSK	36	0	Left Edge	10mm	Ant 8	DSI 3	26865	831.5	Battery 1	Sample 1	18.66	19.20	1.132			0.01	0.061	0.069
	LTE Band 26	15M	QPSK	1	0	Top Edge	10mm	Ant 8	DSI 3	26865	831.5	Battery 1	Sample 1	19.65							



FCC SAR TEST REPORT

Report No. : FA5N2836B

	LTE Band 5B	10M+10M	QPSK	1	49	Back	10mm	Ant 8	DSI 3	20476+20575	831.6+841.5	Battery 1	Sample 1	19.71	20.20	1.119				-0.08	0.145	0.162
	LTE Band 26	15M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	26865	831.5	Battery 1	Sample 2	19.65	20.20	1.135				-0.15	0.148	0.168
	LTE Band 26	15M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	26865	831.5	Battery 1	Sample 3	19.65	20.20	1.135				-0.17	0.156	0.177
	LTE Band 26	15M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	26865	831.5	Battery 1	Sample 4	19.65	20.20	1.135				0.07	0.152	0.173
	LTE Band 26	15M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	26865	831.5	Battery 2	Sample 1	19.65	20.20	1.135				0.04	0.159	0.180
	LTE Band 66	20M	QPSK	1	0	Front	10mm	Ant 8	DSI 3	132322	1745	Battery 1	Sample 1	18.34	18.70	1.086				-0.15	0.042	0.046
	LTE Band 66	20M	QPSK	50	0	Front	10mm	Ant 8	DSI 3	132322	1745	Battery 1	Sample 1	17.41	17.70	1.069				0.07	0.032	0.034
43	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	132322	1745	Battery 1	Sample 1	18.34	18.70	1.086				-0.06	0.157	0.171
	LTE Band 66	20M	QPSK	50	0	Back	10mm	Ant 8	DSI 3	132322	1745	Battery 1	Sample 1	17.41	17.70	1.069				-0.19	0.097	0.104
	LTE Band 66	20M	QPSK	1	0	Left Edge	10mm	Ant 8	DSI 3	132322	1745	Battery 1	Sample 1	18.34	18.70	1.086				0.13	0.118	0.128
	LTE Band 66	20M	QPSK	50	0	Left Edge	10mm	Ant 8	DSI 3	132322	1745	Battery 1	Sample 1	17.41	17.70	1.069				-0.01	0.093	0.099
	LTE Band 66	20M	QPSK	1	0	Top Edge	10mm	Ant 8	DSI 3	132322	1745	Battery 1	Sample 1	18.34	18.70	1.086				-0.01	0.051	0.055
	LTE Band 66	20M	QPSK	50	0	Top Edge	10mm	Ant 8	DSI 3	132322	1745	Battery 1	Sample 1	17.41	17.70	1.069				0.00	0.040	0.043
	LTE Band 66B	15M+5M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	132322+132415	1745+1754.3	Battery 1	Sample 1	18.33	18.70	1.089				-0.01	0.142	0.155
	LTE Band 66C	20M+20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	132322+132520	1745+1764.8	Battery 1	Sample 1	18.27	18.70	1.104				-0.06	0.147	0.162
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	132322	1745	Battery 1	Sample 2	18.34	18.70	1.086				-0.13	0.127	0.138
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	132322	1745	Battery 1	Sample 3	18.34	18.70	1.086				-0.04	0.154	0.167
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	132322	1745	Battery 1	Sample 4	18.34	18.70	1.086				0.01	0.140	0.152
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	132322	1745	Battery 2	Sample 1	18.34	18.70	1.086				-0.15	0.127	0.138
	LTE Band 66	20M	QPSK	1	0	Front	10mm	Ant 2	DSI 3	132322	1745	Battery 1	Sample 1	17.26	18.70	1.393				0.02	0.031	0.043
	LTE Band 66	20M	QPSK	50	0	Front	10mm	Ant 2	DSI 3	132322	1745	Battery 1	Sample 1	17.21	18.70	1.409				-0.08	0.029	0.041
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 2	DSI 3	132322	1745	Battery 1	Sample 1	17.26	18.70	1.393				-0.06	0.119	0.166
	LTE Band 66	20M	QPSK	50	0	Back	10mm	Ant 2	DSI 3	132322	1745	Battery 1	Sample 1	17.21	18.70	1.409				-0.19	0.080	0.113
	LTE Band 66	20M	QPSK	1	0	Right Edge	10mm	Ant 2	DSI 3	132322	1745	Battery 1	Sample 1	17.26	18.70	1.393				0.08	0.032	0.045
	LTE Band 66	20M	QPSK	50	0	Right Edge	10mm	Ant 2	DSI 3	132322	1745	Battery 1	Sample 1	17.21	18.70	1.409				0.13	0.030	0.042
	LTE Band 66	20M	QPSK	1	0	Bottom Edge	10mm	Ant 2	DSI 3	132322	1745	Battery 1	Sample 1	17.26	18.70	1.393				0.17	0.051	0.071
	LTE Band 66	20M	QPSK	50	0	Bottom Edge	10mm	Ant 2	DSI 3	132322	1745	Battery 1	Sample 1	17.21	18.70	1.409				-0.11	0.049	0.069
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 2	DSI 3	132322	1745	Battery 1	Sample 2	17.26	18.70	1.393				0.18	0.083	0.116
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 2	DSI 3	132322	1745	Battery 1	Sample 3	17.26	18.70	1.393				-0.01	0.064	0.089
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 2	DSI 3	132322	1745	Battery 1	Sample 4	17.26	18.70	1.393				-0.11	0.080	0.111
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 2	DSI 3	132322	1745	Battery 2	Sample 1	17.26	18.70	1.393				-0.09	0.070	0.098
	LTE Band 71	20M	QPSK	1	0	Front	10mm	Ant 8	DSI 3	133297	680.5	Battery 1	Sample 1	23.16	24.40	1.33				0.05	0.117	0.156
	LTE Band 71	20M	QPSK	50	0	Front	10mm	Ant 8	DSI 3	133297	680.5	Battery 1	Sample 1	22.30	24.00	1.479				-0.12	0.086	0.127
	LTE Band 71	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	133297	680.5	Battery 1	Sample 1	23.16	24.40	1.33				-0.14	0.152	0.202
	LTE Band 71	20M	QPSK	50	0	Back	10mm	Ant 8	DSI 3	133297	680.5	Battery 1	Sample 1	22.30	24.00	1.479				0.14	0.117	0.173
44	LTE Band 71	20M	QPSK	1	0	Left Edge	10mm	Ant 8	DSI 3	133297	680.5	Battery 1	Sample 1	23.16	24.40	1.33				-0.02	0.220	0.293
	LTE Band 71	20M	QPSK	50	0	Left Edge	10mm	Ant 8	DSI 3	133297	680.5	Battery 1	Sample 1	22.30	24.00	1.479				0.13	0.151	0.223
	LTE Band 71	20M	QPSK	1	0	Top Edge	10mm	Ant 8	DSI 3	133297	680.5	Battery 1	Sample 1	23.16	24.40	1.33				-0.17	0.075	0.100
	LTE Band 71	20M	QPSK	50	0	Top Edge	10mm	Ant 8	DSI 3	133297	680.5	Battery 1	Sample 1	22.30	24.00	1.479				-0.03	0.057	0.084
	LTE Band 71	20M	QPSK	1	0	Left Edge	10mm	Ant 8	DSI 3	133297	680.5	Battery 1	Sample 2	23.16	24.40	1.33				-0.08	0.164	0.218
	LTE Band 71	20M	QPSK	1	0	Left Edge	10mm	Ant 8	DSI 3	133297	680.5	Battery 1	Sample 3	23.16	24.40	1.33				0.15	0.202	0.269
	LTE Band 71	20M	QPSK	1	0	Left Edge	10mm	Ant 8	DSI 3	133297	680.5	Battery 1	Sample 4	23.16	24.40	1.33				-0.10	0.180	0.239
	LTE Band 71	20M	QPSK	1	0	Left Edge	10mm	Ant 8	DSI 3	133297	680.5	Battery 2	Sample 1	23.16	24.40	1.33				0.18	0.193	0.257
	LTE Band 41	20M	QPSK	1	0	Front	10mm	Ant 1	DSI 3	41490	2680	Battery 1	Sample 1	23.55	25.00	1.396	62.9	1.006		0.11	0.166	0.233
	LTE Band 41	20M	QPSK	50	0	Front	10mm	Ant 1	DSI 3	41490	2680	Battery 1	Sample 1	22.61	24.00	1.377	62.9	1.006		0.14	0.132	0.183
	LTE Band 41	20M	QPSK	1	0	Back	10mm	Ant 1	DSI 3	41490	2680	Battery 1	Sample 1	23.55	25.00	1.396	62.9	1.006		0.07	0.225	0.316
	LTE Band 41	20M	QPSK	50	0	Back	10mm	Ant 1	DSI 3	41490	2680	Battery 1	Sample 1	22.61	24.00	1.377	62.9	1.006		0.02	0.176	0.244
45	LTE Band 41	20M	QPSK	1	0	Left Edge	10mm	Ant 1	DSI 3	41490	2680	Battery 1	Sample 1	23.55	25.00	1.396	62.9	1.006		0.08	0.342	0.480
	LTE Band 41	20M	QPSK	50	0	Left Edge	10mm	Ant 1	DSI 3	41490	2680	Battery 1	Sample 1	22.61	24.00	1.377	62.9	1.006		-0.19	0.242	0.335
	LTE Band 38C	20M+20M	QPSK	1	0	Left Edge	10mm	Ant 1	DSI 3	37901+38099	2585.1+2604.9	Battery 1	Sample 1	23.44	25.00	1.432	62.9	1.006		0.06	0.256	0.369
	LTE Band 41C	20M+20M	QPSK	1	99	Left Edge	10mm	Ant 1	DSI 3	40620+40818	2593+2612.8	Battery 1	Sample 1	23.47	25.00	1.422	62.9	1.006		-0.09	0.277	0.396
	LTE Band 41	20M	QPSK	1	0	Left Edge	10mm	Ant 1	DSI 3	41490	2680	Battery 1	Sample 2	23.55	25.00	1.396	62.9	1.006		0.11	0.337	0.473
	LTE Band 41	20M	QPSK	1	0	Left Edge	10mm	Ant 1	DSI 3	41490	2680	Battery 1	Sample 3	23.55	25.00	1.396	62.9	1.006		-0.13	0.316	0.444
	LTE Band 41	20M	QPSK	1	0	Left Edge	10mm	Ant 1	DSI 3	41490	2680	Battery 1	Sample 4	23.55	25.00	1.396	62.9	1.006		0.10	0.325	0.456
	LTE Band 41	20M	QPSK	1	0	Left Edge	10mm	Ant 1	DSI 3	41490	2680	Battery 2	Sample 3	23.55	25.00	1.396	62.9	1.006		-0.10	0.340	0.477
	LTE Band 42	20M	QPSK	1	0	Front	10mm	Ant 9	DSI 3	42190	3460	Battery 1	Sample 1	17.26	17.30	1.009	62.9	1.006		-0.14	0.053	0.054
	LTE Band 42	20M	QPSK	50	0	Front	10mm	Ant 9	DSI 3	42190	3460	Battery 1	Sample 1	16.08	16.30	1.052	62.9	1.006		-0.01	0.042	0.044
46	LTE Band 42	20M	QPSK	1	0	Back	10mm	Ant 9	DSI 3	42190	3460	Battery 1	Sample 1	17.26	17.30	1.009	62.9	1.006		-0.10	0.118	0.120
	LTE Band 42	20M	QPSK	50	0	Back	10mm	Ant 9	DSI 3	42190	3460	Battery 1	Sample 1	16.08	16.30	1.052	62.9	1.006		-0.05	0.098	0.104
	LTE Band 42	20M	QPSK	1	0	Left Edge	10mm	Ant 9	DSI 3	42190	3460	Battery 1	Sample 1	17.26	17.30	1.009	62.9	1.006		0.09	0.082	0.083
	LTE Band 42	20M	QPSK	50	0	Left Edge	10mm	Ant 9	DSI 3	42190	3460	Battery 1	Sample 1	16.08	16.30	1.052	62.9	1.006		0.05	0.067	0.071
	LTE Band 42	20M	QPSK	1	0	Back	10mm	Ant 9	DSI 3	42190	3460	Battery 1	Sample 2	17.26	17.30	1.009	62.9	1.006		-0.09	0.024	0.024
	LTE Band 42	20M	QPSK	1	0	Back	10mm	Ant 9	DSI 3	42190	3460	Battery 1	Sample 3	17.26	17.30	1.009	62.9	1.006		-0.06	0.023	0.023
	LTE Band 42	20M	QPSK	1	0	Back	10mm	Ant 9	DSI 3	42190	3460	Battery 1	Sample 4	17.26	17.30	1.009	62.9	1.006		-0.07	0.021	0.021
	LTE Band 42	20M	QPSK	1	0	Back	10mm	Ant 9	DSI 3	42190	3460	Battery 2										



FCC SAR TEST REPORT

Report No. : FA5N2836B

	LTE Band 42	20M	QPSK	1	0	Back	10mm	Ant 9	DSI 3	43340	3575	Battery 1	Sample 4	17.07	17.30	1.054	62.9	1.006	0.04	0.028	0.030
	LTE Band 42	20M	QPSK	1	0	Back	10mm	Ant 9	DSI 3	43340	3575	Battery 2	Sample 1	17.07	17.30	1.054	62.9	1.006	-0.05	0.108	0.115
	LTE Band 43	20M	QPSK	1	0	Front	10mm	Ant 9	DSI 3	44090	3650	Battery 1	Sample 1	14.77	14.80	1.007	62.9	1.006	-0.13	0.010	0.010
	LTE Band 43	20M	QPSK	50	0	Front	10mm	Ant 9	DSI 3	44090	3650	Battery 1	Sample 1	13.63	13.80	1.04	62.9	1.006	0.09	0.009	0.009
	LTE Band 43	20M	QPSK	1	0	Back	10mm	Ant 9	DSI 3	44090	3650	Battery 1	Sample 1	14.77	14.80	1.007	62.9	1.006	-0.14	0.084	0.085
	LTE Band 43	20M	QPSK	50	0	Back	10mm	Ant 9	DSI 3	44090	3650	Battery 1	Sample 1	13.63	13.80	1.04	62.9	1.006	-0.10	0.069	0.072
	LTE Band 43	20M	QPSK	1	0	Left Edge	10mm	Ant 9	DSI 3	44090	3650	Battery 1	Sample 1	14.77	14.80	1.007	62.9	1.006	0.01	0.036	0.036
	LTE Band 43	20M	QPSK	50	0	Left Edge	10mm	Ant 9	DSI 3	44090	3650	Battery 1	Sample 1	13.63	13.80	1.04	62.9	1.006	-0.10	0.030	0.031
	LTE Band 43	20M	QPSK	1	0	Back	10mm	Ant 9	DSI 3	44090	3650	Battery 1	Sample 2	14.77	14.80	1.007	62.9	1.006	0.12	0.056	0.057
	LTE Band 43	20M	QPSK	1	0	Back	10mm	Ant 9	DSI 3	44090	3650	Battery 1	Sample 3	14.77	14.80	1.007	62.9	1.006	-0.08	0.014	0.014
	LTE Band 43	20M	QPSK	1	0	Back	10mm	Ant 9	DSI 3	44090	3650	Battery 1	Sample 4	14.77	14.80	1.007	62.9	1.006	-0.12	0.012	0.012
	LTE Band 43	20M	QPSK	1	0	Back	10mm	Ant 9	DSI 3	44090	3650	Battery 2	Sample 1	14.77	14.80	1.007	62.9	1.006	0.18	0.071	0.072
	LTE Band 43	20M	QPSK	1	0	Front	10mm	Ant 9	DSI 3	45090	3750	Battery 1	Sample 1	14.80	14.80	1.0	62.9	1.006	-0.08	0.012	0.012
	LTE Band 43	20M	QPSK	50	0	Front	10mm	Ant 9	DSI 3	45090	3750	Battery 1	Sample 1	13.68	13.80	1.028	62.9	1.006	-0.10	0.010	0.010
	LTE Band 43	20M	QPSK	1	0	Back	10mm	Ant 9	DSI 3	45090	3750	Battery 1	Sample 1	14.80	14.80	1.0	62.9	1.006	0.07	0.124	0.125
	LTE Band 43	20M	QPSK	50	0	Back	10mm	Ant 9	DSI 3	45090	3750	Battery 1	Sample 1	13.68	13.80	1.028	62.9	1.006	-0.01	0.098	0.101
	LTE Band 43	20M	QPSK	1	0	Left Edge	10mm	Ant 9	DSI 3	45090	3750	Battery 1	Sample 1	14.80	14.80	1.0	62.9	1.006	0.14	0.052	0.052
	LTE Band 43	20M	QPSK	50	0	Left Edge	10mm	Ant 9	DSI 3	45090	3750	Battery 1	Sample 1	13.68	13.80	1.028	62.9	1.006	-0.11	0.041	0.042
	LTE Band 43	20M	QPSK	1	0	Back	10mm	Ant 9	DSI 3	45090	3750	Battery 1	Sample 2	14.80	14.80	1.0	62.9	1.006	-0.13	0.081	0.081
	LTE Band 43	20M	QPSK	1	0	Back	10mm	Ant 9	DSI 3	45090	3750	Battery 1	Sample 3	14.80	14.80	1.0	62.9	1.006	0.15	0.017	0.017
	LTE Band 43	20M	QPSK	1	0	Back	10mm	Ant 9	DSI 3	45090	3750	Battery 1	Sample 4	14.80	14.80	1.0	62.9	1.006	-0.10	0.015	0.015
	LTE Band 43	20M	QPSK	1	0	Back	10mm	Ant 9	DSI 3	45090	3750	Battery 2	Sample 1	14.80	14.80	1.0	62.9	1.006	0.03	0.116	0.117
47	LTE Band 43	20M	QPSK	1	0	Back	25mm	Ant 9	DSI 0	45090	3750	Battery 1	Sample 1	23.19	25.00	1.517	62.9	1.006	-0.17	0.326	0.498

【FR1 SAR】

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Battery	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n2	20M	BPSK	1	1	Front	10mm	Ant 2	DSI 3	376000	1880	Battery 1	Sample 1	20.54	21.30	1.191	-0.09	0.001	0.001
	FR1 n2	20M	BPSK	50	28	Front	10mm	Ant 2	DSI 3	376000	1880	Battery 1	Sample 1	20.32	21.30	1.253	0.02	0.001	0.001
48	FR1 n2	20M	BPSK	1	1	Back	10mm	Ant 2	DSI 3	376000	1880	Battery 1	Sample 1	20.54	21.30	1.191	-0.10	0.187	0.223
	FR1 n2	20M	BPSK	50	28	Back	10mm	Ant 2	DSI 3	376000	1880	Battery 1	Sample 1	20.32	21.30	1.253	0.12	0.142	0.178
	FR1 n2	20M	BPSK	1	1	Right Edge	10mm	Ant 2	DSI 3	376000	1880	Battery 1	Sample 1	20.54	21.30	1.191	-0.01	0.001	0.001
	FR1 n2	20M	BPSK	50	28	Right Edge	10mm	Ant 2	DSI 3	376000	1880	Battery 1	Sample 1	20.32	21.30	1.253	-0.05	0.001	0.001
	FR1 n2	20M	BPSK	1	1	Bottom Edge	10mm	Ant 2	DSI 3	376000	1880	Battery 1	Sample 1	20.54	21.30	1.191	-0.06	0.061	0.073
	FR1 n2	20M	BPSK	50	28	Bottom Edge	10mm	Ant 2	DSI 3	376000	1880	Battery 1	Sample 1	20.32	21.30	1.253	0.10	0.059	0.074
	FR1 n2	20M	BPSK	1	1	Back	10mm	Ant 2	DSI 3	376000	1880	Battery 1	Sample 2	20.54	21.30	1.191	0.16	0.155	0.185
	FR1 n2	20M	BPSK	1	1	Back	10mm	Ant 2	DSI 3	376000	1880	Battery 1	Sample 3	20.54	21.30	1.191	0.09	0.090	0.107
	FR1 n2	20M	BPSK	1	1	Back	10mm	Ant 2	DSI 3	376000	1880	Battery 1	Sample 4	20.54	21.30	1.191	0.08	0.155	0.185
	FR1 n2	20M	BPSK	1	1	Back	10mm	Ant 2	DSI 3	376000	1880	Battery 2	Sample 1	20.54	21.30	1.191	0.09	0.102	0.121
	FR1 n7	40M	BPSK	1	1	Front	10mm	Ant 1	DSI 3	507000	2535	Battery 1	Sample 1	21.74	22.00	1.062	-0.01	0.176	0.187
	FR1 n7	40M	BPSK	108	54	Front	10mm	Ant 1	DSI 3	507000	2535	Battery 1	Sample 1	21.66	22.00	1.081	0.15	0.172	0.186
	FR1 n7	40M	BPSK	1	1	Back	10mm	Ant 1	DSI 3	507000	2535	Battery 1	Sample 1	21.74	22.00	1.062	0.06	0.211	0.224
	FR1 n7	40M	BPSK	108	54	Back	10mm	Ant 1	DSI 3	507000	2535	Battery 1	Sample 1	21.66	22.00	1.081	0.01	0.206	0.223
49	FR1 n7	40M	BPSK	1	1	Left Edge	10mm	Ant 1	DSI 3	507000	2535	Battery 1	Sample 1	21.74	22.00	1.062	-0.03	0.359	0.381
	FR1 n7	40M	BPSK	108	54	Left Edge	10mm	Ant 1	DSI 3	507000	2535	Battery 1	Sample 1	21.66	22.00	1.081	0.17	0.284	0.307
	FR1 n7	40M	BPSK	1	1	Left Edge	10mm	Ant 1	DSI 3	507000	2535	Battery 1	Sample 2	21.74	22.00	1.062	-0.18	0.339	0.360
	FR1 n7	40M	BPSK	1	1	Left Edge	10mm	Ant 1	DSI 3	507000	2535	Battery 1	Sample 3	21.74	22.00	1.062	-0.03	0.295	0.313
	FR1 n7	40M	BPSK	1	1	Left Edge	10mm	Ant 1	DSI 3	507000	2535	Battery 1	Sample 4	21.74	22.00	1.062	-0.09	0.354	0.376
	FR1 n7	40M	BPSK	1	1	Left Edge	10mm	Ant 1	DSI 3	507000	2535	Battery 2	Sample 1	21.74	22.00	1.062	0.17	0.327	0.347
	FR1 n12	15M	BPSK	1	1	Front	10mm	Ant 8	DSI 3	141500	707.5	Battery 1	Sample 1	21.77	22.50	1.183	0.12	0.100	0.118
	FR1 n12	15M	BPSK	36	22	Front	10mm	Ant 8	DSI 3	141500	707.5	Battery 1	Sample 1	21.65	22.50	1.216	0.06	0.096	0.117
	FR1 n12	15M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	141500	707.5	Battery 1	Sample 1	21.77	22.50	1.183	0.10	0.116	0.137
	FR1 n12	15M	BPSK	36	22	Back	10mm	Ant 8	DSI 3	141500	707.5	Battery 1	Sample 1	21.65	22.50	1.216	-0.12	0.112	0.136
50	FR1 n12	15M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	141500	707.5	Battery 1	Sample 1	21.77	22.50	1.183	-0.04	0.189	0.224
	FR1 n12	15M	BPSK	36	22	Left Edge	10mm	Ant 8	DSI 3	141500	707.5	Battery 1	Sample 1	21.65	22.50	1.216	-0.09	0.133	0.162
	FR1 n12	15M	BPSK	1	1	Top Edge	10mm	Ant 8	DSI 3	141500	707.5	Battery 1	Sample 1	21.77	22.50	1.183	0.15	0.070	0.083
	FR1 n12	15M	BPSK	36	22	Top Edge	10mm	Ant 8	DSI 3	141500	707.5	Battery 1	Sample 1	21.65	22.50	1.216	-0.09	0.068	0.083
	FR1 n12	15M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	141500	707.5	Battery 1	Sample 2	21.77	22.50	1.183	-0.12	0.146	0.173
	FR1 n12	15M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	141500	707.5	Battery 1	Sample 3	21.77	22.50	1.183	-0.15	0.174	0.206
	FR1 n12	15M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	141500	707.5	Battery 1	Sample 4	21.77	22.50	1.183	0.09	0.168	0.199
	FR1 n12	15M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	141500	707.5	Battery 2	Sample 1	21.77	22.50	1.183	0.05	0.136	0.161
	FR1 n25	30M	BPSK	1	1	Front	10mm	Ant 8	DSI 3	376500	1882.5	Battery 1	Sample 1	17.42	18.20	1.197	-0.02	0.031	0.037
	FR1 n25	30M	BPSK	80	40	Front	10mm	Ant 8	DSI 3	376500	1882.5	Battery 1	Sample 1	17.20	18.20	1.259	-0.17	0.030	0.038
51	FR1 n25	30M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	376500	1882.5	Battery 1	Sample 1	17.42	18.20	1.197	-0.03	0.150	0.180
	FR1 n25	30M	BPSK	80	40	Back	10mm	Ant 8	DSI 3	376500	1882.5	Battery 1	Sample 1	17.20	18.20	1.259	-0.03	0.106	0.133
	FR1 n25	30M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	376500	1882.5	Battery 1	Sample 1	17.42	18.20	1.197	0.11	0.060	0.072
	FR1 n25	30M	BPSK	80	40	Left Edge	10mm	Ant 8	DSI 3	376500	1882.5	Battery 1	Sample 1	17.20	18.20	1.259	-0.02	0.060	0.076
	FR1 n25	30M	BPSK	1	1	Top Edge	10mm	Ant 8	DSI 3	376500	1882.5	Battery 1	Sample 1	17.42	18.20	1.197	0.01	0.049	0.059
	FR1 n25	30M	BPSK	80	40	Top Edge	10mm	Ant 8	DSI 3	376500	1882.5	Battery 1	Sample 1	17.20	18.20	1.259	0.16	0.048	0.060
	FR1 n25	30M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	376500	1882.5	Battery 1	Sample 2	17.42	18.20	1.197	0.18	0.099	0.119



FCC SAR TEST REPORT

Report No. : FA5N2836B

	FR1 n25	30M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	376500	1882.5	Battery 1	Sample 3	17.42	18.20	1.197	-0.12	0.107	0.128
	FR1 n25	30M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	376500	1882.5	Battery 1	Sample 4	17.42	18.20	1.197	0.06	0.107	0.128
	FR1 n25	30M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	376500	1882.5	Battery 2	Sample 1	17.42	18.20	1.197	-0.15	0.145	0.174
	FR1 n26	20M	BPSK	1	1	Front	10mm	Ant 8	DSI 3	166300	831.5	Battery 1	Sample 1	20.00	20.60	1.148	0.16	0.077	0.088
	FR1 n26	20M	BPSK	50	28	Front	10mm	Ant 8	DSI 3	166300	831.5	Battery 1	Sample 1	19.90	20.60	1.175	-0.04	0.072	0.085
52	FR1 n26	20M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	166300	831.5	Battery 1	Sample 1	20.00	20.60	1.148	0.10	0.142	0.163
	FR1 n26	20M	BPSK	50	28	Back	10mm	Ant 8	DSI 3	166300	831.5	Battery 1	Sample 1	19.90	20.60	1.175	-0.01	0.135	0.159
	FR1 n26	20M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	166300	831.5	Battery 1	Sample 1	20.00	20.60	1.148	-0.08	0.051	0.059
	FR1 n26	20M	BPSK	50	28	Left Edge	10mm	Ant 8	DSI 3	166300	831.5	Battery 1	Sample 1	19.90	20.60	1.175	0.01	0.049	0.058
	FR1 n26	20M	BPSK	1	1	Top Edge	10mm	Ant 8	DSI 3	166300	831.5	Battery 1	Sample 1	20.00	20.60	1.148	0.16	0.097	0.111
	FR1 n26	20M	BPSK	50	28	Top Edge	10mm	Ant 8	DSI 3	166300	831.5	Battery 1	Sample 1	19.90	20.60	1.175	-0.11	0.095	0.112
	FR1 n26	20M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	166300	831.5	Battery 1	Sample 2	20.00	20.60	1.148	-0.08	0.122	0.140
	FR1 n26	20M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	166300	831.5	Battery 1	Sample 3	20.00	20.60	1.148	-0.11	0.138	0.158
	FR1 n26	20M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	166300	831.5	Battery 1	Sample 4	20.00	20.60	1.148	-0.10	0.137	0.157
	FR1 n26	20M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	166300	831.5	Battery 2	Sample 1	20.00	20.60	1.148	-0.13	0.137	0.157
	FR1 n66	40M	BPSK	1	1	Front	10mm	Ant 8	DSI 3	349000	1745	Battery 1	Sample 1	18.56	19.00	1.107	-0.13	0.040	0.044
	FR1 n66	40M	BPSK	108	54	Front	10mm	Ant 8	DSI 3	349000	1745	Battery 1	Sample 1	18.26	19.00	1.186	0.11	0.038	0.045
53	FR1 n66	40M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	349000	1745	Battery 1	Sample 1	18.56	19.00	1.107	0.08	0.178	0.197
	FR1 n66	40M	BPSK	108	54	Back	10mm	Ant 8	DSI 3	349000	1745	Battery 1	Sample 1	18.26	19.00	1.186	0.17	0.144	0.171
	FR1 n66	40M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	349000	1745	Battery 1	Sample 1	18.56	19.00	1.107	-0.06	0.130	0.144
	FR1 n66	40M	BPSK	108	54	Left Edge	10mm	Ant 8	DSI 3	349000	1745	Battery 1	Sample 1	18.26	19.00	1.186	0.10	0.127	0.151
	FR1 n66	40M	BPSK	1	1	Top Edge	10mm	Ant 8	DSI 3	349000	1745	Battery 1	Sample 1	18.56	19.00	1.107	-0.08	0.054	0.060
	FR1 n66	40M	BPSK	108	54	Top Edge	10mm	Ant 8	DSI 3	349000	1745	Battery 1	Sample 1	18.26	19.00	1.186	0.09	0.051	0.060
	FR1 n66	40M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	349000	1745	Battery 1	Sample 2	18.56	19.00	1.107	0.04	0.147	0.163
	FR1 n66	40M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	349000	1745	Battery 1	Sample 3	18.56	19.00	1.107	0.08	0.146	0.162
	FR1 n66	40M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	349000	1745	Battery 1	Sample 4	18.56	19.00	1.107	-0.09	0.173	0.192
	FR1 n66	40M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	349000	1745	Battery 2	Sample 1	18.56	19.00	1.107	-0.06	0.166	0.184
	FR1 n66	40M	BPSK	1	1	Front	10mm	Ant 2	DSI 3	349000	1745	Battery 1	Sample 1	18.33	18.90	1.14	-0.12	0.051	0.058
	FR1 n66	40M	BPSK	108	54	Front	10mm	Ant 2	DSI 3	349000	1745	Battery 1	Sample 1	18.27	18.90	1.156	-0.01	0.048	0.055
	FR1 n66	40M	BPSK	1	1	Back	10mm	Ant 2	DSI 3	349000	1745	Battery 1	Sample 1	18.33	18.90	1.14	0.02	0.172	0.196
	FR1 n66	40M	BPSK	108	54	Back	10mm	Ant 2	DSI 3	349000	1745	Battery 1	Sample 1	18.27	18.90	1.156	-0.16	0.121	0.140
	FR1 n66	40M	BPSK	1	1	Right Edge	10mm	Ant 2	DSI 3	349000	1745	Battery 1	Sample 1	18.33	18.90	1.14	-0.03	0.037	0.042
	FR1 n66	40M	BPSK	108	54	Right Edge	10mm	Ant 2	DSI 3	349000	1745	Battery 1	Sample 1	18.27	18.90	1.156	0.07	0.034	0.039
	FR1 n66	40M	BPSK	1	1	Bottom Edge	10mm	Ant 2	DSI 3	349000	1745	Battery 1	Sample 1	18.33	18.90	1.14	-0.04	0.079	0.090
	FR1 n66	40M	BPSK	108	54	Bottom Edge	10mm	Ant 2	DSI 3	349000	1745	Battery 1	Sample 1	18.27	18.90	1.156	-0.09	0.073	0.084
	FR1 n66	40M	BPSK	1	1	Back	10mm	Ant 2	DSI 3	349000	1745	Battery 1	Sample 2	18.33	18.90	1.14	-0.18	0.129	0.147
	FR1 n66	40M	BPSK	1	1	Back	10mm	Ant 2	DSI 3	349000	1745	Battery 1	Sample 3	18.33	18.90	1.14	-0.17	0.111	0.127
	FR1 n66	40M	BPSK	1	1	Back	10mm	Ant 2	DSI 3	349000	1745	Battery 1	Sample 4	18.33	18.90	1.14	0.07	0.121	0.138
	FR1 n66	40M	BPSK	1	1	Back	10mm	Ant 2	DSI 3	349000	1745	Battery 2	Sample 1	18.33	18.90	1.14	-0.15	0.102	0.116
	FR1 n71	20M	BPSK	1	1	Front	10mm	Ant 8	DSI 3	136100	680.5	Battery 1	Sample 1	23.82	24.20	1.091	0.02	0.087	0.095
	FR1 n71	20M	BPSK	50	28	Front	10mm	Ant 8	DSI 3	136100	680.5	Battery 1	Sample 1	23.76	24.20	1.107	0.02	0.080	0.089
54	FR1 n71	20M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	136100	680.5	Battery 1	Sample 1	23.82	24.20	1.091	-0.06	0.181	0.197
	FR1 n71	20M	BPSK	50	28	Back	10mm	Ant 8	DSI 3	136100	680.5	Battery 1	Sample 1	23.76	24.20	1.107	0.00	0.111	0.123
	FR1 n71	20M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	136100	680.5	Battery 1	Sample 1	23.82	24.20	1.091	0.04	0.110	0.120
	FR1 n71	20M	BPSK	50	28	Left Edge	10mm	Ant 8	DSI 3	136100	680.5	Battery 1	Sample 1	23.76	24.20	1.107	-0.04	0.103	0.114
	FR1 n71	20M	BPSK	1	1	Top Edge	10mm	Ant 8	DSI 3	136100	680.5	Battery 1	Sample 1	23.82	24.20	1.091	-0.05	0.061	0.067
	FR1 n71	20M	BPSK	50	28	Top Edge	10mm	Ant 8	DSI 3	136100	680.5	Battery 1	Sample 1	23.76	24.20	1.107	0.16	0.054	0.060
	FR1 n71	20M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	136100	680.5	Battery 1	Sample 2	23.82	24.20	1.091	0.06	0.135	0.147
	FR1 n71	20M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	136100	680.5	Battery 1	Sample 3	23.82	24.20	1.091	0.13	0.156	0.170
	FR1 n71	20M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	136100	680.5	Battery 1	Sample 4	23.82	24.20	1.091	0.17	0.133	0.145
	FR1 n71	20M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	136100	680.5	Battery 2	Sample 1	23.82	24.20	1.091	0.13	0.125	0.136
	FR1 n41	100M	BPSK	1	1	Front	10mm	Ant 1	DSI 3	518598	2592.99	Battery 1	Sample 1	21.36	21.80	1.107	-0.15	0.142	0.157
	FR1 n41	100M	BPSK	135	69	Front	10mm	Ant 1	DSI 3	518598	2592.99	Battery 1	Sample 1	21.13	21.80	1.167	-0.19	0.133	0.155
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 1	DSI 3	518598	2592.99	Battery 1	Sample 1	21.36	21.80	1.107	-0.15	0.188	0.208
	FR1 n41	100M	BPSK	135	69	Back	10mm	Ant 1	DSI 3	518598	2592.99	Battery 1	Sample 1	21.13	21.80	1.167	-0.02	0.176	0.205
55	FR1 n41	100M	BPSK	1	1	Left Edge	10mm	Ant 1	DSI 3	518598	2592.99	Battery 1	Sample 1	21.36	21.80	1.107	-0.03	0.332	0.368
	FR1 n41	100M	BPSK	135	69	Left Edge	10mm	Ant 1	DSI 3	518598	2592.99	Battery 1	Sample 1	21.13	21.80	1.167	-0.14	0.294	0.343
	FR1 n41_HPUE	100M	BPSK	1	1	Left Edge	10mm	Ant 1	DSI 3	518598	2592.99	Battery 1	Sample 1	24.39	24.80	1.099	0.13	0.308	0.338
	FR1 n41	100M	BPSK	1	1	Left Edge	10mm	Ant 1	DSI 3	518598	2592.99	Battery 1	Sample 2	21.36	21.80	1.107	0.13	0.314	0.348
	FR1 n41	100M	BPSK	1	1	Left Edge	10mm	Ant 1	DSI 3	518598	2592.99	Battery 1	Sample 3	21.36	21.80	1.107	-0.15	0.276	0.306
	FR1 n41	100M	BPSK	1	1	Left Edge	10mm	Ant 1	DSI 3	518598	2592.99	Battery 1	Sample 4	21.36	21.80	1.107	-0.12	0.275	0.304
	FR1 n41	100M	BPSK	1	1	Left Edge	10mm	Ant 1	DSI 3	518598	2592.99	Battery 2	Sample 1	21.36	21.80	1.107	0.14	0.270	0.299
	FR1 n41	100M	BPSK	1	1	Front	10mm	Ant 3	DSI 3	518598	2592.99	Battery 1	Sample 1	16.41	16.50	1.021	0.09	0.001	0.001
	FR1 n41	100M	BPSK	135	69	Front	10mm	Ant 3	DSI 3	518598	2592.99	Battery 1	Sample 1	16.39	16.50	1.026	0.16	0.001	0.001
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	518598	2592.99	Battery 1	Sample 1	16.41	16.50	1.021	-0.02	0.108	0.110
	FR1 n41	100M	BPSK	135	69	Back	10mm	Ant 3	DSI 3	518598	2592.99	Battery 1	Sample 1	16.39	16.50	1.026	-0.13	0.103	0.106
	FR1 n41	100M	BPSK	1	1	Right Edge	10mm	Ant 3	DSI 3	518598	2592.99	Battery 1	Sample 1	16.41	16.50	1.021	-0.10	0.075	0.077
	FR1 n41	100M	BPSK	135	69	Right Edge	10mm	Ant 3	DSI 3	518598	2592.99	Battery 1	Sample 1	16.39	16.50	1.026	-0.01	0.073	0.075
	FR1 n41_HPUE	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	518598	2592.99	Battery 1	Sample 1	19.43	19.50	1.016	-0.09	0.097	0.099
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	518598	2592.99	Battery 1	Sample 2	16.41	16.50	1.021	0.14	0.049	0.050
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3										



FCC SAR TEST REPORT

Report No. : FA5N2836B

	FR1 n41	100M	BPSK	1	1	Front	10mm	Ant 4	DSI 3	518598	2592.99	Battery 1	Sample 1	18.80	18.90	1.023	-0.18	0.099	0.101
	FR1 n41	100M	BPSK	135	69	Front	10mm	Ant 4	DSI 3	518598	2592.99	Battery 1	Sample 1	18.72	18.90	1.042	0.12	0.096	0.100
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	518598	2592.99	Battery 1	Sample 1	18.80	18.90	1.023	-0.09	0.323	0.330
	FR1 n41	100M	BPSK	135	69	Back	10mm	Ant 4	DSI 3	518598	2592.99	Battery 1	Sample 1	18.72	18.90	1.042	0.08	0.265	0.276
	FR1 n41	100M	BPSK	1	1	Left Edge	10mm	Ant 4	DSI 3	518598	2592.99	Battery 1	Sample 1	18.80	18.90	1.023	-0.03	0.143	0.146
	FR1 n41	100M	BPSK	135	69	Left Edge	10mm	Ant 4	DSI 3	518598	2592.99	Battery 1	Sample 1	18.72	18.90	1.042	-0.07	0.139	0.145
	FR1 n41_HPUE	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	518598	2592.99	Battery 1	Sample 1	21.67	21.90	1.054	0.00	0.299	0.315
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	518598	2592.99	Battery 1	Sample 2	18.80	18.90	1.023	-0.07	0.129	0.132
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	518598	2592.99	Battery 1	Sample 2	18.80	18.90	1.023	-0.11	0.070	0.072
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	518598	2592.99	Battery 1	Sample 2	18.80	18.90	1.023	-0.09	0.067	0.069
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	518598	2592.99	Battery 2	Sample 1	18.80	18.90	1.023	-0.07	0.175	0.179
	FR1 n41	100M	BPSK	1	1	Front	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 1	17.03	18.00	1.25	-0.06	0.050	0.063
	FR1 n41	100M	BPSK	135	69	Front	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 1	16.86	18.00	1.3	0.15	0.045	0.058
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 1	17.03	18.00	1.25	-0.02	0.157	0.196
	FR1 n41	100M	BPSK	135	69	Back	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 1	16.86	18.00	1.3	0.03	0.123	0.160
	FR1 n41	100M	BPSK	1	1	Left Edge	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 1	17.03	18.00	1.25	-0.10	0.078	0.098
	FR1 n41	100M	BPSK	135	69	Left Edge	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 1	16.86	18.00	1.3	0.11	0.074	0.096
	FR1 n41	100M	BPSK	1	1	Bottom Edge	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 1	17.03	18.00	1.25	-0.14	0.058	0.073
	FR1 n41	100M	BPSK	135	69	Bottom Edge	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 1	16.86	18.00	1.3	0.10	0.055	0.072
	FR1 n41_HPUE	100M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 1	19.99	21.00	1.262	0.10	0.143	0.180
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 2	17.03	18.00	1.25	0.07	0.148	0.185
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 2	17.03	18.00	1.25	0.04	0.122	0.153
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 2	17.03	18.00	1.25	0.00	0.128	0.160
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	518598	2592.99	Battery 2	Sample 1	17.03	18.00	1.25	-0.05	0.087	0.109
	FR1 n77	100M	BPSK	1	1	Front	10mm	Ant 9	DSI 3	633332	3499.98	Battery 1	Sample 1	12.62	12.80	1.042	-0.06	0.026	0.027
	FR1 n77	100M	BPSK	135	69	Front	10mm	Ant 9	DSI 3	633332	3499.98	Battery 1	Sample 1	12.50	12.80	1.072	-0.12	0.025	0.027
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 9	DSI 3	633332	3499.98	Battery 1	Sample 1	12.62	12.80	1.042	-0.01	0.057	0.059
	FR1 n77	100M	BPSK	135	69	Back	10mm	Ant 9	DSI 3	633332	3499.98	Battery 1	Sample 1	12.50	12.80	1.072	-0.17	0.053	0.057
	FR1 n77	100M	BPSK	1	1	Left Edge	10mm	Ant 9	DSI 3	633332	3499.98	Battery 1	Sample 1	12.62	12.80	1.042	0.18	0.048	0.050
	FR1 n77	100M	BPSK	135	69	Left Edge	10mm	Ant 9	DSI 3	633332	3499.98	Battery 1	Sample 1	12.50	12.80	1.072	-0.04	0.046	0.049
	FR1 n77_HPUE	100M	BPSK	1	1	Back	10mm	Ant 9	DSI 3	633332	3499.98	Battery 1	Sample 1	15.80	15.80	1.0	0.06	0.053	0.053
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 9	DSI 3	633332	3499.98	Battery 1	Sample 2	12.62	12.80	1.042	-0.19	0.056	0.058
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 9	DSI 3	633332	3499.98	Battery 1	Sample 3	12.62	12.80	1.042	0.04	0.022	0.023
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 9	DSI 3	633332	3499.98	Battery 1	Sample 4	12.62	12.80	1.042	0.03	0.019	0.020
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 9	DSI 3	633332	3499.98	Battery 2	Sample 1	12.62	12.80	1.042	-0.15	0.050	0.052
	FR1 n77	100M	BPSK	1	1	Front	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 1	17.29	18.30	1.262	-0.01	0.104	0.131
	FR1 n77	100M	BPSK	135	0	Front	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 1	16.98	18.30	1.355	0.05	0.091	0.123
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 1	17.29	18.30	1.262	0.13	0.106	0.134
	FR1 n77	100M	BPSK	135	0	Back	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 1	16.98	18.30	1.355	0.07	0.094	0.127
	FR1 n77	100M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 1	17.29	18.30	1.262	0.11	0.110	0.139
	FR1 n77	100M	BPSK	135	0	Left Edge	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 1	16.98	18.30	1.355	0.11	0.101	0.137
	FR1 n77	100M	BPSK	1	1	Top Edge	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 1	17.29	18.30	1.262	0.07	0.155	0.196
	FR1 n77	100M	BPSK	135	0	Top Edge	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 1	16.98	18.30	1.355	0.03	0.111	0.150
	FR1 n77_HPUE	100M	BPSK	1	1	Top Edge	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 1	20.32	21.30	1.253	-0.14	0.143	0.179
	FR1 n77	100M	BPSK	1	1	Top Edge	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 2	17.29	18.30	1.262	-0.11	0.122	0.154
	FR1 n77	100M	BPSK	1	1	Top Edge	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 3	17.29	18.30	1.262	0.14	0.134	0.169
	FR1 n77	100M	BPSK	1	1	Top Edge	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 4	17.29	18.30	1.262	-0.17	0.122	0.154
	FR1 n77	100M	BPSK	1	1	Top Edge	10mm	Ant 8	DSI 3	633332	3499.98	Battery 2	Sample 1	17.29	18.30	1.262	0.19	0.140	0.177
	FR1 n77	100M	BPSK	1	1	Front	10mm	Ant 3	DSI 3	633332	3499.98	Battery 1	Sample 1	13.06	13.10	1.009	0.13	0.019	0.019
	FR1 n77	100M	BPSK	135	0	Front	10mm	Ant 3	DSI 3	633332	3499.98	Battery 1	Sample 1	12.92	13.10	1.042	-0.10	0.018	0.019
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	633332	3499.98	Battery 1	Sample 1	13.06	13.10	1.009	-0.02	0.056	0.057
	FR1 n77	100M	BPSK	135	0	Back	10mm	Ant 3	DSI 3	633332	3499.98	Battery 1	Sample 1	12.92	13.10	1.042	0.01	0.053	0.055
	FR1 n77	100M	BPSK	1	1	Right Edge	10mm	Ant 3	DSI 3	633332	3499.98	Battery 1	Sample 1	13.06	13.10	1.009	0.05	0.037	0.037
	FR1 n77	100M	BPSK	135	0	Right Edge	10mm	Ant 3	DSI 3	633332	3499.98	Battery 1	Sample 1	12.92	13.10	1.042	-0.03	0.036	0.038
	FR1 n77_HPUE	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	633332	3499.98	Battery 1	Sample 1	16.09	16.10	1.002	0.09	0.054	0.054
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	633332	3499.98	Battery 1	Sample 2	13.06	13.10	1.009	-0.02	0.045	0.045
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	633332	3499.98	Battery 1	Sample 3	13.06	13.10	1.009	0.07	0.050	0.050
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	633332	3499.98	Battery 1	Sample 4	13.06	13.10	1.009	0.00	0.046	0.046
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	633332	3499.98	Battery 2	Sample 1	13.06	13.10	1.009	0.01	0.052	0.052
	FR1 n77	100M	BPSK	1	1	Front	10mm	Ant 4	DSI 3	633332	3499.98	Battery 1	Sample 1	14.01	14.70	1.172	-0.01	0.020	0.023
	FR1 n77	100M	BPSK	135	0	Front	10mm	Ant 4	DSI 3	633332	3499.98	Battery 1	Sample 1	13.79	14.70	1.233	-0.03	0.018	0.022
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	633332	3499.98	Battery 1	Sample 1	14.01	14.70	1.172	0.00	0.054	0.063
	FR1 n77	100M	BPSK	135	0	Back	10mm	Ant 4	DSI 3	633332	3499.98	Battery 1	Sample 1	13.79	14.70	1.233	-0.12	0.050	0.062
	FR1 n77	100M	BPSK	1	1	Left Edge	10mm	Ant 4	DSI 3	633332	3499.98	Battery 1	Sample 1	14.01	14.70	1.172	-0.11	0.086	0.101
	FR1 n77	100M	BPSK	135	0	Left Edge	10mm	Ant 4	DSI 3	633332	3499.98	Battery 1	Sample 1	13.79	14.70	1.233	0.08	0.057	0.070
	FR1 n77_HPUE	100M	BPSK	1	1	Left Edge	10mm	Ant 4	DSI 3	633332	3499.98	Battery 1	Sample 1	16.89	17.70	1.205	-0.02	0.076	0.092
	FR1 n77	100M	BPSK	1	1	Left Edge	10mm	Ant 4	DSI 3	633332	3499.98	Battery 1	Sample 2	14.01	14.70	1.172	0.13	0.060	0.070
	FR1 n77	100M	BPSK	1	1	Left Edge	10mm	Ant 4	DSI 3	633332	3499.98	Battery 1	Sample 3	14.01	14.70	1.172	0.05	0.075	0.088
	FR1 n77	100M	BPSK	1	1	Left Edge	10mm	Ant 4	DSI 3	633332	3499.98	Battery 1	Sample 4	14.01	14.70	1.172	0.17	0.029	0.034
	FR1 n77	100M	BPSK	1	1	Left Edge	10mm	Ant 4	DSI 3	633332	3499.98								



FCC SAR TEST REPORT

Report No. : FA5N2836B

	FR1 n77/n78	100M	BPSK	135	0	Back	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 1	12.13	12.80	1.167	0.06	0.055	0.064
	FR1 n77/n78	100M	BPSK	1	1	Left Edge	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 1	12.55	12.80	1.059	-0.05	0.035	0.037
	FR1 n77/n78	100M	BPSK	135	0	Left Edge	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 1	12.13	12.80	1.167	-0.12	0.031	0.036
	FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 2	12.55	12.80	1.059	-0.16	0.046	0.049
	FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 3	12.55	12.80	1.059	0.14	0.016	0.017
	FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 4	12.55	12.80	1.059	-0.06	0.014	0.015
	FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 9	DSI 3	641666	3624.99	Battery 2	Sample 1	12.55	12.80	1.059	-0.04	0.058	0.061
	FR1 n77/n78	100M	BPSK	1	1	Front	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	17.02	18.30	1.343	-0.01	0.110	0.148
	FR1 n77/n78	100M	BPSK	135	69	Front	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	16.82	18.30	1.406	0.03	0.104	0.146
	FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	17.02	18.30	1.343	-0.11	0.062	0.083
	FR1 n77/n78	100M	BPSK	135	69	Back	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	16.82	18.30	1.406	-0.03	0.056	0.079
	FR1 n77/n78	100M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	17.02	18.30	1.343	-0.13	0.144	0.193
	FR1 n77/n78	100M	BPSK	135	69	Left Edge	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	16.82	18.30	1.406	0.16	0.108	0.152
	FR1 n77/n78	100M	BPSK	1	1	Top Edge	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	17.02	18.30	1.343	-0.11	0.088	0.118
	FR1 n77/n78	100M	BPSK	135	69	Top Edge	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	16.82	18.30	1.406	0.05	0.080	0.112
	FR1 n77/n78	100M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 2	17.02	18.30	1.343	0.02	0.074	0.099
	FR1 n77/n78	100M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 3	17.02	18.30	1.343	0.04	0.094	0.126
	FR1 n77/n78	100M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 4	17.02	18.30	1.343	0.07	0.111	0.149
	FR1 n77/n78	100M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	641666	3624.99	Battery 2	Sample 1	17.02	18.30	1.343	-0.09	0.117	0.157
	FR1 n77/n78	100M	BPSK	1	1	Front	10mm	Ant 3	DSI 3	641666	3624.99	Battery 1	Sample 1	12.77	13.10	1.079	-0.11	0.028	0.030
	FR1 n77/n78	100M	BPSK	135	0	Front	10mm	Ant 3	DSI 3	641666	3624.99	Battery 1	Sample 1	12.72	13.10	1.091	-0.13	0.026	0.028
	FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	641666	3624.99	Battery 1	Sample 1	12.77	13.10	1.079	0.01	0.150	0.162
	FR1 n77/n78	100M	BPSK	135	0	Back	10mm	Ant 3	DSI 3	641666	3624.99	Battery 1	Sample 1	12.72	13.10	1.091	0.00	0.052	0.057
	FR1 n77/n78	100M	BPSK	1	1	Right Edge	10mm	Ant 3	DSI 3	641666	3624.99	Battery 1	Sample 1	12.77	13.10	1.079	0.07	0.043	0.046
	FR1 n77/n78	100M	BPSK	135	0	Right Edge	10mm	Ant 3	DSI 3	641666	3624.99	Battery 1	Sample 1	12.72	13.10	1.091	0.16	0.043	0.047
	FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	641666	3624.99	Battery 1	Sample 2	12.77	13.10	1.079	-0.16	0.048	0.052
	FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	641666	3624.99	Battery 1	Sample 3	12.77	13.10	1.079	0.09	0.054	0.058
	FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	641666	3624.99	Battery 1	Sample 4	12.77	13.10	1.079	0.12	0.054	0.058
	FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	641666	3624.99	Battery 2	Sample 3	12.77	13.10	1.079	-0.07	0.110	0.119
	FR1 n77/n78	100M	BPSK	1	1	Front	10mm	Ant 4	DSI 3	641666	3624.99	Battery 1	Sample 1	13.38	14.70	1.355	-0.12	0.007	0.009
	FR1 n77/n78	100M	BPSK	135	69	Front	10mm	Ant 4	DSI 3	641666	3624.99	Battery 1	Sample 1	13.35	14.70	1.365	-0.06	0.006	0.008
	FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	641666	3624.99	Battery 1	Sample 1	13.38	14.70	1.355	-0.16	0.016	0.022
	FR1 n77/n78	100M	BPSK	135	69	Back	10mm	Ant 4	DSI 3	641666	3624.99	Battery 1	Sample 1	13.35	14.70	1.365	0.14	0.016	0.022
	FR1 n77/n78	100M	BPSK	1	1	Left Edge	10mm	Ant 4	DSI 3	641666	3624.99	Battery 1	Sample 1	13.38	14.70	1.355	0.05	0.101	0.137
	FR1 n77/n78	100M	BPSK	135	69	Left Edge	10mm	Ant 4	DSI 3	641666	3624.99	Battery 1	Sample 1	13.35	14.70	1.365	0.15	0.021	0.029
	FR1 n77/n78	100M	BPSK	1	1	Left Edge	10mm	Ant 4	DSI 3	641666	3624.99	Battery 1	Sample 2	13.38	14.70	1.355	-0.13	0.075	0.102
	FR1 n77/n78	100M	BPSK	1	1	Left Edge	10mm	Ant 4	DSI 3	641666	3624.99	Battery 1	Sample 3	13.38	14.70	1.355	0.15	0.083	0.112
	FR1 n77/n78	100M	BPSK	1	1	Left Edge	10mm	Ant 4	DSI 3	641666	3624.99	Battery 1	Sample 4	13.38	14.70	1.355	0.06	0.061	0.083
	FR1 n77/n78	100M	BPSK	1	1	Left Edge	10mm	Ant 4	DSI 3	641666	3624.99	Battery 2	Sample 1	13.38	14.70	1.355	-0.14	0.072	0.098
	FR1 n77	100M	BPSK	1	1	Front	10mm	Ant 9	DSI 3	656000	3840	Battery 1	Sample 1	11.89	12.80	1.233	-0.11	0.018	0.022
	FR1 n77	100M	BPSK	135	69	Front	10mm	Ant 9	DSI 3	656000	3840	Battery 1	Sample 1	11.80	12.80	1.259	-0.04	0.017	0.021
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 9	DSI 3	656000	3840	Battery 1	Sample 1	11.89	12.80	1.233	0.09	0.155	0.191
	FR1 n77	100M	BPSK	135	69	Back	10mm	Ant 9	DSI 3	656000	3840	Battery 1	Sample 1	11.80	12.80	1.259	-0.12	0.147	0.185
	FR1 n77	100M	BPSK	1	1	Left Edge	10mm	Ant 9	DSI 3	656000	3840	Battery 1	Sample 1	11.89	12.80	1.233	0.00	0.078	0.096
	FR1 n77	100M	BPSK	135	69	Left Edge	10mm	Ant 9	DSI 3	656000	3840	Battery 1	Sample 1	11.80	12.80	1.259	0.10	0.075	0.094
	FR1 n77_HPUE	100M	BPSK	1	1	Back	10mm	Ant 9	DSI 3	656000	3840	Battery 1	Sample 1	14.93	15.80	1.222	0.10	0.148	0.181
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 9	DSI 3	656000	3840	Battery 1	Sample 2	11.89	12.80	1.233	0.08	0.080	0.099
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 9	DSI 3	656000	3840	Battery 1	Sample 3	11.89	12.80	1.233	-0.03	0.017	0.021
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 9	DSI 3	656000	3840	Battery 1	Sample 4	11.89	12.80	1.233	-0.11	0.014	0.017
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 9	DSI 3	656000	3840	Battery 2	Sample 1	11.89	12.80	1.233	-0.06	0.150	0.185
56	FR1 n77	100M	BPSK	1	1	Back	25mm	Ant 9	DSI 0	656000	3840	Battery 1	Sample 1	23.69	24.30	1.151	-0.03	1.020	1.174
	FR1 n77	100M	BPSK	1	1	Front	10mm	Ant 8	DSI 3	656000	3840	Battery 1	Sample 1	17.76	18.30	1.132	0.10	0.050	0.057
	FR1 n77	100M	BPSK	135	138	Front	10mm	Ant 8	DSI 3	656000	3840	Battery 1	Sample 1	17.48	18.30	1.208	0.18	0.045	0.054
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	656000	3840	Battery 1	Sample 1	17.76	18.30	1.132	0.01	0.164	0.186
	FR1 n77	100M	BPSK	135	138	Back	10mm	Ant 8	DSI 3	656000	3840	Battery 1	Sample 1	17.48	18.30	1.208	0.13	0.142	0.172
	FR1 n77	100M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	656000	3840	Battery 1	Sample 1	17.76	18.30	1.132	0.11	0.065	0.074
	FR1 n77	100M	BPSK	135	138	Left Edge	10mm	Ant 8	DSI 3	656000	3840	Battery 1	Sample 1	17.48	18.30	1.208	-0.04	0.058	0.070
	FR1 n77	100M	BPSK	1	1	Top Edge	10mm	Ant 8	DSI 3	656000	3840	Battery 1	Sample 1	17.76	18.30	1.132	-0.08	0.041	0.046
	FR1 n77	100M	BPSK	135	138	Top Edge	10mm	Ant 8	DSI 3	656000	3840	Battery 1	Sample 1	17.48	18.30	1.208	-0.05	0.037	0.045
	FR1 n77_HPUE	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	656000	3840	Battery 1	Sample 1	20.70	21.30	1.148	0.05	0.157	0.180
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	656000	3840	Battery 1	Sample 2	17.76	18.30	1.132	0.01	0.152	0.172
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	656000	3840	Battery 1	Sample 3	17.76	18.30	1.132	0.11	0.145	0.164
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	656000	3840	Battery 1	Sample 4	17.76	18.30	1.132	-0.15	0.154	0.174
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	656000	3840	Battery 2	Sample 1	17.76	18.30	1.132	0.16	0.138	0.156
	FR1 n77	100M	BPSK	1	1	Front	10mm	Ant 3	DSI 3	656000	3840	Battery 1	Sample 1	13.10	13.10	1.0	-0.13	0.022	0.022
	FR1 n77	100M	BPSK	135	69	Front	10mm	Ant 3	DSI 3	656000	3840	Battery 1	Sample 1	13.01	13.10	1.021	-0.18	0.021	0.021
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	656000	3840	Battery 1	Sample 1	13.10	13.10	1.0	0.08	0.073	0.073
	FR1 n77	100M	BPSK	135	69	Back	10mm	Ant 3	DSI 3	656000	3840	Battery 1	Sample 1	13.01	13.10	1.021	0.18	0.063	0.064
	FR1 n77	100M	BPSK	1	1	Right Edge	10mm	Ant 3	DSI 3	656000	3840	Battery 1	Sample 1	13.10	13.10	1.0	0.14	0.056	0.056
	FR1 n77	100M	BPSK	135	69	Right Edge</													



FCC SAR TEST REPORT

Report No. : FA5N2836B

	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	656000	3840	Battery 1	Sample 4	13.10	13.10	1.0	0.18	0.068	0.068
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	656000	3840	Battery 2	Sample 1	13.10	13.10	1.0	0.05	0.062	0.062
	FR1 n77	100M	BPSK	1	1	Front	10mm	Ant 4	DSI 3	656000	3840	Battery 1	Sample 1	13.95	14.70	1.189	0.13	0.012	0.014
	FR1 n77	100M	BPSK	135	69	Front	10mm	Ant 4	DSI 3	656000	3840	Battery 1	Sample 1	13.74	14.70	1.247	0.11	0.011	0.014
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	656000	3840	Battery 1	Sample 1	13.95	14.70	1.189	0.02	0.194	0.231
	FR1 n77	100M	BPSK	135	69	Back	10mm	Ant 4	DSI 3	656000	3840	Battery 1	Sample 1	13.74	14.70	1.247	-0.03	0.070	0.087
	FR1 n77	100M	BPSK	1	1	Left Edge	10mm	Ant 4	DSI 3	656000	3840	Battery 1	Sample 1	13.95	14.70	1.189	0.10	0.052	0.062
	FR1 n77	100M	BPSK	135	69	Left Edge	10mm	Ant 4	DSI 3	656000	3840	Battery 1	Sample 1	13.74	14.70	1.247	-0.07	0.049	0.061
	FR1 n77_HPUE	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	656000	3840	Battery 1	Sample 1	17.06	17.70	1.159	-0.08	0.186	0.216
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	656000	3840	Battery 1	Sample 2	13.95	14.70	1.189	-0.18	0.074	0.088
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	656000	3840	Battery 1	Sample 3	13.95	14.70	1.189	-0.07	0.148	0.176
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	656000	3840	Battery 1	Sample 4	13.95	14.70	1.189	0.07	0.116	0.138
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	656000	3840	Battery 2	Sample 1	13.95	14.70	1.189	0.03	0.183	0.218

【WLAN 2.4GHz_5GHz SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Battery	Sample	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 6	Power table 15 Non-DBS	1	2412	Battery 1	Sample 1	16.38	17.00	1.153	98.21	1.018	0.02	0.231	0.271
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 6	Power table 15 Non-DBS	1	2412	Battery 1	Sample 1	16.38	17.00	1.153	98.21	1.018	0.04	0.417	0.489
	WLAN2.4GHz	802.11b 1Mbps	Left Edge	10mm	Ant 6	Power table 15 Non-DBS	1	2412	Battery 1	Sample 1	16.38	17.00	1.153	98.21	1.018	-0.19	0.002	0.002
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	10mm	Ant 6	Power table 15 Non-DBS	1	2412	Battery 1	Sample 1	16.38	17.00	1.153	98.21	1.018	0.04	0.258	0.303
	WLAN2.4GHz	802.11b 1Mbps	Top Edge	10mm	Ant 6	Power table 15 Non-DBS	1	2412	Battery 1	Sample 1	16.38	17.00	1.153	98.21	1.018	-0.06	0.254	0.298
	WLAN2.4GHz	802.11b 1Mbps	Bottom Edge	10mm	Ant 6	Power table 15 Non-DBS	1	2412	Battery 1	Sample 1	16.38	17.00	1.153	98.21	1.018	-0.13	0.002	0.002
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 6	Power table 15 Non-DBS	1	2412	Battery 1	Sample 2	16.38	17.00	1.153	98.21	1.018	0.17	0.393	0.461
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 6	Power table 15 Non-DBS	1	2412	Battery 1	Sample 3	16.38	17.00	1.153	98.21	1.018	0.04	0.351	0.412
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 6	Power table 15 Non-DBS	1	2412	Battery 1	Sample 4	16.38	17.00	1.153	98.21	1.018	0.06	0.363	0.426
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 6	Power table 15 Non-DBS	1	2412	Battery 2	Sample 1	16.38	17.00	1.153	98.21	1.018	0.14	0.410	0.481
	WLAN2.4GHz	802.11b 1Mbps	Back	25mm	Ant 6	CTL Motion-Sensor off	11	2462	Battery 1	Sample 1	18.88	19.00	1.028	98.21	1.018	-0.12	0.195	0.204
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 7	Power table 15 Non-DBS	1	2412	Battery 1	Sample 1	16.48	17.00	1.127	98.35	1.017	0.09	0.117	0.134
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 7	Power table 15 Non-DBS	1	2412	Battery 1	Sample 1	16.48	17.00	1.127	98.35	1.017	-0.04	0.361	0.414
	WLAN2.4GHz	802.11b 1Mbps	Left Edge	10mm	Ant 7	Power table 15 Non-DBS	1	2412	Battery 1	Sample 1	16.48	17.00	1.127	98.35	1.017	-0.09	0.002	0.002
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	10mm	Ant 7	Power table 15 Non-DBS	1	2412	Battery 1	Sample 1	16.48	17.00	1.127	98.35	1.017	-0.09	0.290	0.332
	WLAN2.4GHz	802.11b 1Mbps	Top Edge	10mm	Ant 7	Power table 15 Non-DBS	1	2412	Battery 1	Sample 1	16.48	17.00	1.127	98.35	1.017	-0.06	0.095	0.109
	WLAN2.4GHz	802.11b 1Mbps	Bottom Edge	10mm	Ant 7	Power table 15 Non-DBS	1	2412	Battery 1	Sample 1	16.48	17.00	1.127	98.35	1.017	-0.17	0.002	0.002
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 7	Power table 15 Non-DBS	1	2412	Battery 1	Sample 2	16.48	17.00	1.127	98.35	1.017	0.03	0.307	0.352
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 7	Power table 15 Non-DBS	1	2412	Battery 1	Sample 3	16.48	17.00	1.127	98.35	1.017	0.02	0.359	0.411
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 7	Power table 15 Non-DBS	1	2412	Battery 1	Sample 4	16.48	17.00	1.127	98.35	1.017	0.17	0.303	0.347
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 7	Power table 15 Non-DBS	1	2412	Battery 2	Sample 1	16.48	17.00	1.127	98.35	1.017	0.09	0.354	0.406
	WLAN2.4GHz	802.11b 1Mbps	Back	25mm	Ant 7	CTL Motion-Sensor off	6	2437	Battery 1	Sample 1	18.98	19.00	1.005	98.35	1.017	-0.06	0.165	0.169
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant MIMO(7)	Power table 15 Non-DBS	11	2462	Battery 1	Sample 1	16.48	17.00	1.127	98.05	1.02	0.02	0.216	0.248
57	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant MIMO(7)	Power table 15 Non-DBS	11	2462	Battery 1	Sample 1	16.48	17.00	1.127	98.05	1.02	0.09	0.441	0.507
	WLAN2.4GHz	802.11b 1Mbps	Left Edge	10mm	Ant MIMO(7)	Power table 15 Non-DBS	11	2462	Battery 1	Sample 1	16.48	17.00	1.127	98.05	1.02	0.16	0.081	0.093
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	10mm	Ant MIMO(7)	Power table 15 Non-DBS	11	2462	Battery 1	Sample 1	16.48	17.00	1.127	98.05	1.02	-0.09	0.177	0.203
	WLAN2.4GHz	802.11b 1Mbps	Top Edge	10mm	Ant MIMO(7)	Power table 15 Non-DBS	11	2462	Battery 1	Sample 1	16.48	17.00	1.127	98.05	1.02	0.14	0.267	0.307
	WLAN2.4GHz	802.11b 1Mbps	Bottom Edge	10mm	Ant MIMO(7)	Power table 15 Non-DBS	11	2462	Battery 1	Sample 1	16.48	17.00	1.127	98.05	1.02	0.16	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant MIMO(7)	Power table 15 Non-DBS	11	2462	Battery 1	Sample 2	16.48	17.00	1.127	98.05	1.02	0.05	0.414	0.476
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant MIMO(7)	Power table 15 Non-DBS	11	2462	Battery 1	Sample 3	16.48	17.00	1.127	98.05	1.02	0.15	0.405	0.466
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant MIMO(7)	Power table 15 Non-DBS	11	2462	Battery 1	Sample 4	16.48	17.00	1.127	98.05	1.02	0.02	0.344	0.395
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant MIMO(7)	Power table 15 Non-DBS	11	2462	Battery 2	Sample 1	16.48	17.00	1.127	98.05	1.02	0.06	0.440	0.506
	WLAN2.4GHz	802.11b 1Mbps	Back	25mm	Ant MIMO(7)	CTL Motion-Sensor off	11	2462	Battery 1	Sample 1	18.68	19.00	1.076	98.05	1.02	-0.13	0.205	0.225
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant MIMO(7)	Power table 15 Non-DBS	42	5210	Battery 1	Sample 1	14.00	14.50	1.122	99.28	1.007	-0.06	0.088	0.099
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant MIMO(7)	Power table 15 Non-DBS	42	5210	Battery 1	Sample 1	14.00	14.50	1.122	99.28	1.007	0.02	0.597	0.675
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant MIMO(7)	Power table 15 Non-DBS	42	5210	Battery 1	Sample 1	14.00	14.50	1.122	99.28	1.007	-0.11	0.017	0.019
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	10mm	Ant MIMO(7)	Power table 15 Non-DBS	42	5210	Battery 1	Sample 1	14.00	14.50	1.122	99.28	1.007	-0.03	0.269	0.304
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	10mm	Ant MIMO(7)	Power table 15 Non-DBS	42	5210	Battery 1	Sample 1	14.00	14.50	1.122	99.28	1.007	0.00	0.206	0.233
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Edge	10mm	Ant MIMO(7)	Power table 15 Non-DBS	42	5210	Battery 1	Sample 1	14.00	14.50	1.122	99.28	1.007	-0.02	0.013	0.015
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant MIMO(7)	Power table 15 Non-DBS	42	5210	Battery 1	Sample 2	14.00	14.50	1.122	99.28	1.007	0.11	0.526	0.594
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant MIMO(7)	Power table 15 Non-DBS	42	5210	Battery 1	Sample 3	14.00	14.50	1.122	99.28	1.007	0.19	0.439	0.496
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant MIMO(7)	Power table 15 Non-DBS	42	5210	Battery 1	Sample 4	14.00	14.50	1.122	99.28	1.007	0.10	0.528	0.597
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant MIMO(7)	Power table 15 Non-DBS	42	5210	Battery 2	Sample 1	14.00	14.50	1.122	99.28	1.007	0.14	0.547	0.618
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant MIMO(7)	Power table 15 DBS	42	5210	Battery 1	Sample 1	11.95	12.00	1.012	99.28	1.007	-0.14	0.359	0.366
58	WLAN5GHz	802.11n-HT40 MCS0	Back	25mm	Ant MIMO(7)	CTL Motion-Sensor off	54	5270	Battery 1	Sample 1	20.70	21.00	1.072	99.28	1.007	-0.00	1.080	1.166
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant MIMO(7)	Power table 15 Non-DBS	155	5775	Battery 1	Sample 1	16.00	16.50	1.122	99.28	1.007	0.04	0.181	0.205
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant MIMO(7)	Power table 15 Non-DBS	155	5775	Battery 1	Sample 1	16.00	16.50	1.122	99.28	1.007	-0.01	0.451	0.510
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant MIMO(7)	Power table 15 Non-DBS	155	5775	Battery 1	Sample 1	16.00	16.50	1.122	99.28	1.007	0.02	0.028	0.032
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	10mm	Ant MIMO(7)	Power table 15 Non-DBS	155	5775	Battery 1	Sample 1	16.00	16.50	1.122	99.28	1.007	-0.04	0.899	1.016
	WLAN5GHz	802.11n-HT40 MCS0	Right Edge	10mm	Ant MIMO(7)	Power table 15 Non-DBS	159	5795	Battery 1	Sample 1	15.90	16.50	1.148	99.75	1.003	-0.15	0.732	0.843
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	10mm	Ant MIMO(7)	Power table 15 Non-DBS	155	5775	Battery 1	Sample 1	16.00	16.50	1.122	99.28	1.007	-0.02	0.528	0.597
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Edge	10mm	Ant MIMO(7)	Power table 15 Non-DBS	155	5775	Battery 1	Sample 1	16.00	16.50	1.122	99.28	1.007	0.02	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	10mm	Ant MIMO(7)	Power table 15 Non-DBS	155	5775	Battery 1	Sample 2	16.00	16.50	1.122	99.28	1.007	0.00	0.732	0.827



FCC SAR TEST REPORT

Report No. : FA5N2836B

	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	10mm	Ant MIMO(7)	Power table 15 Non-DBS	155	5775	Battery 1	Sample 3	16.00	16.50	1.122	99.28	1.007	-0.17	0.869	0.982
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	10mm	Ant MIMO(7)	Power table 15 Non-DBS	155	5775	Battery 1	Sample 4	16.00	16.50	1.122	99.28	1.007	-0.02	0.765	0.864
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	10mm	Ant MIMO(7)	Power table 15 Non-DBS	155	5775	Battery 2	Sample 1	16.00	16.50	1.122	99.28	1.007	0.03	0.869	0.982
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	10mm	Ant MIMO(7)	Power table 15 DBS	155	5775	Battery 1	Sample 1	12.80	13.50	1.175	99.28	1.007	0.10	0.416	0.492
59	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	25mm	Ant MIMO(6)	CTL Motion-Sensor off	138	5690	Battery 1	Sample 1	20.00	20.50	1.122	99.28	1.007	-0.14	0.934	1.055
	WLAN5GHz	802.11n-HT40 MCS0	Right Edge	25mm	Ant MIMO(7)	CTL Motion-Sensor off	151	5755	Battery 1	Sample 1	19.50	20.00	1.122	99.75	1.003	-0.11	0.924	1.040

【Bluetooth SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Battery	Sample	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 6	Power table 1	0	2402	Battery 1	Sample 1	4.73	6.00	1.34	76.93	1.083	0.00	0.001	0.001
60	Bluetooth	1Mbps	Back	10mm	Ant 6	Power table 1	0	2402	Battery 1	Sample 1	4.73	6.00	1.34	76.93	1.083	0.06	0.005	0.007
	Bluetooth	1Mbps	Left Edge	10mm	Ant 6	Power table 1	0	2402	Battery 1	Sample 1	4.73	6.00	1.34	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Right Edge	10mm	Ant 6	Power table 1	0	2402	Battery 1	Sample 1	4.73	6.00	1.34	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Top Edge	10mm	Ant 6	Power table 1	0	2402	Battery 1	Sample 1	4.73	6.00	1.34	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Bottom Edge	10mm	Ant 6	Power table 1	0	2402	Battery 1	Sample 1	4.73	6.00	1.34	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Back	10mm	Ant 6	Power table 1	0	2402	Battery 1	Sample 2	4.73	6.00	1.34	76.93	1.083	-0.15	0.003	0.004
	Bluetooth	1Mbps	Back	10mm	Ant 6	Power table 1	0	2402	Battery 1	Sample 3	4.73	6.00	1.34	76.93	1.083	0.01	0.002	0.003
	Bluetooth	1Mbps	Back	10mm	Ant 6	Power table 1	0	2402	Battery 1	Sample 4	4.73	6.00	1.34	76.93	1.083	-0.18	0.004	0.006
	Bluetooth	1Mbps	Back	10mm	Ant 6	Power table 1	0	2402	Battery 2	Sample 1	4.73	6.00	1.34	76.93	1.083	0.12	0.003	0.004
	Bluetooth	1Mbps	Back	25mm	Ant 6	Power table 1	0	2402	Battery 1	Sample 1	4.73	6.00	1.34	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Front	10mm	Ant 7	Power table 1	0	2402	Battery 1	Sample 1	4.89	6.00	1.291	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Back	10mm	Ant 7	Power table 1	0	2402	Battery 1	Sample 1	4.89	6.00	1.291	76.93	1.083	0.07	0.005	0.007
	Bluetooth	1Mbps	Left Edge	10mm	Ant 7	Power table 1	0	2402	Battery 1	Sample 1	4.89	6.00	1.291	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Right Edge	10mm	Ant 7	Power table 1	0	2402	Battery 1	Sample 1	4.89	6.00	1.291	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Top Edge	10mm	Ant 7	Power table 1	0	2402	Battery 1	Sample 1	4.89	6.00	1.291	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Bottom Edge	10mm	Ant 7	Power table 1	0	2402	Battery 1	Sample 1	4.89	6.00	1.291	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Back	10mm	Ant 7	Power table 1	0	2402	Battery 1	Sample 2	4.89	6.00	1.291	76.93	1.083	-0.19	0.002	0.003
	Bluetooth	1Mbps	Back	10mm	Ant 7	Power table 1	0	2402	Battery 1	Sample 3	4.89	6.00	1.291	76.93	1.083	0.06	0.003	0.004
	Bluetooth	1Mbps	Back	10mm	Ant 7	Power table 1	0	2402	Battery 1	Sample 4	4.89	6.00	1.291	76.93	1.083	0.02	0.001	0.001
	Bluetooth	1Mbps	Back	10mm	Ant 7	Power table 1	0	2402	Battery 2	Sample 1	4.89	6.00	1.291	76.93	1.083	-0.13	0.004	0.006
	Bluetooth	1Mbps	Back	25mm	Ant 7	Power table 1	0	2402	Battery 1	Sample 1	4.89	6.00	1.291	76.93	1.083	0.00	0.001	0.001

**14.3 Body Worn Accessory SAR**

【GSM SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Accessory	Battery	Sample	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	GPRS 4 Tx slots	Front	5mm	Ant 8	DSI 1	251	848.8		Battery 1	Sample 1	28.35	28.80	1.109	0.17	0.482	0.535
	GSM850	GPRS 4 Tx slots	Back	5mm	Ant 8	DSI 1	251	848.8		Battery 1	Sample 1	28.35	28.80	1.109	-0.09	0.905	1.004
	GSM850	GPRS 4 Tx slots	Back	5mm	Ant 8	DSI 1	128	824.2		Battery 1	Sample 1	28.30	28.80	1.122	0.15	0.905	1.015
61	GSM850	GPRS 4 Tx slots	Back	5mm	Ant 8	DSI 1	189	836.4		Battery 1	Sample 1	28.33	28.80	1.114	-0.00	1.050	1.170
	GSM850	GPRS 4 Tx slots	Back	0mm	Ant 8	DSI 1	189	836.4	Holster	Battery 1	Sample 1	28.33	28.80	1.114	-0.13	0.236	0.263
	GSM850	GPRS 4 Tx slots	Back	5mm	Ant 8	DSI 1	189	836.4		Battery 1	Sample 2	28.33	28.80	1.114	-0.01	0.916	1.020
	GSM850	GPRS 4 Tx slots	Back	5mm	Ant 8	DSI 1	189	836.4		Battery 1	Sample 3	28.33	28.80	1.114	0.01	0.938	1.045
	GSM850	GPRS 4 Tx slots	Back	5mm	Ant 8	DSI 1	189	836.4		Battery 1	Sample 4	28.33	28.80	1.114	0.06	0.460	0.512
	GSM850	GPRS 4 Tx slots	Back	5mm	Ant 8	DSI 1	189	836.4		Battery 2	Sample 1	28.33	28.80	1.114	0.19	0.952	1.061
	GSM850	GPRS 4 Tx slots	Back	5mm	Ant 8	DSI 1_WiFi ON	189	836.4		Battery 1	Sample 1	24.68	25.00	1.076	-0.01	0.318	0.342
	GSM1900	GPRS 4 Tx slots	Front	5mm	Ant 8	DSI 1	810	1909.8		Battery 1	Sample 1	26.37	27.30	1.239	0.14	0.209	0.259
62	GSM1900	GPRS 4 Tx slots	Back	5mm	Ant 8	DSI 1	810	1909.8		Battery 1	Sample 1	26.37	27.30	1.239	-0.02	0.956	1.184
	GSM1900	GPRS 4 Tx slots	Back	5mm	Ant 8	DSI 1	512	1850.2		Battery 1	Sample 1	26.36	27.30	1.242	0.08	0.531	0.660
	GSM1900	GPRS 4 Tx slots	Back	5mm	Ant 8	DSI 1	661	1880		Battery 1	Sample 1	26.34	27.30	1.247	0.15	0.686	0.855
	GSM1900	GPRS 4 Tx slots	Back	0mm	Ant 8	DSI 1	810	1909.8	Holster	Battery 1	Sample 1	26.37	27.30	1.239	-0.17	0.369	0.457
	GSM1900	GPRS 4 Tx slots	Back	5mm	Ant 8	DSI 1	810	1909.8		Battery 1	Sample 2	26.37	27.30	1.239	0.04	0.809	1.002
	GSM1900	GPRS 4 Tx slots	Back	5mm	Ant 8	DSI 1	810	1909.8		Battery 1	Sample 3	26.37	27.30	1.239	0.16	0.817	1.012
	GSM1900	GPRS 4 Tx slots	Back	5mm	Ant 8	DSI 1	810	1909.8		Battery 1	Sample 4	26.37	27.30	1.239	-0.08	0.858	1.063
	GSM1900	GPRS 4 Tx slots	Back	5mm	Ant 8	DSI 1	810	1909.8		Battery 2	Sample 3	26.37	27.30	1.239	-0.06	0.944	1.170
	GSM1900	GPRS 4 Tx slots	Back	5mm	Ant 8	DSI 1_WiFi ON	810	1909.8		Battery 1	Sample 3	19.29	19.70	1.099	-0.04	0.285	0.313

【WCDMA SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Accessory	Battery	Sample	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	RMC 12.2Kbps	Front	5mm	Ant 8	DSI 1	9538	1907.6		Battery 1	Sample 1	21.79	22.20	1.099	-0.13	0.233	0.256
63	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	9538	1907.6		Battery 1	Sample 1	21.79	22.20	1.099	0.01	1.050	1.154
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	9262	1852.4		Battery 1	Sample 1	21.69	22.20	1.125	-0.01	0.647	0.728
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	9400	1880		Battery 1	Sample 1	21.74	22.20	1.112	0.08	0.816	0.907
	WCDMA II	RMC 12.2Kbps	Back	0mm	Ant 8	DSI 1	9538	1907.6	Holster	Battery 1	Sample 1	21.79	22.20	1.099	-0.17	0.401	0.441
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	9538	1907.6		Battery 1	Sample 2	21.79	22.20	1.099	-0.12	0.944	1.037
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	9538	1907.6		Battery 1	Sample 3	21.79	22.20	1.099	0.08	1.010	1.110
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	9538	1907.6		Battery 1	Sample 4	21.79	22.20	1.099	0.10	0.937	1.030
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	9538	1907.6		Battery 2	Sample 1	21.79	22.20	1.099	-0.17	0.899	0.988
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1_WiFi ON	9538	1907.6		Battery 1	Sample 1	16.81	17.00	1.045	0.02	0.371	0.388
	WCDMA IV	RMC 12.2Kbps	Front	5mm	Ant 8	DSI 1	1312	1712.4		Battery 1	Sample 1	22.87	23.40	1.13	0.07	0.209	0.236
64	WCDMA IV	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	1312	1712.4		Battery 1	Sample 1	22.87	23.40	1.13	0.01	1.050	1.186
	WCDMA IV	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	1413	1732.6		Battery 1	Sample 1	22.82	23.40	1.143	0.18	0.721	0.824
	WCDMA IV	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	1513	1752.6		Battery 1	Sample 1	22.86	23.40	1.132	-0.06	0.668	0.756
	WCDMA IV	RMC 12.2Kbps	Back	0mm	Ant 8	DSI 1	1312	1712.4	Holster	Battery 1	Sample 1	22.87	23.40	1.13	-0.07	0.431	0.487
	WCDMA IV	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	1312	1712.4		Battery 1	Sample 2	22.87	23.40	1.13	0.13	0.857	0.968
	WCDMA IV	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	1312	1712.4		Battery 1	Sample 3	22.87	23.40	1.13	0.08	0.905	1.023
	WCDMA IV	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	1312	1712.4		Battery 1	Sample 4	22.87	23.40	1.13	0.01	0.842	0.951
	WCDMA IV	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	1312	1712.4		Battery 2	Sample 1	22.87	23.40	1.13	-0.04	0.933	1.054
	WCDMA IV	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1_WiFi ON	1312	1712.4		Battery 1	Sample 1	16.84	17.60	1.191	0.02	0.330	0.393
	WCDMA V	RMC 12.2Kbps	Front	5mm	Ant 8	DSI 1	4132	826.4		Battery 1	Sample 1	23.88	24.90	1.265	-0.04	0.451	0.571
65	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	4132	826.4		Battery 1	Sample 1	23.88	24.90	1.265	-0.05	0.937	1.185
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	4182	836.4		Battery 1	Sample 1	23.83	24.90	1.279	-0.08	0.803	1.027
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	4233	846.6		Battery 1	Sample 1	23.84	24.90	1.276	0.05	0.750	0.957
	WCDMA V	RMC 12.2Kbps	Back	0mm	Ant 8	DSI 1	4132	826.4	Holster	Battery 1	Sample 1	23.88	24.90	1.265	0.11	0.195	0.247
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	4132	826.4		Battery 1	Sample 2	23.88	24.90	1.265	-0.13	0.895	1.132
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	4132	826.4		Battery 1	Sample 3	23.88	24.90	1.265	0.07	0.886	1.121
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	4132	826.4		Battery 1	Sample 4	23.88	24.90	1.265	0.15	0.880	1.113
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	4132	826.4		Battery 2	Sample 4	23.88	24.90	1.265	0.13	0.921	1.165
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1_WiFi ON	4132	826.4		Battery 1	Sample 4	19.01	19.90	1.227	-0.00	0.324	0.398



FCC SAR TEST REPORT

Report No. : FA5N2836B

[LTE SAR]

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Accessory	Battery	Sample	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 2	20M	QPSK	1	0	Front	5mm	Ant 2	DSI 1	19100	1900		Battery 1	Sample 1	21.50	21.50	1.0			-0.11	0.087	0.087
	LTE Band 2	20M	QPSK	50	0	Front	5mm	Ant 2	DSI 1	19100	1900		Battery 1	Sample 1	21.41	21.50	1.021			0.12	0.083	0.085
66	LTE Band 2	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 1	19100	1900		Battery 1	Sample 1	21.50	21.50	1.0			-0.01	0.524	0.524
	LTE Band 2	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 1	19100	1900		Battery 1	Sample 1	21.41	21.50	1.021			0.17	0.444	0.453
	LTE Band 2	20M	QPSK	1	0	Back	0mm	Ant 2	DSI 1	19100	1900	Holster	Battery 1	Sample 1	21.50	21.50	1.0			0.01	0.078	0.078
	LTE Band 2	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 1	19100	1900		Battery 1	Sample 2	21.50	21.50	1.0			0.12	0.471	0.471
	LTE Band 2	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 1	19100	1900		Battery 1	Sample 3	21.50	21.50	1.0			0.12	0.339	0.339
	LTE Band 2	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 1	19100	1900		Battery 1	Sample 4	21.50	21.50	1.0			0.16	0.451	0.451
	LTE Band 2	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 1	19100	1900		Battery 2	Sample 1	21.50	21.50	1.0			0.11	0.253	0.253
	LTE Band 2	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 1_WiFi ON	19100	1900		Battery 1	Sample 1	19.73	20.80	1.279			0.13	0.309	0.395
	LTE Band 7	20M	QPSK	1	0	Front	5mm	Ant 1	DSI 1	21100	2535		Battery 1	Sample 1	23.45	25.00	1.429			-0.03	0.454	0.649
	LTE Band 7	20M	QPSK	50	0	Front	5mm	Ant 1	DSI 1	21100	2535		Battery 1	Sample 1	22.50	24.00	1.413			0.01	0.365	0.516
67	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	21100	2535		Battery 1	Sample 1	23.45	25.00	1.429			-0.08	0.522	0.746
	LTE Band 7	20M	QPSK	50	0	Back	5mm	Ant 1	DSI 1	21100	2535		Battery 1	Sample 1	22.50	24.00	1.413			0.06	0.391	0.552
	LTE Band 7	20M	QPSK	1	0	Back	0mm	Ant 1	DSI 1	21100	2535	Holster	Battery 1	Sample 1	23.45	25.00	1.429			-0.14	0.144	0.206
	LTE Band 7C	20M+20M	QPSK	1	99	Back	5mm	Ant 1	DSI 1	21100+21298	2535+2564.8		Battery 1	Sample 1	23.41	25.00	1.442			-0.04	0.476	0.686
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	21100	2535		Battery 1	Sample 2	23.45	25.00	1.429			0.05	0.509	0.727
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	21100	2535		Battery 1	Sample 3	23.45	25.00	1.429			-0.03	0.489	0.699
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	21100	2535		Battery 1	Sample 4	23.45	25.00	1.429			-0.12	0.508	0.726
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	21100	2535		Battery 2	Sample 1	23.45	25.00	1.429			-0.09	0.501	0.716
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1_WiFi ON	21100	2535		Battery 1	Sample 1	20.82	21.20	1.091			-0.01	0.346	0.377
	LTE Band 12	10M	QPSK	1	0	Front	5mm	Ant 8	DSI 1	23095	707.5		Battery 1	Sample 1	23.47	25.00	1.422			0.18	0.181	0.257
	LTE Band 12	10M	QPSK	25	0	Front	5mm	Ant 8	DSI 1	23095	707.5		Battery 1	Sample 1	22.51	24.00	1.409			0.01	0.144	0.203
68	LTE Band 12	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	23095	707.5		Battery 1	Sample 1	23.47	25.00	1.422			-0.02	0.540	0.768
	LTE Band 12	10M	QPSK	25	0	Back	5mm	Ant 8	DSI 1	23095	707.5		Battery 1	Sample 1	22.51	24.00	1.409			-0.09	0.432	0.609
	LTE Band 12	10M	QPSK	1	0	Back	0mm	Ant 8	DSI 1	23095	707.5	Holster	Battery 1	Sample 1	23.47	25.00	1.422			0.14	0.115	0.164
	LTE Band 12	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	23095	707.5		Battery 1	Sample 2	23.47	25.00	1.422			0.01	0.380	0.540
	LTE Band 12	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	23095	707.5		Battery 1	Sample 3	23.47	25.00	1.422			0.11	0.508	0.722
	LTE Band 12	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	23095	707.5		Battery 1	Sample 4	23.47	25.00	1.422			-0.15	0.536	0.762
	LTE Band 12	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	23095	707.5		Battery 2	Sample 1	23.47	25.00	1.422			0.14	0.461	0.656
	LTE Band 12	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1_WiFi ON	23095	707.5		Battery 1	Sample 1	21.68	22.20	1.127			-0.05	0.345	0.389
	LTE Band 13	10M	QPSK	1	0	Front	5mm	Ant 8	DSI 1	23230	782		Battery 1	Sample 1	23.48	25.00	1.419			0.12	0.257	0.365
	LTE Band 13	10M	QPSK	25	0	Front	5mm	Ant 8	DSI 1	23230	782		Battery 1	Sample 1	22.45	24.00	1.429			-0.14	0.203	0.290
69	LTE Band 13	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	23230	782		Battery 1	Sample 1	23.48	25.00	1.419			0.01	0.684	0.971
	LTE Band 13	10M	QPSK	25	0	Back	5mm	Ant 8	DSI 1	23230	782		Battery 1	Sample 1	22.45	24.00	1.429			0.13	0.541	0.773
	LTE Band 13	10M	QPSK	50	0	Back	5mm	Ant 8	DSI 1	23230	782		Battery 1	Sample 1	22.48	24.00	1.419			-0.14	0.536	0.761
	LTE Band 13	10M	QPSK	1	0	Back	0mm	Ant 8	DSI 1	23230	782	Holster	Battery 1	Sample 1	23.48	25.00	1.419			0.10	0.106	0.150
	LTE Band 13	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	23230	782		Battery 1	Sample 2	23.48	25.00	1.419			-0.04	0.538	0.763
	LTE Band 13	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	23230	782		Battery 1	Sample 3	23.48	25.00	1.419			0.16	0.662	0.939
	LTE Band 13	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	23230	782		Battery 1	Sample 4	23.48	25.00	1.419			-0.16	0.659	0.935
	LTE Band 13	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	23230	782		Battery 2	Sample 1	23.48	25.00	1.419			-0.14	0.569	0.807
	LTE Band 13	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1_WiFi ON	23230	782		Battery 1	Sample 1	20.59	21.10	1.125			0.03	0.347	0.390
	LTE Band 25	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 1	26340	1880		Battery 1	Sample 1	21.35	21.90	1.135			-0.05	0.164	0.186
	LTE Band 25	20M	QPSK	50	0	Front	5mm	Ant 8	DSI 1	26340	1880		Battery 1	Sample 1	19.81	20.90	1.285			-0.17	0.136	0.175
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	26340	1880		Battery 1	Sample 1	21.35	21.90	1.135			0.08	0.715	0.812
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	26140	1860		Battery 1	Sample 1	21.13	21.90	1.194			0.01	0.549	0.656
70	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	26590	1905		Battery 1	Sample 1	21.30	21.90	1.148			0.02	1.010	1.159
	LTE Band 25	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 1	26340	1880		Battery 1	Sample 1	19.81	20.90	1.285			-0.14	0.629	0.808
	LTE Band 25	20M	QPSK	50	24	Back	5mm	Ant 8	DSI 1	26140	1860		Battery 1	Sample 1	19.78	20.90	1.294			0.06	0.617	0.798
	LTE Band 25	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 1	26590	1905		Battery 1	Sample 1	19.69	20.90	1.321			0.06	0.636	0.840
	LTE Band 25	20M	QPSK	100	0	Back	5mm	Ant 8	DSI 1	26590	1905		Battery 1	Sample 1	19.76	20.90	1.3			-0.01	0.609	0.792
	LTE Band 25	20M	QPSK	1	0	Back	0mm	Ant 8	DSI 1	26590	1905	Holster	Battery 1	Sample 1	21.30	21.90	1.148			-0.09	0.247	0.284
	LTE Band 2C	20M+20M	QPSK	1	99	Back	5mm	Ant 8	DSI 1	18900+19098	1880+1899.8		Battery 1	Sample 1	21.43	21.90	1.114			0.01	0.864	0.962
	LTE Band 2C	20M+20M	QPSK	1	99	Back	5mm	Ant 8	DSI 1	18700+18898	1860+1879.8		Battery 1	Sample 1	21.18	21.90	1.18			0.01	0.781	0.922
	LTE Band 2C	20M+20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	19100+18902	1900+1880.2		Battery 1	Sample 1	21.20	21.90	1.175			-0.04	0.797	0.936
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	26590	1905		Battery 1	Sample 2	21.30	21.90	1.148			0.06	0.789	0.906
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	26590	1905		Battery 1	Sample 3	21.30	21.90	1.148			0.14	0.803	0.922
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	26590	1905		Battery 1	Sample 4	21.30	21.90	1.148			-0.05	0.864	0.992
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	26590	1905		Battery 2	Sample 1	21.30	21.90	1.148			-0.13	0.901	1.034
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1_WiFi ON	26590	1905		Battery 1	Sample 1	16.77	17.90	1.297			0.01	0.299	0.388
	LTE Band 26	15M	QPSK	1	0	Front	5mm	Ant 8	DSI 1	26865	831.5		Battery 1	Sample 1	23.54	25.00	1.4			-0.02	0.339	0.475
	LTE Band 26	15M	QPSK	36	0	Front	5mm	Ant 8	DSI 1	26865	831.5		Battery 1	Sample 1	22.50	24.00	1.413			-0.05	0.267	0.377
71	LTE Band 26	15M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	26865	831.5		Battery 1	Sample 1	23.54	25.00	1.4			0.00	0.786	1.100
	LTE Band 26	15M	QPSK	36	0	Back	5mm	Ant 8	DSI 1	26865	831.5		Battery 1	Sample 1	22.50	24.00	1.413			0.06	0.529	0.747
	LTE Band 26	15M	QPSK	75	0	Back	5mm	Ant 8	DSI 1	26865	831.5		Battery 1	Sample 1	22.49	24.00	1.415			-0.06	0.520	0.736
	LTE Band 26	15M	QPSK	1	0	Back	0mm	Ant 8	DSI 1	268												



FCC SAR TEST REPORT

Report No. : FA5N2836B

	LTE Band 5B	10M+10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	20600+20501	844+834.1		Battery 1	Sample 1	23.52	25.00	1.406			0.09	0.609	0.856
	LTE Band 26	15M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	26865	831.5		Battery 1	Sample 2	23.54	25.00	1.4			-0.06	0.646	0.904
	LTE Band 26	15M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	26865	831.5		Battery 1	Sample 3	23.54	25.00	1.4			0.06	0.757	1.060
	LTE Band 26	15M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	26865	831.5		Battery 1	Sample 4	23.54	25.00	1.4			-0.14	0.675	0.945
	LTE Band 26	15M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	26865	831.5		Battery 2	Sample 1	23.54	25.00	1.4			-0.13	0.669	0.937
	LTE Band 26	15M	QPSK	1	0	Back	5mm	Ant 8	DSI 1_WiFi ON	26865	831.5		Battery 1	Sample 1	19.65	20.20	1.135			0.02	0.347	0.394
	LTE Band 66	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 1	132322	1745		Battery 1	Sample 1	21.97	22.90	1.239			-0.02	0.193	0.239
	LTE Band 66	20M	QPSK	50	0	Front	5mm	Ant 8	DSI 1	132322	1745		Battery 1	Sample 1	20.93	21.90	1.25			0.11	0.152	0.190
72	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	132322	1745		Battery 1	Sample 1	21.97	22.90	1.239			-0.01	0.939	1.163
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	132072	1720		Battery 1	Sample 1	21.96	22.90	1.242			0.04	0.779	0.968
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	132572	1770		Battery 1	Sample 1	21.92	22.90	1.253			-0.17	0.630	0.789
	LTE Band 66	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 1	132322	1745		Battery 1	Sample 1	20.93	21.90	1.25			0.01	0.503	0.629
	LTE Band 66	20M	QPSK	100	0	Back	5mm	Ant 8	DSI 1	132572	1770		Battery 1	Sample 1	20.82	21.90	1.282			-0.05	0.493	0.632
	LTE Band 66	20M	QPSK	1	0	Back	0mm	Ant 8	DSI 1	132322	1745	Holster	Battery 1	Sample 1	21.97	22.90	1.239			0.17	0.227	0.281
	LTE Band 66B	15M+5M	QPSK	1	74	Back	5mm	Ant 8	DSI 1	132322+132415	1745+1754.3		Battery 1	Sample 1	21.71	22.90	1.315			0.08	0.754	0.992
	LTE Band 66B	15M+5M	QPSK	1	74	Back	5mm	Ant 8	DSI 1	132047+132140	1717.5+1726.8		Battery 1	Sample 1	21.61	22.90	1.346			-0.12	0.707	0.952
	LTE Band 66B	15M+5M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	132597+132504	1772.5+1763.2		Battery 1	Sample 1	21.67	22.90	1.327			0.09	0.732	0.971
	LTE Band 66C	20M+20M	QPSK	1	99	Back	5mm	Ant 8	DSI 1	132322+132520	1745+1764.8		Battery 1	Sample 1	21.93	22.90	1.25			-0.00	0.794	0.993
	LTE Band 66C	20M+20M	QPSK	1	99	Back	5mm	Ant 8	DSI 1	132072+132270	1720+1739.8		Battery 1	Sample 1	21.89	22.90	1.262			0.06	0.763	0.963
	LTE Band 66C	20M+20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	132572+132374	1770+1750.2		Battery 1	Sample 1	21.85	22.90	1.274			-0.19	0.773	0.985
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	132322	1745		Battery 1	Sample 2	21.97	22.90	1.239			-0.08	0.795	0.985
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	132322	1745		Battery 1	Sample 3	21.97	22.90	1.239			0.15	0.825	1.022
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	132322	1745		Battery 1	Sample 4	21.97	22.90	1.239			-0.14	0.838	1.038
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	132322	1745		Battery 2	Sample 1	21.97	22.90	1.239			-0.15	0.924	1.145
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1_WiFi ON	132322	1745		Battery 1	Sample 1	18.34	18.70	1.086			-0.01	0.360	0.391
	LTE Band 66	20M	QPSK	1	0	Front	5mm	Ant 2	DSI 1	132322	1745		Battery 1	Sample 1	21.50	21.50	1.0			0.00	0.259	0.259
	LTE Band 66	20M	QPSK	50	0	Front	5mm	Ant 2	DSI 1	132322	1745		Battery 1	Sample 1	21.42	21.50	1.019			0.03	0.243	0.248
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 1	132322	1745		Battery 1	Sample 1	21.50	21.50	1.0			-0.00	0.965	0.965
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 1	132072	1720		Battery 1	Sample 1	21.40	21.50	1.023			0.06	0.912	0.933
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 1	132572	1770		Battery 1	Sample 1	21.37	21.50	1.03			0.01	0.907	0.934
	LTE Band 66	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 1	132322	1745		Battery 1	Sample 1	21.42	21.50	1.019			-0.04	0.887	0.904
	LTE Band 66	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 1	132072	1720		Battery 1	Sample 1	21.23	21.50	1.064			0.09	0.868	0.924
	LTE Band 66	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 1	132572	1770		Battery 1	Sample 1	21.38	21.50	1.028			0.08	0.854	0.878
	LTE Band 66	20M	QPSK	100	0	Back	5mm	Ant 2	DSI 1	132322	1745		Battery 1	Sample 1	21.37	21.50	1.03			0.09	0.895	0.922
	LTE Band 66	20M	QPSK	1	0	Back	0mm	Ant 2	DSI 1	132322	1745	Holster	Battery 1	Sample 1	21.50	21.50	1.0			0.13	0.151	0.151
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 1	132322	1745		Battery 1	Sample 2	21.50	21.50	1.0			0.07	0.760	0.760
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 1	132322	1745		Battery 1	Sample 3	21.50	21.50	1.0			-0.05	0.658	0.658
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 1	132322	1745		Battery 1	Sample 4	21.50	21.50	1.0			-0.07	0.765	0.765
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 1	132322	1745		Battery 2	Sample 1	21.50	21.50	1.0			0.05	0.569	0.569
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 1_WiFi ON	132322	1745		Battery 1	Sample 1	17.26	18.70	1.393			0.00	0.279	0.389
	LTE Band 71	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 1	133297	680.5		Battery 1	Sample 1	23.16	25.00	1.528			0.10	0.113	0.173
	LTE Band 71	20M	QPSK	50	0	Front	5mm	Ant 8	DSI 1	133297	680.5		Battery 1	Sample 1	22.30	24.00	1.479			-0.06	0.100	0.148
73	LTE Band 71	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	133297	680.5		Battery 1	Sample 1	23.16	25.00	1.528			0.00	0.291	0.445
	LTE Band 71	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 1	133297	680.5		Battery 1	Sample 1	22.30	24.00	1.479			-0.14	0.244	0.361
	LTE Band 71	20M	QPSK	1	0	Back	0mm	Ant 8	DSI 1	133297	680.5	Holster	Battery 1	Sample 1	23.16	25.00	1.528			-0.18	0.077	0.118
	LTE Band 71	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	133297	680.5		Battery 1	Sample 2	23.16	25.00	1.528			-0.18	0.263	0.402
	LTE Band 71	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	133297	680.5		Battery 1	Sample 3	23.16	25.00	1.528			0.12	0.285	0.435
	LTE Band 71	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	133297	680.5		Battery 1	Sample 4	23.16	25.00	1.528			-0.00	0.269	0.411
	LTE Band 71	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	133297	680.5		Battery 2	Sample 1	23.16	25.00	1.528			-0.18	0.261	0.399
	LTE Band 71	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1_WiFi ON	133297	680.5		Battery 1	Sample 1	23.16	24.40	1.33			0.00	0.291	0.387
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 1	DSI 1	41490	2680		Battery 1	Sample 1	23.55	25.00	1.396	62.9	1.006	-0.04	0.228	0.320
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 1	DSI 1	41490	2680		Battery 1	Sample 1	22.61	24.00	1.377	62.9	1.006	-0.04	0.189	0.262
74	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	41490	2680		Battery 1	Sample 1	23.55	25.00	1.396	62.9	1.006	-0.05	0.269	0.378
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 1	DSI 1	41490	2680		Battery 1	Sample 1	22.61	24.00	1.377	62.9	1.006	0.18	0.210	0.291
	LTE Band 41	20M	QPSK	1	0	Back	0mm	Ant 1	DSI 1	41490	2680	Holster	Battery 1	Sample 1	23.55	25.00	1.396	62.9	1.006	0.08	0.075	0.105
	LTE Band 38C	20M+20M	QPSK	1	99	Back	5mm	Ant 1	DSI 1	37901+38099	2585.1+2604.9		Battery 1	Sample 1	23.44	25.00	1.432	62.9	1.006	0.09	0.198	0.285
	LTE Band 41C	20M+20M	QPSK	1	99	Back	5mm	Ant 1	DSI 1	40620+40818	2593+2612.8		Battery 1	Sample 1	23.47	25.00	1.422	62.9	1.006	-0.18	0.217	0.310
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	41490	2680		Battery 1	Sample 2	23.55	25.00	1.396	62.9	1.006	0.12	0.267	0.375
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	41490	2680		Battery 1	Sample 3	23.55	25.00	1.396	62.9	1.006	-0.17	0.258	0.362
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	41490	2680		Battery 1	Sample 4	23.55	25.00	1.396	62.9	1.006	-0.10	0.249	0.350
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	41490	2680		Battery 2	Sample 1	23.55	25.00	1.396	62.9	1.006	-0.02	0.258	0.362
	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 9	DSI 1	42190	3460		Battery 1	Sample 1	18.22	18.60	1.091	62.9	1.006	-0.15	0.301	0.330
	LTE Band 42	20M	QPSK	50	0	Front	5mm	Ant 9	DSI 1	42190	3460		Battery 1	Sample 1	17.34	17.60	1.062	62.9	1.006	-0.01	0.247	0.264
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	42190	3460		Battery 1	Sample 1	18.22	18.60	1.091	62.9	1.006	0.14	0.959	1.053
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	42590	3500		Battery 1	Sample 1	18.05	18.60	1.135	62.9	1.006	0.09	1.020	1



FCC SAR TEST REPORT

Report No. : FA5N2836B

	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	42990	3540		Battery 1	Sample 4	18.06	18.60	1.132	62.9	1.006	-0.14	0.211	0.240
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	42990	3540		Battery 2	Sample 1	18.06	18.60	1.132	62.9	1.006	0.08	0.856	0.975
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1_WiFi ON	42990	3540		Battery 1	Sample 1	17.00	17.30	1.072	62.9	1.006	0.05	0.366	0.395
	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 9	DSI 1	43340	3575		Battery 1	Sample 1	17.96	18.60	1.159	62.9	1.006	0.14	0.152	0.177
	LTE Band 42	20M	QPSK	50	0	Front	5mm	Ant 9	DSI 1	43340	3575		Battery 1	Sample 1	17.07	17.60	1.13	62.9	1.006	0.06	0.125	0.142
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	43340	3575		Battery 1	Sample 1	17.96	18.60	1.159	62.9	1.006	-0.01	0.862	1.005
	LTE Band 42	20M	QPSK	50	0	Back	5mm	Ant 9	DSI 1	43340	3575		Battery 1	Sample 1	17.07	17.60	1.13	62.9	1.006	0.12	0.707	0.804
	LTE Band 42	20M	QPSK	100	0	Back	5mm	Ant 9	DSI 1	43340	3575		Battery 1	Sample 1	17.03	17.60	1.14	62.9	1.006	0.14	0.698	0.800
	LTE Band 42	20M	QPSK	1	0	Back	0mm	Ant 9	DSI 1	43340	3575	Holster	Battery 1	Sample 1	17.96	18.60	1.159	62.9	1.006	-0.17	0.127	0.148
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	43340	3575		Battery 1	Sample 2	17.96	18.60	1.159	62.9	1.006	-0.05	0.610	0.711
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	43340	3575		Battery 1	Sample 3	17.96	18.60	1.159	62.9	1.006	-0.09	0.204	0.238
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	43340	3575		Battery 1	Sample 4	17.96	18.60	1.159	62.9	1.006	0.02	0.191	0.223
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	43340	3575		Battery 2	Sample 1	17.96	18.60	1.159	62.9	1.006	-0.01	0.748	0.872
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1_WiFi ON	43340	3575		Battery 1	Sample 1	17.07	17.30	1.054	62.9	1.006	0.01	0.310	0.329
	LTE Band 43	20M	QPSK	1	0	Front	5mm	Ant 9	DSI 1	44090	3650		Battery 1	Sample 1	18.27	18.50	1.054	62.9	1.006	0.10	0.066	0.070
	LTE Band 43	20M	QPSK	50	0	Front	5mm	Ant 9	DSI 1	44090	3650		Battery 1	Sample 1	17.44	17.50	1.014	62.9	1.006	-0.07	0.055	0.056
	LTE Band 43	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	44090	3650		Battery 1	Sample 1	18.27	18.50	1.054	62.9	1.006	0.05	0.540	0.573
	LTE Band 43	20M	QPSK	50	0	Back	5mm	Ant 9	DSI 1	44090	3650		Battery 1	Sample 1	17.44	17.50	1.014	62.9	1.006	0.03	0.449	0.458
	LTE Band 43	20M	QPSK	1	0	Back	0mm	Ant 9	DSI 1	44090	3650	Holster	Battery 1	Sample 1	18.27	18.50	1.054	62.9	1.006	0.02	0.101	0.107
	LTE Band 43	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	44090	3650		Battery 1	Sample 2	18.27	18.50	1.054	62.9	1.006	0.10	0.348	0.369
	LTE Band 43	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	44090	3650		Battery 1	Sample 3	18.27	18.50	1.054	62.9	1.006	-0.06	0.186	0.197
	LTE Band 43	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	44090	3650		Battery 1	Sample 4	18.27	18.50	1.054	62.9	1.006	-0.12	0.199	0.211
	LTE Band 43	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	44090	3650		Battery 2	Sample 1	18.27	18.50	1.054	62.9	1.006	-0.19	0.518	0.549
	LTE Band 43	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1_WiFi ON	44090	3650		Battery 1	Sample 1	14.77	14.80	1.007	62.9	1.006	0.00	0.190	0.192
	LTE Band 43	20M	QPSK	1	0	Front	5mm	Ant 9	DSI 1	45090	3750		Battery 1	Sample 1	17.94	18.50	1.138	62.9	1.006	-0.08	0.088	0.101
	LTE Band 43	20M	QPSK	50	0	Front	5mm	Ant 9	DSI 1	45090	3750		Battery 1	Sample 1	16.96	17.50	1.132	62.9	1.006	-0.17	0.071	0.081
	LTE Band 43	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	45090	3750		Battery 1	Sample 1	17.94	18.50	1.138	62.9	1.006	0.01	0.752	0.861
	LTE Band 43	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	44690	3710		Battery 1	Sample 1	17.56	18.50	1.242	62.9	1.006	-0.04	0.612	0.765
76	LTE Band 43	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	45490	3790		Battery 1	Sample 1	17.77	18.50	1.183	62.9	1.006	0.00	0.999	1.189
	LTE Band 43	20M	QPSK	50	0	Back	5mm	Ant 9	DSI 1	45090	3750		Battery 1	Sample 1	16.96	17.50	1.132	62.9	1.006	0.09	0.604	0.688
	LTE Band 43	20M	QPSK	100	0	Back	5mm	Ant 9	DSI 1	44690	3710		Battery 1	Sample 1	16.94	17.50	1.138	62.9	1.006	0.16	0.596	0.682
	LTE Band 43	20M	QPSK	1	0	Back	0mm	Ant 9	DSI 1	45490	3790	Holster	Battery 1	Sample 1	17.77	18.50	1.183	62.9	1.006	0.18	0.239	0.284
	LTE Band 43	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	45490	3790		Battery 1	Sample 2	17.77	18.50	1.183	62.9	1.006	0.16	0.580	0.690
	LTE Band 43	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	45490	3790		Battery 1	Sample 3	17.77	18.50	1.183	62.9	1.006	0.03	0.131	0.156
	LTE Band 43	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	45490	3790		Battery 1	Sample 4	17.77	18.50	1.183	62.9	1.006	-0.17	0.123	0.146
	LTE Band 43	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	45490	3790		Battery 2	Sample 1	17.77	18.50	1.183	62.9	1.006	0.16	0.959	1.141
	LTE Band 43	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1_WiFi ON	45490	3790		Battery 1	Sample 1	14.22	14.80	1.143	62.9	1.006	0.03	0.347	0.399

【FR1 SAR】

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Accessory	Battery	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n2	20M	BPSK	1	1	Front	5mm	Ant 2	DSI 1	376000	1880		Battery 1	Sample 1	21.13	21.50	1.089	-0.08	0.080	0.087
	FR1 n2	20M	BPSK	50	56	Front	5mm	Ant 2	DSI 1	376000	1880		Battery 1	Sample 1	21.03	21.50	1.114	0.12	0.070	0.078
77	FR1 n2	20M	BPSK	1	1	Back	5mm	Ant 2	DSI 1	376000	1880		Battery 1	Sample 1	21.13	21.50	1.089	-0.00	0.511	0.556
	FR1 n2	20M	BPSK	50	56	Back	5mm	Ant 2	DSI 1	376000	1880		Battery 1	Sample 1	21.03	21.50	1.114	-0.07	0.417	0.465
	FR1 n2	20M	BPSK	1	1	Back	0mm	Ant 2	DSI 1	376000	1880	Holster	Battery 1	Sample 1	21.13	21.50	1.089	-0.10	0.073	0.079
	FR1 n2	20M	BPSK	1	1	Back	5mm	Ant 2	DSI 1	376000	1880		Battery 1	Sample 2	21.13	21.50	1.089	0.14	0.439	0.478
	FR1 n2	20M	BPSK	1	1	Back	5mm	Ant 2	DSI 1	376000	1880		Battery 1	Sample 3	21.13	21.50	1.089	-0.19	0.294	0.320
	FR1 n2	20M	BPSK	1	1	Back	5mm	Ant 2	DSI 1	376000	1880		Battery 1	Sample 4	21.13	21.50	1.089	0.06	0.456	0.497
	FR1 n2	20M	BPSK	1	1	Back	5mm	Ant 2	DSI 1	376000	1880		Battery 2	Sample 1	21.13	21.50	1.089	-0.08	0.247	0.269
	FR1 n2	20M	BPSK	1	1	Back	5mm	Ant 2	DSI 1_WiFi ON	376000	1880		Battery 1	Sample 1	20.54	21.30	1.191	0.02	0.327	0.389
	FR1 n7	40M	BPSK	1	1	Front	5mm	Ant 1	DSI 1	507000	2535		Battery 1	Sample 1	23.85	25.00	1.303	0.13	0.379	0.494
	FR1 n7	40M	BPSK	108	54	Front	5mm	Ant 1	DSI 1	507000	2535		Battery 1	Sample 1	23.71	25.00	1.346	-0.08	0.356	0.479
78	FR1 n7	40M	BPSK	1	1	Back	5mm	Ant 1	DSI 1	507000	2535		Battery 1	Sample 1	23.85	25.00	1.303	-0.09	0.531	0.692
	FR1 n7	40M	BPSK	108	54	Back	5mm	Ant 1	DSI 1	507000	2535		Battery 1	Sample 1	23.71	25.00	1.346	-0.18	0.372	0.501
	FR1 n7	40M	BPSK	1	1	Back	0mm	Ant 1	DSI 1	507000	2535	Holster	Battery 1	Sample 1	23.85	25.00	1.303	-0.12	0.135	0.176
	FR1 n7	40M	BPSK	1	1	Back	5mm	Ant 1	DSI 1	507000	2535		Battery 1	Sample 2	23.85	25.00	1.303	-0.01	0.529	0.689
	FR1 n7	40M	BPSK	1	1	Back	5mm	Ant 1	DSI 1	507000	2535		Battery 1	Sample 3	23.85	25.00	1.303	-0.17	0.501	0.653
	FR1 n7	40M	BPSK	1	1	Back	5mm	Ant 1	DSI 1	507000	2535		Battery 1	Sample 4	23.85	25.00	1.303	0.01	0.397	0.517
	FR1 n7	40M	BPSK	1	1	Back	5mm	Ant 1	DSI 1	507000	2535		Battery 2	Sample 1	23.85	25.00	1.303	0.17	0.517	0.674
	FR1 n7	40M	BPSK	1	1	Back	5mm	Ant 1	DSI 1_WiFi ON	507000	2535		Battery 1	Sample 1	21.74	22.00	1.062	-0.03	0.371	0.394
	FR1 n12	15M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	141500	707.5		Battery 1	Sample 1	23.81	25.00	1.315	0.17	0.163	0.214
	FR1 n12	15M	BPSK	36	22	Front	5mm	Ant 8	DSI 1	141500	707.5		Battery 1	Sample 1	23.71	25.00	1.346	0.01	0.152	0.205
79	FR1 n12	15M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	141500	707.5		Battery 1	Sample 1	23.81	25.00	1.315	-0.01	0.507	0.667
	FR1 n12	15M	BPSK	36	22	Back	5mm	Ant 8	DSI 1	141500	707.5		Battery 1	Sample 1	23.71	25.00	1.346	-0.03	0.402	0.541
	FR1 n12	15M	BPSK	1	1	Back	0mm	Ant 8	DSI 1	141500	707.5	Holster	Battery 1	Sample 1	23.81	25.00	1.315	0.08	0.100	0.132
	FR1 n12	15M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	141500	707.5		Battery 1	Sample 2	23.81	25.00	1.315	-0.10	0.422	0.555
	FR1 n12	15M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	141500	707.5		Battery 1	Sample 3	23.81	25.00	1.315	0.16	0.419	0.551
	FR1 n12	15M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	141500	707.5		Battery 1	Sample 4	23.81	25.00	1.315	0.03	0.423	0.556
	FR1 n12	15M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	141500	707.5		Battery 2	Sample 1	23.81	25.00	1.315	-0.14	0.469	0.617



FCC SAR TEST REPORT

Report No. : FA5N2836B

	FR1 n12	15M	BPSK	1	1	Back	5mm	Ant 8	DSI 1_WiFi ON	141500	707.5		Battery 1	Sample 1	21.77	22.50	1.183	-0.03	0.332	0.393
	FR1 n25	30M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	376500	1882.5		Battery 1	Sample 1	21.37	22.30	1.239	-0.05	0.147	0.182
	FR1 n25	30M	BPSK	80	0	Front	5mm	Ant 8	DSI 1	376500	1882.5		Battery 1	Sample 1	21.21	22.30	1.285	0.10	0.139	0.179
80	FR1 n25	30M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	376500	1882.5		Battery 1	Sample 1	21.37	22.30	1.239	0.01	0.953	1.181
	FR1 n25	30M	BPSK	80	0	Back	5mm	Ant 8	DSI 1	376500	1882.5		Battery 1	Sample 1	21.21	22.30	1.285	0.06	0.654	0.840
	FR1 n25	30M	BPSK	160	0	Back	5mm	Ant 8	DSI 1	376500	1882.5		Battery 1	Sample 1	21.24	22.30	1.276	0.17	0.447	0.570
	FR1 n25	30M	BPSK	1	1	Back	0mm	Ant 8	DSI 1	376500	1882.5	Holster	Battery 1	Sample 1	21.37	22.30	1.239	-0.05	0.195	0.242
	FR1 n25	30M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	376500	1882.5		Battery 1	Sample 2	21.37	22.30	1.239	0.07	0.633	0.784
	FR1 n25	30M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	376500	1882.5		Battery 1	Sample 3	21.37	22.30	1.239	0.06	0.704	0.872
	FR1 n25	30M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	376500	1882.5		Battery 1	Sample 4	21.37	22.30	1.239	0.05	0.840	1.041
	FR1 n25	30M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	376500	1882.5		Battery 2	Sample 1	21.37	22.30	1.239	-0.02	0.888	1.100
	FR1 n25	30M	BPSK	1	1	Back	5mm	Ant 8	DSI 1_WiFi ON	376500	1882.5		Battery 1	Sample 1	17.42	18.20	1.197	0.05	0.329	0.394
	FR1 n26	20M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	166300	831.5		Battery 1	Sample 1	23.90	25.00	1.288	0.06	0.305	0.393
	FR1 n26	20M	BPSK	50	28	Front	5mm	Ant 8	DSI 1	166300	831.5		Battery 1	Sample 1	23.89	25.00	1.291	-0.08	0.297	0.383
81	FR1 n26	20M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	166300	831.5		Battery 1	Sample 1	23.90	25.00	1.288	0.03	0.855	1.101
	FR1 n26	20M	BPSK	50	28	Back	5mm	Ant 8	DSI 1	166300	831.5		Battery 1	Sample 1	23.89	25.00	1.291	-0.17	0.611	0.789
	FR1 n26	20M	BPSK	100	0	Back	5mm	Ant 8	DSI 1	166300	831.5		Battery 1	Sample 1	23.00	24.50	1.413	-0.12	0.496	0.701
	FR1 n26	20M	BPSK	1	1	Back	0mm	Ant 8	DSI 1	166300	831.5	Holster	Battery 1	Sample 1	23.90	25.00	1.288	0.14	0.099	0.128
	FR1 n26	20M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	166300	831.5		Battery 1	Sample 2	23.90	25.00	1.288	0.09	0.695	0.895
	FR1 n26	20M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	166300	831.5		Battery 1	Sample 3	23.90	25.00	1.288	0.12	0.827	1.065
	FR1 n26	20M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	166300	831.5		Battery 1	Sample 4	23.90	25.00	1.288	0.05	0.849	1.094
	FR1 n26	20M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	166300	831.5		Battery 2	Sample 1	23.90	25.00	1.288	-0.18	0.627	0.808
	FR1 n26	20M	BPSK	1	1	Back	5mm	Ant 8	DSI 1_WiFi ON	166300	831.5		Battery 1	Sample 1	20.00	20.60	1.148	-0.05	0.339	0.389
	FR1 n66	40M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	349000	1745		Battery 1	Sample 1	22.92	23.50	1.143	0.03	0.200	0.229
	FR1 n66	40M	BPSK	108	0	Front	5mm	Ant 8	DSI 1	349000	1745		Battery 1	Sample 1	22.73	23.50	1.194	0.12	0.189	0.226
82	FR1 n66	40M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	349000	1745		Battery 1	Sample 1	22.92	23.50	1.143	0.02	1.020	1.166
	FR1 n66	40M	BPSK	108	0	Back	5mm	Ant 8	DSI 1	349000	1745		Battery 1	Sample 1	22.73	23.50	1.194	0.15	0.834	0.996
	FR1 n66	40M	BPSK	216	0	Back	5mm	Ant 8	DSI 1	349000	1745		Battery 1	Sample 1	22.70	23.50	1.202	-0.10	0.781	0.939
	FR1 n66	40M	BPSK	1	1	Back	0mm	Ant 8	DSI 1	349000	1745	Holster	Battery 1	Sample 1	22.92	23.50	1.143	0.11	0.257	0.294
	FR1 n66	40M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	349000	1745		Battery 1	Sample 2	22.92	23.50	1.143	-0.18	0.901	1.030
	FR1 n66	40M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	349000	1745		Battery 1	Sample 3	22.92	23.50	1.143	0.09	0.979	1.119
	FR1 n66	40M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	349000	1745		Battery 1	Sample 4	22.92	23.50	1.143	-0.09	0.913	1.044
	FR1 n66	40M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	349000	1745		Battery 2	Sample 1	22.92	23.50	1.143	-0.14	0.885	1.012
	FR1 n66	40M	BPSK	1	1	Back	5mm	Ant 8	DSI 1_WiFi ON	349000	1745		Battery 1	Sample 1	18.56	19.00	1.107	-0.02	0.357	0.395
	FR1 n66	40M	BPSK	1	1	Front	5mm	Ant 2	DSI 1	349000	1745		Battery 1	Sample 1	21.41	21.50	1.021	0.17	0.246	0.251
	FR1 n66	40M	BPSK	108	54	Front	5mm	Ant 2	DSI 1	349000	1745		Battery 1	Sample 1	21.28	21.50	1.052	0.14	0.237	0.249
	FR1 n66	40M	BPSK	1	1	Back	5mm	Ant 2	DSI 1	349000	1745		Battery 1	Sample 1	21.41	21.50	1.021	-0.08	0.868	0.886
	FR1 n66	40M	BPSK	108	54	Back	5mm	Ant 2	DSI 1	349000	1745		Battery 1	Sample 1	21.28	21.50	1.052	-0.03	0.643	0.676
	FR1 n66	40M	BPSK	216	0	Back	5mm	Ant 2	DSI 1	349000	1745		Battery 1	Sample 1	21.25	21.50	1.059	0.04	0.632	0.669
	FR1 n66	40M	BPSK	1	1	Back	0mm	Ant 2	DSI 1	349000	1745	Holster	Battery 1	Sample 1	21.41	21.50	1.021	-0.16	0.120	0.123
	FR1 n66	40M	BPSK	1	1	Back	5mm	Ant 2	DSI 1	349000	1745		Battery 1	Sample 2	21.41	21.50	1.021	0.10	0.679	0.693
	FR1 n66	40M	BPSK	1	1	Back	5mm	Ant 2	DSI 1	349000	1745		Battery 1	Sample 3	21.41	21.50	1.021	-0.10	0.625	0.638
	FR1 n66	40M	BPSK	1	1	Back	5mm	Ant 2	DSI 1	349000	1745		Battery 1	Sample 4	21.41	21.50	1.021	-0.10	0.647	0.661
	FR1 n66	40M	BPSK	1	1	Back	5mm	Ant 2	DSI 1	349000	1745		Battery 2	Sample 1	21.41	21.50	1.021	-0.17	0.423	0.432
	FR1 n66	40M	BPSK	1	1	Back	5mm	Ant 2	DSI 1_WiFi ON	349000	1745		Battery 1	Sample 1	18.33	18.90	1.14	0.06	0.343	0.391
	FR1 n71	20M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	136100	680.5		Battery 1	Sample 1	23.82	25.00	1.312	0.16	0.109	0.143
	FR1 n71	20M	BPSK	50	28	Front	5mm	Ant 8	DSI 1	136100	680.5		Battery 1	Sample 1	23.76	25.00	1.33	0.01	0.100	0.133
83	FR1 n71	20M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	136100	680.5		Battery 1	Sample 1	23.82	25.00	1.312	-0.01	0.358	0.470
	FR1 n71	20M	BPSK	50	28	Back	5mm	Ant 8	DSI 1	136100	680.5		Battery 1	Sample 1	23.76	25.00	1.33	0.07	0.351	0.467
	FR1 n71	20M	BPSK	1	1	Back	0mm	Ant 8	DSI 1	136100	680.5	Holster	Battery 1	Sample 1	23.82	25.00	1.312	-0.06	0.069	0.091
	FR1 n71	20M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	136100	680.5		Battery 1	Sample 2	23.82	25.00	1.312	-0.04	0.271	0.356
	FR1 n71	20M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	136100	680.5		Battery 1	Sample 3	23.82	25.00	1.312	0.06	0.315	0.413
	FR1 n71	20M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	136100	680.5		Battery 1	Sample 4	23.82	25.00	1.312	0.12	0.246	0.323
	FR1 n71	20M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	136100	680.5		Battery 2	Sample 1	23.82	25.00	1.312	-0.07	0.309	0.405
	FR1 n71	20M	BPSK	1	1	Back	5mm	Ant 8	DSI 1_WiFi ON	136100	680.5		Battery 1	Sample 1	23.82	24.20	1.091	-0.01	0.358	0.391
	FR1 n41	100M	BPSK	1	1	Front	5mm	Ant 1	DSI 1	518598	2592.99		Battery 1	Sample 1	24.00	25.00	1.259	0.16	0.357	0.449
	FR1 n41	100M	BPSK	135	69	Front	5mm	Ant 1	DSI 1	518598	2592.99		Battery 1	Sample 1	23.91	25.00	1.285	0.14	0.339	0.436
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 1	DSI 1	518598	2592.99		Battery 1	Sample 1	24.00	25.00	1.259	-0.06	0.536	0.675
	FR1 n41	100M	BPSK	135	69	Back	5mm	Ant 1	DSI 1	518598	2592.99		Battery 1	Sample 1	23.91	25.00	1.285	-0.05	0.429	0.551
	FR1 n41_HPUE	100M	BPSK	1	1	Back	5mm	Ant 1	DSI 1	518598	2592.99		Battery 1	Sample 1	26.63	27.50	1.222	0.04	0.446	0.545
	FR1 n41	100M	BPSK	1	1	Back	0mm	Ant 1	DSI 1	518598	2592.99	Holster	Battery 1	Sample 1	24.00	25.00	1.259	0.05	0.162	0.204
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 1	DSI 1	518598	2592.99		Battery 1	Sample 2	24.00	25.00	1.259	0.04	0.501	0.631
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 1	DSI 1	518598	2592.99		Battery 1	Sample 3	24.00	25.00	1.259	-0.08	0.507	0.638
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 1	DSI 1	518598	2592.99		Battery 1	Sample 4	24.00	25.00	1.259	0.01	0.444	0.559
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 1	DSI 1	518598	2592.99		Battery 2	Sample 1	24.00	25.00	1.259	0.18	0.465	0.585
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 1	DSI 1_WiFi ON	518598	2592.99		Battery 1	Sample 1	21.36	21.80	1.107	-0.01	0.352	0.390
	FR1 n41	100M	BPSK	1	1	Front	5mm	Ant 3	DSI 1	518598	2592.99		Battery 1	Sample 1	17.98	19.70	1.486	-0.13	0.079	0.117
	FR1 n41	100M	BPSK	135	69	Front	5mm	Ant 3	DSI 1	518598	2592.99		Battery 1	Sample 1	17.86	19.70	1.528	0.05	0.067	0.102
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	518598	2592.99		Battery 1	Sample 1	17.98	19.70	1.486	-0.05	0.641	0.953
	FR1 n41	100M	BPSK	135																



FCC SAR TEST REPORT

Report No. : FA5N2836B

	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	518598	2592.99		Battery 1	Sample 2	17.98	19.70	1.486	0.12	0.366	0.544
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	518598	2592.99		Battery 1	Sample 2	17.98	19.70	1.486	0.16	0.393	0.584
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	518598	2592.99		Battery 1	Sample 2	17.98	19.70	1.486	-0.16	0.496	0.737
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	518598	2592.99		Battery 2	Sample 1	17.98	19.70	1.486	0.17	0.287	0.426
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1_WiFi ON	518598	2592.99		Battery 1	Sample 1	16.41	16.50	1.021	0.02	0.373	0.381
	FR1 n41	100M	BPSK	1	1	Front	5mm	Ant 4	DSI 1	518598	2592.99		Battery 1	Sample 1	22.00	22.50	1.122	0.15	0.203	0.228
	FR1 n41	100M	BPSK	135	69	Front	5mm	Ant 4	DSI 1	518598	2592.99		Battery 1	Sample 1	21.93	22.50	1.14	0.08	0.197	0.225
84	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	518598	2592.99		Battery 1	Sample 1	22.00	22.50	1.122	-0.04	1.040	1.167
	FR1 n41	100M	BPSK	135	69	Back	5mm	Ant 4	DSI 1	518598	2592.99		Battery 1	Sample 1	21.93	22.50	1.14	0.10	0.986	1.124
	FR1 n41	100M	BPSK	270	0	Back	5mm	Ant 4	DSI 1	518598	2592.99		Battery 1	Sample 1	21.43	22.50	1.279	0.14	0.901	1.152
	FR1 n41_HPUE	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	518598	2592.99		Battery 1	Sample 1	24.04	25.00	1.247	-0.00	0.777	0.969
	FR1 n41	100M	BPSK	1	1	Back	0mm	Ant 4	DSI 1	518598	2592.99	Holster	Battery 1	Sample 1	22.00	22.50	1.122	0.03	0.106	0.119
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	518598	2592.99		Battery 1	Sample 2	22.00	22.50	1.122	0.10	0.612	0.687
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	518598	2592.99		Battery 1	Sample 2	22.00	22.50	1.122	0.07	0.457	0.513
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	518598	2592.99		Battery 1	Sample 2	22.00	22.50	1.122	0.10	0.564	0.633
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	518598	2592.99		Battery 2	Sample 1	22.00	22.50	1.122	0.05	0.406	0.456
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1_WiFi ON	518598	2592.99		Battery 1	Sample 1	18.80	18.90	1.023	-0.05	0.380	0.389
	FR1 n41	100M	BPSK	1	1	Front	5mm	Ant 5	DSI 1	518598	2592.99		Battery 1	Sample 1	21.01	21.60	1.146	-0.04	0.308	0.353
	FR1 n41	100M	BPSK	135	69	Front	5mm	Ant 5	DSI 1	518598	2592.99		Battery 1	Sample 1	20.82	21.60	1.197	0.18	0.227	0.272
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 5	DSI 1	518598	2592.99		Battery 1	Sample 1	21.01	21.60	1.146	0.02	0.972	1.114
	FR1 n41	100M	BPSK	135	69	Back	5mm	Ant 5	DSI 1	518598	2592.99		Battery 1	Sample 1	20.82	21.60	1.197	-0.03	0.826	0.989
	FR1 n41	100M	BPSK	270	0	Back	5mm	Ant 5	DSI 1	518598	2592.99		Battery 1	Sample 1	20.71	21.60	1.227	0.02	0.824	1.011
	FR1 n41_HPUE	100M	BPSK	1	1	Back	5mm	Ant 5	DSI 1	518598	2592.99		Battery 1	Sample 1	23.40	24.60	1.318	0.04	0.816	1.075
	FR1 n41	100M	BPSK	1	1	Back	0mm	Ant 5	DSI 1	518598	2592.99	Holster	Battery 1	Sample 1	21.01	21.60	1.146	-0.01	0.304	0.348
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 5	DSI 1	518598	2592.99		Battery 1	Sample 2	21.01	21.60	1.146	-0.15	0.880	1.008
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 5	DSI 1	518598	2592.99		Battery 1	Sample 2	21.01	21.60	1.146	-0.12	0.940	1.077
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 5	DSI 1	518598	2592.99		Battery 1	Sample 2	21.01	21.60	1.146	-0.00	0.962	1.102
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 5	DSI 1	518598	2592.99		Battery 2	Sample 1	21.01	21.60	1.146	-0.06	0.423	0.485
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 5	DSI 1_WiFi ON	518598	2592.99		Battery 1	Sample 1	17.03	18.00	1.25	0.07	0.314	0.393
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 9	DSI 1	633332	3499.98		Battery 1	Sample 1	16.60	17.00	1.096	-0.05	0.200	0.219
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 9	DSI 1	633332	3499.98		Battery 1	Sample 1	16.49	17.00	1.125	-0.13	0.190	0.214
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	633332	3499.98		Battery 1	Sample 1	16.60	17.00	1.096	-0.04	0.612	0.671
	FR1 n77	100M	BPSK	135	69	Back	5mm	Ant 9	DSI 1	633332	3499.98		Battery 1	Sample 1	16.49	17.00	1.125	0.14	0.570	0.641
	FR1 n77_HPUE	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	633332	3499.98		Battery 1	Sample 1	19.68	20.00	1.076	-0.02	0.613	0.660
	FR1 n77	100M	BPSK	1	1	Back	0mm	Ant 9	DSI 1	633332	3499.98	Holster	Battery 1	Sample 1	16.60	17.00	1.096	0.18	0.065	0.071
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	633332	3499.98		Battery 1	Sample 2	16.60	17.00	1.096	0.13	0.601	0.659
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	633332	3499.98		Battery 1	Sample 3	16.60	17.00	1.096	-0.12	0.164	0.180
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	633332	3499.98		Battery 1	Sample 4	16.60	17.00	1.096	-0.09	0.137	0.150
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	633332	3499.98		Battery 2	Sample 1	16.60	17.00	1.096	0.10	0.506	0.555
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1_WiFi ON	633332	3499.98		Battery 1	Sample 1	12.62	12.80	1.042	0.05	0.295	0.307
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	633332	3499.98		Battery 1	Sample 1	20.30	20.80	1.122	-0.01	0.781	0.876
	FR1 n77	100M	BPSK	135	0	Front	5mm	Ant 8	DSI 1	633332	3499.98		Battery 1	Sample 1	20.13	20.80	1.167	-0.13	0.663	0.774
	FR1 n77	100M	BPSK	270	0	Front	5mm	Ant 8	DSI 1	633332	3499.98		Battery 1	Sample 1	20.08	20.80	1.18	-0.11	0.615	0.726
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	633332	3499.98		Battery 1	Sample 1	20.30	20.80	1.122	-0.18	0.598	0.671
	FR1 n77	100M	BPSK	135	0	Back	5mm	Ant 8	DSI 1	633332	3499.98		Battery 1	Sample 1	20.13	20.80	1.167	-0.09	0.542	0.633
	FR1 n77_HPUE	100M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	633332	3499.98		Battery 1	Sample 1	23.26	23.80	1.132	-0.07	0.703	0.796
	FR1 n77	100M	BPSK	1	1	Front	0mm	Ant 8	DSI 1	633332	3499.98	Holster	Battery 1	Sample 1	20.30	20.80	1.122	0.05	0.091	0.102
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	633332	3499.98		Battery 1	Sample 2	20.30	20.80	1.122	0.06	0.703	0.789
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	633332	3499.98		Battery 1	Sample 3	20.30	20.80	1.122	-0.10	0.691	0.775
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	633332	3499.98		Battery 1	Sample 4	20.30	20.80	1.122	-0.06	0.635	0.712
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	633332	3499.98		Battery 2	Sample 1	20.30	20.80	1.122	0.10	0.741	0.831
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 8	DSI 1_WiFi ON	633332	3499.98		Battery 1	Sample 1	17.29	18.30	1.262	-0.09	0.327	0.413
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1_WiFi ON	633332	3499.98		Battery 1	Sample 1	17.29	18.30	1.262	0.06	0.263	0.332
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 3	DSI 1	633332	3499.98		Battery 1	Sample 1	17.64	17.90	1.062	-0.15	0.092	0.098
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 3	DSI 1	633332	3499.98		Battery 1	Sample 1	17.45	17.90	1.109	-0.03	0.090	0.100
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	633332	3499.98		Battery 1	Sample 1	17.64	17.90	1.062	0.03	0.324	0.344
	FR1 n77	100M	BPSK	135	69	Back	5mm	Ant 3	DSI 1	633332	3499.98		Battery 1	Sample 1	17.45	17.90	1.109	0.09	0.300	0.333
	FR1 n77_HPUE	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	633332	3499.98		Battery 1	Sample 1	20.56	20.90	1.081	-0.04	0.292	0.316
	FR1 n77	100M	BPSK	1	1	Back	0mm	Ant 3	DSI 1	633332	3499.98	Holster	Battery 1	Sample 1	17.64	17.90	1.062	-0.10	0.046	0.049
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	633332	3499.98		Battery 1	Sample 2	17.64	17.90	1.062	-0.04	0.256	0.272
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	633332	3499.98		Battery 1	Sample 3	17.64	17.90	1.062	-0.09	0.302	0.321
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	633332	3499.98		Battery 1	Sample 4	17.64	17.90	1.062	-0.09	0.267	0.284
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	633332	3499.98		Battery 2	Sample 1	17.64	17.90	1.062	0.11	0.178	0.189
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 4	DSI 1	633332	3499.98		Battery 1	Sample 1	18.14	18.20	1.014	-0.12	0.123	0.125
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 4	DSI 1	633332	3499.98		Battery 1	Sample 1	17.99	18.20	1.05	0.14	0.110	0.116
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	633332	3499.98		Battery 1	Sample 1	18.14	18.20	1.014	0.09	0.568	0.576
	FR1 n77	100M	BPSK	135	69	Back	5mm	Ant 4	DSI 1	633332	3499.98		Battery 1	Sample 1	17.99	18.20	1.05	0.04	0.414	0.435
	FR1 n77_HPUE	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	633332	3499.98		Battery 1	Sample 1	21.20	21.20	1.0	0.05	0.526	0.526
	FR1 n77	100M	BPSK	1	1	Back														



FCC SAR TEST REPORT

Report No. : FA5N2836B

	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1_WiFi ON	633332	3499.98		Battery 1	Sample 1	14.01	14.70	1.172	-0.08	0.229	0.268
	FR1 n77/n78	100M	BPSK	1	1	Front	5mm	Ant 9	DSI 1	641666	3624.99		Battery 1	Sample 1	16.28	17.00	1.18	0.05	0.083	0.098
	FR1 n77/n78	100M	BPSK	135	69	Front	5mm	Ant 9	DSI 1	641666	3624.99		Battery 1	Sample 1	16.06	17.00	1.242	-0.02	0.077	0.096
	FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	641666	3624.99		Battery 1	Sample 1	16.28	17.00	1.18	-0.03	0.534	0.630
	FR1 n77/n78	100M	BPSK	135	69	Back	5mm	Ant 9	DSI 1	641666	3624.99		Battery 1	Sample 1	16.06	17.00	1.242	-0.05	0.503	0.625
	FR1 n77/n78	100M	BPSK	1	1	Back	0mm	Ant 9	DSI 1	641666	3624.99	Holster	Battery 1	Sample 1	16.28	17.00	1.18	-0.08	0.082	0.097
	FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	641666	3624.99		Battery 1	Sample 2	16.28	17.00	1.18	0.19	0.405	0.478
	FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	641666	3624.99		Battery 1	Sample 3	16.28	17.00	1.18	0.14	0.154	0.182
	FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	641666	3624.99		Battery 1	Sample 4	16.28	17.00	1.18	-0.06	0.146	0.172
	FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	641666	3624.99		Battery 2	Sample 1	16.28	17.00	1.18	0.10	0.447	0.527
	FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1_WiFi ON	641666	3624.99		Battery 1	Sample 1	12.55	12.80	1.059	-0.04	0.246	0.261
	FR1 n77/n78	100M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	641666	3624.99		Battery 1	Sample 1	20.07	20.80	1.183	-0.11	0.628	0.743
	FR1 n77/n78	100M	BPSK	135	0	Front	5mm	Ant 8	DSI 1	641666	3624.99		Battery 1	Sample 1	19.93	20.80	1.222	-0.04	0.554	0.677
	FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	641666	3624.99		Battery 1	Sample 1	20.07	20.80	1.183	0.18	0.249	0.295
	FR1 n77/n78	100M	BPSK	135	0	Back	5mm	Ant 8	DSI 1	641666	3624.99		Battery 1	Sample 1	19.93	20.80	1.222	-0.08	0.228	0.279
	FR1 n77/n78	100M	BPSK	1	1	Front	0mm	Ant 8	DSI 1	641666	3624.99	Holster	Battery 1	Sample 1	20.07	20.80	1.183	-0.08	0.066	0.078
	FR1 n77/n78	100M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	641666	3624.99		Battery 1	Sample 2	20.07	20.80	1.183	0.00	0.321	0.380
	FR1 n77/n78	100M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	641666	3624.99		Battery 1	Sample 3	20.07	20.80	1.183	-0.17	0.447	0.529
	FR1 n77/n78	100M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	641666	3624.99		Battery 1	Sample 4	20.07	20.80	1.183	-0.16	0.446	0.528
	FR1 n77/n78	100M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	641666	3624.99		Battery 2	Sample 1	20.07	20.80	1.183	-0.05	0.486	0.575
	FR1 n77/n78	100M	BPSK	1	1	Front	5mm	Ant 3	DSI 1	641666	3624.99		Battery 1	Sample 1	17.61	17.90	1.069	-0.06	0.145	0.155
	FR1 n77/n78	100M	BPSK	135	69	Front	5mm	Ant 3	DSI 1	641666	3624.99		Battery 1	Sample 1	17.49	17.90	1.099	-0.11	0.144	0.158
	FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	641666	3624.99		Battery 1	Sample 1	17.61	17.90	1.069	-0.02	1.090	1.165
	FR1 n77/n78	100M	BPSK	135	69	Back	5mm	Ant 3	DSI 1	641666	3624.99		Battery 1	Sample 1	17.49	17.90	1.099	-0.10	0.856	0.941
	FR1 n77/n78	100M	BPSK	270	0	Back	5mm	Ant 3	DSI 1	641666	3624.99		Battery 1	Sample 1	17.19	17.90	1.178	0.09	0.833	0.981
	FR1 n77/n78	100M	BPSK	1	1	Back	0mm	Ant 3	DSI 1	641666	3624.99	Holster	Battery 1	Sample 1	17.61	17.90	1.069	-0.08	0.076	0.081
	FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	641666	3624.99		Battery 1	Sample 2	17.61	17.90	1.069	0.12	0.346	0.370
	FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	641666	3624.99		Battery 1	Sample 3	17.61	17.90	1.069	-0.05	0.362	0.387
	FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	641666	3624.99		Battery 1	Sample 4	17.61	17.90	1.069	-0.19	0.365	0.390
	FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	641666	3624.99		Battery 2	Sample 1	17.61	17.90	1.069	-0.02	0.824	0.881
	FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1_WiFi ON	641666	3624.99		Battery 1	Sample 1	12.77	13.10	1.079	-0.03	0.362	0.391
	FR1 n77/n78	100M	BPSK	1	1	Front	5mm	Ant 4	DSI 1	641666	3624.99		Battery 1	Sample 1	17.89	18.20	1.074	0.12	0.336	0.361
	FR1 n77/n78	100M	BPSK	135	69	Front	5mm	Ant 4	DSI 1	641666	3624.99		Battery 1	Sample 1	17.73	18.20	1.114	-0.04	0.322	0.359
85	FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	641666	3624.99		Battery 1	Sample 1	17.89	18.20	1.074	0.02	1.100	1.181
	FR1 n77/n78	100M	BPSK	135	69	Back	5mm	Ant 4	DSI 1	641666	3624.99		Battery 1	Sample 1	17.73	18.20	1.114	0.08	1.010	1.125
	FR1 n77/n78	100M	BPSK	270	0	Back	5mm	Ant 4	DSI 1	641666	3624.99		Battery 1	Sample 1	17.70	18.20	1.122	0.08	0.996	1.118
	FR1 n77/n78	100M	BPSK	1	1	Back	0mm	Ant 4	DSI 1	641666	3624.99	Holster	Battery 1	Sample 1	17.89	18.20	1.074	-0.16	0.051	0.055
	FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	641666	3624.99		Battery 1	Sample 2	17.89	18.20	1.074	0.08	0.285	0.306
	FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	641666	3624.99		Battery 1	Sample 3	17.89	18.20	1.074	0.10	0.960	1.031
	FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	641666	3624.99		Battery 1	Sample 4	17.89	18.20	1.074	-0.03	0.649	0.697
	FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	641666	3624.99		Battery 2	Sample 1	17.89	18.20	1.074	0.09	0.449	0.482
	FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1_WiFi ON	641666	3624.99		Battery 1	Sample 1	13.38	14.70	1.355	-0.02	0.284	0.385
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 9	DSI 1	656000	3840		Battery 1	Sample 1	15.70	17.00	1.349	-0.13	0.081	0.109
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 9	DSI 1	656000	3840		Battery 1	Sample 1	15.46	17.00	1.426	0.11	0.077	0.110
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	656000	3840		Battery 1	Sample 1	15.70	17.00	1.349	0.04	0.871	1.175
	FR1 n77	100M	BPSK	135	69	Back	5mm	Ant 9	DSI 1	656000	3840		Battery 1	Sample 1	15.46	17.00	1.426	0.17	0.821	1.171
	FR1 n77	100M	BPSK	270	0	Back	5mm	Ant 9	DSI 1	656000	3840		Battery 1	Sample 1	15.34	17.00	1.466	0.06	0.799	1.171
	FR1 n77_HPUE	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	656000	3840		Battery 1	Sample 1	18.87	20.00	1.297	-0.00	0.900	1.167
	FR1 n77	100M	BPSK	1	1	Back	0mm	Ant 9	DSI 1	656000	3840	Holster	Battery 1	Sample 1	15.70	17.00	1.349	0.12	0.199	0.268
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	656000	3840		Battery 1	Sample 2	15.70	17.00	1.349	-0.10	0.389	0.525
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	656000	3840		Battery 1	Sample 3	15.70	17.00	1.349	0.17	0.126	0.170
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	656000	3840		Battery 1	Sample 4	15.70	17.00	1.349	0.12	0.114	0.154
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	656000	3840		Battery 2	Sample 1	15.70	17.00	1.349	-0.10	0.800	1.079
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1_WiFi ON	656000	3840		Battery 1	Sample 1	11.89	12.80	1.233	0.01	0.317	0.391
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	656000	3840		Battery 1	Sample 1	20.24	20.80	1.138	-0.04	0.424	0.483
	FR1 n77	100M	BPSK	135	0	Front	5mm	Ant 8	DSI 1	656000	3840		Battery 1	Sample 1	20.15	20.80	1.161	-0.15	0.410	0.476
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	656000	3840		Battery 1	Sample 1	20.24	20.80	1.138	-0.03	1.030	1.172
	FR1 n77	100M	BPSK	135	0	Back	5mm	Ant 8	DSI 1	656000	3840		Battery 1	Sample 1	20.15	20.80	1.161	0.17	0.924	1.073
	FR1 n77	100M	BPSK	270	0	Back	5mm	Ant 8	DSI 1	656000	3840		Battery 1	Sample 1	20.10	20.80	1.175	-0.09	0.939	1.103
	FR1 n77_HPUE	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	656000	3840		Battery 1	Sample 1	23.20	23.80	1.148	-0.17	0.971	1.115
	FR1 n77	100M	BPSK	1	1	Back	0mm	Ant 8	DSI 1	656000	3840	Holster	Battery 1	Sample 1	20.24	20.80	1.138	-0.13	0.207	0.236
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	656000	3840		Battery 1	Sample 2	20.24	20.80	1.138	-0.11	0.882	1.004
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	656000	3840		Battery 1	Sample 3	20.24	20.80	1.138	0.04	0.921	1.048
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	656000	3840		Battery 1	Sample 4	20.24	20.80	1.138	0.05	0.981	1.116
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	656000	3840		Battery 2	Sample 1	20.24	20.80	1.138	-0.14	0.989	1.125
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1_WiFi ON	656000	3840		Battery 1	Sample 1	17.76	18.30	1.132	0.04	0.342	0.387
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 3	DSI 1	656000	3840		Battery 1	Sample 1	17.59	17.90	1.074	0.07	0.203	0.218
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 3	DSI 1	656000	3840		Battery 1	Sample 1	17.54	17.90	1.086	0.15	0.187	0.203



FCC SAR TEST REPORT

Report No. : FA5N2836B

	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	656000	3840		Battery 1	Sample 3	17.59	17.90	1.074	0.13	0.294	0.316
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	656000	3840		Battery 1	Sample 4	17.59	17.90	1.074	0.03	0.269	0.289
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	656000	3840		Battery 2	Sample 1	17.59	17.90	1.074	-0.07	0.357	0.383
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1_WIFI ON	656000	3840		Battery 1	Sample 1	13.10	13.10	1.0	-0.12	0.238	0.238
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 4	DSI 1	656000	3840		Battery 1	Sample 1	18.16	18.20	1.009	0.08	0.098	0.099
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 4	DSI 1	656000	3840		Battery 1	Sample 1	18.15	18.20	1.012	0.09	0.089	0.090
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	656000	3840		Battery 1	Sample 1	18.16	18.20	1.009	0.06	0.956	0.965
	FR1 n77	100M	BPSK	135	69	Back	5mm	Ant 4	DSI 1	656000	3840		Battery 1	Sample 1	18.15	18.20	1.012	-0.19	0.669	0.677
	FR1 n77	100M	BPSK	270	0	Back	5mm	Ant 4	DSI 1	656000	3840		Battery 1	Sample 1	18.11	18.20	1.021	0.08	0.665	0.679
	FR1 n77_HPUE	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	656000	3840		Battery 1	Sample 1	21.19	21.20	1.002	0.02	0.869	0.871
	FR1 n77	100M	BPSK	1	1	Back	0mm	Ant 4	DSI 1	656000	3840	Holster	Battery 1	Sample 1	18.16	18.20	1.009	-0.07	0.084	0.085
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	656000	3840		Battery 1	Sample 2	18.16	18.20	1.009	0.13	0.926	0.934
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	656000	3840		Battery 1	Sample 3	18.16	18.20	1.009	-0.09	0.723	0.730
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	656000	3840		Battery 1	Sample 4	18.16	18.20	1.009	-0.13	0.692	0.698
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	656000	3840		Battery 2	Sample 1	18.16	18.20	1.009	-0.16	0.739	0.746
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1_WIFI ON	656000	3840		Battery 1	Sample 1	13.95	14.70	1.189	-0.03	0.361	0.429

【WLAN 2.4GHz_5GHz SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Accessory	Battery	Sample	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	5mm	Ant 6	Power table 2 Non-DBS	1	2412	-	Battery 1	Sample 1	16.38	17.00	1.153	98.21	1.018	0.01	0.224	0.263
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	Power table 2 Non-DBS	1	2412	-	Battery 1	Sample 1	16.38	17.00	1.153	98.21	1.018	0.03	0.362	0.425
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6	Power table 2 Non-DBS	1	2412	Holster	Battery 1	Sample 1	16.38	17.00	1.153	98.21	1.018	0.05	0.047	0.055
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	Power table 2 Non-DBS	1	2412	-	Battery 1	Sample 2	16.38	17.00	1.153	98.21	1.018	-0.09	0.331	0.389
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	Power table 2 Non-DBS	1	2412	-	Battery 1	Sample 3	16.38	17.00	1.153	98.21	1.018	0.01	0.331	0.389
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	Power table 2 Non-DBS	1	2412	-	Battery 1	Sample 4	16.38	17.00	1.153	98.21	1.018	0.09	0.315	0.370
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	Power table 2 Non-DBS	1	2412	-	Battery 2	Sample 1	16.38	17.00	1.153	98.21	1.018	0.12	0.330	0.387
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 7	Power table 2 Non-DBS	1	2412	-	Battery 1	Sample 1	16.48	17.00	1.127	98.35	1.017	0.17	0.103	0.118
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 7	Power table 2 Non-DBS	1	2412	-	Battery 1	Sample 1	16.48	17.00	1.127	98.35	1.017	0.08	0.304	0.348
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 7	Power table 2 Non-DBS	1	2412	Holster	Battery 1	Sample 1	16.48	17.00	1.127	98.35	1.017	-0.05	0.133	0.152
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 7	Power table 2 Non-DBS	1	2412	-	Battery 1	Sample 2	16.48	17.00	1.127	98.35	1.017	0.16	0.265	0.304
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 7	Power table 2 Non-DBS	1	2412	-	Battery 1	Sample 3	16.48	17.00	1.127	98.35	1.017	0.06	0.262	0.300
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 7	Power table 2 Non-DBS	1	2412	-	Battery 1	Sample 4	16.48	17.00	1.127	98.35	1.017	0.00	0.261	0.299
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 7	Power table 2 Non-DBS	1	2412	-	Battery 2	Sample 1	16.48	17.00	1.127	98.35	1.017	-0.18	0.301	0.345
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant MIMO(7)	Power table 2 Non-DBS	11	2462	-	Battery 1	Sample 1	16.48	17.00	1.127	98.05	1.02	0.17	0.393	0.452
86	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	11	2462	-	Battery 1	Sample 1	16.48	17.00	1.127	98.05	1.02	0.07	1.020	1.173
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	1	2412	-	Battery 1	Sample 1	16.48	17.00	1.127	98.05	1.02	-0.13	0.705	0.810
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	6	2437	-	Battery 1	Sample 1	16.48	17.00	1.127	98.05	1.02	0.18	0.794	0.913
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant MIMO(7)	Power table 2 Non-DBS	11	2462	Holster	Battery 1	Sample 1	16.48	17.00	1.127	98.05	1.02	0.06	0.217	0.249
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	11	2462	-	Battery 1	Sample 2	16.48	17.00	1.127	98.05	1.02	-0.13	0.910	1.046
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	11	2462	-	Battery 1	Sample 3	16.48	17.00	1.127	98.05	1.02	0.15	0.910	1.046
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	11	2462	-	Battery 1	Sample 4	16.48	17.00	1.127	98.05	1.02	-0.05	0.753	0.866
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	11	2462	-	Battery 2	Sample 1	16.48	17.00	1.127	98.05	1.02	-0.12	0.986	1.133
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant MIMO(7)	Power table 2 DBS	11	2462	-	Battery 1	Sample 1	14.08	15.00	1.236	98.05	1.02	0.18	0.475	0.599
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant MIMO(7)	Power table 2 Non-DBS	58	5290	-	Battery 1	Sample 1	14.00	14.50	1.122	99.28	1.007	0.01	0.188	0.212
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	58	5290	-	Battery 1	Sample 1	14.00	14.50	1.122	99.28	1.007	-0.16	0.996	1.125
	WLAN5GHz	802.11n-HT40 MCS0	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	62	5310	-	Battery 1	Sample 1	14.20	14.50	1.072	99.62	1.004	0.06	0.988	1.063
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant MIMO(7)	Power table 2 Non-DBS	58	5290	Holster	Battery 1	Sample 1	14.00	14.50	1.122	99.62	1.004	0.16	0.239	0.269
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	58	5290	-	Battery 1	Sample 2	14.00	14.50	1.122	99.62	1.004	0.13	0.818	0.921
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	58	5290	-	Battery 1	Sample 3	14.00	14.50	1.122	99.62	1.004	0.13	0.736	0.829
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	58	5290	-	Battery 1	Sample 4	14.00	14.50	1.122	99.62	1.004	-0.02	0.839	0.945
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	58	5290	-	Battery 2	Sample 1	14.00	14.50	1.122	99.62	1.004	0.02	0.953	1.074
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	5mm	Ant MIMO(7)	Power table 2 DBS	50	5250	-	Battery 1	Sample 1	11.70	12.00	1.072	99.26	1.007	0.10	0.543	0.586
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant MIMO(7)	Power table 2 Non-DBS	106	5530	-	Battery 1	Sample 1	14.50	15.50	1.259	99.28	1.007	-0.10	0.340	0.431
88	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	106	5530	-	Battery 1	Sample 1	14.50	15.50	1.259	99.28	1.007	-0.00	0.901	1.142
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	122	5610	-	Battery 1	Sample 1	14.40	15.50	1.288	99.28	1.007	0.05	0.859	1.114
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant MIMO(7)	Power table 2 Non-DBS	106	5530	Holster	Battery 1	Sample 1	14.50	15.50	1.259	99.28	1.007	-0.01	0.241	0.306
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	106	5530	-	Battery 1	Sample 2	14.50	15.50	1.259	99.28	1.007	0.04	0.847	1.074
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	106	5530	-	Battery 1	Sample 3	14.50	15.50	1.259	99.28	1.007	-0.13	0.775	0.983
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	106	5530	-	Battery 1	Sample 4	14.50	15.50	1.259	99.28	1.007	-0.07	0.877	1.112
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	106	5530	-	Battery 2	Sample 1	14.50	15.50	1.259	99.28	1.007	-0.04	0.751	0.952
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	5mm	Ant MIMO(7)	Power table 2 DBS	114	5570	-	Battery 1	Sample 1	12.20	12.50	1.072	99.26	1.007	-0.16	0.544	0.587
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant MIMO(7)	Power table 2 Non-DBS	155	5775	-	Battery 1	Sample 1	16.00	16.50	1.122	99.28	1.007	0.04	0.282	0.319
89	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	155	5775	-	Battery 1	Sample 1	16.00	16.50	1.122	99.28	1.007	-0.10	0.990	1.119
	WLAN5GHz	802.11n-HT40 MCS0	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	159	5795	-	Battery 1	Sample 1	15.90	16.50	1.148	99.75	1.003	0.12	0.956	1.101
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant MIMO(7)	Power table 2 Non-DBS	155	5775	Holster	Battery 1	Sample 1	16.00	16.50	1.122	99.28	1.007	-0.05	0.235	0.266
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	155	5775	-	Battery 1	Sample 2	16.00	16.50	1.122	99.28	1.007	0.15	0.890	1.006
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	155	5775	-	Battery 1	Sample 3	16.00	16.50	1.122	99.28	1.007	0.14	0.937	1.059
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	155	5775	-	Battery 1	Sample 4	16.00	16.50	1.122	99.28	1.007	-0.16	0.880	0.994
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	155	5775	-	Battery 2	Sample 1	16.00	16.50	1.122	99.28	1.007	0.07	0.930	1.051
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant MIMO(7)	Power table 2 DBS	155	5775	-	Battery 1	Sample 1	12.80	13.50	1.175	99.28	1.007	-0.12	0.498	0.589



【WLAN 6GHz SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Accessory	Battery	Sample	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-HE160 MCS0	Front	5mm	Ant MIMO(6)	Power table 2 Non-DBS	111	6505	-	Battery 1	Sample 1	9.10	10.00	1.23	99.76	1.002	0.15	0.069	0.085	0.563	0.694
	WLAN6GHz	802.11ax-HE160 MCS0	Back	5mm	Ant MIMO(6)	Power table 2 Non-DBS	111	6505	-	Battery 1	Sample 1	9.10	10.00	1.23	99.76	1.002	-0.06	0.174	0.214	1.390	1.713
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant MIMO(6)	Power table 2 Non-DBS	111	6505	Holster	Battery 1	Sample 1	9.10	10.00	1.23	99.76	1.002	0.00	0.048	0.059	0.399	0.492
	WLAN6GHz	802.11ax-HE160 MCS0	Back	5mm	Ant MIMO(6)	Power table 2 Non-DBS	15	6025	-	Battery 1	Sample 1	8.15	8.50	1.084	99.76	1.002	-0.07	0.150	0.163	1.280	1.390
	WLAN6GHz	802.11ax-HE160 MCS0	Back	5mm	Ant MIMO(6)	Power table 2 Non-DBS	47	6185	-	Battery 1	Sample 1	8.15	8.50	1.084	99.76	1.002	-0.12	0.132	0.143	1.180	1.282
	WLAN6GHz	802.11ax-HE160 MCS0	Back	5mm	Ant MIMO(6)	Power table 2 Non-DBS	143	6665	-	Battery 1	Sample 1	9.10	10.00	1.23	99.76	1.002	0.06	0.224	0.276	1.800	2.218
90	WLAN6GHz	802.11ax-HE160 MCS0	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	207	6985	-	Battery 1	Sample 1	9.00	10.00	1.259	99.76	1.002	-0.14	0.269	0.339	2.050	2.586
	WLAN6GHz	802.11ax-HE160 MCS0	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	207	6985	-	Battery 1	Sample 2	9.00	10.00	1.259	99.76	1.002	0.11	0.258	0.325	1.870	2.359
	WLAN6GHz	802.11ax-HE160 MCS0	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	207	6985	-	Battery 1	Sample 3	9.00	10.00	1.259	99.76	1.002	0.15	0.248	0.313	1.980	2.498
	WLAN6GHz	802.11ax-HE160 MCS0	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	207	6985	-	Battery 1	Sample 4	9.00	10.00	1.259	99.76	1.002	0.17	0.265	0.334	1.920	2.422
	WLAN6GHz	802.11ax-HE160 MCS0	Back	5mm	Ant MIMO(7)	Power table 2 Non-DBS	207	6985	-	Battery 2	Sample 1	9.00	10.00	1.259	99.76	1.002	-0.02	0.255	0.322	1.840	2.321

【Bluetooth SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Accessory	Battery	Sample	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	5mm	Ant 6	Power table 2	0	2402	-	Battery 1	Sample 1	4.73	6.00	1.34	76.93	1.083	0.00	0.001	0.001
91	Bluetooth	1Mbps	Back	5mm	Ant 6	Power table 2	0	2402	-	Battery 1	Sample 1	4.73	6.00	1.34	76.93	1.083	0.03	0.017	0.025
	Bluetooth	1Mbps	Back	0mm	Ant 6	Power table 2	0	2402	Holster	Battery 1	Sample 1	4.73	6.00	1.34	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Back	5mm	Ant 6	Power table 2	0	2402	-	Battery 1	Sample 2	4.73	6.00	1.34	76.93	1.083	-0.14	0.013	0.019
	Bluetooth	1Mbps	Back	5mm	Ant 6	Power table 2	0	2402	-	Battery 1	Sample 3	4.73	6.00	1.34	76.93	1.083	0.13	0.011	0.016
	Bluetooth	1Mbps	Back	5mm	Ant 6	Power table 2	0	2402	-	Battery 1	Sample 4	4.73	6.00	1.34	76.93	1.083	-0.09	0.012	0.017
	Bluetooth	1Mbps	Back	5mm	Ant 6	Power table 2	0	2402	-	Battery 2	Sample 1	4.73	6.00	1.34	76.93	1.083	0.15	0.016	0.023
	Bluetooth	1Mbps	Front	5mm	Ant 7	Power table 2	0	2402	-	Battery 1	Sample 1	4.89	6.00	1.291	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Back	5mm	Ant 7	Power table 2	0	2402	-	Battery 1	Sample 1	4.89	6.00	1.291	76.93	1.083	0.04	0.015	0.021
	Bluetooth	1Mbps	Back	0mm	Ant 7	Power table 2	0	2402	Holster	Battery 1	Sample 1	4.89	6.00	1.291	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Back	5mm	Ant 7	Power table 2	0	2402	-	Battery 1	Sample 2	4.89	6.00	1.291	76.93	1.083	-0.12	0.011	0.015
	Bluetooth	1Mbps	Back	5mm	Ant 7	Power table 2	0	2402	-	Battery 1	Sample 3	4.89	6.00	1.291	76.93	1.083	0.06	0.014	0.020
	Bluetooth	1Mbps	Back	5mm	Ant 7	Power table 2	0	2402	-	Battery 1	Sample 4	4.89	6.00	1.291	76.93	1.083	-0.15	0.012	0.017
	Bluetooth	1Mbps	Back	5mm	Ant 7	Power table 2	0	2402	-	Battery 2	Sample 1	4.89	6.00	1.291	76.93	1.083	0.07	0.014	0.020

**14.4 Product Specific SAR**

【WLAN 2.4GHz_5GHz SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Battery	Sample	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)
92	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant MIMO(7)	Power table 2 Non-DBS	58	5290	Battery 1	Sample 1	14.00	14.50	1.122	99.28	1.007	0.10	0.184	0.208
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant MIMO(7)	Power table 2 Non-DBS	58	5290	Battery 1	Sample 1	14.00	14.50	1.122	99.28	1.007	0.00	0.555	0.627
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant MIMO(7)	Power table 2 Non-DBS	58	5290	Battery 1	Sample 1	14.00	14.50	1.122	99.28	1.007	0.14	0.009	0.010
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant MIMO(7)	Power table 2 Non-DBS	58	5290	Battery 1	Sample 1	14.00	14.50	1.122	99.28	1.007	0.05	0.456	0.515
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant MIMO(7)	Power table 2 Non-DBS	58	5290	Battery 1	Sample 1	14.00	14.50	1.122	99.28	1.007	0.17	0.208	0.235
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Edge	0mm	Ant MIMO(7)	Power table 2 Non-DBS	58	5290	Battery 1	Sample 1	14.00	14.50	1.122	99.28	1.007	-0.11	0.005	0.006
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant MIMO(7)	Power table 2 Non-DBS	58	5290	Battery 1	Sample 2	14.00	14.50	1.122	99.28	1.007	-0.05	0.497	0.562
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant MIMO(7)	Power table 2 Non-DBS	58	5290	Battery 1	Sample 3	14.00	14.50	1.122	99.28	1.007	0.12	0.425	0.480
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant MIMO(7)	Power table 2 Non-DBS	58	5290	Battery 1	Sample 4	14.00	14.50	1.122	99.28	1.007	0.17	0.514	0.581
93	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant MIMO(7)	Power table 2 Non-DBS	58	5290	Battery 2	Sample 1	14.00	14.50	1.122	99.28	1.007	-0.00	0.541	0.611
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant MIMO(7)	Power table 2 Non-DBS	106	5530	Battery 1	Sample 1	14.50	15.50	1.259	99.28	1.007	0.12	0.162	0.205
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant MIMO(7)	Power table 2 Non-DBS	106	5530	Battery 1	Sample 1	14.50	15.50	1.259	99.28	1.007	-0.08	0.446	0.565
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant MIMO(7)	Power table 2 Non-DBS	106	5530	Battery 1	Sample 1	14.50	15.50	1.259	99.28	1.007	-0.04	0.014	0.018
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant MIMO(7)	Power table 2 Non-DBS	106	5530	Battery 1	Sample 1	14.50	15.50	1.259	99.28	1.007	-0.18	0.745	0.945
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant MIMO(7)	Power table 2 Non-DBS	106	5530	Battery 1	Sample 1	14.50	15.50	1.259	99.28	1.007	-0.09	0.208	0.264
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Edge	0mm	Ant MIMO(7)	Power table 2 Non-DBS	106	5530	Battery 1	Sample 1	14.50	15.50	1.259	99.28	1.007	0.06	0.002	0.003
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant MIMO(7)	Power table 2 Non-DBS	114	5570	Battery 1	Sample 2	14.50	15.50	1.259	99.28	1.007	-0.10	0.592	0.751
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant MIMO(7)	Power table 2 Non-DBS	114	5570	Battery 1	Sample 3	14.50	15.50	1.259	99.28	1.007	0.18	0.630	0.799
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant MIMO(7)	Power table 2 Non-DBS	114	5570	Battery 1	Sample 4	14.50	15.50	1.259	99.28	1.007	0.11	0.680	0.862
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant MIMO(7)	Power table 2 Non-DBS	114	5570	Battery 2	Sample 1	14.50	15.50	1.259	99.28	1.007	-0.14	0.736	0.933

【WLAN 6GHz SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Battery	Sample	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)
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant MIMO(6)	Power table 2 Non-DBS	111	6505	Battery 1	Sample 1	9.10	10.00	1.23	99.76	1.002	-0.05	0.068	0.084	1.580	1.947
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant MIMO(6)	Power table 2 Non-DBS	111	6505	Battery 1	Sample 1	9.10	10.00	1.23	99.76	1.002	-0.09	0.088	0.108	2.090	2.576
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	0mm	Ant MIMO(6)	Power table 2 Non-DBS	111	6505	Battery 1	Sample 1	9.10	10.00	1.23	99.76	1.002	0.03	0.008	0.010	0.186	0.229
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Ant MIMO(6)	Power table 2 Non-DBS	111	6505	Battery 1	Sample 1	9.10	10.00	1.23	99.76	1.002	0.07	0.166	0.205	3.890	4.794
	WLAN6GHz	802.11ax-HE160 MCS0	Top Edge	0mm	Ant MIMO(6)	Power table 2 Non-DBS	111	6505	Battery 1	Sample 1	9.10	10.00	1.23	99.76	1.002	0.14	0.042	0.052	0.974	1.200
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	0mm	Ant MIMO(6)	Power table 2 Non-DBS	111	6505	Battery 1	Sample 1	9.10	10.00	1.23	99.76	1.002	-0.18	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Ant MIMO(6)	Power table 2 Non-DBS	15	6025	Battery 1	Sample 1	8.15	8.50	1.084	99.76	1.002	-0.04	0.159	0.173	3.730	4.051
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Ant MIMO(6)	Power table 2 Non-DBS	47	6185	Battery 1	Sample 1	8.15	8.50	1.084	99.76	1.002	-0.15	0.166	0.180	3.910	4.247
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Ant MIMO(6)	Power table 2 Non-DBS	143	6665	Battery 1	Sample 1	9.10	10.00	1.23	99.76	1.002	-0.05	0.182	0.224	4.220	5.201
94	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Ant MIMO(7)	Power table 2 Non-DBS	207	6985	Battery 1	Sample 1	9.00	10.00	1.259	99.76	1.002	0.03	0.206	0.260	4.870	6.144
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Ant MIMO(7)	Power table 2 Non-DBS	207	6985	Battery 1	Sample 2	9.00	10.00	1.259	99.76	1.002	-0.18	0.174	0.220	4.060	5.122
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Ant MIMO(7)	Power table 2 Non-DBS	207	6985	Battery 1	Sample 3	9.00	10.00	1.259	99.76	1.002	0.18	0.201	0.254	4.720	5.954
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Ant MIMO(7)	Power table 2 Non-DBS	207	6985	Battery 1	Sample 4	9.00	10.00	1.259	99.76	1.002	0.09	0.197	0.249	4.600	5.803
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Ant MIMO(7)	Power table 2 Non-DBS	207	6985	Battery 2	Sample 1	9.00	10.00	1.259	99.76	1.002	-0.16	0.203	0.256	4.770	6.017
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	25mm	Ant MIMO(6)	CTL Motion-Sensor off	47	6185	Battery 1	Sample 1	16.60	17.00	1.096	99.76	1.002	0.17	0.104	0.114	2.430	2.669

【NFC SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Freq. (MHz)	Battery	Sample	Tune-Up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
95	NFC	ASK	Front	0mm	NFC	13.56	Battery 1	Sample 1	1.0	0.00	0.001	0.001
	NFC	ASK	Back	0mm	NFC	13.56	Battery 1	Sample 1	1.0	-0.01	0.041	0.041
	NFC	ASK	Left Edge	0mm	NFC	13.56	Battery 1	Sample 1	1.0	0.00	0.001	0.001
	NFC	ASK	Right Edge	0mm	NFC	13.56	Battery 1	Sample 1	1.0	0.00	0.001	0.001
	NFC	ASK	Top Edge	0mm	NFC	13.56	Battery 1	Sample 1	1.0	0.00	0.001	0.001
	NFC	ASK	Bottom Edge	0mm	NFC	13.56	Battery 1	Sample 1	1.0	0.00	0.001	0.001
	NFC	ASK	Back	0mm	NFC	13.56	Battery 1	Sample 2	1.0	-0.12	0.039	0.039
	NFC	ASK	Back	0mm	NFC	13.56	Battery 1	Sample 3	1.0	0.06	0.035	0.035
	NFC	ASK	Back	0mm	NFC	13.56	Battery 1	Sample 4	1.0	-0.18	0.038	0.038
	NFC	ASK	Back	0mm	NFC	13.56	Battery 2	Sample 1	1.0	0.06	0.032	0.032

14.5 6GHz PD Test Result

Band	Mode	Test Position	Gap (mm)	Antenna	Sample	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-HE160 MCS0	Right Edge	2mm	Ant 6+7(6)	Sample 1	15	6025	8.15	0.0625	1.58	0.433210495	2.85	3.08
WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	10mm	Ant 6+7(6)	Sample 1	15	6025	8.15	0.25	1.43		1.67	1.77
WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	2mm	Ant 6+7(7)	Sample 1	207	6985	9.00	0.0625	3.67	0.817924806	3.4	3.78
WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	8.59mm	Ant 6+7(7)	Sample 1	207	6985	9.00	0.25	3.04		2.1	2.19

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Sample	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	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-HE160 MCS0	Front	2mm	Ant 6+7(6)	Sample 1	47	6185	14.70	15.00	1.072	99.26	1.007	0.0625	1.5535	-0.02	3.03	5.08	4.13	6.92
96	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	2mm	Ant 6+7(7)	Sample 1	207	6985	9.00	10.00	1.259	99.26	1.007	0.0625	1.5535	0.14	3.4	6.70	3.78	7.44

14.6 Repeated SAR Measurement

No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Battery	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)	Ratio
1st	GSM850	GPRS 4 Tx slots	Right Cheek	0.0	Ant 8	DSI 2	189	836.4	Sample 1	Battery 1	29.13	29.50	1.089			0.00	1.070	1.165	-
2nd	GSM850	GPRS 4 Tx slots	Right Cheek	0.0	Ant 8	DSI 2	189	836.4	Sample 1	Battery 1	29.13	29.50	1.089			-0.03	0.962	1.048	1.11
1st	WCDMA IV	RMC 12.2Kbps	Back	5.0	Ant 8	DSI 1	1312	1712.4	Sample 1	Battery 1	22.87	23.40	1.13			0.01	1.050	1.186	-
2nd	WCDMA IV	RMC 12.2Kbps	Back	5.0	Ant 8	DSI 1	1312	1712.4	Sample 1	Battery 1	22.87	23.40	1.13			0.09	1.010	1.141	1.04
1st	WCDMA II	RMC 12.2Kbps	Back	5.0	Ant 8	DSI 1	9538	1907.6	Sample 1	Battery 1	21.79	22.20	1.099			0.01	1.050	1.154	-
2nd	WCDMA II	RMC 12.2Kbps	Back	5.0	Ant 8	DSI 1	9538	1907.6	Sample 1	Battery 1	21.79	22.20	1.099			-0.04	0.993	1.091	1.06
1st	WLAN2.4GHz	802.11b 1Mbps	Back	5.0	Ant MIMO(7)	Power table 2 Non-DBS	11	2462	Sample 1	Battery 1	16.48	17.00	1.127	98.05	1.02	0.07	1.020	1.173	-
2nd	WLAN2.4GHz	802.11b 1Mbps	Back	5.0	Ant MIMO(7)	Power table 2 Non-DBS	11	2462	Sample 1	Battery 1	16.48	17.00	1.127	98.05	1.02	0.09	0.986	1.133	1.04
1st	FR1 n41_HPUE	100M_BPSK_1_1	Right Cheek	0.0	Ant 1	DSI 2	518598	2592.99	Sample 1	Battery 1	26.63	26.80	1.04	50.0	1.0	-0.10	1.130	1.175	-
2nd	FR1 n41_HPUE	100M_BPSK_1_1	Right Cheek	0.0	Ant 1	DSI 2	518598	2592.99	Sample 1	Battery 1	26.63	26.80	1.04	50.0	1.0	0.01	1.070	1.113	1.06
1st	FR1 n77/n78	100M_BPSK_1_1	Back	5.0	Ant 4	DSI 1	641666	3624.99	Sample 1	Battery 1	17.89	18.20	1.074			0.02	1.100	1.181	-
2nd	FR1 n77/n78	100M_BPSK_1_1	Back	5.0	Ant 4	DSI 1	641666	3624.99	Sample 1	Battery 1	17.89	18.20	1.074			0.09	1.020	1.095	1.08
1st	WLAN5GHz	802.11n-HT40 MCS0	Back	25.0	Ant MIMO(7)	CTL Motion-Sensor off	54	5270	Sample 1	Battery 1	20.70	21.00	1.072	99.28	1.007	-0.00	1.080	1.166	-
2nd	WLAN5GHz	802.11n-HT40 MCS0	Back	25.0	Ant MIMO(7)	CTL Motion-Sensor off	54	5270	Sample 1	Battery 1	20.70	21.00	1.072	99.28	1.007	-0.12	1.030	1.112	1.05
1st	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0.0	Ant MIMO(6)	Power table 0 Non-DBS	138	5690	Sample 1	Battery 1	18.00	19.00	1.259	99.28	1.007	0.12	0.917	1.163	-
2nd	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0.0	Ant MIMO(6)	Power table 0 Non-DBS	138	5690	Sample 1	Battery 1	18.00	19.00	1.259	99.28	1.007	0.02	0.906	1.149	1.01
1st	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5.0	Ant MIMO(7)	Power table 2 Non-DBS	155	5775	Sample 1	Battery 1	16.00	16.50	1.122	99.28	1.007	-0.10	0.990	1.119	-
2nd	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5.0	Ant MIMO(7)	Power table 2 Non-DBS	155	5775	Sample 1	Battery 1	16.00	16.50	1.122	99.28	1.007	-0.04	0.966	1.091	1.03

General Note:

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

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%

【Head】

FR1 n41_Ant 1	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	23.8	26.8
Reported 1g SAR (W/kg)	1.084	1.175
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	239.88	239.32
Linearity SAR (W/kg)	1.08	
% deviation from Expected Linearity		8.65 %

FR1 n41_Ant 3	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	24.5	25.5
Reported 1g SAR (W/kg)	0.074	0.043
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	281.84	177.41
Linearity SAR (W/kg)	0.05	
% deviation from Expected Linearity		-7.69 %

FR1 n41_Ant 4	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	23.5	25.0
Reported 1g SAR (W/kg)	0.088	0.059
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	223.87	158.11
Linearity SAR (W/kg)	0.06	
% deviation from Expected Linearity		-5.07 %

FR1 n41_Ant 5	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	22.5	24.9
Reported 1g SAR (W/kg)	0.093	0.078
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	177.83	154.51
Linearity SAR (W/kg)	0.08	
% deviation from Expected Linearity		-3.47 %

FR1 n77 (27Q)_Ant 9	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	22.0	25.0
Reported 1g SAR (W/kg)	0.983	0.886
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (m/W)	158.49	158.11
Linearity SAR (W/kg)	0.98	
% deviation from Expected Linearity		-9.65 %

FR1 n77 (27Q)_Ant 8	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	17.9	20.9
Reported 1g SAR (W/kg)	1.111	1.013
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (m/W)	61.66	61.51
Linearity SAR (W/kg)	1.11	
% deviation from Expected Linearity		-8.60 %

FR1 n77 (27Q)_Ant 3	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	25.5	27.5
Reported 1g SAR (W/kg)	0.290	0.225
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (m/W)	354.81	281.17
Linearity SAR (W/kg)	0.23	
% deviation from Expected Linearity		-2.09 %

FR1 n77 (27Q)_Ant 4	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	24.5	27.0
Reported 1g SAR (W/kg)	0.568	0.547
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (m/W)	281.84	250.59
Linearity SAR (W/kg)	0.51	
% deviation from Expected Linearity		8.31 %

【 Hotspot 】

FR1 n41_Ant 1	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	21.8	24.8
Reported 1g SAR (W/kg)	0.368	0.338
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	151.36	151.0
Linearity SAR (W/kg)	0.37	
% deviation from Expected Linearity		-7.93 %

FR1 n41_Ant 3	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	20.5	23.5
Reported 1g SAR (W/kg)	0.110	0.099
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	112.2	111.94
Linearity SAR (W/kg)	0.11	
% deviation from Expected Linearity		-9.79 %

FR1 n41_Ant 4	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	18.9	21.9
Reported 1g SAR (W/kg)	0.330	0.315
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	77.62	77.44
Linearity SAR (W/kg)	0.33	
% deviation from Expected Linearity		-4.32 %

FR1 n41_Ant 5	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	18.0	21.0
Reported 1g SAR (W/kg)	0.196	0.180
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	63.1	62.95
Linearity SAR (W/kg)	0.20	
% deviation from Expected Linearity		-7.94 %

FR1 n77 (27O)_Ant 9	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	12.8	15.8
Reported 1g SAR (W/kg)	0.191	0.181
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	19.05	19.01
Linearity SAR (W/kg)	0.19	
% deviation from Expected Linearity		-5.04 %

FR1 n77 (27Q)_Ant 8	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	18.3	21.3
Reported 1g SAR (W/kg)	0.196	0.179
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	67.61	67.45
Linearity SAR (W/kg)	0.20	
% deviation from Expected Linearity		-8.46 %

FR1 n77 (27O)_Ant 3	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	13.1	16.1
Reported 1g SAR (W/kg)	0.073	0.069
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	20.42	20.37
Linearity SAR (W/kg)	0.07	
% deviation from Expected Linearity		-5.25 %

FR1 n77 (27O)_Ant 4	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	14.7	17.7
Reported 1g SAR (W/kg)	0.231	0.216
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	29.51	29.44
Linearity SAR (W/kg)	0.23	
% deviation from Expected Linearity		-6.27 %

【Body_worn】

FR1 n41_Ant 1	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	25.0	27.5
Reported 1g SAR (W/kg)	0.675	0.545
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	316.23	281.17
Linearity SAR (W/kg)	0.60	
% deviation from Expected Linearity		-9.19 %

FR1 n41_Ant 3	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	24.5	25.5
Reported 1g SAR (W/kg)	0.953	0.610
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	281.84	177.41
Linearity SAR (W/kg)	0.60	
% deviation from Expected Linearity		1.69 %

FR1 n41_Ant 4	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	22.5	25.0
Reported 1g SAR (W/kg)	1.167	0.969
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	177.83	158.11
Linearity SAR (W/kg)	1.04	
% deviation from Expected Linearity		-6.61 %

FR1 n41_Ant 5	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	21.6	24.6
Reported 1g SAR (W/kg)	1.114	1.075
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	144.54	144.2
Linearity SAR (W/kg)	1.11	
% deviation from Expected Linearity		-3.27 %

FR1 n77 (270)_Ant 9	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	17.0	20.0
Reported 1g SAR (W/kg)	1.175	1.167
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	50.12	50.0
Linearity SAR (W/kg)	1.17	
% deviation from Expected Linearity		-0.44 %

FR1 n77 (270)_Ant 8	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	20.8	23.8
Reported 1g SAR (W/kg)	1.172	1.115
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	120.23	119.94
Linearity SAR (W/kg)	1.17	
% deviation from Expected Linearity		-4.63 %

FR1 n77 (270)_Ant 3	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	17.9	20.9
Reported 1g SAR (W/kg)	0.659	0.595
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	61.66	61.51
Linearity SAR (W/kg)	0.66	
% deviation from Expected Linearity		-9.49 %

FR1 n77 (270)_Ant 4	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	18.2	21.2
Reported 1g SAR (W/kg)	0.965	0.871
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	66.07	65.91
Linearity SAR (W/kg)	0.96	
% deviation from Expected Linearity		-9.52 %

15. Simultaneous Transmission Analysis

NO.	Simultaneous Transmission Configurations	Head	Hotspot	Body-Worn	Product Specific
Non-DBS					
1.	2.4G/5G/6E WLAN Ant 6 + Bluetooth Ant 7 + NFC	Yes	Yes	Yes	Yes
2.	2.4G/5G/6E WLAN Ant 7 + Bluetooth Ant 6 + NFC	Yes	Yes	Yes	Yes
3.	5G/6E WLAN Ant 6+7 MIMO + Bluetooth Ant 6/7 + NFC	Yes	Yes	Yes	Yes
4.	WWAN + 2.4G/5G/6E WLAN Ant 6 + Bluetooth Ant 7 + NFC	Yes	Yes	Yes	Yes
5.	WWAN + 2.4G/5G/6E WLAN Ant 7 + Bluetooth Ant 6 + NFC	Yes	Yes	Yes	Yes
6.	WWAN + 5G/6E WLAN Ant 6+7 MIMO + Bluetooth Ant 6/7 + NFC	Yes	Yes	Yes	Yes
DBS					
7.	2.4G WLAN Ant 6 + 5G/6E WLAN Ant 6 + NFC	Yes	Yes	Yes	Yes
8.	2.4G WLAN Ant 7 + 5G/6E WLAN Ant 7 + NFC	Yes	Yes	Yes	Yes
9.	2.4G WLAN MIMO Ant 6+7 + 5G/6E WLAN Ant 6+7 MIMO + NFC	Yes	Yes	Yes	Yes
10.	2.4G WLAN Ant 6 + 5G/6E WLAN Ant 6+7 MIMO + NFC	Yes	Yes	Yes	Yes
11.	2.4G WLAN Ant 7 + 5G/6E WLAN Ant 6+7 MIMO + NFC	Yes	Yes	Yes	Yes
12.	2.4G WLAN Ant 6 + 5G/6E WLAN Ant 6+7 MIMO + Bluetooth Ant 7 + NFC	Yes	Yes	Yes	Yes
13.	2.4G WLAN Ant 7 + 5G/6E WLAN Ant 6+7 MIMO + Bluetooth Ant 6 + NFC	Yes	Yes	Yes	Yes
14.	2.4G WLAN MIMO Ant 6+7 + 5G/6E WLAN Ant 6 + NFC	Yes	Yes	Yes	Yes
15.	2.4G WLAN MIMO Ant 6+7 + 5G/6E WLAN Ant 7 + NFC	Yes	Yes	Yes	Yes
16.	WWAN + 2.4G WLAN Ant 6 + 5G/6E WLAN Ant 6 + NFC	Yes	Yes	Yes	Yes
17.	WWAN + 2.4G WLAN Ant 7 + 5G/6E WLAN Ant 7 + NFC	Yes	Yes	Yes	Yes
18.	WWAN + 2.4G WLAN MIMO Ant 6+7 + 5G/6E WLAN Ant 6+7 MIMO + NFC	Yes	Yes	Yes	Yes
19.	WWAN + 2.4G WLAN Ant 6 + 5G/6E WLAN Ant 6+7 MIMO + NFC	Yes	Yes	Yes	Yes
20.	WWAN + 2.4G WLAN Ant 7 + 5G/6E WLAN Ant 6+7 MIMO + NFC	Yes	Yes	Yes	Yes
21.	WWAN + 2.4G WLAN Ant 6 + 5G/6E WLAN Ant 6+7 MIMO + Bluetooth Ant 7 + NFC	Yes	Yes	Yes	Yes
22.	WWAN + 2.4G WLAN Ant 7 + 5G/6E WLAN Ant 6+7 MIMO + Bluetooth Ant 6 + NFC	Yes	Yes	Yes	Yes
23.	WWAN + 2.4G WLAN MIMO Ant 6+7 + 5G/6E WLAN Ant 6 + NFC	Yes	Yes	Yes	Yes
24.	WWAN + 2.4G WLAN MIMO Ant 6+7 + 5G/6E WLAN Ant 7 + NFC	Yes	Yes	Yes	Yes

General Note:

- The device 2.4GHz support hotspot operation via 5/6GHz receive signal.
- The NFC only operation in extremity condition.
- The worst case reported SAR for each configuration was used for SAR summation. Therefore, the following summations represent the absolute worst cases for simultaneous transmission.
- The Scaled SAR summation is calculated based on the same configuration and test position.
- Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - Scalar SAR summation $< 1.6\text{W/kg}$.
 - $\text{SPLSR} = (\text{SAR1} + \text{SAR2})^{1.5} / (\text{min. separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where $(x1, y1, z1)$ and $(x2, y2, z2)$ are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - If $\text{SPLSR} \leq 0.04$, simultaneously transmission SAR measurement is not necessary.
 - Simultaneously transmission SAR measurement, and the reported multi-band SAR $< 1.6\text{W/kg}$.

Qualcomm Smart Transmit Simultaneous Transmission Guidance

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

Since WLAN and BT do not employ time-averaging, 1gSAR and 10gSAR measurement for WLAN and BT need to be conducted at their corresponding rated power following current FCC test procedures to determine reported SAR values. Smart Transmit current implementation assumes hotspots from 5G NR and LTE are collocated. Therefore, for a total of 100% exposure margin, if LTE uses x%, then the exposure margin left for 5G NR is capped to (100-x)%. Thus, the compliance equation for LTE + 5G NR + WIFI/BT is

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

15.1 Head Exposure Conditions

<WLAN Power table 0, Bluetooth>

Exposure Position	1	2	3	4	5	6	1+5 Summed 1g SAR (W/kg)	2+6 Summed 1g SAR (W/kg)	4+5 Summed 1g SAR (W/kg)	4+6 Summed 1g SAR (W/kg)
	2.4GHz WLAN Ant 6 1g SAR (W/kg)	2.4GHz WLAN Ant 7 1g SAR (W/kg)	2.4GHz WLAN Ant MIMO 1g SAR (W/kg)	5/6GHz WLAN Ant MIMO 1g SAR (W/kg)	Bluetooth Ant 7 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)				
Right Cheek at 0mm	0.292	0.088	0.834	0.758	0.001	0.001	0.293	0.089	0.759	0.759
Right Tilted at 0mm	0.289	0.091	0.955	0.822	0.001	0.001	0.290	0.092	0.823	0.823
Left Cheek at 0mm	0.681	0.240	1.188	1.163	0.001	0.039	0.682	0.279	1.164	1.202
Left Tilted at 0mm	0.381	0.077	0.755	0.819	0.001	0.001	0.382	0.078	0.820	0.820

<WLAN Power table 0 Non-DBS/table 3, Bluetooth>

Exposure Position	1	2	3	4	5	6	3+4 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)	2+4+6 Summed 1g SAR (W/kg)
	2.4GHz WLAN Ant 6 1g SAR (W/kg)	2.4GHz WLAN Ant 7 1g SAR (W/kg)	2.4GHz WLAN Ant MIMO 1g SAR (W/kg)	5/6GHz WLAN Ant MIMO 1g SAR (W/kg)	Bluetooth Ant 7 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)			
Right Cheek at 0mm	0.292	0.088	0.834	0.758	0.001	0.001	1.592	1.051	0.847
Right Tilted at 0mm	0.289	0.091	0.609	0.822	0.001	0.001	1.431	1.112	0.914
Left Cheek at 0mm	0.681	0.240	0.740	0.781	0.001	0.039	1.521	1.463	1.060
Left Tilted at 0mm	0.381	0.077	0.755	0.819	0.001	0.001	1.574	1.201	0.897

<WWAN DSI 2/2_WiFi ON/O, WLAN Power table 0 Non-DBS/table 3 Non-DBS DBS/table 0 DBS/table 3, Bluetooth>

WWAN1		Exposure Position	1	2	3	4	5	6	7	8	1+4	1+5+6	1+5+7	1+2+6	1+3+7
			WWAN1	2.4GHz WLAN	2.4GHz WLAN	2.4GHz WLAN	5/6GHz WLAN	Bluetooth	Bluetooth	6GHz WLAN	Summed	Summed	Summed	Summed	Summed
			Ant 6	Ant 7	Ant MIMO	Ant MIMO	Ant 7	Ant 6	APD Ant MIMO	1g SAR	1g SAR	1g SAR	1g SAR	1g SAR	
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	(W/m²)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)
Max WWAN	Ant 1	Right Cheek at 0mm	0.742	0.292	0.088	0.834	0.758	0.001	0.001	1.729	1.576	1.501	1.501	1.035	0.831
		Right Tilted at 0mm	0.288	0.289	0.091	0.955	0.822	0.001	0.001	1.955	1.243	1.111	1.111	0.578	0.380
		Left Cheek at 0mm	0.390	0.681	0.240	1.188	1.163	0.001	0.039	3.717	1.578	1.554	1.592	1.072	0.669
		Left Tilted at 0mm	0.310	0.381	0.077	0.755	0.819	0.001	0.001	2.116	1.065	1.130	1.130	0.692	0.388
Max WWAN	Ant 2	Right Cheek at 0mm	0.116	0.292	0.088	0.834	0.758	0.001	0.001	1.729	0.950	0.875	0.875	0.409	0.205
		Right Tilted at 0mm	0.012	0.289	0.091	0.955	0.822	0.001	0.001	1.955	0.967	0.835	0.835	0.302	0.104
		Left Cheek at 0mm	0.032	0.681	0.240	1.188	1.163	0.001	0.039	3.717	1.220	1.196	1.234	0.714	0.311
		Left Tilted at 0mm	0.008	0.381	0.077	0.755	0.819	0.001	0.001	2.116	0.763	0.828	0.828	0.390	0.086
Max WWAN	Ant 3	Right Cheek at 0mm	0.505	0.292	0.088	0.834	0.758	0.001	0.001	1.729	1.339	1.264	1.264	0.798	0.594
		Right Tilted at 0mm	0.117	0.289	0.091	0.955	0.822	0.001	0.001	1.955	1.072	0.940	0.940	0.407	0.209
		Left Cheek at 0mm	0.149	0.681	0.240	1.188	1.163	0.001	0.039	3.717	1.337	1.313	1.351	0.831	0.428
		Left Tilted at 0mm	0.115	0.381	0.077	0.755	0.819	0.001	0.001	2.116	0.870	0.935	0.935	0.497	0.193
Max WWAN	Ant 4	Right Cheek at 0mm	0.197	0.292	0.088	0.834	0.758	0.001	0.001	1.729	1.031	0.956	0.956	0.490	0.286
		Right Tilted at 0mm	0.100	0.289	0.091	0.955	0.822	0.001	0.001	1.955	1.055	0.923	0.923	0.390	0.192
		Left Cheek at 0mm	0.375	0.681	0.240	1.188	1.163	0.001	0.039	3.717	1.563	1.539	1.577	1.057	0.654
		Left Tilted at 0mm	0.091	0.381	0.077	0.755	0.819	0.001	0.001	2.116	0.846	0.911	0.911	0.473	0.169
Max WWAN	Ant 5	Right Cheek at 0mm	0.028	0.292	0.088	0.834	0.758	0.001	0.001	1.729	0.862	0.787	0.787	0.321	0.117
		Right Tilted at 0mm	0.014	0.289	0.091	0.955	0.822	0.001	0.001	1.955	0.969	0.837	0.837	0.304	0.106
		Left Cheek at 0mm	0.093	0.681	0.240	1.188	1.163	0.001	0.039	3.717	1.281	1.257	1.295	0.775	0.372
		Left Tilted at 0mm	0.041	0.381	0.077	0.755	0.819	0.001	0.001	2.116	0.796	0.861	0.861	0.423	0.119
Max WWAN	Ant 8	Right Cheek at 0mm	0.757	0.292	0.088	0.834	0.758	0.001	0.001	1.729	1.591	1.516	1.516	1.050	0.846
		Right Tilted at 0mm	0.446	0.289	0.091	0.955	0.822	0.001	0.001	1.955	1.401	1.269	1.269	0.736	0.538
		Left Cheek at 0mm	0.379	0.681	0.240	1.188	1.163	0.001	0.039	3.717	1.567	1.543	1.581	1.061	0.658
		Left Tilted at 0mm	0.435	0.381	0.077	0.755	0.819	0.001	0.001	2.116	1.190	1.255	1.255	0.817	0.513
Max WWAN	Ant 9	Right Cheek at 0mm	0.756	0.292	0.088	0.834	0.758	0.001	0.001	1.729	1.590	1.515	1.515	1.049	0.845
		Right Tilted at 0mm	0.376	0.289	0.091	0.955	0.822	0.001	0.001	1.955	1.331	1.199	1.199	0.666	0.468
		Left Cheek at 0mm	0.388	0.681	0.240	1.188	1.163	0.001	0.039	3.717	1.576	1.552	1.590	1.070	0.667
		Left Tilted at 0mm	0.258	0.381	0.077	0.755	0.819	0.001	0.001	2.116	1.013	1.078	1.078	0.640	0.336

<WWAN DSI 2/2_WiFi ON/O, WLAN Power table 0 Non-DBS/table 3 Non-DBS DBS/table 0 DBS/table 3, Bluetooth>

WWAN1	Exposure Position	1	2	3	4	5	6	7	8	1+2+5+6 Summed 1g SAR (W/kg)	1+3+5+7 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)
		WWAN1 1g SAR (W/kg)	2.4GHz WLAN Ant 6 1g SAR (W/kg)	2.4GHz WLAN Ant 7 1g SAR (W/kg)	2.4GHz WLAN Ant MIMO 1g SAR (W/kg)	5/6GHz WLAN Ant MIMO 1g SAR (W/kg)	Bluetooth Ant 7 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)	6GHz WLAN APD Ant MIMO (W/m²)			
Max WWAN	Ant 1	Right Cheek at 0mm	0.742	0.292	0.088	0.366	0.391	0.001	0.001	1.729	1.426	1.222
		Right Tilted at 0mm	0.288	0.289	0.091	0.422	0.453	0.001	0.001	1.955	1.031	0.833
		Left Cheek at 0mm	0.390	0.286	0.240	0.578	0.596	0.001	0.039	3.717	1.273	1.265
		Left Tilted at 0mm	0.310	0.381	0.077	0.340	0.755	0.001	0.001	2.116	1.447	1.143
Max WWAN	Ant 2	Right Cheek at 0mm	0.116	0.292	0.088	0.366	0.391	0.001	0.001	1.729	0.800	0.596
		Right Tilted at 0mm	0.012	0.289	0.091	0.422	0.453	0.001	0.001	1.955	0.755	0.557
		Left Cheek at 0mm	0.032	0.286	0.240	0.578	0.596	0.001	0.039	3.717	0.915	0.907
		Left Tilted at 0mm	0.008	0.381	0.077	0.340	0.755	0.001	0.001	2.116	1.145	0.841
Max WWAN	Ant 3	Right Cheek at 0mm	0.505	0.292	0.088	0.366	0.391	0.001	0.001	1.729	1.189	0.985
		Right Tilted at 0mm	0.117	0.289	0.091	0.422	0.453	0.001	0.001	1.955	0.860	0.662
		Left Cheek at 0mm	0.149	0.286	0.240	0.578	0.596	0.001	0.039	3.717	1.032	1.024
		Left Tilted at 0mm	0.115	0.381	0.077	0.340	0.755	0.001	0.001	2.116	1.252	0.948
Max WWAN	Ant 4	Right Cheek at 0mm	0.197	0.292	0.088	0.366	0.391	0.001	0.001	1.729	0.881	0.677
		Right Tilted at 0mm	0.100	0.289	0.091	0.422	0.453	0.001	0.001	1.955	0.843	0.645
		Left Cheek at 0mm	0.375	0.286	0.240	0.578	0.596	0.001	0.039	3.717	1.258	1.250
		Left Tilted at 0mm	0.091	0.381	0.077	0.340	0.755	0.001	0.001	2.116	1.228	0.924
Max WWAN	Ant 5	Right Cheek at 0mm	0.028	0.292	0.088	0.366	0.391	0.001	0.001	1.729	0.712	0.508
		Right Tilted at 0mm	0.014	0.289	0.091	0.422	0.453	0.001	0.001	1.955	0.757	0.559
		Left Cheek at 0mm	0.093	0.286	0.240	0.578	0.596	0.001	0.039	3.717	0.976	0.968
		Left Tilted at 0mm	0.041	0.381	0.077	0.340	0.755	0.001	0.001	2.116	1.178	0.874
Max WWAN	Ant 8	Right Cheek at 0mm	0.757	0.292	0.088	0.366	0.391	0.001	0.001	1.729	1.441	1.237
		Right Tilted at 0mm	0.446	0.289	0.091	0.422	0.453	0.001	0.001	1.955	1.189	0.991
		Left Cheek at 0mm	0.379	0.286	0.240	0.578	0.596	0.001	0.039	3.717	1.262	1.254
		Left Tilted at 0mm	0.435	0.381	0.077	0.340	0.755	0.001	0.001	2.116	1.572	1.268
Max WWAN	Ant 9	Right Cheek at 0mm	0.756	0.292	0.088	0.366	0.391	0.001	0.001	1.729	1.440	1.236
		Right Tilted at 0mm	0.376	0.289	0.091	0.422	0.453	0.001	0.001	1.955	1.119	0.921
		Left Cheek at 0mm	0.388	0.286	0.240	0.578	0.596	0.001	0.039	3.717	1.271	1.263
		Left Tilted at 0mm	0.258	0.381	0.077	0.340	0.755	0.001	0.001	2.116	1.395	1.091

15.2 Hotspot Exposure Conditions

<WLAN Power table 15 Non-DBS, Bluetooth>

Exposure Position	1	2	3	4	5	6	1+5 Summed 1g SAR (W/kg)	2+6 Summed 1g SAR (W/kg)	4+5 Summed 1g SAR (W/kg)	4+6 Summed 1g SAR (W/kg)
	2.4GHz WLAN Ant 6 1g SAR (W/kg)	2.4GHz WLAN Ant 7 1g SAR (W/kg)	2.4GHz WLAN Ant MIMO 1g SAR (W/kg)	5/6GHz WLAN Ant MIMO 1g SAR (W/kg)	Bluetooth Ant 7 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)				
Front at 10mm	0.271	0.134	0.248	0.205	0.001	0.001	0.272	0.135	0.206	0.206
Back at 10mm	0.489	0.414	0.507	0.675	0.007	0.007	0.496	0.421	0.682	0.682
Left Edge at 10mm	0.002	0.002	0.093	0.032	0.001	0.001	0.003	0.003	0.033	0.033
Right Edge at 10mm	0.303	0.332	0.203	1.016	0.001	0.001	0.304	0.333	1.017	1.017
Top Edge at 10mm	0.298	0.109	0.307	0.597	0.001	0.001	0.299	0.110	0.598	0.598
Bottom Edge at 10mm	0.002	0.002	0.001	0.015	0.001	0.001	0.003	0.003	0.016	0.016

<WLAN Power table 15 Non-DBS, Bluetooth>

Exposure Position	1	2	3	4	5	6	3+4 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)	2+4+6 Summed 1g SAR (W/kg)
	2.4GHz WLAN Ant 6 1g SAR (W/kg)	2.4GHz WLAN Ant 7 1g SAR (W/kg)	2.4GHz WLAN Ant MIMO 1g SAR (W/kg)	5/6GHz WLAN Ant MIMO 1g SAR (W/kg)	Bluetooth Ant 7 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)			
Front at 10mm	0.271	0.134	0.248	0.205	0.001	0.001	0.453	0.477	0.340
Back at 10mm	0.489	0.414	0.507	0.675	0.007	0.007	1.182	1.171	1.096
Left Edge at 10mm	0.002	0.002	0.093	0.032	0.001	0.001	0.125	0.035	0.035
Right Edge at 10mm	0.303	0.332	0.203	1.016	0.001	0.001	1.219	1.320	1.349
Top Edge at 10mm	0.298	0.109	0.307	0.597	0.001	0.001	0.904	0.896	0.707
Bottom Edge at 10mm	0.002	0.002	0.001	0.015	0.001	0.001	0.016	0.018	0.018

<WWAN DSI 3, WLAN Power table 15 Non-DBS/CTL Motion-Sensor off/Power table 15 DBS, Bluetooth>

WWAN1	Exposure Position	1	2	3	4	5	6	7	1+4 Summed 1g SAR (W/kg)	1+5+6 Summed 1g SAR (W/kg)	1+5+7 Summed 1g SAR (W/kg)	1+2+6 Summed 1g SAR (W/kg)	1+3+7 Summed 1g SAR (W/kg)
		WWAN1 1g SAR (W/kg)	2.4GHz WLAN Ant 6 1g SAR (W/kg)	2.4GHz WLAN Ant 7 1g SAR (W/kg)	2.4GHz WLAN Ant MIMO 1g SAR (W/kg)	5/6GHz WLAN Ant MIMO 1g SAR (W/kg)	Bluetooth Ant 7 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)					
Max WWAN	Ant 1	Front at 10mm	0.233	0.271	0.134	0.248	0.205	0.001	0.481	0.439	0.439	0.505	0.368
		Back at 10mm	0.316	0.489	0.414	0.507	0.675	0.007	0.823	0.998	0.998	0.812	0.737
		Left Edge at 10mm	0.480	0.002	0.002	0.093	0.032	0.001	0.573	0.513	0.513	0.483	0.483
		Right Edge at 10mm	0.303	0.332	0.203	1.016	0.001	0.001	0.203	1.017	1.017	0.304	0.333
		Top Edge at 10mm	0.298	0.109	0.307	0.597	0.001	0.001	0.307	0.598	0.598	0.299	0.110
		Bottom Edge at 10mm	0.002	0.002	0.001	0.015	0.001	0.001	0.001	0.016	0.016	0.003	0.003
Max WWAN	Ant 2	Front at 10mm	0.058	0.271	0.134	0.248	0.205	0.001	0.306	0.264	0.264	0.330	0.193
		Back at 10mm	0.223	0.489	0.414	0.507	0.675	0.007	0.730	0.905	0.905	0.719	0.644
		Left Edge at 10mm	0.002	0.002	0.002	0.093	0.032	0.001	0.093	0.033	0.033	0.003	0.003
		Right Edge at 10mm	0.045	0.303	0.332	0.203	1.016	0.001	0.248	1.062	1.062	0.349	0.378
		Top Edge at 10mm	0.298	0.109	0.307	0.597	0.001	0.001	0.307	0.598	0.598	0.299	0.110
		Bottom Edge at 10mm	0.090	0.002	0.002	0.001	0.015	0.001	0.091	0.106	0.106	0.093	0.093
Max WWAN	Ant 3	Front at 10mm	0.030	0.271	0.134	0.248	0.205	0.001	0.278	0.236	0.236	0.302	0.165
		Back at 10mm	0.162	0.489	0.414	0.507	0.675	0.007	0.669	0.844	0.844	0.658	0.583
		Left Edge at 10mm	0.002	0.002	0.002	0.093	0.032	0.001	0.093	0.033	0.033	0.003	0.003
		Right Edge at 10mm	0.077	0.303	0.332	0.203	1.016	0.001	0.280	1.094	1.094	0.381	0.410
		Top Edge at 10mm	0.298	0.109	0.307	0.597	0.001	0.001	0.307	0.598	0.598	0.299	0.110
		Bottom Edge at 10mm	0.002	0.002	0.001	0.015	0.001	0.001	0.001	0.016	0.016	0.003	0.003
Max WWAN	Ant 4	Front at 10mm	0.023	0.271	0.134	0.248	0.205	0.001	0.271	0.229	0.229	0.295	0.158
		Back at 10mm	0.330	0.489	0.414	0.507	0.675	0.007	0.637	1.012	1.012	0.826	0.751
		Left Edge at 10mm	0.137	0.002	0.002	0.093	0.032	0.001	0.230	0.170	0.170	0.140	0.140
		Right Edge at 10mm	0.303	0.332	0.203	1.016	0.001	0.001	0.203	1.017	1.017	0.304	0.333
		Top Edge at 10mm	0.298	0.109	0.307	0.597	0.001	0.001	0.307	0.598	0.598	0.299	0.110
		Bottom Edge at 10mm	0.002	0.002	0.001	0.015	0.001	0.001	0.001	0.016	0.016	0.003	0.003
Max WWAN	Ant 5	Front at 10mm	0.063	0.271	0.134	0.248	0.205	0.001	0.311	0.269	0.269	0.335	0.198
		Back at 10mm	0.198	0.489	0.414	0.507	0.675	0.007	0.705	0.880	0.880	0.694	0.619
		Left Edge at 10mm	0.098	0.002	0.002	0.093	0.032	0.001	0.191	0.131	0.131	0.101	0.101
		Right Edge at 10mm	0.303	0.332	0.203	1.016	0.001	0.001	0.203	1.017	1.017	0.304	0.333
		Top Edge at 10mm	0.298	0.109	0.307	0.597	0.001	0.001	0.307	0.598	0.598	0.299	0.110
		Bottom Edge at 10mm	0.073	0.002	0.002	0.001	0.015	0.001	0.074	0.089	0.089	0.076	0.076
Max WWAN	Ant 8	Front at 10mm	0.156	0.271	0.134	0.248	0.205	0.001	0.404	0.362	0.362	0.428	0.291
		Back at 10mm	0.256	0.489	0.414	0.507	0.675	0.007	0.763	0.938	0.938	0.752	0.677
		Left Edge at 10mm	0.293	0.002	0.002	0.093	0.032	0.001	0.386	0.326	0.326	0.296	0.296
		Right Edge at 10mm	0.303	0.332	0.203	1.016	0.001	0.001	0.203	1.017	1.017	0.304	0.333
		Top Edge at 10mm	0.196	0.298	0.109	0.307	0.597	0.001	0.503	0.794	0.794	0.495	0.306
		Bottom Edge at 10mm	0.002	0.002	0.001	0.015	0.001	0.001	0.001	0.016	0.016	0.003	0.003
Max WWAN	Ant 9	Front at 10mm	0.054	0.271	0.134	0.248	0.205	0.001	0.302	0.260	0.260	0.326	0.189
		Back at 10mm	0.191	0.489	0.414	0.507	0.675	0.007	0.698	0.873	0.873	0.687	0.612
		Left Edge at 10mm	0.096	0.002	0.002	0.093	0.032	0.001	0.189	0.129	0.129	0.099	0.099
		Right Edge at 10mm	0.303	0.332	0.203	1.016	0.001	0.001	0.203	1.017	1.017	0.304	0.333
		Top Edge at 10mm	0.298	0.109	0.307	0.597	0.001	0.001	0.307	0.598	0.598	0.299	0.110
		Bottom Edge at 10mm	0.002	0.002	0.001	0.015	0.001	0.001	0.001	0.016	0.016	0.003	0.003



FCC SAR TEST REPORT

Report No. : FA5N2836B

<WWAN DSI 3, WLAN Power table 15 Non-DBS/CTL Motion-Sensor off/Power table 15 DBS, Bluetooth>

WWAN1	Exposure Position	1	2	3	4	5	6	7	1+2+5+6	1+3+5+7	1+4+5
		WWAN1 1g SAR (W/kg)	2.4GHz WLAN Ant 6 1g SAR (W/kg)	2.4GHz WLAN Ant 7 1g SAR (W/kg)	2.4GHz WLAN Ant MIMO 1g SAR (W/kg)	5/6GHz WLAN Ant MIMO 1g SAR (W/kg)	Bluetooth Ant 7 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
Max WWAN	Ant 1	Front at 10mm	0.233	0.271	0.134	0.248	0.205	0.001	0.710	0.573	0.686
		Back at 10mm	0.316	0.489	0.414	0.507	0.675	0.007	1.487	1.412	1.498
		Left Edge at 10mm	0.480	0.002	0.002	0.093	0.032	0.001	0.515	0.515	0.605
		Right Edge at 10mm		0.303	0.332	0.203	1.016	0.001	1.320	1.349	1.219
		Top Edge at 10mm		0.298	0.109	0.307	0.597	0.001	0.896	0.707	0.904
		Bottom Edge at 10mm		0.002	0.002	0.001	0.015	0.001	0.018	0.018	0.016
Max WWAN	Ant 2	Front at 10mm	0.058	0.271	0.134	0.248	0.205	0.001	0.535	0.398	0.511
		Back at 10mm	0.223	0.489	0.414	0.507	0.675	0.007	1.394	1.319	1.405
		Left Edge at 10mm		0.002	0.002	0.093	0.032	0.001	0.035	0.035	0.125
		Right Edge at 10mm	0.045	0.303	0.332	0.203	1.016	0.001	1.365	1.394	1.264
		Top Edge at 10mm		0.298	0.109	0.307	0.597	0.001	0.896	0.707	0.904
		Bottom Edge at 10mm	0.090	0.002	0.002	0.001	0.015	0.001	0.108	0.108	0.106
Max WWAN	Ant 3	Front at 10mm	0.030	0.271	0.134	0.248	0.205	0.001	0.507	0.370	0.483
		Back at 10mm	0.162	0.489	0.414	0.507	0.675	0.007	1.333	1.258	1.344
		Left Edge at 10mm		0.002	0.002	0.093	0.032	0.001	0.035	0.035	0.125
		Right Edge at 10mm	0.077	0.303	0.332	0.203	1.016	0.001	1.397	1.426	1.296
		Top Edge at 10mm		0.298	0.109	0.307	0.597	0.001	0.896	0.707	0.904
		Bottom Edge at 10mm		0.002	0.002	0.001	0.015	0.001	0.018	0.018	0.016
Max WWAN	Ant 4	Front at 10mm	0.101	0.271	0.134	0.248	0.205	0.001	0.578	0.441	0.554
		Back at 10mm	0.330	0.489	0.414	0.507	0.675	0.007	1.501	1.426	1.512
		Left Edge at 10mm	0.146	0.002	0.002	0.093	0.032	0.001	0.181	0.181	0.271
		Right Edge at 10mm		0.303	0.332	0.203	1.016	0.001	1.320	1.349	1.219
		Top Edge at 10mm		0.298	0.109	0.307	0.597	0.001	0.896	0.707	0.904
		Bottom Edge at 10mm		0.002	0.002	0.001	0.015	0.001	0.018	0.018	0.016
Max WWAN	Ant 5	Front at 10mm	0.063	0.271	0.134	0.248	0.205	0.001	0.540	0.403	0.516
		Back at 10mm	0.196	0.489	0.414	0.507	0.675	0.007	1.367	1.292	1.378
		Left Edge at 10mm	0.098	0.002	0.002	0.093	0.032	0.001	0.133	0.133	0.223
		Right Edge at 10mm		0.303	0.332	0.203	1.016	0.001	1.320	1.349	1.219
		Top Edge at 10mm		0.298	0.109	0.307	0.597	0.001	0.896	0.707	0.904
		Bottom Edge at 10mm	0.073	0.002	0.002	0.001	0.015	0.001	0.091	0.091	0.089
Max WWAN	Ant 8	Front at 10mm	0.156	0.271	0.134	0.248	0.205	0.001	0.633	0.496	0.609
		Back at 10mm	0.256	0.489	0.414	0.507	0.675	0.007	1.427	1.352	1.438
		Left Edge at 10mm	0.293	0.002	0.002	0.093	0.032	0.001	0.328	0.328	0.418
		Right Edge at 10mm		0.303	0.332	0.203	1.016	0.001	1.320	1.349	1.219
		Top Edge at 10mm	0.196	0.298	0.109	0.307	0.597	0.001	1.092	0.903	1.100
		Bottom Edge at 10mm		0.002	0.002	0.001	0.015	0.001	0.018	0.018	0.016
Max WWAN	Ant 9	Front at 10mm	0.054	0.271	0.134	0.248	0.205	0.001	0.531	0.394	0.507
		Back at 10mm	0.191	0.489	0.414	0.507	0.675	0.007	1.362	1.287	1.373
		Left Edge at 10mm	0.096	0.002	0.002	0.093	0.032	0.001	0.131	0.131	0.221
		Right Edge at 10mm		0.303	0.332	0.203	1.016	0.001	1.320	1.349	1.219
		Top Edge at 10mm		0.298	0.109	0.307	0.597	0.001	0.896	0.707	0.904
		Bottom Edge at 10mm		0.002	0.002	0.001	0.015	0.001	0.018	0.018	0.016

15.3 Body-Worn Accessory Exposure Conditions

< WLAN Power table 2 Non-DBS/table 2 Non-DBS, Bluetooth >

Exposure Position	1	2	3	4	5	6	1+5 Summed 1g SAR (W/kg)	2+6 Summed 1g SAR (W/kg)	4+5 Summed 1g SAR (W/kg)	4+6 Summed 1g SAR (W/kg)
	2.4GHz WLAN Ant 6 1g SAR (W/kg)	2.4GHz WLAN Ant 7 1g SAR (W/kg)	2.4GHz WLAN Ant MIMO 1g SAR (W/kg)	5/6GHz WLAN Ant MIMO 1g SAR (W/kg)	Bluetooth Ant 7 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)				
Front at 5mm	0.263	0.118	0.452	0.431	0.001	0.001	0.264	0.119	0.432	0.432
Back at 5mm	0.425	0.348	1.173	1.142	0.021	0.025	0.446	0.373	1.163	1.167

< WLAN Power table 2 Non-DBS/table 2 Non-DBS, Bluetooth >

Exposure Position	1	2	3	4	5	6	3+4 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)	2+4+6 Summed 1g SAR (W/kg)
	2.4GHz WLAN Ant 6 1g SAR (W/kg)	2.4GHz WLAN Ant 7 1g SAR (W/kg)	2.4GHz WLAN Ant MIMO 1g SAR (W/kg)	5/6GHz WLAN Ant MIMO 1g SAR (W/kg)	Bluetooth Ant 7 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)			
Front at 5mm	0.263	0.118	0.452	0.431	0.001	0.001	0.883	0.695	0.550
Back at 5mm	0.425	0.348	0.599	0.589	0.021	0.025	1.188	1.035	0.962

< WWAN DSI 1/1_WiFi ON, WLAN Power table 2 Non-DBS/table 2 DBS, Bluetooth >

WWAN1	Exposure Position	1	2	3	4	5	6	7	8	1+4 Summed 1g SAR (W/kg)	1+5+6 Summed 1g SAR (W/kg)	1+5+7 Summed 1g SAR (W/kg)	1+2+6 Summed 1g SAR (W/kg)	1+3+7 Summed 1g SAR (W/kg)
		WWAN1 1g SAR (W/kg)	2.4GHz WLAN Ant 6 1g SAR (W/kg)	2.4GHz WLAN Ant 7 1g SAR (W/kg)	2.4GHz WLAN Ant MIMO 1g SAR (W/kg)	5/6GHz WLAN Ant MIMO 1g SAR (W/kg)	Bluetooth Ant 7 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)	6GHz WLAN APD Ant MIMO (W/m²)					
Max WWAN	Ant 1	Front at 5mm	0.649	0.263	0.118	0.452	0.431	0.001	0.001	0.694	1.101	1.081	1.081	0.913
		Back at 5mm	0.394	0.425	0.348	1.173	1.142	0.021	0.025	2.586	1.567	1.557	1.561	0.840
Max WWAN	Ant 2	Front at 5mm	0.259	0.263	0.118	0.452	0.431	0.001	0.001	0.694	0.711	0.691	0.691	0.523
		Back at 5mm	0.395	0.425	0.348	1.173	1.142	0.021	0.025	2.586	1.568	1.558	1.562	0.841
Max WWAN	Ant 3	Front at 5mm	0.218	0.263	0.118	0.452	0.431	0.001	0.001	0.694	0.670	0.650	0.650	0.482
		Back at 5mm	0.391	0.425	0.348	1.173	1.142	0.021	0.025	2.586	1.564	1.554	1.558	0.837
Max WWAN	Ant 4	Front at 5mm	0.361	0.263	0.118	0.452	0.431	0.001	0.001	0.694	0.813	0.793	0.793	0.625
		Back at 5mm	0.400	0.425	0.348	1.173	1.142	0.021	0.025	2.586	1.573	1.563	1.567	0.846
Max WWAN	Ant 5	Front at 5mm	0.353	0.263	0.118	0.452	0.431	0.001	0.001	0.694	0.805	0.785	0.785	0.617
		Back at 5mm	0.393	0.425	0.348	1.173	1.142	0.021	0.025	2.586	1.566	1.556	1.560	0.839
Max WWAN	Ant 8	Front at 5mm	0.571	0.263	0.118	0.452	0.431	0.001	0.001	0.694	1.023	1.003	1.003	0.835
		Back at 5mm	0.405	0.425	0.348	1.173	1.142	0.021	0.025	2.586	1.578	1.568	1.572	0.851
Max WWAN	Ant 9	Front at 5mm	0.330	0.263	0.118	0.452	0.431	0.001	0.001	0.694	0.782	0.762	0.762	0.594
		Back at 5mm	0.399	0.425	0.348	1.173	1.142	0.021	0.025	2.586	1.572	1.562	1.566	0.845

< WWAN DSI 1/1_WiFi ON, WLAN Power table 2 Non-DBS/table 2 DBS, Bluetooth >

WWAN1	Exposure Position	1	2	3	4	5	6	7	8	1+2+5+6 Summed 1g SAR (W/kg)	1+3+5+7 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)
		WWAN1 1g SAR (W/kg)	2.4GHz WLAN Ant 6 1g SAR (W/kg)	2.4GHz WLAN Ant 7 1g SAR (W/kg)	2.4GHz WLAN Ant MIMO 1g SAR (W/kg)	5/6GHz WLAN Ant MIMO 1g SAR (W/kg)	Bluetooth Ant 7 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)	6GHz WLAN APD Ant MIMO (W/m²)			
Max WWAN	Ant 1	Front at 5mm	0.649	0.263	0.118	0.452	0.431	0.001	0.001	0.694	1.344	1.199
		Back at 5mm	0.394	0.425	0.348	0.599	0.589	0.021	0.025	2.586	1.429	1.356
Max WWAN	Ant 2	Front at 5mm	0.259	0.263	0.118	0.452	0.431	0.001	0.001	0.694	0.954	0.809
		Back at 5mm	0.395	0.425	0.348	0.599	0.589	0.021	0.025	2.586	1.430	1.357
Max WWAN	Ant 3	Front at 5mm	0.218	0.263	0.118	0.452	0.431	0.001	0.001	0.694	0.913	0.768
		Back at 5mm	0.391	0.425	0.348	0.599	0.589	0.021	0.025	2.586	1.426	1.353
Max WWAN	Ant 4	Front at 5mm	0.361	0.263	0.118	0.452	0.431	0.001	0.001	0.694	1.056	0.911
		Back at 5mm	0.400	0.425	0.348	0.599	0.589	0.021	0.025	2.586	1.435	1.362
Max WWAN	Ant 5	Front at 5mm	0.353	0.263	0.118	0.452	0.431	0.001	0.001	0.694	1.048	0.903
		Back at 5mm	0.393	0.425	0.348	0.599	0.589	0.021	0.025	2.586	1.428	1.355
Max WWAN	Ant 8	Front at 5mm	0.571	0.263	0.118	0.452	0.431	0.001	0.001	0.694	1.266	1.121
		Back at 5mm	0.405	0.425	0.348	0.599	0.589	0.021	0.025	2.586	1.440	1.367
Max WWAN	Ant 9	Front at 5mm	0.330	0.263	0.118	0.452	0.431	0.001	0.001	0.694	1.025	0.880
		Back at 5mm	0.399	0.425	0.348	0.599	0.589	0.021	0.025	2.586	1.434	1.361

15.4 Product Specific Exposure Conditions

< WLAN Power table 2 Non-DBS, NFC >

Exposure Position	1	2	1+2 Summed 10g SAR (W/kg)
	5/6GHz WLAN Ant MIMO 10g SAR (W/kg)	NFC 10g SAR (W/kg)	
Front at 0mm	0.208	0.001	0.209
Back at 0mm	0.627	0.041	0.668
Left Edge at 0mm	0.018	0.001	0.019
Right Edge at 0mm	0.945	0.001	0.946
Right Edge at 25mm	0.114		0.114
Top Edge at 0mm	0.264	0.001	0.265
Bottom Edge at 0mm	0.006	0.001	0.007

Test Engineer : Putzie Chen, Iran Wang, Dennis Hsieh, YuTing Su, Jay Chien and Jocelyn Huang

16. 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/ κ ^(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) κ 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

17. References

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