

FCC SAR TEST REPORT

FCC ID : UZ7TCW01G
Equipment : Touch Computer
Brand Name : ZEBRA
Model Name : TCW01G
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. 30, 2025 and testing was started from Jan. 14, 2026 and completed on Mar. 31, 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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History of this test report

Report No.	Version	Description	Issued Date
FA5N0611-01B	01	Initial issue of report	Apr. 26, 2026



1. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) for Zebra Technologies Corporation, Touch Computer, TCW01G, are as follows.

Equipment Class	Frequency Band	Highest SAR Summary				Highest Simultaneous Transmission 1g SAR (W/kg)	Highest Product Specific 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	1.18	0.45	1.18		1.59	
	GSM1900	0.44	0.27	0.79			
	WCDMA II	1.18	0.38	1.18			
	WCDMA IV	0.84	0.46	1.18			
	WCDMA V	1.05	0.32	1.17			
	LTE Band 7	1.14	0.49	1.19			
	LTE Band 12/17	0.76	0.26	0.84			
	LTE Band 13	0.88	0.28	1.02			
	LTE Band 14	0.86	0.30	1.01			
	LTE Band 2/25	1.20	0.42	1.17			
	LTE Band 5/26	0.84	0.33	1.15			
	LTE Band 30	1.00	0.34	1.18			
	LTE Band 4/66	0.83	0.59	1.19			
	LTE Band 71	0.29	0.12	0.38			
	LTE Band 106	1.17	0.37	1.17			
	LTE Band 70	0.96	0.37	1.19			
	LTE Band 38/41	1.15	0.41	1.17			
	LTE Band 48	1.18	0.50	1.19			
	FR1 n7	1.20	0.63	1.19			
	FR1 n12	0.91	0.31	0.70			
	FR1 n13	0.92	0.36	0.84			
	FR1 n14	1.01	0.37	0.94			
	FR1 n2/n25	1.19	0.57	1.19			
	FR1 n5/n26	1.04	0.35	1.05			
	FR1 n30	1.11	0.55	1.17			
	FR1 n66	0.82	0.48	1.19			
	FR1 n70	0.89	0.51	1.15			
	FR1 n71	0.25	0.14	0.32			
	FR1 n38/n41	1.15	0.50	1.16			
	FR1 n48	1.17	0.69	1.17			
	FR1 n77/n78	1.16	0.84	1.19			
DTS	2.4GHz WLAN	1.05	0.42	1.20		1.20	
NII	5GHz WLAN	1.19	0.94	1.17	0.72	1.20	0.72
6CD/6VL	6GHz WLAN	0.92	0.27	0.53	0.58	1.20	0.61
DSS	Bluetooth	0.05	0.02	0.05		0.94	
DXX	NFC				0.12		0.72
Equipment Class	Frequency Band	Head	Hotspot	Body-worn	Product Specific	Reported PD	
		Reported APD (mW/cm²)	Reported APD (mW/cm²)	Reported APD (mW/cm²)	Reported APD (mW/cm²)	(mW/cm²)	
6CD/6VL	6GHz WLAN	0.69	0.22	0.37	1.40	0.74	
Date of Testing:		2026/01/14 ~ 2026/03/31					

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: Paula Chen



2. Equipment Under Test (EUT) Information

2.1 General Information

Product Feature & Specification	
Equipment Name	Touch Computer
Brand Name	ZEBRA
Model Name	TCW01G
FCC ID	UZ7TCW01G
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 14: 788 MHz ~ 798 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 30: 2305 MHz ~ 2315 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 48: 3550 MHz ~ 3700 MHz LTE Band 66: 1710 MHz ~ 1780 MHz LTE Band 70: 1695 MHz ~ 1710 MHz LTE Band 71: 663 MHz ~ 698 MHz LTE Band 106: 896 MHz ~ 901 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 n13: 777 MHz ~ 787 MHz 5G NR n14 : 788 MHz ~ 798 MHz 5G NR n25 : 1850 MHz ~ 1915 MHz 5G NR n26 : 814 MHz ~ 849 MHz 5G NR n30 : 2305 MHz ~ 2315 MHz 5G NR n38 : 2570 MHz ~ 2620 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n48 : 3550 MHz ~ 3700 MHz 5G NR n66 : 1710 MHz ~ 1780 MHz 5G NR n70 : 1695 MHz ~ 1710 MHz 5G NR n71 : 663 MHz ~ 698 MHz 5G NR n77: 3700 MHz ~ 3980 MHz, 3450MHz ~ 3550MHz 5G NR n78: 3700 MHz ~ 3800 MHz, 3450MHz ~ 3550MHz 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/be HT20/HT40/VHT20/VHT40/VHT80/VHT160/HE20/HE40/HE80/HE160/EHT20/EHT40/EHT80/EHT160/EHT320 Bluetooth BR/EDR/LE NFC: ASK
HW Version	EV1
SW Version	15-12-29.00-VG-U00-PRD-ERS-04
FW Version	FUSION_QA_7_1.3.0.002_V
MFD	15NOV25
GSM / (E)GPRS Transfer mode	Class B – EUT cannot support Packet Switched and Circuit Switched Network simultaneously but can automatically switch between Packet and Circuit Switched Network.
EUT Stage	Identical Prototype
Remark: 1. The device implements the smart transmit power management and sensor detection for SAR compliance at different exposure conditions (head, body-worn, Limbs) except NFC operation, the smart transmit feature will manage to ensure the power level not exceeding the associated power table. 2. There are five sample configurations as listed in the table below. Sample 1 is selected as the main test sample, Samples 3, 5, 6, and 10 are spot-checked to verify the findings of Sample 1. 3. The device support hotspot operation in 2.4GHz, 5.2GHz 5.8GHz WLAN and 6GHz WLAN only in 6VL 4. The device implements sensor detection for SAR compliance at different exposure conditions and the power verification include in appendix E. 5. The device support sensor detection and the power verification include in appendix E, more information refer to operational description. 6. The device 2.4GHz support hotspot operation via 5/6GHz receive signal. 7. The device support motion sensor, in section 14.2 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	Basic + SE4730 (SR500)
Sample 3	Basic + SE56 (AC670)
Sample 5	Premium + SE4730 (SR500)
Sample 6	Premium + SE56 (AC670)
Sample 10	Premium + SE4780(SR560) Angled

Accessories Information			
Description	Brand	Model name	Zebra PN
AC Adapter 1	Zebra	SAWA-65-20005A	PWR-WUA5V12W0US
Battery 1 (1x)	Zebra	BT-000473	BT-000473-0020
Battery 2 (1.5x)	Zebra	BT-000473E	BT-000473-0820
Battery 3 (2x) JP angled sku only	Zebra	BT-000543	BTRY-TC2A-4XMAXX-01
USB TYPE A to TYPE C cable	Zebra	N/A	CBL-TC2X-USBC-01
USB TYPE C to TYPE C cable	Zebra	N/A	CBL-EC5X-USBC3A-01
PTT Headset with USB-C connector	Zebra	N/A	HDST-USBC-PTT1-01
PTT and VoIP headset with 3.5mm standard jack.	Zebra	N/A	HDST-35MM-PTVP-02
USB-C to 3.5mm adapter cable	Zebra	N/A	ADP-USBC-35MM1-01
HS2100 rugged wired headset	Zebra	HS2100	HS2100-BTN-LSB
HS2100 Headset Cable for connecting the HS2100 Headset via 3.5mm	Zebra	N/A	CBL-HS2100-3MS1-01
Rugged boot	Zebra	N/A	SG-TC2L-BOOT-01
Handstrap	Zebra	N/A	SG-TC2L-HSTRP1-01
Trigger Handle	Zebra	N/A	CRG-TC2L-SNP1-01
Arm Mounts	Zebra	N/A	SG-TC2L-ARMNT-01
Soft Holster	Zebra	N/A	SG-TC2L-HLSTR1-01
HS3100 rugged Bluetooth headset	Zebra	HS3100	HS3100-OTH

**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.

Band	Antenna	Duty Cycle	Motion-Sensor off	Head	Hotspot	Body-worn/ Product Specific
			DSI 0	DSI 4	DSI 2	DSI 3
GSM850 GSM 1 Tx slot	Ant 8	12.50%	33.50	32.60	33.30	33.30
GSM850 GPRS 1 Tx slot	Ant 8	12.50%	33.50	32.60	33.30	33.30
GSM850 GPRS 2 Tx slots	Ant 8	25.00%	30.50	29.60	30.30	30.30
GSM850 GPRS 3 Tx slots	Ant 8	37.50%	28.50	27.80	28.50	28.50
GSM850 GPRS 4 Tx slots	Ant 8	50.00%	27.50	26.60	27.30	27.30
GSM850 EDGE 1 Tx slot	Ant 8	12.50%	27.50	27.50	27.50	27.50
GSM850 EDGE 2 Tx slots	Ant 8	25.00%	25.50	25.50	25.50	25.50
GSM850 EDGE 3 Tx slots	Ant 8	37.50%	24.50	24.50	24.50	24.50
GSM850 EDGE 4 Tx slots	Ant 8	50.00%	22.50	22.50	22.50	22.50
GSM1900 GSM 1 Tx slot	Ant 1	12.50%	30.50	30.50	30.50	30.50
GSM1900 GPRS 1 Tx slot	Ant 1	12.50%	30.50	30.50	30.50	30.50
GSM1900 GPRS 2 Tx slots	Ant 1	25.00%	27.50	27.50	27.50	27.50
GSM1900 GPRS 3 Tx slots	Ant 1	37.50%	25.50	25.50	25.50	25.50
GSM1900 GPRS 4 Tx slots	Ant 1	50.00%	23.50	23.50	23.50	23.50
GSM1900 EDGE 1 Tx slot	Ant 1	12.50%	25.50	25.50	25.50	25.50
GSM1900 EDGE 2 Tx slots	Ant 1	25.00%	24.50	24.50	24.50	24.50
GSM1900 EDGE 3 Tx slots	Ant 1	37.50%	22.50	22.50	22.50	22.50
GSM1900 EDGE 4 Tx slots	Ant 1	50.00%	21.50	21.50	21.50	21.50
WCDMA B2	Ant 1	100.00%	25.00	24.80	22.30	22.30
WCDMA B4	Ant 1	100.00%	25.00	25.00	21.30	21.30
WCDMA B5	Ant 8	100.00%	25.00	25.00	24.00	24.00
LTE B2	Ant 1	100.00%	25.00	24.60	22.20	22.20
LTE B2	Ant 5	100.00%	25.00	25.00	23.00	23.00
LTE B4	Ant 1	100.00%	25.00	25.00	20.80	20.80
LTE B4	Ant 5	100.00%	25.00	25.00	22.20	22.20
LTE B5	Ant 8	100.00%	25.00	25.00	25.00	25.00
LTE B7	Ant 8	100.00%	25.00	21.00	21.60	21.60
LTE B7	Ant 5	100.00%	25.00	25.00	18.70	18.70
LTE B12	Ant 8	100.00%	25.00	25.00	25.00	25.00
LTE B13	Ant 8	100.00%	24.50	24.50	24.50	24.50
LTE B14	Ant 8	100.00%	24.50	24.50	24.50	24.50
LTE B17	Ant 8	100.00%	25.00	25.00	25.00	25.00
LTE B25	Ant 1	100.00%	25.00	24.60	22.20	22.20
LTE B25	Ant 5	100.00%	25.00	25.00	23.00	23.00
LTE B26	Ant 8	100.00%	25.00	25.00	25.00	25.00
LTE B30	Ant 8	100.00%	24.50	24.50	23.50	23.50
LTE B30	Ant 5	100.00%	24.50	24.50	20.40	20.40
LTE B66	Ant 1	100.00%	25.00	25.00	20.80	20.80
LTE B66	Ant 5	100.00%	25.00	25.00	22.20	22.20
LTE B71	Ant 8	100.00%	25.00	25.00	25.00	25.00
LTE B106	Ant 8	100.00%	25.00	22.20	22.60	22.60
LTE B70	Ant 1	100.00%	25.00	25.00	22.20	22.20
LTE B70	Ant 5	100.00%	25.00	25.00	24.60	24.60
LTE B38 PC3	Ant 8	63.30%	25.00	23.00	23.20	23.20



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LTE B38 PC3	Ant 5	63.30%	25.00	23.00	20.80	20.80
LTE B41 PC3	Ant 8	63.30%	25.00	23.00	23.20	23.20
LTE B41 PC2	Ant 8	43.30%	27.00	24.60	24.80	24.80
LTE B41 PC3	Ant 5	63.30%	25.00	23.00	20.80	20.80
LTE B41 PC2	Ant 5	43.30%	27.00	25.00	22.40	22.40
LTE B48 PC3	Ant 8	63.30%	23.50	23.20	19.20	19.20
LTE B48 PC3	Ant 9	63.30%	23.50	21.20	23.40	23.40
FR1 n2	Ant 1	100.00%	25.00	24.50	25.00	25.00
FR1 n2	Ant 5	100.00%	25.00	25.00	22.20	22.20
FR1 n5	Ant 8	100.00%	25.00	24.80	25.00	25.00
FR1 n7	Ant 8	100.00%	25.00	22.40	22.30	22.30
FR1 n7	Ant 5	100.00%	25.00	25.00	18.80	18.80
FR1 n12	Ant 8	100.00%	25.00	25.00	25.00	25.00
FR1 n13	Ant 8	100.00%	24.50	24.50	24.50	24.50
FR1 n14	Ant 8	100.00%	24.50	24.50	24.50	24.50
FR1 n25	Ant 1	100.00%	25.00	24.50	25.00	25.00
FR1 n25	Ant 5	100.00%	25.00	25.00	22.20	22.20
FR1 n26	Ant 8	100.00%	25.00	24.80	25.00	25.00
FR1 n30	Ant 8	100.00%	24.50	24.50	24.50	24.50
FR1 n30	Ant 5	100.00%	24.50	24.50	20.50	20.50
FR1 n66	Ant 1	100.00%	25.00	25.00	22.10	22.10
FR1 n66	Ant 5	100.00%	25.00	25.00	22.80	22.80
FR1 n70	Ant 1	100.00%	25.00	25.00	25.00	25.00
FR1 n70	Ant 5	100.00%	25.00	25.00	25.00	25.00
FR1 n71	Ant 8	100.00%	25.00	25.00	25.00	25.00
FR1 n38 PC3	Ant 8	100.00%	25.00	21.70	21.70	21.70
FR1 n41 PC3	Ant 8	100.00%	25.00	21.70	21.70	21.70
FR1 n41 PC2	Ant 8	50.00%	27.00	24.70	24.70	24.70
FR1 n41 PC3	Ant 5	100.00%	23.00	23.00	18.80	18.80
FR1 n41 PC2	Ant 5	50.00%	25.00	25.00	21.80	21.80
FR1 n41 PC3	Ant 3	100.00%	23.50	23.50	23.50	23.50
FR1 n41 PC3	Ant 4	100.00%	23.00	23.00	21.00	21.00
FR1 n48 PC3	Ant 8	100.00%	23.50	22.20	17.50	17.50
FR1 n48 PC3	Ant 9	100.00%	23.50	19.20	22.30	22.30
FR1 n77 (27Q) PC3	Ant 8	100.00%	25.00	21.70	17.90	17.90
FR1 n77 (27Q) PC2	Ant 8	50.00%	27.00	24.70	20.90	20.90
FR1 n77 (27Q) PC3	Ant 9	100.00%	25.00	18.60	21.70	21.70
FR1 n77 (27Q) PC2	Ant 9	50.00%	27.00	21.60	24.70	24.70
FR1 n77 (27Q) PC3	Ant 3	100.00%	25.00	25.00	15.70	15.70
FR1 n77 (27Q) PC3	Ant 4	100.00%	24.00	24.00	19.00	19.00
FR1 n77 PC3	Ant 8	100.00%	23.50	21.70	17.90	17.90
FR1 n77 (27O) PC3	Ant 8	100.00%	25.00	21.70	17.90	17.90
FR1 n77 (27O) PC2	Ant 8	50.00%	27.00	24.70	20.90	20.90
FR1 n77 (27O) PC3	Ant 9	100.00%	25.00	18.60	21.70	21.70
FR1 n77 (27O) PC2	Ant 9	50.00%	27.00	21.60	24.70	24.70
FR1 n77 (27O) PC3	Ant 3	100.00%	25.00	25.00	15.70	15.70
FR1 n77 (27O) PC3	Ant 4	100.00%	24.00	24.00	19.00	19.00
FR1 n77 PC1.5	Ant 8	50.00%	25.00	25.00	25.00	25.00
FR1 n77 PC1.5	Ant 9	50.00%	25.00	25.00	25.00	25.00
FR1 n78 (27Q) PC3	Ant 8	100.00%	25.00	21.70	17.90	17.90
FR1 n78 (27Q) PC2	Ant 8	50.00%	27.00	24.70	20.90	20.90
FR1 n78 (27Q) PC3	Ant 9	100.00%	25.00	18.60	21.70	21.70
FR1 n78 (27Q) PC2	Ant 9	50.00%	27.00	21.60	24.70	24.70
FR1 n78 (27Q) PC3	Ant 3	100.00%	25.00	25.00	15.70	15.70
FR1 n78 (27Q) PC3	Ant 4	100.00%	24.00	24.00	19.00	19.00
FR1 n78 (27O) PC3	Ant 8	100.00%	25.00	21.70	17.90	17.90



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FR1 n78 (27O) PC2	Ant 8	50.00%	27.00	24.70	20.90	20.90
FR1 n78 (27O) PC3	Ant 9	100.00%	25.00	18.60	21.70	21.70
FR1 n78 (27O) PC2	Ant 9	50.00%	27.00	21.60	24.70	24.70
FR1 n78 (27O) PC3	Ant 3	100.00%	25.00	25.00	15.70	15.70
FR1 n78 (27O) PC3	Ant 4	100.00%	24.00	24.00	19.00	19.00
FR1 n78 PC1.5	Ant 8	50.00%	25.00	25.00	25.00	25.00
FR1 n78 PC1.5	Ant 9	50.00%	25.00	25.00	25.00	25.00

< 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 15 and 16 of this report. Detailed information regarding the proprietary power management logic is provided in the operational description.

DSI 0 Sensor off

				non BF			BF
				Ant 6	Ant 7	Ant 6+7	Ant 6+7
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
2.4GHz WLAN	Mode	Channel	Frequency (MHz)				
	802.11b 1Mbps	1	2412	22.00	22.00	25.00	
		6	2437	22.00	22.00	25.00	
		11	2462	22.00	22.00	25.00	
	802.11g 6Mbps	1	2412	17.50	17.50	20.50	
		6	2437	20.50	20.50	23.50	
		11	2462	17.50	17.50	20.50	
	802.11n-HT20 MCS0	1	2412	16.00	14.00	18.10	
		6	2437	20.50	20.50	23.50	
		11	2462	19.00	19.00	22.00	
	802.11ac-VHT20 MCS0	1	2412	16.00	14.00	18.10	
		6	2437	20.50	20.50	23.50	
		11	2462	19.00	19.00	22.00	
	802.11ax-HE20 MCS0	1	2412	16.00	14.00	18.10	16.00
		6	2437	20.50	20.50	23.50	20.50
		11	2462	19.00	19.00	22.00	19.00
	802.11be-EHT20 MCS0	1	2412	16.00	14.00	18.10	16.00
		6	2437	20.50	20.50	23.50	20.50
		11	2462	19.00	19.00	22.00	19.00



				non BF			BF
				Ant 6	Ant 7	Ant 6+7	Ant 6+7
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	18.00	18.00	21.00	
		40	5200	20.00	20.00	23.00	
		44	5220	20.00	20.00	23.00	
		48	5240	20.00	20.00	23.00	
	802.11n-HT20 MCS0	36	5180	18.00	18.00	21.00	
		40	5200	19.50	19.50	22.50	
		44	5220	19.50	19.50	22.50	
		48	5240	19.50	19.50	22.50	
	802.11n-HT40 MCS0	38	5190	16.50	16.50	19.50	
		46	5230	19.00	19.00	22.00	
	802.11ac-VHT20 MCS0	36	5180	18.00	18.00	21.00	
		40	5200	19.50	19.50	22.50	
		44	5220	19.50	19.50	22.50	
		48	5240	19.50	19.50	22.50	
	802.11ac-VHT40 MCS0	38	5190	16.50	16.50	19.50	
		46	5230	19.00	19.00	22.00	
	802.11ac-VHT80 MCS0	42	5210	16.50	16.50	19.50	
	802.11ax-HE20 MCS0	36	5180	18.00	18.00	21.00	18.00
		40	5200	19.50	19.50	22.50	19.50
		44	5220	19.50	19.50	22.50	19.50
		48	5240	19.50	19.50	22.50	19.50
	802.11ax-HE40 MCS0	38	5190	16.50	16.50	19.50	16.50
		46	5230	19.00	19.00	22.00	19.00
	802.11ax-HE80 MCS0	42	5210	16.50	16.50	19.50	16.50
	802.11be-EHT20 MCS0	36	5180	18.00	18.00	21.00	18.00
		40	5200	19.50	19.50	22.50	19.50
		44	5220	19.50	19.50	22.50	19.50
		48	5240	19.50	19.50	22.50	19.50
	802.11be-EHT40 MCS0	38	5190	16.50	16.50	19.50	16.50
		46	5230	19.00	19.00	22.00	19.00
	802.11be-EHT40 MCS0	42	5210	16.50	16.50	19.50	16.50



				non BF			BF
				Ant 6	Ant 7	Ant 6+7	Ant 6+7
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
	802.11a 6Mbps	52	5260	20.00	20.00	23.00	
		56	5280	20.00	20.00	23.00	
		60	5300	19.00	19.00	22.00	
		64	5320	18.50	18.50	21.50	
	802.11n-HT20 MCS0	52	5260	19.50	19.50	22.50	
		56	5280	19.50	19.50	22.50	
		60	5300	19.00	19.00	22.00	
		64	5320	18.50	18.50	21.50	
	802.11n-HT40 MCS0	54	5270	19.00	19.00	22.00	
		62	5310	17.50	17.50	20.50	
	802.11ac-VHT20 MCS0	52	5260	19.50	19.50	22.50	
		56	5280	19.50	19.50	22.50	
		60	5300	19.00	19.00	22.00	
		64	5320	18.50	18.50	21.50	
	802.11ac-VHT40 MCS0	54	5270	19.00	19.00	22.00	
		62	5310	17.50	17.50	20.50	
	802.11ac-VHT80 MCS0	58	5290	16.00	16.00	19.00	
	802.11ac-VHT160 MCS0	50	5250	16.50	16.50	19.50	
	802.11ax-HE20 MCS0	52	5260	19.50	19.50	22.50	19.50
		56	5280	19.50	19.50	22.50	19.50
		60	5300	19.00	19.00	22.00	19.00
		64	5320	18.50	18.50	21.50	18.50
	802.11ax-HE40 MCS0	54	5270	19.00	19.00	22.00	19.00
		62	5310	17.50	17.50	20.50	17.50
	802.11ax-HE80 MCS0	58	5290	16.00	16.00	19.00	16.00
	802.11ax-HE160 MCS0	50	5250	16.50	16.50	19.50	16.50
	802.11be-EHT20 MCS0	52	5260	19.50	19.50	22.50	19.50
		56	5280	19.50	19.50	22.50	19.50
		60	5300	19.00	19.00	22.00	19.00
		64	5320	18.50	18.50	21.50	18.50
	802.11be-EHT40 MCS0	54	5270	19.00	19.00	22.00	19.00
		62	5310	17.50	17.50	20.50	17.50
	802.11be-EHT80 MCS0	58	5290	16.00	16.00	19.00	16.00
	802.11be-EHT160 MCS0	50	5250	16.50	16.50	19.50	16.50



				non BF			BF
				Ant 6	Ant 7	Ant 6+7	Ant 6+7
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.5GHz WLAN	Mode	Channel	Frequency (MHz)				
	802.11a 6Mbps	100	5500	19.00	19.00	22.00	
		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	19.00	19.00	22.00	
		116	5580	19.50	19.50	22.50	
		124	5620	19.50	19.50	22.50	
		132	5660	19.50	19.50	22.50	
		144	5720	19.50	19.50	22.50	
	802.11n-HT40 MCS0	102	5510	18.50	18.50	21.50	
		110	5550	19.00	19.00	22.00	
		126	5630	19.00	19.00	22.00	
		134	5670	18.50	18.50	21.50	
		142	5710	19.00	19.00	22.00	
	802.11ac-VHT20 MCS0	100	5500	19.00	19.00	22.00	
		116	5580	19.50	19.50	22.50	
		124	5620	19.50	19.50	22.50	
		132	5660	19.50	19.50	22.50	
		144	5720	19.50	19.50	22.50	
	802.11ac-VHT40 MCS0	102	5510	18.50	18.50	21.50	
		110	5550	19.00	19.00	22.00	
		126	5630	19.00	19.00	22.00	
		134	5670	18.50	18.50	21.50	
		142	5710	19.00	19.00	22.00	
	802.11ac-VHT80 MCS0	106	5530	18.50	18.50	21.50	
		122	5610	19.00	19.00	22.00	
		138	5690	19.00	19.00	22.00	
	802.11ac-VHT160 MCS0	114	5570	17.00	17.00	20.00	
	802.11ax-HE20 MCS0	100	5500	19.00	19.00	22.00	19.00
		116	5580	19.50	19.50	22.50	19.50
		124	5620	19.50	19.50	22.50	19.50
		132	5660	19.50	19.50	22.50	19.50
		144	5720	19.50	19.50	22.50	19.50
	802.11ax-HE40 MCS0	102	5510	18.50	18.50	21.50	18.50
		110	5550	19.00	19.00	22.00	19.00
		126	5630	19.00	19.00	22.00	19.00
		134	5670	18.50	18.50	21.50	18.50
		142	5710	19.00	19.00	22.00	19.00
	802.11ax-HE80 MCS0	106	5530	18.50	18.50	21.50	18.50
		122	5610	19.00	19.00	22.00	19.00
		138	5690	19.00	19.00	22.00	19.00
	802.11ax-HE160 MCS0	114	5570	17.00	17.00	20.00	17.00
	802.11be-EHT20 MCS0	100	5500	19.00	19.00	22.00	19.00
		116	5580	19.50	19.50	22.50	19.50
		124	5620	19.50	19.50	22.50	19.50
		132	5660	19.50	19.50	22.50	19.50
		144	5720	19.50	19.50	22.50	19.50
	802.11be-EHT40 MCS0	102	5510	18.50	18.50	21.50	18.50
		110	5550	19.00	19.00	22.00	19.00
		126	5630	19.00	19.00	22.00	19.00
		134	5670	18.50	18.50	21.50	18.50
		142	5710	19.00	19.00	22.00	19.00
	802.11be-EHT80 MCS0	106	5530	18.50	18.50	21.50	18.50
		122	5610	19.00	19.00	22.00	19.00
		138	5690	19.00	19.00	22.00	19.00
	802.11be-EHT160 MCS0	114	5570	17.00	17.00	20.00	17.00



				non BF			BF
				Ant 6	Ant 7	Ant 6+7	Ant 6+7
				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	19.50	19.50	22.50	
		157	5785	19.50	19.50	22.50	
		165	5825	19.50	19.50	22.50	
	802.11n-HT40 MCS0	151	5755	19.00	19.00	22.00	
		159	5795	19.00	19.00	22.00	
		165	5825	19.00	19.00	22.00	
	802.11ac-VHT20 MCS0	149	5745	19.50	19.50	22.50	
		157	5785	19.50	19.50	22.50	
		165	5825	19.50	19.50	22.50	
	802.11ac-VHT40 MCS0	151	5755	19.00	19.00	22.00	
		159	5795	19.00	19.00	22.00	
		165	5825	19.00	19.00	22.00	
	802.11ac-VHT80 MCS0	149	5745	19.00	19.00	22.00	
		157	5785	19.50	19.50	22.50	19.50
		165	5825	19.50	19.50	22.50	19.50
	802.11ax-HE20 MCS0	151	5755	19.00	19.00	22.00	19.00
		159	5795	19.00	19.00	22.00	19.00
		165	5825	19.00	19.00	22.00	19.00
	802.11ax-HE40 MCS0	149	5745	19.00	19.00	22.00	19.00
		157	5785	19.50	19.50	22.50	19.50
		165	5825	19.50	19.50	22.50	19.50
	802.11ax-HE80 MCS0	151	5755	19.00	19.00	22.00	19.00
		159	5795	19.00	19.00	22.00	19.00
		165	5825	19.00	19.00	22.00	19.00
	802.11be-EHT20 MCS0	149	5745	19.50	19.50	22.50	19.50
		157	5785	19.50	19.50	22.50	19.50
		165	5825	19.50	19.50	22.50	19.50
	802.11be-EHT40 MCS0	151	5755	19.00	19.00	22.00	19.00
		159	5795	19.00	19.00	22.00	19.00
		165	5825	19.00	19.00	22.00	19.00
	802.11be-EHT80 MCS0	149	5745	19.00	19.00	22.00	19.00
		157	5785	19.50	19.50	22.50	19.50
		165	5825	19.50	19.50	22.50	19.50



				non BF			BF
				Ant 6	Ant 7	Ant 6+7	Ant 6+7
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
WiFi 6E (SP)	Mode	Channel	Frequency (MHz)				
	802.11a 6Mbps	1	5955	20.00	20.00	23.00	
		57	6235	20.00	20.00	23.00	
		173	6815	20.00	20.00	23.00	
	802.11ax-HE20 MCS0	1	5955	19.50	19.50	22.50	19.50
		57	6235	19.50	19.50	22.50	19.50
		173	6815	19.50	19.50	22.50	19.50
	802.11ax-HE40 MCS0	3	5965	19.50	19.50	22.50	19.50
		59	6245	19.50	19.50	22.50	19.50
		171	6805	19.50	19.50	22.50	19.50
	802.11ax-HE80 MCS0	7	5985	19.50	19.50	22.50	19.50
		71	6305	19.50	19.50	22.50	19.50
		167	6785	19.50	19.50	22.50	19.50
	802.11ax-HE160 MCS0	15	6025	19.00	19.00	22.00	19.00
		47	6185	19.00	19.00	22.00	19.00
		143	6665	19.00	19.00	22.00	19.00
	802.11be-EHT20 MCS0	1	5955	19.50	19.50	22.50	19.50
		57	6235	19.50	19.50	22.50	19.50
		173	6815	19.50	19.50	22.50	19.50
	802.11be-EHT40 MCS0	3	5965	19.50	19.50	22.50	19.50
		59	6245	19.50	19.50	22.50	19.50
		171	6805	19.50	19.50	22.50	19.50
	802.11be-EHT80 MCS0	7	5985	19.50	19.50	22.50	19.50
		71	6305	19.50	19.50	22.50	19.50
		167	6785	19.50	19.50	22.50	19.50
	802.11be-EHT160 MCS0	15	6025	19.00	19.00	22.00	19.00
		47	6185	19.00	19.00	22.00	19.00
		143	6665	19.00	19.00	22.00	19.00
	802.11be-EHT320 MCS0	31	6105	18.00	18.00	21.00	18.00
		63	6265	18.00	18.00	21.00	18.00

				non BF			BF
				Ant 6	Ant 7	Ant 6+7	Ant 6+7
	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
WiFi 6E (LP)	802.11a 6Mbps	1	5955	5.50	5.50	8.50	
		57	6235	5.50	5.50	8.50	
		113	6515	5.50	5.50	8.50	
		173	6815	5.50	5.50	8.50	
		233	7115	6.50	6.50	9.50	
	802.11ax-HE20 MCS0	1	5955	9.00	9.00	12.00	9.00
		57	6235	9.00	9.00	12.00	9.00
		113	6515	9.00	9.00	12.00	9.00
		173	6815	9.00	9.00	12.00	9.00
		233	7115	10.00	10.00	13.00	10.00
	802.11ax-HE40 MCS0	3	5965	12.00	12.00	15.00	12.00
		59	6245	12.00	12.00	15.00	12.00
		107	6485	12.00	12.00	15.00	12.00
		171	6805	12.00	12.00	15.00	12.00
		227	7085	13.00	13.00	16.00	13.00
	802.11ax-HE80 MCS0	7	5985	15.00	15.00	18.00	15.00
		71	6305	15.00	15.00	18.00	15.00
		119	6545	15.00	15.00	18.00	15.00
		167	6785	15.00	15.00	18.00	15.00
		215	7025	15.00	15.00	18.00	15.00
	802.11ax-HE160 MCS0	15	6025	17.50	17.50	20.50	17.50
		47	6185	17.50	17.50	20.50	17.50
		111	6505	17.50	17.50	20.50	17.50
		143	6665	17.50	17.50	20.50	17.50
		207	6985	17.50	17.50	20.50	17.50
	802.11be-EHT20 MCS0	1	5955	9.00	9.00	12.00	9.00
		57	6235	9.00	9.00	12.00	9.00
		113	6515	9.00	9.00	12.00	9.00
		173	6815	9.00	9.00	12.00	9.00
		233	7115	10.00	10.00	13.00	10.00
	802.11be-EHT40 MCS0	3	5965	12.00	12.00	15.00	12.00
		59	6245	12.00	12.00	15.00	12.00
		107	6485	12.00	12.00	15.00	12.00
		171	6805	12.00	12.00	15.00	12.00
		227	7085	13.00	13.00	16.00	13.00
	802.11be-EHT80 MCS0	7	5985	15.00	15.00	18.00	15.00
		71	6305	15.00	15.00	18.00	15.00
		119	6545	15.00	15.00	18.00	15.00
		167	6785	15.00	15.00	18.00	15.00
		215	7025	15.00	15.00	18.00	15.00
	802.11be-EHT160 MCS0	15	6025	17.50	17.50	20.50	17.50
		47	6185	17.50	17.50	20.50	17.50
		111	6505	17.50	17.50	20.50	17.50
		143	6665	17.50	17.50	20.50	17.50
		207	6985	17.50	17.50	20.50	17.50
	802.11be-EHT320 MCS0	31	6105	18.00	18.00	21.00	18.00
		63	6265	18.00	18.00	21.00	18.00
		95	6425	18.00	18.00	21.00	18.00
		127	6585	18.00	18.00	21.00	18.00
		159	6745	18.00	18.00	21.00	18.00
		191	6905	18.00	18.00	21.00	18.00



				non BF			BF
				Ant 6	Ant 7	Ant 6+7	Ant 6+7
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
WiFi 6E (VLP)	Mode	Channel	Frequency (MHz)				
	802.11a 6Mbps	1	5955	1.50	1.50	4.50	
		57	6235	1.50	1.50	4.50	
		113	6515	1.50	1.50	4.50	
		173	6815	1.50	1.50	4.50	
		233	7115	2.00	2.00	5.00	
	802.11ax-HE20 MCS0	1	5955	5.00	5.00	8.00	5.00
		57	6235	5.00	5.00	8.00	5.00
		113	6515	5.00	5.00	8.00	5.00
		173	6815	4.50	4.50	7.50	4.50
		233	7115	6.00	6.00	9.00	6.00
	802.11ax-HE40 MCS0	3	5965	7.50	7.50	10.50	7.50
		59	6245	7.50	7.50	10.50	7.50
		107	6485	7.50	7.50	10.50	7.50
		171	6805	8.00	8.00	11.00	8.00
		227	7085	9.00	9.00	12.00	9.00
	802.11ax-HE80 MCS0	7	5985	10.50	10.50	13.50	10.50
		71	6305	10.50	10.50	13.50	10.50
		119	6545	10.50	10.50	13.50	10.50
		167	6785	10.50	10.50	13.50	10.50
		215	7025	10.50	10.50	13.50	10.50
	802.11ax-HE160 MCS0	15	6025	10.00	10.00	13.00	10.00
		47	6185	10.00	10.00	13.00	10.00
		111	6505	10.00	10.00	13.00	10.00
		143	6665	10.00	10.00	13.00	10.00
		207	6985	10.00	10.00	13.00	10.00
	802.11be-EHT20 MCS0	1	5955	5.00	5.00	8.00	5.00
		57	6235	5.00	5.00	8.00	5.00
		113	6515	5.00	5.00	8.00	5.00
		173	6815	4.50	4.50	7.50	4.50
		233	7115	6.00	6.00	9.00	6.00
	802.11be-EHT40 MCS0	3	5965	7.50	7.50	10.50	7.50
		59	6245	7.50	7.50	10.50	7.50
		107	6485	7.50	7.50	10.50	7.50
		171	6805	8.00	8.00	11.00	8.00
		227	7085	9.00	9.00	12.00	9.00
	802.11be-EHT80 MCS0	7	5985	10.50	10.50	13.50	10.50
		71	6305	10.50	10.50	13.50	10.50
		119	6545	10.50	10.50	13.50	10.50
		167	6785	10.50	10.50	13.50	10.50
		215	7025	10.50	10.50	13.50	10.50
	802.11be-EHT160 MCS0	15	6025	10.00	10.00	13.00	10.00
		47	6185	10.00	10.00	13.00	10.00
		111	6505	10.00	10.00	13.00	10.00
		143	6665	10.00	10.00	13.00	10.00
		207	6985	10.00	10.00	13.00	10.00
	802.11be-EHT320 MCS0	31	6105	10.50	10.50	13.50	10.50
		63	6265	10.50	10.50	13.50	10.50
		95	6425	10.50	10.50	13.50	10.50
		127	6585	10.50	10.50	13.50	10.50
		159	6745	10.50	10.50	13.50	10.50
		191	6905	10.50	10.50	13.50	10.50

DSI 2

				non BF			BF
				Ant 6	Ant 7	Ant 6+7	Ant 6+7
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	22.00	22.00	25.00	
		6	2437	22.00	22.00	25.00	
		11	2462	22.00	22.00	25.00	
	802.11g 6Mbps	1	2412	17.50	17.50	20.50	
		6	2437	20.50	20.50	23.50	
		11	2462	17.50	17.50	20.50	
	802.11n-HT20 MCS0	1	2412	16.00	14.00	18.10	
		6	2437	20.50	20.50	23.50	
		11	2462	19.00	19.00	22.00	
	802.11ac-VHT20 MCS0	1	2412	16.00	14.00	18.10	
		6	2437	20.50	20.50	23.50	
		11	2462	19.00	19.00	22.00	
	802.11ax-HE20 MCS0	1	2412	16.00	14.00	18.10	16.00
		6	2437	20.50	20.50	23.50	20.50
		11	2462	19.00	19.00	22.00	19.00
	802.11be-EHT20 MCS0	1	2412	16.00	14.00	18.10	16.00
		6	2437	20.50	20.50	23.50	20.50
		11	2462	19.00	19.00	22.00	19.00



				non BF			BF
				Ant 6	Ant 7	Ant 6+7	Ant 6+7
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	18.00	18.00	21.00	
		40	5200	20.00	20.00	23.00	
		44	5220	20.00	20.00	23.00	
		48	5240	20.00	20.00	23.00	
	802.11n-HT20 MCS0	36	5180	18.00	18.00	21.00	
		40	5200	19.50	19.50	22.50	
		44	5220	19.50	19.50	22.50	
		48	5240	19.50	19.50	22.50	
	802.11n-HT40 MCS0	38	5190	16.50	16.50	19.50	
		46	5230	19.00	19.00	22.00	
	802.11ac-VHT20 MCS0	36	5180	18.00	18.00	21.00	
		40	5200	19.50	19.50	22.50	
		44	5220	19.50	19.50	22.50	
		48	5240	19.50	19.50	22.50	
	802.11ac-VHT40 MCS0	38	5190	16.50	16.50	19.50	
		46	5230	19.00	19.00	22.00	
	802.11ac-VHT80 MCS0			42	5210	16.50	16.50
	802.11ax-HE20 MCS0	36	5180	18.00	18.00	21.00	18.00
		40	5200	19.50	19.50	22.50	19.50
		44	5220	19.50	19.50	22.50	19.50
		48	5240	19.50	19.50	22.50	19.50
	802.11ax-HE40 MCS0	38	5190	16.50	16.50	19.50	16.50
		46	5230	19.00	19.00	22.00	19.00
	802.11ax-HE80 MCS0			42	5210	16.50	16.50
	802.11be-EHT20 MCS0	36	5180	18.00	18.00	21.00	18.00
		40	5200	19.50	19.50	22.50	19.50
		44	5220	19.50	19.50	22.50	19.50
		48	5240	19.50	19.50	22.50	19.50
	802.11be-EHT40 MCS0	38	5190	16.50	16.50	19.50	16.50
		46	5230	19.00	19.00	22.00	19.00
	802.11be-EHT40 MCS0			42	5210	16.50	16.50



				non BF			BF
				Ant 6	Ant 7	Ant 6+7	Ant 6+7
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	20.00	20.00	23.00	
		56	5280	20.00	20.00	23.00	
		60	5300	19.00	19.00	22.00	
		64	5320	18.50	18.50	21.50	
	802.11n-HT20 MCS0	52	5260	19.50	19.50	22.50	
		56	5280	19.50	19.50	22.50	
		60	5300	19.00	19.00	22.00	
		64	5320	18.50	18.50	21.50	
	802.11n-HT40 MCS0	54	5270	19.00	19.00	22.00	
		62	5310	17.50	17.50	20.50	
	802.11ac-VHT20 MCS0	52	5260	19.50	19.50	22.50	
		56	5280	19.50	19.50	22.50	
		60	5300	19.00	19.00	22.00	
		64	5320	18.50	18.50	21.50	
	802.11ac-VHT40 MCS0	54	5270	19.00	19.00	22.00	
		62	5310	17.50	17.50	20.50	
	802.11ac-VHT80 MCS0	58	5290	16.00	16.00	19.00	
	802.11ac-VHT160 MCS0	50	5250	16.50	16.50	19.50	
	802.11ax-HE20 MCS0	52	5260	19.50	19.50	22.50	19.50
		56	5280	19.50	19.50	22.50	19.50
		60	5300	19.00	19.00	22.00	19.00
		64	5320	18.50	18.50	21.50	18.50
	802.11ax-HE40 MCS0	54	5270	19.00	19.00	22.00	19.00
		62	5310	17.50	17.50	20.50	17.50
	802.11ax-HE80 MCS0	58	5290	16.00	16.00	19.00	16.00
	802.11ax-HE160 MCS0	50	5250	16.50	16.50	19.50	16.50
	802.11be-EHT20 MCS0	52	5260	19.50	19.50	22.50	19.50
		56	5280	19.50	19.50	22.50	19.50
		60	5300	19.00	19.00	22.00	19.00
		64	5320	18.50	18.50	21.50	18.50
	802.11be-EHT40 MCS0	54	5270	19.00	19.00	22.00	19.00
		62	5310	17.50	17.50	20.50	17.50
	802.11be-EHT80 MCS0	58	5290	16.00	16.00	19.00	16.00
	802.11be-EHT160 MCS0	50	5250	16.50	16.50	19.50	16.50



				non BF			BF
				Ant 6	Ant 7	Ant 6+7	Ant 6+7
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
	802.11a 6Mbps	100	5500	19.00	19.00	22.00	
		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	19.00	19.00	22.00	
		116	5580	19.50	19.50	22.50	
		124	5620	19.50	19.50	22.50	
		132	5660	19.50	19.50	22.50	
		144	5720	19.50	19.50	22.50	
	802.11n-HT40 MCS0	102	5510	18.50	18.50	21.50	
		110	5550	19.00	19.00	22.00	
		126	5630	19.00	19.00	22.00	
		134	5670	18.50	18.50	21.50	
		142	5710	19.00	19.00	22.00	
	802.11ac-VHT20 MCS0	100	5500	19.00	19.00	22.00	
		116	5580	19.50	19.50	22.50	
		124	5620	19.50	19.50	22.50	
		132	5660	19.50	19.50	22.50	
		144	5720	19.50	19.50	22.50	
	802.11ac-VHT40 MCS0	102	5510	18.50	18.50	21.50	
		110	5550	19.00	19.00	22.00	
		126	5630	19.00	19.00	22.00	
		134	5670	18.50	18.50	21.50	
		142	5710	19.00	19.00	22.00	
	802.11ac-VHT80 MCS0	106	5530	18.50	18.50	21.50	
		122	5610	19.00	19.00	22.00	
		138	5690	19.00	19.00	22.00	
	802.11ac-VHT160 MCS0	114	5570	17.00	17.00	20.00	
	802.11ax-HE20 MCS0	100	5500	19.00	19.00	22.00	19.00
		116	5580	19.50	19.50	22.50	19.50
		124	5620	19.50	19.50	22.50	19.50
		132	5660	19.50	19.50	22.50	19.50
		144	5720	19.50	19.50	22.50	19.50
	802.11ax-HE40 MCS0	102	5510	18.50	18.50	21.50	18.50
		110	5550	19.00	19.00	22.00	19.00
		126	5630	19.00	19.00	22.00	19.00
		134	5670	18.50	18.50	21.50	18.50
		142	5710	19.00	19.00	22.00	19.00
	802.11ax-HE80 MCS0	106	5530	18.50	18.50	21.50	18.50
		122	5610	19.00	19.00	22.00	19.00
		138	5690	19.00	19.00	22.00	19.00
	802.11ax-HE160 MCS0	114	5570	17.00	17.00	20.00	17.00
	802.11be-EHT20 MCS0	100	5500	19.00	19.00	22.00	19.00
		116	5580	19.50	19.50	22.50	19.50
		124	5620	19.50	19.50	22.50	19.50
		132	5660	19.50	19.50	22.50	19.50
		144	5720	19.50	19.50	22.50	19.50
	802.11be-EHT40 MCS0	102	5510	18.50	18.50	21.50	18.50
		110	5550	19.00	19.00	22.00	19.00
		126	5630	19.00	19.00	22.00	19.00
		134	5670	18.50	18.50	21.50	18.50
		142	5710	19.00	19.00	22.00	19.00
	802.11be-EHT80 MCS0	106	5530	18.50	18.50	21.50	18.50
		122	5610	19.00	19.00	22.00	19.00
		138	5690	19.00	19.00	22.00	19.00
	802.11be-EHT160 MCS0	114	5570	17.00	17.00	20.00	17.00

				non BF			BF
				Ant 6	Ant 7	Ant 6+7	Ant 6+7
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
	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	19.50	19.50	22.50	
		157	5785	19.50	19.50	22.50	
		165	5825	19.50	19.50	22.50	
	802.11n-HT40 MCS0	151	5755	19.00	19.00	22.00	
		159	5795	19.00	19.00	22.00	
	802.11ac-VHT20 MCS0	149	5745	19.50	19.50	22.50	
		157	5785	19.50	19.50	22.50	
		165	5825	19.50	19.50	22.50	
	802.11ac-VHT40 MCS0	151	5755	19.00	19.00	22.00	
		159	5795	19.00	19.00	22.00	
	802.11ac-VHT80 MCS0	155	5775	19.00	19.00	22.00	
	802.11ax-HE20 MCS0	149	5745	19.50	19.50	22.50	19.50
		157	5785	19.50	19.50	22.50	19.50
		165	5825	19.50	19.50	22.50	19.50
	802.11ax-HE40 MCS0	151	5755	19.00	19.00	22.00	19.00
		159	5795	19.00	19.00	22.00	19.00
	802.11ax-HE80 MCS0	155	5775	19.00	19.00	22.00	19.00
	802.11be-EHT20 MCS0	149	5745	19.50	19.50	22.50	19.50
		157	5785	19.50	19.50	22.50	19.50
		165	5825	19.50	19.50	22.50	19.50
	802.11be-EHT40 MCS0	151	5755	19.00	19.00	22.00	19.00
		159	5795	19.00	19.00	22.00	19.00
	802.11be-EHT80 MCS0	155	5775	19.00	19.00	22.00	19.00



				non BF			BF
				Ant 6	Ant 7	Ant 6+7	Ant 6+7
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
WiFi 6E (SP)	802.11a 6Mbps	1	5955	17.50	17.50	20.50	
		57	6235	17.50	17.50	20.50	
		173	6815	17.50	17.50	20.50	
	802.11ax-HE20 MCS0	1	5955	17.50	17.50	20.50	17.50
		57	6235	17.50	17.50	20.50	17.50
		173	6815	17.50	17.50	20.50	17.50
	802.11ax-HE40 MCS0	3	5965	17.50	17.50	20.50	17.50
		59	6245	17.50	17.50	20.50	17.50
		171	6805	17.50	17.50	20.50	17.50
	802.11ax-HE80 MCS0	7	5985	17.50	17.50	20.50	17.50
		71	6305	17.50	17.50	20.50	17.50
		167	6785	17.50	17.50	20.50	17.50
	802.11ax-HE160 MCS0	15	6025	17.50	17.50	20.50	17.50
		47	6185	17.50	17.50	20.50	17.50
		143	6665	17.50	17.50	20.50	17.50
	802.11be-EHT20 MCS0	1	5955	17.50	17.50	20.50	17.50
		57	6235	17.50	17.50	20.50	17.50
		173	6815	17.50	17.50	20.50	17.50
	802.11be-EHT40 MCS0	3	5965	17.50	17.50	20.50	17.50
		59	6245	17.50	17.50	20.50	17.50
		171	6805	17.50	17.50	20.50	17.50
	802.11be-EHT80 MCS0	7	5985	17.50	17.50	20.50	17.50
		71	6305	17.50	17.50	20.50	17.50
		167	6785	17.50	17.50	20.50	17.50
	802.11be-EHT160 MCS0	15	6025	17.50	17.50	20.50	17.50
		47	6185	17.50	17.50	20.50	17.50
		143	6665	17.50	17.50	20.50	17.50
	802.11be-EHT320 MCS0	31	6105	17.50	17.50	20.50	17.50
		63	6265	17.50	17.50	20.50	17.50



				non BF			BF
				Ant 6	Ant 7	Ant 6+7	Ant 6+7
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
WiFi 6E (LP!)	802.11a 6Mbps	1	5955	5.50	5.50	8.50	
		57	6235	5.50	5.50	8.50	
		113	6515	5.50	5.50	8.50	
		173	6815	5.50	5.50	8.50	
		233	7115	6.50	6.50	9.50	
	802.11ax-HE20 MCS0	1	5955	9.00	9.00	12.00	9.00
		57	6235	9.00	9.00	12.00	9.00
		113	6515	9.00	9.00	12.00	9.00
		173	6815	9.00	9.00	12.00	9.00
		233	7115	10.00	10.00	13.00	10.00
	802.11ax-HE40 MCS0	3	5965	12.00	12.00	15.00	12.00
		59	6245	12.00	12.00	15.00	12.00
		107	6485	12.00	12.00	15.00	12.00
		171	6805	12.00	12.00	15.00	12.00
		227	7085	13.00	13.00	16.00	13.00
	802.11ax-HE80 MCS0	7	5985	15.00	15.00	18.00	15.00
		71	6305	15.00	15.00	18.00	15.00
		119	6545	15.00	15.00	18.00	15.00
		167	6785	15.00	15.00	18.00	15.00
		215	7025	15.00	15.00	18.00	15.00
	802.11ax-HE160 MCS0	15	6025	17.50	17.50	20.50	17.50
		47	6185	17.50	17.50	20.50	17.50
		111	6505	17.50	17.50	20.50	17.50
		143	6665	17.50	17.50	20.50	17.50
		207	6985	17.50	17.50	20.50	17.50
	802.11be-EHT20 MCS0	1	5955	9.00	9.00	12.00	9.00
		57	6235	9.00	9.00	12.00	9.00
		113	6515	9.00	9.00	12.00	9.00
		173	6815	9.00	9.00	12.00	9.00
		233	7115	10.00	10.00	13.00	10.00
	802.11be-EHT40 MCS0	3	5965	12.00	12.00	15.00	12.00
		59	6245	12.00	12.00	15.00	12.00
		107	6485	12.00	12.00	15.00	12.00
		171	6805	12.00	12.00	15.00	12.00
		227	7085	13.00	13.00	16.00	13.00
	802.11be-EHT80 MCS0	7	5985	15.00	15.00	18.00	15.00
		71	6305	15.00	15.00	18.00	15.00
		119	6545	15.00	15.00	18.00	15.00
		167	6785	15.00	15.00	18.00	15.00
		215	7025	15.00	15.00	18.00	15.00
	802.11be-EHT160 MCS0	15	6025	17.50	17.50	20.50	17.50
		47	6185	17.50	17.50	20.50	17.50
		111	6505	17.50	17.50	20.50	17.50
		143	6665	17.50	17.50	20.50	17.50
		207	6985	17.50	17.50	20.50	17.50
	802.11be-EHT320 MCS0	31	6105	17.50	17.50	20.50	17.50
		63	6265	17.50	17.50	20.50	17.50
		95	6425	17.50	17.50	20.50	17.50
		127	6585	17.50	17.50	20.50	17.50
		159	6745	17.50	17.50	20.50	17.50
		191	6905	17.50	17.50	20.50	17.50



				non BF			BF
				Ant 6	Ant 7	Ant 6+7	Ant 6+7
WiFi 6E (VLP)	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
	802.11a 6Mbps	1	5955	1.50	1.50	4.50	
		57	6235	1.50	1.50	4.50	
		113	6515	1.50	1.50	4.50	
		173	6815	1.50	1.50	4.50	
		233	7115	2.00	2.00	5.00	
	802.11ax-HE20 MCS0	1	5955	5.00	5.00	8.00	5.00
		57	6235	5.00	5.00	8.00	5.00
		113	6515	5.00	5.00	8.00	5.00
		173	6815	4.50	4.50	7.50	4.50
		233	7115	6.00	6.00	9.00	6.00
	802.11ax-HE40 MCS0	3	5965	7.50	7.50	10.50	7.50
		59	6245	7.50	7.50	10.50	7.50
		107	6485	7.50	7.50	10.50	7.50
		171	6805	8.00	8.00	11.00	8.00
		227	7085	9.00	9.00	12.00	9.00
	802.11ax-HE80 MCS0	7	5985	10.50	10.50	13.50	10.50
		71	6305	10.50	10.50	13.50	10.50
		119	6545	10.50	10.50	13.50	10.50
		167	6785	10.50	10.50	13.50	10.50
		215	7025	10.50	10.50	13.50	10.50
	802.11ax-HE160 MCS0	15	6025	10.00	10.00	13.00	10.00
		47	6185	10.00	10.00	13.00	10.00
		111	6505	10.00	10.00	13.00	10.00
		143	6665	10.00	10.00	13.00	10.00
		207	6985	10.00	10.00	13.00	10.00
	802.11be-EHT20 MCS0	1	5955	5.00	5.00	8.00	5.00
		57	6235	5.00	5.00	8.00	5.00
		113	6515	5.00	5.00	8.00	5.00
		173	6815	4.50	4.50	7.50	4.50
		233	7115	6.00	6.00	9.00	6.00
	802.11be-EHT40 MCS0	3	5965	7.50	7.50	10.50	7.50
		59	6245	7.50	7.50	10.50	7.50
		107	6485	7.50	7.50	10.50	7.50
		171	6805	8.00	8.00	11.00	8.00
		227	7085	9.00	9.00	12.00	9.00
	802.11be-EHT80 MCS0	7	5985	10.50	10.50	13.50	10.50
		71	6305	10.50	10.50	13.50	10.50
		119	6545	10.50	10.50	13.50	10.50
		167	6785	10.50	10.50	13.50	10.50
		215	7025	10.50	10.50	13.50	10.50
	802.11be-EHT160 MCS0	15	6025	10.00	10.00	13.00	10.00
		47	6185	10.00	10.00	13.00	10.00
		111	6505	10.00	10.00	13.00	10.00
		143	6665	10.00	10.00	13.00	10.00
		207	6985	10.00	10.00	13.00	10.00
	802.11be-EHT320 MCS0	31	6105	10.50	10.50	13.50	10.50
		63	6265	10.50	10.50	13.50	10.50
		95	6425	10.50	10.50	13.50	10.50
		127	6585	10.50	10.50	13.50	10.50
		159	6745	10.50	10.50	13.50	10.50
		191	6905	10.50	10.50	13.50	10.50

DSI 3

				non BF			BF
				Ant 6	Ant 7	Ant 6+7	Ant 6+7
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
	802.11b 1Mbps	1	2412	20.50	20.50	23.50	
		6	2437	20.50	20.50	23.50	
		11	2462	20.50	20.50	23.50	
	802.11g 6Mbps	1	2412	17.50	17.50	20.50	
		6	2437	20.50	20.50	23.50	
		11	2462	17.50	17.50	20.50	
	802.11n-HT20 MCS0	1	2412	16.00	14.00	18.10	
		6	2437	20.50	20.50	23.50	
		11	2462	19.00	19.00	22.00	
	802.11ac-VHT20 MCS0	1	2412	16.00	14.00	18.10	
		6	2437	20.50	20.50	23.50	
		11	2462	19.00	19.00	22.00	
	802.11ax-HE20 MCS0	1	2412	16.00	14.00	18.10	16.00
		6	2437	20.50	20.50	23.50	20.50
		11	2462	19.00	19.00	22.00	19.00
	802.11be-EHT20 MCS0	1	2412	16.00	14.00	18.10	16.00
		6	2437	20.50	20.50	23.50	20.50
		11	2462	19.00	19.00	22.00	19.00



				non BF			BF
				Ant 6	Ant 7	Ant 6+7	Ant 6+7
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	14.70	14.70	17.70	
		40	5200	14.70	14.70	17.70	
		44	5220	14.70	14.70	17.70	
		48	5240	14.70	14.70	17.70	
	802.11n-HT20 MCS0	36	5180	14.70	14.70	17.70	
		40	5200	14.70	14.70	17.70	
		44	5220	14.70	14.70	17.70	
		48	5240	14.70	14.70	17.70	
	802.11n-HT40 MCS0	38	5190	14.70	14.70	17.70	
		46	5230	14.70	14.70	17.70	
	802.11ac-VHT20 MCS0	36	5180	14.70	14.70	17.70	
		40	5200	14.70	14.70	17.70	
		44	5220	14.70	14.70	17.70	
		48	5240	14.70	14.70	17.70	
	802.11ac-VHT40 MCS0	38	5190	14.70	14.70	17.70	
		46	5230	14.70	14.70	17.70	
	802.11ac-VHT80 MCS0	42	5210	14.70	14.70	17.70	
		36	5180	14.70	14.70	17.70	14.70
	802.11ax-HE20 MCS0	40	5200	14.70	14.70	17.70	14.70
		44	5220	14.70	14.70	17.70	14.70
		48	5240	14.70	14.70	17.70	14.70
		38	5190	14.70	14.70	17.70	14.70
	802.11ax-HE40 MCS0	46	5230	14.70	14.70	17.70	14.70
		42	5210	14.70	14.70	17.70	14.70
	802.11be-EHT20 MCS0	36	5180	14.70	14.70	17.70	14.70
		40	5200	14.70	14.70	17.70	14.70
		44	5220	14.70	14.70	17.70	14.70
		48	5240	14.70	14.70	17.70	14.70
	802.11be-EHT40 MCS0	38	5190	14.70	14.70	17.70	14.70
		46	5230	14.70	14.70	17.70	14.70
	802.11be-EHT40 MCS0	42	5210	14.70	14.70	17.70	14.70

				non BF			BF
				Ant 6	Ant 7	Ant 6+7	Ant 6+7
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
	802.11a 6Mbps	149	5745	14.70	14.70	17.70	
		157	5785	14.70	14.70	17.70	
		165	5825	14.70	14.70	17.70	
	802.11n-HT20 MCS0	149	5745	14.70	14.70	17.70	
		157	5785	14.70	14.70	17.70	
		165	5825	14.70	14.70	17.70	
	802.11n-HT40 MCS0	151	5755	14.70	14.70	17.70	
		159	5795	14.70	14.70	17.70	
	802.11ac-VHT20 MCS0	149	5745	14.70	14.70	17.70	
		157	5785	14.70	14.70	17.70	
		165	5825	14.70	14.70	17.70	
	802.11ac-VHT40 MCS0	151	5755	14.70	14.70	17.70	
		159	5795	14.70	14.70	17.70	
	802.11ac-VHT80 MCS0	155	5775	14.70	14.70	17.70	
	802.11ax-HE20 MCS0	149	5745	14.70	14.70	17.70	14.70
		157	5785	14.70	14.70	17.70	14.70
		165	5825	14.70	14.70	17.70	14.70
	802.11ax-HE40 MCS0	151	5755	14.70	14.70	17.70	14.70
		159	5795	14.70	14.70	17.70	14.70
	802.11ax-HE80 MCS0	155	5775	14.70	14.70	17.70	14.70
	802.11be-EHT20 MCS0	149	5745	14.70	14.70	17.70	14.70
		157	5785	14.70	14.70	17.70	14.70
		165	5825	14.70	14.70	17.70	14.70
	802.11be-EHT40 MCS0	151	5755	14.70	14.70	17.70	14.70
		159	5795	14.70	14.70	17.70	14.70
	802.11be-EHT80 MCS0	155	5775	14.70	14.70	17.70	14.70



				non BF			BF
				Ant 6	Ant 7	Ant 6+7	Ant 6+7
WiFi 6E (VLP)	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
	802.11a 6Mbps	1	5955	1.50	1.50	4.50	
		57	6235	1.50	1.50	4.50	
		113	6515	1.50	1.50	4.50	
		173	6815	1.50	1.50	4.50	
		233	7115	2.00	2.00	5.00	
	802.11ax-HE20 MCS0	1	5955	5.00	5.00	8.00	5.00
		57	6235	5.00	5.00	8.00	5.00
		113	6515	5.00	5.00	8.00	5.00
		173	6815	4.50	4.50	7.50	4.50
		233	7115	6.00	6.00	9.00	6.00
	802.11ax-HE40 MCS0	3	5965	7.50	7.50	10.50	7.50
		59	6245	7.50	7.50	10.50	7.50
		107	6485	7.50	7.50	10.50	7.50
		171	6805	8.00	8.00	11.00	8.00
		227	7085	9.00	9.00	12.00	9.00
	802.11ax-HE80 MCS0	7	5985	10.50	10.50	13.50	10.50
		71	6305	10.50	10.50	13.50	10.50
		119	6545	10.50	10.50	13.50	10.50
		167	6785	10.50	10.50	13.50	10.50
		215	7025	10.50	10.50	13.50	10.50
	802.11ax-HE160 MCS0	15	6025	10.00	10.00	13.00	10.00
		47	6185	10.00	10.00	13.00	10.00
		111	6505	10.00	10.00	13.00	10.00
		143	6665	10.00	10.00	13.00	10.00
		207	6985	10.00	10.00	13.00	10.00
	802.11be-EHT20 MCS0	1	5955	5.00	5.00	8.00	5.00
		57	6235	5.00	5.00	8.00	5.00
		113	6515	5.00	5.00	8.00	5.00
		173	6815	4.50	4.50	7.50	4.50
		233	7115	6.00	6.00	9.00	6.00
	802.11be-EHT40 MCS0	3	5965	7.50	7.50	10.50	7.50
		59	6245	7.50	7.50	10.50	7.50
		107	6485	7.50	7.50	10.50	7.50
		171	6805	8.00	8.00	11.00	8.00
		227	7085	9.00	9.00	12.00	9.00
	802.11be-EHT80 MCS0	7	5985	10.50	10.50	13.50	10.50
		71	6305	10.50	10.50	13.50	10.50
		119	6545	10.50	10.50	13.50	10.50
		167	6785	10.50	10.50	13.50	10.50
		215	7025	10.50	10.50	13.50	10.50
	802.11be-EHT160 MCS0	15	6025	10.00	10.00	13.00	10.00
		47	6185	10.00	10.00	13.00	10.00
		111	6505	10.00	10.00	13.00	10.00
		143	6665	10.00	10.00	13.00	10.00
		207	6985	10.00	10.00	13.00	10.00
	802.11be-EHT320 MCS0	31	6105	10.50	10.50	13.50	10.50
		63	6265	10.50	10.50	13.50	10.50
		95	6425	10.50	10.50	13.50	10.50
		127	6585	10.50	10.50	13.50	10.50
		159	6745	10.50	10.50	13.50	10.50
		191	6905	10.50	10.50	13.50	10.50

DSI 1

				non BF			BF
				Ant 6	Ant 7	Ant 6+7	Ant 6+7
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	20.50	20.50	23.50	
		6	2437	20.50	20.50	23.50	
		11	2462	20.50	20.50	23.50	
	802.11g 6Mbps	1	2412	17.50	17.50	20.50	
		6	2437	20.50	20.50	23.50	
		11	2462	17.50	17.50	20.50	
	802.11n-HT20 MCS0	1	2412	16.00	14.00	18.10	
		6	2437	20.50	20.50	23.50	
		11	2462	19.00	19.00	22.00	
	802.11ac-VHT20 MCS0	1	2412	16.00	14.00	18.10	
		6	2437	20.50	20.50	23.50	
		11	2462	19.00	19.00	22.00	
	802.11ax-HE20 MCS0	1	2412	16.00	14.00	18.10	16.00
		6	2437	20.50	20.50	23.50	20.50
		11	2462	19.00	19.00	22.00	19.00
	802.11be-EHT20 MCS0	1	2412	16.00	14.00	18.10	16.00
		6	2437	20.50	20.50	23.50	20.50
		11	2462	19.00	19.00	22.00	19.00

				non BF			BF
				Ant 6	Ant 7	Ant 6+7	Ant 6+7
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
	802.11a 6Mbps	36	5180	14.70	14.70	17.70	
		40	5200	14.70	14.70	17.70	
		44	5220	14.70	14.70	17.70	
		48	5240	14.70	14.70	17.70	
	802.11n-HT20 MCS0	36	5180	14.70	14.70	17.70	
		40	5200	14.70	14.70	17.70	
		44	5220	14.70	14.70	17.70	
		48	5240	14.70	14.70	17.70	
	802.11n-HT40 MCS0	38	5190	14.70	14.70	17.70	
		46	5230	14.70	14.70	17.70	
	802.11ac-VHT20 MCS0	36	5180	14.70	14.70	17.70	
		40	5200	14.70	14.70	17.70	
		44	5220	14.70	14.70	17.70	
		48	5240	14.70	14.70	17.70	
	802.11ac-VHT40 MCS0	38	5190	14.70	14.70	17.70	
		46	5230	14.70	14.70	17.70	
	802.11ac-VHT80 MCS0	42	5210	14.70	14.70	17.70	
	802.11ax-HE20 MCS0	36	5180	14.70	14.70	17.70	14.70
		40	5200	14.70	14.70	17.70	14.70
		44	5220	14.70	14.70	17.70	14.70
		48	5240	14.70	14.70	17.70	14.70
	802.11ax-HE40 MCS0	38	5190	14.70	14.70	17.70	14.70
		46	5230	14.70	14.70	17.70	14.70
	802.11ax-HE80 MCS0	42	5210	14.70	14.70	17.70	14.70
	802.11be-EHT20 MCS0	36	5180	14.70	14.70	17.70	14.70
		40	5200	14.70	14.70	17.70	14.70
		44	5220	14.70	14.70	17.70	14.70
		48	5240	14.70	14.70	17.70	14.70
	802.11be-EHT40 MCS0	38	5190	14.70	14.70	17.70	14.70
		46	5230	14.70	14.70	17.70	14.70
	802.11be-EHT40 MCS0	42	5210	14.70	14.70	17.70	14.70



				non BF			BF
				Ant 6	Ant 7	Ant 6+7	Ant 6+7
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
	802.11a 6Mbps	52	5260	14.70	14.70	17.70	
		56	5280	14.70	14.70	17.70	
		60	5300	14.70	14.70	17.70	
		64	5320	14.70	14.70	17.70	
	802.11n-HT20 MCS0	52	5260	14.70	14.70	17.70	
		56	5280	14.70	14.70	17.70	
		60	5300	14.70	14.70	17.70	
		64	5320	14.70	14.70	17.70	
	802.11n-HT40 MCS0	54	5270	14.70	14.70	17.70	
		62	5310	14.70	14.70	17.70	
	802.11ac-VHT20 MCS0	52	5260	14.70	14.70	17.70	
		56	5280	14.70	14.70	17.70	
		60	5300	14.70	14.70	17.70	
		64	5320	14.70	14.70	17.70	
	802.11ac-VHT40 MCS0	54	5270	14.70	14.70	17.70	
		62	5310	14.70	14.70	17.70	
	802.11ac-VHT80 MCS0	58	5290	14.70	14.70	17.70	
	802.11ac-VHT160 MCS0	50	5250	14.70	14.70	17.70	
	802.11ax-HE20 MCS0	52	5260	14.70	14.70	17.70	14.70
		56	5280	14.70	14.70	17.70	14.70
		60	5300	14.70	14.70	17.70	14.70
		64	5320	14.70	14.70	17.70	14.70
	802.11ax-HE40 MCS0	54	5270	14.70	14.70	17.70	14.70
		62	5310	14.70	14.70	17.70	14.70
	802.11ax-HE80 MCS0	58	5290	14.70	14.70	17.70	14.70
	802.11ax-HE160 MCS0	50	5250	14.70	14.70	17.70	14.70
	802.11be-EHT20 MCS0	52	5260	14.70	14.70	17.70	14.70
		56	5280	14.70	14.70	17.70	14.70
		60	5300	14.70	14.70	17.70	14.70
		64	5320	14.70	14.70	17.70	14.70
	802.11be-EHT40 MCS0	54	5270	14.70	14.70	17.70	14.70
		62	5310	14.70	14.70	17.70	14.70
	802.11be-EHT80 MCS0	58	5290	14.70	14.70	17.70	14.70
	802.11be-EHT160 MCS0	50	5250	14.70	14.70	17.70	14.70



				non BF		BF
	Mode	Channel	Frequency (MHz)	Ant 6	Ant 7	Ant 6+7
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	14.70	14.70	17.70
		116	5580	14.70	14.70	17.70
		124	5620	14.70	14.70	17.70
		132	5660	14.70	14.70	17.70
		144	5720	14.70	14.70	17.70
	802.11n-HT20 MCS0	100	5500	14.70	14.70	17.70
		116	5580	14.70	14.70	17.70
		124	5620	14.70	14.70	17.70
		132	5660	14.70	14.70	17.70
		144	5720	14.70	14.70	17.70
	802.11n-HT40 MCS0	102	5510	14.70	14.70	17.70
		110	5550	14.70	14.70	17.70
		126	5630	14.70	14.70	17.70
		134	5670	14.70	14.70	17.70
		142	5710	14.70	14.70	17.70
	802.11ac-VHT20 MCS0	100	5500	14.70	14.70	17.70
		116	5580	14.70	14.70	17.70
		124	5620	14.70	14.70	17.70
		132	5660	14.70	14.70	17.70
		144	5720	14.70	14.70	17.70
	802.11ac-VHT40 MCS0	102	5510	14.70	14.70	17.70
		110	5550	14.70	14.70	17.70
		126	5630	14.70	14.70	17.70
		134	5670	14.70	14.70	17.70
		142	5710	14.70	14.70	17.70
	802.11ac-VHT80 MCS0	106	5530	14.70	14.70	17.70
		122	5610	14.70	14.70	17.70
		138	5690	14.70	14.70	17.70
	802.11ac-VHT160 MCS0	114	5570	14.70	14.70	17.70
	802.11ax-HE20 MCS0	100	5500	14.70	14.70	17.70
		116	5580	14.70	14.70	17.70
		124	5620	14.70	14.70	17.70
		132	5660	14.70	14.70	17.70
		144	5720	14.70	14.70	17.70
	802.11ax-HE40 MCS0	102	5510	14.70	14.70	17.70
		110	5550	14.70	14.70	17.70
		126	5630	14.70	14.70	17.70
		134	5670	14.70	14.70	17.70
		142	5710	14.70	14.70	17.70
	802.11ax-HE80 MCS0	106	5530	14.70	14.70	17.70
		122	5610	14.70	14.70	17.70
		138	5690	14.70	14.70	17.70
	802.11ax-HE160 MCS0	114	5570	14.70	14.70	17.70
	802.11be-EHT20 MCS0	100	5500	14.70	14.70	17.70
		116	5580	14.70	14.70	17.70
		124	5620	14.70	14.70	17.70
		132	5660	14.70	14.70	17.70
		144	5720	14.70	14.70	17.70
	802.11be-EHT40 MCS0	102	5510	14.70	14.70	17.70
		110	5550	14.70	14.70	17.70
		126	5630	14.70	14.70	17.70
		134	5670	14.70	14.70	17.70
		142	5710	14.70	14.70	17.70
	802.11be-EHT80 MCS0	106	5530	14.70	14.70	17.70
		122	5610	14.70	14.70	17.70
		138	5690	14.70	14.70	17.70
	802.11be-EHT160 MCS0	114	5570	14.70	14.70	17.70

				non BF			BF
				Ant 6	Ant 7	Ant 6+7	Ant 6+7
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
	802.11a 6Mbps	149	5745	14.70	14.70	17.70	
		157	5785	14.70	14.70	17.70	
		165	5825	14.70	14.70	17.70	
	802.11n-HT20 MCS0	149	5745	14.70	14.70	17.70	
		157	5785	14.70	14.70	17.70	
		165	5825	14.70	14.70	17.70	
	802.11n-HT40 MCS0	151	5755	14.70	14.70	17.70	
		159	5795	14.70	14.70	17.70	
	802.11ac-VHT20 MCS0	149	5745	14.70	14.70	17.70	
		157	5785	14.70	14.70	17.70	
		165	5825	14.70	14.70	17.70	
	802.11ac-VHT40 MCS0	151	5755	14.70	14.70	17.70	
		159	5795	14.70	14.70	17.70	
	802.11ac-VHT80 MCS0	155	5775	14.70	14.70	17.70	
	802.11ax-HE20 MCS0	149	5745	14.70	14.70	17.70	14.70
		157	5785	14.70	14.70	17.70	14.70
		165	5825	14.70	14.70	17.70	14.70
	802.11ax-HE40 MCS0	151	5755	14.70	14.70	17.70	14.70
		159	5795	14.70	14.70	17.70	14.70
	802.11ax-HE80 MCS0	155	5775	14.70	14.70	17.70	14.70
	802.11be-EHT20 MCS0	149	5745	14.70	14.70	17.70	14.70
		157	5785	14.70	14.70	17.70	14.70
		165	5825	14.70	14.70	17.70	14.70
	802.11be-EHT40 MCS0	151	5755	14.70	14.70	17.70	14.70
		159	5795	14.70	14.70	17.70	14.70
	802.11be-EHT80 MCS0	155	5775	14.70	14.70	17.70	14.70



				non BF			BF
WiFi 6E (SP)	Mode	Channel	Frequency (MHz)	Ant 6 Tune-Up Limit	Ant 7 Tune-Up Limit	Ant 6+7 Tune-Up Limit	Ant 6+7 Tune-Up Limit
	802.11a 6Mbps	1	5955	13.10	13.10	16.10	
		57	6235	13.10	13.10	16.10	
		173	6815	13.10	13.10	16.10	
	802.11ax-HE20 MCS0	1	5955	13.10	13.10	16.10	13.10
		57	6235	13.10	13.10	16.10	13.10
		173	6815	13.10	13.10	16.10	13.10
	802.11ax-HE40 MCS0	3	5965	13.10	13.10	16.10	13.10
		59	6245	13.10	13.10	16.10	13.10
		171	6805	13.10	13.10	16.10	13.10
	802.11ax-HE80 MCS0	7	5985	13.10	13.10	16.10	13.10
		71	6305	13.10	13.10	16.10	13.10
		167	6785	13.10	13.10	16.10	13.10
	802.11ax-HE160 MCS0	15	6025	13.10	13.10	16.10	13.10
		47	6185	13.10	13.10	16.10	13.10
		143	6665	13.10	13.10	16.10	13.10
	802.11be-EHT20 MCS0	1	5955	13.10	13.10	16.10	13.10
		57	6235	13.10	13.10	16.10	13.10
		173	6815	13.10	13.10	16.10	13.10
	802.11be-EHT40 MCS0	3	5965	13.10	13.10	16.10	13.10
		59	6245	13.10	13.10	16.10	13.10
		171	6805	13.10	13.10	16.10	13.10
	802.11be-EHT80 MCS0	7	5985	13.10	13.10	16.10	13.10
		71	6305	13.10	13.10	16.10	13.10
		167	6785	13.10	13.10	16.10	13.10
	802.11be-EHT160 MCS0	15	6025	13.10	13.10	16.10	13.10
		47	6185	13.10	13.10	16.10	13.10
		143	6665	13.10	13.10	16.10	13.10
	802.11be-EHT320 MCS0	31	6105	13.10	13.10	16.10	13.10
		63	6265	13.10	13.10	16.10	13.10



				non BF			BF
				Ant 6	Ant 7	Ant 6+7	Ant 6+7
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
WiFi 6E (LPI)	Mode	Channel	Frequency (MHz)				
	802.11a 6Mbps	1	5955	5.50	5.50	8.50	
		57	6235	5.50	5.50	8.50	
		113	6515	5.50	5.50	8.50	
		173	6815	5.50	5.50	8.50	
		233	7115	6.50	6.50	9.50	
	802.11ax-HE20 MCS0	1	5955	9.00	9.00	12.00	9.00
		57	6235	9.00	9.00	12.00	9.00
		113	6515	9.00	9.00	12.00	9.00
		173	6815	9.00	9.00	12.00	9.00
		233	7115	10.00	10.00	13.00	10.00
	802.11ax-HE40 MCS0	3	5965	12.00	12.00	15.00	12.00
		59	6245	12.00	12.00	15.00	12.00
		107	6485	12.00	12.00	15.00	12.00
		171	6805	12.00	12.00	15.00	12.00
		227	7085	13.00	13.00	16.00	13.00
	802.11ax-HE80 MCS0	7	5985	13.10	13.10	16.10	13.10
		71	6305	13.10	13.10	16.10	13.10
		119	6545	13.10	13.10	16.10	13.10
		167	6785	13.10	13.10	16.10	13.10
		215	7025	13.10	13.10	16.10	13.10
	802.11ax-HE160 MCS0	15	6025	13.10	13.10	16.10	13.10
		47	6185	13.10	13.10	16.10	13.10
		111	6505	13.10	13.10	16.10	13.10
		143	6665	13.10	13.10	16.10	13.10
		207	6985	13.10	13.10	16.10	13.10
	802.11be-EHT20 MCS0	1	5955	9.00	9.00	12.00	9.00
		57	6235	9.00	9.00	12.00	9.00
		113	6515	9.00	9.00	12.00	9.00
		173	6815	9.00	9.00	12.00	9.00
		233	7115	10.00	10.00	13.00	10.00
	802.11be-EHT40 MCS0	3	5965	12.00	12.00	15.00	12.00
		59	6245	12.00	12.00	15.00	12.00
		107	6485	12.00	12.00	15.00	12.00
		171	6805	12.00	12.00	15.00	12.00
		227	7085	13.00	13.00	16.00	13.00
	802.11be-EHT80 MCS0	7	5985	13.10	13.10	16.10	13.10
		71	6305	13.10	13.10	16.10	13.10
		119	6545	13.10	13.10	16.10	13.10
		167	6785	13.10	13.10	16.10	13.10
		215	7025	13.10	13.10	16.10	13.10
	802.11be-EHT160 MCS0	15	6025	13.10	13.10	16.10	13.10
		47	6185	13.10	13.10	16.10	13.10
		111	6505	13.10	13.10	16.10	13.10
		143	6665	13.10	13.10	16.10	13.10
		207	6985	13.10	13.10	16.10	13.10
	802.11be-EHT320 MCS0	31	6105	13.10	13.10	16.10	13.10
		63	6265	13.10	13.10	16.10	13.10
		95	6425	13.10	13.10	16.10	13.10
		127	6585	13.10	13.10	16.10	13.10
		159	6745	13.10	13.10	16.10	13.10
		191	6905	13.10	13.10	16.10	13.10

	Mode	Channel	Frequency (MHz)	non BF			BF
				Ant 6 Tune-Up Limit	Ant 7 Tune-Up Limit	Ant 6+7 Tune-Up Limit	Ant 6+7 Tune-Up Limit
WiFi 6E (VLP)	802.11a 6Mbps	1	5955	1.50	1.50	4.50	
		57	6235	1.50	1.50	4.50	
		113	6515	1.50	1.50	4.50	
		173	6815	1.50	1.50	4.50	
		233	7115	2.00	2.00	5.00	
	802.11ax-HE20 MCS0	1	5955	5.00	5.00	8.00	5.00
		57	6235	5.00	5.00	8.00	5.00
		113	6515	5.00	5.00	8.00	5.00
		173	6815	4.50	4.50	7.50	4.50
		233	7115	6.00	6.00	9.00	6.00
	802.11ax-HE40 MCS0	3	5965	7.50	7.50	10.50	7.50
		59	6245	7.50	7.50	10.50	7.50
		107	6485	7.50	7.50	10.50	7.50
		171	6805	8.00	8.00	11.00	8.00
		227	7085	9.00	9.00	12.00	9.00
	802.11ax-HE80 MCS0	7	5985	10.50	10.50	13.50	10.50
		71	6305	10.50	10.50	13.50	10.50
		119	6545	10.50	10.50	13.50	10.50
		167	6785	10.50	10.50	13.50	10.50
		215	7025	10.50	10.50	13.50	10.50
	802.11ax-HE160 MCS0	15	6025	10.00	10.00	13.00	10.00
		47	6185	10.00	10.00	13.00	10.00
		111	6505	10.00	10.00	13.00	10.00
		143	6665	10.00	10.00	13.00	10.00
		207	6985	10.00	10.00	13.00	10.00
	802.11be-EHT20 MCS0	1	5955	5.00	5.00	8.00	5.00
		57	6235	5.00	5.00	8.00	5.00
		113	6515	5.00	5.00	8.00	5.00
		173	6815	4.50	4.50	7.50	4.50
		233	7115	6.00	6.00	9.00	6.00
	802.11be-EHT40 MCS0	3	5965	7.50	7.50	10.50	7.50
		59	6245	7.50	7.50	10.50	7.50
		107	6485	7.50	7.50	10.50	7.50
		171	6805	8.00	8.00	11.00	8.00
		227	7085	9.00	9.00	12.00	9.00
	802.11be-EHT80 MCS0	7	5985	10.50	10.50	13.50	10.50
		71	6305	10.50	10.50	13.50	10.50
		119	6545	10.50	10.50	13.50	10.50
		167	6785	10.50	10.50	13.50	10.50
		215	7025	10.50	10.50	13.50	10.50
	802.11be-EHT160 MCS0	15	6025	10.00	10.00	13.00	10.00
		47	6185	10.00	10.00	13.00	10.00
		111	6505	10.00	10.00	13.00	10.00
		143	6665	10.00	10.00	13.00	10.00
		207	6985	10.00	10.00	13.00	10.00
	802.11be-EHT320 MCS0	31	6105	10.50	10.50	13.50	10.50
		63	6265	10.50	10.50	13.50	10.50
		95	6425	10.50	10.50	13.50	10.50
		127	6585	10.50	10.50	13.50	10.50
		159	6745	10.50	10.50	13.50	10.50
		191	6905	10.50	10.50	13.50	10.50

**< 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.

Bluetooth DSI 0&1&2&3

	Mode	Channel	Frequency (MHz)	Ant 6	Ant 7
				Tune-Up Limit	Tune-Up Limit
Bluetooth Class 1	BR / EDR 1Mbps	0	2402	7.00	7.00
		39	2441	7.00	7.00
		78	2480	7.00	7.00
	BR / EDR 2Mbps	0	2402	4.00	4.00
		39	2441	4.00	4.00
		78	2480	4.00	4.00
	BR / EDR 3Mbps	0	2402	4.00	4.00
		39	2441	4.00	4.00
		78	2480	4.00	4.00
	LE 1Mbps	0	2402	7.00	7.00
		19	2440	7.00	7.00
		39	2480	7.00	7.00
	LE 2Mbps	0	2402	7.00	7.00
		19	2440	7.00	7.00
		39	2480	7.00	7.00
	BT6.0 GFSK 1Mbps	2	2404	6.50	6.50
		38	2440	6.50	6.50
		76	2478	6.50	6.50
	BT6.0 GFSK 2Mbps	2	2404	6.50	6.50
		38	2440	6.50	6.50
		76	2478	6.50	6.50
	BT6.0 ASK 1Mbps	2	2404	6.50	6.50
		38	2440	6.50	6.50
		76	2478	6.50	6.50

				Ant 6	Ant 7
Bluetooth Class 2	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit
	BR / EDR 1Mbps	0	2402	4.00	4.00
		39	2441	4.00	4.00
		78	2480	4.00	4.00
	BR / EDR 2Mbps	0	2402	1.00	1.00
		39	2441	1.00	1.00
		78	2480	1.00	1.00
	BR / EDR 3Mbps	0	2402	1.00	1.00
		39	2441	1.00	1.00
		78	2480	1.00	1.00
	LE 1Mbps	0	2402	4.00	4.00
		19	2440	4.00	4.00
		39	2480	4.00	4.00
	LE 2Mbps	0	2402	4.00	4.00
		19	2440	4.00	4.00
		39	2480	4.00	4.00
	BT6.0 GFSK 1Mbps	2	2404	4.00	4.00
		38	2440	4.00	4.00
		76	2478	4.00	4.00
	BT6.0 GFSK 2Mbps	2	2404	4.00	4.00
		38	2440	4.00	4.00
		76	2478	4.00	4.00
	BT6.0 ASK 1Mbps	2	2404	4.00	4.00
		38	2440	4.00	4.00
		76	2478	4.00	4.00

2.3 General LTE SAR Test and Reporting Considerations

Summarized necessary items addressed in KDB 941225 D05 v02r05																																																																										
FCC ID		UZ7TCW01G																																																																								
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 14: 788 MHz ~ 798 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 30: 2305 MHz ~ 2315 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 48: 3550 MHz ~ 3700 MHz LTE Band 53: 2483.5 MHz ~ 2495 MHz LTE Band 66: 1710 MHz ~ 1780 MHz LTE Band 70: 1695 MHz ~ 1710 MHz LTE Band 71: 663 MHz ~ 698 MHz LTE Band 106: 896 MHz ~ 901 MHz																																																																								
Channel Bandwidth		LTE Band 2:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 4:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 5:1.4MHz, 3MHz, 5MHz, 10MHz LTE Band 7: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 12:1.4MHz, 3MHz, 5MHz, 10MHz LTE Band 13: 5MHz, 10MHz LTE Band 14: 5MHz, 10MHz LTE Band 17: 5MHz, 10MHz LTE Band 25:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 26:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz LTE Band 30: 5MHz, 10MHz LTE Band 38: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 41: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 48: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 66: 1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 70: 5MHz, 10MHz, 15MHz LTE Band 71: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 106: 1.4MHz, 3MHz																																																																								
uplink modulations used		QPSK / 16QAM / 64QAM / 256QAM																																																																								
LTE Voice / Data requirements		Data only																																																																								
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 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									
	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								
M	20525	836.5	20525	836.5	20525	836.5	20525	836.5								
H	20643	848.3	20635	847.5	20625	846.5	20600	844								
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)	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 12																
	Bandwidth 1.4MHz		Bandwidth 3MHz		Bandwidth 5MHz		Bandwidth 10MHz									
	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								
M	23095	707.5	23095	707.5	23095	707.5	23095	707.5								
H	23173	715.3	23165	714.5	23115	713.5	23130	711								
LTE Band 13																
	Bandwidth 5MHz				Bandwidth 10MHz											
	Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)									
L	23205		779.5		23230		782									
M	23230		782													
H	23255		784.5													
LTE Band 14																
	Bandwidth 5MHz				Bandwidth 10MHz											
	Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)									
L	23305		790.5		23330		793									
M	23330		793													
H	23355		795.5													
LTE Band 17																
	Bandwidth 5MHz				Bandwidth 10MHz											
	Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)									
L	23755		706.5		23780		709									
M	23790		710		23790		710									
H	23825		713.5		23800		711									
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)	Ch. #	Freq. (MHz)				
L	26697	814.7	26705	815.5	26715	816.5	26740	819	26765	821.5						
M	26865	831.5	26865	831.5	26865	831.5	26865	831.5	26865	831.5						
H	27033	848.3	27025	847.5	27015	846.5	26990	844	26965	841.5						

LTE Band 30								
	Bandwidth 5MHz				Bandwidth 10MHz			
	Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)	
L	27685		2307.5		27710		2310	
M	27710		2310					
H	27735		2312.5					

LTE Band 38								
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz	
	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)
L	39675	2498.5	39700	2501	39725	2503.5	39750	2506
LM	40148	2545.8	40160	2547	40173	2548.3	40185	2549.5
M	40620	2593	40620	2593	40620	2593	40620	2593
HM	41093	2640.3	41080	2639	41068	2637.8	41055	2636.5
H	41565	2687.5	41540	2685	41515	2682.5	41490	2680

LTE Band 48								
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	55265	3552.5	55290	3555	55315	3557.5	55340	3560
LM	55810	3607	55815	3607.5	55820	3608	55830	3609
M	55990	3625	55990	3625	55990	3625	55990	3625
HM	56170	3643	56165	3642.5	56160	3642	56150	3641
H	56715	3697.5	56690	3695	56665	3692.5	56640	3690

LTE Band 66												
	Bandwidth 1.4MHz		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 70							
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #		Freq. (MHz)
L	132997	1697.5	133022	1700	133047		1702.5
M	133047	1702.5	133047	1702.5			
H	133097	1707.5	133072	1705			

LTE Band 71							
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	
L	133147	665.5	133172	668	133197	670.5	133222
M	133297	680.5	133297	680.5	133297	680.5	133297
H	133447	695.5	133422	693	133397	690.5	133372

LTE Band 106					
	Bandwidth 1.4MHz			Bandwidth 3MHz	
	Ch. #	Freq. (MHz)		Ch. #	Freq. (MHz)
L	134314	898.2		134322	899
M	134322	899			
H	134330	899.8			

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

5G NR Information	
FCC ID	UZ7TCW01G
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 n13: 777 MHz ~ 787 MHz 5G NR n14: 788 MHz ~ 798 MHz 5G NR n25: 1850 MHz ~ 1915 MHz 5G NR n26: 814 MHz ~ 849 MHz 5G NR n30: 2305 MHz ~ 2315 MHz 5G NR n38: 2570 MHz ~ 2620 MHz 5G NR n41: 2496 MHz ~ 2690 MHz 5G NR n48: 3550 MHz ~ 3700 MHz 5G NR n66: 1710 MHz ~ 1780 MHz 5G NR n70: 1695 MHz ~ 1710 MHz 5G NR n71: 663 MHz ~ 698 MHz 5G NR n77: 3700 MHz ~ 3980 MHz, 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, 50MHz 5G NR n12: 5MHz, 10MHz, 15MHz 5G NR n13: 5MHz, 10MHz 5G NR n14: 5MHz, 10MHz 5G NR n25: 5MHz, 10MHz, 15MHz, 20MHz, 25 MHz, 30MHz, 40MHz 5G NR n26: 5MHz, 10MHz, 15MHz, 20MHz 5G NR n30: 5MHz, 10MHz 5G NR n38: 10MHz, 15MHz, 20MHz, 30MHz, 40MHz 5G NR n41: 10MHz, 15MHz, 20MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz 5G NR n48: 10MHz, 20MHz, 30MHz, 40MHz 5G NR n66: 5MHz, 10MHz, 15MHz, 20MHz, 25 MHz, 30MHz, 40MHz 5G NR n70: 5MHz, 10MHz, 15MHz 5G NR n71: 5MHz, 10MHz, 15MHz, 20MHz 5G NR n77/n78: 10MHz, 15MHz, 20MHz, 25 MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz
SCS	FDD: SCS15KHz, TDD: SCS30KHz
uplink modulations used	DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM CP-OFDM QPSK / 16QAM / 64QAM / 256QAM
A-MPR (Additional MPR) disabled for SAR Testing?	Yes
LTE Anchor Bands for n2	LTE B4/5/7/12/13/14/30/48/66/71
LTE Anchor Bands for n5	LTE B2/7/12/14/30/48/66/71
LTE Anchor Bands for n7	LTE B2/4/5/7/12/13/66
LTE Anchor Bands for n12	LTE B2/5/7/30/48/66/71
LTE Anchor Bands for n14	LTE B2/30/66
LTE Anchor Bands for n25	LTE B5/7/12/13/26/66/71
LTE Anchor Bands for n26	LTE B7
LTE Anchor Bands for n30	LTE B2/5/12/14/66
LTE Anchor Bands for n38	LTE B2/4/5/12/66/71
LTE Anchor Bands for n41	LTE B2/4/5/12/25/26/66/71
LTE Anchor Bands for n66	LTE B2/5/7/12/13/14/30/48/71
LTE Anchor Bands for n71	LTE B2/5/7/12/13/48/66
LTE Anchor Bands for n77	LTE B2/5/7/12/13/14/25/30/41/66/71
LTE Anchor Bands for n78	LTE B2/4/5/7/12/13/25/26/38/41/66/71

Transmission (H, M, L) channel numbers and frequencies in each FR1 band																		
FR1 n2																		
	Bandwidth 5MHz				Bandwidth 10MHz				Bandwidth 15MHz				Bandwidth 20MHz					
	Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)			
L	370500		1852.5		371000		1855		371500		1857.5		372000		1860			
M	376000		1880		376000		1880		376000		1880		376000		1880			
H	381500		1907.5		381000		1905		380500		1902.5		380000		1900			
FR1 n5																		
	Bandwidth 5MHz				Bandwidth 10MHz				Bandwidth 15MHz				Bandwidth 20MHz					
	Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)			
L	165300		826.5		165800		829		166300		831.5		166800		834			
M	167300		836.5		167300		836.5		167300		836.5		167300		836.5			
H	169300		846.5		168800		844		168300		841.5		167800		839			
FR1 n7																		
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz			
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)		
L	500500	2502.5	501000	2505	501500	2507.5	502000	2510	502500	2512.5	503000	2515	504000	2520	505000	2525		
M	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535		
H	513500	2567.5	513000	2565	512500	2562.5	512000	2560	511500	2557.5	511000	2555	510000	2550	509000	2545		
FR1 n12																		
	Bandwidth 5MHz				Bandwidth 10MHz				Bandwidth 15MHz				Bandwidth 20MHz					
	Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)			
L	140300		701.5		140800		704		141300		706.5		141800		709.5			
M	141500		707.5		141500		707.5		141500		707.5		141500		707.5			
H	142700		713.5		142200		711		141700		708.5		141200		705.5			
FR1 n13																		
	Bandwidth 5MHz				Bandwidth 10MHz				Bandwidth 15MHz				Bandwidth 20MHz					
	Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)			
L	155900		779.5		156400		782		156900		784.5		157400		787.5			
M	156400		782		156900		784.5		157400		787.5		157900		790.5			
H	156900		784.5		157400		787.5		157900		790.5		158400		793.5			
FR1 n14																		
	Bandwidth 5MHz				Bandwidth 10MHz				Bandwidth 15MHz				Bandwidth 20MHz					
	Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)			
L	158100		790.5		158600		793		159100		795.5		159600		798.5			
M	158600		793		159100		795.5		159600		798.5		160100		801.5			
H	159100		795.5		159600		798.5		160100		801.5		160600		804.5			
FR1 n25																		
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz			
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)		
L	370500	1852.5	371000	1855	371500	1857.5	372000	1860	372500	1862.5	373000	1865	374000	1870	375000	1875		
M	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5		
H	382500	1912.5	382000	1910	381500	1907.5	381000	1905	380500	1902.5	380000	1900	379000	1895	378000	1890		
FR1 n26																		
	Bandwidth 5MHz				Bandwidth 10MHz				Bandwidth 15MHz				Bandwidth 20MHz					
	Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)			
L	163300		816.5		163800		819		164300		821.5		164800		824			
M	166300		831.5		166300		831.5		166300		831.5		166300		831.5			
H	169300		846.5		168800		844		168300		841.5		167800		839			
FR1 n30																		
	Bandwidth 5MHz				Bandwidth 10MHz				Bandwidth 15MHz				Bandwidth 20MHz					
	Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)			
L	461500		2307.5		462000		2310		462500		2312.5		463000		2315			
M	462000		2310		462500		2312.5		463000		2315		463500		2317.5			
H	462500		2312.5		463000		2315		463500		2317.5		464000		2320			
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)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)		
L	515000	2575	515500	2577.5	516000	2580	517000	2585	518000	2590	519000	2595	520000	2600	521000	2605		
M	519000	2595	519000	2595	519000	2595	519000	2595	519000	2595	519000	2595	519000	2595	519000	2595		
H	523000	2615	522500	2612.5	522000	2610	521000	2605	520000	2600	519000	2595	518000	2590	517000	2585		
FR1 n41																		
	Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz	
	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
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
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

FR1 n48																								
Bandwidth 10MHz				Bandwidth 20MHz				Bandwidth 30MHz				Bandwidth 40MHz												
Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)										
L	637000		3555		637334		3560.01		637668		3565.02		638000		3570									
M	641666		3624.99		641666		3624.99		641666		3624.99		641666		3624.99									
H	646332		3694.98		646000		3690		645666		3684.99		645332		3679.98									
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)				
L	342500		1712.5	343000		1715	343500		1717.5	344000		1720	344500		1722.5	345000		1725	346000		1730			
M	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	352000		1760			
FR1 n70																								
Bandwidth 5MHz				Bandwidth 10MHz				Bandwidth 15MHz																
Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)										
L	339500		1697.5		340000		1700				340500		1702.5											
M	340500		1702.5		340500		1702.5																	
H	341500		1707.5		341000		1705																	
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 n77 (270)																								
Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		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)	Ch. #	Freq. (MHz)	
L	630334	3455.01	630500	3457.5	630668	3460.02	630834	3462.51	631000	3465	631334	3470.01	631668	3475.02	632000	3480	632334	3485.01	632668	3490.02	633000	3495	633332	3499.98
M	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98
H	636332	3544.98	636166	3542.49	636000	3540	635832	3537.48	635666	3534.99	635332	3529.98	635000	3525	634666	3519.99	634332	3514.98	634000	3510	633666	3504.99		
FR1 n77/n78 (96)																								
Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		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)	Ch. #	Freq. (MHz)	
L	637000	3555	637168	3557.52	637334	3560.01	637500	3562.5	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	641666	3624.99
H	646332	3694.98	646166	3692.49	646000	3690	645832	3687.48	645666	3684.99	645332	3679.98	645000	3675	644666	3669.99	644332	3664.98	644000	3660	643666	3654.99	643332	3649.98
FR1 n77 (270)																								
Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		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)	Ch. #	Freq. (MHz)	
L	647000	3705	647168	3707.52	647334	3710.01	647500	3712.5	647668	3715.02	648000	3720	648334	3725.01	648668	3730.02	649000	3735	649334	3740.01	649668	3745.02	650000	3750
M	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840
H	665000	3975	664832	3972.48	664666	3969.99	664500	3967.5	664332	3964.98	664000	3960	663666	3954.99	663332	3949.98	663000	3945	662666	3939.99	662332	3934.98	662000	3930
FR1 n78 (270)																								
Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		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)	Ch. #	Freq. (MHz)	
L	630334	3455.01	630500	3457.5	630668	3460.02	630834	3462.51	631000	3465	631334	3470.01	631668	3475.02	632000	3480	632334	3485.01	632668	3490.02	633000	3495		
M	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98
H	636332	3544.98	636166	3542.49	636000	3540	635832	3537.48	635666	3534.99	635332	3529.98	635000	3525	634666	3519.99	634332	3514.98	634000	3510	633666	3504.99		
FR1 n78 (270)																								
Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		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)	Ch. #	Freq. (MHz)	
L	647000	3705	647168	3707.52	647334	3710.01	647500	3712.5	647668	3715.02	648000	3720	648334	3725.01	648668	3730.02	649000	3735	649334	3740.01	649668	3745.02		
M	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750
H	653000	3795	652832	3792.48	652666	3789.99	652500	3787.5	652332	3784.98	652000	3780	651666	3774.99	651332	3769.98	651000	3765	650666	3759.99	650332	3754.98		

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/WLAN/BT 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	Body Worn	Hotspot	Extremity	Sensor Off	Power tolerance
		(DSI2)	(DSI1)	(DSI3)	(DSI1)	(DSI0)	(dBm)
GSM850 GPRS 1TX	8	0.95	0.95	0.95	2.54	0.95	1.00
GSM850 GPRS 2TX	8	0.95	0.95	0.95	2.54	0.95	1.00
GSM850 GPRS 3TX	8	0.95	0.95	0.95	2.54	0.95	1.00
GSM850 GPRS 4TX	8	0.95	0.95	0.95	2.54	0.95	1.00
GSM850 EDGE 1TX	8	0.95	0.95	0.95	2.54	0.95	1.00
GSM850 EDGE 2TX	8	0.95	0.95	0.95	2.54	0.95	1.00
GSM850 EDGE 3TX	8	0.95	0.95	0.95	2.54	0.95	1.00
GSM850 EDGE 4TX	8	0.95	0.95	0.95	2.54	0.95	1.00
GSM1900 GPRS 1TX	1	0.95	0.95	0.95	2.54	0.95	1.00
GSM1900 GPRS 2TX	1	0.95	0.95	0.95	2.54	0.95	1.00
GSM1900 GPRS 3TX	1	0.95	0.95	0.95	2.54	0.95	1.00
GSM1900 GPRS 4TX	1	0.95	0.95	0.95	2.54	0.95	1.00
GSM1900 EDGE 1TX	1	0.95	0.95	0.95	2.54	0.95	1.00
GSM1900 EDGE 2TX	1	0.95	0.95	0.95	2.54	0.95	1.00
GSM1900 EDGE 3TX	1	0.95	0.95	0.95	2.54	0.95	1.00
GSM1900 EDGE 4TX	1	0.95	0.95	0.95	2.54	0.95	1.00
WCDMA II	1	0.95	0.95	0.95	2.54	0.95	1.00
WCDMA IV	1	0.95	0.95	0.95	2.54	0.95	1.00
WCDMA V	8	0.95	0.95	0.95	2.54	0.95	1.00
LTE B2	1	0.95	0.95	0.95	2.54	0.95	1.00
LTE B2	5	0.95	0.95	0.95	2.54	0.95	1.00
LTE B4	1	0.95	0.95	0.95	2.54	0.95	1.00
LTE B4	5	0.95	0.95	0.95	2.54	0.95	1.00
LTE B5	8	0.95	0.95	0.95	2.54	0.95	1.00
LTE B7	8	0.95	0.95	0.95	2.54	0.95	1.00
LTE B7	5	0.95	0.95	0.95	2.54	0.95	1.00
LTE B12	8	0.95	0.95	0.95	2.54	0.95	1.00

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LTE B13	8	0.95	0.95	0.95	2.54	0.95	1.00
LTE B14	8	0.95	0.95	0.95	2.54	0.95	1.00
LTE B17	8	0.95	0.95	0.95	2.54	0.95	1.00
LTE B25	1	0.95	0.95	0.95	2.54	0.95	1.00
LTE B25	5	0.95	0.95	0.95	2.54	0.95	1.00
LTE B26	8	0.95	0.95	0.95	2.54	0.95	1.00
LTE B30	8	0.95	0.95	0.95	2.54	0.95	1.00
LTE B30	5	0.95	0.95	0.95	2.54	0.95	1.00
LTE B66	1	0.95	0.95	0.95	2.54	0.95	1.00
LTE B66	5	0.95	0.95	0.95	2.54	0.95	1.00
LTE B70	1	0.95	0.95	0.95	2.54	0.95	1.00
LTE B70	5	0.95	0.95	0.95	2.54	0.95	1.00
LTE B71	8	0.95	0.95	0.95	2.54	0.95	1.00
LTE B106	8	0.95	0.95	0.95	2.54	0.95	1.00
LTE B38	8	0.95	0.95	0.95	2.54	0.95	1.00
LTE B38	5	0.95	0.95	0.95	2.54	0.95	1.00
LTE B41 (PC3)	8	0.95	0.95	0.95	2.54	0.95	1.00
LTE B41 (PC3)	5	0.95	0.95	0.95	2.54	0.95	1.00
LTE B41 (PC2)	8	0.95	0.95	0.95	2.54	0.95	1.00
LTE B41 (PC2)	5	0.95	0.95	0.95	2.54	0.95	1.00
LTE B48 (PC3)	8	0.95	0.95	0.95	2.54	0.95	1.00
LTE B48 (PC3)	9	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n2	1	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n2	5	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n5	8	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n7	8	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n7	5	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n12	8	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n13	8	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n14	8	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n25	1	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n25	5	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n26	8	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n30	8	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n30	5	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n66	1	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n66	5	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n70	1	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n70	5	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n71	8	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n38	8	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n38	5	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n41 (PC3)	8	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n41 (PC3)	5	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n41 (PC2)	8	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n41 (PC2)	5	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n41 (PC3)(SRS)	3	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n41 (PC3)(SRS)	4	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n48 (PC3)	8	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n48 (PC3)	9	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n77 (PC3)	8	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n77 (PC3)	9	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n77 (PC2)	8	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n77 (PC2)	9	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n77 (PC3)(SRS)	3	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n77 (PC3)(SRS)	4	0.95	0.95	0.95	2.54	0.95	1.00

FR1 n78 (PC3)	8	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n78 (PC3)	9	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n78 (PC2)	8	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n78 (PC2)	9	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n78 (PC3)(SRS)	3	0.95	0.95	0.95	2.54	0.95	1.00
FR1 n78 (PC3)(SRS)	4	0.95	0.95	0.95	2.54	0.95	1.00

Band	Head	Hotspot	Bodyworn / Extremity	Sensor off	Device Uncertainty (dB)
	DSI 2	DSI 3	DSI 1	DSI 0	
WLAN2.4G	0.850	0.850	0.85 / 2.26	0.850	1.5
WLAN5.2G	0.850	0.850	0.85 / 2.26	0.850	1.5
WLAN5.3G	0.850	0.850	0.85 / 2.26	0.850	1.5
WLAN5.5G	0.850	0.850	0.85 / 2.26	0.850	1.5
WLAN5.8G	0.850	0.850	0.85 / 2.26	0.850	1.5
WLAN6G UNII5	0.850	0.850	0.85 / 2.26	0.850	1.5
WLAN6G UNII6	0.850	0.850	0.85 / 2.26	0.850	1.5
WLAN6G UNII7	0.850	0.850	0.85 / 2.26	0.850	1.5
WLAN6G UNII8	0.850	0.850	0.85 / 2.26	0.850	1.5
Bluetooth	0.850	0.850	0.85 / 2.26	0.850	1.5

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	Head	Body Worn / Extremity	Hotspot	Sensor OFF	P _{max} *
		(DSI:2)	(DSI1)	(DSI3)	(DSI0)	
GSM850(4 Tx slots)**	8	22.6	23.3	23.3	23.5	23.5
GSM1900(2 Tx slots)**	1	24.8	22.2	22.2	20.5	20.5
WCDMA II	1	23.8	21.3	21.3	24.0	24
WCDMA IV	1	25.5	20.3	20.3	24.0	24
WCDMA V	8	24.5	23	23	24.0	24
LTE B7	8	20	20.6	20.6	24.0	24
LTE B7	5	37.5	17.7	17.7	24.0	24
LTE B12/B17	8	25.9	25.5	25.5	24.0	24
LTE B13	8	24.8	24.2	24.2	23.5	23.5
LTE B14	8	24.9	24.2	24.2	23.5	23.5
LTE B2/B25	1	23.6	21.2	21.2	24.0	24
LTE B2/B25	5	30	22	22	24.0	24
LTE B5/B26	8	25.1	24	24	24.0	24
LTE B30	8	24.2	22.5	22.5	23.5	23.5
LTE B30	5	32.6	19.4	19.4	23.5	23.5
LTE B41/38(PC3)	8	20	20.2	20.2	22.4	22
LTE B41 (PC2)						22.4
LTE B41/38(PC3)	5	34.6	17.8	17.8	22.4	22.0
LTE B41 (PC2)						22.4
LTE B48	8	20.2	16.2	16.2	20.5	20.5
LTE B48	9	18.2	20.4	20.4	20.5	20.5
LTE B4/B66	1	25.5	19.8	19.8	24.0	24.0
LTE B4/B66	5	30	21.2	21.2	24.0	24.0
LTE B70	1	24.9	21.2	21.2	24.0	24.0
LTE B70	5	32.7	23.6	23.6	24.0	24.0
LTE B71	8	30.1	29	29	24.0	24.0
LTE B106	8	21.2	21.6	21.6	24.0	24.0
FR1 n7	8	21.3	21.3	21.3	24.0	24.0
FR1 n7	5	39.8	17.8	17.8	24.0	24.0
FR1 n12	8	25.1	26.3	26.3	24.0	24.0
FR1 n13	8	24.6	25	25	23.5	23.5
FR1 n14	8	24.2	24.5	24.5	23.5	23.5
FR1 n2/n25	1	23.5	24	24	24.0	24.0
FR1 n2/n25	5	32.3	21.2	21.2	24.0	24.0
FR1 n5/n26	8	23.8	24.4	24.4	24.0	24.0
FR1 n30	8	23.8	24.1	24.1	23.5	23.5
FR1 n30	5	33.6	19.5	19.5	23.5	23.5
FR1 n41/38(PC3)	8	20.7	20.7	20.7	24.0	24.0
FR1 n41 (PC2)						23.0
FR1 n41/38(PC3)	5	35.4	17.8	17.8	24.0	24.0
FR1 n41 (PC2)						23.0
FR1 n41 (PC2)_SRS	3	30.5	25.8	25.8	22.5	22.5
FR1 n41 (PC2)_SRS	4	31.7	20	20	22.0	22.0
FR1 n48	8	21.2	16.5	16.5	22.5	22.5
FR1 n48	9	18.2	21.3	21.3	22.5	22.5
FR1 n66	1	25.6	21.1	21.1	24.0	24.0
FR1 n66	5	29.8	21.8	21.8	24.0	24.0
FR1 n70	1	25.2	24.2	24.2	24.0	24.0
FR1 n70	5	34.6	24.1	24.1	24.0	24.0
FR1 n71	8	30.8	29.6	29.6	24.0	24.0
FR1 n77/78(PC3)_(27Q & 27O)	8	20.7	16.9	16.9	24.0	24.0

FR1 n77/78 (PC2)_(27Q & 27O)						23.0
FR1 n77/78(PC3)_(27Q & 27O)	9	17.6	20.7	20.7	24.0	24.0
FR1 n77/78 (PC2)_(27Q & 27O)						23.0
FR1 n77/78 (PC2)_SRS_(27Q & 27O)	3	27.5	14.7	14.7	24.0	24.0
FR1 n77/78 (PC2)_SRS_(27Q & 27O)	4	24.9	18	18	23.0	23.0
FR1 n77/78(PC3)_(Part 96)	8	20.7	16.9	16.9	24.0	22.5
FR1 n77/78(PC3)_(Part 96)	9	17.6	20.7	20.7	24.0	22.5
FR1 n77/78(PC3)_(Part 96)	3	27.5	14.7	14.7	24.0	23.0
FR1 n77/78(PC3)_(Part 96)	4	24.9	18	18	23.0	23.0

Band	Head	Hotspot	Body Worn / Extremity	Sensor OFF	Pmax*
	(DSI 2)	(DSI 3)	(DSI 1)	(DSI0)	
WLAN2.4G	21.0	19.0	19.0	29.5	20.5
WLAN5.2G	18.5	13.2	13.2	19.5	18.5
WLAN5.3G	18.5		13.2	19.5	18.5
WLAN5.5G	18.5		13.2	19.5	18.5
WLAN5.8G	18.5	13.2	13.2	19.5	18.5
WLAN6G UNII5_SP_LPI	16.0		11.6	25.1	18.5
WLAN6G UNII6_SP_LPI	16.0		11.6	25.1	18.5
WLAN6G UNII7_SP_LPI	16.0		11.6	25.1	18.5
WLAN6G UNII8_SP_LPI	16.0		11.6	25.1	16.0
WLAN6G UNII5_VLP	16.0	11.6	11.6	25.1	9.0
WLAN6G UNII6_VLP	16.0	11.6	11.6	25.1	9.0
WLAN6G UNII7_VLP	16.0	11.6	11.6	25.1	9.0
WLAN6G UNII8_VLP	16.0	11.6	11.6	25.1	9.0
Bluetooth Ant 6	18.9	18.6	18.6	34.5	4.7
Bluetooth Ant 7	21.6	18.6	18.6	34.5	4.7

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.
3. Plimit is single chain output power, MIMO = single chain power plus 3dB

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 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:

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

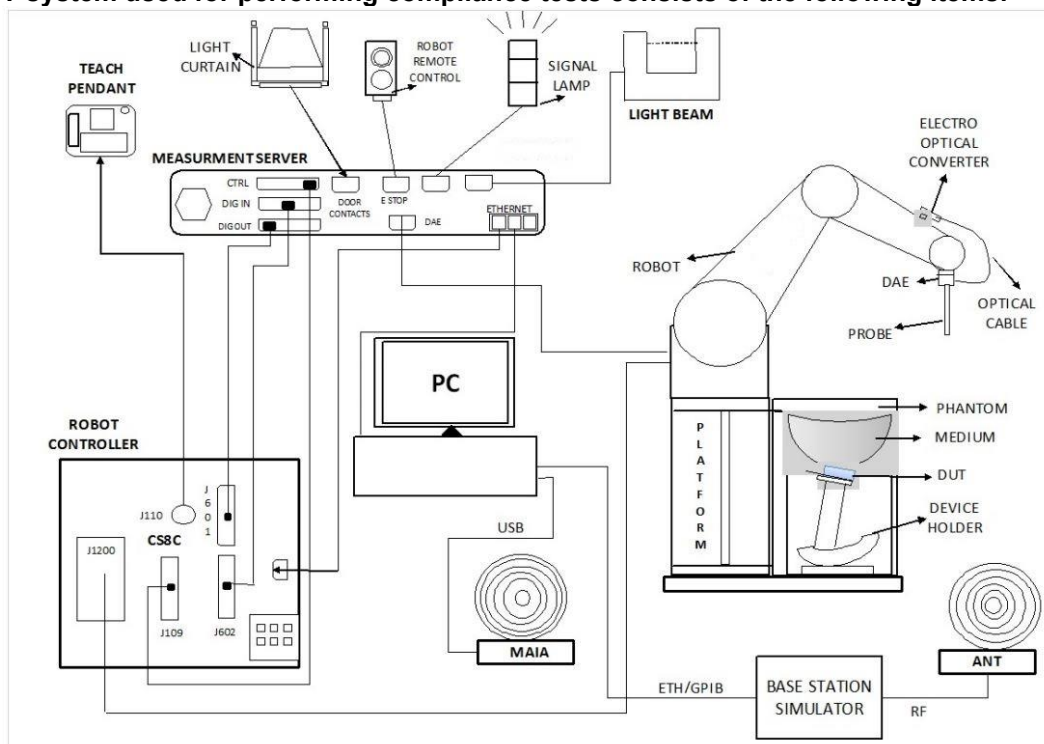
SAR is expressed in units of Watts per kilogram (W/kg)

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

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		TW3786					
	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan		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 DASy measurement software, the power reference measurement and power drift measurement procedures are used for monitoring the power drift of EUT during SAR test. Both these procedures measure the field at a specified reference position before and after the SAR testing. The software will calculate the field difference in dB. If the power drifts more than 5%, the SAR will be retested.



9. Test Equipment List

Manufacturer	Name of Equipment	Type/Model	Serial Number	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	1900MHz System Validation Kit ⁽²⁾	D1900V2	5d093	Mar. 20, 2025	Mar. 19, 2026
SPEAG	2300MHz System Validation Kit ⁽²⁾	D2300V2	1088	Jul. 10, 2024	Jul. 08, 2026
SPEAG	2450MHz System Validation Kit ⁽²⁾	D2450V2	806	Mar. 13, 2025	Mar. 12, 2026
SPEAG	2600MHz System Validation Kit	D2600V2	1078	Jun. 11, 2025	Jun. 10, 2026
SPEAG	3500MHz System Validation Kit ⁽²⁾	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	6500MHz System Validation Kit	D6.5GHzV2	1083	Oct. 22, 2025	Oct. 21, 2026
SPEAG	5GHz System Validation Kit ⁽²⁾	D5GHzV2	1171	Apr. 19, 2024	Apr. 17, 2026
SPEAG	5GHz System Validation Kit ⁽²⁾	D5GHzV2	1128	Sep. 17, 2024	Sep. 15, 2026
SPEAG	5G Verification Source	10GHz	1020	Jan. 15, 2026	Jan. 14, 2027
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	1326	Jul. 11, 2025	Jul. 10, 2026
SPEAG	Data Acquisition Electronics	DAE4	853	Sep. 09, 2025	Sep. 08, 2026
SPEAG	Dosimetric E-Field Probe	EX3DV4	3925	Apr. 28, 2025	Apr. 27, 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	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
SPEAG	EUmmWV Probe Tip Protection	EUmmWV4	9441	Nov. 17, 2025	Nov. 16, 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
R&S	BT Base Station	CBT	101136	Oct. 29, 2025	Oct. 28, 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	3690	Aug. 14, 2025	Aug. 13, 2026
Anritsu	Power Meter	ML2496A	2119003	Jul. 14, 2025	Jul. 13, 2026
Anritsu	Power Sensor	MA2411B	1911334	Jul. 14, 2025	Jul. 13, 2026
Anritsu	Spectrum Analyzer	MS2830A	6201396378	Jul. 09, 2025	Jul. 08, 2026
Mini-Circuits	Power Amplifier	ZVE-3W-183+	031302302	Feb. 24, 2025	Feb. 23, 2026
Mini-Circuits	Power Amplifier	ZVE-3W-183+	072602118	Apr. 08, 2025	Apr. 07, 2026
ATM	Dual Directional Coupler	C122H-10	P610410z-02	Note 1	
Warison	Directional Coupler	WCOU-10-50S-10	WR889BMC4B1	Note 1	
Woken	Attenuator 1	WK0602-XX	N/A	Note 1	
PE	Attenuator 2	PE7005-10	N/A	Note 1	
PE	Attenuator 3	PE7005- 3	N/A	Note 1	

General Note:

- 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.
- 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 >

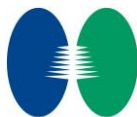
Frequency (MHz)	Liquid Temp (°C)	Conductivity (σ)	Permittivity (ϵ_r)	Conductivity Target (σ)	Permittivity Target (ϵ_r)	Delta (σ) (%)	Delta (ϵ_r) (%)	Limit (%)	Date
13	22.3	0.749	57.136	0.75	55.0	-0.13	3.88	± 10.0	2026-03-31
750	22.4	0.887	44.733	0.89	41.9	-0.34	6.76	± 10.0	2026-01-16
750	22.4	0.924	42.741	0.89	41.9	3.82	2.01	± 10.0	2026-01-19
750	22.1	0.893	42.648	0.89	41.9	0.34	1.79	± 10.0	2026-02-03
750	22.4	0.848	44.232	0.89	41.9	-4.72	5.57	± 10.0	2026-02-11
750	22.1	0.884	43.288	0.89	41.9	-0.67	3.31	± 10.0	2026-02-11
750	22.9	0.847	44.253	0.89	41.9	-4.83	5.62	± 10.0	2026-02-14
750	22.4	0.867	43.258	0.89	41.9	-2.58	3.24	± 10.0	2026-02-14
750	22.9	0.84	44.596	0.89	41.9	-5.62	6.43	± 10.0	2026-03-01
750	22.4	0.896	44.29	0.89	41.9	0.67	5.70	± 10.0	2026-03-01
835	22.3	0.953	42.5	0.9	41.5	5.89	2.41	± 10.0	2026-01-18
835	22.5	0.921	44.657	0.9	41.5	2.33	7.61	± 10.0	2026-01-24
835	22.1	0.924	42.407	0.9	41.5	2.67	2.19	± 10.0	2026-02-03
835	22.6	0.902	44.048	0.9	41.5	0.22	6.14	± 10.0	2026-02-13
835	22.3	0.891	43.043	0.9	41.5	-1.00	3.72	± 10.0	2026-02-13
835	22.1	0.898	44.15	0.9	41.5	-0.22	6.39	± 10.0	2026-02-19
835	22.9	0.89	45.089	0.9	41.5	-1.11	8.65	± 10.0	2026-02-19
835	22.9	0.894	44.391	0.9	41.5	-0.67	6.97	± 10.0	2026-03-01
835	22.4	0.925	44.086	0.9	41.5	2.78	6.23	± 10.0	2026-03-01
1750	22.8	1.363	42.745	1.37	40.1	-0.51	6.60	± 10.0	2026-01-14
1750	22.9	1.38	40.805	1.37	40.1	0.73	1.76	± 10.0	2026-01-22
1750	22.5	1.369	42.852	1.37	40.1	-0.07	6.86	± 10.0	2026-01-24
1750	22.8	1.366	40.73	1.37	40.1	-0.29	1.57	± 10.0	2026-02-04
1750	22.2	1.349	42.442	1.37	40.1	-1.53	5.84	± 10.0	2026-02-09
1750	22.5	1.356	41.227	1.37	40.1	-1.02	2.81	± 10.0	2026-02-09
1750	22.7	1.348	42.463	1.37	40.1	-1.61	5.89	± 10.0	2026-02-17
1750	22.7	1.317	41.197	1.37	40.1	-3.87	2.74	± 10.0	2026-02-17
1750	22.1	1.339	42.565	1.37	40.1	-2.26	6.15	± 10.0	2026-02-19
1750	22.9	1.364	42.736	1.37	40.1	-0.44	6.57	± 10.0	2026-02-19
1750	22.8	1.332	42.807	1.37	40.1	-2.77	6.75	± 10.0	2026-03-02
1750	22.3	1.376	42.209	1.37	40.1	0.44	5.26	± 10.0	2026-03-02
1900	22.6	1.442	42.471	1.4	40.0	3.00	6.18	± 10.0	2026-01-17
1900	22.5	1.448	42.578	1.4	40.0	3.43	6.45	± 10.0	2026-01-24
1900	22.7	1.444	40.445	1.4	40.0	3.14	1.11	± 10.0	2026-02-05
1900	22.8	1.421	42.217	1.4	40.0	1.50	5.54	± 10.0	2026-02-12
1900	22.2	1.45	41.099	1.4	40.0	3.57	2.75	± 10.0	2026-02-12
1900	22.1	1.409	42.34	1.4	40.0	0.64	5.85	± 10.0	2026-02-19
1900	22.9	1.441	42.384	1.4	40.0	2.93	5.96	± 10.0	2026-02-19
1900	22.5	1.402	42.581	1.4	40.0	0.14	6.45	± 10.0	2026-03-03
1900	22.2	1.458	41.93	1.4	40.0	4.14	4.82	± 10.0	2026-03-03
2300	22.6	1.734	39.997	1.67	39.5	3.83	1.26	± 10.0	2026-01-21
2300	22.8	1.73	41.726	1.67	39.5	3.59	5.64	± 10.0	2026-02-16
2300	22.6	1.675	40.451	1.67	39.5	0.30	2.41	± 10.0	2026-02-16
2450	22.7	1.817	40.337	1.8	39.2	0.94	2.90	± 10.0	2026-02-17
2450	22.8	1.843	40.53	1.8	39.2	2.39	3.39	± 10.0	2026-02-18
2450	22.2	1.796	40.184	1.8	39.2	-0.22	2.51	± 10.0	2026-02-19
2600	22.5	1.978	41.493	1.96	39.0	0.92	6.39	± 10.0	2026-01-15
2600	22.5	1.968	39.565	1.96	39.0	0.41	1.45	± 10.0	2026-01-20
2600	22.6	1.987	41.599	1.96	39.0	1.38	6.66	± 10.0	2026-01-25



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2600	22.6	1.944	39.345	1.96	39.0	-0.82	0.88	±10.0	2026-01-26
2600	22.5	1.968	39.396	1.96	39.0	0.41	1.02	±10.0	2026-02-06
2600	22.3	1.978	41.302	1.96	39.0	0.92	5.90	±10.0	2026-02-10
2600	22.1	1.963	40.04	1.96	39.0	0.15	2.67	±10.0	2026-02-10
2600	22.4	1.975	41.323	1.96	39.0	0.77	5.96	±10.0	2026-02-15
2600	22.5	1.905	40.01	1.96	39.0	-2.81	2.59	±10.0	2026-02-15
2600	22.6	1.962	41.425	1.96	39.0	0.10	6.22	±10.0	2026-02-20
2600	22.1	1.987	40.931	1.96	39.0	1.38	4.95	±10.0	2026-02-20
2600	22.7	1.954	41.486	1.96	39.0	-0.31	6.37	±10.0	2026-02-21
2600	22.1	1.927	42.395	1.96	39.0	-1.68	8.71	±10.0	2026-02-21
2600	22.1	1.952	41.666	1.96	39.0	-0.41	6.84	±10.0	2026-03-04
2600	22.9	1.975	40.952	1.96	39.0	0.77	5.01	±10.0	2026-03-04
3500	22.2	2.781	39.976	2.91	37.9	-4.43	5.48	±10.0	2026-01-23
3500	22.7	2.711	37.722	2.91	37.9	-6.84	-0.47	±10.0	2026-01-27
3500	22.9	2.698	37.681	2.91	37.9	-7.29	-0.58	±10.0	2026-01-28
3500	22.4	2.709	37.627	2.91	37.9	-6.91	-0.72	±10.0	2026-01-29
3500	22.8	2.72	37.628	2.91	37.9	-6.53	-0.72	±10.0	2026-01-31
3500	22.7	2.675	37.901	2.91	37.9	-8.08	0.00	±10.0	2026-02-01
3500	22.6	2.743	37.773	2.91	37.9	-5.74	-0.34	±10.0	2026-02-07
3500	22.9	2.79	38.413	2.91	37.9	-4.12	1.35	±10.0	2026-02-08
3500	22.9	2.733	39.905	2.91	37.9	-6.08	5.29	±10.0	2026-02-18
3500	22.8	2.751	39.094	2.91	37.9	-5.46	3.15	±10.0	2026-02-18
3500	22.6	2.723	39.965	2.91	37.9	-6.43	5.45	±10.0	2026-02-22
3500	22.2	2.702	40.949	2.91	37.9	-7.15	8.04	±10.0	2026-02-22
3500	22.5	2.76	40.116	2.91	37.9	-5.15	5.85	±10.0	2026-02-23
3500	22.1	2.723	37.912	2.91	37.9	-6.43	0.03	±10.0	2026-02-23
3500	22.6	2.773	40.251	2.91	37.9	-4.71	6.20	±10.0	2026-02-24
3500	22.6	2.717	37.827	2.91	37.9	-6.63	-0.19	±10.0	2026-02-24
3500	22.3	2.79	40.358	2.91	37.9	-4.12	6.49	±10.0	2026-02-26
3500	22.4	2.69	40.568	2.91	37.9	-7.56	7.04	±10.0	2026-02-26
3500	22.4	2.782	40.309	2.91	37.9	-4.40	6.36	±10.0	2026-02-27
3500	22.3	2.732	37.905	2.91	37.9	-6.12	0.01	±10.0	2026-02-27
3500	22.3	2.72	40.146	2.91	37.9	-6.53	5.93	±10.0	2026-03-05
3500	22.4	2.758	39.322	2.91	37.9	-5.22	3.75	±10.0	2026-03-05
3500	22.7	2.672	36.881	2.91	37.9	-8.18	-2.69	±10.0	2026-03-06
3500	22.7	2.818	38.951	2.91	37.9	-3.16	2.77	±10.0	2026-03-07
3700	22.2	2.965	39.66	3.12	37.7	-4.97	5.20	±10.0	2026-01-23
3700	22.7	2.888	37.385	3.12	37.7	-7.44	-0.84	±10.0	2026-01-27
3700	22.9	2.874	37.344	3.12	37.7	-7.88	-0.94	±10.0	2026-01-28
3700	22.6	2.885	37.29	3.12	37.7	-7.53	-1.09	±10.0	2026-01-30
3700	22.8	2.897	37.292	3.12	37.7	-7.15	-1.08	±10.0	2026-01-31
3700	22.7	2.849	37.564	3.12	37.7	-8.69	-0.36	±10.0	2026-02-01
3700	22.6	2.922	37.437	3.12	37.7	-6.35	-0.70	±10.0	2026-02-07
3700	22.9	2.975	38.135	3.12	37.7	-4.65	1.15	±10.0	2026-02-08
3700	22.9	2.917	39.623	3.12	37.7	-6.51	5.10	±10.0	2026-02-18
3700	22.8	2.899	38.746	3.12	37.7	-7.08	2.77	±10.0	2026-02-18
3700	22.6	2.906	39.684	3.12	37.7	-6.86	5.26	±10.0	2026-02-22
3700	22.2	2.882	40.66	3.12	37.7	-7.63	7.85	±10.0	2026-02-22
3700	22.5	2.945	39.834	3.12	37.7	-5.61	5.66	±10.0	2026-02-23
3700	22.1	2.901	37.576	3.12	37.7	-7.02	-0.33	±10.0	2026-02-23
3700	22.7	2.959	39.969	3.12	37.7	-5.16	6.02	±10.0	2026-02-25
3700	22.8	2.894	37.49	3.12	37.7	-7.24	-0.56	±10.0	2026-02-25
3700	22.3	2.977	40.076	3.12	37.7	-4.58	6.30	±10.0	2026-02-26
3700	22.4	2.874	40.271	3.12	37.7	-7.88	6.82	±10.0	2026-02-26
3700	22.4	2.968	40.028	3.12	37.7	-4.87	6.18	±10.0	2026-02-27
3700	22.3	2.91	37.596	3.12	37.7	-6.73	-0.28	±10.0	2026-02-27
3700	22.3	2.902	39.864	3.12	37.7	-6.99	5.74	±10.0	2026-03-05
3700	22.7	2.84	36.615	3.12	37.7	-8.97	-2.88	±10.0	2026-03-06
3700	22.7	3.009	38.658	3.12	37.7	-3.56	2.54	±10.0	2026-03-07
3900	22.6	3.052	37.012	3.33	37.51	-8.35	-1.33	±10.0	2026-01-30
3900	22.8	3.064	37.013	3.33	37.51	-7.99	-1.32	±10.0	2026-01-31
3900	22.7	3.014	37.286	3.33	37.51	-9.49	-0.60	±10.0	2026-02-01
3900	22.2	3.036	37.175	3.33	37.51	-8.83	-0.89	±10.0	2026-02-02
3900	22.9	3.09	37.158	3.33	37.51	-7.21	-0.94	±10.0	2026-02-07
3900	22.9	3.167	37.841	3.33	37.51	-4.89	0.88	±10.0	2026-02-08
3900	22.7	3.157	39.73	3.33	37.51	-5.20	5.92	±10.0	2026-02-25
3900	22.8	3.061	37.212	3.33	37.51	-8.08	-0.79	±10.0	2026-02-25
3900	22.3	3.176	39.837	3.33	37.51	-4.62	6.20	±10.0	2026-02-26
3900	22.4	3.067	39.998	3.33	37.51	-7.90	6.63	±10.0	2026-02-26
3900	22.4	3.167	39.788	3.33	37.51	-4.89	6.07	±10.0	2026-02-27
3900	22.3	3.111	37.291	3.33	37.51	-6.58	-0.58	±10.0	2026-02-27
3900	22.2	3.155	39.612	3.33	37.51	-5.26	5.60	±10.0	2026-02-28
3900	22.8	3.046	40.198	3.33	37.51	-8.53	7.17	±10.0	2026-02-28
3900	22.3	3.098	39.625	3.33	37.51	-6.97	5.64	±10.0	2026-03-05



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3900	22.7	3.046	36.301	3.33	37.51	-8.53	-3.22	±10.0	2026-03-06
3900	22.4	3.14	38.719	3.33	37.51	-5.71	3.22	±10.0	2026-03-06
3900	22.7	3.214	38.355	3.33	37.51	-3.48	2.25	±10.0	2026-03-07
5250	22.3	4.494	35.148	4.71	35.95	-4.59	-2.23	±10.0	2026-02-20
5250	22.5	4.676	38.489	4.71	35.95	-0.72	7.06	±10.0	2026-02-21
5250	22.4	4.62	38.334	4.71	35.95	-1.91	6.63	±10.0	2026-02-22
5250	22.3	4.737	36.719	4.71	35.95	0.57	2.14	±10.0	2026-02-23
5600	22.3	4.87	34.478	5.07	35.5	-3.94	-2.88	±10.0	2026-02-20
5600	22.5	5.087	37.88	5.07	35.5	0.34	6.70	±10.0	2026-02-21
5600	22.3	5.137	35.995	5.07	35.5	1.32	1.39	±10.0	2026-02-23
5800	22.3	5.096	34.139	5.27	35.3	-3.30	-3.29	±10.0	2026-02-20
5800	22.5	5.34	37.575	5.27	35.3	1.33	6.44	±10.0	2026-02-21
5800	22.4	5.279	37.42	5.27	35.3	0.17	6.01	±10.0	2026-02-22
5800	22.3	5.41	35.691	5.27	35.3	2.66	1.11	±10.0	2026-02-23
6500	22.5	6.18	35.1	6.07	34.5	1.81	1.74	±10.0	2026-02-22
6500	22.5	6.15	35.6	6.07	34.5	1.32	3.19	±10.0	2026-03-30



10.2 System Performance Check Results

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

Test Site	Date	Frequency (MHz)	Input Power (mW)	Dipole S/N	Probe S/N	DAE S/N	Measured 1g SAR (W/kg)	Targeted 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Measured 10g SAR (W/kg)	Targeted 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (%)
SAR03	2026-03-31	13	250.00	CLA13 - 1022	EX3DV4 - SN7306	DAE4 Sn1311	0.122	0.529	0.488	-7.75	0.077	0.337	0.308	-8.61
SAR03	2026-01-16	750	100.00	D750V3 - 1012	EX3DV4 - SN7306	DAE4 Sn1512	0.855	8.400	8.550	1.79	0.566	5.410	5.660	4.62
SAR03	2026-01-19	750	100.00	D750V3 - 1012	EX3DV4 - SN7306	DAE4 Sn1512	0.872	8.400	8.720	3.81	0.582	5.410	5.820	7.58
SAR03	2026-02-03	750	100.00	D750V3 - 1012	EX3DV4 - SN7306	DAE4 Sn1512	0.846	8.400	8.460	0.71	0.564	5.410	5.640	4.25
SAR04	2026-02-11	750	250.00	D750V3 - 1012	EX3DV4 - SN7822	DAE4 Sn853	2.170	8.400	8.680	3.33	1.400	5.410	5.600	3.51
SAR03	2026-02-11	750	100.00	D750V3 - 1012	EX3DV4 - SN7306	DAE4 Sn1512	0.869	8.400	8.690	3.45	0.574	5.410	5.740	6.10
SAR04	2026-02-14	750	250.00	D750V3 - 1012	EX3DV4 - SN7822	DAE4 Sn853	2.120	8.400	8.480	0.95	1.390	5.410	5.560	2.77
SAR03	2026-02-14	750	100.00	D750V3 - 1012	EX3DV4 - SN7306	DAE4 Sn1512	0.865	8.400	8.650	2.98	0.570	5.410	5.700	5.36
SAR04	2026-03-01	750	250.00	D750V3 - 1012	EX3DV4 - SN7822	DAE4 Sn853	2.100	8.400	8.400	0.00	1.380	5.410	5.520	2.03
SAR03	2026-03-01	750	100.00	D750V3 - 1012	EX3DV4 - SN7306	DAE4 Sn1512	0.853	8.400	8.530	1.55	0.566	5.410	5.660	4.62
SAR03	2026-01-18	835	100.00	D835V2 - 499	EX3DV4 - SN7306	DAE4 Sn1512	0.963	9.440	9.630	2.01	0.638	6.050	6.380	5.45
SAR03	2026-01-24	835	100.00	D835V2 - 499	EX3DV4 - SN7306	DAE4 Sn1512	0.936	9.440	9.360	-0.85	0.618	6.050	6.180	2.15
SAR03	2026-02-03	835	100.00	D835V2 - 499	EX3DV4 - SN7306	DAE4 Sn1512	0.933	9.440	9.330	-1.17	0.612	6.050	6.120	1.16
SAR04	2026-02-13	835	250.00	D835V2 - 499	EX3DV4 - SN7822	DAE4 Sn853	2.440	9.440	9.760	3.39	1.590	6.050	6.360	5.12
SAR03	2026-02-13	835	100.00	D835V2 - 499	EX3DV4 - SN7306	DAE4 Sn1512	0.924	9.440	9.240	-2.12	0.608	6.050	6.080	0.50
SAR04	2026-02-19	835	250.00	D835V2 - 499	EX3DV4 - SN7822	DAE4 Sn853	2.460	9.440	9.840	4.24	1.610	6.050	6.440	6.45
SAR03	2026-02-19	835	100.00	D835V2 - 499	EX3DV4 - SN7306	DAE4 Sn1512	0.937	9.440	9.370	-0.74	0.612	6.050	6.120	1.16
SAR04	2026-03-01	835	250.00	D835V2 - 499	EX3DV4 - SN7822	DAE4 Sn853	2.520	9.440	10.080	6.78	1.650	6.050	6.600	9.09
SAR03	2026-03-01	835	100.00	D835V2 - 499	EX3DV4 - SN7306	DAE4 Sn1512	0.963	9.440	9.630	2.01	0.629	6.050	6.290	3.97
SAR03	2026-01-14	1750	50.00	D1750V2 - 1068	EX3DV4 - SN7306	DAE4 Sn1512	1.790	36.500	35.800	-1.92	0.948	19.400	18.960	-2.27
SAR03	2026-01-22	1750	50.00	D1750V2 - 1068	EX3DV4 - SN7306	DAE4 Sn1512	1.790	36.500	35.800	-1.92	0.958	19.400	19.160	-1.24
SAR03	2026-01-24	1750	50.00	D1750V2 - 1068	EX3DV4 - SN7306	DAE4 Sn1512	1.840	36.500	36.800	0.82	0.980	19.400	19.600	1.03
SAR03	2026-02-04	1750	50.00	D1750V2 - 1068	EX3DV4 - SN7306	DAE4 Sn1512	1.810	36.500	36.200	-0.82	0.973	19.400	19.460	0.31
SAR04	2026-02-09	1750	50.00	D1750V2 - 1068	EX3DV4 - SN7822	DAE4 Sn853	1.890	36.500	37.800	3.56	0.998	19.400	19.960	2.89
SAR03	2026-02-09	1750	50.00	D1750V2 - 1068	EX3DV4 - SN7306	DAE4 Sn1512	1.740	36.500	34.800	-4.66	0.938	19.400	18.760	-3.30
SAR04	2026-02-17	1750	50.00	D1750V2 - 1068	EX3DV4 - SN7822	DAE4 Sn853	1.910	36.500	38.200	4.66	0.999	19.400	19.980	2.99
SAR03	2026-02-17	1750	50.00	D1750V2 - 1068	EX3DV4 - SN7306	DAE4 Sn1512	1.690	36.500	33.800	-7.40	0.906	19.400	18.120	-6.60
SAR04	2026-02-19	1750	50.00	D1750V2 - 1068	EX3DV4 - SN7822	DAE4 Sn853	1.900	36.500	38.000	4.11	0.997	19.400	19.940	2.78
SAR03	2026-02-19	1750	50.00	D1750V2 - 1068	EX3DV4 - SN7306	DAE4 Sn1512	1.760	36.500	35.200	-3.56	0.942	19.400	18.840	-2.89
SAR04	2026-03-02	1750	50.00	D1750V2 - 1068	EX3DV4 - SN7822	DAE4 Sn853	1.890	36.500	37.800	3.56	0.991	19.400	19.820	2.16
SAR03	2026-03-02	1750	50.00	D1750V2 - 1068	EX3DV4 - SN7306	DAE4 Sn1512	1.840	36.500	36.800	0.82	0.984	19.400	19.680	1.44
SAR03	2026-01-17	1900	50.00	D1900V2 - 5d093	EX3DV4 - SN7306	DAE4 Sn1512	1.910	39.300	38.200	-2.80	0.992	20.800	19.840	-4.62
SAR03	2026-01-24	1900	50.00	D1900V2 - 5d093	EX3DV4 - SN7306	DAE4 Sn1512	1.930	39.300	38.600	-1.78	0.995	20.800	19.900	-4.33
SAR03	2026-02-05	1900	50.00	D1900V2 - 5d093	EX3DV4 - SN7306	DAE4 Sn1512	1.880	39.300	37.600	-4.33	0.984	20.800	19.680	-5.38
SAR04	2026-02-12	1900	50.00	D1900V2 - 5d093	EX3DV4 - SN7822	DAE4 Sn853	1.980	39.300	39.600	0.76	1.020	20.800	20.400	-1.92
SAR03	2026-02-12	1900	50.00	D1900V2 - 5d093	EX3DV4 - SN7306	DAE4 Sn1512	1.860	39.300	37.200	-5.34	0.970	20.800	19.400	-6.73
SAR04	2026-02-19	1900	50.00	D1900V2 - 5d093	EX3DV4 - SN7822	DAE4 Sn853	1.990	39.300	39.800	1.27	1.030	20.800	20.600	-0.96
SAR03	2026-02-19	1900	50.00	D1900V2 - 5d093	EX3DV4 - SN7306	DAE4 Sn1512	1.830	39.300	36.600	-6.87	0.959	20.800	19.180	-7.79
SAR04	2026-03-03	1900	50.00	D1900V2 - 5d093	EX3DV4 - SN7822	DAE4 Sn853	2.010	39.300	40.200	2.29	1.040	20.800	20.800	0.00
SAR03	2026-03-03	1900	50.00	D1900V2 - 5d093	EX3DV4 - SN7306	DAE4 Sn1512	1.890	39.300	37.800	-3.82	0.985	20.800	19.700	-5.29
SAR03	2026-01-21	2300	50.00	D2300V2 - 1088	EX3DV4 - SN7306	DAE4 Sn1512	2.270	48.200	45.400	-5.81	1.090	23.300	21.800	-6.44
SAR04	2026-02-16	2300	50.00	D2300V2 - 1088	EX3DV4 - SN7822	DAE4 Sn853	2.480	48.200	49.600	2.90	1.190	23.300	23.800	2.15
SAR03	2026-02-16	2300	50.00	D2300V2 - 1088	EX3DV4 - SN7306	DAE4 Sn1512	2.300	48.200	46.000	-4.56	1.100	23.300	22.000	-5.58
SAR05	2026-02-17	2450	50.00	D2450V2 - 806	EX3DV4 - SN3925	DAE4 Sn1326	2.450	52.900	49.000	-7.37	1.130	24.700	22.600	-8.50
SAR05	2026-02-18	2450	50.00	D2450V2 - 806	EX3DV4 - SN3925	DAE4 Sn1326	2.480	52.900	49.600	-6.24	1.140	24.700	22.800	-7.69
SAR05	2026-02-19	2450	50.00	D2450V2 - 806	EX3DV4 - SN3925	DAE4 Sn1326	2.390	52.900	47.800	-9.64	1.120	24.700	22.400	-9.31
SAR03	2026-01-15	2600	50.00	D2600V2 - 1078	EX3DV4 - SN7306	DAE4 Sn1512	2.700	55.300	54.000	-2.35	1.220	24.900	24.400	-2.01
SAR03	2026-01-20	2600	50.00	D2600V2 - 1078	EX3DV4 - SN7306	DAE4 Sn1512	2.610	55.300	52.200	-5.61	1.180	24.900	23.600	-5.22
SAR03	2026-01-25	2600	50.00	D2600V2 - 1078	EX3DV4 - SN7306	DAE4 Sn1512	2.720	55.300	54.400	-1.63	1.230	24.900	24.600	-1.20
SAR03	2026-01-26	2600	50.00	D2600V2 - 1078	EX3DV4 - SN7306	DAE4 Sn1512	2.660	55.300	53.200	-3.80	1.200	24.900	24.000	-3.61
SAR03	2026-02-06	2600	50.00	D2600V2 - 1078	EX3DV4 - SN7306	DAE4 Sn1512	2.790	55.300	55.800	0.90	1.270	24.900	25.400	2.01
SAR04	2026-02-10	2600	50.00	D2600V2 - 1078	EX3DV4 - SN7822	DAE4 Sn853	2.880	55.300	57.600	4.16	1.280	24.900	25.600	2.81
SAR03	2026-02-10	2600	50.00	D2600V2 - 1078	EX3DV4 - SN7306	DAE4 Sn1512	2.720	55.300	54.400	-1.63	1.210	24.900	24.200	-2.81
SAR04	2026-02-15	2600	50.00	D2600V2 - 1078	EX3DV4 - SN7822	DAE4 Sn853	2.840	55.300	56.800	2.71	1.260	24.900	25.200	1.20
SAR03	2026-02-15	2600	50.00	D2600V2 - 1078	EX3DV4 - SN7306	DAE4 Sn1512	2.590	55.300	51.800	-6.33	1.170	24.900	23.400	-6.02
SAR04	2026-02-20	2600	50.00	D2600V2 - 1078	EX3DV4 - SN7822	DAE4 Sn853	2.870	55.300	57.400	3.80	1.280	24.900	25.600	2.81
SAR03	2026-02-20	2600	50.00	D2600V2 - 1078	EX3DV4 - SN7306	DAE4 Sn1512	2.720	55.300	54.400	-1.63	1.220	24.900	24.400	-2.01
SAR04	2026-02-21	2600	50.00	D2600V2 - 1078	EX3DV4 - SN7822	DAE4 Sn853	2.860	55.300	57.200	3.44	1.270	24.900	25.400	2.01
SAR03	2026-02-21	2600	50.00	D2600V2 - 1078	EX3DV4 - SN7306	DAE4 Sn1512	2.650	55.300	53.000	-4.16	1.190	24.900	23.800	-4.42
SAR04	2026-03-04	2600	50.00	D2600V2 - 1078	EX3DV4 - SN7822	DAE4 Sn853	2.870	55.300	57.400	3.80	1.290	24.900	25.800	3.61
SAR03	2026-03-04	2600	50.00	D2600V2 - 1078	EX3DV4 - SN7306	DAE4 Sn1512	2.760	55.300	55.200	-0.18	1.240	24.900	24.800	-0.40
SAR03	2026-01-23	3500	50.00	D3500V2 - 1036	EX3DV4 - SN7306	DAE4 Sn1512	3.540	65.600	70.800	7.93	1.350	24.900	27.000	8.43
SAR03	2026-01-27	3500	50.00	D3500V2 - 1036	EX3DV4 - SN7306	DAE4 Sn1512	3.430	65.600	68.600	4.57	1.300	24.900	26.000	4.42
SAR03	2026-01-28	3500	50.00	D3500V2 - 1036	EX3DV4 - SN7306	DAE4 Sn1512	3.380	65.600	67.600	3.05	1.290	24.900	25.800	3.61
SAR03	2026-01-29	3500	50.00	D3500V2 - 1036	EX3DV4 - SN7306	DAE4 Sn1512	3.130	65.600	62.600	-4.57	1.200	24.900	24.000	-3.61
SAR03	2026-01-31	3500	50.00	D3500V2 - 1036	EX3DV4 - SN7306	DAE4 Sn1512	3.110	65.600	62.200	-5.18	1.190	24.900	23.800	-4.42



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SAR03	2026-02-01	3500	50.00	D3500V2 - 1036	EX3DV4 - SN7306	DAE4 Sn1512	3.090	65.600	61.800	-5.79	1.180	24.900	23.600	-5.22
SAR03	2026-02-07	3500	50.00	D3500V2 - 1036	EX3DV4 - SN7306	DAE4 Sn1512	3.430	65.600	68.600	4.57	1.310	24.900	26.200	5.22
SAR03	2026-02-08	3500	50.00	D3500V2 - 1036	EX3DV4 - SN7306	DAE4 Sn1512	3.480	65.600	69.600	6.10	1.330	24.900	26.600	6.83
SAR04	2026-02-18	3500	50.00	D3500V2 - 1036	EX3DV4 - SN7822	DAE4 Sn853	3.490	65.600	69.800	6.40	1.320	24.900	26.400	6.02
SAR03	2026-02-18	3500	50.00	D3500V2 - 1036	EX3DV4 - SN7306	DAE4 Sn1512	3.230	65.600	64.600	-1.52	1.240	24.900	24.800	-0.40
SAR04	2026-02-22	3500	50.00	D3500V2 - 1036	EX3DV4 - SN7822	DAE4 Sn853	3.510	65.600	70.200	7.01	1.330	24.900	26.600	6.83
SAR03	2026-02-22	3500	50.00	D3500V2 - 1036	EX3DV4 - SN7306	DAE4 Sn1512	3.250	65.600	65.000	-0.91	1.250	24.900	25.000	0.40
SAR04	2026-02-23	3500	50.00	D3500V2 - 1036	EX3DV4 - SN7822	DAE4 Sn853	3.550	65.600	71.000	8.23	1.340	24.900	26.800	7.63
SAR03	2026-02-23	3500	50.00	D3500V2 - 1036	EX3DV4 - SN7306	DAE4 Sn1512	3.260	65.600	65.200	-0.61	1.190	24.900	23.800	-4.42
SAR04	2026-02-24	3500	50.00	D3500V2 - 1036	EX3DV4 - SN7822	DAE4 Sn853	3.550	65.600	71.000	8.23	1.350	24.900	27.000	8.43
SAR03	2026-02-24	3500	50.00	D3500V2 - 1036	EX3DV4 - SN7306	DAE4 Sn1512	3.180	65.600	63.600	-3.05	1.200	24.900	24.000	-3.61
SAR04	2026-02-26	3500	50.00	D3500V2 - 1036	EX3DV4 - SN7822	DAE4 Sn853	3.570	65.600	71.400	8.84	1.360	24.900	27.200	9.24
SAR03	2026-02-26	3500	50.00	D3500V2 - 1036	EX3DV4 - SN7306	DAE4 Sn1512	3.430	65.600	68.600	4.57	1.300	24.900	26.000	4.42
SAR04	2026-02-27	3500	50.00	D3500V2 - 1036	EX3DV4 - SN7822	DAE4 Sn853	3.570	65.600	71.400	8.84	1.350	24.900	27.000	8.43
SAR03	2026-02-27	3500	50.00	D3500V2 - 1036	EX3DV4 - SN7306	DAE4 Sn1512	3.410	65.600	68.200	3.96	1.300	24.900	26.000	4.42
SAR04	2026-03-05	3500	50.00	D3500V2 - 1036	EX3DV4 - SN7822	DAE4 Sn853	3.500	65.600	70.000	6.71	1.320	24.900	26.400	6.02
SAR03	2026-03-05	3500	50.00	D3500V2 - 1036	EX3DV4 - SN7306	DAE4 Sn1512	3.460	65.600	69.200	5.49	1.320	24.900	26.400	6.02
SAR04	2026-03-06	3500	50.00	D3500V2 - 1036	EX3DV4 - SN7822	DAE4 Sn853	3.060	65.600	61.200	-6.71	1.190	24.900	23.800	-4.42
SAR03	2026-03-07	3500	50.00	D3500V2 - 1036	EX3DV4 - SN7306	DAE4 Sn1512	3.490	65.600	69.800	6.40	1.340	24.900	26.800	7.63
SAR03	2026-01-23	3700	50.00	D3700V2 - 1022	EX3DV4 - SN7306	DAE4 Sn1512	3.450	68.100	69.000	1.32	1.300	25.200	26.000	3.17
SAR03	2026-01-27	3700	50.00	D3700V2 - 1022	EX3DV4 - SN7306	DAE4 Sn1512	3.310	68.100	66.200	-2.79	1.230	25.200	24.600	-2.38
SAR03	2026-01-28	3700	50.00	D3700V2 - 1022	EX3DV4 - SN7306	DAE4 Sn1512	3.370	68.100	67.400	-1.03	1.260	25.200	25.200	0.00
SAR03	2026-01-30	3700	50.00	D3700V2 - 1022	EX3DV4 - SN7306	DAE4 Sn1512	3.320	68.100	66.400	-2.50	1.230	25.200	24.600	-2.38
SAR03	2026-01-31	3700	50.00	D3700V2 - 1022	EX3DV4 - SN7306	DAE4 Sn1512	3.360	68.100	67.200	-1.32	1.290	25.200	25.800	2.38
SAR03	2026-02-01	3700	50.00	D3700V2 - 1022	EX3DV4 - SN7306	DAE4 Sn1512	3.380	68.100	67.600	-0.73	1.250	25.200	25.000	-0.79
SAR03	2026-02-07	3700	50.00	D3700V2 - 1022	EX3DV4 - SN7306	DAE4 Sn1512	3.410	68.100	68.200	0.15	1.270	25.200	25.400	0.79
SAR03	2026-02-08	3700	50.00	D3700V2 - 1022	EX3DV4 - SN7306	DAE4 Sn1512	3.450	68.100	69.000	1.32	1.290	25.200	25.800	2.38
SAR04	2026-02-18	3700	50.00	D3700V2 - 1022	EX3DV4 - SN7822	DAE4 Sn853	3.460	68.100	69.200	1.62	1.280	25.200	25.600	1.59
SAR03	2026-02-18	3700	50.00	D3700V2 - 1022	EX3DV4 - SN7306	DAE4 Sn1512	3.270	68.100	65.400	-3.96	1.180	25.200	23.600	-6.35
SAR04	2026-02-22	3700	50.00	D3700V2 - 1022	EX3DV4 - SN7822	DAE4 Sn853	3.450	68.100	69.000	1.32	1.280	25.200	25.600	1.59
SAR03	2026-02-22	3700	50.00	D3700V2 - 1022	EX3DV4 - SN7306	DAE4 Sn1512	3.380	68.100	67.600	-0.73	1.250	25.200	25.000	-0.79
SAR04	2026-02-23	3700	50.00	D3700V2 - 1022	EX3DV4 - SN7822	DAE4 Sn853	3.490	68.100	69.800	2.50	1.300	25.200	26.000	3.17
SAR03	2026-02-23	3700	50.00	D3700V2 - 1022	EX3DV4 - SN7306	DAE4 Sn1512	3.370	68.100	67.400	-1.03	1.250	25.200	25.000	-0.79
SAR04	2026-02-25	3700	50.00	D3700V2 - 1022	EX3DV4 - SN7822	DAE4 Sn853	3.510	68.100	70.200	3.08	1.300	25.200	26.000	3.17
SAR03	2026-02-25	3700	50.00	D3700V2 - 1022	EX3DV4 - SN7306	DAE4 Sn1512	3.300	68.100	66.000	-3.08	1.220	25.200	24.400	-3.17
SAR04	2026-02-26	3700	50.00	D3700V2 - 1022	EX3DV4 - SN7822	DAE4 Sn853	3.540	68.100	70.800	3.96	1.310	25.200	26.200	3.97
SAR03	2026-02-26	3700	50.00	D3700V2 - 1022	EX3DV4 - SN7306	DAE4 Sn1512	3.360	68.100	67.200	-1.32	1.240	25.200	24.800	-1.59
SAR04	2026-02-27	3700	50.00	D3700V2 - 1022	EX3DV4 - SN7822	DAE4 Sn853	3.520	68.100	70.400	3.38	1.310	25.200	26.200	3.97
SAR03	2026-02-27	3700	50.00	D3700V2 - 1022	EX3DV4 - SN7306	DAE4 Sn1512	3.390	68.100	67.800	-0.44	1.280	25.200	25.600	1.59
SAR04	2026-03-05	3700	50.00	D3700V2 - 1022	EX3DV4 - SN7822	DAE4 Sn853	3.450	68.100	69.000	1.32	1.280	25.200	25.600	1.59
SAR04	2026-03-06	3700	50.00	D3700V2 - 1022	EX3DV4 - SN7822	DAE4 Sn853	3.360	68.100	67.200	-1.32	1.220	25.200	24.400	-3.17
SAR03	2026-03-07	3700	50.00	D3700V2 - 1022	EX3DV4 - SN7306	DAE4 Sn1512	3.440	68.100	68.800	1.03	1.280	25.200	25.600	1.59
SAR03	2026-01-30	3900	50.00	D3900V2 - 1017	EX3DV4 - SN7306	DAE4 Sn1512	3.190	70.200	63.800	-9.12	1.130	24.600	22.600	-8.13
SAR03	2026-01-31	3900	50.00	D3900V2 - 1017	EX3DV4 - SN7306	DAE4 Sn1512	3.200	70.200	64.000	-8.83	1.120	24.600	22.400	-8.94
SAR03	2026-02-01	3900	50.00	D3900V2 - 1017	EX3DV4 - SN7306	DAE4 Sn1512	3.180	70.200	63.600	-9.40	1.110	24.600	22.200	-9.76
SAR03	2026-02-02	3900	50.00	D3900V2 - 1017	EX3DV4 - SN7306	DAE4 Sn1512	3.250	70.200	65.000	-7.41	1.140	24.600	22.800	-7.32
SAR03	2026-02-07	3900	50.00	D3900V2 - 1017	EX3DV4 - SN7306	DAE4 Sn1512	3.190	70.200	63.800	-9.12	1.110	24.600	22.200	-9.76
SAR03	2026-02-08	3900	50.00	D3900V2 - 1017	EX3DV4 - SN7306	DAE4 Sn1512	3.220	70.200	64.400	-8.26	1.130	24.600	22.600	-8.13
SAR04	2026-02-25	3900	50.00	D3900V2 - 1017	EX3DV4 - SN7822	DAE4 Sn853	3.730	70.200	74.600	6.27	1.320	24.600	26.400	7.32
SAR03	2026-02-25	3900	50.00	D3900V2 - 1017	EX3DV4 - SN7306	DAE4 Sn1512	3.220	70.200	64.400	-8.26	1.120	24.600	22.400	-8.94
SAR04	2026-02-26	3900	50.00	D3900V2 - 1017	EX3DV4 - SN7822	DAE4 Sn853	3.740	70.200	74.800	6.55	1.320	24.600	26.400	7.32
SAR03	2026-02-26	3900	50.00	D3900V2 - 1017	EX3DV4 - SN7306	DAE4 Sn1512	3.250	70.200	65.000	-7.41	1.150	24.600	23.000	-6.50
SAR04	2026-02-27	3900	50.00	D3900V2 - 1017	EX3DV4 - SN7822	DAE4 Sn853	3.730	70.200	74.600	6.27	1.320	24.600	26.400	7.32
SAR03	2026-02-27	3900	50.00	D3900V2 - 1017	EX3DV4 - SN7306	DAE4 Sn1512	3.290	70.200	65.800	-6.27	1.160	24.600	23.200	-5.69
SAR04	2026-02-28	3900	50.00	D3900V2 - 1017	EX3DV4 - SN7822	DAE4 Sn853	3.720	70.200	74.400	5.98	1.320	24.600	26.400	7.32
SAR03	2026-02-28	3900	50.00	D3900V2 - 1017	EX3DV4 - SN7306	DAE4 Sn1512	3.170	70.200	63.400	-9.69	1.120	24.600	22.400	-8.94
SAR04	2026-03-05	3900	50.00	D3900V2 - 1017	EX3DV4 - SN7822	DAE4 Sn853	3.660	70.200	73.200	4.27	1.290	24.600	25.800	4.88
SAR04	2026-03-06	3900	50.00	D3900V2 - 1017	EX3DV4 - SN7822	DAE4 Sn853	3.280	70.200	65.600	-6.55	1.240	24.600	24.800	0.81
SAR03	2026-03-06	3900	50.00	D3900V2 - 1017	EX3DV4 - SN7306	DAE4 Sn1512	3.290	70.200	65.800	-6.27	1.160	24.600	23.200	-5.69
SAR03	2026-03-07	3900	50.00	D3900V2 - 1017	EX3DV4 - SN7306	DAE4 Sn1512	3.180	70.200	63.600	-9.40	1.120	24.600	22.400	-8.94
SAR05	2026-02-20	5250	50.00	D5GHzV2 - 1128	EX3DV4 - SN3925	DAE4 Sn1326	3.660	77.500	73.200	-5.55	1.050	22.200	21.000	-5.41
SAR05	2026-02-21	5250	50.00	D5GHzV2 - 1128	EX3DV4 - SN3925	DAE4 Sn1326	3.780	77.500	75.600	-2.45	1.090	22.200	21.800	-1.80
SAR05	2026-02-22	5250	50.00	D5GHzV2 - 1128	EX3DV4 - SN3925	DAE4 Sn1326	3.730	77.500	74.600	-3.74	1.070	22.200	21.400	-3.60
SAR05	2026-02-23	5250	50.00	D5GHzV2 - 1171	EX3DV4 - SN3925	DAE4 Sn1326	3.800	78.700	76.000	-3.43	1.080	22.700	21.600	-4.85
SAR05	2026-02-20	5600	50.00	D5GHzV2 - 1128	EX3DV4 - SN3925	DAE4 Sn1326	3.760	81.700	75.200	-7.96	1.070	23.500	21.400	-8.94
SAR05	2026-02-21	5600	50.00	D5GHzV2 - 1128	EX3DV4 - SN3925	DAE4 Sn1326	4.110	81.700	82.200	0.61	1.170	23.500	23.400	-0.43
SAR05	2026-02-23	5600	50.00	D5GHzV2 - 1171	EX3DV4 - SN3925	DAE4 Sn1326	4.300	81.400	86.000	5.65	1.160	23.400	23.200	-0.85
SAR05	2026-02-20	5800	50.00	D5GHzV2 - 1128	EX3DV4 - SN3925	DAE4 Sn1326	3.680	78.600	73.600	-6.36	1.040	22.500	20.800	-7.56
SAR05	2026-02-21	5800	50.00	D5GHzV2 - 1128	EX3DV4 - SN3925	DAE4 Sn1326	3.830	78.600	76.600	-2.54	1.100	22.500	22.000	-2.22
SAR05	2026-02-22	5800	50.00	D5GHzV2 - 1128	EX3DV4 - SN3925	DAE4 Sn1326	3.780	78.600	75.600	-3.82	1.090	22.500	21.800	-3.11
SAR05	2026-02-23	5800	50.00	D5GHzV2 - 1171	EX3DV4 - SN3925	DAE4 Sn1326	4.240	78.900	84.800	7.48	1.180	22.400	23.600	5.36

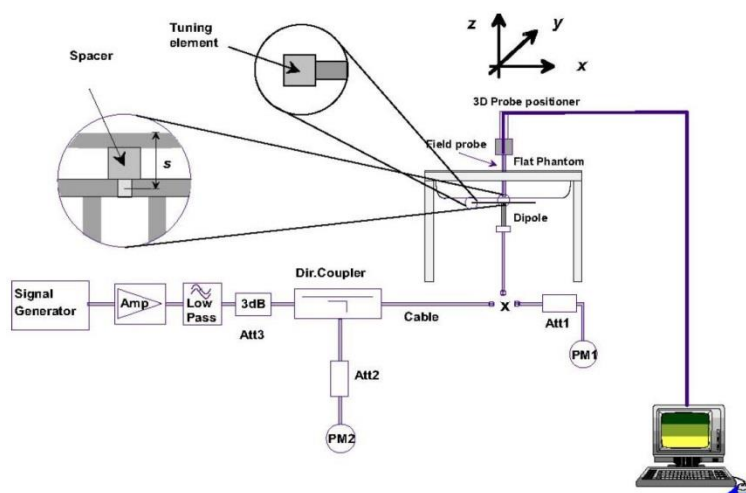


Fig 8.3.1 System Performance Check Setup



Fig 8.3.2 Setup Photo

10.3 PD System Performance Check Results

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

Test Site	Frequency (GHz)	5G Verification Source	Probe S/N	DAE S/N	Distance (mm)	Measured 4 cm ² (W/m ²)	Targeted 4 cm ² (W/m ²)	Deviation (dB)	Date
SAR06	10G	10GHz_1020	9441	853	10	50.6	54.6	-0.33	2026/3/7

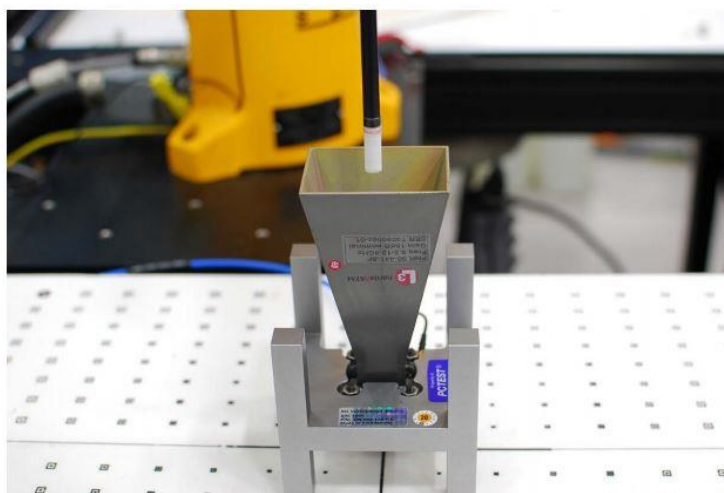


Figure 4-3
System Verification Setup Photo

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.

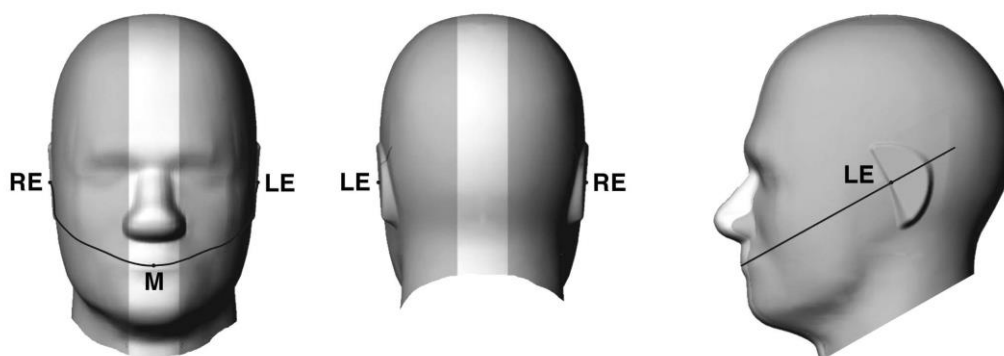


Fig 9.1.1 Front, back, and side views of SAM twin phantom

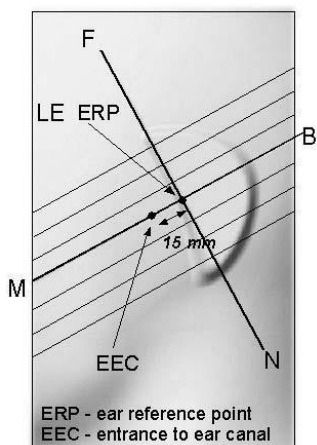


Fig 9.1.2 Close-up side view of phantom showing the ear region.

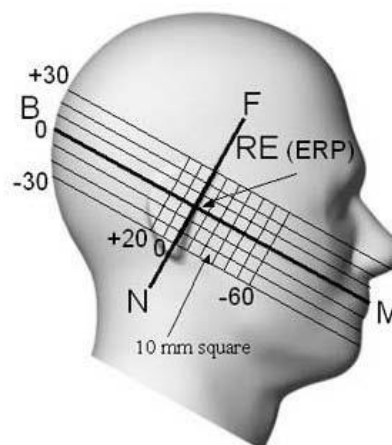


Fig 9.1.3 Side view of the phantom showing relevant markings and seven cross-sectional plane locations

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.

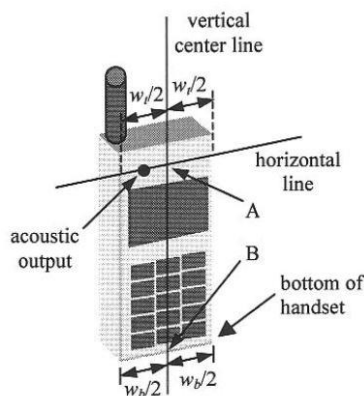


Fig 9.2.1 Handset vertical and horizontal reference lines—"fixed case"

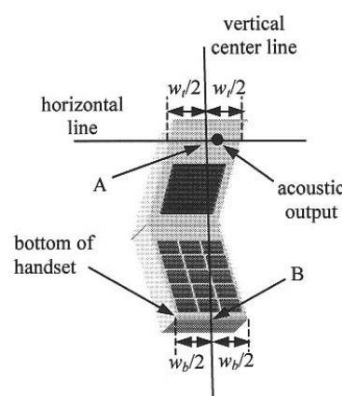


Fig 9.2.2 Handset vertical and horizontal reference lines—"clam-shell case"

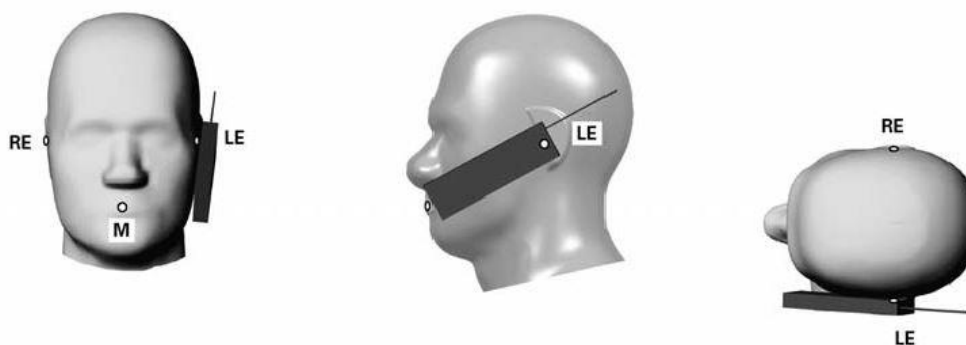


Fig 9.2.3 cheek or touch position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which establish the Reference Plane for handset positioning, are indicated.

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

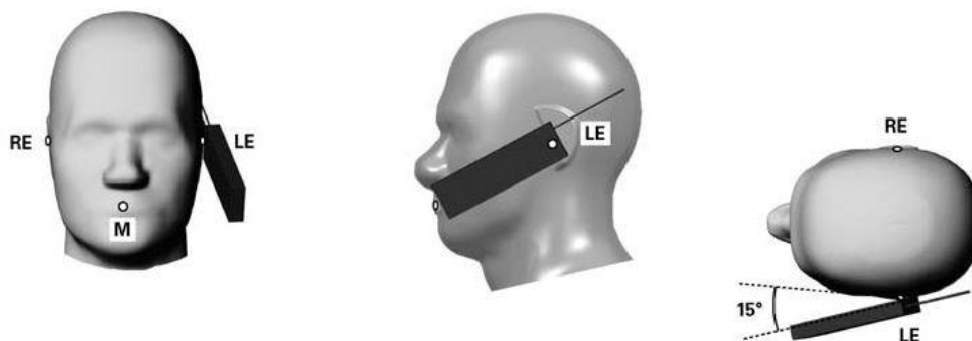


Fig 9.3.1 Tilt position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which define the Reference Plane for handset positioning, are indicated.

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.

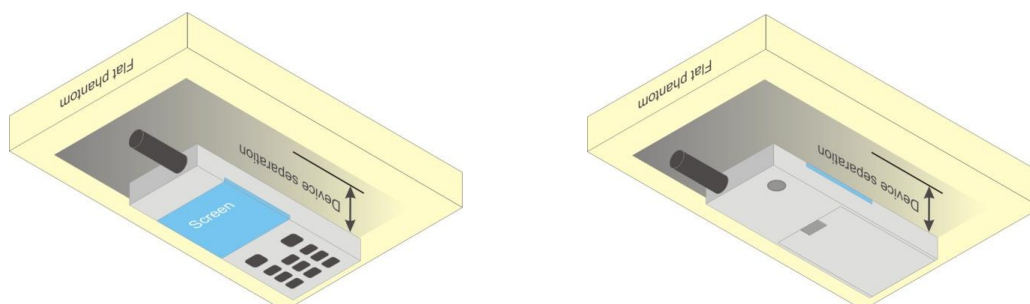


Fig 9.4 Body Worn Position



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
8	48C

【CA_2C_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		
18700	18898	QPSK	1	99	1	0	23.97	25.00
18900	19098	QPSK	1	99	1	0	23.88	25.00
19100	18902	QPSK	1	0	1	99	23.86	25.00

【CA_2C_Ant 1_DSI 2 (Head/IC Hand)】

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	23.97	24.60
18900	19098	QPSK	1	99	1	0	23.88	24.60
19100	18902	QPSK	1	0	1	99	23.86	24.60

【CA_2C_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		
18700	18898	QPSK	1	99	1	0	21.94	22.20
18900	19098	QPSK	1	99	1	0	21.86	22.20
19100	18902	QPSK	1	0	1	99	21.88	22.20

【CA_2C_Ant 1_DSI 1 (Body-worn/ 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	21.94	22.20
18900	19098	QPSK	1	99	1	0	21.86	22.20
19100	18902	QPSK	1	0	1	99	21.88	22.20

【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	23.96	25.00
20476	20575	QPSK	1	49	1	0	23.94	25.00
20600	20501	QPSK	1	0	1	49	23.92	25.00

【CA_5B_Ant 8_DSI 2 (Head/IC Hand)】

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	23.96	25.00
20476	20575	QPSK	1	49	1	0	23.94	25.00
20600	20501	QPSK	1	0	1	49	23.92	25.00

【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	23.96	25.00
20476	20575	QPSK	1	49	1	0	23.94	25.00
20600	20501	QPSK	1	0	1	49	23.92	25.00

【CA_5B_Ant 8_DSI 1 (Body-worn/ 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	23.96	25.00
20476	20575	QPSK	1	49	1	0	23.94	25.00
20600	20501	QPSK	1	0	1	49	23.92	25.00

【CA_7C_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		
20850	21048	QPSK	1	99	1	0	23.96	25.00
21100	21298	QPSK	1	99	1	0	23.85	25.00
21350	21152	QPSK	1	0	1	99	24.01	25.00

【CA_7C_Ant 8_DSI 2 (Head/IC Hand)】

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	19.73	21.00
21100	21298	QPSK	1	99	1	0	19.82	21.00
21350	21152	QPSK	1	0	1	99	19.88	21.00

【CA_7C_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		
20850	21048	QPSK	1	99	1	0	20.84	21.60
21100	21298	QPSK	1	99	1	0	20.78	21.60
21350	21152	QPSK	1	0	1	99	20.91	21.60

【CA_7C_Ant 8_DSI 1 (Body-worn/ 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	20.84	21.60
21100	21298	QPSK	1	99	1	0	20.78	21.60
21350	21152	QPSK	1	0	1	99	20.91	21.60

【CA_38C_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		
37850	38048	QPSK	1	99	1	0	24.19	25.00
37901	38099	QPSK	1	99	1	0	24.21	25.00
38150	37952	QPSK	1	0	1	99	24.16	25.00

【CA_38C_Ant 8_DSI 2 (Head/IC Hand)】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
37850	38048	QPSK	1	99	1	0	21.72	23.00
37901	38099	QPSK	1	99	1	0	21.90	23.00
38150	37952	QPSK	1	0	1	99	21.81	23.00

【CA_38C_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		
37850	38048	QPSK	1	99	1	0	22.31	23.20
37901	38099	QPSK	1	99	1	0	22.62	23.20
38150	37952	QPSK	1	0	1	99	22.59	23.20

【CA_38C_Ant 8_DSI 1 (Body-worn/ 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	22.31	23.20
37901	38099	QPSK	1	99	1	0	22.62	23.20
38150	37952	QPSK	1	0	1	99	22.59	23.20

【CA_41C HPUE_Ant 8_DSI 2 (Head/IC Hand)】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
39750	39948	QPSK	1	99	1	0	21.67	23.00
40185	40383	QPSK	1	99	1	0	21.62	23.00
40620	40818	QPSK	1	99	1	0	21.94	23.00
41055	41253	QPSK	1	99	1	0	21.83	23.00
41490	41292	QPSK	1	0	1	99	21.83	23.00

【CA_41C HPUE_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		
39750	39948	QPSK	1	99	1	0	22.33	23.20
40185	40383	QPSK	1	99	1	0	22.38	23.20
40620	40818	QPSK	1	99	1	0	22.76	23.20
41055	41253	QPSK	1	99	1	0	22.71	23.20
41490	41292	QPSK	1	0	1	99	22.43	23.20

【CA_41C HPUE_Ant 8_DSI 1 (Body-worn/ 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	22.33	23.20
40185	40383	QPSK	1	99	1	0	22.38	23.20
40620	40818	QPSK	1	99	1	0	22.76	23.20
41055	41253	QPSK	1	99	1	0	22.71	23.20
41490	41292	QPSK	1	0	1	99	22.43	23.20

【CA_48C_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		
55340	55538	QPSK	1	99	1	0	23.32	23.50
55830	56028	QPSK	1	99	1	0	23.17	23.50
56150	56348	QPSK	1	99	1	0	22.81	23.50
56640	56442	QPSK	1	0	1	99	23.19	23.50

【CA_48C_Ant 8_DSI 2 (Head/IC Hand)】

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		
55340	55538	QPSK	1	99	1	0	22.38	23.20
55830	56028	QPSK	1	99	1	0	22.12	23.20
56150	56348	QPSK	1	99	1	0	21.67	23.20
56640	56442	QPSK	1	0	1	99	21.98	23.20

【CA_48C_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		
55340	55538	QPSK	1	99	1	0	18.01	19.20
55830	56028	QPSK	1	99	1	0	17.68	19.20
56150	56348	QPSK	1	99	1	0	17.54	19.20
56640	56442	QPSK	1	0	1	99	17.79	19.20

【CA_48C_Ant 8_DSI 1 (Body-worn/ 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		
55340	55538	QPSK	1	99	1	0	18.01	19.20
55830	56028	QPSK	1	99	1	0	17.68	19.20
56150	56348	QPSK	1	99	1	0	17.54	19.20
56640	56442	QPSK	1	0	1	99	17.79	19.20

【CA_66B_Ant 1_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	24.10	25.00
132322	132415	QPSK	1	74	1	0	24.11	25.00
132597	132504	QPSK	1	0	1	24	24.06	25.00

【CA_66C_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		
132072	132270	QPSK	1	99	1	0	24.09	25.00
132322	132520	QPSK	1	99	1	0	24.14	25.00
132572	132374	QPSK	1	0	1	99	24.07	25.00

【CA_66B_Ant 1_DSI 2 (Head/IC Hand)】

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	24.10	25.00
132322	132415	QPSK	1	74	1	0	24.11	25.00
132597	132504	QPSK	1	0	1	24	24.06	25.00

【CA_66C_Ant 1_DSI 2 (Head/IC Hand)】

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	24.09	25.00
132322	132520	QPSK	1	99	1	0	24.14	25.00
132572	132374	QPSK	1	0	1	99	24.07	25.00

【CA_66B_Ant 1_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	20.52	20.80
132322	132415	QPSK	1	74	1	0	20.58	20.80
132597	132504	QPSK	1	0	1	24	20.54	20.80

【CA_66C_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		
132072	132270	QPSK	1	99	1	0	20.53	20.80
132322	132520	QPSK	1	99	1	0	20.61	20.80
132572	132374	QPSK	1	0	1	99	20.55	20.80

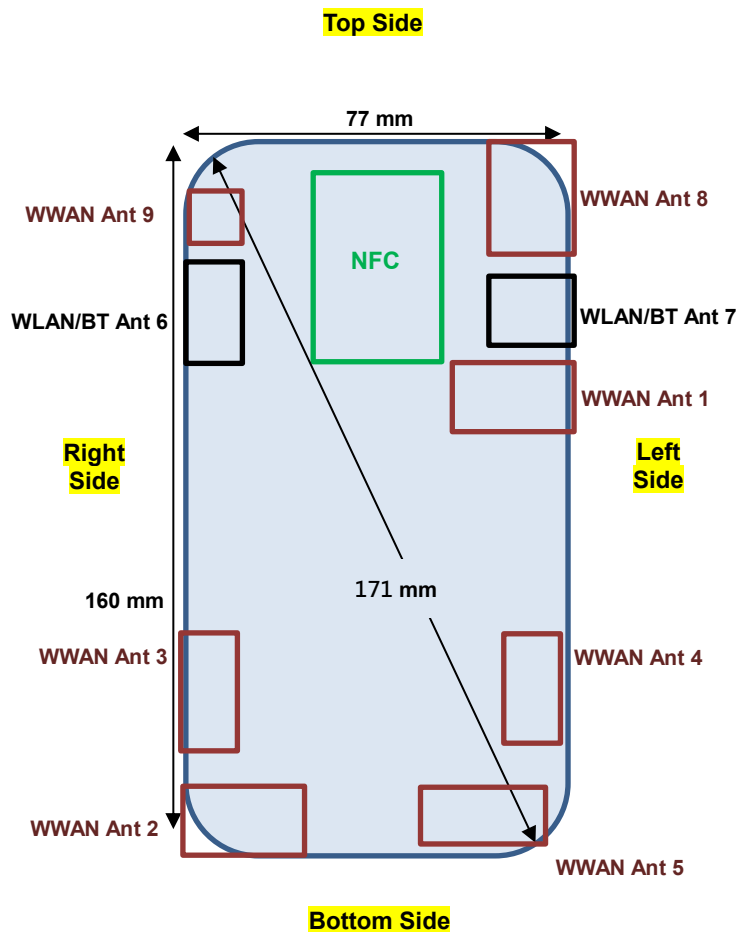
【CA_66B_Ant 1_DSI 1 (Body-worn/ Extremity)】

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	20.52	20.80
132322	132415	QPSK	1	74	1	0	20.58	20.80
132597	132504	QPSK	1	0	1	24	20.54	20.80

【CA_66C_Ant 1_DSI 1 (Body-worn/ 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	20.53	20.80
132322	132520	QPSK	1	99	1	0	20.61	20.80
132572	132374	QPSK	1	0	1	99	20.55	20.80

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 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 Antenna MIMO	≤ 25mm	≤ 25mm	≤ 25mm	≤ 25mm	≤ 25mm	≤ 25mm
WWAN Antenna 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	Yes	No	Yes	Yes
WWAN Ant 3	Yes	Yes	No	Yes	Yes	No
WWAN Ant 4	Yes	Yes	No	Yes	No	Yes
WWAN Ant 5	Yes	Yes	No	Yes	Yes	Yes
WLAN/BT Antenna MIMO	Yes	Yes	Yes	Yes	Yes	Yes
WWAN Antenna 8	Yes	Yes	Yes	No	Yes	Yes
WWAN Ant 9	Yes	Yes	Yes	No	Yes	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. Per KDB648474 D04v01r03, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm, when hotspot mode applies, 10-g product specific SAR is required.
6. Per KDB648474 D04v01r03, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm, when hotspot mode applies, 10-g product specific SAR is required only for the surfaces and edges with hotspot mode 1 -g reported SAR > 1.2 W/kg, however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold, for this device only bottom side SAR for WWAN transmitter scaled to maximum output power is higher than 1.2W/kg of GSM1900, UMTS B2, LTE B2/4/7/25/30/66 and 5G NR n2/7/25/30/38/41/48/66/77/78, therefore product specific SAR is necessary.
7. For 5.3GHz / 5.5GHz / 5.8GHz / 6GHz WLAN product specific SAR is necessary too, due to an overall diagonal dimension is > 16 cm.

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 PDinc 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 iPDn 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)
	GSM850	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2	128	824.2	Battery 1	Sample 1	25.92	26.60	1.169	-0.08	0.773	0.904
	GSM850	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2	189	836.4	Battery 1	Sample 1	25.78	26.60	1.208	-0.16	0.956	1.155
01	GSM850	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2	251	848.8	Battery 1	Sample 1	25.90	26.60	1.175	0.11	1.000	1.175
	GSM850	GPRS 4 Tx slots	Right Tilted	0mm	Ant 8	DSI 2	128	824.2	Battery 1	Sample 1	25.92	26.60	1.169	0.01	0.480	0.561
	GSM850	GPRS 4 Tx slots	Left Cheek	0mm	Ant 8	DSI 2	128	824.2	Battery 1	Sample 1	25.92	26.60	1.169	0.01	0.384	0.449
	GSM850	GPRS 4 Tx slots	Left Tilted	0mm	Ant 8	DSI 2	128	824.2	Battery 1	Sample 1	25.92	26.60	1.169	0.18	0.264	0.309
	GSM850	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2	251	848.8	Battery 1	Sample 3	25.90	26.60	1.175	-0.01	0.635	0.746
	GSM850	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2	251	848.8	Battery 1	Sample 5	25.90	26.60	1.175	0.16	0.803	0.944
	GSM850	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2	128	824.2	Battery 1	Sample 5	25.92	26.60	1.169	0.04	0.701	0.819
	GSM850	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2	189	836.4	Battery 1	Sample 5	25.78	26.60	1.208	0.01	0.765	0.924
	GSM850	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2	251	848.8	Battery 1	Sample 6	25.90	26.60	1.175	0.10	0.759	0.892
	GSM850	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2	128	824.2	Battery 1	Sample 6	25.92	26.60	1.169	-0.09	0.662	0.774
	GSM850	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2	189	836.4	Battery 1	Sample 6	25.78	26.60	1.208	-0.02	0.704	0.850
	GSM850	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2	251	848.8	Battery 1	Sample 10	25.90	26.60	1.175	0.10	0.979	1.150
	GSM850	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2	128	824.2	Battery 1	Sample 10	25.92	26.60	1.169	-0.16	0.912	1.066
	GSM850	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2	189	836.4	Battery 1	Sample 10	25.78	26.60	1.208	0.02	0.854	1.032
	GSM850	GPRS 4 Tx slots	Right Cheek	0mm	Ant 8	DSI 2	251	848.8	Battery 2	Sample 1	25.90	26.60	1.175	0.06	0.986	1.159
02	GSM1900	GPRS 2 Tx slots	Right Cheek	0mm	Ant 1	DSI 2	810	1909.8	Battery 1	Sample 1	26.19	27.50	1.352	-0.10	0.323	0.437
	GSM1900	GPRS 2 Tx slots	Right Tilted	0mm	Ant 1	DSI 2	810	1909.8	Battery 1	Sample 1	26.19	27.50	1.352	-0.13	0.090	0.122
	GSM1900	GPRS 2 Tx slots	Left Cheek	0mm	Ant 1	DSI 2	810	1909.8	Battery 1	Sample 1	26.19	27.50	1.352	-0.04	0.204	0.276
	GSM1900	GPRS 2 Tx slots	Left Tilted	0mm	Ant 1	DSI 2	810	1909.8	Battery 1	Sample 1	26.19	27.50	1.352	0.04	0.116	0.157
	GSM1900	GPRS 2 Tx slots	Right Cheek	0mm	Ant 1	DSI 2	810	1909.8	Battery 1	Sample 3	26.19	27.50	1.352	-0.14	0.300	0.406
	GSM1900	GPRS 2 Tx slots	Right Cheek	0mm	Ant 1	DSI 2	810	1909.8	Battery 1	Sample 5	26.19	27.50	1.352	0.17	0.309	0.418
	GSM1900	GPRS 2 Tx slots	Right Cheek	0mm	Ant 1	DSI 2	810	1909.8	Battery 1	Sample 6	26.19	27.50	1.352	-0.13	0.287	0.388
	GSM1900	GPRS 2 Tx slots	Right Cheek	0mm	Ant 1	DSI 2	810	1909.8	Battery 1	Sample 10	26.19	27.50	1.352	0.16	0.317	0.429
	GSM1900	GPRS 2 Tx slots	Right Cheek	0mm	Ant 1	DSI 2	810	1909.8	Battery 2	Sample 1	26.19	27.50	1.352	0.05	0.310	0.419

【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	Right Cheek	0mm	Ant 1	DSI 2	9400	1880	Battery 1	Sample 1	24.21	24.80	1.146	-0.06	1.020	1.169
03	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	9262	1852.4	Battery 1	Sample 1	24.14	24.80	1.164	-0.01	1.010	1.176
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	9538	1907.6	Battery 1	Sample 1	24.14	24.80	1.164	-0.03	0.998	1.162
	WCDMA II	RMC 12.2Kbps	Right Tilted	0mm	Ant 1	DSI 2	9400	1880	Battery 1	Sample 1	24.21	24.80	1.146	-0.01	0.287	0.329
	WCDMA II	RMC 12.2Kbps	Left Cheek	0mm	Ant 1	DSI 2	9400	1880	Battery 1	Sample 1	24.21	24.80	1.146	-0.05	0.658	0.754
	WCDMA II	RMC 12.2Kbps	Left Tilted	0mm	Ant 1	DSI 2	9400	1880	Battery 1	Sample 1	24.21	24.80	1.146	-0.03	0.313	0.359
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	9262	1852.4	Battery 1	Sample 3	24.14	24.80	1.164	-0.13	0.823	0.958
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	9400	1880	Battery 1	Sample 3	24.21	24.80	1.146	0.06	0.815	0.934
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	9538	1907.6	Battery 1	Sample 3	24.14	24.80	1.164	-0.00	0.746	0.868
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	9262	1852.4	Battery 1	Sample 5	24.14	24.80	1.164	0.05	0.749	0.872
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	9400	1880	Battery 1	Sample 5	24.21	24.80	1.146	0.02	0.698	0.800
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	9538	1907.6	Battery 1	Sample 5	24.14	24.80	1.164	0.19	0.702	0.817
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	9262	1852.4	Battery 1	Sample 6	24.14	24.80	1.164	-0.13	0.873	1.016
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	9400	1880	Battery 1	Sample 6	24.21	24.80	1.146	-0.08	0.881	1.010
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	9538	1907.6	Battery 1	Sample 6	24.14	24.80	1.164	0.09	0.753	0.876
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	9262	1852.4	Battery 1	Sample 10	24.14	24.80	1.164	0.16	0.729	0.849
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	9400	1880	Battery 1	Sample 10	24.21	24.80	1.146	0.02	0.678	0.777
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	9538	1907.6	Battery 1	Sample 10	24.14	24.80	1.164	0.01	0.699	0.814
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	9262	1852.4	Battery 2	Sample 1	24.14	24.80	1.164	0.07	0.994	1.157
04	WCDMA IV	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	1413	1732.6	Battery 1	Sample 1	24.35	25.00	1.161	0.02	0.726	0.843
	WCDMA IV	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	1312	1712.4	Battery 1	Sample 1	24.30	25.00	1.175	-0.03	0.001	0.001
	WCDMA IV	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	1513	1752.6	Battery 1	Sample 1	24.24	25.00	1.191	-0.19	0.001	0.001
	WCDMA IV	RMC 12.2Kbps	Right Tilted	0mm	Ant 1	DSI 2	1413	1732.6	Battery 1	Sample 1	24.35	25.00	1.161	0.17	0.484	0.562
	WCDMA IV	RMC 12.2Kbps	Left Cheek	0mm	Ant 1	DSI 2	1413	1732.6	Battery 1	Sample 1	24.35	25.00	1.161	0.13	0.454	0.527
	WCDMA IV	RMC 12.2Kbps	Left Tilted	0mm	Ant 1	DSI 2	1413	1732.6	Battery 1	Sample 1	24.35	25.00	1.161	-0.15	0.432	0.502
	WCDMA IV	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	1413	1732.6	Battery 1	Sample 3	24.35	25.00	1.161	0.08	0.653	0.758
	WCDMA IV	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	1413	1732.6	Battery 1	Sample 5	24.35	25.00	1.161	0.08	0.561	0.651
	WCDMA IV	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	1413	1732.6	Battery 1	Sample 6	24.35	25.00	1.161	-0.09	0.454	0.527
	WCDMA IV	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	1413	1732.6	Battery 1	Sample 10	24.35	25.00	1.161	0.12	0.675	0.784
	WCDMA IV	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	1413	1732.6	Battery 2	Sample 1	24.35	25.00	1.161	-0.04	0.711	0.825
	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	4233	846.6	Battery 1	Sample 1	24.47	25.00	1.13	-0.12	0.893	1.009
05	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	4132	826.4	Battery 1	Sample 1	24.46	25.00	1.132	0.10	0.923	1.045
	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	4182	836.4	Battery 1	Sample 1	24.42	25.00	1.143	0.09	0.885	1.012



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	WCDMA V	RMC 12.2Kbps	Right Tilted	0mm	Ant 8	DSI 2	4233	846.6	Battery 1	Sample 1	24.47	25.00	1.13	0.15	0.570	0.644
	WCDMA V	RMC 12.2Kbps	Left Cheek	0mm	Ant 8	DSI 2	4233	846.6	Battery 1	Sample 1	24.47	25.00	1.13	-0.01	0.398	0.450
	WCDMA V	RMC 12.2Kbps	Left Tilted	0mm	Ant 8	DSI 2	4233	846.6	Battery 1	Sample 1	24.47	25.00	1.13	-0.05	0.296	0.334
	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	4132	826.4	Battery 1	Sample 3	24.46	25.00	1.132	0.19	0.817	0.925
	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	4182	836.4	Battery 1	Sample 3	24.42	25.00	1.143	0.02	0.802	0.917
	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	4233	846.6	Battery 1	Sample 3	24.47	25.00	1.13	0.04	0.793	0.896
	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	4132	826.4	Battery 1	Sample 5	24.46	25.00	1.132	-0.18	0.746	0.844
	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	4182	836.4	Battery 1	Sample 5	24.42	25.00	1.143	-0.05	0.687	0.785
	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	4233	846.6	Battery 1	Sample 5	24.47	25.00	1.13	0.03	0.715	0.808
	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	4132	826.4	Battery 1	Sample 6	24.46	25.00	1.132	0.12	0.779	0.882
	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	4182	836.4	Battery 1	Sample 6	24.42	25.00	1.143	-0.10	0.723	0.826
	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	4233	846.6	Battery 1	Sample 6	24.47	25.00	1.13	0.09	0.758	0.857
	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	4132	826.4	Battery 1	Sample 10	24.46	25.00	1.132	-0.17	0.908	1.028
	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	4182	836.4	Battery 1	Sample 10	24.42	25.00	1.143	0.08	0.838	0.958
	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	4233	846.6	Battery 1	Sample 10	24.47	25.00	1.13	-0.02	0.879	0.993
	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 8	DSI 2	4132	826.4	Battery 2	Sample 1	24.46	25.00	1.132	0.05	0.908	1.028

[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 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	21350	2560	Battery 1	Sample 1	19.92	21.00	1.282			0.04	0.816	1.046
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	20850	2510	Battery 1	Sample 1	19.87	21.00	1.297			0.13	0.395	0.512
06	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	21100	2535	Battery 1	Sample 1	19.90	21.00	1.288			0.10	0.884	1.139
	LTE Band 7	20M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	21350	2560	Battery 1	Sample 1	18.90	20.00	1.288			-0.06	0.631	0.813
	LTE Band 7	20M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	20850	2510	Battery 1	Sample 1	18.82	20.00	1.312			0.02	0.312	0.409
	LTE Band 7	20M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	21100	2535	Battery 1	Sample 1	18.89	20.00	1.291			-0.05	0.694	0.896
	LTE Band 7	20M	QPSK	100	0	Right Cheek	0mm	Ant 8	DSI 2	21350	2560	Battery 1	Sample 1	18.88	20.00	1.294			-0.19	0.619	0.801
	LTE Band 7	20M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	21350	2560	Battery 1	Sample 1	19.92	21.00	1.282			0.18	0.442	0.567
	LTE Band 7	20M	QPSK	50	0	Right Tilted	0mm	Ant 8	DSI 2	21350	2560	Battery 1	Sample 1	18.90	20.00	1.288			0.16	0.341	0.439
	LTE Band 7	20M	QPSK	1	0	Left Cheek	0mm	Ant 8	DSI 2	21350	2560	Battery 1	Sample 1	19.92	21.00	1.282			-0.02	0.375	0.481
	LTE Band 7	20M	QPSK	50	0	Left Cheek	0mm	Ant 8	DSI 2	21350	2560	Battery 1	Sample 1	18.90	20.00	1.288			-0.11	0.289	0.372
	LTE Band 7	20M	QPSK	1	0	Left Tilted	0mm	Ant 8	DSI 2	21350	2560	Battery 1	Sample 1	19.92	21.00	1.282			-0.17	0.355	0.455
	LTE Band 7	20M	QPSK	50	0	Left Tilted	0mm	Ant 8	DSI 2	21350	2560	Battery 1	Sample 1	18.90	20.00	1.288			-0.14	0.272	0.350
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	21100	2535	Battery 1	Sample 3	19.90	21.00	1.288			0.03	0.800	1.030
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	20850	2510	Battery 1	Sample 3	19.87	21.00	1.297			0.06	0.378	0.490
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	21350	2560	Battery 1	Sample 3	19.92	21.00	1.282			0.05	0.769	0.986
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	21100	2535	Battery 1	Sample 5	19.90	21.00	1.288			0.14	0.796	1.025
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	20850	2510	Battery 1	Sample 5	19.87	21.00	1.297			-0.08	0.683	0.886
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	21350	2560	Battery 1	Sample 5	19.92	21.00	1.282			-0.01	0.744	0.954
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	21100	2535	Battery 1	Sample 6	19.90	21.00	1.288			-0.11	0.773	0.996
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	20850	2510	Battery 1	Sample 6	19.87	21.00	1.297			0.13	0.702	0.910
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	21350	2560	Battery 1	Sample 6	19.92	21.00	1.282			0.09	0.725	0.929
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	21100	2535	Battery 1	Sample 10	19.90	21.00	1.288			-0.03	0.792	1.020
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	20850	2510	Battery 1	Sample 10	19.87	21.00	1.297			0.15	0.695	0.901
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	21350	2560	Battery 1	Sample 10	19.92	21.00	1.282			-0.02	0.758	0.972
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	21100	2535	Battery 2	Sample 1	19.90	21.00	1.288			-0.04	0.867	1.117
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI 2	21100	2535	Battery 1	Sample 1	24.12	25.00	1.225			-0.09	0.040	0.049
	LTE Band 7	20M	QPSK	50	0	Right Cheek	0mm	Ant 5	DSI 2	21100	2535	Battery 1	Sample 1	23.34	24.00	1.164			0.01	0.031	0.036
	LTE Band 7	20M	QPSK	1	0	Right Tilted	0mm	Ant 5	DSI 2	21100	2535	Battery 1	Sample 1	24.12	25.00	1.225			0.12	0.019	0.023
	LTE Band 7	20M	QPSK	50	0	Right Tilted	0mm	Ant 5	DSI 2	21100	2535	Battery 1	Sample 1	23.34	24.00	1.164			-0.02	0.015	0.017
	LTE Band 7	20M	QPSK	1	0	Left Cheek	0mm	Ant 5	DSI 2	21100	2535	Battery 1	Sample 1	24.12	25.00	1.225			-0.19	0.023	0.028
	LTE Band 7	20M	QPSK	50	0	Left Cheek	0mm	Ant 5	DSI 2	21100	2535	Battery 1	Sample 1	23.34	24.00	1.164			-0.01	0.018	0.021
	LTE Band 7	20M	QPSK	1	0	Left Tilted	0mm	Ant 5	DSI 2	21100	2535	Battery 1	Sample 1	24.12	25.00	1.225			-0.16	0.009	0.011
	LTE Band 7	20M	QPSK	50	0	Left Tilted	0mm	Ant 5	DSI 2	21100	2535	Battery 1	Sample 1	23.34	24.00	1.164			-0.13	0.007	0.008
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI 2	21100	2535	Battery 1	Sample 3	24.12	25.00	1.225			-0.09	0.043	0.053
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI 2	21100	2535	Battery 1	Sample 5	24.12	25.00	1.225			0.13	0.037	0.045
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI 2	21100	2535	Battery 1	Sample 6	24.12	25.00	1.225			-0.14	0.025	0.031
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI 2	21100	2535	Battery 1	Sample 10	24.12	25.00	1.225			-0.17	0.031	0.038
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI 2	21100	2535	Battery 2	Sample 3	24.12	25.00	1.225			0.05	0.037	0.045
07	LTE Band 12	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23095	707.5	Battery 1	Sample 1	24.19	25.00	1.205			0.13	0.634	0.764
	LTE Band 12	10M	QPSK	25	0	Right Cheek	0mm	Ant 8	DSI 2	23095	707.5	Battery 1	Sample 1	23.19	24.00	1.205			0.09	0.495	0.596
	LTE Band 12	10M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	23095	707.5	Battery 1	Sample 1	24.19	25.00	1.205			-0.01	0.413	0.498
	LTE Band 12	10M	QPSK	25	0	Right Tilted	0mm	Ant 8	DSI 2	23095	707.5	Battery 1	Sample 1	23.19	24.00	1.205			-0.07	0.321	0.387
	LTE Band 12	10M	QPSK	1	0	Left Cheek	0mm	Ant 8	DSI 2	23095	707.5	Battery 1	Sample 1	24.19	25.00	1.205			-0.00	0.280	0.337
	LTE Band 12	10M	QPSK	25	0	Left Cheek	0mm	Ant 8	DSI 2	23095	707.5	Battery 1	Sample 1	23.19	24.00	1.205			0.16	0.215	0.259
	LTE Band 12	10M	QPSK	1	0	Left Tilted	0mm	Ant 8	DSI 2	23095	707.5	Battery 1	Sample 1	24.19	25.00	1.205			0.16	0.151	0.182
	LTE Band 12	10M	QPSK	25	0	Left Tilted	0mm	Ant 8	DSI 2	23095	707.5	Battery 1	Sample 1	23.19	24.00	1.205			-0.16	0.116	0.140
	LTE Band 12	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23095	707.5	Battery 1	Sample 3	24.19	25.00	1.205			0.14	0.569	0.686
	LTE Band 12	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23095	707.5	Battery 1	Sample 5	24.19	25.00	1.205			-0.18	0.526	0.634
	LTE Band 12	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23095	707.5	Battery 1	Sample 6	24.19	25.00	1.205			0.14	0.489	0.589

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	LTE Band 12	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23095	707.5	Battery 1	Sample 10	24.19	25.00	1.205			-0.05	0.558	0.672
	LTE Band 12	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23095	707.5	Battery 2	Sample 1	24.19	25.00	1.205			0.06	0.616	0.742
08	LTE Band 13	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23230	782	Battery 1	Sample 1	23.54	24.50	1.247			0.12	0.703	0.877
	LTE Band 13	10M	QPSK	25	0	Right Cheek	0mm	Ant 8	DSI 2	23230	782	Battery 1	Sample 1	22.65	23.50	1.216			-0.13	0.564	0.686
	LTE Band 13	10M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	23230	782	Battery 1	Sample 1	22.52	23.50	1.253			-0.17	0.540	0.677
	LTE Band 13	10M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	23230	782	Battery 1	Sample 1	23.54	24.50	1.247			-0.06	0.458	0.571
	LTE Band 13	10M	QPSK	25	0	Right Tilted	0mm	Ant 8	DSI 2	23230	782	Battery 1	Sample 1	22.65	23.50	1.216			-0.08	0.361	0.439
	LTE Band 13	10M	QPSK	1	0	Left Cheek	0mm	Ant 8	DSI 2	23230	782	Battery 1	Sample 1	23.54	24.50	1.247			-0.11	0.324	0.404
	LTE Band 13	10M	QPSK	25	0	Left Cheek	0mm	Ant 8	DSI 2	23230	782	Battery 1	Sample 1	22.65	23.50	1.216			0.19	0.255	0.310
	LTE Band 13	10M	QPSK	1	0	Left Tilted	0mm	Ant 8	DSI 2	23230	782	Battery 1	Sample 1	23.54	24.50	1.247			0.05	0.190	0.237
	LTE Band 13	10M	QPSK	25	0	Left Tilted	0mm	Ant 8	DSI 2	23230	782	Battery 1	Sample 1	22.65	23.50	1.216			-0.18	0.149	0.181
	LTE Band 13	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23230	782	Battery 1	Sample 3	23.54	24.50	1.247			0.07	0.670	0.835
	LTE Band 13	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23230	782	Battery 1	Sample 5	23.54	24.50	1.247			0.02	0.586	0.731
	LTE Band 13	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23230	782	Battery 1	Sample 6	23.54	24.50	1.247			0.03	0.589	0.734
	LTE Band 13	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23230	782	Battery 1	Sample 10	23.54	24.50	1.247			-0.16	0.665	0.829
	LTE Band 13	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23230	782	Battery 2	Sample 1	23.54	24.50	1.247			-0.09	0.658	0.821
09	LTE Band 14	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23330	793	Battery 1	Sample 1	23.71	24.50	1.199			0.14	0.716	0.858
	LTE Band 14	10M	QPSK	25	0	Right Cheek	0mm	Ant 8	DSI 2	23330	793	Battery 1	Sample 1	22.76	23.50	1.186			0.15	0.561	0.665
	LTE Band 14	10M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	23330	793	Battery 1	Sample 1	22.73	23.50	1.194			-0.16	0.557	0.665
	LTE Band 14	10M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	23330	793	Battery 1	Sample 1	23.71	24.50	1.199			-0.04	0.469	0.562
	LTE Band 14	10M	QPSK	25	0	Right Tilted	0mm	Ant 8	DSI 2	23330	793	Battery 1	Sample 1	22.76	23.50	1.186			-0.02	0.365	0.433
	LTE Band 14	10M	QPSK	1	0	Left Cheek	0mm	Ant 8	DSI 2	23330	793	Battery 1	Sample 1	23.71	24.50	1.199			-0.03	0.336	0.403
	LTE Band 14	10M	QPSK	25	0	Left Cheek	0mm	Ant 8	DSI 2	23330	793	Battery 1	Sample 1	22.76	23.50	1.186			0.03	0.262	0.311
	LTE Band 14	10M	QPSK	1	0	Left Tilted	0mm	Ant 8	DSI 2	23330	793	Battery 1	Sample 1	23.71	24.50	1.199			0.12	0.199	0.239
	LTE Band 14	10M	QPSK	25	0	Left Tilted	0mm	Ant 8	DSI 2	23330	793	Battery 1	Sample 1	22.76	23.50	1.186			0.06	0.153	0.181
	LTE Band 14	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23330	793	Battery 1	Sample 3	23.71	24.50	1.199			-0.18	0.648	0.777
	LTE Band 14	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23330	793	Battery 1	Sample 5	23.71	24.50	1.199			-0.09	0.584	0.700
	LTE Band 14	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23330	793	Battery 1	Sample 6	23.71	24.50	1.199			0.18	0.566	0.679
	LTE Band 14	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23330	793	Battery 1	Sample 10	23.71	24.50	1.199			0.14	0.646	0.775
	LTE Band 14	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	23330	793	Battery 2	Sample 1	23.71	24.50	1.199			0.11	0.681	0.817
10	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	26340	1880	Battery 1	Sample 1	24.08	24.60	1.127			-0.04	1.060	1.195
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	26140	1860	Battery 1	Sample 1	24.07	24.60	1.13			0.09	1.030	1.164
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	26590	1905	Battery 1	Sample 1	23.93	24.60	1.167			-0.03	1.020	1.190
	LTE Band 25	20M	QPSK	50	0	Right Cheek	0mm	Ant 1	DSI 2	26340	1880	Battery 1	Sample 1	23.12	24.00	1.225			-0.12	0.831	1.018
	LTE Band 25	20M	QPSK	50	0	Right Cheek	0mm	Ant 1	DSI 2	26140	1860	Battery 1	Sample 1	23.09	24.00	1.233			-0.06	0.796	0.981
	LTE Band 25	20M	QPSK	50	0	Right Cheek	0mm	Ant 1	DSI 2	26590	1905	Battery 1	Sample 1	22.98	24.00	1.265			0.00	0.800	1.012
	LTE Band 25	20M	QPSK	100	0	Right Cheek	0mm	Ant 1	DSI 2	26340	1880	Battery 1	Sample 1	23.10	24.00	1.23			-0.11	0.001	0.001
	LTE Band 25	20M	QPSK	1	0	Right Tilted	0mm	Ant 1	DSI 2	26340	1880	Battery 1	Sample 1	24.08	24.60	1.127			0.14	0.273	0.308
	LTE Band 25	20M	QPSK	50	0	Right Tilted	0mm	Ant 1	DSI 2	26340	1880	Battery 1	Sample 1	23.12	24.00	1.225			0.07	0.214	0.262
	LTE Band 25	20M	QPSK	1	0	Left Cheek	0mm	Ant 1	DSI 2	26340	1880	Battery 1	Sample 1	24.08	24.60	1.127			-0.01	0.772	0.870
	LTE Band 25	20M	QPSK	1	0	Left Cheek	0mm	Ant 1	DSI 2	26140	1860	Battery 1	Sample 1	24.07	24.60	1.13			-0.05	0.734	0.829
	LTE Band 25	20M	QPSK	1	0	Left Cheek	0mm	Ant 1	DSI 2	26590	1905	Battery 1	Sample 1	23.93	24.60	1.167			0.11	0.738	0.861
	LTE Band 25	20M	QPSK	50	0	Left Cheek	0mm	Ant 1	DSI 2	26340	1880	Battery 1	Sample 1	23.12	24.00	1.225			-0.12	0.604	0.740
	LTE Band 25	20M	QPSK	100	0	Left Cheek	0mm	Ant 1	DSI 2	26340	1880	Battery 1	Sample 1	23.10	24.00	1.23			-0.04	0.598	0.736
	LTE Band 25	20M	QPSK	1	0	Left Tilted	0mm	Ant 1	DSI 2	26340	1880	Battery 1	Sample 1	24.08	24.60	1.127			-0.17	0.274	0.309
	LTE Band 25	20M	QPSK	50	0	Left Tilted	0mm	Ant 1	DSI 2	26340	1880	Battery 1	Sample 1	23.12	24.00	1.225			0.07	0.215	0.263
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	26340	1880	Battery 1	Sample 3	24.08	24.60	1.127			0.00	0.894	1.008
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	26140	1860	Battery 1	Sample 3	24.07	24.60	1.13			0.02	0.865	0.977
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	26590	1905	Battery 1	Sample 3	23.93	24.60	1.167			-0.07	0.854	0.997
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	26340	1880	Battery 1	Sample 5	24.08	24.60	1.127			-0.14	0.876	0.987
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	26140	1860	Battery 1	Sample 5	24.07	24.60	1.13			0.06	0.812	0.918
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	26590	1905	Battery 1	Sample 5	23.93	24.60	1.167			-0.09	0.809	0.944
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	26340	1880	Battery 1	Sample 6	24.08	24.60	1.127			0.02	0.941	1.061
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	26140	1860	Battery 1	Sample 6	24.07	24.60	1.13			0.01	0.915	1.034
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	26590	1905	Battery 1	Sample 6	23.93	24.60	1.167			0.13	0.929	1.084
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	26340	1880	Battery 1	Sample 10	24.08	24.60	1.127			0.04	0.762	0.859
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	26140	1860	Battery 1	Sample 10	24.07	24.60	1.13			0.05	0.692	0.782
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	26590	1905	Battery 1	Sample 10	23.93	24.60	1.167			0.07	0.711	0.830
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	26340	1880	Battery 2	Sample 1	24.08	24.60	1.127			-0.04	1.020	1.150
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI 2	26340	1880	Battery 1	Sample 1	23.65	25.00	1.365			0.06	0.216	0.295
	LTE Band 25	20M	QPSK	50	0	Right Cheek	0mm	Ant 5	DSI 2	26340	1880	Battery 1	Sample 1	22.83	24.00	1.309			0.11	0.174	0.228
	LTE Band 25	20M	QPSK	1	0	Right Tilted	0mm	Ant 5	DSI 2	26340	1880	Battery 1	Sample 1	23.65	25.00	1.365			-0.14	0.131	0.179
	LTE Band 25	20M	QPSK	50	0	Right Tilted	0mm	Ant 5	DSI 2	26340	1880	Battery 1	Sample 1	22.83	24.00	1.309			-0.01	0.104	0.136
	LTE Band 25	20M	QPSK	1	0	Left Cheek	0mm	Ant 5	DSI 2	26340	1880	Battery 1	Sample 1	23.65	25.00	1.365			0.10	0.160	0.218
	LTE Band 25	20M	QPSK	50	0	Left Cheek	0mm	Ant 5	DSI 2	26340	1880	Battery 1	Sample 1	22.83	24.00	1.309			-0.15	0.128	0.168
	LTE Band 25	20M	QPSK	1	0	Left Tilted	0mm	Ant 5	DSI 2	26340	1880	Battery 1	Sample 1	23.65	25.00	1.365			-0.14	0.110	0.150
	LTE Band 25	20M	QPSK	50	0	Left Tilted	0mm	Ant 5	DSI 2	26340	1880	Battery 1	Sample 1	22.83	24.00	1.309			0.04	0.088	0.115
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI 2	26340	1880	Battery 1	Sample 3	23.65	25.00	1.365			0.00		



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	LTE Band 26	15M	QPSK	36	0	Right Cheek	0mm	Ant 8	DSI 2	26865	831.5	Battery 1	Sample 1	22.99	24.00	1.262			0.16	0.511	0.645
	LTE Band 26	15M	QPSK	75	0	Right Cheek	0mm	Ant 8	DSI 2	26865	831.5	Battery 1	Sample 1	22.93	24.00	1.279			-0.16	0.506	0.647
	LTE Band 26	15M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	26865	831.5	Battery 1	Sample 1	23.96	25.00	1.271			0.11	0.387	0.492
	LTE Band 26	15M	QPSK	36	0	Right Tilted	0mm	Ant 8	DSI 2	26865	831.5	Battery 1	Sample 1	22.99	24.00	1.262			-0.06	0.302	0.381
	LTE Band 26	15M	QPSK	1	0	Left Cheek	0mm	Ant 8	DSI 2	26865	831.5	Battery 1	Sample 1	23.96	25.00	1.271			0.16	0.336	0.427
	LTE Band 26	15M	QPSK	36	0	Left Cheek	0mm	Ant 8	DSI 2	26865	831.5	Battery 1	Sample 1	22.99	24.00	1.262			0.08	0.261	0.329
	LTE Band 26	15M	QPSK	1	0	Left Tilted	0mm	Ant 8	DSI 2	26865	831.5	Battery 1	Sample 1	23.96	25.00	1.271			-0.01	0.201	0.255
	LTE Band 26	15M	QPSK	36	0	Left Tilted	0mm	Ant 8	DSI 2	26865	831.5	Battery 1	Sample 1	22.99	24.00	1.262			-0.13	0.156	0.197
	LTE Band 26	15M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	26865	831.5	Battery 1	Sample 3	23.96	25.00	1.271			0.00	0.541	0.688
	LTE Band 26	15M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	26865	831.5	Battery 1	Sample 5	23.96	25.00	1.271			0.05	0.519	0.660
	LTE Band 26	15M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	26865	831.5	Battery 1	Sample 6	23.96	25.00	1.271			-0.18	0.536	0.681
	LTE Band 26	15M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	26865	831.5	Battery 1	Sample 10	23.96	25.00	1.271			0.03	0.629	0.799
	LTE Band 26	15M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	26865	831.5	Battery 2	Sample 1	23.96	25.00	1.271			0.07	0.643	0.817
	LTE Band 30	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	27710	2310	Battery 1	Sample 1	23.85	24.50	1.161			-0.12	0.819	0.951
	LTE Band 30	10M	QPSK	25	0	Right Cheek	0mm	Ant 8	DSI 2	27710	2310	Battery 1	Sample 1	22.55	23.50	1.245			0.18	0.591	0.736
	LTE Band 30	10M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	27710	2310	Battery 1	Sample 1	22.53	23.50	1.25			-0.02	0.579	0.724
	LTE Band 30	10M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	27710	2310	Battery 1	Sample 1	23.85	24.50	1.161			0.13	0.543	0.630
	LTE Band 30	10M	QPSK	25	0	Right Tilted	0mm	Ant 8	DSI 2	27710	2310	Battery 1	Sample 1	22.55	23.50	1.245			0.17	0.394	0.491
	LTE Band 30	10M	QPSK	1	0	Left Cheek	0mm	Ant 8	DSI 2	27710	2310	Battery 1	Sample 1	23.85	24.50	1.161			-0.06	0.525	0.610
	LTE Band 30	10M	QPSK	25	0	Left Cheek	0mm	Ant 8	DSI 2	27710	2310	Battery 1	Sample 1	22.55	23.50	1.245			0.15	0.382	0.476
	LTE Band 30	10M	QPSK	1	0	Left Tilted	0mm	Ant 8	DSI 2	27710	2310	Battery 1	Sample 1	23.85	24.50	1.161			-0.01	0.465	0.540
	LTE Band 30	10M	QPSK	25	0	Left Tilted	0mm	Ant 8	DSI 2	27710	2310	Battery 1	Sample 1	22.55	23.50	1.245			-0.13	0.336	0.418
	LTE Band 30	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	27710	2310	Battery 1	Sample 3	23.85	24.50	1.161			0.03	0.857	0.995
	LTE Band 30	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	27710	2310	Battery 1	Sample 5	23.85	24.50	1.161			0.15	0.850	0.987
12	LTE Band 30	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	27710	2310	Battery 1	Sample 6	23.85	24.50	1.161			-0.01	0.862	1.001
	LTE Band 30	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	27710	2310	Battery 1	Sample 10	23.85	24.50	1.161			0.09	0.850	0.987
	LTE Band 30	10M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	27710	2310	Battery 2	Sample 6	23.85	24.50	1.161			0.06	0.845	0.981
	LTE Band 30	10M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI 2	27710	2310	Battery 1	Sample 1	23.78	24.50	1.18			-0.09	0.122	0.144
	LTE Band 30	10M	QPSK	25	0	Right Cheek	0mm	Ant 5	DSI 2	27710	2310	Battery 1	Sample 1	23.00	23.50	1.122			0.08	0.098	0.110
	LTE Band 30	10M	QPSK	1	0	Right Tilted	0mm	Ant 5	DSI 2	27710	2310	Battery 1	Sample 1	23.78	24.50	1.18			-0.04	0.064	0.076
	LTE Band 30	10M	QPSK	25	0	Right Tilted	0mm	Ant 5	DSI 2	27710	2310	Battery 1	Sample 1	23.00	23.50	1.122			0.13	0.051	0.057
	LTE Band 30	10M	QPSK	1	0	Left Cheek	0mm	Ant 5	DSI 2	27710	2310	Battery 1	Sample 1	23.78	24.50	1.18			0.19	0.093	0.110
	LTE Band 30	10M	QPSK	25	0	Left Cheek	0mm	Ant 5	DSI 2	27710	2310	Battery 1	Sample 1	23.00	23.50	1.122			-0.02	0.074	0.083
	LTE Band 30	10M	QPSK	1	0	Left Tilted	0mm	Ant 5	DSI 2	27710	2310	Battery 1	Sample 1	23.78	24.50	1.18			0.14	0.056	0.066
	LTE Band 30	10M	QPSK	25	0	Left Tilted	0mm	Ant 5	DSI 2	27710	2310	Battery 1	Sample 1	23.00	23.50	1.122			0.06	0.045	0.050
	LTE Band 30	10M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI 2	27710	2310	Battery 1	Sample 3	23.78	24.50	1.18			0.06	0.082	0.097
	LTE Band 30	10M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI 2	27710	2310	Battery 1	Sample 5	23.78	24.50	1.18			-0.18	0.091	0.107
	LTE Band 30	10M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI 2	27710	2310	Battery 1	Sample 6	23.78	24.50	1.18			-0.16	0.098	0.116
	LTE Band 30	10M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI 2	27710	2310	Battery 1	Sample 10	23.78	24.50	1.18			-0.18	0.046	0.054
	LTE Band 30	10M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI 2	27710	2310	Battery 2	Sample 1	23.78	24.50	1.18			0.08	0.118	0.139
13	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	132322	1745	Battery 1	Sample 1	24.17	25.00	1.211			0.04	0.687	0.832
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	132072	1720	Battery 1	Sample 1	24.13	25.00	1.222			0.15	0.646	0.789
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	132572	1770	Battery 1	Sample 1	24.08	25.00	1.236			0.09	0.622	0.769
	LTE Band 66	20M	QPSK	50	0	Right Cheek	0mm	Ant 1	DSI 2	132322	1745	Battery 1	Sample 1	23.20	24.00	1.202			-0.14	0.536	0.644
	LTE Band 66	20M	QPSK	100	0	Right Cheek	0mm	Ant 1	DSI 2	132322	1745	Battery 1	Sample 1	23.17	24.00	1.211			0.18	0.523	0.633
	LTE Band 66	20M	QPSK	1	0	Right Tilted	0mm	Ant 1	DSI 2	132322	1745	Battery 1	Sample 1	24.17	25.00	1.211			0.08	0.406	0.492
	LTE Band 66	20M	QPSK	50	0	Right Tilted	0mm	Ant 1	DSI 2	132322	1745	Battery 1	Sample 1	23.20	24.00	1.202			-0.01	0.317	0.381
	LTE Band 66	20M	QPSK	1	0	Left Cheek	0mm	Ant 1	DSI 2	132322	1745	Battery 1	Sample 1	24.17	25.00	1.211			0.15	0.433	0.524
	LTE Band 66	20M	QPSK	50	0	Left Cheek	0mm	Ant 1	DSI 2	132322	1745	Battery 1	Sample 1	23.20	24.00	1.202			-0.11	0.336	0.404
	LTE Band 66	20M	QPSK	1	0	Left Tilted	0mm	Ant 1	DSI 2	132322	1745	Battery 1	Sample 1	24.17	25.00	1.211			-0.18	0.473	0.573
	LTE Band 66	20M	QPSK	50	0	Left Tilted	0mm	Ant 1	DSI 2	132322	1745	Battery 1	Sample 1	23.20	24.00	1.202			-0.13	0.370	0.445
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	132322	1745	Battery 1	Sample 3	24.17	25.00	1.211			0.09	0.592	0.717
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	132322	1745	Battery 1	Sample 5	24.17	25.00	1.211			0.09	0.516	0.625
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	132322	1745	Battery 1	Sample 6	24.17	25.00	1.211			-0.07	0.581	0.704
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	132322	1745	Battery 1	Sample 10	24.17	25.00	1.211			-0.00	0.677	0.820
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	132072	1720	Battery 1	Sample 10	24.13	25.00	1.222			0.03	0.631	0.771
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	132572	1770	Battery 1	Sample 10	24.08	25.00	1.236			-0.16	0.628	0.776
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	132322	1745	Battery 2	Sample 1	24.17	25.00	1.211			0.01	0.662	0.802
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI 2	132322	1745	Battery 1	Sample 1	23.67	25.00	1.358			-0.15	0.142	0.193
	LTE Band 66	20M	QPSK	50	0	Right Cheek	0mm	Ant 5	DSI 2	132322	1745	Battery 1	Sample 1	22.94	24.00	1.276			-0.18	0.116	0.148
	LTE Band 66	20M	QPSK	1	0	Right Tilted	0mm	Ant 5	DSI 2	132322	1745	Battery 1	Sample 1	23.67	25.00	1.358			-0.04	0.091	0.124
	LTE Band 66	20M	QPSK	50	0	Right Tilted	0mm	Ant 5	DSI 2	132322	1745	Battery 1	Sample 1	22.94	24.00	1.276			0.18	0.074	0.094
	LTE Band 66	20M	QPSK	1	0	Left Cheek	0mm	Ant 5	DSI 2	132322	1745	Battery 1	Sample 1	23.67	25.00	1.358			-0.07	0.086	0.117
	LTE Band 66	20M	QPSK	50	0	Left Cheek	0mm	Ant 5	DSI 2	132322	1745	Battery 1	Sample 1	22.94	24.00	1.276			-0.01	0.070	0.089
	LTE Band 66	20M	QPSK	1	0	Left Tilted	0mm	Ant 5	DSI 2	132322	1745	Battery 1	Sample 1	23.67	25.00	1.358			0.08	0.083	0.113
	LTE Band 66	20M	QPSK	50	0	Left Tilted	0mm	Ant 5	DSI 2	132322	1745	Battery 1	Sample 1	22.94	24.00	1.276			-0.18	0.067	0.085
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI 2	132322	1745	Battery 1	Sample 3	23.67	25.00	1.358			0.09	0.220	0.299
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI 2	132322	1745										



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	LTE Band 71	20M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	133297	680.5	Battery 1	Sample 1	24.03	25.00	1.25			-0.05	0.144	0.180
	LTE Band 71	20M	QPSK	50	0	Right Tilted	0mm	Ant 8	DSI 2	133297	680.5	Battery 1	Sample 1	22.86	24.00	1.3			0.10	0.105	0.137
	LTE Band 71	20M	QPSK	1	0	Left Cheek	0mm	Ant 8	DSI 2	133297	680.5	Battery 1	Sample 1	24.03	25.00	1.25			0.10	0.091	0.114
	LTE Band 71	20M	QPSK	50	0	Left Cheek	0mm	Ant 8	DSI 2	133297	680.5	Battery 1	Sample 1	22.86	24.00	1.3			0.12	0.067	0.087
	LTE Band 71	20M	QPSK	1	0	Left Tilted	0mm	Ant 8	DSI 2	133297	680.5	Battery 1	Sample 1	24.03	25.00	1.25			-0.18	0.068	0.085
	LTE Band 71	20M	QPSK	50	0	Left Tilted	0mm	Ant 8	DSI 2	133297	680.5	Battery 1	Sample 1	22.86	24.00	1.3			0.02	0.049	0.064
	LTE Band 71	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	133297	680.5	Battery 1	Sample 3	24.03	25.00	1.25			0.07	0.195	0.244
	LTE Band 71	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	133297	680.5	Battery 1	Sample 5	24.03	25.00	1.25			0.08	0.176	0.220
	LTE Band 71	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	133297	680.5	Battery 1	Sample 6	24.03	25.00	1.25			-0.04	0.177	0.221
	LTE Band 71	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	133297	680.5	Battery 1	Sample 10	24.03	25.00	1.25			0.13	0.202	0.253
	LTE Band 71	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	133297	680.5	Battery 2	Sample 1	24.03	25.00	1.25			-0.07	0.218	0.273
	LTE Band 106	3M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	134322	899	Battery 1	Sample 1	21.72	22.20	1.117			-0.05	0.816	0.911
	LTE Band 106	3M	QPSK	8	0	Right Cheek	0mm	Ant 8	DSI 2	134322	899	Battery 1	Sample 1	20.70	21.20	1.122			0.19	0.639	0.717
	LTE Band 106	3M	QPSK	15	0	Right Cheek	0mm	Ant 8	DSI 2	134322	899	Battery 1	Sample 1	20.66	21.20	1.132			-0.06	0.776	0.878
	LTE Band 106	3M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	134322	899	Battery 1	Sample 1	21.72	22.20	1.117			0.17	0.587	0.656
	LTE Band 106	3M	QPSK	8	0	Right Tilted	0mm	Ant 8	DSI 2	134322	899	Battery 1	Sample 1	20.70	21.20	1.122			0.05	0.452	0.507
	LTE Band 106	3M	QPSK	1	0	Left Cheek	0mm	Ant 8	DSI 2	134322	899	Battery 1	Sample 1	21.72	22.20	1.117			0.15	0.404	0.451
	LTE Band 106	3M	QPSK	8	0	Left Cheek	0mm	Ant 8	DSI 2	134322	899	Battery 1	Sample 1	20.70	21.20	1.122			-0.09	0.310	0.348
	LTE Band 106	3M	QPSK	1	0	Left Tilted	0mm	Ant 8	DSI 2	134322	899	Battery 1	Sample 1	21.72	22.20	1.117			-0.17	0.324	0.362
	LTE Band 106	3M	QPSK	8	0	Left Tilted	0mm	Ant 8	DSI 2	134322	899	Battery 1	Sample 1	20.70	21.20	1.122			-0.00	0.250	0.281
	LTE Band 106	3M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	134322	899	Battery 1	Sample 3	21.72	22.20	1.117			-0.02	0.778	0.869
	LTE Band 106	3M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	134322	899	Battery 1	Sample 5	21.72	22.20	1.117			0.09	0.759	0.848
	LTE Band 106	3M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	134322	899	Battery 1	Sample 6	21.72	22.20	1.117			-0.15	0.783	0.875
15	LTE Band 106	3M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	134322	899	Battery 1	Sample 10	21.72	22.20	1.117			0.08	1.050	1.173
	LTE Band 106	3M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	134322	899	Battery 2	Sample 10	21.72	22.20	1.117			0.06	1.020	1.139
	LTE Band 70	15M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	133047	1702.5	Battery 1	Sample 1	24.16	25.00	1.213			-0.17	0.663	0.804
	LTE Band 70	15M	QPSK	36	0	Right Cheek	0mm	Ant 1	DSI 2	133047	1702.5	Battery 1	Sample 1	23.19	24.00	1.205			-0.02	0.518	0.624
	LTE Band 70	15M	QPSK	75	0	Right Cheek	0mm	Ant 1	DSI 2	133047	1702.5	Battery 1	Sample 1	23.15	24.00	1.216			0.02	0.504	0.613
	LTE Band 70	15M	QPSK	1	0	Right Tilted	0mm	Ant 1	DSI 2	133047	1702.5	Battery 1	Sample 1	24.16	25.00	1.213			-0.11	0.338	0.410
	LTE Band 70	15M	QPSK	36	0	Right Tilted	0mm	Ant 1	DSI 2	133047	1702.5	Battery 1	Sample 1	23.19	24.00	1.205			-0.04	0.263	0.317
	LTE Band 70	15M	QPSK	1	0	Left Cheek	0mm	Ant 1	DSI 2	133047	1702.5	Battery 1	Sample 1	24.16	25.00	1.213			0.17	0.431	0.523
	LTE Band 70	15M	QPSK	36	0	Left Cheek	0mm	Ant 1	DSI 2	133047	1702.5	Battery 1	Sample 1	23.19	24.00	1.205			0.05	0.336	0.405
	LTE Band 70	15M	QPSK	1	0	Left Tilted	0mm	Ant 1	DSI 2	133047	1702.5	Battery 1	Sample 1	24.16	25.00	1.213			0.09	0.362	0.439
	LTE Band 70	15M	QPSK	36	0	Left Tilted	0mm	Ant 1	DSI 2	133047	1702.5	Battery 1	Sample 1	23.19	24.00	1.205			-0.02	0.282	0.340
	LTE Band 70	15M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	133047	1702.5	Battery 1	Sample 3	24.16	25.00	1.213			0.17	0.609	0.739
	LTE Band 70	15M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	133047	1702.5	Battery 1	Sample 5	24.16	25.00	1.213			0.08	0.571	0.693
	LTE Band 70	15M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	133047	1702.5	Battery 1	Sample 6	24.16	25.00	1.213			0.03	0.634	0.769
16	LTE Band 70	15M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	133047	1702.5	Battery 1	Sample 10	24.16	25.00	1.213			0.05	0.792	0.961
	LTE Band 70	15M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	133047	1702.5	Battery 2	Sample 10	24.16	25.00	1.213			0.07	0.766	0.929
	LTE Band 70	15M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI 2	133047	1702.5	Battery 1	Sample 1	23.55	25.00	1.396			0.10	0.058	0.081
	LTE Band 70	15M	QPSK	36	0	Right Cheek	0mm	Ant 5	DSI 2	133047	1702.5	Battery 1	Sample 1	22.84	24.00	1.306			-0.05	0.046	0.060
	LTE Band 70	15M	QPSK	1	0	Right Tilted	0mm	Ant 5	DSI 2	133047	1702.5	Battery 1	Sample 1	23.55	25.00	1.396			-0.08	0.040	0.056
	LTE Band 70	15M	QPSK	36	0	Right Tilted	0mm	Ant 5	DSI 2	133047	1702.5	Battery 1	Sample 1	22.84	24.00	1.306			-0.07	0.031	0.040
	LTE Band 70	15M	QPSK	1	0	Left Cheek	0mm	Ant 5	DSI 2	133047	1702.5	Battery 1	Sample 1	23.55	25.00	1.396			-0.07	0.053	0.074
	LTE Band 70	15M	QPSK	36	0	Left Cheek	0mm	Ant 5	DSI 2	133047	1702.5	Battery 1	Sample 1	22.84	24.00	1.306			0.16	0.042	0.055
	LTE Band 70	15M	QPSK	1	0	Left Tilted	0mm	Ant 5	DSI 2	133047	1702.5	Battery 1	Sample 1	23.55	25.00	1.396			-0.10	0.029	0.040
	LTE Band 70	15M	QPSK	36	0	Left Tilted	0mm	Ant 5	DSI 2	133047	1702.5	Battery 1	Sample 1	22.84	24.00	1.306			-0.09	0.023	0.030
	LTE Band 70	15M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI 2	133047	1702.5	Battery 1	Sample 3	23.55	25.00	1.396			-0.10	0.096	0.134
	LTE Band 70	15M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI 2	133047	1702.5	Battery 1	Sample 5	23.55	25.00	1.396			-0.01	0.062	0.087
	LTE Band 70	15M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI 2	133047	1702.5	Battery 1	Sample 6	23.55	25.00	1.396			0.01	0.071	0.099
	LTE Band 70	15M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI 2	133047	1702.5	Battery 1	Sample 10	23.55	25.00	1.396			-0.02	0.115	0.161
	LTE Band 70	15M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI 2	133047	1702.5	Battery 2	Sample 10	23.55	25.00	1.396			-0.08	0.097	0.135
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	40620	2593	Battery 1	Sample 1	21.96	23.00	1.271	62.9	1.006	-0.03	0.804	1.028
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	39750	2506	Battery 1	Sample 1	21.67	23.00	1.358	62.9	1.006	-0.10	0.417	0.570
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	40185	2549.5	Battery 1	Sample 1	21.66	23.00	1.361	62.9	1.006	-0.15	0.792	1.084
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	41055	2636.5	Battery 1	Sample 1	21.91	23.00	1.285	62.9	1.006	0.14	0.845	1.092
17	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	41490	2680	Battery 1	Sample 1	21.85	23.00	1.303	62.9	1.006	-0.05	0.875	1.147
	LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	40620	2593	Battery 1	Sample 1	20.92	22.00	1.282	62.9	1.006	0.01	0.621	0.801
	LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	39750	2506	Battery 1	Sample 1	20.64	22.00	1.368	62.9	1.006	0.17	0.318	0.438
	LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	40185	2549.5	Battery 1	Sample 1	20.63	22.00	1.371	62.9	1.006	-0.01	0.615	0.848
	LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	41055	2636.5	Battery 1	Sample 1	20.90	22.00	1.288	62.9	1.006	0.16	0.654	0.847
	LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	41490	2680	Battery 1	Sample 1	20.81	22.00	1.315	62.9	1.006	0.13	0.667	0.882
	LTE Band 41	20M	QPSK	100	0	Right Cheek	0mm	Ant 8	DSI 2	40620	2593	Battery 1	Sample 1	20.90	22.00	1.288	62.9	1.006	0.03	0.612	0.793
	LTE Band 41	20M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	40620	2593	Battery 1	Sample 1	21.96	23.00	1.271	62.9	1.006	-0.05	0.458	0.586
	LTE Band 41	20M	QPSK	50	0	Right Tilted	0mm	Ant 8	DSI 2	40620	2593	Battery 1	Sample 1	20.92	22.00	1.282	62.9	1.006	0.06	0.368	0.475
	LTE Band 41	20M	QPSK	1	0	Left Cheek	0mm	Ant 8	DSI 2	40620	2593	Battery 1	Sample 1	21.96	23.00	1.271	62.9	1.006	-0.00	0.392	0.501
	LTE Band 41	20M	QPSK	50	0	Left Cheek															



FCC SAR TEST REPORT

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	LTE Band 41 HPUE	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	41055	2636.5	Battery 1	Sample 1	23.81	24.60	1.199	42.9	1.009	-0.03	0.857	1.037
	LTE Band 41 HPUE	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	41490	2680	Battery 1	Sample 1	23.79	24.60	1.205	42.9	1.009	-0.04	0.882	1.072
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	41490	2680	Battery 1	Sample 3	21.85	23.00	1.303	62.9	1.006	0.07	0.745	0.977
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	39750	2506	Battery 1	Sample 3	21.67	23.00	1.358	62.9	1.006	0.06	0.336	0.459
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	40185	2549.5	Battery 1	Sample 3	21.66	23.00	1.361	62.9	1.006	0.01	0.718	0.983
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	40620	2593	Battery 1	Sample 3	21.96	23.00	1.271	62.9	1.006	-0.05	0.723	0.924
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	41055	2636.5	Battery 1	Sample 3	21.91	23.00	1.285	62.9	1.006	-0.09	0.739	0.955
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	41490	2680	Battery 1	Sample 5	21.85	23.00	1.303	62.9	1.006	0.04	0.810	1.062
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	39750	2506	Battery 1	Sample 5	21.67	23.00	1.358	62.9	1.006	0.00	0.355	0.485
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	40185	2549.5	Battery 1	Sample 5	21.66	23.00	1.361	62.9	1.006	-0.07	0.721	0.987
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	40620	2593	Battery 1	Sample 5	21.96	23.00	1.271	62.9	1.006	0.13	0.736	0.941
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	41055	2636.5	Battery 1	Sample 5	21.91	23.00	1.285	62.9	1.006	0.06	0.789	1.020
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	41490	2680	Battery 1	Sample 6	21.85	23.00	1.303	62.9	1.006	-0.08	0.822	1.077
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	39750	2506	Battery 1	Sample 6	21.67	23.00	1.358	62.9	1.006	-0.02	0.362	0.495
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	40185	2549.5	Battery 1	Sample 6	21.66	23.00	1.361	62.9	1.006	-0.02	0.718	0.983
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	40620	2593	Battery 1	Sample 6	21.96	23.00	1.271	62.9	1.006	-0.05	0.744	0.951
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	41055	2636.5	Battery 1	Sample 6	21.91	23.00	1.285	62.9	1.006	0.18	0.806	1.042
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	41490	2680	Battery 1	Sample 10	21.85	23.00	1.303	62.9	1.006	0.06	0.774	1.015
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	39750	2506	Battery 1	Sample 10	21.67	23.00	1.358	62.9	1.006	0.19	0.691	0.944
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	40185	2549.5	Battery 1	Sample 10	21.66	23.00	1.361	62.9	1.006	-0.00	0.682	0.934
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	40620	2593	Battery 1	Sample 10	21.96	23.00	1.271	62.9	1.006	-0.05	0.735	0.940
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	41055	2636.5	Battery 1	Sample 10	21.91	23.00	1.285	62.9	1.006	-0.04	0.739	0.955
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	41490	2680	Battery 2	Sample 1	21.85	23.00	1.303	62.9	1.006	-0.06	0.854	1.119
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI 2	40620	2593	Battery 1	Sample 1	22.82	23.00	1.042	62.9	1.006	0.13	0.042	0.044
	LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 5	DSI 2	40620	2593	Battery 1	Sample 1	22.75	23.00	1.059	62.9	1.006	0.07	0.032	0.034
	LTE Band 41	20M	QPSK	1	0	Right Tilted	0mm	Ant 5	DSI 2	40620	2593	Battery 1	Sample 1	22.82	23.00	1.042	62.9	1.006	-0.05	0.019	0.020
	LTE Band 41	20M	QPSK	50	0	Right Tilted	0mm	Ant 5	DSI 2	40620	2593	Battery 1	Sample 1	22.75	23.00	1.059	62.9	1.006	0.18	0.014	0.015
	LTE Band 41	20M	QPSK	1	0	Left Cheek	0mm	Ant 5	DSI 2	40620	2593	Battery 1	Sample 1	22.82	23.00	1.042	62.9	1.006	-0.10	0.046	0.048
	LTE Band 41	20M	QPSK	50	0	Left Cheek	0mm	Ant 5	DSI 2	40620	2593	Battery 1	Sample 1	22.75	23.00	1.059	62.9	1.006	0.10	0.034	0.036
	LTE Band 41	20M	QPSK	1	0	Left Tilted	0mm	Ant 5	DSI 2	40620	2593	Battery 1	Sample 1	22.82	23.00	1.042	62.9	1.006	0.01	0.024	0.025
	LTE Band 41	20M	QPSK	50	0	Left Tilted	0mm	Ant 5	DSI 2	40620	2593	Battery 1	Sample 1	22.75	23.00	1.059	62.9	1.006	0.18	0.018	0.019
	LTE Band 41 HPUE	20M	QPSK	1	0	Left Cheek	0mm	Ant 5	DSI 2	40620	2593	Battery 1	Sample 1	24.89	25.00	1.026	42.9	1.009	-0.03	0.041	0.042
	LTE Band 41	20M	QPSK	1	0	Left Cheek	0mm	Ant 5	DSI 2	40620	2593	Battery 1	Sample 3	22.82	23.00	1.042	62.9	1.006	0.03	0.056	0.059
	LTE Band 41 HPUE	20M	QPSK	1	0	Left Cheek	0mm	Ant 5	DSI 2	40620	2593	Battery 1	Sample 3	24.89	25.00	1.026	42.9	1.009	0.09	0.056	0.058
	LTE Band 41	20M	QPSK	1	0	Left Cheek	0mm	Ant 5	DSI 2	40620	2593	Battery 1	Sample 5	22.82	23.00	1.042	62.9	1.006	0.06	0.030	0.031
	LTE Band 41	20M	QPSK	1	0	Left Cheek	0mm	Ant 5	DSI 2	40620	2593	Battery 1	Sample 6	22.82	23.00	1.042	62.9	1.006	0.07	0.034	0.036
	LTE Band 41	20M	QPSK	1	0	Left Cheek	0mm	Ant 5	DSI 2	40620	2593	Battery 1	Sample 10	22.82	23.00	1.042	62.9	1.006	-0.12	0.053	0.056
	LTE Band 41	20M	QPSK	1	0	Left Cheek	0mm	Ant 5	DSI 2	40620	2593	Battery 2	Sample 3	22.82	23.00	1.042	62.9	1.006	0.02	0.051	0.053
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	55340	3560	Battery 1	Sample 1	22.52	23.20	1.169	62.9	1.006	0.11	0.976	1.148
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	55830	3609	Battery 1	Sample 1	22.08	23.20	1.294	62.9	1.006	-0.01	0.808	1.052
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	55990	3625	Battery 1	Sample 1	22.04	23.20	1.306	62.9	1.006	0.04	0.719	0.945
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	56150	3641	Battery 1	Sample 1	21.70	23.20	1.413	62.9	1.006	-0.01	0.672	0.955
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	56640	3690	Battery 1	Sample 1	22.03	23.20	1.309	62.9	1.006	0.15	0.511	0.673
	LTE Band 48	20M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	55340	3560	Battery 1	Sample 1	21.52	22.20	1.169	62.9	1.006	-0.04	0.859	1.010
	LTE Band 48	20M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	55830	3609	Battery 1	Sample 1	21.10	22.20	1.288	62.9	1.006	0.06	0.631	0.818
	LTE Band 48	20M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	55990	3625	Battery 1	Sample 1	21.03	22.20	1.309	62.9	1.006	-0.04	0.556	0.732
	LTE Band 48	20M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	56150	3641	Battery 1	Sample 1	20.78	22.20	1.387	62.9	1.006	-0.13	0.529	0.738
	LTE Band 48	20M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	56640	3690	Battery 1	Sample 1	21.07	22.20	1.297	62.9	1.006	-0.09	0.400	0.522
	LTE Band 48	20M	QPSK	100	0	Right Cheek	0mm	Ant 8	DSI 2	55340	3560	Battery 1	Sample 1	21.46	22.20	1.186	62.9	1.006	0.14	0.751	0.896
	LTE Band 48	20M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	55340	3560	Battery 1	Sample 1	22.52	23.20	1.169	62.9	1.006	0.14	0.568	0.668
	LTE Band 48	20M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	55830	3609	Battery 1	Sample 1	22.08	23.20	1.294	62.9	1.006	-0.14	0.503	0.655
	LTE Band 48	20M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	55990	3625	Battery 1	Sample 1	22.04	23.20	1.306	62.9	1.006	-0.17	0.466	0.612
	LTE Band 48	20M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	56150	3641	Battery 1	Sample 1	21.70	23.20	1.413	62.9	1.006	0.07	0.434	0.617
	LTE Band 48	20M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	56640	3690	Battery 1	Sample 1	22.03	23.20	1.309	62.9	1.006	-0.11	0.392	0.516
	LTE Band 48	20M	QPSK	50	0	Right Tilted	0mm	Ant 8	DSI 2	55340	3560	Battery 1	Sample 1	21.52	22.20	1.169	62.9	1.006	0.14	0.445	0.523
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 8	DSI 2	55340	3560	Battery 1	Sample 1	22.52	23.20	1.169	62.9	1.006	0.16	0.341	0.401
	LTE Band 48	20M	QPSK	50	0	Left Cheek	0mm	Ant 8	DSI 2	55340	3560	Battery 1	Sample 1	21.52	22.20	1.169	62.9	1.006	-0.06	0.303	0.356
	LTE Band 48	20M	QPSK	1	0	Left Tilted	0mm	Ant 8	DSI 2	55340	3560	Battery 1	Sample 1	22.52	23.20	1.169	62.9	1.006	-0.05	0.282	0.332
	LTE Band 48	20M	QPSK	50	0	Left Tilted	0mm	Ant 8	DSI 2	55340	3560	Battery 1	Sample 1	21.52	22.20	1.169	62.9	1.006	-0.19	0.250	0.294
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	55340	3560	Battery 1	Sample 3	22.52	23.20	1.169	62.9	1.006	0.11	0.949	1.116
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	55830	3609	Battery 1	Sample 3	22.08	23.20	1.294	62.9	1.006	0.06	0.822	1.070
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	55990	3625	Battery 1	Sample 3	22.04	23.20	1.306	62.9	1.006	-0.04	0.705	0.926
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	56150	3641	Battery 1	Sample 3	21.70	23.20	1.413	62.9	1.006	0.02	0.685	0.974
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	56640	3690	Battery 1	Sample 3	22.03	23.20	1.309	62.9</				



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	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	55990	3625	Battery 1	Sample 6	22.04	23.20	1.306	62.9	1.006	-0.03	0.702	0.922
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	56150	3641	Battery 1	Sample 6	21.70	23.20	1.413	62.9	1.006	0.05	0.683	0.971
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	56640	3690	Battery 1	Sample 6	22.03	23.20	1.309	62.9	1.006	0.13	0.644	0.848
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	55340	3560	Battery 1	Sample 10	22.52	23.20	1.169	62.9	1.006	0.11	0.913	1.074
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	55830	3609	Battery 1	Sample 10	22.08	23.20	1.294	62.9	1.006	0.12	0.798	1.039
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	55990	3625	Battery 1	Sample 10	22.04	23.20	1.306	62.9	1.006	-0.04	0.715	0.939
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	56150	3641	Battery 1	Sample 10	21.70	23.20	1.413	62.9	1.006	0.09	0.635	0.903
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	56640	3690	Battery 1	Sample 10	22.03	23.20	1.309	62.9	1.006	-0.06	0.492	0.648
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	55340	3560	Battery 2	Sample 1	22.52	23.20	1.169	62.9	1.006	0.07	0.963	1.133
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 9	DSI 2	56640	3690	Battery 1	Sample 1	21.09	21.20	1.026	62.9	1.006	-0.07	0.391	0.404
	LTE Band 48	20M	QPSK	50	0	Right Cheek	0mm	Ant 9	DSI 2	56640	3690	Battery 1	Sample 1	20.99	21.20	1.05	62.9	1.006	-0.07	0.371	0.392
	LTE Band 48	20M	QPSK	1	0	Right Tilted	0mm	Ant 9	DSI 2	56640	3690	Battery 1	Sample 1	21.09	21.20	1.026	62.9	1.006	0.11	0.338	0.349
	LTE Band 48	20M	QPSK	50	0	Right Tilted	0mm	Ant 9	DSI 2	56640	3690	Battery 1	Sample 1	20.99	21.20	1.05	62.9	1.006	0.01	0.325	0.343
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	56640	3690	Battery 1	Sample 1	21.09	21.20	1.026	62.9	1.006	-0.17	0.805	0.831
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	55340	3560	Battery 1	Sample 1	20.99	21.20	1.05	62.9	1.006	-0.18	0.710	0.750
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	55830	3609	Battery 1	Sample 1	20.67	21.20	1.13	62.9	1.006	-0.01	0.818	0.930
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	55990	3625	Battery 1	Sample 1	20.74	21.20	1.112	62.9	1.006	0.18	0.793	0.887
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	56150	3641	Battery 1	Sample 1	20.76	21.20	1.107	62.9	1.006	-0.18	0.748	0.833
	LTE Band 48	20M	QPSK	50	0	Left Cheek	0mm	Ant 9	DSI 2	56640	3690	Battery 1	Sample 1	20.99	21.20	1.05	62.9	1.006	0.03	0.772	0.815
	LTE Band 48	20M	QPSK	50	0	Left Cheek	0mm	Ant 9	DSI 2	55340	3560	Battery 1	Sample 1	20.97	21.20	1.054	62.9	1.006	0.03	0.694	0.736
	LTE Band 48	20M	QPSK	50	0	Left Cheek	0mm	Ant 9	DSI 2	55830	3609	Battery 1	Sample 1	20.63	21.20	1.14	62.9	1.006	-0.04	0.792	0.908
	LTE Band 48	20M	QPSK	50	0	Left Cheek	0mm	Ant 9	DSI 2	55990	3625	Battery 1	Sample 1	20.73	21.20	1.114	62.9	1.006	0.02	0.772	0.865
	LTE Band 48	20M	QPSK	50	0	Left Cheek	0mm	Ant 9	DSI 2	56150	3641	Battery 1	Sample 1	20.74	21.20	1.112	62.9	1.006	0.06	0.731	0.818
	LTE Band 48	20M	QPSK	100	0	Left Cheek	0mm	Ant 9	DSI 2	56640	3690	Battery 1	Sample 1	20.90	21.20	1.072	62.9	1.006	0.07	0.743	0.801
	LTE Band 48	20M	QPSK	1	0	Left Tilted	0mm	Ant 9	DSI 2	56640	3690	Battery 1	Sample 1	21.09	21.20	1.026	62.9	1.006	-0.02	0.496	0.512
	LTE Band 48	20M	QPSK	50	0	Left Tilted	0mm	Ant 9	DSI 2	56640	3690	Battery 1	Sample 1	20.99	21.20	1.05	62.9	1.006	0.17	0.477	0.504
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	55830	3609	Battery 1	Sample 3	20.67	21.20	1.13	62.9	1.006	0.08	0.913	1.038
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	55340	3560	Battery 1	Sample 3	20.99	21.20	1.05	62.9	1.006	0.02	0.807	0.852
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	55990	3625	Battery 1	Sample 3	20.74	21.20	1.112	62.9	1.006	0.01	0.888	0.993
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	56150	3641	Battery 1	Sample 3	20.76	21.20	1.107	62.9	1.006	-0.04	0.837	0.932
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	56640	3690	Battery 1	Sample 3	21.09	21.20	1.026	62.9	1.006	0.09	0.899	0.928
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	55830	3609	Battery 1	Sample 5	20.67	21.20	1.13	62.9	1.006	0.15	0.951	1.081
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	55340	3560	Battery 1	Sample 5	20.99	21.20	1.05	62.9	1.006	-0.00	0.845	0.893
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	55990	3625	Battery 1	Sample 5	20.74	21.20	1.112	62.9	1.006	0.07	0.862	0.964
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	56150	3641	Battery 1	Sample 5	20.76	21.20	1.107	62.9	1.006	0.11	0.900	1.002
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	56640	3690	Battery 1	Sample 5	21.09	21.20	1.026	62.9	1.006	-0.08	0.862	0.890
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	55830	3609	Battery 1	Sample 6	20.67	21.20	1.13	62.9	1.006	-0.06	0.812	0.923
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	55340	3560	Battery 1	Sample 6	20.99	21.20	1.05	62.9	1.006	0.03	0.752	0.794
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	55990	3625	Battery 1	Sample 6	20.74	21.20	1.112	62.9	1.006	0.15	0.842	0.942
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	56150	3641	Battery 1	Sample 6	20.76	21.20	1.107	62.9	1.006	-0.06	0.825	0.919
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	56640	3690	Battery 1	Sample 6	21.09	21.20	1.026	62.9	1.006	0.04	0.702	0.725
18	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	55830	3609	Battery 1	Sample 10	20.67	21.20	1.13	62.9	1.006	0.04	1.040	1.182
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	55340	3560	Battery 1	Sample 10	20.99	21.20	1.05	62.9	1.006	0.08	0.903	0.954
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	55990	3625	Battery 1	Sample 10	20.74	21.20	1.112	62.9	1.006	0.13	0.881	0.986
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	56150	3641	Battery 1	Sample 10	20.76	21.20	1.107	62.9	1.006	-0.06	0.925	1.030
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 9	DSI 2	55830	3609	Battery 2	Sample 10	20.67	21.20	1.13	62.9	1.006	0.00	0.968	1.100

[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 n7	50M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	507000	2535	Battery 1	Sample 1	22.15	22.40	1.059	0.09	1.070	1.133
	FR1 n7	50M	BPSK	135	68	Right Cheek	0mm	Ant 8	DSI 2	507000	2535	Battery 1	Sample 1	22.12	22.40	1.067	0.07	1.020	1.088
	FR1 n7	50M	BPSK	270	0	Right Cheek	0mm	Ant 8	DSI 2	507000	2535	Battery 1	Sample 1	22.10	22.40	1.072	-0.19	1.030	1.104
	FR1 n7	50M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2	507000	2535	Battery 1	Sample 1	22.15	22.40	1.059	0.10	0.656	0.695
	FR1 n7	50M	BPSK	135	68	Right Tilted	0mm	Ant 8	DSI 2	507000	2535	Battery 1	Sample 1	22.12	22.40	1.067	0.13	0.633	0.675
	FR1 n7	50M	BPSK	1	1	Left Cheek	0mm	Ant 8	DSI 2	507000	2535	Battery 1	Sample 1	22.15	22.40	1.059	-0.18	0.554	0.587
	FR1 n7	50M	BPSK	135	68	Left Cheek	0mm	Ant 8	DSI 2	507000	2535	Battery 1	Sample 1	22.12	22.40	1.067	0.10	0.537	0.573
	FR1 n7	50M	BPSK	1	1	Left Tilted	0mm	Ant 8	DSI 2	507000	2535	Battery 1	Sample 1	22.15	22.40	1.059	-0.15	0.528	0.559
	FR1 n7	50M	BPSK	135	68	Left Tilted	0mm	Ant 8	DSI 2	507000	2535	Battery 1	Sample 1	22.12	22.40	1.067	-0.08	0.512	0.546
	FR1 n7	50M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	507000	2535	Battery 1	Sample 3	22.15	22.40	1.059	0.03	1.050	1.112
19	FR1 n7	50M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	507000	2535	Battery 1	Sample 5	22.15	22.40	1.059	0.05	1.130	1.197
	FR1 n7	50M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	507000	2535	Battery 1	Sample 6	22.15	22.40	1.059	-0.13	1.080	1.144
	FR1 n7	50M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	507000	2535	Battery 1	Sample 10	22.15	22.40	1.059	-0.05	1.060	1.123
	FR1 n7	50M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	507000	2535	Battery 2	Sample 5	22.15	22.40	1.059	0.06	1.070	1.133
	FR1 n7	50M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	507000	2535	Battery 1	Sample 1	24.39	25.00	1.151	-0.07	0.026	0.030
	FR1 n7	50M	BPSK	135	68	Right Cheek	0mm	Ant 5	DSI 2	507000	2535	Battery 1	Sample 1	24.38	25.00	1.153	-0.04	0.022	0.025
	FR1 n7	50M	BPSK	1	1	Right Tilted	0mm	Ant 5	DSI 2	507000	2535	Battery 1	Sample 1	24.39	25.00	1.151	0.02	0.015	0.017
	FR1 n7	50M	BPSK	135	68	Right Tilted	0mm	Ant 5	DSI 2	507000	2535	Battery 1	Sample 1	24.38	25.00	1.153	-0.13	0.010	0.012
	FR1 n7	50M	BPSK	1	1	Left Cheek	0mm	Ant 5	DSI 2	507000	2535	Battery 1	Sample 1	24.39	25.00	1.151	0.08	0.011	0.013
	FR1 n7	50M	BPSK	135	68	Left Cheek	0mm	Ant 5	DSI 2	507000	2535	Battery 1	Sample 1	24.38	25.00	1.153	0.14	0.007	0.008



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	FR1 n7	50M	BPSK	1	1	Left Tilted	0mm	Ant 5	DSI 2	507000	2535	Battery 1	Sample 1	24.39	25.00	1.151	0.07	0.005	0.006
	FR1 n7	50M	BPSK	135	68	Left Tilted	0mm	Ant 5	DSI 2	507000	2535	Battery 1	Sample 1	24.38	25.00	1.153	0.19	0.002	0.002
	FR1 n7	50M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	507000	2535	Battery 1	Sample 3	24.39	25.00	1.151	0.01	0.027	0.031
	FR1 n7	50M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	507000	2535	Battery 1	Sample 5	24.39	25.00	1.151	0.00	0.019	0.022
	FR1 n7	50M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	507000	2535	Battery 1	Sample 6	24.39	25.00	1.151	-0.08	0.014	0.016
	FR1 n7	50M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	507000	2535	Battery 1	Sample 10	24.39	25.00	1.151	0.11	0.016	0.018
	FR1 n7	50M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	507000	2535	Battery 2	Sample 3	24.39	25.00	1.151	0.06	0.020	0.023
	FR1 n12	15M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	141500	707.5	Battery 1	Sample 1	24.00	25.00	1.259	0.07	0.688	0.866
	FR1 n12	15M	BPSK	36	22	Right Cheek	0mm	Ant 8	DSI 2	141500	707.5	Battery 1	Sample 1	23.80	25.00	1.318	0.18	0.640	0.844
	FR1 n12	15M	BPSK	75	0	Right Cheek	0mm	Ant 8	DSI 2	141500	707.5	Battery 1	Sample 1	23.58	24.50	1.236	-0.14	0.601	0.743
	FR1 n12	15M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2	141500	707.5	Battery 1	Sample 1	24.00	25.00	1.259	-0.09	0.420	0.529
	FR1 n12	15M	BPSK	36	22	Right Tilted	0mm	Ant 8	DSI 2	141500	707.5	Battery 1	Sample 1	23.80	25.00	1.318	-0.11	0.389	0.513
	FR1 n12	15M	BPSK	1	1	Left Cheek	0mm	Ant 8	DSI 2	141500	707.5	Battery 1	Sample 1	24.00	25.00	1.259	-0.18	0.331	0.417
	FR1 n12	15M	BPSK	36	22	Left Cheek	0mm	Ant 8	DSI 2	141500	707.5	Battery 1	Sample 1	23.80	25.00	1.318	0.08	0.307	0.405
	FR1 n12	15M	BPSK	1	1	Left Tilted	0mm	Ant 8	DSI 2	141500	707.5	Battery 1	Sample 1	24.00	25.00	1.259	0.10	0.210	0.264
	FR1 n12	15M	BPSK	36	22	Left Tilted	0mm	Ant 8	DSI 2	141500	707.5	Battery 1	Sample 1	23.80	25.00	1.318	-0.09	0.195	0.257
	FR1 n12	15M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	141500	707.5	Battery 1	Sample 3	24.00	25.00	1.259	-0.08	0.648	0.816
20	FR1 n12	15M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	141500	707.5	Battery 1	Sample 5	24.00	25.00	1.259	0.10	0.723	0.910
	FR1 n12	15M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	141500	707.5	Battery 1	Sample 6	24.00	25.00	1.259	-0.08	0.636	0.801
	FR1 n12	15M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	141500	707.5	Battery 1	Sample 10	24.00	25.00	1.259	0.05	0.693	0.872
	FR1 n12	15M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	141500	707.5	Battery 2	Sample 5	24.00	25.00	1.259	0.05	0.716	0.901
21	FR1 n13	10M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	156400	782	Battery 1	Sample 1	23.26	24.50	1.33	0.03	0.689	0.916
	FR1 n13	10M	BPSK	25	14	Right Cheek	0mm	Ant 8	DSI 2	156400	782	Battery 1	Sample 1	23.23	24.50	1.34	-0.11	0.659	0.883
	FR1 n13	10M	BPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	156400	782	Battery 1	Sample 1	22.83	24.00	1.309	0.08	0.603	0.789
	FR1 n13	10M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2	156400	782	Battery 1	Sample 1	23.26	24.50	1.33	0.13	0.414	0.551
	FR1 n13	10M	BPSK	25	14	Right Tilted	0mm	Ant 8	DSI 2	156400	782	Battery 1	Sample 1	23.23	24.50	1.34	-0.15	0.398	0.533
	FR1 n13	10M	BPSK	1	1	Left Cheek	0mm	Ant 8	DSI 2	156400	782	Battery 1	Sample 1	23.26	24.50	1.33	0.05	0.333	0.443
	FR1 n13	10M	BPSK	25	14	Left Cheek	0mm	Ant 8	DSI 2	156400	782	Battery 1	Sample 1	23.23	24.50	1.34	0.06	0.317	0.425
	FR1 n13	10M	BPSK	1	1	Left Tilted	0mm	Ant 8	DSI 2	156400	782	Battery 1	Sample 1	23.26	24.50	1.33	-0.10	0.215	0.286
	FR1 n13	10M	BPSK	25	14	Left Tilted	0mm	Ant 8	DSI 2	156400	782	Battery 1	Sample 1	23.23	24.50	1.34	-0.18	0.206	0.276
	FR1 n13	10M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	156400	782	Battery 1	Sample 3	23.26	24.50	1.33	-0.16	0.625	0.831
	FR1 n13	10M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	156400	782	Battery 1	Sample 5	23.26	24.50	1.33	0.01	0.672	0.894
	FR1 n13	10M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	156400	782	Battery 1	Sample 6	23.26	24.50	1.33	0.10	0.534	0.710
	FR1 n13	10M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	156400	782	Battery 1	Sample 10	23.26	24.50	1.33	0.08	0.677	0.900
	FR1 n13	10M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	156400	782	Battery 2	Sample 1	23.26	24.50	1.33	0.00	0.674	0.896
	FR1 n14	10M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	158600	793	Battery 1	Sample 1	23.23	24.50	1.34	0.00	0.692	0.927
	FR1 n14	10M	BPSK	25	14	Right Cheek	0mm	Ant 8	DSI 2	158600	793	Battery 1	Sample 1	23.08	24.50	1.387	-0.06	0.645	0.895
	FR1 n14	10M	BPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	158600	793	Battery 1	Sample 1	22.63	24.00	1.371	-0.05	0.578	0.792
	FR1 n14	10M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2	158600	793	Battery 1	Sample 1	23.23	24.50	1.34	-0.02	0.457	0.612
	FR1 n14	10M	BPSK	25	14	Right Tilted	0mm	Ant 8	DSI 2	158600	793	Battery 1	Sample 1	23.08	24.50	1.387	-0.18	0.426	0.591
	FR1 n14	10M	BPSK	1	1	Left Cheek	0mm	Ant 8	DSI 2	158600	793	Battery 1	Sample 1	23.23	24.50	1.34	0.16	0.345	0.462
	FR1 n14	10M	BPSK	25	14	Left Cheek	0mm	Ant 8	DSI 2	158600	793	Battery 1	Sample 1	23.08	24.50	1.387	0.12	0.316	0.438
	FR1 n14	10M	BPSK	1	1	Left Tilted	0mm	Ant 8	DSI 2	158600	793	Battery 1	Sample 1	23.23	24.50	1.34	-0.04	0.232	0.311
	FR1 n14	10M	BPSK	25	14	Left Tilted	0mm	Ant 8	DSI 2	158600	793	Battery 1	Sample 1	23.08	24.50	1.387	0.07	0.209	0.290
	FR1 n14	10M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	158600	793	Battery 1	Sample 3	23.23	24.50	1.34	-0.16	0.721	0.966
22	FR1 n14	10M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	158600	793	Battery 1	Sample 5	23.23	24.50	1.34	0.10	0.756	1.013
	FR1 n14	10M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	158600	793	Battery 1	Sample 6	23.23	24.50	1.34	0.06	0.696	0.933
	FR1 n14	10M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	158600	793	Battery 1	Sample 10	23.23	24.50	1.34	0.11	0.688	0.922
	FR1 n14	10M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	158600	793	Battery 2	Sample 5	23.23	24.50	1.34	-0.04	0.739	0.990
23	FR1 n25	40M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	376500	1882.5	Battery 1	Sample 1	24.17	24.50	1.079	-0.05	1.100	1.187
	FR1 n25	40M	BPSK	108	54	Right Cheek	0mm	Ant 1	DSI 2	376500	1882.5	Battery 1	Sample 1	24.12	24.50	1.091	0.08	1.040	1.135
	FR1 n25	40M	BPSK	216	0	Right Cheek	0mm	Ant 1	DSI 2	376500	1882.5	Battery 1	Sample 1	23.40	24.50	1.288	0.15	0.868	1.118
	FR1 n25	40M	BPSK	1	1	Right Tilted	0mm	Ant 1	DSI 2	376500	1882.5	Battery 1	Sample 1	24.17	24.50	1.079	0.07	0.303	0.327
	FR1 n25	40M	BPSK	108	54	Right Tilted	0mm	Ant 1	DSI 2	376500	1882.5	Battery 1	Sample 1	24.12	24.50	1.091	-0.10	0.292	0.319
	FR1 n25	40M	BPSK	1	1	Left Cheek	0mm	Ant 1	DSI 2	376500	1882.5	Battery 1	Sample 1	24.17	24.50	1.079	0.00	0.754	0.814
	FR1 n25	40M	BPSK	108	54	Left Cheek	0mm	Ant 1	DSI 2	376500	1882.5	Battery 1	Sample 1	24.12	24.50	1.091	-0.07	0.723	0.789
	FR1 n25	40M	BPSK	216	0	Left Cheek	0mm	Ant 1	DSI 2	376500	1882.5	Battery 1	Sample 1	23.40	24.50	1.288	0.06	0.605	0.779
	FR1 n25	40M	BPSK	1	1	Left Tilted	0mm	Ant 1	DSI 2	376500	1882.5	Battery 1	Sample 1	24.17	24.50	1.079	0.15	0.288	0.311
	FR1 n25	40M	BPSK	108	54	Left Tilted	0mm	Ant 1	DSI 2	376500	1882.5	Battery 1	Sample 1	24.12	24.50	1.091	-0.06	0.276	0.301
	FR1 n25	40M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	376500	1882.5	Battery 1	Sample 3	24.17	24.50	1.079	0.03	0.987	1.065
	FR1 n25	40M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	376500	1882.5	Battery 1	Sample 5	24.17	24.50	1.079	-0.14	0.852	0.919
	FR1 n25	40M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	376500	1882.5	Battery 1	Sample 6	24.17	24.50	1.079	0.13	1.060	1.144
	FR1 n25	40M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	376500	1882.5	Battery 1	Sample 10	24.17	24.50	1.079	-0.10	0.924	0.997
	FR1 n25	40M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	376500	1882.5	Battery 2	Sample 1	24.17	24.50	1.079	0.06	1.040	1.122
	FR1 n25	40M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	376500	1882.5	Battery 1	Sample 1	23.90	25.00	1.288	-0.06	0.130	0.167
	FR1 n25	40M	BPSK	108	54	Right Cheek	0mm	Ant 5	DSI 2	376500	1882.5	Battery 1	Sample 1	23.78	25.00	1.324	0.00	0.122	0.162
	FR1 n25	40M	BPSK	1	1	Right Tilted	0mm	Ant 5	DSI 2	376500	1882.5	Battery 1	Sample 1	23.90	25.00	1.288	0.02	0.092	0.118
	FR1 n25	40M	BPSK	108	54	Right Tilted	0mm	Ant 5	DSI 2	376500	1882.5	Battery 1	Sample 1	23.78	25.00	1.324	0.03	0.086	0.114
	FR1 n25	40M	BPSK	1	1	Left Cheek	0mm	Ant 5	DSI 2	376500	1882.5	Battery 1	Sample 1	23.90	25.00	1.288	0.04	0.104	0.134
	FR1 n25	40M	BPSK	108	54	Left Cheek	0mm	Ant 5	DSI 2	376500	1882.5	Battery 1	Sample 1	23.78	25.00	1.324	-0.04	0.094	0.124
	FR1 n25	40M	BPSK	1	1	Left Tilted	0mm	Ant 5	DSI 2	376500	1882.5	Battery 1							



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	FR1 n25	40M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	376500	1882.5	Battery 1	Sample 5	23.90	25.00	1.288	-0.12	0.136	0.175
	FR1 n25	40M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	376500	1882.5	Battery 1	Sample 6	23.90	25.00	1.288	-0.08	0.128	0.165
	FR1 n25	40M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	376500	1882.5	Battery 1	Sample 10	23.90	25.00	1.288	-0.05	0.128	0.165
	FR1 n25	40M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	376500	1882.5	Battery 2	Sample 5	23.90	25.00	1.288	-0.14	0.125	0.161
	FR1 n26	20M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	166300	831.5	Battery 1	Sample 1	23.98	24.80	1.208	0.04	0.768	0.928
	FR1 n26	20M	BPSK	50	28	Right Cheek	0mm	Ant 8	DSI 2	166300	831.5	Battery 1	Sample 1	23.84	24.80	1.247	0.11	0.725	0.904
	FR1 n26	20M	BPSK	100	0	Right Cheek	0mm	Ant 8	DSI 2	166300	831.5	Battery 1	Sample 1	23.60	24.50	1.23	-0.13	0.667	0.820
	FR1 n26	20M	BPSK	1	1	Left Tilted	0mm	Ant 8	DSI 2	166300	831.5	Battery 1	Sample 1	23.98	24.80	1.208	-0.17	0.474	0.573
	FR1 n26	20M	BPSK	50	28	Right Tilted	0mm	Ant 8	DSI 2	166300	831.5	Battery 1	Sample 1	23.84	24.80	1.247	0.18	0.448	0.559
	FR1 n26	20M	BPSK	1	1	Left Cheek	0mm	Ant 8	DSI 2	166300	831.5	Battery 1	Sample 1	23.98	24.80	1.208	0.05	0.394	0.476
	FR1 n26	20M	BPSK	50	28	Left Cheek	0mm	Ant 8	DSI 2	166300	831.5	Battery 1	Sample 1	23.84	24.80	1.247	-0.14	0.371	0.463
	FR1 n26	20M	BPSK	1	1	Left Tilted	0mm	Ant 8	DSI 2	166300	831.5	Battery 1	Sample 1	23.98	24.80	1.208	0.12	0.269	0.325
	FR1 n26	20M	BPSK	50	28	Left Tilted	0mm	Ant 8	DSI 2	166300	831.5	Battery 1	Sample 1	23.84	24.80	1.247	0.18	0.253	0.315
	FR1 n26	20M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	166300	831.5	Battery 1	Sample 3	23.98	24.80	1.208	0.14	0.706	0.853
	FR1 n26	20M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	166300	831.5	Battery 1	Sample 5	23.98	24.80	1.208	-0.09	0.761	0.919
	FR1 n26	20M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	166300	831.5	Battery 1	Sample 6	23.98	24.80	1.208	-0.19	0.724	0.875
24	FR1 n26	20M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	166300	831.5	Battery 1	Sample 10	23.98	24.80	1.208	-0.09	0.858	1.036
	FR1 n26	20M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	166300	831.5	Battery 2	Sample 10	23.98	24.80	1.208	-0.06	0.834	1.007
	FR1 n30	10M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	462000	2310	Battery 1	Sample 1	24.01	24.50	1.119	0.05	0.857	0.959
	FR1 n30	10M	BPSK	25	14	Right Cheek	0mm	Ant 8	DSI 2	462000	2310	Battery 1	Sample 1	24.00	24.50	1.122	-0.01	0.828	0.929
	FR1 n30	10M	BPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	462000	2310	Battery 1	Sample 1	23.65	24.00	1.084	0.02	0.770	0.835
	FR1 n30	10M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2	462000	2310	Battery 1	Sample 1	24.01	24.50	1.119	0.06	0.579	0.648
	FR1 n30	10M	BPSK	25	14	Right Tilted	0mm	Ant 8	DSI 2	462000	2310	Battery 1	Sample 1	24.00	24.50	1.122	-0.11	0.564	0.633
	FR1 n30	10M	BPSK	1	1	Left Cheek	0mm	Ant 8	DSI 2	462000	2310	Battery 1	Sample 1	24.01	24.50	1.119	-0.16	0.530	0.593
	FR1 n30	10M	BPSK	25	14	Left Cheek	0mm	Ant 8	DSI 2	462000	2310	Battery 1	Sample 1	24.00	24.50	1.122	-0.14	0.511	0.573
	FR1 n30	10M	BPSK	1	1	Left Tilted	0mm	Ant 8	DSI 2	462000	2310	Battery 1	Sample 1	24.01	24.50	1.119	0.01	0.488	0.546
	FR1 n30	10M	BPSK	25	14	Left Tilted	0mm	Ant 8	DSI 2	462000	2310	Battery 1	Sample 1	24.00	24.50	1.122	-0.07	0.475	0.533
	FR1 n30	10M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	462000	2310	Battery 1	Sample 3	24.01	24.50	1.119	0.15	0.846	0.947
	FR1 n30	10M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	462000	2310	Battery 1	Sample 5	24.01	24.50	1.119	-0.01	0.906	1.014
	FR1 n30	10M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	462000	2310	Battery 1	Sample 6	24.01	24.50	1.119	0.17	0.904	1.012
25	FR1 n30	10M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	462000	2310	Battery 1	Sample 10	24.01	24.50	1.119	0.01	0.989	1.107
	FR1 n30	10M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	462000	2310	Battery 2	Sample 10	24.01	24.50	1.119	-0.04	0.972	1.088
	FR1 n30	10M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	462000	2310	Battery 1	Sample 1	24.05	24.50	1.109	0.01	0.105	0.116
	FR1 n30	10M	BPSK	25	14	Right Cheek	0mm	Ant 5	DSI 2	462000	2310	Battery 1	Sample 1	23.95	24.50	1.135	0.15	0.101	0.115
	FR1 n30	10M	BPSK	1	1	Right Tilted	0mm	Ant 5	DSI 2	462000	2310	Battery 1	Sample 1	24.05	24.50	1.109	-0.18	0.055	0.061
	FR1 n30	10M	BPSK	25	14	Right Tilted	0mm	Ant 5	DSI 2	462000	2310	Battery 1	Sample 1	23.95	24.50	1.135	0.10	0.048	0.054
	FR1 n30	10M	BPSK	1	1	Left Cheek	0mm	Ant 5	DSI 2	462000	2310	Battery 1	Sample 1	24.05	24.50	1.109	-0.14	0.072	0.080
	FR1 n30	10M	BPSK	25	14	Left Cheek	0mm	Ant 5	DSI 2	462000	2310	Battery 1	Sample 1	23.95	24.50	1.135	-0.01	0.068	0.077
	FR1 n30	10M	BPSK	1	1	Left Tilted	0mm	Ant 5	DSI 2	462000	2310	Battery 1	Sample 1	24.05	24.50	1.109	-0.07	0.051	0.057
	FR1 n30	10M	BPSK	25	14	Left Tilted	0mm	Ant 5	DSI 2	462000	2310	Battery 1	Sample 1	23.95	24.50	1.135	0.12	0.045	0.051
	FR1 n30	10M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	462000	2310	Battery 1	Sample 3	24.05	24.50	1.109	-0.10	0.080	0.089
	FR1 n30	10M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	462000	2310	Battery 1	Sample 5	24.05	24.50	1.109	0.19	0.086	0.095
	FR1 n30	10M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	462000	2310	Battery 1	Sample 6	24.05	24.50	1.109	-0.07	0.073	0.081
	FR1 n30	10M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	462000	2310	Battery 1	Sample 10	24.05	24.50	1.109	0.07	0.043	0.048
	FR1 n30	10M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	462000	2310	Battery 2	Sample 1	24.05	24.50	1.109	0.06	0.096	0.106
	FR1 n66	40M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	349000	1745	Battery 1	Sample 1	24.20	25.00	1.202	0.06	0.655	0.787
	FR1 n66	40M	BPSK	108	54	Right Cheek	0mm	Ant 1	DSI 2	349000	1745	Battery 1	Sample 1	24.05	25.00	1.245	-0.14	0.617	0.768
	FR1 n66	40M	BPSK	1	1	Right Tilted	0mm	Ant 1	DSI 2	349000	1745	Battery 1	Sample 1	24.20	25.00	1.202	-0.18	0.477	0.573
	FR1 n66	40M	BPSK	108	54	Right Tilted	0mm	Ant 1	DSI 2	349000	1745	Battery 1	Sample 1	24.05	25.00	1.245	0.05	0.454	0.565
	FR1 n66	40M	BPSK	1	1	Left Cheek	0mm	Ant 1	DSI 2	349000	1745	Battery 1	Sample 1	24.20	25.00	1.202	-0.09	0.427	0.513
	FR1 n66	40M	BPSK	108	54	Left Cheek	0mm	Ant 1	DSI 2	349000	1745	Battery 1	Sample 1	24.05	25.00	1.245	0.12	0.401	0.499
	FR1 n66	40M	BPSK	1	1	Left Tilted	0mm	Ant 1	DSI 2	349000	1745	Battery 1	Sample 1	24.20	25.00	1.202	0.00	0.410	0.493
	FR1 n66	40M	BPSK	108	54	Left Tilted	0mm	Ant 1	DSI 2	349000	1745	Battery 1	Sample 1	24.05	25.00	1.245	-0.17	0.390	0.486
	FR1 n66	40M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	349000	1745	Battery 1	Sample 3	24.20	25.00	1.202	0.09	0.620	0.745
	FR1 n66	40M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	349000	1745	Battery 1	Sample 5	24.20	25.00	1.202	0.16	0.527	0.633
26	FR1 n66	40M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	349000	1745	Battery 1	Sample 6	24.20	25.00	1.202	-0.02	0.678	0.815
	FR1 n66	40M	BPSK	108	54	Right Cheek	0mm	Ant 1	DSI 2	349000	1745	Battery 1	Sample 6	24.05	25.00	1.245	0.06	0.634	0.789
	FR1 n66	40M	BPSK	216	0	Right Cheek	0mm	Ant 1	DSI 2	349000	1745	Battery 1	Sample 6	23.81	24.50	1.172	-0.04	0.602	0.706
	FR1 n66	40M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	349000	1745	Battery 1	Sample 10	24.20	25.00	1.202	0.02	0.661	0.795
	FR1 n66	40M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	349000	1745	Battery 2	Sample 6	24.20	25.00	1.202	0.06	0.661	0.795
	FR1 n66	40M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	349000	1745	Battery 1	Sample 1	23.92	25.00	1.282	0.05	0.189	0.242
	FR1 n66	40M	BPSK	108	54	Right Cheek	0mm	Ant 5	DSI 2	349000	1745	Battery 1	Sample 1	23.73	25.00	1.34	-0.09	0.174	0.233
	FR1 n66	40M	BPSK	1	1	Right Tilted	0mm	Ant 5	DSI 2	349000	1745	Battery 1	Sample 1	23.92	25.00	1.282	0.05	0.112	0.144
	FR1 n66	40M	BPSK	108	54	Right Tilted	0mm	Ant 5	DSI 2	349000	1745	Battery 1	Sample 1	23.73	25.00	1.34	-0.02	0.103	0.138
	FR1 n66	40M	BPSK	1	1	Left Cheek	0mm	Ant 5	DSI 2	349000	1745	Battery 1	Sample 1	23.92	25.00	1.282	0.11	0.121	0.155
	FR1 n66	40M	BPSK	108	54	Left Cheek	0mm	Ant 5	DSI 2	349000	1745	Battery 1	Sample 1	23.73	25.00	1.34	0.04	0.111	0.149
	FR1 n66	40M	BPSK	1	1	Left Tilted	0mm	Ant 5	DSI 2	349000	1745	Battery 1	Sample 1	23.92	25.00	1.282	-0.01	0.095	0.122
	FR1 n66	40M	BPSK	108	54	Left Tilted	0mm	Ant 5	DSI 2	349000	1745	Battery 1	Sample 1	23.73	25.00	1.34	-0.09	0.085	0.114
	FR1 n66	40M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	349000	1745	Battery 1	Sample 3	23.92	25.00	1.282	-0.03	0.212	0.272
	FR1 n66	40M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	349000	1745	Battery 1	Sample 5	23.92	25.00	1.282	-0.01	0.211	0.271
	FR1 n66	40M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	349000	17								



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	FR1 n70	15M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	340500	1702.5	Battery 1	Sample 1	24.23	25.00	1.194	0.03	0.526	0.628
	FR1 n70	15M	BPSK	36	22	Right Cheek	0mm	Ant 1	DSI 2	340500	1702.5	Battery 1	Sample 1	24.21	25.00	1.199	-0.00	0.511	0.613
	FR1 n70	15M	BPSK	1	1	Right Tilted	0mm	Ant 1	DSI 2	340500	1702.5	Battery 1	Sample 1	24.23	25.00	1.194	-0.04	0.314	0.375
	FR1 n70	15M	BPSK	36	22	Right Tilted	0mm	Ant 1	DSI 2	340500	1702.5	Battery 1	Sample 1	24.21	25.00	1.199	-0.09	0.302	0.362
	FR1 n70	15M	BPSK	1	1	Left Cheek	0mm	Ant 1	DSI 2	340500	1702.5	Battery 1	Sample 1	24.23	25.00	1.194	-0.08	0.346	0.413
	FR1 n70	15M	BPSK	36	22	Left Cheek	0mm	Ant 1	DSI 2	340500	1702.5	Battery 1	Sample 1	24.21	25.00	1.199	0.07	0.332	0.398
	FR1 n70	15M	BPSK	1	1	Left Tilted	0mm	Ant 1	DSI 2	340500	1702.5	Battery 1	Sample 1	24.23	25.00	1.194	0.12	0.341	0.407
	FR1 n70	15M	BPSK	36	22	Left Tilted	0mm	Ant 1	DSI 2	340500	1702.5	Battery 1	Sample 1	24.21	25.00	1.199	-0.06	0.332	0.398
	FR1 n70	15M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	340500	1702.5	Battery 1	Sample 3	24.23	25.00	1.194	0.11	0.484	0.578
	FR1 n70	15M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	340500	1702.5	Battery 1	Sample 5	24.23	25.00	1.194	0.04	0.458	0.547
	FR1 n70	15M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	340500	1702.5	Battery 1	Sample 6	24.23	25.00	1.194	-0.01	0.512	0.611
27	FR1 n70	15M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	340500	1702.5	Battery 1	Sample 10	24.23	25.00	1.194	-0.05	0.747	0.892
	FR1 n70	15M	BPSK	36	22	Right Cheek	0mm	Ant 1	DSI 2	340500	1702.5	Battery 1	Sample 10	24.21	25.00	1.199	0.06	0.725	0.869
	FR1 n70	15M	BPSK	75	0	Right Cheek	0mm	Ant 1	DSI 2	340500	1702.5	Battery 1	Sample 10	24.03	24.50	1.114	0.09	0.698	0.778
	FR1 n70	15M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	340500	1702.5	Battery 2	Sample 10	24.23	25.00	1.194	-0.06	0.738	0.881
	FR1 n70	15M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	340500	1702.5	Battery 1	Sample 1	23.92	25.00	1.282	0.15	0.038	0.049
	FR1 n70	15M	BPSK	36	22	Right Cheek	0mm	Ant 5	DSI 2	340500	1702.5	Battery 1	Sample 1	23.90	25.00	1.288	0.07	0.035	0.045
	FR1 n70	15M	BPSK	1	1	Right Tilted	0mm	Ant 5	DSI 2	340500	1702.5	Battery 1	Sample 1	23.92	25.00	1.282	0.05	0.027	0.035
	FR1 n70	15M	BPSK	36	22	Right Tilted	0mm	Ant 5	DSI 2	340500	1702.5	Battery 1	Sample 1	23.90	25.00	1.288	-0.06	0.025	0.032
	FR1 n70	15M	BPSK	1	1	Left Cheek	0mm	Ant 5	DSI 2	340500	1702.5	Battery 1	Sample 1	23.92	25.00	1.282	-0.07	0.032	0.041
	FR1 n70	15M	BPSK	36	22	Left Cheek	0mm	Ant 5	DSI 2	340500	1702.5	Battery 1	Sample 1	23.90	25.00	1.288	0.08	0.030	0.039
	FR1 n70	15M	BPSK	1	1	Left Tilted	0mm	Ant 5	DSI 2	340500	1702.5	Battery 1	Sample 1	23.92	25.00	1.282	0.12	0.016	0.021
	FR1 n70	15M	BPSK	36	22	Left Tilted	0mm	Ant 5	DSI 2	340500	1702.5	Battery 1	Sample 1	23.90	25.00	1.288	0.14	0.015	0.019
	FR1 n70	15M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	340500	1702.5	Battery 1	Sample 3	23.92	25.00	1.282	0.14	0.079	0.101
	FR1 n70	15M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	340500	1702.5	Battery 1	Sample 5	23.92	25.00	1.282	-0.06	0.053	0.068
	FR1 n70	15M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	340500	1702.5	Battery 1	Sample 6	23.92	25.00	1.282	-0.15	0.060	0.077
	FR1 n70	15M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	340500	1702.5	Battery 1	Sample 10	23.92	25.00	1.282	0.11	0.080	0.103
	FR1 n70	15M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	340500	1702.5	Battery 2	Sample 10	23.92	25.00	1.282	0.09	0.064	0.082
	FR1 n71	20M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	136100	680.5	Battery 1	Sample 1	24.31	25.00	1.172	-0.17	0.206	0.241
	FR1 n71	20M	BPSK	50	28	Right Cheek	0mm	Ant 8	DSI 2	136100	680.5	Battery 1	Sample 1	24.09	25.00	1.233	-0.14	0.191	0.236
	FR1 n71	20M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2	136100	680.5	Battery 1	Sample 1	24.31	25.00	1.172	-0.17	0.142	0.166
	FR1 n71	20M	BPSK	50	28	Right Tilted	0mm	Ant 8	DSI 2	136100	680.5	Battery 1	Sample 1	24.09	25.00	1.233	-0.05	0.132	0.163
	FR1 n71	20M	BPSK	1	1	Left Cheek	0mm	Ant 8	DSI 2	136100	680.5	Battery 1	Sample 1	24.31	25.00	1.172	0.04	0.087	0.102
	FR1 n71	20M	BPSK	50	28	Left Cheek	0mm	Ant 8	DSI 2	136100	680.5	Battery 1	Sample 1	24.09	25.00	1.233	0.08	0.080	0.099
	FR1 n71	20M	BPSK	1	1	Left Tilted	0mm	Ant 8	DSI 2	136100	680.5	Battery 1	Sample 1	24.31	25.00	1.172	-0.15	0.057	0.067
	FR1 n71	20M	BPSK	50	28	Left Tilted	0mm	Ant 8	DSI 2	136100	680.5	Battery 1	Sample 1	24.09	25.00	1.233	-0.17	0.052	0.064
	FR1 n71	20M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	136100	680.5	Battery 1	Sample 3	24.31	25.00	1.172	0.14	0.195	0.229
	FR1 n71	20M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	136100	680.5	Battery 1	Sample 5	24.31	25.00	1.172	0.08	0.210	0.246
28	FR1 n71	20M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	136100	680.5	Battery 1	Sample 6	24.31	25.00	1.172	0.19	0.213	0.250
	FR1 n71	20M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	136100	680.5	Battery 1	Sample 10	24.31	25.00	1.172	-0.17	0.181	0.212
	FR1 n71	20M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	136100	680.5	Battery 2	Sample 6	24.31	25.00	1.172	0.04	0.206	0.241
	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	518598	2592.99	Battery 1	Sample 1	21.33	21.70	1.089	0.16	1.040	1.133
	FR1 n41	100M	BPSK	135	69	Right Cheek	0mm	Ant 8	DSI 2	518598	2592.99	Battery 1	Sample 1	21.25	21.70	1.109	-0.04	0.995	1.103
	FR1 n41	100M	BPSK	270	0	Right Cheek	0mm	Ant 8	DSI 2	518598	2592.99	Battery 1	Sample 1	21.23	21.70	1.114	0.11	0.001	0.001
	FR1 n41	100M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2	518598	2592.99	Battery 1	Sample 1	21.33	21.70	1.089	0.03	0.593	0.646
	FR1 n41	100M	BPSK	135	69	Right Tilted	0mm	Ant 8	DSI 2	518598	2592.99	Battery 1	Sample 1	21.25	21.70	1.109	-0.19	0.569	0.631
	FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 8	DSI 2	518598	2592.99	Battery 1	Sample 1	21.33	21.70	1.089	0.05	0.573	0.624
	FR1 n41	100M	BPSK	135	69	Left Cheek	0mm	Ant 8	DSI 2	518598	2592.99	Battery 1	Sample 1	21.25	21.70	1.109	-0.03	0.545	0.604
	FR1 n41	100M	BPSK	1	1	Left Tilted	0mm	Ant 8	DSI 2	518598	2592.99	Battery 1	Sample 1	21.33	21.70	1.089	-0.01	0.517	0.563
	FR1 n41	100M	BPSK	135	69	Left Tilted	0mm	Ant 8	DSI 2	518598	2592.99	Battery 1	Sample 1	21.25	21.70	1.109	-0.13	0.496	0.550
	FR1 n41 HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	518598	2592.99	Battery 1	Sample 1	24.24	24.70	1.112	-0.17	0.974	1.083
	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	518598	2592.99	Battery 1	Sample 3	21.33	21.70	1.089	0.12	1.000	1.089
29	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	518598	2592.99	Battery 1	Sample 5	21.33	21.70	1.089	0.01	1.060	1.154
	FR1 n41 HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	518598	2592.99	Battery 1	Sample 5	24.24	24.70	1.112	-0.16	1.000	1.112
	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	518598	2592.99	Battery 1	Sample 6	21.33	21.70	1.089	-0.13	1.030	1.122
	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	518598	2592.99	Battery 1	Sample 10	21.33	21.70	1.089	-0.16	1.010	1.100
	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	518598	2592.99	Battery 2	Sample 5	21.33	21.70	1.089	0.03	1.030	1.122
	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	518598	2592.99	Battery 1	Sample 1	24.60	25.00	1.096	-0.17	0.050	0.055
	FR1 n41	100M	BPSK	135	69	Right Cheek	0mm	Ant 5	DSI 2	518598	2592.99	Battery 1	Sample 1	24.40	25.00	1.148	0.06	0.037	0.042
	FR1 n41	100M	BPSK	1	1	Right Tilted	0mm	Ant 5	DSI 2	518598	2592.99	Battery 1	Sample 1	24.60	25.00	1.096	0.15	0.034	0.037
	FR1 n41	100M	BPSK	135	69	Right Tilted	0mm	Ant 5	DSI 2	518598	2592.99	Battery 1	Sample 1	24.40	25.00	1.148	-0.15	0.023	0.026
	FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 5	DSI 2	518598	2592.99	Battery 1	Sample 1	24.60	25.00	1.096	-0.15	0.039	0.043
	FR1 n41	100M	BPSK	135	69	Left Cheek	0mm	Ant 5	DSI 2	518598	2592.99	Battery 1	Sample 1	24.40	25.00	1.148	0.17	0.029	0.033
	FR1 n41	100M	BPSK	1	1	Left Tilted	0mm	Ant 5	DSI 2	518598	2592.99	Battery 1	Sample 1	24.60	25.00	1.096	0.06	0.020	0.022
	FR1 n41	100M	BPSK	135	69	Left Tilted	0mm	Ant 5	DSI 2	518598	2592.99	Battery 1	Sample 1	24.40	25.00	1.148	0.11	0.015	0.017
	FR1 n41 HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	518598	2592.99	Battery 1	Sample 1	26.95	27.00	1.012	0.06	0.046	0.047
	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	518598	2592.99	Battery 1	Sample 3	24.60	25.00	1.096	-0.18	0.040	0.044
	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	518598	2592.99	Battery 1	Sample 5	24.60	25.00	1.096	0.05	0.053	0.058
	FR1 n41 HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	518598	2592.99	Battery 1	Sample 5	26.95	27.00	1.012	-0.06	0.046	0.047
	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	518598	259								



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	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI 2	518598	2592.99	Battery 2	Sample 5	24.60	25.00	1.096	0.04	0.045	0.049
	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	518598	2592.99	Battery 1	Sample 1	23.34	23.50	1.038	-0.09	0.179	0.186
	FR1 n41	100M	BPSK	135	69	Right Cheek	0mm	Ant 3	DSI 2	518598	2592.99	Battery 1	Sample 1	22.21	23.50	1.346	-0.07	0.135	0.182
	FR1 n41	100M	BPSK	1	1	Right Tilted	0mm	Ant 3	DSI 2	518598	2592.99	Battery 1	Sample 1	23.34	23.50	1.038	-0.01	0.077	0.080
	FR1 n41	100M	BPSK	135	69	Right Tilted	0mm	Ant 3	DSI 2	518598	2592.99	Battery 1	Sample 1	22.21	23.50	1.346	0.18	0.058	0.078
	FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 3	DSI 2	518598	2592.99	Battery 1	Sample 1	23.34	23.50	1.038	-0.05	0.098	0.102
	FR1 n41	100M	BPSK	135	69	Left Cheek	0mm	Ant 3	DSI 2	518598	2592.99	Battery 1	Sample 1	22.21	23.50	1.346	-0.14	0.074	0.100
	FR1 n41	100M	BPSK	1	1	Left Tilted	0mm	Ant 3	DSI 2	518598	2592.99	Battery 1	Sample 1	23.34	23.50	1.038	0.10	0.072	0.075
	FR1 n41	100M	BPSK	135	69	Left Tilted	0mm	Ant 3	DSI 2	518598	2592.99	Battery 1	Sample 1	22.21	23.50	1.346	-0.16	0.053	0.071
	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	518598	2592.99	Battery 1	Sample 3	23.34	23.50	1.038	-0.18	0.148	0.154
	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	518598	2592.99	Battery 1	Sample 5	23.34	23.50	1.038	-0.12	0.085	0.088
	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	518598	2592.99	Battery 1	Sample 6	23.34	23.50	1.038	0.18	0.127	0.132
	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	518598	2592.99	Battery 1	Sample 10	23.34	23.50	1.038	0.01	0.070	0.073
	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	518598	2592.99	Battery 2	Sample 1	23.34	23.50	1.038	0.02	0.165	0.171
	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 4	DSI 2	518598	2592.99	Battery 1	Sample 1	22.62	23.00	1.091	0.05	0.061	0.067
	FR1 n41	100M	BPSK	135	69	Right Cheek	0mm	Ant 4	DSI 2	518598	2592.99	Battery 1	Sample 1	21.35	23.00	1.462	0.01	0.044	0.064
	FR1 n41	100M	BPSK	1	1	Right Tilted	0mm	Ant 4	DSI 2	518598	2592.99	Battery 1	Sample 1	22.62	23.00	1.091	0.16	0.043	0.047
	FR1 n41	100M	BPSK	135	69	Right Tilted	0mm	Ant 4	DSI 2	518598	2592.99	Battery 1	Sample 1	21.35	23.00	1.462	-0.04	0.031	0.045
	FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	518598	2592.99	Battery 1	Sample 1	22.62	23.00	1.091	0.02	0.081	0.088
	FR1 n41	100M	BPSK	135	69	Left Cheek	0mm	Ant 4	DSI 2	518598	2592.99	Battery 1	Sample 1	21.35	23.00	1.462	0.06	0.059	0.086
	FR1 n41	100M	BPSK	1	1	Left Tilted	0mm	Ant 4	DSI 2	518598	2592.99	Battery 1	Sample 1	22.62	23.00	1.091	-0.15	0.038	0.041
	FR1 n41	100M	BPSK	135	69	Left Tilted	0mm	Ant 4	DSI 2	518598	2592.99	Battery 1	Sample 1	21.35	23.00	1.462	-0.08	0.026	0.038
	FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	518598	2592.99	Battery 1	Sample 3	22.62	23.00	1.091	0.13	0.015	0.016
	FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	518598	2592.99	Battery 1	Sample 5	22.62	23.00	1.091	-0.17	0.074	0.081
	FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	518598	2592.99	Battery 1	Sample 6	22.62	23.00	1.091	0.01	0.056	0.061
	FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	518598	2592.99	Battery 1	Sample 10	22.62	23.00	1.091	-0.01	0.116	0.127
	FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	518598	2592.99	Battery 2	Sample 10	22.62	23.00	1.091	0.06	0.099	0.108
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 1	21.34	22.20	1.219	-0.16	0.680	0.829
30	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	638000	3570	Battery 1	Sample 1	21.27	22.20	1.239	0.05	0.940	1.165
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	645332	3679.98	Battery 1	Sample 1	21.33	22.20	1.222	0.13	0.515	0.629
	FR1 n48	40M	BPSK	50	28	Right Cheek	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 1	21.30	22.20	1.23	-0.09	0.646	0.795
	FR1 n48	40M	BPSK	50	28	Right Cheek	0mm	Ant 8	DSI 2	638000	3570	Battery 1	Sample 1	21.16	22.20	1.271	0.06	0.895	1.138
	FR1 n48	40M	BPSK	50	28	Right Cheek	0mm	Ant 8	DSI 2	645332	3679.98	Battery 1	Sample 1	21.20	22.20	1.259	0.02	0.484	0.609
	FR1 n48	40M	BPSK	100	0	Right Cheek	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 1	21.23	22.20	1.25	-0.09	0.001	0.001
	FR1 n48	40M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 1	21.34	22.20	1.219	0.06	0.460	0.561
	FR1 n48	40M	BPSK	50	28	Right Tilted	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 1	21.30	22.20	1.23	-0.13	0.442	0.544
	FR1 n48	40M	BPSK	1	1	Left Cheek	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 1	21.34	22.20	1.219	0.11	0.257	0.313
	FR1 n48	40M	BPSK	50	28	Left Cheek	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 1	21.30	22.20	1.23	0.10	0.248	0.305
	FR1 n48	40M	BPSK	1	1	Left Tilted	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 1	21.34	22.20	1.219	-0.12	0.219	0.267
	FR1 n48	40M	BPSK	50	28	Left Tilted	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 1	21.30	22.20	1.23	0.00	0.212	0.261
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	638000	3570	Battery 1	Sample 3	21.27	22.20	1.239	0.00	0.753	0.933
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 3	21.34	22.20	1.219	0.03	0.662	0.807
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	645332	3679.98	Battery 1	Sample 3	21.33	22.20	1.222	-0.01	0.507	0.620
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	638000	3570	Battery 1	Sample 5	21.27	22.20	1.239	-0.09	0.733	0.908
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 5	21.34	22.20	1.219	0.12	0.639	0.779
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	645332	3679.98	Battery 1	Sample 5	21.33	22.20	1.222	0.01	0.612	0.748
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	638000	3570	Battery 1	Sample 6	21.27	22.20	1.239	0.19	0.873	1.082
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 6	21.34	22.20	1.219	-0.14	0.705	0.859
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	645332	3679.98	Battery 1	Sample 6	21.33	22.20	1.222	-0.07	0.801	0.979
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	638000	3570	Battery 1	Sample 10	21.27	22.20	1.239	0.05	0.605	0.750
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 10	21.34	22.20	1.219	0.13	0.564	0.688
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	645332	3679.98	Battery 1	Sample 10	21.33	22.20	1.222	0.08	0.558	0.682
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	638000	3570	Battery 2	Sample 1	21.27	22.20	1.239	0.04	0.923	1.144
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 1	18.25	19.20	1.245	0.08	0.311	0.387
	FR1 n48	40M	BPSK	50	28	Right Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 1	18.21	19.20	1.256	-0.19	0.300	0.377
	FR1 n48	40M	BPSK	1	1	Right Tilted	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 1	18.25	19.20	1.245	0.09	0.264	0.329
	FR1 n48	40M	BPSK	50	28	Right Tilted	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 1	18.21	19.20	1.256	0.10	0.252	0.317
	FR1 n48	40M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 1	18.25	19.20	1.245	0.17	0.671	0.835
	FR1 n48	40M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	638000	3570	Battery 1	Sample 1	18.20	19.20	1.259	0.06	0.602	0.758
	FR1 n48	40M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	645332	3679.98	Battery 1	Sample 1	18.22	19.20	1.253	0.14	0.716	0.897
	FR1 n48	40M	BPSK	50	28	Left Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 1	18.21	19.20	1.256	0.09	0.642	0.806
	FR1 n48	40M	BPSK	50	28	Left Cheek	0mm	Ant 9	DSI 2	638000	3570	Battery 1	Sample 1	18.10	19.20	1.288	0.02	0.571	0.735
	FR1 n48	40M	BPSK	50	28	Left Cheek	0mm	Ant 9	DSI 2	645332	3679.98	Battery 1	Sample 1	18.13	19.20	1.279	-0.07	0.664	0.849
	FR1 n48	40M	BPSK	100	0	Left Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 1	18.19	19.20	1.262	-0.04	0.637	0.804
	FR1 n48	40M	BPSK	1	1	Left Tilted	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 1	18.25	19.20	1.245	0.11	0.427	0.532
	FR1 n48	40M	BPSK	50	28	Left Tilted	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 1	18.21	19.20	1.256	-0.18	0.411	0.516
	FR1 n48	40M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	645332	3679.98	Battery 1	Sample 3	18.22	19.20	1.253	0.15	0.782	0.980
	FR1 n48	40M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	638000	3570	Battery 1	Sample 3	18.20	19.20	1.259	0.05	0.675	0.850
	FR1 n48	40M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 3	18.25	19.20	1.245	0.09	0.722	0.899
	FR1 n48	40M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	645332	3679.98								



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	FR1 n48	40M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 6	18.25	19.20	1.245	0.02	0.747	0.930
	FR1 n48	40M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	645332	3679.98	Battery 1	Sample 10	18.22	19.20	1.253	-0.05	0.871	1.091
	FR1 n48	40M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	638000	3570	Battery 1	Sample 10	18.20	19.20	1.259	-0.03	0.755	0.951
	FR1 n48	40M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 10	18.25	19.20	1.245	0.08	0.823	1.025
	FR1 n48	40M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	645332	3679.98	Battery 2	Sample 5	18.22	19.20	1.253	-0.04	0.883	1.106
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 1	20.84	21.70	1.219	0.13	0.934	1.139
	FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 1	20.82	21.70	1.225	-0.06	0.908	1.112
	FR1 n77	100M	BPSK	270	0	Right Cheek	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 1	20.74	21.70	1.247	0.05	0.889	1.109
	FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 1	20.84	21.70	1.219	-0.14	0.559	0.681
	FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 1	20.82	21.70	1.225	0.02	0.543	0.665
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 1	20.84	21.70	1.219	-0.14	0.279	0.340
	FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 1	20.82	21.70	1.225	0.18	0.270	0.331
	FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 1	20.84	21.70	1.219	0.09	0.204	0.249
	FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 1	20.82	21.70	1.225	-0.08	0.196	0.240
	FR1 n77 HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 1	23.89	24.70	1.205	0.12	0.868	1.046
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 3	20.84	21.70	1.219	-0.16	0.814	0.992
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 5	20.84	21.70	1.219	-0.09	0.840	1.024
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 6	20.84	21.70	1.219	0.15	0.799	0.974
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	633332	3499.98	Battery 1	Sample 10	20.84	21.70	1.219	0.16	0.623	0.759
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	633332	3499.98	Battery 2	Sample 1	20.84	21.70	1.219	-0.09	0.927	1.130
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 1	18.05	18.60	1.135	-0.09	0.307	0.348
	FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 1	18.03	18.60	1.14	-0.06	0.299	0.341
	FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 1	18.05	18.60	1.135	0.13	0.260	0.295
	FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 1	18.03	18.60	1.14	-0.11	0.252	0.287
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 1	18.05	18.60	1.135	-0.06	0.724	0.822
	FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 1	18.03	18.60	1.14	-0.11	0.702	0.800
	FR1 n77	100M	BPSK	270	0	Left Cheek	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 1	17.95	18.60	1.161	-0.06	0.667	0.774
	FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 1	18.05	18.60	1.135	-0.08	0.488	0.554
	FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 1	18.03	18.60	1.14	-0.02	0.475	0.542
	FR1 n77 HPUE	100M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 1	21.18	21.60	1.102	0.03	0.550	0.606
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 3	18.05	18.60	1.135	-0.08	0.857	0.973
31	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 5	18.05	18.60	1.135	0.02	1.020	1.158
	FR1 n77 HPUE	100M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 5	21.18	21.60	1.102	0.05	0.979	1.079
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 6	18.05	18.60	1.135	-0.16	0.736	0.835
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	633332	3499.98	Battery 1	Sample 10	18.05	18.60	1.135	-0.18	0.914	1.037
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	633332	3499.98	Battery 2	Sample 5	18.05	18.60	1.135	0.05	0.976	1.108
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	633332	3499.98	Battery 1	Sample 1	24.13	25.00	1.222	-0.08	0.193	0.236
	FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 3	DSI 2	633332	3499.98	Battery 1	Sample 1	24.06	25.00	1.242	0.05	0.184	0.229
	FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 3	DSI 2	633332	3499.98	Battery 1	Sample 1	24.13	25.00	1.222	-0.02	0.093	0.114
	FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 3	DSI 2	633332	3499.98	Battery 1	Sample 1	24.06	25.00	1.242	-0.06	0.088	0.109
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 3	DSI 2	633332	3499.98	Battery 1	Sample 1	24.13	25.00	1.222	0.05	0.111	0.136
	FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 3	DSI 2	633332	3499.98	Battery 1	Sample 1	24.06	25.00	1.242	0.18	0.107	0.133
	FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 3	DSI 2	633332	3499.98	Battery 1	Sample 1	24.13	25.00	1.222	-0.04	0.092	0.112
	FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 3	DSI 2	633332	3499.98	Battery 1	Sample 1	24.06	25.00	1.242	0.03	0.087	0.108
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	633332	3499.98	Battery 1	Sample 3	24.13	25.00	1.222	-0.06	0.149	0.182
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	633332	3499.98	Battery 1	Sample 5	24.13	25.00	1.222	0.02	0.270	0.330
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	633332	3499.98	Battery 1	Sample 6	24.13	25.00	1.222	0.01	0.100	0.122
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	633332	3499.98	Battery 1	Sample 10	24.13	25.00	1.222	-0.03	0.261	0.319
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	633332	3499.98	Battery 2	Sample 5	24.13	25.00	1.222	0.08	0.254	0.310
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 4	DSI 2	633332	3499.98	Battery 1	Sample 1	22.75	24.00	1.334	0.04	0.068	0.091
	FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 4	DSI 2	633332	3499.98	Battery 1	Sample 1	22.56	24.00	1.393	0.07	0.063	0.088
	FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 4	DSI 2	633332	3499.98	Battery 1	Sample 1	22.75	24.00	1.334	-0.17	0.062	0.083
	FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 4	DSI 2	633332	3499.98	Battery 1	Sample 1	22.56	24.00	1.393	-0.02	0.057	0.079
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	633332	3499.98	Battery 1	Sample 1	22.75	24.00	1.334	0.18	0.135	0.180
	FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 4	DSI 2	633332	3499.98	Battery 1	Sample 1	22.56	24.00	1.393	-0.02	0.125	0.174
	FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 4	DSI 2	633332	3499.98	Battery 1	Sample 1	22.75	24.00	1.334	-0.09	0.062	0.083
	FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 4	DSI 2	633332	3499.98	Battery 1	Sample 1	22.56	24.00	1.393	-0.03	0.058	0.081
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	633332	3499.98	Battery 1	Sample 3	22.75	24.00	1.334	0.06	0.056	0.075
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	633332	3499.98	Battery 1	Sample 5	22.75	24.00	1.334	-0.15	0.140	0.187
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	633332	3499.98	Battery 1	Sample 6	22.75	24.00	1.334	0.09	0.187	0.249
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	633332	3499.98	Battery 1	Sample 10	22.75	24.00	1.334	0.14	0.180	0.240
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	633332	3499.98	Battery 2	Sample 6	22.75	24.00	1.334	0.00	0.163	0.217
	FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 1	20.29	21.70	1.384	-0.04	0.538	0.745
	FR1 n77/n78	100M	BPSK	135	69	Right Cheek	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 1	20.23	21.70	1.403	0.09	0.519	0.728
	FR1 n77/n78	100M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 1	20.29	21.70	1.384	0.00	0.426	0.590
	FR1 n77/n78	100M	BPSK	135	69	Right Tilted	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 1	20.23	21.70	1.403	-0.03	0.406	0.570
	FR1 n77/n78	100M	BPSK	1	1	Left Cheek	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 1	20.29	21.70	1.384	-0.02	0.198	0.274
	FR1 n77/n78	100M	BPSK	135	69	Left Cheek	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 1	20.23	21.70	1.403	-0.18	0.185	0.260
	FR1 n77/n78	100M	BPSK	1	1	Left Tilted	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 1	20.29	21.70	1.384	0.01	0.161	



FCC SAR TEST REPORT

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FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 6	20.29	21.70	1.384	0.18	0.712	0.985
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	641666	3624.99	Battery 1	Sample 10	20.29	21.70	1.384	-0.12	0.516	0.714
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	641666	3624.99	Battery 2	Sample 6	20.29	21.70	1.384	0.09	0.707	0.978
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 1	18.11	18.60	1.119	0.09	0.227	0.254
FR1 n77/n78	100M	BPSK	135	69	Right Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 1	18.05	18.60	1.135	-0.10	0.216	0.245
FR1 n77/n78	100M	BPSK	1	1	Right Tilted	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 1	18.11	18.60	1.119	0.08	0.153	0.171
FR1 n77/n78	100M	BPSK	135	69	Right Tilted	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 1	18.05	18.60	1.135	0.16	0.142	0.161
FR1 n77/n78	100M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 1	18.11	18.60	1.119	-0.08	0.571	0.639
FR1 n77/n78	100M	BPSK	135	69	Left Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 1	18.05	18.60	1.135	-0.16	0.545	0.619
FR1 n77/n78	100M	BPSK	1	1	Left Tilted	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 1	18.11	18.60	1.119	-0.17	0.315	0.352
FR1 n77/n78	100M	BPSK	135	69	Left Tilted	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 1	18.05	18.60	1.135	-0.18	0.303	0.344
FR1 n77/n78	100M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 3	18.11	18.60	1.119	-0.01	0.692	0.774
FR1 n77/n78	100M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 5	18.11	18.60	1.119	0.06	0.783	0.876
FR1 n77/n78	100M	BPSK	135	69	Left Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 5	18.05	18.60	1.135	0.03	0.726	0.824
FR1 n77/n78	100M	BPSK	270	0	Left Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 5	17.93	18.60	1.167	-0.02	0.705	0.823
FR1 n77/n78	100M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 6	18.11	18.60	1.119	0.17	0.662	0.741
FR1 n77/n78	100M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 1	Sample 10	18.11	18.60	1.119	-0.17	0.701	0.784
FR1 n77/n78	100M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	641666	3624.99	Battery 2	Sample 5	18.11	18.60	1.119	-0.09	0.767	0.858
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	641666	3624.99	Battery 1	Sample 1	23.14	24.00	1.219	-0.13	0.112	0.137
FR1 n77/n78	100M	BPSK	135	69	Right Cheek	0mm	Ant 3	DSI 2	641666	3624.99	Battery 1	Sample 1	23.10	24.00	1.23	0.10	0.107	0.132
FR1 n77/n78	100M	BPSK	1	1	Right Tilted	0mm	Ant 3	DSI 2	641666	3624.99	Battery 1	Sample 1	23.14	24.00	1.219	-0.04	0.039	0.048
FR1 n77/n78	100M	BPSK	135	69	Right Tilted	0mm	Ant 3	DSI 2	641666	3624.99	Battery 1	Sample 1	23.10	24.00	1.23	-0.15	0.037	0.046
FR1 n77/n78	100M	BPSK	1	1	Left Cheek	0mm	Ant 3	DSI 2	641666	3624.99	Battery 1	Sample 1	23.14	24.00	1.219	0.12	0.043	0.052
FR1 n77/n78	100M	BPSK	135	69	Left Cheek	0mm	Ant 3	DSI 2	641666	3624.99	Battery 1	Sample 1	23.10	24.00	1.23	0.07	0.041	0.050
FR1 n77/n78	100M	BPSK	1	1	Left Tilted	0mm	Ant 3	DSI 2	641666	3624.99	Battery 1	Sample 1	23.14	24.00	1.219	-0.15	0.018	0.022
FR1 n77/n78	100M	BPSK	135	69	Left Tilted	0mm	Ant 3	DSI 2	641666	3624.99	Battery 1	Sample 1	23.10	24.00	1.23	0.19	0.017	0.021
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	641666	3624.99	Battery 1	Sample 3	23.14	24.00	1.219	-0.01	0.113	0.138
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	641666	3624.99	Battery 1	Sample 5	23.14	24.00	1.219	-0.19	0.146	0.178
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	641666	3624.99	Battery 1	Sample 6	23.14	24.00	1.219	-0.15	0.098	0.119
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	641666	3624.99	Battery 1	Sample 10	23.14	24.00	1.219	0.06	0.173	0.211
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	641666	3624.99	Battery 2	Sample 10	23.14	24.00	1.219	-0.03	0.166	0.202
FR1 n77/n78	100M	BPSK	1	1	Right Cheek	0mm	Ant 4	DSI 2	641666	3624.99	Battery 1	Sample 1	22.42	24.00	1.439	0.12	0.105	0.151
FR1 n77/n78	100M	BPSK	135	69	Right Cheek	0mm	Ant 4	DSI 2	641666	3624.99	Battery 1	Sample 1	22.41	24.00	1.442	-0.01	0.101	0.146
FR1 n77/n78	100M	BPSK	1	1	Right Tilted	0mm	Ant 4	DSI 2	641666	3624.99	Battery 1	Sample 1	22.42	24.00	1.439	-0.01	0.101	0.145
FR1 n77/n78	100M	BPSK	135	69	Right Tilted	0mm	Ant 4	DSI 2	641666	3624.99	Battery 1	Sample 1	22.41	24.00	1.442	0.06	0.097	0.140
FR1 n77/n78	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	641666	3624.99	Battery 1	Sample 1	22.42	24.00	1.439	0.18	0.189	0.272
FR1 n77/n78	100M	BPSK	135	69	Left Cheek	0mm	Ant 4	DSI 2	641666	3624.99	Battery 1	Sample 1	22.41	24.00	1.442	-0.07	0.184	0.265
FR1 n77/n78	100M	BPSK	1	1	Left Tilted	0mm	Ant 4	DSI 2	641666	3624.99	Battery 1	Sample 1	22.42	24.00	1.439	-0.10	0.077	0.111
FR1 n77/n78	100M	BPSK	135	69	Left Tilted	0mm	Ant 4	DSI 2	641666	3624.99	Battery 1	Sample 1	22.41	24.00	1.442	0.02	0.075	0.108
FR1 n77/n78	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	641666	3624.99	Battery 1	Sample 3	22.42	24.00	1.439	0.03	0.067	0.096
FR1 n77/n78	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	641666	3624.99	Battery 1	Sample 5	22.42	24.00	1.439	-0.01	0.197	0.283
FR1 n77/n78	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	641666	3624.99	Battery 1	Sample 6	22.42	24.00	1.439	0.08	0.227	0.327
FR1 n77/n78	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	641666	3624.99	Battery 1	Sample 10	22.42	24.00	1.439	-0.11	0.220	0.317
FR1 n77/n78	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	641666	3624.99	Battery 2	Sample 6	22.42	24.00	1.439	0.07	0.219	0.315
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 1	20.83	21.70	1.222	0.04	0.295	0.360
FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 1	20.81	21.70	1.227	-0.00	0.288	0.353
FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 1	20.83	21.70	1.222	0.16	0.196	0.240
FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 1	20.81	21.70	1.227	0.18	0.188	0.231
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 1	20.83	21.70	1.222	-0.14	0.132	0.161
FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 1	20.81	21.70	1.227	0.09	0.125	0.153
FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 1	20.83	21.70	1.222	0.13	0.108	0.132
FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 1	20.81	21.70	1.227	0.09	0.098	0.120
FR1 n77 HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 1	23.88	24.70	1.208	-0.16	0.239	0.289
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 3	20.83	21.70	1.222	-0.00	0.364	0.445
FR1 n77 HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 3	23.88	24.70	1.208	0.06	0.332	0.401
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 5	20.83	21.70	1.222	-0.08	0.356	0.435
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 6	20.83	21.70	1.222	0.08	0.345	0.422
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	656000	3840	Battery 1	Sample 10	20.83	21.70	1.222	-0.10	0.325	0.397
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	656000	3840	Battery 2	Sample 3	20.83	21.70	1.222	-0.04	0.335	0.409
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 9	DSI 2	656000	3840	Battery 1	Sample 1	18.59	18.60	1.002	0.04	0.364	0.365
FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 9	DSI 2	656000	3840	Battery 1	Sample 1	18.57	18.60	1.007	-0.06	0.352	0.354
FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 9	DSI 2	656000	3840	Battery 1	Sample 1	18.59	18.60	1.002	0.04	0.337	0.338
FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 9	DSI 2	656000	3840	Battery 1	Sample 1	18.57	18.60	1.007	0.13	0.326	0.328
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	656000	3840	Battery 1	Sample 1	18.59	18.60	1.002	0.10	0.740	0.741
FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 9	DSI 2	656000	3840	Battery 1	Sample 1	18.57	18.60	1.007	-0.15	0.717	0.722
FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 9	DSI 2	656000	3840	Battery 1	Sample 1	18.59	18.60	1.002	-0.16	0.530	0.531
FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 9	DSI 2	656000	3840	Battery 1	Sample 1	18.57	18.60	1.007	0.12	0.514	0.518
FR1 n77 HPUE	100M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	656000	3840	Battery 1	Sample 1	21.60	21.60	1.0	0.06	0.485	0.485
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	656000	3840	Battery 1	Sample 3	18.59	18.60	1.002	-0.05	0.772	0.774
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	656000	3840	Battery 1	Sample 5	18.59	18.60	1.002	0.08	0.882	0.884
FR1 n77 HPUE	100M	BPSK	1	1	Left Cheek	0mm												



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	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	656000	3840	Battery 1	Sample 6	18.59	18.60	1.002	0.18	0.687	0.688
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	656000	3840	Battery 1	Sample 10	18.59	18.60	1.002	-0.02	0.808	0.810
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 9	DSI 2	656000	3840	Battery 2	Sample 5	18.59	18.60	1.002	-0.04	0.866	0.868
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	656000	3840	Battery 1	Sample 1	24.66	25.00	1.081	0.07	0.055	0.059
	FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 3	DSI 2	656000	3840	Battery 1	Sample 1	24.60	25.00	1.096	0.13	0.052	0.057
	FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 3	DSI 2	656000	3840	Battery 1	Sample 1	24.66	25.00	1.081	0.15	0.032	0.035
	FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 3	DSI 2	656000	3840	Battery 1	Sample 1	24.60	25.00	1.096	-0.15	0.029	0.032
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 3	DSI 2	656000	3840	Battery 1	Sample 1	24.66	25.00	1.081	-0.11	0.027	0.029
	FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 3	DSI 2	656000	3840	Battery 1	Sample 1	24.60	25.00	1.096	0.13	0.026	0.028
	FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 3	DSI 2	656000	3840	Battery 1	Sample 1	24.66	25.00	1.081	-0.06	0.015	0.016
	FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 3	DSI 2	656000	3840	Battery 1	Sample 1	24.60	25.00	1.096	-0.11	0.013	0.014
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	656000	3840	Battery 1	Sample 3	24.66	25.00	1.081	0.08	0.488	0.528
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	656000	3840	Battery 1	Sample 5	24.66	25.00	1.081	0.04	0.080	0.086
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	656000	3840	Battery 1	Sample 6	24.66	25.00	1.081	0.14	0.106	0.115
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	656000	3840	Battery 1	Sample 10	24.66	25.00	1.081	0.07	0.331	0.358
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	656000	3840	Battery 2	Sample 3	24.66	25.00	1.081	0.07	0.461	0.498
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 4	DSI 2	656000	3840	Battery 1	Sample 1	23.67	24.00	1.079	-0.06	0.206	0.222
	FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 4	DSI 2	656000	3840	Battery 1	Sample 1	23.61	24.00	1.094	0.18	0.197	0.216
	FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 4	DSI 2	656000	3840	Battery 1	Sample 1	23.67	24.00	1.079	-0.13	0.298	0.322
	FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 4	DSI 2	656000	3840	Battery 1	Sample 1	23.61	24.00	1.094	-0.19	0.286	0.313
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	656000	3840	Battery 1	Sample 1	23.67	24.00	1.079	0.02	0.415	0.448
	FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 4	DSI 2	656000	3840	Battery 1	Sample 1	23.61	24.00	1.094	0.01	0.402	0.440
	FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 4	DSI 2	656000	3840	Battery 1	Sample 1	23.67	24.00	1.079	-0.13	0.155	0.167
	FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 4	DSI 2	656000	3840	Battery 1	Sample 1	23.61	24.00	1.094	-0.09	0.149	0.163
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	656000	3840	Battery 1	Sample 3	23.67	24.00	1.079	0.17	0.252	0.272
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	656000	3840	Battery 1	Sample 5	23.67	24.00	1.079	0.09	0.194	0.209
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	656000	3840	Battery 1	Sample 6	23.67	24.00	1.079	0.01	0.519	0.560
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	656000	3840	Battery 1	Sample 10	23.67	24.00	1.079	-0.14	0.502	0.542
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	656000	3840	Battery 2	Sample 6	23.67	24.00	1.079	0.03	0.507	0.547



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[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	DSI 2	1	2412	Battery 1	Sample 1	21.94	22.00	1.014	97.07	1.03	0.06	0.207	0.216
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 6	DSI 2	1	2412	Battery 1	Sample 1	21.94	22.00	1.014	97.07	1.03	0.07	0.173	0.181
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6	DSI 2	1	2412	Battery 1	Sample 1	21.94	22.00	1.014	97.07	1.03	0.02	0.539	0.563
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 6	DSI 2	1	2412	Battery 1	Sample 1	21.94	22.00	1.014	97.07	1.03	0.18	0.183	0.191
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6	DSI 2	1	2412	Battery 1	Sample 3	21.94	22.00	1.014	97.07	1.03	0.07	0.619	0.646
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6	DSI 2	1	2412	Battery 1	Sample 5	21.94	22.00	1.014	97.07	1.03	0.19	0.631	0.659
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6	DSI 2	1	2412	Battery 1	Sample 6	21.94	22.00	1.014	97.07	1.03	0.00	0.617	0.644
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6	DSI 2	1	2412	Battery 1	Sample 10	21.94	22.00	1.014	97.07	1.03	-0.08	0.627	0.655
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6	DSI 2	1	2412	Battery 2	Sample 5	21.94	22.00	1.014	97.07	1.03	0.03	0.626	0.654
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 7	DSI 2	11	2462	Battery 1	Sample 1	21.36	22.00	1.159	97.07	1.03	-0.00	0.460	0.549
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 7	DSI 2	11	2462	Battery 1	Sample 1	21.36	22.00	1.159	97.07	1.03	-0.03	0.189	0.226
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 7	DSI 2	11	2462	Battery 1	Sample 1	21.36	22.00	1.159	97.07	1.03	0.03	0.245	0.292
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 7	DSI 2	11	2462	Battery 1	Sample 1	21.36	22.00	1.159	97.07	1.03	0.04	0.156	0.186
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 7	DSI 2	11	2462	Battery 1	Sample 3	21.36	22.00	1.159	97.07	1.03	-0.13	0.472	0.563
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 7	DSI 2	11	2462	Battery 1	Sample 5	21.36	22.00	1.159	97.07	1.03	0.01	0.478	0.571
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 7	DSI 2	11	2462	Battery 1	Sample 6	21.36	22.00	1.159	97.07	1.03	0.17	0.477	0.569
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 7	DSI 2	11	2462	Battery 1	Sample 10	21.36	22.00	1.159	97.07	1.03	0.05	0.564	0.673
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 7	DSI 2	11	2462	Battery 2	Sample 10	21.36	22.00	1.159	97.07	1.03	-0.11	0.539	0.643
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant MIMO(7)	DSI 2	6	2437	Battery 1	Sample 1	21.33	22.00	1.167	97.07	1.03	0.04	0.374	0.450
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant MIMO(7)	DSI 2	6	2437	Battery 1	Sample 1	21.33	22.00	1.167	97.07	1.03	0.04	0.426	0.512
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant MIMO(7)	DSI 2	6	2437	Battery 1	Sample 1	21.33	22.00	1.167	97.07	1.03	-0.04	0.737	0.886
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant MIMO(7)	DSI 2	6	2437	Battery 1	Sample 1	21.33	22.00	1.167	97.07	1.03	0.19	0.426	0.512
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant MIMO(7)	DSI 2	6	2437	Battery 1	Sample 3	21.33	22.00	1.167	97.07	1.03	-0.04	0.757	0.910
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant MIMO(7)	DSI 2	6	2437	Battery 1	Sample 5	21.33	22.00	1.167	97.07	1.03	0.11	0.764	0.918
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant MIMO(7)	DSI 2	6	2437	Battery 1	Sample 6	21.33	22.00	1.167	97.07	1.03	0.02	0.731	0.879
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant MIMO(7)	DSI 2	6	2437	Battery 1	Sample 10	21.33	22.00	1.167	97.07	1.03	0.18	0.869	1.045
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant MIMO(7)	DSI 2	1	2412	Battery 1	Sample 10	20.99	22.00	1.262	97.07	1.03	-0.10	0.677	0.880
32	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant MIMO(7)	DSI 2	11	2462	Battery 1	Sample 10	21.36	22.00	1.159	97.07	1.03	0.02	0.881	1.052
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant MIMO(7)	DSI 2	11	2462	Battery 2	Sample 10	21.36	22.00	1.159	97.07	1.03	-0.00	0.850	1.015
33	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant MIMO(7)	DSI 2	52	5260	Battery 1	Sample 1	19.24	20.00	1.191	99.1	1.009	0.01	0.416	0.500
	WLAN5GHz	802.11a 6Mbps	Right Tilted	0mm	Ant MIMO(7)	DSI 2	52	5260	Battery 1	Sample 1	19.24	20.00	1.191	99.1	1.009	-0.07	0.145	0.174
	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant MIMO(7)	DSI 2	52	5260	Battery 1	Sample 1	19.24	20.00	1.191	99.1	1.009	-0.01	0.231	0.278
	WLAN5GHz	802.11a 6Mbps	Left Tilted	0mm	Ant MIMO(7)	DSI 2	52	5260	Battery 1	Sample 1	19.24	20.00	1.191	99.1	1.009	-0.09	0.093	0.112
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant MIMO(7)	DSI 2	52	5260	Battery 1	Sample 3	19.24	20.00	1.191	99.1	1.009	0.05	0.403	0.484
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant MIMO(7)	DSI 2	52	5260	Battery 1	Sample 5	19.24	20.00	1.191	99.1	1.009	0.05	0.412	0.495
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant MIMO(7)	DSI 2	52	5260	Battery 1	Sample 6	19.24	20.00	1.191	99.1	1.009	-0.06	0.414	0.498
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant MIMO(7)	DSI 2	52	5260	Battery 1	Sample 10	19.24	20.00	1.191	99.1	1.009	0.08	0.411	0.494
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant MIMO(7)	DSI 2	52	5260	Battery 2	Sample 1	19.24	20.00	1.191	99.1	1.009	0.00	0.412	0.495
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant MIMO(7)	DSI 2	116	5580	Battery 1	Sample 1	19.36	20.00	1.159	99.1	1.009	0.15	0.599	0.700
	WLAN5GHz	802.11a 6Mbps	Right Tilted	0mm	Ant MIMO(7)	DSI 2	116	5580	Battery 1	Sample 1	19.36	20.00	1.159	99.1	1.009	0.04	0.248	0.290
	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant MIMO(7)	DSI 2	116	5580	Battery 1	Sample 1	19.36	20.00	1.159	99.1	1.009	-0.10	0.446	0.522
	WLAN5GHz	802.11a 6Mbps	Left Tilted	0mm	Ant MIMO(7)	DSI 2	116	5580	Battery 1	Sample 1	19.36	20.00	1.159	99.1	1.009	0.10	0.168	0.196
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant MIMO(7)	DSI 2	116	5580	Battery 1	Sample 3	19.36	20.00	1.159	99.1	1.009	-0.11	0.591	0.691
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant MIMO(7)	DSI 2	116	5580	Battery 1	Sample 5	19.36	20.00	1.159	99.1	1.009	-0.01	0.604	0.706
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant MIMO(7)	DSI 2	116	5580	Battery 1	Sample 6	19.36	20.00	1.159	99.1	1.009	-0.04	0.597	0.698
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant MIMO(7)	DSI 2	116	5580	Battery 1	Sample 10	19.36	20.00	1.159	99.1	1.009	-0.07	0.755	0.883
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant MIMO(7)	DSI 2	100	5500	Battery 1	Sample 10	18.45	19.00	1.135	99.1	1.009	-0.13	0.660	0.756
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant MIMO(7)	DSI 2	124	5620	Battery 1	Sample 10	19.31	20.00	1.172	99.1	1.009	-0.13	0.816	0.965
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant MIMO(7)	DSI 2	132	5660	Battery 1	Sample 10	19.26	20.00	1.186	99.1	1.009	0.05	0.810	0.969
34	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant MIMO(7)	DSI 2	144	5720	Battery 1	Sample 10	19.11	20.00	1.227	99.1	1.009	-0.01	0.824	1.020
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant MIMO(7)	DSI 2	144	5720	Battery 2	Sample 10	19.11	20.00	1.227	99.1	1.009	-0.13	0.811	1.004
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant MIMO(7)	DSI 2	165	5825	Battery 1	Sample 1	19.48	20.00	1.127	99.1	1.009	-0.04	0.703	0.799
	WLAN5GHz	802.11a 6Mbps	Right Tilted	0mm	Ant MIMO(7)	DSI 2	165	5825	Battery 1	Sample 1	19.48	20.00	1.127	99.1	1.009	-0.09	0.167	0.190
	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant MIMO(7)	DSI 2	165	5825	Battery 1	Sample 1	19.48	20.00	1.127	99.1	1.009	0.06	0.517	0.588
	WLAN5GHz	802.11a 6Mbps	Left Tilted	0mm	Ant MIMO(7)	DSI 2	165	5825	Battery 1	Sample 1	19.48	20.00	1.127	99.1	1.009	0.12	0.155	0.176
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant MIMO(7)	DSI 2	165	5825	Battery 1	Sample 3	19.48	20.00	1.127	99.1	1.009	-0.17	0.672	0.764
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant MIMO(7)	DSI 2	165	5825	Battery 1	Sample 5	19.48	20.00	1.127	99.1	1.009	-0.01	0.677	0.770
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant MIMO(7)	DSI 2	165	5825	Battery 1	Sample 6	19.48	20.00	1.127	99.1	1.009	0.15	0.654	0.744
35	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant MIMO(7)	DSI 2	165	5825	Battery 1	Sample 10	19.48	20.00	1.127	99.1	1.009	-0.06	1.050	1.194
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant MIMO(7)	DSI 2	149	5745	Battery 1	Sample 10	19.26	20.00	1.186	99.1	1.009	-0.07	0.839	1.004
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant MIMO(7)	DSI 2	157	5785	Battery 1	Sample 10	19.46	20.00	1.132	99.1	1.009	-0.10	0.961	1.098
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant MIMO(7)	DSI 2	165	5825	Battery 2	Sample 10	19.48	20.00	1.127	99.1	1.009	0.11	1.020	1.160



【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	802.11be-EHT320 MCS0	Right Cheek	0mm	Ant MIMO(6)	DSI 2	127	6585	Battery 1	Sample 1	16.89	17.50	1.151	99.63	1.004	-0.05	0.357	0.413	2.610	3.016
	WLAN6GHz	802.11be-EHT320 MCS0	Right Cheek	0mm	Ant MIMO(6)	DSI 2	31	6105	Battery 1	Sample 1	16.67	17.50	1.211	99.63	1.004	-0.09	0.547	0.665	4.130	5.021
	WLAN6GHz	802.11be-EHT320 MCS0	Right Cheek	0mm	Ant MIMO(6)	DSI 2	63	6265	Battery 1	Sample 1	16.54	17.50	1.247	99.63	1.004	-0.03	0.643	0.805	4.840	6.060
	WLAN6GHz	802.11be-EHT320 MCS0	Right Cheek	0mm	Ant MIMO(7)	DSI 2	95	6425	Battery 1	Sample 1	16.77	17.50	1.183	99.63	1.004	0.16	0.624	0.741	4.730	5.618
	WLAN6GHz	802.11be-EHT320 MCS0	Right Cheek	0mm	Ant MIMO(6)	DSI 2	159	6745	Battery 1	Sample 1	16.69	17.50	1.205	99.63	1.004	-0.04	0.374	0.452	2.790	3.375
	WLAN6GHz	802.11be-EHT320 MCS0	Right Cheek	0mm	Ant MIMO(7)	DSI 2	191	6905	Battery 1	Sample 1	16.81	17.50	1.172	99.63	1.004	0.05	0.220	0.259	1.680	1.977
	WLAN6GHz	802.11be-EHT320 MCS0	Right Tilted	0mm	Ant MIMO(6)	DSI 2	127	6585	Battery 1	Sample 1	16.89	17.50	1.151	99.63	1.004	0.06	0.094	0.109	0.743	0.859
	WLAN6GHz	802.11be-EHT320 MCS0	Left Cheek	0mm	Ant MIMO(6)	DSI 2	127	6585	Battery 1	Sample 1	16.89	17.50	1.151	99.63	1.004	-0.13	0.267	0.309	2.060	2.381
	WLAN6GHz	802.11be-EHT320 MCS0	Left Tilted	0mm	Ant MIMO(6)	DSI 2	127	6585	Battery 1	Sample 1	16.89	17.50	1.151	99.63	1.004	-0.02	0.144	0.166	1.150	1.329
	WLAN6GHz	802.11be-EHT320 MCS0	Right Cheek	0mm	Ant MIMO(6)	DSI 2	63	6265	Battery 1	Sample 3	16.54	17.50	1.247	99.63	1.004	-0.06	0.635	0.795	4.890	6.122
	WLAN6GHz	802.11be-EHT320 MCS0	Right Cheek	0mm	Ant MIMO(6)	DSI 2	63	6265	Battery 1	Sample 5	16.54	17.50	1.247	99.63	1.004	-0.07	0.578	0.724	4.250	5.321
	WLAN6GHz	802.11be-EHT320 MCS0	Right Cheek	0mm	Ant MIMO(6)	DSI 2	63	6265	Battery 1	Sample 6	16.54	17.50	1.247	99.63	1.004	0.01	0.560	0.701	4.170	5.221
36	WLAN6GHz	802.11be-EHT320 MCS0	Right Cheek	0mm	Ant MIMO(6)	DSI 2	63	6265	Battery 1	Sample 10	16.54	17.50	1.247	99.63	1.004	0.15	0.731	0.915	5.500	6.886
	WLAN6GHz	802.11be-EHT320 MCS0	Right Cheek	0mm	Ant MIMO(6)	DSI 2	63	6265	Battery 2	Sample 10	16.54	17.50	1.247	99.63	1.004	-0.06	0.722	0.904	5.190	6.498

【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	DSI 2	78	2480	Battery 1	Sample 1	6.41	7.00	1.146	77.07	1.081	-0.14	0.012	0.015
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 6	DSI 2	78	2480	Battery 1	Sample 1	6.41	7.00	1.146	77.07	1.081	0.04	0.009	0.011
37	Bluetooth	1Mbps	Left Cheek	0mm	Ant 6	DSI 2	78	2480	Battery 1	Sample 1	6.41	7.00	1.146	77.07	1.081	0.03	0.036	0.045
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 6	DSI 2	78	2480	Battery 1	Sample 1	6.41	7.00	1.146	77.07	1.081	-0.11	0.013	0.016
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 6	DSI 2	78	2480	Battery 1	Sample 3	6.41	7.00	1.146	77.07	1.081	0.01	0.027	0.033
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 6	DSI 2	78	2480	Battery 1	Sample 5	6.41	7.00	1.146	77.07	1.081	-0.18	0.024	0.030
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 6	DSI 2	78	2480	Battery 1	Sample 6	6.41	7.00	1.146	77.07	1.081	-0.12	0.029	0.036
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 6	DSI 2	78	2480	Battery 1	Sample 10	6.41	7.00	1.146	77.07	1.081	0.03	0.026	0.032
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 6	DSI 2	78	2480	Battery 2	Sample 1	6.41	7.00	1.146	77.07	1.081	0.01	0.028	0.035
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 7	DSI 2	0	2402	Battery 1	Sample 1	6.41	7.00	1.146	76.93	1.083	-0.02	0.019	0.024
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 7	DSI 2	0	2402	Battery 1	Sample 1	6.41	7.00	1.146	76.93	1.083	-0.01	0.004	0.005
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 7	DSI 2	0	2402	Battery 1	Sample 1	6.41	7.00	1.146	76.93	1.083	0.06	0.016	0.020
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 7	DSI 2	0	2402	Battery 1	Sample 1	6.41	7.00	1.146	76.93	1.083	-0.15	0.007	0.009
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 7	DSI 2	0	2402	Battery 1	Sample 3	6.41	7.00	1.146	76.93	1.083	0.05	0.015	0.019
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 7	DSI 2	0	2402	Battery 1	Sample 5	6.41	7.00	1.146	76.93	1.083	0.14	0.018	0.022
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 7	DSI 2	0	2402	Battery 1	Sample 6	6.41	7.00	1.146	76.93	1.083	0.19	0.017	0.021
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 7	DSI 2	0	2402	Battery 1	Sample 10	6.41	7.00	1.146	76.93	1.083	-0.12	0.010	0.012
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 7	DSI 2	0	2402	Battery 2	Sample 1	6.41	7.00	1.146	76.93	1.083	-0.18	0.016	0.020

**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	128	824.2	Battery 1	Sample 1	25.92	27.30	1.374	0.03	0.141	0.194
	GSM850	GPRS 4 Tx slots	Back	10mm	Ant 8	DSI 3	128	824.2	Battery 1	Sample 1	25.92	27.30	1.374	0.11	0.277	0.381
	GSM850	GPRS 4 Tx slots	Left Edge	10mm	Ant 8	DSI 3	128	824.2	Battery 1	Sample 1	25.92	27.30	1.374	0.10	0.097	0.133
	GSM850	GPRS 4 Tx slots	Right Edge	10mm	Ant 8	DSI 3	128	824.2	Battery 1	Sample 1	25.92	27.30	1.374	0.14	0.040	0.055
	GSM850	GPRS 4 Tx slots	Top Edge	10mm	Ant 8	DSI 3	128	824.2	Battery 1	Sample 1	25.92	27.30	1.374	-0.14	0.198	0.272
	GSM850	GPRS 4 Tx slots	Back	10mm	Ant 8	DSI 3	128	824.2	Battery 1	Sample 3	25.92	27.30	1.374	-0.05	0.316	0.434
	GSM850	GPRS 4 Tx slots	Back	10mm	Ant 8	DSI 3	128	824.2	Battery 1	Sample 5	25.92	27.30	1.374	-0.07	0.247	0.339
38	GSM850	GPRS 4 Tx slots	Back	10mm	Ant 8	DSI 3	128	824.2	Battery 1	Sample 6	25.92	27.30	1.374	-0.08	0.328	0.451
	GSM850	GPRS 2 Tx slots	Back_Slant	10mm	Ant 8	DSI 3	128	824.2	Battery 1	Sample 10	25.92	27.30	1.374	-0.10	0.237	0.326
	GSM850	GPRS 4 Tx slots	Back	10mm	Ant 8	DSI 3	128	824.2	Battery 1	Sample 6	25.92	27.30	1.374	0.04	0.317	0.436
	GSM850	GPRS 4 Tx slots	Back	10mm	Ant 8	DSI 3	128	824.2	Battery 2	Sample 6	25.92	27.30	1.374	0.06	0.321	0.441
	GSM850	GPRS 4 Tx slots	Back	25mm	Ant 8	DSI 3	128	824.2	Battery 1	Sample 6	25.92	27.30	1.374	0.02	0.067	0.092
	GSM1900	GPRS 2 Tx slots	Front	10mm	Ant 1	DSI 3	810	1909.8	Battery 1	Sample 1	26.19	27.50	1.352	0.18	0.072	0.097
	GSM1900	GPRS 2 Tx slots	Back	10mm	Ant 1	DSI 3	810	1909.8	Battery 1	Sample 1	26.19	27.50	1.352	-0.00	0.172	0.233
	GSM1900	GPRS 2 Tx slots	Left Edge	10mm	Ant 1	DSI 3	810	1909.8	Battery 1	Sample 1	26.19	27.50	1.352	0.13	0.128	0.173
	GSM1900	GPRS 2 Tx slots	Right Edge	10mm	Ant 1	DSI 3	810	1909.8	Battery 1	Sample 1	26.19	27.50	1.352	-0.18	0.024	0.032
	GSM1900	GPRS 2 Tx slots	Top Edge	10mm	Ant 1	DSI 3	810	1909.8	Battery 1	Sample 1	26.19	27.50	1.352	-0.04	0.041	0.055
	GSM1900	GPRS 2 Tx slots	Back	10mm	Ant 1	DSI 3	810	1909.8	Battery 1	Sample 3	26.19	27.50	1.352	-0.08	0.151	0.204
	GSM1900	GPRS 2 Tx slots	Back	10mm	Ant 1	DSI 3	810	1909.8	Battery 1	Sample 5	26.19	27.50	1.352	0.02	0.170	0.230
39	GSM1900	GPRS 2 Tx slots	Back	10mm	Ant 1	DSI 3	810	1909.8	Battery 1	Sample 6	26.19	27.50	1.352	0.05	0.197	0.266
	GSM1900	GPRS 2 Tx slots	Back_Slant	10mm	Ant 1	DSI 3	810	1909.8	Battery 1	Sample 10	26.19	27.50	1.352	0.09	0.144	0.195
	GSM1900	GPRS 2 Tx slots	Back	10mm	Ant 1	DSI 3	810	1909.8	Battery 2	Sample 6	26.19	27.50	1.352	0.02	0.188	0.254
	GSM1900	GPRS 2 Tx slots	Back	25mm	Ant 1	DSI 3	810	1909.8	Battery 1	Sample 6	26.19	27.50	1.352	-0.01	0.041	0.055

[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 1	DSI 3	9400	1880	Battery 1	Sample 1	22.00	22.30	1.072	0.13	0.105	0.113
	WCDMA II	RMC 12.2Kbps	Back	10mm	Ant 1	DSI 3	9400	1880	Battery 1	Sample 1	22.00	22.30	1.072	0.05	0.299	0.321
	WCDMA II	RMC 12.2Kbps	Left Edge	10mm	Ant 1	DSI 3	9400	1880	Battery 1	Sample 1	22.00	22.30	1.072	0.06	0.269	0.288
	WCDMA II	RMC 12.2Kbps	Right Edge	10mm	Ant 1	DSI 3	9400	1880	Battery 1	Sample 1	22.00	22.30	1.072	0.16	0.021	0.023
	WCDMA II	RMC 12.2Kbps	Top Edge	10mm	Ant 1	DSI 3	9400	1880	Battery 1	Sample 1	22.00	22.30	1.072	0.11	0.055	0.059
40	WCDMA II	RMC 12.2Kbps	Back	10mm	Ant 1	DSI 3	9400	1880	Battery 1	Sample 3	22.00	22.30	1.072	-0.00	0.358	0.384
	WCDMA II	RMC 12.2Kbps	Back	10mm	Ant 1	DSI 3	9400	1880	Battery 1	Sample 5	22.00	22.30	1.072	-0.18	0.298	0.319
	WCDMA II	RMC 12.2Kbps	Back	10mm	Ant 1	DSI 3	9400	1880	Battery 1	Sample 6	22.00	22.30	1.072	0.13	0.341	0.366
	WCDMA II	RMC 12.2Kbps	Back_Slant	10mm	Ant 1	DSI 3	9400	1880	Battery 1	Sample 10	22.00	22.30	1.072	-0.10	0.350	0.375
	WCDMA II	RMC 12.2Kbps	Back	10mm	Ant 1	DSI 3	9400	1880	Battery 2	Sample 3	22.00	22.30	1.072	0.06	0.342	0.367
	WCDMA II	RMC 12.2Kbps	Back	25mm	Ant 1	DSI 0	9400	1880	Battery 1	Sample 3	24.21	25.00	1.199	-0.04	0.080	0.096
	WCDMA IV	RMC 12.2Kbps	Front	10mm	Ant 1	DSI 3	1413	1732.6	Battery 1	Sample 1	20.93	21.30	1.089	0.03	0.111	0.121
	WCDMA IV	RMC 12.2Kbps	Back	10mm	Ant 1	DSI 3	1413	1732.6	Battery 1	Sample 1	20.93	21.30	1.089	-0.17	0.320	0.348
	WCDMA IV	RMC 12.2Kbps	Left Edge	10mm	Ant 1	DSI 3	1413	1732.6	Battery 1	Sample 1	20.93	21.30	1.089	-0.12	0.186	0.203
	WCDMA IV	RMC 12.2Kbps	Right Edge	10mm	Ant 1	DSI 3	1413	1732.6	Battery 1	Sample 1	20.93	21.30	1.089	-0.17	0.020	0.022
	WCDMA IV	RMC 12.2Kbps	Top Edge	10mm	Ant 1	DSI 3	1413	1732.6	Battery 1	Sample 1	20.93	21.30	1.089	-0.14	0.094	0.102
	WCDMA IV	RMC 12.2Kbps	Back	10mm	Ant 1	DSI 3	1413	1732.6	Battery 1	Sample 3	20.93	21.30	1.089	-0.10	0.334	0.364
	WCDMA IV	RMC 12.2Kbps	Back	10mm	Ant 1	DSI 3	1413	1732.6	Battery 1	Sample 5	20.93	21.30	1.089	0.07	0.278	0.303
	WCDMA IV	RMC 12.2Kbps	Back	10mm	Ant 1	DSI 3	1413	1732.6	Battery 1	Sample 6	20.93	21.30	1.089	-0.15	0.291	0.317
41	WCDMA IV	RMC 12.2Kbps	Back_Slant	10mm	Ant 1	DSI 3	1413	1732.6	Battery 1	Sample 10	20.93	21.30	1.089	-0.04	0.426	0.464
	WCDMA IV	RMC 12.2Kbps	Back_Slant	10mm	Ant 1	DSI 3	1413	1732.6	Battery 2	Sample 10	20.93	21.30	1.089	0.09	0.415	0.452
	WCDMA IV	RMC 12.2Kbps	Back_Slant	25mm	Ant 1	DSI 0	1413	1732.6	Battery 1	Sample 10	24.35	25.00	1.161	-0.02	0.080	0.093
	WCDMA V	RMC 12.2Kbps	Front	10mm	Ant 8	DSI 3	4233	846.6	Battery 1	Sample 1	23.47	24.00	1.13	-0.18	0.116	0.131
	WCDMA V	RMC 12.2Kbps	Back	10mm	Ant 8	DSI 3	4233	846.6	Battery 1	Sample 1	23.47	24.00	1.13	0.15	0.256	0.289
	WCDMA V	RMC 12.2Kbps	Left Edge	10mm	Ant 8	DSI 3	4233	846.6	Battery 1	Sample 1	23.47	24.00	1.13	-0.14	0.076	0.086
	WCDMA V	RMC 12.2Kbps	Right Edge	10mm	Ant 8	DSI 3	4233	846.6	Battery 1	Sample 1	23.47	24.00	1.13	0.07	0.026	0.029
	WCDMA V	RMC 12.2Kbps	Top Edge	10mm	Ant 8	DSI 3	4233	846.6	Battery 1	Sample 1	23.47	24.00	1.13	0.05	0.157	0.177
42	WCDMA V	RMC 12.2Kbps	Back	10mm	Ant 8	DSI 3	4233	846.6	Battery 1	Sample 3	23.47	24.00	1.13	-0.05	0.283	0.320
	WCDMA V	RMC 12.2Kbps	Back	10mm	Ant 8	DSI 3	4233	846.6	Battery 1	Sample 5	23.47	24.00	1.13	-0.07	0.205	0.232
	WCDMA V	RMC 12.2Kbps	Back	10mm	Ant 8	DSI 3	4233	846.6	Battery 1	Sample 6	23.47	24.00	1.13	0.08	0.238	0.269
	WCDMA V	RMC 12.2Kbps	Back_Slant	10mm	Ant 8	DSI 3	4233	846.6	Battery 1	Sample 10	23.47	24.00	1.13	-0.09	0.231	0.261
	WCDMA V	RMC 12.2Kbps	Back	10mm	Ant 8	DSI 3	4233	846.6	Battery 2	Sample 3	23.47	24.00	1.13	0.03	0.267	0.302
	WCDMA V	RMC 12.2Kbps	Back	25mm	Ant 8	DSI 0	4233	846.6	Battery 1	Sample 3	24.47	25.00	1.13	-0.04	0.062	0.070



FCC SAR TEST REPORT

Report No. : FA5N0611-01B

[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 7	20M	QPSK	1	0	Front	10mm	Ant 8	DSI 3	21350	2560	Battery 1	Sample 1	21.10	21.60	1.122			0.04	0.221	0.248
	LTE Band 7	20M	QPSK	50	0	Front	10mm	Ant 8	DSI 3	21350	2560	Battery 1	Sample 1	20.09	20.60	1.125			0.16	0.170	0.191
	LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	21350	2560	Battery 1	Sample 1	21.10	21.60	1.122			-0.02	0.336	0.377
	LTE Band 7	20M	QPSK	50	0	Back	10mm	Ant 8	DSI 3	21350	2560	Battery 1	Sample 1	20.09	20.60	1.125			-0.10	0.262	0.295
	LTE Band 7	20M	QPSK	1	0	Left Edge	10mm	Ant 8	DSI 3	21350	2560	Battery 1	Sample 1	21.10	21.60	1.122			-0.02	0.273	0.306
	LTE Band 7	20M	QPSK	50	0	Left Edge	10mm	Ant 8	DSI 3	21350	2560	Battery 1	Sample 1	20.09	20.60	1.125			-0.11	0.211	0.237
	LTE Band 7	20M	QPSK	1	0	Right Edge	10mm	Ant 8	DSI 3	21350	2560	Battery 1	Sample 1	21.10	21.60	1.122			-0.06	0.039	0.044
	LTE Band 7	20M	QPSK	50	0	Right Edge	10mm	Ant 8	DSI 3	21350	2560	Battery 1	Sample 1	20.09	20.60	1.125			0.12	0.030	0.034
	LTE Band 7	20M	QPSK	1	0	Top Edge	10mm	Ant 8	DSI 3	21350	2560	Battery 1	Sample 1	21.10	21.60	1.122			-0.06	0.177	0.199
	LTE Band 7	20M	QPSK	50	0	Top Edge	10mm	Ant 8	DSI 3	21350	2560	Battery 1	Sample 1	20.09	20.60	1.125			-0.12	0.136	0.153
	LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	21350	2560	Battery 1	Sample 3	21.10	21.60	1.122			-0.12	0.395	0.443
43	LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	21350	2560	Battery 1	Sample 5	21.10	21.60	1.122			-0.01	0.433	0.486
	LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	21350	2560	Battery 1	Sample 6	21.10	21.60	1.122			0.17	0.381	0.427
	LTE Band 7	20M	QPSK	1	0	Back_Slant	10mm	Ant 8	DSI 3	21350	2560	Battery 1	Sample 10	21.10	21.60	1.122			-0.05	0.373	0.419
	LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	21350	2560	Battery 2	Sample 5	21.10	21.60	1.122			-0.04	0.418	0.469
	LTE Band 7	20M	QPSK	1	0	Back	25mm	Ant 8	DSI 0	21350	2560	Battery 1	Sample 5	24.13	25.00	1.222			-0.03	0.080	0.098
	LTE Band 7	20M	QPSK	1	0	Front	10mm	Ant 5	DSI 3	21100	2535	Battery 1	Sample 1	17.80	18.70	1.23			-0.04	0.062	0.076
	LTE Band 7	20M	QPSK	50	0	Front	10mm	Ant 5	DSI 3	21100	2535	Battery 1	Sample 1	17.45	18.70	1.334			-0.19	0.055	0.073
	LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 5	DSI 3	21100	2535	Battery 1	Sample 1	17.80	18.70	1.23			-0.06	0.152	0.187
	LTE Band 7	20M	QPSK	50	0	Back	10mm	Ant 5	DSI 3	21100	2535	Battery 1	Sample 1	17.45	18.70	1.334			-0.11	0.137	0.183
	LTE Band 7	20M	QPSK	1	0	Left Edge	10mm	Ant 5	DSI 3	21100	2535	Battery 1	Sample 1	17.80	18.70	1.23			0.12	0.081	0.100
	LTE Band 7	20M	QPSK	50	0	Left Edge	10mm	Ant 5	DSI 3	21100	2535	Battery 1	Sample 1	17.45	18.70	1.334			0.12	0.072	0.096
	LTE Band 7	20M	QPSK	1	0	Right Edge	10mm	Ant 5	DSI 3	21100	2535	Battery 1	Sample 1	17.80	18.70	1.23			-0.04	0.026	0.032
	LTE Band 7	20M	QPSK	50	0	Right Edge	10mm	Ant 5	DSI 3	21100	2535	Battery 1	Sample 1	17.45	18.70	1.334			-0.01	0.023	0.031
	LTE Band 7	20M	QPSK	1	0	Bottom Edge	10mm	Ant 5	DSI 3	21100	2535	Battery 1	Sample 1	17.80	18.70	1.23			0.03	0.090	0.111
	LTE Band 7	20M	QPSK	50	0	Bottom Edge	10mm	Ant 5	DSI 3	21100	2535	Battery 1	Sample 1	17.45	18.70	1.334			0.09	0.080	0.107
	LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 5	DSI 3	21100	2535	Battery 1	Sample 3	17.80	18.70	1.23			-0.04	0.191	0.235
	LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 5	DSI 3	21100	2535	Battery 1	Sample 5	17.80	18.70	1.23			0.10	0.175	0.215
	LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 5	DSI 3	21100	2535	Battery 1	Sample 6	17.80	18.70	1.23			0.02	0.173	0.213
	LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 5	DSI 3	21100	2535	Battery 1	Sample 10	17.80	18.70	1.23			0.02	0.161	0.198
	LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 5	DSI 3	21100	2535	Battery 2	Sample 3	17.80	18.70	1.23			-0.13	0.166	0.204
	LTE Band 7	20M	QPSK	1	0	Back	25mm	Ant 5	DSI 0	21100	2535	Battery 1	Sample 3	24.12	25.00	1.225			0.02	0.057	0.070
	LTE Band 12	10M	QPSK	1	0	Front	10mm	Ant 8	DSI 3	23095	707.5	Battery 1	Sample 1	24.19	25.00	1.205			0.13	0.175	0.211
	LTE Band 12	10M	QPSK	25	0	Front	10mm	Ant 8	DSI 3	23095	707.5	Battery 1	Sample 1	23.19	24.00	1.205			0.13	0.135	0.163
44	LTE Band 12	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	23095	707.5	Battery 1	Sample 1	24.19	25.00	1.205			-0.12	0.218	0.263
	LTE Band 12	10M	QPSK	25	0	Back	10mm	Ant 8	DSI 3	23095	707.5	Battery 1	Sample 1	23.19	24.00	1.205			0.18	0.168	0.202
	LTE Band 12	10M	QPSK	1	0	Left Edge	10mm	Ant 8	DSI 3	23095	707.5	Battery 1	Sample 1	24.19	25.00	1.205			0.05	0.168	0.202
	LTE Band 12	10M	QPSK	25	0	Left Edge	10mm	Ant 8	DSI 3	23095	707.5	Battery 1	Sample 1	23.19	24.00	1.205			0.16	0.123	0.148
	LTE Band 12	10M	QPSK	1	0	Right Edge	10mm	Ant 8	DSI 3	23095	707.5	Battery 1	Sample 1	24.19	25.00	1.205			-0.16	0.102	0.123
	LTE Band 12	10M	QPSK	25	0	Right Edge	10mm	Ant 8	DSI 3	23095	707.5	Battery 1	Sample 1	23.19	24.00	1.205			-0.11	0.078	0.094
	LTE Band 12	10M	QPSK	1	0	Top Edge	10mm	Ant 8	DSI 3	23095	707.5	Battery 1	Sample 1	24.19	25.00	1.205			0.10	0.163	0.196
	LTE Band 12	10M	QPSK	25	0	Top Edge	10mm	Ant 8	DSI 3	23095	707.5	Battery 1	Sample 1	23.19	24.00	1.205			0.11	0.126	0.152
	LTE Band 12	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	23095	707.5	Battery 1	Sample 3	24.19	25.00	1.205			0.11	0.203	0.245
	LTE Band 12	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	23095	707.5	Battery 1	Sample 5	24.19	25.00	1.205			0.15	0.213	0.257
	LTE Band 12	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	23095	707.5	Battery 1	Sample 6	24.19	25.00	1.205			-0.08	0.190	0.229
	LTE Band 12	10M	QPSK	1	0	Back_Slant	10mm	Ant 8	DSI 3	23095	707.5	Battery 1	Sample 10	24.19	25.00	1.205			-0.05	0.201	0.242
	LTE Band 12	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	23095	707.5	Battery 2	Sample 1	24.19	25.00	1.205			0.03	0.211	0.254
	LTE Band 12	10M	QPSK	1	0	Back	25mm	Ant 8	DSI 3	23095	707.5	Battery 1	Sample 1	24.19	25.00	1.205			-0.06	0.127	0.153
	LTE Band 13	10M	QPSK	1	0	Front	10mm	Ant 8	DSI 3	23230	782	Battery 1	Sample 1	23.54	24.50	1.247			0.08	0.118	0.147
	LTE Band 13	10M	QPSK	25	0	Front	10mm	Ant 8	DSI 3	23230	782	Battery 1	Sample 1	22.65	23.50	1.216			-0.05	0.093	0.113
45	LTE Band 13	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	23230	782	Battery 1	Sample 1	23.54	24.50	1.247			-0.05	0.223	0.278
	LTE Band 13	10M	QPSK	25	0	Back	10mm	Ant 8	DSI 3	23230	782	Battery 1	Sample 1	22.65	23.50	1.216			-0.05	0.177	0.215
	LTE Band 13	10M	QPSK	1	0	Left Edge	10mm	Ant 8	DSI 3	23230	782	Battery 1	Sample 1	23.54	24.50	1.247			0.00	0.102	0.127
	LTE Band 13	10M	QPSK	25	0	Left Edge	10mm	Ant 8	DSI 3	23230	782	Battery 1	Sample 1	22.65	23.50	1.216			-0.09	0.081	0.098
	LTE Band 13	10M	QPSK	1	0	Right Edge	10mm	Ant 8	DSI 3	23230	782	Battery 1	Sample 1	23.54	24.50	1.247			0.08	0.050	0.062
	LTE Band 13	10M	QPSK	25	0	Right Edge	10mm	Ant 8	DSI 3	23230	782	Battery 1	Sample 1	22.65	23.50	1.216			0.08	0.041	0.050
	LTE Band 13	10M	QPSK	1	0	Top Edge	10mm	Ant 8	DSI 3	23230	782	Battery 1	Sample 1	23.54	24.50	1.247			0.07	0.157	0.196
	LTE Band 13	10M	QPSK	25	0	Top Edge	10mm	Ant 8	DSI 3	23230	782	Battery 1	Sample 1	22.65	23.50	1.216			0.08	0.125	0.152
	LTE Band 13	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	23230	782	Battery 1	Sample 3	23.54	24.50	1.247			-0.11	0.189	0.236
	LTE Band 13	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	23230	782	Battery 1	Sample 5	23.54	24.50	1.247			-0.06	0.205	0.256
	LTE Band 13	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	23230	782	Battery 1	Sample 6	23.54	24.50	1.247			-0.13	0.182	0.227
	LTE Band 13	10M	QPSK	1	0	Back_Slant	10mm	Ant 8	DSI 3	23230	782	Battery 1	Sample 10	23.54	24.50	1.247			-0.07	0.192	0.239
	LTE Band 13	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	23230	782	Battery 2	Sample 1	23.54	24.50	1.247			0.13	0.218	0.272
	LTE Band 13	10M	QPSK	1	0	Back	25mm	Ant 8	DSI 3	23230	782	Battery 1	Sample 1	23.54	24.50	1.247			-0.01	0.093	0.116
	LTE Band 14	10M	QPSK	1	0	Front	10mm	Ant 8	DSI 3	23330	793	Battery 1	Sample 1	23.71	24.50	1.199			-0.01	0.145	0.174
	LTE Band 14	10M	QPSK	25	0	Front	10mm	Ant 8	DSI 3	23330	793	Battery 1	Sample 1	22.76	23.50	1.186			-0.04	0.113	0.134
46	LTE Band 14	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	23330	793	Battery 1	Sample 1	23.71	24.50	1.199			-0.06	0.251	0.301



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	LTE Band 14	10M	QPSK	25	0	Left Edge	10mm	Ant 8	DSI 3	23330	793	Battery 1	Sample 1	22.76	23.50	1.186			-0.08	0.091	0.108
	LTE Band 14	10M	QPSK	1	0	Right Edge	10mm	Ant 8	DSI 3	23330	793	Battery 1	Sample 1	23.71	24.50	1.199			0.14	0.043	0.052
	LTE Band 14	10M	QPSK	25	0	Right Edge	10mm	Ant 8	DSI 3	23330	793	Battery 1	Sample 1	22.76	23.50	1.186			-0.09	0.034	0.040
	LTE Band 14	10M	QPSK	1	0	Top Edge	10mm	Ant 8	DSI 3	23330	793	Battery 1	Sample 1	23.71	24.50	1.199			0.08	0.194	0.233
	LTE Band 14	10M	QPSK	25	0	Top Edge	10mm	Ant 8	DSI 3	23330	793	Battery 1	Sample 1	22.76	23.50	1.186			-0.13	0.154	0.183
	LTE Band 14	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	23330	793	Battery 1	Sample 3	23.71	24.50	1.199			-0.05	0.222	0.266
	LTE Band 14	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	23330	793	Battery 1	Sample 5	23.71	24.50	1.199			0.01	0.238	0.285
	LTE Band 14	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	23330	793	Battery 1	Sample 6	23.71	24.50	1.199			0.13	0.201	0.241
	LTE Band 14	10M	QPSK	1	0	Back_Slant	10mm	Ant 8	DSI 3	23330	793	Battery 1	Sample 10	23.71	24.50	1.199			-0.08	0.204	0.245
	LTE Band 14	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	23330	793	Battery 2	Sample 1	23.71	24.50	1.199			-0.04	0.238	0.285
	LTE Band 14	10M	QPSK	1	0	Back	25mm	Ant 8	DSI 3	23330	793	Battery 1	Sample 1	23.71	24.50	1.199			-0.04	0.090	0.108
	LTE Band 25	20M	QPSK	1	0	Front	10mm	Ant 1	DSI 3	26340	1880	Battery 1	Sample 1	22.08	22.20	1.028			-0.10	0.111	0.114
	LTE Band 25	20M	QPSK	50	0	Front	10mm	Ant 1	DSI 3	26340	1880	Battery 1	Sample 1	21.13	21.20	1.016			-0.09	0.086	0.087
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 1	DSI 3	26340	1880	Battery 1	Sample 1	22.08	22.20	1.028			0.02	0.279	0.287
	LTE Band 25	20M	QPSK	50	0	Back	10mm	Ant 1	DSI 3	26340	1880	Battery 1	Sample 1	21.13	21.20	1.016			0.12	0.218	0.221
	LTE Band 25	20M	QPSK	1	0	Left Edge	10mm	Ant 1	DSI 3	26340	1880	Battery 1	Sample 1	22.08	22.20	1.028			-0.17	0.264	0.271
	LTE Band 25	20M	QPSK	50	0	Left Edge	10mm	Ant 1	DSI 3	26340	1880	Battery 1	Sample 1	21.13	21.20	1.016			0.06	0.206	0.209
	LTE Band 25	20M	QPSK	1	0	Right Edge	10mm	Ant 1	DSI 3	26340	1880	Battery 1	Sample 1	22.08	22.20	1.028			-0.15	0.014	0.014
	LTE Band 25	20M	QPSK	50	0	Right Edge	10mm	Ant 1	DSI 3	26340	1880	Battery 1	Sample 1	21.13	21.20	1.016			-0.01	0.010	0.010
	LTE Band 25	20M	QPSK	1	0	Top Edge	10mm	Ant 1	DSI 3	26340	1880	Battery 1	Sample 1	22.08	22.20	1.028			-0.18	0.054	0.056
	LTE Band 25	20M	QPSK	50	0	Top Edge	10mm	Ant 1	DSI 3	26340	1880	Battery 1	Sample 1	21.13	21.20	1.016			-0.03	0.043	0.044
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 1	DSI 3	26340	1880	Battery 1	Sample 3	22.08	22.20	1.028			-0.16	0.313	0.322
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 1	DSI 3	26340	1880	Battery 1	Sample 5	22.08	22.20	1.028			-0.10	0.296	0.304
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 1	DSI 3	26340	1880	Battery 1	Sample 6	22.08	22.20	1.028			-0.05	0.329	0.338
	LTE Band 25	20M	QPSK	1	0	Back_Slant	10mm	Ant 1	DSI 3	26340	1880	Battery 1	Sample 10	22.08	22.20	1.028			-0.06	0.399	0.410
	LTE Band 25	20M	QPSK	1	0	Back_Slant	10mm	Ant 1	DSI 3	26340	1880	Battery 2	Sample 10	22.08	22.20	1.028			0.02	0.384	0.395
	LTE Band 25	20M	QPSK	1	0	Back_Slant	25mm	Ant 1	DSI 0	26340	1880	Battery 1	Sample 10	24.08	25.00	1.236			-0.11	0.089	0.110
	LTE Band 25	20M	QPSK	1	0	Front	10mm	Ant 5	DSI 3	26340	1880	Battery 1	Sample 1	22.18	23.00	1.208			-0.11	0.224	0.271
	LTE Band 25	20M	QPSK	50	0	Front	10mm	Ant 5	DSI 3	26340	1880	Battery 1	Sample 1	22.15	23.00	1.216			-0.16	0.217	0.264
47	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 5	DSI 3	26340	1880	Battery 1	Sample 1	22.18	23.00	1.208			-0.13	0.347	0.419
	LTE Band 25	20M	QPSK	50	0	Back	10mm	Ant 5	DSI 3	26340	1880	Battery 1	Sample 1	22.15	23.00	1.216			0.04	0.336	0.409
	LTE Band 25	20M	QPSK	1	0	Left Edge	10mm	Ant 5	DSI 3	26340	1880	Battery 1	Sample 1	22.18	23.00	1.208			-0.12	0.075	0.091
	LTE Band 25	20M	QPSK	50	0	Left Edge	10mm	Ant 5	DSI 3	26340	1880	Battery 1	Sample 1	22.15	23.00	1.216			0.12	0.073	0.089
	LTE Band 25	20M	QPSK	1	0	Right Edge	10mm	Ant 5	DSI 3	26340	1880	Battery 1	Sample 1	22.18	23.00	1.208			0.04	0.033	0.040
	LTE Band 25	20M	QPSK	50	0	Right Edge	10mm	Ant 5	DSI 3	26340	1880	Battery 1	Sample 1	22.15	23.00	1.216			-0.18	0.031	0.038
	LTE Band 25	20M	QPSK	1	0	Bottom Edge	10mm	Ant 5	DSI 3	26340	1880	Battery 1	Sample 1	22.18	23.00	1.208			-0.18	0.315	0.381
	LTE Band 25	20M	QPSK	50	0	Bottom Edge	10mm	Ant 5	DSI 3	26340	1880	Battery 1	Sample 1	22.15	23.00	1.216			-0.01	0.305	0.371
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 5	DSI 3	26340	1880	Battery 1	Sample 3	22.18	23.00	1.208			0.05	0.338	0.408
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 5	DSI 3	26340	1880	Battery 1	Sample 5	22.18	23.00	1.208			0.15	0.295	0.356
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 5	DSI 3	26340	1880	Battery 1	Sample 6	22.18	23.00	1.208			-0.07	0.329	0.397
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 5	DSI 3	26340	1880	Battery 1	Sample 10	22.18	23.00	1.208			0.18	0.300	0.362
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 5	DSI 3	26340	1880	Battery 2	Sample 1	22.18	23.00	1.208			0.11	0.339	0.410
	LTE Band 25	20M	QPSK	1	0	Back	25mm	Ant 5	DSI 0	26340	1880	Battery 1	Sample 1	23.65	25.00	1.365			0.09	0.091	0.124
	LTE Band 26	15M	QPSK	1	0	Front	10mm	Ant 8	DSI 3	26865	831.5	Battery 1	Sample 1	23.96	25.00	1.271			0.14	0.106	0.135
	LTE Band 26	15M	QPSK	36	0	Front	10mm	Ant 8	DSI 3	26865	831.5	Battery 1	Sample 1	22.99	24.00	1.262			-0.08	0.082	0.103
48	LTE Band 26	15M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	26865	831.5	Battery 1	Sample 1	23.96	25.00	1.271			-0.14	0.257	0.327
	LTE Band 26	15M	QPSK	36	0	Back	10mm	Ant 8	DSI 3	26865	831.5	Battery 1	Sample 1	22.99	24.00	1.262			-0.10	0.200	0.252
	LTE Band 26	15M	QPSK	1	0	Left Edge	10mm	Ant 8	DSI 3	26865	831.5	Battery 1	Sample 1	23.96	25.00	1.271			-0.10	0.086	0.109
	LTE Band 26	15M	QPSK	36	0	Left Edge	10mm	Ant 8	DSI 3	26865	831.5	Battery 1	Sample 1	22.99	24.00	1.262			0.10	0.066	0.083
	LTE Band 26	15M	QPSK	1	0	Right Edge	10mm	Ant 8	DSI 3	26865	831.5	Battery 1	Sample 1	23.96	25.00	1.271			-0.06	0.033	0.042
	LTE Band 26	15M	QPSK	36	0	Right Edge	10mm	Ant 8	DSI 3	26865	831.5	Battery 1	Sample 1	22.99	24.00	1.262			-0.14	0.025	0.032
	LTE Band 26	15M	QPSK	1	0	Top Edge	10mm	Ant 8	DSI 3	26865	831.5	Battery 1	Sample 1	23.96	25.00	1.271			0.06	0.149	0.189
	LTE Band 26	15M	QPSK	36	0	Top Edge	10mm	Ant 8	DSI 3	26865	831.5	Battery 1	Sample 1	22.99	24.00	1.262			-0.14	0.117	0.148
	LTE Band 26	15M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	26865	831.5	Battery 1	Sample 3	23.96	25.00	1.271			-0.09	0.199	0.253
	LTE Band 26	15M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	26865	831.5	Battery 1	Sample 5	23.96	25.00	1.271			-0.02	0.194	0.247
	LTE Band 26	15M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	26865	831.5	Battery 1	Sample 6	23.96	25.00	1.271			-0.06	0.193	0.245
	LTE Band 26	15M	QPSK	1	0	Back_Slant	10mm	Ant 8	DSI 3	26865	831.5	Battery 1	Sample 10	23.96	25.00	1.271			-0.11	0.231	0.294
	LTE Band 26	15M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	26865	831.5	Battery 2	Sample 1	23.96	25.00	1.271			0.04	0.243	0.309
	LTE Band 26	15M	QPSK	1	0	Back	25mm	Ant 8	DSI 3	26865	831.5	Battery 2	Sample 1	23.96	25.00	1.271			0.09	0.243	0.309
	LTE Band 26	15M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	26865	831.5	Battery 1	Sample 1	23.96	25.00	1.271			0.08	0.056	0.071
	LTE Band 30	10M	QPSK	1	0	Front	10mm	Ant 8	DSI 3	27710	2310	Battery 1	Sample 1	23.43	23.50	1.016			-0.17	0.195	0.198
	LTE Band 30	10M	QPSK	25	0	Front	10mm	Ant 8	DSI 3	27710	2310	Battery 1	Sample 1	22.25	22.50	1.059			0.11	0.144	0.152
	LTE Band 30	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	27710	2310	Battery 1	Sample 1	23.43	23.50	1.016			-0.03	0.308	0.313
	LTE Band 30	10M	QPSK	25	0	Back	10mm	Ant 8	DSI 3	27710	2310	Battery 1	Sample 1	22.25	22.50	1.059			-0.16	0.229	0.243
	LTE Band 30	10M	QPSK	1	0	Left Edge	10mm	Ant 8	DSI 3	27710	2310	Battery 1	Sample 1	23.43	23.50	1.016			-0.06	0.196	0.199
	LTE Band 30	10M	QPSK	25	0	Left Edge	10mm	Ant 8	DSI 3	27710	2310	Battery 1	Sample 1	22.25	22.50	1.059			-0.01	0.146	0.155
	LTE Band 30	10M	QPSK	1	0	Right Edge	10mm	Ant 8	DSI 3	27710	2310	Battery 1	Sample 1	23.43	23.50	1.016			0.05	0.043	0.044
	LTE Band 30	10M	QPSK	25	0	Right Edge	10mm	Ant 8	DSI 3	27710	2310	Battery 1	Sample 1	22.25	22.50	1.059			-0.04	0.032	



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	LTE Band 30	10M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	27710	2310	Battery 2	Sample 6	23.43	23.50	1.016			0.04	0.326	0.331
	LTE Band 30	10M	QPSK	1	0	Back	25mm	Ant 8	DSI 0	27710	2310	Battery 1	Sample 6	23.85	24.50	1.161			-0.01	0.057	0.066
	LTE Band 30	10M	QPSK	1	0	Front	10mm	Ant 5	DSI 3	27710	2310	Battery 1	Sample 1	19.84	20.40	1.138			-0.16	0.180	0.205
	LTE Band 30	10M	QPSK	25	0	Front	10mm	Ant 5	DSI 3	27710	2310	Battery 1	Sample 1	19.81	20.40	1.146			0.05	0.175	0.201
	LTE Band 30	10M	QPSK	1	0	Back	10mm	Ant 5	DSI 3	27710	2310	Battery 1	Sample 1	19.84	20.40	1.138			-0.08	0.213	0.242
	LTE Band 30	10M	QPSK	25	0	Back	10mm	Ant 5	DSI 3	27710	2310	Battery 1	Sample 1	19.81	20.40	1.146			-0.06	0.206	0.236
	LTE Band 30	10M	QPSK	1	0	Left Edge	10mm	Ant 5	DSI 3	27710	2310	Battery 1	Sample 1	19.84	20.40	1.138			0.08	0.098	0.112
	LTE Band 30	10M	QPSK	25	0	Left Edge	10mm	Ant 5	DSI 3	27710	2310	Battery 1	Sample 1	19.81	20.40	1.146			-0.12	0.094	0.108
	LTE Band 30	10M	QPSK	1	0	Right Edge	10mm	Ant 5	DSI 3	27710	2310	Battery 1	Sample 1	19.84	20.40	1.138			-0.10	0.021	0.024
	LTE Band 30	10M	QPSK	25	0	Right Edge	10mm	Ant 5	DSI 3	27710	2310	Battery 1	Sample 1	19.81	20.40	1.146			0.02	0.020	0.023
	LTE Band 30	10M	QPSK	1	0	Bottom Edge	10mm	Ant 5	DSI 3	27710	2310	Battery 1	Sample 1	19.84	20.40	1.138			0.00	0.111	0.126
	LTE Band 30	10M	QPSK	25	0	Bottom Edge	10mm	Ant 5	DSI 3	27710	2310	Battery 1	Sample 1	19.81	20.40	1.146			-0.03	0.106	0.121
	LTE Band 30	10M	QPSK	1	0	Back	10mm	Ant 5	DSI 3	27710	2310	Battery 1	Sample 3	19.84	20.40	1.138			0.01	0.138	0.157
	LTE Band 30	10M	QPSK	1	0	Back	10mm	Ant 5	DSI 3	27710	2310	Battery 1	Sample 5	19.84	20.40	1.138			0.11	0.182	0.207
	LTE Band 30	10M	QPSK	1	0	Back	10mm	Ant 5	DSI 3	27710	2310	Battery 1	Sample 6	19.84	20.40	1.138			0.18	0.175	0.199
	LTE Band 30	10M	QPSK	1	0	Back	10mm	Ant 5	DSI 3	27710	2310	Battery 1	Sample 10	19.84	20.40	1.138			-0.15	0.137	0.156
	LTE Band 30	10M	QPSK	1	0	Back	10mm	Ant 5	DSI 3	27710	2310	Battery 2	Sample 1	19.84	20.40	1.138			0.17	0.206	0.234
	LTE Band 30	10M	QPSK	1	0	Back	25mm	Ant 5	DSI 0	27710	2310	Battery 1	Sample 1	23.78	24.50	1.18			0.11	0.064	0.076
	LTE Band 66	20M	QPSK	1	0	Front	10mm	Ant 1	DSI 3	132322	1745	Battery 1	Sample 1	20.64	20.80	1.038			0.14	0.113	0.117
	LTE Band 66	20M	QPSK	50	0	Front	10mm	Ant 1	DSI 3	132322	1745	Battery 1	Sample 1	19.65	19.80	1.035			0.12	0.087	0.090
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 1	DSI 3	132322	1745	Battery 1	Sample 1	20.64	20.80	1.038			-0.11	0.385	0.400
	LTE Band 66	20M	QPSK	50	0	Back	10mm	Ant 1	DSI 3	132322	1745	Battery 1	Sample 1	19.65	19.80	1.035			0.12	0.300	0.310
	LTE Band 66	20M	QPSK	1	0	Left Edge	10mm	Ant 1	DSI 3	132322	1745	Battery 1	Sample 1	20.64	20.80	1.038			0.19	0.226	0.235
	LTE Band 66	20M	QPSK	50	0	Left Edge	10mm	Ant 1	DSI 3	132322	1745	Battery 1	Sample 1	19.65	19.80	1.035			0.09	0.176	0.182
	LTE Band 66	20M	QPSK	1	0	Right Edge	10mm	Ant 1	DSI 3	132322	1745	Battery 1	Sample 1	20.64	20.80	1.038			-0.19	0.024	0.025
	LTE Band 66	20M	QPSK	50	0	Right Edge	10mm	Ant 1	DSI 3	132322	1745	Battery 1	Sample 1	19.65	19.80	1.035			0.09	0.018	0.019
	LTE Band 66	20M	QPSK	1	0	Top Edge	10mm	Ant 1	DSI 3	132322	1745	Battery 1	Sample 1	20.64	20.80	1.038			-0.05	0.094	0.098
	LTE Band 66	20M	QPSK	50	0	Top Edge	10mm	Ant 1	DSI 3	132322	1745	Battery 1	Sample 1	19.65	19.80	1.035			-0.12	0.072	0.075
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 1	DSI 3	132322	1745	Battery 1	Sample 3	20.64	20.80	1.038			0.13	0.391	0.406
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 1	DSI 3	132322	1745	Battery 1	Sample 5	20.64	20.80	1.038			0.09	0.335	0.348
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 1	DSI 3	132322	1745	Battery 1	Sample 6	20.64	20.80	1.038			-0.03	0.428	0.444
50	LTE Band 66	20M	QPSK	1	0	Back Slant	10mm	Ant 1	DSI 3	132322	1745	Battery 1	Sample 10	20.64	20.80	1.038			-0.12	0.572	0.594
	LTE Band 66	20M	QPSK	1	0	Back Slant	10mm	Ant 1	DSI 3	132322	1745	Battery 2	Sample 10	20.64	20.80	1.038			0.09	0.566	0.588
	LTE Band 66	20M	QPSK	1	0	Back Slant	25mm	Ant 1	DSI 0	132322	1745	Battery 1	Sample 10	24.17	25.00	1.211			0.07	0.109	0.132
	LTE Band 66	20M	QPSK	1	0	Front	10mm	Ant 5	DSI 3	132322	1745	Battery 1	Sample 1	21.77	22.20	1.104			0.04	0.218	0.241
	LTE Band 66	20M	QPSK	50	0	Front	10mm	Ant 5	DSI 3	132322	1745	Battery 1	Sample 1	21.74	22.20	1.112			0.11	0.211	0.235
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 5	DSI 3	132322	1745	Battery 1	Sample 1	21.77	22.20	1.104			-0.04	0.202	0.223
	LTE Band 66	20M	QPSK	50	0	Back	10mm	Ant 5	DSI 3	132322	1745	Battery 1	Sample 1	21.74	22.20	1.112			0.12	0.194	0.216
	LTE Band 66	20M	QPSK	1	0	Left Edge	10mm	Ant 5	DSI 3	132322	1745	Battery 1	Sample 1	21.77	22.20	1.104			0.10	0.061	0.067
	LTE Band 66	20M	QPSK	50	0	Left Edge	10mm	Ant 5	DSI 3	132322	1745	Battery 1	Sample 1	21.74	22.20	1.112			-0.01	0.058	0.064
	LTE Band 66	20M	QPSK	1	0	Right Edge	10mm	Ant 5	DSI 3	132322	1745	Battery 1	Sample 1	21.77	22.20	1.104			0.02	0.038	0.042
	LTE Band 66	20M	QPSK	50	0	Right Edge	10mm	Ant 5	DSI 3	132322	1745	Battery 1	Sample 1	21.74	22.20	1.112			0.19	0.036	0.040
	LTE Band 66	20M	QPSK	1	0	Bottom Edge	10mm	Ant 5	DSI 3	132322	1745	Battery 1	Sample 1	21.77	22.20	1.104			0.17	0.273	0.301
	LTE Band 66	20M	QPSK	50	0	Bottom Edge	10mm	Ant 5	DSI 3	132322	1745	Battery 1	Sample 1	21.74	22.20	1.112			-0.10	0.265	0.295
	LTE Band 66	20M	QPSK	1	0	Bottom Edge	10mm	Ant 5	DSI 3	132322	1745	Battery 1	Sample 3	21.77	22.20	1.104			0.09	0.230	0.254
	LTE Band 66	20M	QPSK	1	0	Bottom Edge	10mm	Ant 5	DSI 3	132322	1745	Battery 1	Sample 5	21.77	22.20	1.104			0.11	0.192	0.212
	LTE Band 66	20M	QPSK	1	0	Bottom Edge	10mm	Ant 5	DSI 3	132322	1745	Battery 1	Sample 6	21.77	22.20	1.104			-0.04	0.280	0.309
	LTE Band 66	20M	QPSK	1	0	Bottom Edge	10mm	Ant 5	DSI 3	132322	1745	Battery 1	Sample 10	21.77	22.20	1.104			0.06	0.224	0.247
	LTE Band 66	20M	QPSK	1	0	Bottom Edge	10mm	Ant 5	DSI 3	132322	1745	Battery 2	Sample 6	21.77	22.20	1.104			0.17	0.269	0.297
	LTE Band 66	20M	QPSK	1	0	Bottom Edge	25mm	Ant 5	DSI 0	132322	1745	Battery 1	Sample 6	23.67	25.00	1.358			-0.07	0.063	0.086
	LTE Band 71	20M	QPSK	1	0	Front	10mm	Ant 8	DSI 3	133297	680.5	Battery 1	Sample 1	24.03	25.00	1.25			0.18	0.056	0.070
	LTE Band 71	20M	QPSK	50	0	Front	10mm	Ant 8	DSI 3	133297	680.5	Battery 1	Sample 1	22.86	24.00	1.3			0.00	0.001	0.001
51	LTE Band 71	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	133297	680.5	Battery 1	Sample 1	24.03	25.00	1.25			-0.16	0.092	0.115
	LTE Band 71	20M	QPSK	50	0	Back	10mm	Ant 8	DSI 3	133297	680.5	Battery 1	Sample 1	22.86	24.00	1.3			0.19	0.001	0.001
	LTE Band 71	20M	QPSK	1	0	Left Edge	10mm	Ant 8	DSI 3	133297	680.5	Battery 1	Sample 1	24.03	25.00	1.25			0.00	0.080	0.100
	LTE Band 71	20M	QPSK	50	0	Left Edge	10mm	Ant 8	DSI 3	133297	680.5	Battery 1	Sample 1	22.86	24.00	1.3			0.16	0.001	0.001
	LTE Band 71	20M	QPSK	1	0	Right Edge	10mm	Ant 8	DSI 3	133297	680.5	Battery 1	Sample 1	24.03	25.00	1.25			-0.13	0.023	0.029
	LTE Band 71	20M	QPSK	50	0	Right Edge	10mm	Ant 8	DSI 3	133297	680.5	Battery 1	Sample 1	22.86	24.00	1.3			0.05	0.001	0.001
	LTE Band 71	20M	QPSK	1	0	Top Edge	10mm	Ant 8	DSI 3	133297	680.5	Battery 1	Sample 1	24.03	25.00	1.25			0.15	0.060	0.075
	LTE Band 71	20M	QPSK	50	0	Top Edge	10mm	Ant 8	DSI 3	133297	680.5	Battery 1	Sample 1	22.86	24.00	1.3			0.16	0.001	0.001
	LTE Band 71	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	133297	680.5	Battery 1	Sample 3	24.03	25.00	1.25			0.00	0.088	0.110
	LTE Band 71	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	133297	680.5	Battery 1	Sample 5	24.03	25.00	1.25			0.14	0.088	0.110
	LTE Band 71	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	133297	680.5	Battery 1	Sample 6	24.03	25.00	1.25			-0.08	0.087	0.109
	LTE Band 71	20M	QPSK	1	0	Back Slant	10mm	Ant 8	DSI 3	133297	680.5	Battery 1	Sample 10	24.03	25.00	1.25			0.05	0.090	0.112
	LTE Band 71	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	133297	680.5	Battery 2	Sample 1	24.03	25.00	1.25			0.15	0.088	0.110
	LTE Band 71	20M	QPSK	1	0	Back	25mm	Ant 8	DSI 3	133297	680.5	Battery 1	Sample 1	24.03	25.00	1.25			0.01	0.047	0.059
	LTE Band 106	3M	QPSK	1	0	Front	10mm	Ant 8	DSI 3	134322	899	Battery 1	Sample 1	21.72	22.60	1.225			-0.03	0.159	0.195
	LTE Band 106	3M	QPSK	8	0	Front	10mm	Ant 8	DSI 3	134322	899	Battery 1	Sample 1	20.70	21.60	1.					



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	LTE Band 106	3M	QPSK	8	0	Right Edge	10mm	Ant 8	DSI 3	134322	899	Battery 1	Sample 1	20.70	21.60	1.23			0.17	0.039	0.048
	LTE Band 106	3M	QPSK	1	0	Top Edge	10mm	Ant 8	DSI 3	134322	899	Battery 1	Sample 1	21.72	22.60	1.225			-0.11	0.285	0.349
	LTE Band 106	3M	QPSK	8	0	Top Edge	10mm	Ant 8	DSI 3	134322	899	Battery 1	Sample 1	20.70	21.60	1.23			-0.04	0.221	0.272
	LTE Band 106	3M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	134322	899	Battery 1	Sample 3	21.72	22.60	1.225			-0.10	0.248	0.304
	LTE Band 106	3M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	134322	899	Battery 1	Sample 5	21.72	22.60	1.225			-0.13	0.262	0.321
	LTE Band 106	3M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	134322	899	Battery 1	Sample 6	21.72	22.60	1.225			0.15	0.261	0.320
	LTE Band 106	3M	QPSK	1	0	Back_Slant	10mm	Ant 8	DSI 3	134322	899	Battery 1	Sample 10	21.72	22.60	1.225			0.18	0.253	0.310
	LTE Band 106	3M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	134322	899	Battery 1	Sample 1	21.72	22.60	1.225			0.12	0.291	0.356
	LTE Band 106	3M	QPSK	1	0	Back	25mm	Ant 8	DSI 0	134322	899	Battery 1	Sample 1	24.20	25.00	1.202			0.01	0.066	0.079
	LTE Band 70	15M	QPSK	1	0	Front	10mm	Ant 1	DSI 3	133047	1702.5	Battery 1	Sample 1	21.68	22.20	1.127			0.16	0.054	0.061
	LTE Band 70	15M	QPSK	36	0	Front	10mm	Ant 1	DSI 3	133047	1702.5	Battery 1	Sample 1	20.71	21.20	1.119			-0.09	0.041	0.046
	LTE Band 70	15M	QPSK	1	0	Back	10mm	Ant 1	DSI 3	133047	1702.5	Battery 1	Sample 1	21.68	22.20	1.127			-0.10	0.129	0.145
	LTE Band 70	15M	QPSK	36	0	Back	10mm	Ant 1	DSI 3	133047	1702.5	Battery 1	Sample 1	20.71	21.20	1.119			0.13	0.100	0.112
	LTE Band 70	15M	QPSK	1	0	Left Edge	10mm	Ant 1	DSI 3	133047	1702.5	Battery 1	Sample 1	21.68	22.20	1.127			0.13	0.094	0.106
	LTE Band 70	15M	QPSK	36	0	Left Edge	10mm	Ant 1	DSI 3	133047	1702.5	Battery 1	Sample 1	20.71	21.20	1.119			0.15	0.073	0.082
	LTE Band 70	15M	QPSK	1	0	Right Edge	10mm	Ant 1	DSI 3	133047	1702.5	Battery 1	Sample 1	21.68	22.20	1.127			0.12	0.001	0.001
	LTE Band 70	15M	QPSK	36	0	Right Edge	10mm	Ant 1	DSI 3	133047	1702.5	Battery 1	Sample 1	20.71	21.20	1.119			-0.06	0.001	0.001
	LTE Band 70	15M	QPSK	1	0	Top Edge	10mm	Ant 1	DSI 3	133047	1702.5	Battery 1	Sample 1	21.68	22.20	1.127			0.12	0.043	0.048
	LTE Band 70	15M	QPSK	36	0	Top Edge	10mm	Ant 1	DSI 3	133047	1702.5	Battery 1	Sample 1	20.71	21.20	1.119			0.18	0.034	0.038
	LTE Band 70	15M	QPSK	1	0	Back	10mm	Ant 1	DSI 3	133047	1702.5	Battery 1	Sample 3	21.68	22.20	1.127			0.07	0.143	0.161
	LTE Band 70	15M	QPSK	1	0	Back	10mm	Ant 1	DSI 3	133047	1702.5	Battery 1	Sample 5	21.68	22.20	1.127			-0.02	0.135	0.152
	LTE Band 70	15M	QPSK	1	0	Back	10mm	Ant 1	DSI 3	133047	1702.5	Battery 1	Sample 6	21.68	22.20	1.127			0.19	0.172	0.194
53	LTE Band 70	15M	QPSK	1	0	Back_Slant	10mm	Ant 1	DSI 3	133047	1702.5	Battery 1	Sample 10	21.68	22.20	1.127			0.19	0.327	0.369
	LTE Band 70	15M	QPSK	1	0	Back_Slant	10mm	Ant 1	DSI 3	133047	1702.5	Battery 2	Sample 10	21.68	22.20	1.127			-0.02	0.318	0.358
	LTE Band 70	15M	QPSK	1	0	Back_Slant	25mm	Ant 1	DSI 0	133047	1702.5	Battery 1	Sample 10	24.16	25.00	1.213			-0.12	0.054	0.066
	LTE Band 70	15M	QPSK	1	0	Front	10mm	Ant 5	DSI 3	133047	1702.5	Battery 1	Sample 1	23.55	24.60	1.274			0.12	0.145	0.185
	LTE Band 70	15M	QPSK	36	0	Front	10mm	Ant 5	DSI 3	133047	1702.5	Battery 1	Sample 1	22.84	24.00	1.306			0.02	0.111	0.145
	LTE Band 70	15M	QPSK	1	0	Back	10mm	Ant 5	DSI 3	133047	1702.5	Battery 1	Sample 1	23.55	24.60	1.274			-0.11	0.207	0.264
	LTE Band 70	15M	QPSK	36	0	Back	10mm	Ant 5	DSI 3	133047	1702.5	Battery 1	Sample 1	22.84	24.00	1.306			0.01	0.172	0.225
	LTE Band 70	15M	QPSK	1	0	Left Edge	10mm	Ant 5	DSI 3	133047	1702.5	Battery 1	Sample 1	23.55	24.60	1.274			0.00	0.074	0.094
	LTE Band 70	15M	QPSK	36	0	Left Edge	10mm	Ant 5	DSI 3	133047	1702.5	Battery 1	Sample 1	22.84	24.00	1.306			0.10	0.061	0.080
	LTE Band 70	15M	QPSK	1	0	Right Edge	10mm	Ant 5	DSI 3	133047	1702.5	Battery 1	Sample 1	23.55	24.60	1.274			0.09	0.030	0.038
	LTE Band 70	15M	QPSK	36	0	Right Edge	10mm	Ant 5	DSI 3	133047	1702.5	Battery 1	Sample 1	22.84	24.00	1.306			-0.12	0.025	0.033
	LTE Band 70	15M	QPSK	1	0	Bottom Edge	10mm	Ant 5	DSI 3	133047	1702.5	Battery 1	Sample 1	23.55	24.60	1.274			-0.10	0.230	0.293
	LTE Band 70	15M	QPSK	36	0	Bottom Edge	10mm	Ant 5	DSI 3	133047	1702.5	Battery 1	Sample 1	22.84	24.00	1.306			-0.07	0.190	0.248
	LTE Band 70	15M	QPSK	1	0	Bottom Edge	10mm	Ant 5	DSI 3	133047	1702.5	Battery 1	Sample 3	23.55	24.60	1.274			-0.12	0.193	0.246
	LTE Band 70	15M	QPSK	1	0	Bottom Edge	10mm	Ant 5	DSI 3	133047	1702.5	Battery 1	Sample 5	23.55	24.60	1.274			-0.02	0.163	0.208
	LTE Band 70	15M	QPSK	1	0	Bottom Edge	10mm	Ant 5	DSI 3	133047	1702.5	Battery 1	Sample 6	23.55	24.60	1.274			-0.11	0.166	0.237
	LTE Band 70	15M	QPSK	1	0	Bottom Edge	10mm	Ant 5	DSI 3	133047	1702.5	Battery 1	Sample 10	23.55	24.60	1.274			-0.16	0.240	0.306
	LTE Band 70	15M	QPSK	1	0	Bottom Edge	10mm	Ant 5	DSI 3	133047	1702.5	Battery 2	Sample 10	23.55	24.60	1.274			0.15	0.229	0.292
	LTE Band 70	15M	QPSK	1	0	Bottom Edge	25mm	Ant 5	DSI 3	133047	1702.5	Battery 1	Sample 10	23.55	24.60	1.274			0.05	0.052	0.066
	LTE Band 41	20M	QPSK	1	0	Front	10mm	Ant 8	DSI 3	40620	2593	Battery 1	Sample 1	22.80	23.20	1.096	62.9	1.006	-0.16	0.211	0.233
	LTE Band 41	20M	QPSK	50	0	Front	10mm	Ant 8	DSI 3	40620	2593	Battery 1	Sample 1	21.78	22.20	1.102	62.9	1.006	-0.04	0.164	0.182
54	LTE Band 41	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	40620	2593	Battery 1	Sample 1	22.80	23.20	1.096	62.9	1.006	-0.04	0.374	0.412
	LTE Band 41	20M	QPSK	50	0	Back	10mm	Ant 8	DSI 3	40620	2593	Battery 1	Sample 1	21.78	22.20	1.102	62.9	1.006	-0.13	0.290	0.321
	LTE Band 41	20M	QPSK	1	0	Left Edge	10mm	Ant 8	DSI 3	40620	2593	Battery 1	Sample 1	22.80	23.20	1.096	62.9	1.006	-0.12	0.204	0.225
	LTE Band 41	20M	QPSK	50	0	Left Edge	10mm	Ant 8	DSI 3	40620	2593	Battery 1	Sample 1	21.78	22.20	1.102	62.9	1.006	0.14	0.158	0.175
	LTE Band 41	20M	QPSK	1	0	Right Edge	10mm	Ant 8	DSI 3	40620	2593	Battery 1	Sample 1	22.80	23.20	1.096	62.9	1.006	-0.00	0.031	0.034
	LTE Band 41	20M	QPSK	50	0	Right Edge	10mm	Ant 8	DSI 3	40620	2593	Battery 1	Sample 1	21.78	22.20	1.102	62.9	1.006	-0.17	0.023	0.025
	LTE Band 41	20M	QPSK	1	0	Top Edge	10mm	Ant 8	DSI 3	40620	2593	Battery 1	Sample 1	22.80	23.20	1.096	62.9	1.006	-0.09	0.190	0.209
	LTE Band 41	20M	QPSK	50	0	Top Edge	10mm	Ant 8	DSI 3	40620	2593	Battery 1	Sample 1	21.78	22.20	1.102	62.9	1.006	-0.16	0.148	0.164
	LTE Band 41 HPUE	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	40620	2593	Battery 1	Sample 1	24.76	24.80	1.009	42.9	1.009	0.04	0.395	0.402
	LTE Band 41	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	40620	2593	Battery 1	Sample 3	22.80	23.20	1.096	62.9	1.006	-0.06	0.317	0.350
	LTE Band 41	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	40620	2593	Battery 1	Sample 5	22.80	23.20	1.096	62.9	1.006	-0.04	0.367	0.405
	LTE Band 41	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	40620	2593	Battery 1	Sample 6	22.80	23.20	1.096	62.9	1.006	0.06	0.359	0.396
	LTE Band 41	20M	QPSK	1	0	Back_Slant	10mm	Ant 8	DSI 3	40620	2593	Battery 1	Sample 10	22.80	23.20	1.096	62.9	1.006	-0.17	0.281	0.310
	LTE Band 41	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	40620	2593	Battery 2	Sample 1	22.80	23.20	1.096	62.9	1.006	0.06	0.359	0.396
	LTE Band 41	20M	QPSK	1	0	Back	25mm	Ant 8	DSI 0	40620	2593	Battery 1	Sample 1	24.38	25.00	1.153	62.9	1.006	-0.02	0.082	0.095
	LTE Band 41	20M	QPSK	1	0	Front	10mm	Ant 5	DSI 3	40620	2593	Battery 1	Sample 1	19.93	20.80	1.222	62.9	1.006	0.15	0.076	0.093
	LTE Band 41	20M	QPSK	50	0	Front	10mm	Ant 5	DSI 3	40620	2593	Battery 1	Sample 1	19.83	20.80	1.25	62.9	1.006	0.01	0.072	0.091
	LTE Band 41	20M	QPSK	1	0	Back	10mm	Ant 5	DSI 3	40620	2593	Battery 1	Sample 1	19.93	20.80	1.222	62.9	1.006	-0.13	0.178	0.219
	LTE Band 41	20M	QPSK	50	0	Back	10mm	Ant 5	DSI 3	40620	2593	Battery 1	Sample 1	19.83	20.80	1.25	62.9	1.006	-0.05	0.171	0.215
	LTE Band 41	20M	QPSK	1	0	Left Edge	10mm	Ant 5	DSI 3	40620	2593	Battery 1	Sample 1	19.93	20.80	1.222	62.9	1.006	-0.16	0.085	0.104
	LTE Band 41	20M	QPSK	50	0	Left Edge	10mm	Ant 5	DSI 3	40620	2593	Battery 1	Sample 1	19.83	20.80	1.25	62.9	1.006	0.09	0.082	0.103
	LTE Band 41	20M	QPSK	1	0	Right Edge	10mm	Ant 5	DSI 3	40620	2593	Battery 1	Sample 1	19.93	20.80	1.222	62.9	1.006	-0.12	0.021	0.026
	LTE Band 41	20M	QPSK	50	0	Right Edge	10mm	Ant 5	DSI 3	40620	2593	Battery 1	Sample 1	19.83	20.80	1.25	62.9	1.006	0.14	0.02	



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	LTE Band 41	20M	QPSK	1	0	Back	10mm	Ant 5	DSI 3	40620	2593	Battery 1	Sample 6	19.93	20.80	1.222	62.9	1.006	0.11	0.195	0.240
	LTE Band 41	20M	QPSK	1	0	Back	10mm	Ant 5	DSI 3	40620	2593	Battery 1	Sample 10	19.93	20.80	1.222	62.9	1.006	0.16	0.178	0.219
	LTE Band 41	20M	QPSK	1	0	Back	10mm	Ant 5	DSI 3	40620	2593	Battery 2	Sample 5	19.93	20.80	1.222	62.9	1.006	-0.06	0.183	0.225
	LTE Band 41	20M	QPSK	1	0	Back	25mm	Ant 5	DSI 0	40620	2593	Battery 1	Sample 5	24.30	25.00	1.175	62.9	1.006	0.07	0.052	0.061
	LTE Band 48	20M	QPSK	1	0	Front	10mm	Ant 8	DSI 3	55340	3560	Battery 1	Sample 1	18.05	19.20	1.303	62.9	1.006	0.07	0.086	0.113
	LTE Band 48	20M	QPSK	50	0	Front	10mm	Ant 8	DSI 3	55340	3560	Battery 1	Sample 1	17.14	18.20	1.276	62.9	1.006	-0.18	0.069	0.089
55	LTE Band 48	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	55340	3560	Battery 1	Sample 1	18.05	19.20	1.303	62.9	1.006	0.09	0.382	0.501
	LTE Band 48	20M	QPSK	50	0	Back	10mm	Ant 8	DSI 3	55340	3560	Battery 1	Sample 1	17.14	18.20	1.276	62.9	1.006	-0.10	0.305	0.392
	LTE Band 48	20M	QPSK	1	0	Left Edge	10mm	Ant 8	DSI 3	55340	3560	Battery 1	Sample 1	18.05	19.20	1.303	62.9	1.006	0.15	0.346	0.454
	LTE Band 48	20M	QPSK	50	0	Left Edge	10mm	Ant 8	DSI 3	55340	3560	Battery 1	Sample 1	17.14	18.20	1.276	62.9	1.006	-0.15	0.271	0.348
	LTE Band 48	20M	QPSK	1	0	Right Edge	10mm	Ant 8	DSI 3	55340	3560	Battery 1	Sample 1	18.05	19.20	1.303	62.9	1.006	-0.09	0.018	0.024
	LTE Band 48	20M	QPSK	50	0	Right Edge	10mm	Ant 8	DSI 3	55340	3560	Battery 1	Sample 1	17.14	18.20	1.276	62.9	1.006	-0.17	0.013	0.017
	LTE Band 48	20M	QPSK	1	0	Top Edge	10mm	Ant 8	DSI 3	55340	3560	Battery 1	Sample 1	18.05	19.20	1.303	62.9	1.006	0.02	0.146	0.191
	LTE Band 48	20M	QPSK	50	0	Top Edge	10mm	Ant 8	DSI 3	55340	3560	Battery 1	Sample 1	17.14	18.20	1.276	62.9	1.006	-0.05	0.116	0.149
	LTE Band 48	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	55340	3560	Battery 1	Sample 3	18.05	19.20	1.303	62.9	1.006	-0.11	0.346	0.454
	LTE Band 48	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	55340	3560	Battery 1	Sample 5	18.05	19.20	1.303	62.9	1.006	0.14	0.316	0.414
	LTE Band 48	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	55340	3560	Battery 1	Sample 6	18.05	19.20	1.303	62.9	1.006	-0.06	0.335	0.439
	LTE Band 48	20M	QPSK	1	0	Back Slant	10mm	Ant 8	DSI 3	55340	3560	Battery 1	Sample 10	18.05	19.20	1.303	62.9	1.006	-0.15	0.296	0.388
	LTE Band 48	20M	QPSK	1	0	Back	10mm	Ant 8	DSI 3	55340	3560	Battery 2	Sample 1	18.05	19.20	1.303	62.9	1.006	0.11	0.366	0.480
	LTE Band 48	20M	QPSK	1	0	Back	25mm	Ant 8	DSI 0	55340	3560	Battery 1	Sample 1	23.42	23.50	1.019	62.9	1.006	-0.02	0.354	0.363
	LTE Band 48	20M	QPSK	1	0	Front	10mm	Ant 9	DSI 3	56640	3690	Battery 1	Sample 1	22.63	23.40	1.194	62.9	1.006	0.06	0.214	0.257
	LTE Band 48	20M	QPSK	50	0	Front	10mm	Ant 9	DSI 3	56640	3690	Battery 1	Sample 1	22.58	23.40	1.208	62.9	1.006	-0.03	0.207	0.252
	LTE Band 48	20M	QPSK	1	0	Back	10mm	Ant 9	DSI 3	56640	3690	Battery 1	Sample 1	22.63	23.40	1.194	62.9	1.006	0.04	0.373	0.448
	LTE Band 48	20M	QPSK	50	0	Back	10mm	Ant 9	DSI 3	56640	3690	Battery 1	Sample 1	22.58	23.40	1.208	62.9	1.006	0.12	0.362	0.440
	LTE Band 48	20M	QPSK	1	0	Left Edge	10mm	Ant 9	DSI 3	56640	3690	Battery 1	Sample 1	22.63	23.40	1.194	62.9	1.006	0.16	0.067	0.080
	LTE Band 48	20M	QPSK	50	0	Left Edge	10mm	Ant 9	DSI 3	56640	3690	Battery 1	Sample 1	22.58	23.40	1.208	62.9	1.006	0.08	0.065	0.079
	LTE Band 48	20M	QPSK	1	0	Right Edge	10mm	Ant 9	DSI 3	56640	3690	Battery 1	Sample 1	22.63	23.40	1.194	62.9	1.006	0.18	0.326	0.392
	LTE Band 48	20M	QPSK	50	0	Right Edge	10mm	Ant 9	DSI 3	56640	3690	Battery 1	Sample 1	22.58	23.40	1.208	62.9	1.006	-0.02	0.317	0.385
	LTE Band 48	20M	QPSK	1	0	Top Edge	10mm	Ant 9	DSI 3	56640	3690	Battery 1	Sample 1	22.63	23.40	1.194	62.9	1.006	-0.18	0.288	0.346
	LTE Band 48	20M	QPSK	50	0	Top Edge	10mm	Ant 9	DSI 3	56640	3690	Battery 1	Sample 1	22.58	23.40	1.208	62.9	1.006	0.11	0.278	0.338
	LTE Band 48	20M	QPSK	1	0	Back	10mm	Ant 9	DSI 3	56640	3690	Battery 1	Sample 3	22.63	23.40	1.194	62.9	1.006	-0.09	0.340	0.408
	LTE Band 48	20M	QPSK	1	0	Back	10mm	Ant 9	DSI 3	56640	3690	Battery 1	Sample 5	22.63	23.40	1.194	62.9	1.006	-0.01	0.397	0.477
	LTE Band 48	20M	QPSK	1	0	Back	10mm	Ant 9	DSI 3	56640	3690	Battery 1	Sample 6	22.63	23.40	1.194	62.9	1.006	-0.00	0.367	0.441
	LTE Band 48	20M	QPSK	1	0	Back Slant	10mm	Ant 9	DSI 3	56640	3690	Battery 1	Sample 10	22.63	23.40	1.194	62.9	1.006	-0.09	0.383	0.460
	LTE Band 48	20M	QPSK	1	0	Back	10mm	Ant 9	DSI 3	56640	3690	Battery 2	Sample 5	22.63	23.40	1.194	62.9	1.006	0.15	0.379	0.455
	LTE Band 48	20M	QPSK	1	0	Back	25mm	Ant 9	DSI 3	56640	3690	Battery 1	Sample 5	22.63	23.40	1.194	62.9	1.006	0.03	0.378	0.454

【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 n7	50M	BPSK	1	1	Front	10mm	Ant 8	DSI 3	507000	2535	Battery 1	Sample 1	21.20	22.30	1.288	-0.11	0.322	0.415
	FR1 n7	50M	BPSK	135	68	Front	10mm	Ant 8	DSI 3	507000	2535	Battery 1	Sample 1	21.19	22.30	1.291	-0.01	0.313	0.404
	FR1 n7	50M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	507000	2535	Battery 1	Sample 1	21.20	22.30	1.288	0.04	0.463	0.596
	FR1 n7	50M	BPSK	135	68	Back	10mm	Ant 8	DSI 3	507000	2535	Battery 1	Sample 1	21.19	22.30	1.291	-0.03	0.457	0.590
	FR1 n7	50M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	507000	2535	Battery 1	Sample 1	21.20	22.30	1.288	0.05	0.286	0.368
	FR1 n7	50M	BPSK	135	68	Left Edge	10mm	Ant 8	DSI 3	507000	2535	Battery 1	Sample 1	21.19	22.30	1.291	0.02	0.284	0.367
	FR1 n7	50M	BPSK	1	1	Right Edge	10mm	Ant 8	DSI 3	507000	2535	Battery 1	Sample 1	21.20	22.30	1.288	-0.02	0.068	0.088
	FR1 n7	50M	BPSK	135	68	Right Edge	10mm	Ant 8	DSI 3	507000	2535	Battery 1	Sample 1	21.19	22.30	1.291	-0.14	0.066	0.085
	FR1 n7	50M	BPSK	1	1	Top Edge	10mm	Ant 8	DSI 3	507000	2535	Battery 1	Sample 1	21.20	22.30	1.288	0.11	0.269	0.346
	FR1 n7	50M	BPSK	135	68	Top Edge	10mm	Ant 8	DSI 3	507000	2535	Battery 1	Sample 1	21.19	22.30	1.291	0.13	0.248	0.320
	FR1 n7	50M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	507000	2535	Battery 1	Sample 3	21.20	22.30	1.288	0.01	0.366	0.471
56	FR1 n7	50M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	507000	2535	Battery 1	Sample 5	21.20	22.30	1.288	0.07	0.486	0.626
	FR1 n7	50M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	507000	2535	Battery 1	Sample 6	21.20	22.30	1.288	0.05	0.414	0.533
	FR1 n7	50M	BPSK	1	1	Back_Slant	10mm	Ant 8	DSI 3	507000	2535	Battery 1	Sample 10	21.20	22.30	1.288	0.06	0.411	0.529
	FR1 n7	50M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	507000	2535	Battery 2	Sample 5	21.20	22.30	1.288	0.02	0.471	0.607
	FR1 n7	50M	BPSK	1	1	Back	25mm	Ant 8	DSI 0	507000	2535	Battery 1	Sample 5	24.25	25.00	1.189	-0.03	0.161	0.191
	FR1 n7	50M	BPSK	1	1	Front	10mm	Ant 5	DSI 3	507000	2535	Battery 1	Sample 1	18.35	18.80	1.109	0.13	0.090	0.100
	FR1 n7	50M	BPSK	135	68	Front	10mm	Ant 5	DSI 3	507000	2535	Battery 1	Sample 1	18.29	18.80	1.125	-0.08	0.088	0.099
	FR1 n7	50M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	507000	2535	Battery 1	Sample 1	18.35	18.80	1.109	-0.03	0.245	0.272
	FR1 n7	50M	BPSK	135	68	Back	10mm	Ant 5	DSI 3	507000	2535	Battery 1	Sample 1	18.29	18.80	1.125	-0.13	0.238	0.268
	FR1 n7	50M	BPSK	1	1	Left Edge	10mm	Ant 5	DSI 3	507000	2535	Battery 1	Sample 1	18.35	18.80	1.109	0.11	0.104	0.115
	FR1 n7	50M	BPSK	135	68	Left Edge	10mm	Ant 5	DSI 3	507000	2535	Battery 1	Sample 1	18.29	18.80	1.125	-0.09	0.100	0.113
	FR1 n7	50M	BPSK	1	1	Right Edge	10mm	Ant 5	DSI 3	507000	2535	Battery 1	Sample 1	18.35	18.80	1.109	0.16	0.029	0.032
	FR1 n7	50M	BPSK	135	68	Right Edge	10mm	Ant 5	DSI 3	507000	2535	Battery 1	Sample 1	18.29	18.80	1.125	0.18	0.027	0.030
	FR1 n7	50M	BPSK	1	1	Bottom Edge	10mm	Ant 5	DSI 3	507000	2535	Battery 1	Sample 1	18.35	18.80	1.109	-0.04	0.122	0.135
	FR1 n7	50M	BPSK	135	68	Bottom Edge	10mm	Ant 5	DSI 3	507000	2535	Battery 1	Sample 1	18.29	18.80	1.125	-0.15	0.118	0.133
	FR1 n7	50M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	507000	2535	Battery 1	Sample 3	18.35	18.80	1.109	-0.16	0.219	0.243
	FR1 n7	50M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	507000	2535	Battery 1	Sample 5	18.35	18.80	1.109	-0.02	0.260	0.288
	FR1 n7	50M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	507000	2535	Battery 1	Sample 6	18.35	18.80	1.109	0.12	0.245	0.272
	FR1 n7	50M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	507000	2535	Battery 1	Sample 10	18.35	18.80	1.109	-0.12	0.214	0.237



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	FR1 n7	50M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	507000	2535	Battery 2	Sample 5	18.35	18.80	1.109	0.07	0.246	0.273
	FR1 n7	50M	BPSK	1	1	Back	25mm	Ant 5	DSI 0	507000	2535	Battery 1	Sample 5	24.39	25.00	1.151	-0.02	0.176	0.203
	FR1 n12	15M	BPSK	1	1	Front	10mm	Ant 8	DSI 3	141500	707.5	Battery 1	Sample 1	24.00	25.00	1.259	-0.09	0.192	0.242
	FR1 n12	15M	BPSK	36	22	Front	10mm	Ant 8	DSI 3	141500	707.5	Battery 1	Sample 1	23.80	25.00	1.318	-0.14	0.180	0.237
	FR1 n12	15M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	141500	707.5	Battery 1	Sample 1	24.00	25.00	1.259	0.00	0.204	0.257
	FR1 n12	15M	BPSK	36	22	Back	10mm	Ant 8	DSI 3	141500	707.5	Battery 1	Sample 1	23.80	25.00	1.318	0.13	0.188	0.248
	FR1 n12	15M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	141500	707.5	Battery 1	Sample 1	24.00	25.00	1.259	-0.10	0.187	0.235
	FR1 n12	15M	BPSK	36	22	Left Edge	10mm	Ant 8	DSI 3	141500	707.5	Battery 1	Sample 1	23.80	25.00	1.318	-0.15	0.171	0.225
	FR1 n12	15M	BPSK	1	1	Right Edge	10mm	Ant 8	DSI 3	141500	707.5	Battery 1	Sample 1	24.00	25.00	1.259	-0.01	0.093	0.117
	FR1 n12	15M	BPSK	36	22	Right Edge	10mm	Ant 8	DSI 3	141500	707.5	Battery 1	Sample 1	23.80	25.00	1.318	0.14	0.087	0.115
	FR1 n12	15M	BPSK	1	1	Top Edge	10mm	Ant 8	DSI 3	141500	707.5	Battery 1	Sample 1	24.00	25.00	1.259	0.17	0.174	0.219
	FR1 n12	15M	BPSK	36	22	Top Edge	10mm	Ant 8	DSI 3	141500	707.5	Battery 1	Sample 1	23.80	25.00	1.318	0.04	0.164	0.216
57	FR1 n12	15M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	141500	707.5	Battery 1	Sample 3	24.00	25.00	1.259	-0.03	0.243	0.306
	FR1 n12	15M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	141500	707.5	Battery 1	Sample 5	24.00	25.00	1.259	-0.01	0.237	0.298
	FR1 n12	15M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	141500	707.5	Battery 1	Sample 6	24.00	25.00	1.259	0.13	0.213	0.268
	FR1 n12	15M	BPSK	1	1	Back_Slant	10mm	Ant 8	DSI 3	141500	707.5	Battery 1	Sample 10	24.00	25.00	1.259	-0.17	0.226	0.285
	FR1 n12	15M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	141500	707.5	Battery 2	Sample 3	24.00	25.00	1.259	0.02	0.229	0.288
	FR1 n12	15M	BPSK	1	1	Back	25mm	Ant 8	DSI 0	141500	707.5	Battery 1	Sample 3	24.00	25.00	1.259	0.00	0.125	0.157
	FR1 n13	10M	BPSK	1	1	Front	10mm	Ant 8	DSI 3	156400	782	Battery 1	Sample 1	23.26	24.50	1.33	0.11	0.146	0.194
	FR1 n13	10M	BPSK	25	14	Front	10mm	Ant 8	DSI 3	156400	782	Battery 1	Sample 1	23.23	24.50	1.34	0.06	0.142	0.190
	FR1 n13	10M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	156400	782	Battery 1	Sample 1	23.26	24.50	1.33	0.07	0.265	0.352
	FR1 n13	10M	BPSK	25	14	Back	10mm	Ant 8	DSI 3	156400	782	Battery 1	Sample 1	23.23	24.50	1.34	0.09	0.252	0.338
	FR1 n13	10M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	156400	782	Battery 1	Sample 1	23.26	24.50	1.33	-0.11	0.113	0.150
	FR1 n13	10M	BPSK	25	14	Left Edge	10mm	Ant 8	DSI 3	156400	782	Battery 1	Sample 1	23.23	24.50	1.34	0.09	0.098	0.131
	FR1 n13	10M	BPSK	1	1	Right Edge	10mm	Ant 8	DSI 3	156400	782	Battery 1	Sample 1	23.26	24.50	1.33	0.09	0.063	0.084
	FR1 n13	10M	BPSK	25	14	Right Edge	10mm	Ant 8	DSI 3	156400	782	Battery 1	Sample 1	23.23	24.50	1.34	0.10	0.057	0.076
	FR1 n13	10M	BPSK	1	1	Top Edge	10mm	Ant 8	DSI 3	156400	782	Battery 1	Sample 1	23.26	24.50	1.33	0.05	0.189	0.251
	FR1 n13	10M	BPSK	25	14	Top Edge	10mm	Ant 8	DSI 3	156400	782	Battery 1	Sample 1	23.23	24.50	1.34	0.09	0.178	0.239
58	FR1 n13	10M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	156400	782	Battery 1	Sample 3	23.26	24.50	1.33	-0.13	0.269	0.358
	FR1 n13	10M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	156400	782	Battery 1	Sample 5	23.26	24.50	1.33	0.03	0.235	0.313
	FR1 n13	10M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	156400	782	Battery 1	Sample 6	23.26	24.50	1.33	0.14	0.217	0.289
	FR1 n13	10M	BPSK	1	1	Back_Slant	10mm	Ant 8	DSI 3	156400	782	Battery 1	Sample 10	23.26	24.50	1.33	0.16	0.222	0.295
	FR1 n13	10M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	156400	782	Battery 2	Sample 3	23.26	24.50	1.33	0.06	0.258	0.343
	FR1 n13	10M	BPSK	1	1	Back	25mm	Ant 8	DSI 0	156400	782	Battery 1	Sample 3	23.26	24.50	1.33	0.05	0.079	0.105
	FR1 n14	10M	BPSK	1	1	Front	10mm	Ant 8	DSI 3	158600	793	Battery 1	Sample 1	23.23	24.50	1.34	-0.02	0.163	0.218
	FR1 n14	10M	BPSK	25	14	Front	10mm	Ant 8	DSI 3	158600	793	Battery 1	Sample 1	23.08	24.50	1.387	0.08	0.146	0.203
	FR1 n14	10M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	158600	793	Battery 1	Sample 1	23.23	24.50	1.34	-0.13	0.272	0.364
	FR1 n14	10M	BPSK	25	14	Back	10mm	Ant 8	DSI 3	158600	793	Battery 1	Sample 1	23.08	24.50	1.387	0.10	0.252	0.350
	FR1 n14	10M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	158600	793	Battery 1	Sample 1	23.23	24.50	1.34	-0.16	0.148	0.198
	FR1 n14	10M	BPSK	25	14	Left Edge	10mm	Ant 8	DSI 3	158600	793	Battery 1	Sample 1	23.08	24.50	1.387	0.18	0.134	0.186
	FR1 n14	10M	BPSK	1	1	Right Edge	10mm	Ant 8	DSI 3	158600	793	Battery 1	Sample 1	23.23	24.50	1.34	0.15	0.051	0.068
	FR1 n14	10M	BPSK	25	14	Right Edge	10mm	Ant 8	DSI 3	158600	793	Battery 1	Sample 1	23.08	24.50	1.387	0.05	0.045	0.062
	FR1 n14	10M	BPSK	1	1	Top Edge	10mm	Ant 8	DSI 3	158600	793	Battery 1	Sample 1	23.23	24.50	1.34	-0.11	0.219	0.293
	FR1 n14	10M	BPSK	25	14	Top Edge	10mm	Ant 8	DSI 3	158600	793	Battery 1	Sample 1	23.08	24.50	1.387	-0.02	0.197	0.273
59	FR1 n14	10M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	158600	793	Battery 1	Sample 3	23.23	24.50	1.34	-0.13	0.276	0.370
	FR1 n14	10M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	158600	793	Battery 1	Sample 5	23.23	24.50	1.34	-0.17	0.265	0.355
	FR1 n14	10M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	158600	793	Battery 1	Sample 6	23.23	24.50	1.34	0.01	0.242	0.324
	FR1 n14	10M	BPSK	1	1	Back_Slant	10mm	Ant 8	DSI 3	158600	793	Battery 1	Sample 10	23.23	24.50	1.34	-0.06	0.225	0.302
	FR1 n14	10M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	158600	793	Battery 2	Sample 3	23.23	24.50	1.34	0.06	0.258	0.346
	FR1 n14	10M	BPSK	1	1	Back	25mm	Ant 8	DSI 0	158600	793	Battery 1	Sample 3	23.23	24.50	1.34	0.02	0.087	0.117
	FR1 n25	40M	BPSK	1	1	Front	10mm	Ant 1	DSI 3	376500	1882.5	Battery 1	Sample 1	24.17	25.00	1.211	0.05	0.149	0.180
	FR1 n25	40M	BPSK	108	54	Front	10mm	Ant 1	DSI 3	376500	1882.5	Battery 1	Sample 1	24.12	25.00	1.225	0.02	0.139	0.170
	FR1 n25	40M	BPSK	1	1	Back	10mm	Ant 1	DSI 3	376500	1882.5	Battery 1	Sample 1	24.17	25.00	1.211	0.04	0.351	0.425
	FR1 n25	40M	BPSK	108	54	Back	10mm	Ant 1	DSI 3	376500	1882.5	Battery 1	Sample 1	24.12	25.00	1.225	-0.18	0.328	0.402
	FR1 n25	40M	BPSK	1	1	Left Edge	10mm	Ant 1	DSI 3	376500	1882.5	Battery 1	Sample 1	24.17	25.00	1.211	0.14	0.347	0.420
	FR1 n25	40M	BPSK	108	54	Left Edge	10mm	Ant 1	DSI 3	376500	1882.5	Battery 1	Sample 1	24.12	25.00	1.225	0.07	0.315	0.386
	FR1 n25	40M	BPSK	1	1	Right Edge	10mm	Ant 1	DSI 3	376500	1882.5	Battery 1	Sample 1	24.17	25.00	1.211	-0.13	0.022	0.027
	FR1 n25	40M	BPSK	108	54	Right Edge	10mm	Ant 1	DSI 3	376500	1882.5	Battery 1	Sample 1	24.12	25.00	1.225	0.19	0.018	0.022
	FR1 n25	40M	BPSK	1	1	Top Edge	10mm	Ant 1	DSI 3	376500	1882.5	Battery 1	Sample 1	24.17	25.00	1.211	0.17	0.067	0.081
	FR1 n25	40M	BPSK	108	54	Top Edge	10mm	Ant 1	DSI 3	376500	1882.5	Battery 1	Sample 1	24.12	25.00	1.225	-0.17	0.060	0.074
	FR1 n25	40M	BPSK	1	1	Back	10mm	Ant 1	DSI 3	376500	1882.5	Battery 1	Sample 3	24.17	25.00	1.211	-0.02	0.411	0.498
	FR1 n25	40M	BPSK	1	1	Back	10mm	Ant 1	DSI 3	376500	1882.5	Battery 1	Sample 5	24.17	25.00	1.211	0.05	0.373	0.452
	FR1 n25	40M	BPSK	1	1	Back	10mm	Ant 1	DSI 3	376500	1882.5	Battery 1	Sample 6	24.17	25.00	1.211	0.14	0.330	0.400
60	FR1 n25	40M	BPSK	1	1	Back_Slant	10mm	Ant 1	DSI 3	376500	1882.5	Battery 1	Sample 10	24.17	25.00	1.211	-0.02	0.471	0.570
	FR1 n25	40M	BPSK	1	1	Back_Slant	10mm	Ant 1	DSI 3	376500	1882.5	Battery 2	Sample 10	24.17	25.00	1.211	0.00	0.456	0.552
	FR1 n25	40M	BPSK	1	1	Back_Slant	25mm	Ant 1	DSI 0	376500	1882.5	Battery 1	Sample 10	24.17	25.00	1.211	-0.05	0.090	0.109
	FR1 n25	40M	BPSK	1	1	Front	10mm	Ant 5	DSI 3	376500	1882.5	Battery 1	Sample 1	21.78	22.20	1.102	0.15	0.229	0.252
	FR1 n25	40M	BPSK	108	54	Front	10mm	Ant 5	DSI 3	376500	1882.5	Battery 1	Sample 1	21.64	22.20	1.138	0.19	0.215	0.245
	FR1 n25	40M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	376500	1882.5	Battery 1	Sample 1	21.78	22.20	1.102	-0.03	0.305	0.336
	FR1 n25	40M	BPSK	108	54	Back	10mm	Ant 5	DSI 3	376500	1882.5	Battery 1	Sample 1	21.64	22.20	1.138	0.14	0.292	0.332
	FR1 n25	40M	BPSK	1	1	Left Edge	10mm	Ant 5	DSI 3	376500	1882.5	Battery 1	Sample 1	21.78	22.20	1.102	-0.16	0.094	0.104



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	FR1 n25	40M	BPSK	108	54	Right Edge	10mm	Ant 5	DSI 3	376500	1882.5	Battery 1	Sample 1	21.64	22.20	1.138	-0.18	0.069	0.079
	FR1 n25	40M	BPSK	1	1	Bottom Edge	10mm	Ant 5	DSI 3	376500	1882.5	Battery 1	Sample 1	21.78	22.20	1.102	-0.08	0.301	0.332
	FR1 n25	40M	BPSK	108	54	Bottom Edge	10mm	Ant 5	DSI 3	376500	1882.5	Battery 1	Sample 1	21.64	22.20	1.138	-0.03	0.287	0.327
	FR1 n25	40M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	376500	1882.5	Battery 1	Sample 3	21.78	22.20	1.102	0.01	0.376	0.414
	FR1 n25	40M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	376500	1882.5	Battery 1	Sample 5	21.78	22.20	1.102	0.15	0.317	0.349
	FR1 n25	40M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	376500	1882.5	Battery 1	Sample 6	21.78	22.20	1.102	-0.17	0.321	0.354
	FR1 n25	40M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	376500	1882.5	Battery 1	Sample 10	21.78	22.20	1.102	0.10	0.309	0.341
	FR1 n25	40M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	376500	1882.5	Battery 2	Sample 3	21.78	22.20	1.102	0.03	0.368	0.406
	FR1 n25	40M	BPSK	1	1	Back	25mm	Ant 5	DSI 0	376500	1882.5	Battery 1	Sample 3	23.90	25.00	1.288	-0.14	0.085	0.109
	FR1 n26	20M	BPSK	1	1	Front	10mm	Ant 8	DSI 3	166300	831.5	Battery 1	Sample 1	23.98	25.00	1.265	0.08	0.111	0.140
	FR1 n26	20M	BPSK	50	28	Front	10mm	Ant 8	DSI 3	166300	831.5	Battery 1	Sample 1	23.84	25.00	1.306	0.12	0.001	0.001
	FR1 n26	20M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	166300	831.5	Battery 1	Sample 1	23.98	25.00	1.265	-0.04	0.238	0.301
	FR1 n26	20M	BPSK	50	28	Back	10mm	Ant 8	DSI 3	166300	831.5	Battery 1	Sample 1	23.84	25.00	1.306	0.03	0.001	0.001
	FR1 n26	20M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	166300	831.5	Battery 1	Sample 1	23.98	25.00	1.265	0.11	0.083	0.105
	FR1 n26	20M	BPSK	50	28	Left Edge	10mm	Ant 8	DSI 3	166300	831.5	Battery 1	Sample 1	23.84	25.00	1.306	0.10	0.001	0.001
	FR1 n26	20M	BPSK	1	1	Right Edge	10mm	Ant 8	DSI 3	166300	831.5	Battery 1	Sample 1	23.98	25.00	1.265	-0.05	0.001	0.001
	FR1 n26	20M	BPSK	50	28	Right Edge	10mm	Ant 8	DSI 3	166300	831.5	Battery 1	Sample 1	23.84	25.00	1.306	-0.08	0.001	0.001
	FR1 n26	20M	BPSK	1	1	Top Edge	10mm	Ant 8	DSI 3	166300	831.5	Battery 1	Sample 1	23.98	25.00	1.265	0.07	0.145	0.183
	FR1 n26	20M	BPSK	50	28	Top Edge	10mm	Ant 8	DSI 3	166300	831.5	Battery 1	Sample 1	23.84	25.00	1.306	0.17	0.001	0.001
	FR1 n26	20M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	166300	831.5	Battery 1	Sample 3	23.98	25.00	1.265	-0.14	0.213	0.269
	FR1 n26	20M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	166300	831.5	Battery 1	Sample 5	23.98	25.00	1.265	0.06	0.202	0.256
	FR1 n26	20M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	166300	831.5	Battery 1	Sample 6	23.98	25.00	1.265	0.18	0.189	0.239
61	FR1 n26	20M	BPSK	1	1	Back_Slant	10mm	Ant 8	DSI 3	166300	831.5	Battery 1	Sample 10	23.98	25.00	1.265	-0.06	0.276	0.349
	FR1 n26	20M	BPSK	1	1	Back_Slant	10mm	Ant 8	DSI 3	166300	831.5	Battery 2	Sample 10	23.98	25.00	1.265	-0.09	0.264	0.334
	FR1 n26	20M	BPSK	1	1	Back_Slant	25mm	Ant 8	DSI 0	166300	831.5	Battery 1	Sample 10	23.98	25.00	1.265	0.03	0.049	0.062
	FR1 n30	10M	BPSK	1	1	Front	10mm	Ant 8	DSI 3	462000	2310	Battery 1	Sample 1	24.01	24.50	1.119	-0.06	0.259	0.290
	FR1 n30	10M	BPSK	25	14	Front	10mm	Ant 8	DSI 3	462000	2310	Battery 1	Sample 1	24.00	24.50	1.122	-0.11	0.251	0.282
	FR1 n30	10M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	462000	2310	Battery 1	Sample 1	24.01	24.50	1.119	0.16	0.406	0.454
	FR1 n30	10M	BPSK	25	14	Back	10mm	Ant 8	DSI 3	462000	2310	Battery 1	Sample 1	24.00	24.50	1.122	0.11	0.393	0.441
	FR1 n30	10M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	462000	2310	Battery 1	Sample 1	24.01	24.50	1.119	0.10	0.268	0.300
	FR1 n30	10M	BPSK	25	14	Left Edge	10mm	Ant 8	DSI 3	462000	2310	Battery 1	Sample 1	24.00	24.50	1.122	0.02	0.257	0.288
	FR1 n30	10M	BPSK	1	1	Right Edge	10mm	Ant 8	DSI 3	462000	2310	Battery 1	Sample 1	24.01	24.50	1.119	0.13	0.068	0.076
	FR1 n30	10M	BPSK	25	14	Right Edge	10mm	Ant 8	DSI 3	462000	2310	Battery 1	Sample 1	24.00	24.50	1.122	0.13	0.065	0.073
	FR1 n30	10M	BPSK	1	1	Top Edge	10mm	Ant 8	DSI 3	462000	2310	Battery 1	Sample 1	24.01	24.50	1.119	-0.10	0.240	0.269
	FR1 n30	10M	BPSK	25	14	Top Edge	10mm	Ant 8	DSI 3	462000	2310	Battery 1	Sample 1	24.00	24.50	1.122	0.07	0.221	0.248
	FR1 n30	10M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	462000	2310	Battery 1	Sample 3	24.01	24.50	1.119	-0.09	0.419	0.469
	FR1 n30	10M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	462000	2310	Battery 1	Sample 5	24.01	24.50	1.119	-0.11	0.411	0.460
62	FR1 n30	10M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	462000	2310	Battery 1	Sample 6	24.01	24.50	1.119	-0.03	0.489	0.547
	FR1 n30	10M	BPSK	1	1	Back_Slant	10mm	Ant 8	DSI 3	462000	2310	Battery 1	Sample 10	24.01	24.50	1.119	-0.15	0.417	0.467
	FR1 n30	10M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	462000	2310	Battery 2	Sample 6	24.01	24.50	1.119	-0.11	0.467	0.523
	FR1 n30	10M	BPSK	1	1	Back	25mm	Ant 8	DSI 0	462000	2310	Battery 1	Sample 6	24.01	24.50	1.119	-0.05	0.098	0.110
	FR1 n30	10M	BPSK	1	1	Front	10mm	Ant 5	DSI 3	462000	2310	Battery 1	Sample 1	19.54	20.50	1.247	-0.19	0.154	0.192
	FR1 n30	10M	BPSK	25	14	Front	10mm	Ant 5	DSI 3	462000	2310	Battery 1	Sample 1	19.50	20.50	1.259	-0.09	0.146	0.184
	FR1 n30	10M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	462000	2310	Battery 1	Sample 1	19.54	20.50	1.247	-0.18	0.180	0.224
	FR1 n30	10M	BPSK	25	14	Back	10mm	Ant 5	DSI 3	462000	2310	Battery 1	Sample 1	19.50	20.50	1.259	0.06	0.174	0.219
	FR1 n30	10M	BPSK	1	1	Left Edge	10mm	Ant 5	DSI 3	462000	2310	Battery 1	Sample 1	19.54	20.50	1.247	0.04	0.110	0.137
	FR1 n30	10M	BPSK	25	14	Left Edge	10mm	Ant 5	DSI 3	462000	2310	Battery 1	Sample 1	19.50	20.50	1.259	-0.14	0.107	0.135
	FR1 n30	10M	BPSK	1	1	Right Edge	10mm	Ant 5	DSI 3	462000	2310	Battery 1	Sample 1	19.54	20.50	1.247	0.05	0.040	0.050
	FR1 n30	10M	BPSK	25	14	Right Edge	10mm	Ant 5	DSI 3	462000	2310	Battery 1	Sample 1	19.50	20.50	1.259	0.16	0.038	0.048
	FR1 n30	10M	BPSK	1	1	Bottom Edge	10mm	Ant 5	DSI 3	462000	2310	Battery 1	Sample 1	19.54	20.50	1.247	-0.11	0.118	0.147
	FR1 n30	10M	BPSK	25	14	Bottom Edge	10mm	Ant 5	DSI 3	462000	2310	Battery 1	Sample 1	19.50	20.50	1.259	-0.05	0.112	0.141
	FR1 n30	10M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	462000	2310	Battery 1	Sample 3	19.54	20.50	1.247	-0.10	0.153	0.191
	FR1 n30	10M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	462000	2310	Battery 1	Sample 5	19.54	20.50	1.247	0.03	0.221	0.276
	FR1 n30	10M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	462000	2310	Battery 1	Sample 6	19.54	20.50	1.247	0.02	0.185	0.231
	FR1 n30	10M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	462000	2310	Battery 1	Sample 10	19.54	20.50	1.247	-0.01	0.142	0.177
	FR1 n30	10M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	462000	2310	Battery 2	Sample 5	19.54	20.50	1.247	-0.05	0.212	0.264
	FR1 n30	10M	BPSK	1	1	Back	25mm	Ant 5	DSI 0	462000	2310	Battery 1	Sample 5	24.05	25.00	1.245	0.05	0.125	0.156
	FR1 n66	40M	BPSK	1	1	Front	10mm	Ant 1	DSI 3	349000	1745	Battery 1	Sample 1	21.70	22.10	1.096	0.15	0.101	0.111
	FR1 n66	40M	BPSK	108	54	Front	10mm	Ant 1	DSI 3	349000	1745	Battery 1	Sample 1	21.64	22.10	1.112	0.12	0.091	0.101
	FR1 n66	40M	BPSK	1	1	Back	10mm	Ant 1	DSI 3	349000	1745	Battery 1	Sample 1	21.70	22.10	1.096	-0.07	0.266	0.292
	FR1 n66	40M	BPSK	108	54	Back	10mm	Ant 1	DSI 3	349000	1745	Battery 1	Sample 1	21.64	22.10	1.112	-0.12	0.256	0.285
	FR1 n66	40M	BPSK	1	1	Left Edge	10mm	Ant 1	DSI 3	349000	1745	Battery 1	Sample 1	21.70	22.10	1.096	0.18	0.160	0.175
	FR1 n66	40M	BPSK	108	54	Left Edge	10mm	Ant 1	DSI 3	349000	1745	Battery 1	Sample 1	21.64	22.10	1.112	-0.01	0.152	0.169
	FR1 n66	40M	BPSK	1	1	Right Edge	10mm	Ant 1	DSI 3	349000	1745	Battery 1	Sample 1	21.70	22.10	1.096	0.09	0.001	0.001
	FR1 n66	40M	BPSK	108	54	Right Edge	10mm	Ant 1	DSI 3	349000	1745	Battery 1	Sample 1	21.64	22.10	1.112	0.15	0.001	0.001
	FR1 n66	40M	BPSK	1	1	Top Edge	10mm	Ant 1	DSI 3	349000	1745	Battery 1	Sample 1	21.70	22.10	1.096	-0.14	0.073	0.080
	FR1 n66	40M	BPSK	108	54	Top Edge	10mm	Ant 1	DSI 3	349000	1745	Battery 1	Sample 1	21.64	22.10	1.112	-0.10	0.066	0.073
	FR1 n66	40M	BPSK	1	1	Back	10mm	Ant 1	DSI 3	349000	1745	Battery 1	Sample 3	21.70	22.10	1.096	0.09	0.292	0.320
	FR1 n66	40M	BPSK	1	1	Back	10mm	Ant 1	DSI 3	349000	1745	Battery 1	Sample 5	21.70	22.10	1.096	0.15	0.254	0.278
	FR1 n66	40M	BPSK	1	1	Back	10mm	Ant 1	DSI 3	349000	1745	Battery 1	Sample 6	21.70	22.10	1.096	0.03	0.310	0.340
63	FR1 n66	40M	BPSK	1	1	Back_Slant	10mm	Ant 1	DSI 3	349000	1745	Battery 1	Sample 10	21.70	22.10				



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	FR1 n66	40M	BPSK	1	1	Front	10mm	Ant 5	DSI 3	349000	1745	Battery 1	Sample 1	21.89	22.80	1.233	0.14	0.130	0.160
	FR1 n66	40M	BPSK	108	54	Front	10mm	Ant 5	DSI 3	349000	1745	Battery 1	Sample 1	21.85	22.80	1.245	0.01	0.123	0.153
	FR1 n66	40M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	349000	1745	Battery 1	Sample 1	21.89	22.80	1.233	-0.15	0.138	0.170
	FR1 n66	40M	BPSK	108	54	Back	10mm	Ant 5	DSI 3	349000	1745	Battery 1	Sample 1	21.85	22.80	1.245	0.17	0.131	0.163
	FR1 n66	40M	BPSK	1	1	Left Edge	10mm	Ant 5	DSI 3	349000	1745	Battery 1	Sample 1	21.89	22.80	1.233	0.11	0.038	0.047
	FR1 n66	40M	BPSK	108	54	Left Edge	10mm	Ant 5	DSI 3	349000	1745	Battery 1	Sample 1	21.85	22.80	1.245	-0.15	0.035	0.044
	FR1 n66	40M	BPSK	1	1	Right Edge	10mm	Ant 5	DSI 3	349000	1745	Battery 1	Sample 1	21.89	22.80	1.233	0.09	0.034	0.042
	FR1 n66	40M	BPSK	108	54	Right Edge	10mm	Ant 5	DSI 3	349000	1745	Battery 1	Sample 1	21.85	22.80	1.245	0.06	0.032	0.040
	FR1 n66	40M	BPSK	1	1	Bottom Edge	10mm	Ant 5	DSI 3	349000	1745	Battery 1	Sample 1	21.89	22.80	1.233	-0.04	0.157	0.194
	FR1 n66	40M	BPSK	108	54	Bottom Edge	10mm	Ant 5	DSI 3	349000	1745	Battery 1	Sample 1	21.85	22.80	1.245	-0.02	0.147	0.183
	FR1 n66	40M	BPSK	1	1	Bottom Edge	10mm	Ant 5	DSI 3	349000	1745	Battery 1	Sample 3	21.89	22.80	1.233	-0.00	0.242	0.298
	FR1 n66	40M	BPSK	1	1	Bottom Edge	10mm	Ant 5	DSI 3	349000	1745	Battery 1	Sample 5	21.89	22.80	1.233	0.18	0.195	0.240
	FR1 n66	40M	BPSK	1	1	Bottom Edge	10mm	Ant 5	DSI 3	349000	1745	Battery 1	Sample 6	21.89	22.80	1.233	-0.00	0.178	0.219
	FR1 n66	40M	BPSK	1	1	Bottom Edge	10mm	Ant 5	DSI 3	349000	1745	Battery 1	Sample 10	21.89	22.80	1.233	-0.05	0.238	0.293
	FR1 n66	40M	BPSK	1	1	Bottom Edge	10mm	Ant 5	DSI 3	349000	1745	Battery 2	Sample 3	21.89	22.80	1.233	-0.16	0.237	0.292
	FR1 n66	40M	BPSK	1	1	Bottom Edge	25mm	Ant 5	DSI 0	349000	1745	Battery 1	Sample 3	23.92	25.00	1.282	0.19	0.098	0.126
	FR1 n70	15M	BPSK	1	1	Front	10mm	Ant 1	DSI 3	340500	1702.5	Battery 1	Sample 1	24.23	25.00	1.194	0.11	0.146	0.174
	FR1 n70	15M	BPSK	36	22	Front	10mm	Ant 1	DSI 3	340500	1702.5	Battery 1	Sample 1	24.21	25.00	1.199	0.18	0.135	0.162
	FR1 n70	15M	BPSK	1	1	Back	10mm	Ant 1	DSI 3	340500	1702.5	Battery 1	Sample 1	24.23	25.00	1.194	-0.03	0.339	0.405
	FR1 n70	15M	BPSK	36	22	Back	10mm	Ant 1	DSI 3	340500	1702.5	Battery 1	Sample 1	24.21	25.00	1.199	-0.07	0.327	0.392
	FR1 n70	15M	BPSK	1	1	Left Edge	10mm	Ant 1	DSI 3	340500	1702.5	Battery 1	Sample 1	24.23	25.00	1.194	-0.17	0.240	0.287
	FR1 n70	15M	BPSK	36	22	Left Edge	10mm	Ant 1	DSI 3	340500	1702.5	Battery 1	Sample 1	24.21	25.00	1.199	0.14	0.229	0.275
	FR1 n70	15M	BPSK	1	1	Right Edge	10mm	Ant 1	DSI 3	340500	1702.5	Battery 1	Sample 1	24.23	25.00	1.194	0.04	0.001	0.001
	FR1 n70	15M	BPSK	36	22	Right Edge	10mm	Ant 1	DSI 3	340500	1702.5	Battery 1	Sample 1	24.21	25.00	1.199	0.03	0.001	0.001
	FR1 n70	15M	BPSK	1	1	Top Edge	10mm	Ant 1	DSI 3	340500	1702.5	Battery 1	Sample 1	24.23	25.00	1.194	-0.15	0.099	0.118
	FR1 n70	15M	BPSK	36	22	Top Edge	10mm	Ant 1	DSI 3	340500	1702.5	Battery 1	Sample 1	24.21	25.00	1.199	0.18	0.094	0.113
	FR1 n70	15M	BPSK	1	1	Back	10mm	Ant 1	DSI 3	340500	1702.5	Battery 1	Sample 3	24.23	25.00	1.194	0.01	0.286	0.341
	FR1 n70	15M	BPSK	1	1	Back	10mm	Ant 1	DSI 3	340500	1702.5	Battery 1	Sample 5	24.23	25.00	1.194	0.04	0.309	0.369
64	FR1 n70	15M	BPSK	1	1	Back	10mm	Ant 1	DSI 3	340500	1702.5	Battery 1	Sample 6	24.23	25.00	1.194	-0.06	0.423	0.505
	FR1 n70	15M	BPSK	1	1	Back Slant	10mm	Ant 1	DSI 3	340500	1702.5	Battery 1	Sample 10	24.23	25.00	1.194	-0.02	0.151	0.180
	FR1 n70	15M	BPSK	1	1	Back	10mm	Ant 1	DSI 3	340500	1702.5	Battery 2	Sample 6	24.23	25.00	1.194	-0.13	0.408	0.487
	FR1 n70	15M	BPSK	1	1	Back	25mm	Ant 1	DSI 0	340500	1702.5	Battery 1	Sample 6	24.23	25.00	1.194	-0.01	0.081	0.097
	FR1 n70	15M	BPSK	1	1	Front	10mm	Ant 5	DSI 3	340500	1702.5	Battery 1	Sample 1	23.92	25.00	1.282	0.08	0.112	0.144
	FR1 n70	15M	BPSK	36	22	Front	10mm	Ant 5	DSI 3	340500	1702.5	Battery 1	Sample 1	23.90	25.00	1.288	0.08	0.104	0.134
	FR1 n70	15M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	340500	1702.5	Battery 1	Sample 1	23.92	25.00	1.282	0.10	0.154	0.197
	FR1 n70	15M	BPSK	36	22	Back	10mm	Ant 5	DSI 3	340500	1702.5	Battery 1	Sample 1	23.90	25.00	1.288	-0.04	0.141	0.182
	FR1 n70	15M	BPSK	1	1	Left Edge	10mm	Ant 5	DSI 3	340500	1702.5	Battery 1	Sample 1	23.92	25.00	1.282	0.05	0.062	0.079
	FR1 n70	15M	BPSK	36	22	Left Edge	10mm	Ant 5	DSI 3	340500	1702.5	Battery 1	Sample 1	23.90	25.00	1.288	-0.02	0.059	0.076
	FR1 n70	15M	BPSK	1	1	Right Edge	10mm	Ant 5	DSI 3	340500	1702.5	Battery 1	Sample 1	23.92	25.00	1.282	-0.11	0.033	0.042
	FR1 n70	15M	BPSK	36	22	Right Edge	10mm	Ant 5	DSI 3	340500	1702.5	Battery 1	Sample 1	23.90	25.00	1.288	-0.19	0.031	0.040
	FR1 n70	15M	BPSK	1	1	Bottom Edge	10mm	Ant 5	DSI 3	340500	1702.5	Battery 1	Sample 1	23.92	25.00	1.282	0.09	0.176	0.226
	FR1 n70	15M	BPSK	36	22	Bottom Edge	10mm	Ant 5	DSI 3	340500	1702.5	Battery 1	Sample 1	23.90	25.00	1.288	0.08	0.164	0.211
	FR1 n70	15M	BPSK	1	1	Bottom Edge	10mm	Ant 5	DSI 3	340500	1702.5	Battery 1	Sample 3	23.92	25.00	1.282	0.04	0.206	0.264
	FR1 n70	15M	BPSK	1	1	Bottom Edge	10mm	Ant 5	DSI 3	340500	1702.5	Battery 1	Sample 5	23.92	25.00	1.282	-0.06	0.165	0.212
	FR1 n70	15M	BPSK	1	1	Bottom Edge	10mm	Ant 5	DSI 3	340500	1702.5	Battery 1	Sample 6	23.92	25.00	1.282	-0.00	0.172	0.221
	FR1 n70	15M	BPSK	1	1	Bottom Edge	10mm	Ant 5	DSI 3	340500	1702.5	Battery 1	Sample 10	23.92	25.00	1.282	-0.03	0.242	0.310
	FR1 n70	15M	BPSK	1	1	Bottom Edge	10mm	Ant 5	DSI 3	340500	1702.5	Battery 2	Sample 10	23.92	25.00	1.282	-0.13	0.226	0.290
	FR1 n70	15M	BPSK	1	1	Bottom Edge	25mm	Ant 5	DSI 0	340500	1702.5	Battery 1	Sample 10	23.92	25.00	1.282	0.19	0.053	0.068
	FR1 n71	20M	BPSK	1	1	Front	10mm	Ant 8	DSI 3	136100	680.5	Battery 1	Sample 1	24.31	25.00	1.172	0.02	0.062	0.073
	FR1 n71	20M	BPSK	50	28	Front	10mm	Ant 8	DSI 3	136100	680.5	Battery 1	Sample 1	24.09	25.00	1.233	-0.19	0.055	0.068
65	FR1 n71	20M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	136100	680.5	Battery 1	Sample 1	24.31	25.00	1.172	-0.10	0.119	0.139
	FR1 n71	20M	BPSK	50	28	Back	10mm	Ant 8	DSI 3	136100	680.5	Battery 1	Sample 1	24.09	25.00	1.233	-0.09	0.106	0.131
	FR1 n71	20M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	136100	680.5	Battery 1	Sample 1	24.31	25.00	1.172	0.09	0.089	0.104
	FR1 n71	20M	BPSK	50	28	Left Edge	10mm	Ant 8	DSI 3	136100	680.5	Battery 1	Sample 1	24.09	25.00	1.233	0.02	0.081	0.100
	FR1 n71	20M	BPSK	1	1	Right Edge	10mm	Ant 8	DSI 3	136100	680.5	Battery 1	Sample 1	24.31	25.00	1.172	0.14	0.001	0.001
	FR1 n71	20M	BPSK	50	28	Right Edge	10mm	Ant 8	DSI 3	136100	680.5	Battery 1	Sample 1	24.09	25.00	1.233	-0.08	0.001	0.001
	FR1 n71	20M	BPSK	1	1	Top Edge	10mm	Ant 8	DSI 3	136100	680.5	Battery 1	Sample 1	24.31	25.00	1.172	-0.10	0.062	0.073
	FR1 n71	20M	BPSK	50	28	Top Edge	10mm	Ant 8	DSI 3	136100	680.5	Battery 1	Sample 1	24.09	25.00	1.233	0.14	0.054	0.067
	FR1 n71	20M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	136100	680.5	Battery 1	Sample 3	24.31	25.00	1.172	-0.00	0.099	0.116
	FR1 n71	20M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	136100	680.5	Battery 1	Sample 5	24.31	25.00	1.172	-0.04	0.094	0.110
	FR1 n71	20M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	136100	680.5	Battery 1	Sample 6	24.31	25.00	1.172	-0.10	0.088	0.103
	FR1 n71	20M	BPSK	1	1	Back Slant	10mm	Ant 8	DSI 3	136100	680.5	Battery 1	Sample 10	24.31	25.00	1.172	0.16	0.101	0.118
	FR1 n71	20M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	136100	680.5	Battery 2	Sample 1	24.31	25.00	1.172	0.02	0.107	0.125
	FR1 n71	20M	BPSK	1	1	Back	25mm	Ant 8	DSI 0	136100	680.5	Battery 1	Sample 1	24.31	25.00	1.172	-0.01	0.053	0.062
	FR1 n41	100M	BPSK	1	1	Front	10mm	Ant 8	DSI 3	518598	2592.99	Battery 1	Sample 1	20.86	21.70	1.213	-0.06	0.268	0.325
	FR1 n41	100M	BPSK	135	69	Front	10mm	Ant 8	DSI 3	518598	2592.99	Battery 1	Sample 1	20.84	21.70	1.219	-0.04	0.227	0.277
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	518598	2592.99	Battery 1	Sample 1	20.86	21.70	1.213	0.04	0.394	0.478
	FR1 n41	100M	BPSK	135	69	Back	10mm	Ant 8	DSI 3	518598	2592.99	Battery 1	Sample 1	20.84	21.70	1.219	0.13	0.363	0.442
	FR1 n41	100M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	518598	2592.99	Battery 1	Sample 1	20.86	21.70	1.213	0.03	0.245	0.297
	FR1 n41	100M	BPSK	135	69	Left Edge	10mm	Ant 8	DSI 3	518598	2592.99	Battery 1	Sample 1	20.84	21.70	1.219	0.13	0.219	0.267
	FR1 n41	100M	BPSK	1	1	Right Edge	10mm</												



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	FR1 n41 HPUE	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	518598	2592.99	Battery 1	Sample 1	23.82	24.70	1.225	0.10	0.308	0.377
66	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	518598	2592.99	Battery 1	Sample 3	20.86	21.70	1.213	-0.03	0.412	0.500
	FR1 n41 HPUE	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	518598	2592.99	Battery 1	Sample 3	23.82	24.70	1.225	-0.05	0.368	0.451
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	518598	2592.99	Battery 1	Sample 5	20.86	21.70	1.213	-0.14	0.398	0.483
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	518598	2592.99	Battery 1	Sample 6	20.86	21.70	1.213	0.17	0.377	0.457
	FR1 n41	100M	BPSK	1	1	Back_Slant	10mm	Ant 8	DSI 3	518598	2592.99	Battery 1	Sample 10	20.86	21.70	1.213	-0.14	0.338	0.410
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	518598	2592.99	Battery 2	Sample 3	20.86	21.70	1.213	0.06	0.409	0.496
	FR1 n41	100M	BPSK	1	1	Back	25mm	Ant 8	DSI 0	518598	2592.99	Battery 1	Sample 3	24.25	25.00	1.189	-0.14	0.147	0.175
	FR1 n41	100M	BPSK	1	1	Front	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 1	18.25	18.80	1.135	-0.09	0.067	0.076
	FR1 n41	100M	BPSK	135	69	Front	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 1	17.22	18.80	1.439	0.03	0.052	0.075
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 1	18.25	18.80	1.135	0.09	0.182	0.207
	FR1 n41	100M	BPSK	135	69	Back	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 1	17.22	18.80	1.439	-0.03	0.140	0.201
	FR1 n41	100M	BPSK	1	1	Left Edge	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 1	18.25	18.80	1.135	-0.07	0.079	0.090
	FR1 n41	100M	BPSK	135	69	Left Edge	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 1	17.22	18.80	1.439	0.14	0.061	0.088
	FR1 n41	100M	BPSK	1	1	Right Edge	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 1	18.25	18.80	1.135	0.07	0.018	0.020
	FR1 n41	100M	BPSK	135	69	Right Edge	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 1	17.22	18.80	1.439	0.01	0.014	0.020
	FR1 n41	100M	BPSK	1	1	Bottom Edge	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 1	18.25	18.80	1.135	-0.18	0.081	0.092
	FR1 n41	100M	BPSK	135	69	Bottom Edge	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 1	17.22	18.80	1.439	-0.09	0.062	0.089
	FR1 n41 HPUE	100M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 1	20.55	21.80	1.334	0.01	0.165	0.220
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 3	18.25	18.80	1.135	-0.17	0.149	0.169
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 5	18.25	18.80	1.135	-0.12	0.203	0.230
	FR1 n41 HPUE	100M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 5	20.55	21.80	1.334	-0.04	0.182	0.243
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 6	18.25	18.80	1.135	-0.05	0.157	0.178
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	518598	2592.99	Battery 1	Sample 10	18.25	18.80	1.135	-0.13	0.145	0.165
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 5	DSI 3	518598	2592.99	Battery 2	Sample 5	18.25	18.80	1.135	0.06	0.196	0.222
	FR1 n41	100M	BPSK	1	1	Back	25mm	Ant 5	DSI 0	518598	2592.99	Battery 1	Sample 5	24.60	25.00	1.096	-0.17	0.113	0.124
	FR1 n41	100M	BPSK	1	1	Front	10mm	Ant 3	DSI 3	518598	2592.99	Battery 1	Sample 1	23.34	23.50	1.038	-0.14	0.066	0.069
	FR1 n41	100M	BPSK	135	69	Front	10mm	Ant 3	DSI 3	518598	2592.99	Battery 1	Sample 1	22.21	23.50	1.346	0.09	0.050	0.067
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	518598	2592.99	Battery 1	Sample 1	23.34	23.50	1.038	-0.03	0.246	0.255
	FR1 n41	100M	BPSK	135	69	Back	10mm	Ant 3	DSI 3	518598	2592.99	Battery 1	Sample 1	22.21	23.50	1.346	-0.16	0.184	0.248
	FR1 n41	100M	BPSK	1	1	Right Edge	10mm	Ant 3	DSI 3	518598	2592.99	Battery 1	Sample 1	23.34	23.50	1.038	0.13	0.112	0.116
	FR1 n41	100M	BPSK	135	69	Right Edge	10mm	Ant 3	DSI 3	518598	2592.99	Battery 1	Sample 1	22.21	23.50	1.346	-0.10	0.084	0.113
	FR1 n41	100M	BPSK	1	1	Bottom Edge	10mm	Ant 3	DSI 3	518598	2592.99	Battery 1	Sample 1	23.34	23.50	1.038	0.12	0.042	0.044
	FR1 n41	100M	BPSK	135	69	Bottom Edge	10mm	Ant 3	DSI 3	518598	2592.99	Battery 1	Sample 1	22.21	23.50	1.346	0.15	0.031	0.042
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	518598	2592.99	Battery 1	Sample 3	23.34	23.50	1.038	-0.17	0.176	0.183
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	518598	2592.99	Battery 1	Sample 5	23.34	23.50	1.038	0.14	0.071	0.074
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	518598	2592.99	Battery 1	Sample 6	23.34	23.50	1.038	-0.15	0.136	0.141
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	518598	2592.99	Battery 1	Sample 10	23.34	23.50	1.038	-0.03	0.097	0.101
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	518598	2592.99	Battery 2	Sample 1	23.34	23.50	1.038	0.06	0.227	0.236
	FR1 n41	100M	BPSK	1	1	Back	25mm	Ant 3	DSI 0	518598	2592.99	Battery 1	Sample 1	23.34	23.50	1.038	0.02	0.056	0.058
	FR1 n41	100M	BPSK	1	1	Front	10mm	Ant 4	DSI 3	518598	2592.99	Battery 1	Sample 1	20.52	21.00	1.117	-0.10	0.077	0.086
	FR1 n41	100M	BPSK	135	69	Front	10mm	Ant 4	DSI 3	518598	2592.99	Battery 1	Sample 1	19.72	21.00	1.343	-0.00	0.063	0.085
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	518598	2592.99	Battery 1	Sample 1	20.52	21.00	1.117	-0.08	0.288	0.322
	FR1 n41	100M	BPSK	135	69	Back	10mm	Ant 4	DSI 3	518598	2592.99	Battery 1	Sample 1	19.72	21.00	1.343	-0.07	0.234	0.314
	FR1 n41	100M	BPSK	1	1	Left Edge	10mm	Ant 4	DSI 3	518598	2592.99	Battery 1	Sample 1	20.52	21.00	1.117	-0.12	0.279	0.312
	FR1 n41	100M	BPSK	135	69	Left Edge	10mm	Ant 4	DSI 3	518598	2592.99	Battery 1	Sample 1	19.72	21.00	1.343	-0.18	0.226	0.304
	FR1 n41	100M	BPSK	1	1	Bottom Edge	10mm	Ant 4	DSI 3	518598	2592.99	Battery 1	Sample 1	20.52	21.00	1.117	0.10	0.001	0.001
	FR1 n41	100M	BPSK	135	69	Bottom Edge	10mm	Ant 4	DSI 3	518598	2592.99	Battery 1	Sample 1	19.72	21.00	1.343	0.15	0.001	0.001
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	518598	2592.99	Battery 1	Sample 3	20.52	21.00	1.117	0.17	0.097	0.108
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	518598	2592.99	Battery 1	Sample 5	20.52	21.00	1.117	-0.11	0.192	0.214
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	518598	2592.99	Battery 1	Sample 6	20.52	21.00	1.117	-0.18	0.264	0.295
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	518598	2592.99	Battery 1	Sample 10	20.52	21.00	1.117	-0.03	0.259	0.289
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	518598	2592.99	Battery 2	Sample 1	20.52	21.00	1.117	0.07	0.271	0.303
	FR1 n41	100M	BPSK	1	1	Back	25mm	Ant 4	DSI 0	518598	2592.99	Battery 1	Sample 1	21.80	23.00	1.318	0.02	0.071	0.094
	FR1 n48	40M	BPSK	1	1	Front	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	16.81	17.50	1.172	-0.14	0.071	0.083
	FR1 n48	40M	BPSK	50	28	Front	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	16.78	17.50	1.18	0.09	0.065	0.077
	FR1 n48	40M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	16.81	17.50	1.172	-0.01	0.339	0.397
	FR1 n48	40M	BPSK	50	28	Back	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	16.78	17.50	1.18	-0.18	0.307	0.362
	FR1 n48	40M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	16.81	17.50	1.172	0.05	0.286	0.335
	FR1 n48	40M	BPSK	50	28	Left Edge	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	16.78	17.50	1.18	0.10	0.264	0.312
	FR1 n48	40M	BPSK	1	1	Right Edge	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	16.81	17.50	1.172	0.17	0.017	0.020
	FR1 n48	40M	BPSK	50	28	Right Edge	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	16.78	17.50	1.18	0.12	0.015	0.018
	FR1 n48	40M	BPSK	1	1	Top Edge	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	16.81	17.50	1.172	-0.01	0.145	0.170
	FR1 n48	40M	BPSK	50	28	Top Edge	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	16.78	17.50	1.18	0.13	0.131	0.155
	FR1 n48	40M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 3	16.81	17.50	1.172	-0.13	0.363	0.425
	FR1 n48	40M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 5	16.81	17.50	1.172	0.08	0.344	0.403
	FR1 n48	40M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 6	16.81	17.50	1.172	-0.03	0.430	0.504
	FR1 n48	40M	BPSK	1	1	Back_Slant	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 10	16.81	17.50	1.172	0.11	0.258	0.302
	FR1 n48	40M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	641666	3624.99	Battery 2	Sample 6	16.81	17.50	1.172	-0.07	0.415	0.486
	FR1 n48	40M	BPSK	1	1	Back	25mm	Ant 8	DSI 0	641666	3624.99</								



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	FR1 n48	40M	BPSK	1	1	Back	25mm	Ant 8	DSI 0	645332	3679.98	Battery 1	Sample 6	22.70	23.50	1.202	0.19	0.394	0.474
	FR1 n48	40M	BPSK	1	1	Front	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 1	21.20	22.30	1.288	0.16	0.243	0.313
	FR1 n48	40M	BPSK	50	28	Front	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 1	21.18	22.30	1.294	-0.06	0.227	0.294
	FR1 n48	40M	BPSK	1	1	Back	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 1	21.20	22.30	1.288	-0.07	0.291	0.375
	FR1 n48	40M	BPSK	50	28	Back	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 1	21.18	22.30	1.294	0.07	0.266	0.344
	FR1 n48	40M	BPSK	1	1	Left Edge	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 1	21.20	22.30	1.288	-0.11	0.061	0.079
	FR1 n48	40M	BPSK	50	28	Left Edge	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 1	21.18	22.30	1.294	0.18	0.058	0.075
	FR1 n48	40M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 1	21.20	22.30	1.288	-0.04	0.346	0.446
	FR1 n48	40M	BPSK	50	28	Right Edge	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 1	21.18	22.30	1.294	-0.14	0.324	0.419
	FR1 n48	40M	BPSK	1	1	Top Edge	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 1	21.20	22.30	1.288	-0.02	0.285	0.367
	FR1 n48	40M	BPSK	50	28	Top Edge	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 1	21.18	22.30	1.294	-0.19	0.262	0.339
	FR1 n48	40M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 3	23.25	23.50	1.059	-0.11	0.287	0.304
	FR1 n48	40M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 5	23.25	23.50	1.059	-0.04	0.259	0.274
	FR1 n48	40M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 6	23.25	23.50	1.059	0.09	0.256	0.271
	FR1 n48	40M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 10	23.25	23.50	1.059	-0.02	0.316	0.335
	FR1 n48	40M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	641666	3624.99	Battery 2	Sample 1	21.20	22.30	1.288	0.07	0.321	0.413
	FR1 n48	40M	BPSK	1	1	Right Edge	25mm	Ant 9	DSI 0	641666	3624.99	Battery 1	Sample 1	23.25	23.50	1.059	-0.06	0.179	0.190
	FR1 n77	100M	BPSK	1	1	Front	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 1	17.33	17.90	1.14	0.04	0.086	0.098
	FR1 n77	100M	BPSK	135	69	Front	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 1	17.25	17.90	1.161	0.04	0.081	0.094
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 1	17.33	17.90	1.14	-0.01	0.433	0.494
	FR1 n77	100M	BPSK	135	69	Back	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 1	17.25	17.90	1.161	-0.05	0.419	0.486
	FR1 n77	100M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 1	17.33	17.90	1.14	-0.10	0.325	0.371
	FR1 n77	100M	BPSK	135	69	Left Edge	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 1	17.25	17.90	1.161	-0.10	0.313	0.363
	FR1 n77	100M	BPSK	1	1	Right Edge	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 1	17.33	17.90	1.14	0.06	0.010	0.011
	FR1 n77	100M	BPSK	135	69	Right Edge	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 1	17.25	17.90	1.161	0.16	0.008	0.009
	FR1 n77	100M	BPSK	1	1	Top Edge	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 1	17.33	17.90	1.14	0.14	0.153	0.174
	FR1 n77	100M	BPSK	135	69	Top Edge	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 1	17.25	17.90	1.161	0.06	0.150	0.174
	FR1 n77 HPUE	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 1	20.27	20.90	1.156	0.07	0.376	0.435
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 3	17.33	17.90	1.14	0.02	0.456	0.520
	FR1 n77 HPUE	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 3	20.27	20.90	1.156	0.09	0.409	0.473
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 5	17.33	17.90	1.14	-0.08	0.406	0.463
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 6	17.33	17.90	1.14	-0.03	0.417	0.475
	FR1 n77	100M	BPSK	1	1	Back_Slant	10mm	Ant 8	DSI 3	633332	3499.98	Battery 1	Sample 10	17.33	17.90	1.14	-0.02	0.307	0.350
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	633332	3499.98	Battery 2	Sample 3	17.33	17.90	1.14	0.03	0.441	0.503
68	FR1 n77	100M	BPSK	1	1	Back	25mm	Ant 8	DSI 0	633332	3499.98	Battery 1	Sample 3	24.78	25.00	1.052	0.15	0.797	0.838
	FR1 n77	100M	BPSK	1	1	Front	10mm	Ant 9	DSI 3	633332	3499.98	Battery 1	Sample 1	21.08	21.70	1.153	-0.03	0.353	0.407
	FR1 n77	100M	BPSK	135	69	Front	10mm	Ant 9	DSI 3	633332	3499.98	Battery 1	Sample 1	21.04	21.70	1.164	0.01	0.344	0.400
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 9	DSI 3	633332	3499.98	Battery 1	Sample 1	21.08	21.70	1.153	-0.00	0.196	0.226
	FR1 n77	100M	BPSK	135	69	Back	10mm	Ant 9	DSI 3	633332	3499.98	Battery 1	Sample 1	21.04	21.70	1.164	0.18	0.193	0.225
	FR1 n77	100M	BPSK	1	1	Left Edge	10mm	Ant 9	DSI 3	633332	3499.98	Battery 1	Sample 1	21.08	21.70	1.153	-0.17	0.058	0.067
	FR1 n77	100M	BPSK	135	69	Left Edge	10mm	Ant 9	DSI 3	633332	3499.98	Battery 1	Sample 1	21.04	21.70	1.164	-0.11	0.054	0.063
	FR1 n77	100M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	633332	3499.98	Battery 1	Sample 1	21.08	21.70	1.153	-0.18	0.360	0.415
	FR1 n77	100M	BPSK	135	69	Right Edge	10mm	Ant 9	DSI 3	633332	3499.98	Battery 1	Sample 1	21.04	21.70	1.164	0.13	0.352	0.410
	FR1 n77	100M	BPSK	1	1	Top Edge	10mm	Ant 9	DSI 3	633332	3499.98	Battery 1	Sample 1	21.08	21.70	1.153	0.03	0.289	0.333
	FR1 n77	100M	BPSK	135	69	Top Edge	10mm	Ant 9	DSI 3	633332	3499.98	Battery 1	Sample 1	21.04	21.70	1.164	0.14	0.282	0.328
	FR1 n77 HPUE	100M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	633332	3499.98	Battery 1	Sample 1	24.17	24.70	1.13	-0.19	0.296	0.334
	FR1 n77	100M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	633332	3499.98	Battery 1	Sample 3	21.08	21.70	1.153	-0.13	0.071	0.082
	FR1 n77	100M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	633332	3499.98	Battery 1	Sample 5	21.08	21.70	1.153	-0.07	0.589	0.679
	FR1 n77 HPUE	100M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	633332	3499.98	Battery 1	Sample 5	24.17	24.70	1.13	0.03	0.563	0.636
	FR1 n77	100M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	633332	3499.98	Battery 1	Sample 6	21.08	21.70	1.153	-0.10	0.466	0.537
	FR1 n77	100M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	633332	3499.98	Battery 1	Sample 10	21.08	21.70	1.153	0.09	0.408	0.470
	FR1 n77	100M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	633332	3499.98	Battery 2	Sample 5	21.08	21.70	1.153	0.03	0.574	0.662
	FR1 n77	100M	BPSK	1	1	Right Edge	25mm	Ant 9	DSI 0	633332	3499.98	Battery 1	Sample 5	23.76	25.00	1.33	0.07	0.247	0.329
	FR1 n77	100M	BPSK	1	1	Front	10mm	Ant 3	DSI 3	633332	3499.98	Battery 1	Sample 1	15.55	15.70	1.035	0.18	0.044	0.046
	FR1 n77	100M	BPSK	135	69	Front	10mm	Ant 3	DSI 3	633332	3499.98	Battery 1	Sample 1	15.49	15.70	1.05	-0.14	0.041	0.043
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	633332	3499.98	Battery 1	Sample 1	15.55	15.70	1.035	0.00	0.142	0.147
	FR1 n77	100M	BPSK	135	69	Back	10mm	Ant 3	DSI 3	633332	3499.98	Battery 1	Sample 1	15.49	15.70	1.05	0.10	0.127	0.133
	FR1 n77	100M	BPSK	1	1	Right Edge	10mm	Ant 3	DSI 3	633332	3499.98	Battery 1	Sample 1	15.55	15.70	1.035	0.07	0.119	0.123
	FR1 n77	100M	BPSK	135	69	Right Edge	10mm	Ant 3	DSI 3	633332	3499.98	Battery 1	Sample 1	15.49	15.70	1.05	0.07	0.109	0.114
	FR1 n77	100M	BPSK	1	1	Bottom Edge	10mm	Ant 3	DSI 3	633332	3499.98	Battery 1	Sample 1	15.55	15.70	1.035	0.12	0.027	0.028
	FR1 n77	100M	BPSK	135	69	Bottom Edge	10mm	Ant 3	DSI 3	633332	3499.98	Battery 1	Sample 1	15.49	15.70	1.05	-0.07	0.025	0.026
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	633332	3499.98	Battery 1	Sample 3	15.55	15.70	1.035	0.05	0.124	0.128
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	633332	3499.98	Battery 1	Sample 5	15.55	15.70	1.035	0.03	0.136	0.141
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	633332	3499.98	Battery 1	Sample 6	15.55	15.70	1.035	0.17	0.099	0.102
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	633332	3499.98	Battery 1	Sample 10	15.55	15.70	1.035	0.17	0.117	0.121
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	633332	3499.98	Battery 2	Sample 1	15.55	15.70	1.035	-0.05	0.133	0.138
	FR1 n77	100M	BPSK	1	1	Front	10mm	Ant 4	DSI 3	633332	3499.98	Battery 1	Sample 1	17.82	19.00	1.312	0.03	0.025	0.033
	FR1 n77	100M	BPSK	135	69	Front	10mm	Ant 4	DSI 3	633332	3499.98	Battery 1	Sample 1	17.75	19.00	1.334	0.17	0.023	0.031
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	633332	3499.98	Battery 1	Sample 1	17.82	19.00	1.312	-0.12	0.113	0.148
	FR1 n77	100M	BPSK	135	69	Back	10mm	Ant 4	DSI 3	633332									



FCC SAR TEST REPORT

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FR1 n77	100M	BPSK	135	69	Left Edge	10mm	Ant 4	DSI 3	633332	3499.98	Battery 1	Sample 1	17.75	19.00	1.334	0.07	0.059	0.079
FR1 n77	100M	BPSK	1	1	Bottom Edge	10mm	Ant 4	DSI 3	633332	3499.98	Battery 1	Sample 1	17.82	19.00	1.312	0.02	0.020	0.026
FR1 n77	100M	BPSK	135	69	Bottom Edge	10mm	Ant 4	DSI 3	633332	3499.98	Battery 1	Sample 1	17.75	19.00	1.334	0.14	0.018	0.024
FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	633332	3499.98	Battery 1	Sample 3	17.82	19.00	1.312	0.14	0.054	0.071
FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	633332	3499.98	Battery 1	Sample 5	17.82	19.00	1.312	0.02	0.157	0.206
FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	633332	3499.98	Battery 1	Sample 6	17.82	19.00	1.312	-0.16	0.202	0.265
FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	633332	3499.98	Battery 1	Sample 10	17.82	19.00	1.312	0.18	0.131	0.172
FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	633332	3499.98	Battery 2	Sample 6	17.82	19.00	1.312	0.07	0.194	0.255
FR1 n77/n78	100M	BPSK	1	1	Front	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	17.30	17.90	1.148	-0.07	0.059	0.068
FR1 n77/n78	100M	BPSK	135	69	Front	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	17.28	17.90	1.153	0.04	0.054	0.062
FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	17.30	17.90	1.148	-0.02	0.277	0.318
FR1 n77/n78	100M	BPSK	135	69	Back	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	17.28	17.90	1.153	-0.15	0.252	0.291
FR1 n77/n78	100M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	17.30	17.90	1.148	-0.01	0.216	0.248
FR1 n77/n78	100M	BPSK	135	69	Left Edge	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	17.28	17.90	1.153	-0.06	0.201	0.232
FR1 n77/n78	100M	BPSK	1	1	Right Edge	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	17.30	17.90	1.148	0.18	0.010	0.011
FR1 n77/n78	100M	BPSK	135	69	Right Edge	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	17.28	17.90	1.153	-0.01	0.008	0.009
FR1 n77/n78	100M	BPSK	1	1	Top Edge	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	17.30	17.90	1.148	0.01	0.090	0.103
FR1 n77/n78	100M	BPSK	135	69	Top Edge	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 1	17.28	17.90	1.153	-0.10	0.082	0.095
FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 3	17.30	17.90	1.148	-0.07	0.238	0.273
FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 5	17.30	17.90	1.148	0.18	0.223	0.256
FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 6	17.30	17.90	1.148	0.06	0.282	0.324
FR1 n77/n78	100M	BPSK	1	1	Back Slant	10mm	Ant 8	DSI 3	641666	3624.99	Battery 1	Sample 10	17.30	17.90	1.148	-0.03	0.160	0.184
FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	641666	3624.99	Battery 2	Sample 6	17.30	17.90	1.148	0.02	0.269	0.309
FR1 n77/n78	100M	BPSK	1	1	Front	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 1	21.17	21.70	1.13	-0.08	0.235	0.266
FR1 n77/n78	100M	BPSK	135	69	Front	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 1	21.15	21.70	1.135	0.18	0.228	0.259
FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 1	21.17	21.70	1.13	-0.15	0.264	0.298
FR1 n77/n78	100M	BPSK	135	69	Back	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 1	21.15	21.70	1.135	0.13	0.256	0.291
FR1 n77/n78	100M	BPSK	1	1	Left Edge	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 1	21.17	21.70	1.13	-0.12	0.042	0.047
FR1 n77/n78	100M	BPSK	135	69	Left Edge	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 1	21.15	21.70	1.135	-0.07	0.040	0.045
FR1 n77/n78	100M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 1	21.17	21.70	1.13	0.02	0.439	0.496
FR1 n77/n78	100M	BPSK	135	69	Right Edge	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 1	21.15	21.70	1.135	0.01	0.429	0.487
FR1 n77/n78	100M	BPSK	1	1	Top Edge	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 1	21.17	21.70	1.13	0.12	0.293	0.331
FR1 n77/n78	100M	BPSK	135	69	Top Edge	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 1	21.15	21.70	1.135	0.01	0.286	0.325
FR1 n77/n78	100M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 3	21.17	21.70	1.13	-0.18	0.434	0.490
FR1 n77/n78	100M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 5	21.17	21.70	1.13	0.19	0.367	0.415
FR1 n77/n78	100M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 6	21.17	21.70	1.13	0.07	0.346	0.391
FR1 n77/n78	100M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	641666	3624.99	Battery 1	Sample 10	21.17	21.70	1.13	-0.03	0.334	0.377
FR1 n77/n78	100M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	641666	3624.99	Battery 2	Sample 1	21.17	21.70	1.13	0.00	0.425	0.480
FR1 n77/n78	100M	BPSK	1	1	Front	10mm	Ant 3	DSI 3	641666	3624.99	Battery 1	Sample 1	15.04	15.70	1.164	0.07	0.026	0.030
FR1 n77/n78	100M	BPSK	135	69	Front	10mm	Ant 3	DSI 3	641666	3624.99	Battery 1	Sample 1	15.02	15.70	1.169	0.04	0.024	0.028
FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	641666	3624.99	Battery 1	Sample 1	15.04	15.70	1.164	-0.02	0.086	0.100
FR1 n77/n78	100M	BPSK	135	69	Back	10mm	Ant 3	DSI 3	641666	3624.99	Battery 1	Sample 1	15.02	15.70	1.169	-0.01	0.084	0.098
FR1 n77/n78	100M	BPSK	1	1	Right Edge	10mm	Ant 3	DSI 3	641666	3624.99	Battery 1	Sample 1	15.04	15.70	1.164	-0.01	0.075	0.087
FR1 n77/n78	100M	BPSK	135	69	Right Edge	10mm	Ant 3	DSI 3	641666	3624.99	Battery 1	Sample 1	15.02	15.70	1.169	0.19	0.072	0.084
FR1 n77/n78	100M	BPSK	1	1	Bottom Edge	10mm	Ant 3	DSI 3	641666	3624.99	Battery 1	Sample 1	15.04	15.70	1.164	-0.07	0.013	0.015
FR1 n77/n78	100M	BPSK	135	69	Bottom Edge	10mm	Ant 3	DSI 3	641666	3624.99	Battery 1	Sample 1	15.02	15.70	1.169	-0.03	0.012	0.014
FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	641666	3624.99	Battery 1	Sample 3	15.04	15.70	1.164	0.18	0.094	0.109
FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	641666	3624.99	Battery 1	Sample 5	15.04	15.70	1.164	0.07	0.116	0.135
FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	641666	3624.99	Battery 1	Sample 6	15.04	15.70	1.164	0.05	0.083	0.097
FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	641666	3624.99	Battery 1	Sample 10	15.04	15.70	1.164	0.00	0.068	0.079
FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	641666	3624.99	Battery 2	Sample 5	15.04	15.70	1.164	0.02	0.109	0.127
FR1 n77/n78	100M	BPSK	1	1	Front	10mm	Ant 4	DSI 3	641666	3624.99	Battery 1	Sample 1	17.90	19.00	1.288	-0.02	0.038	0.049
FR1 n77/n78	100M	BPSK	135	69	Front	10mm	Ant 4	DSI 3	641666	3624.99	Battery 1	Sample 1	17.85	19.00	1.303	0.08	0.034	0.044
FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	641666	3624.99	Battery 1	Sample 1	17.90	19.00	1.288	0.01	0.189	0.243
FR1 n77/n78	100M	BPSK	135	69	Back	10mm	Ant 4	DSI 3	641666	3624.99	Battery 1	Sample 1	17.85	19.00	1.303	0.11	0.185	0.241
FR1 n77/n78	100M	BPSK	1	1	Left Edge	10mm	Ant 4	DSI 3	641666	3624.99	Battery 1	Sample 1	17.90	19.00	1.288	0.06	0.121	0.156
FR1 n77/n78	100M	BPSK	135	69	Left Edge	10mm	Ant 4	DSI 3	641666	3624.99	Battery 1	Sample 1	17.85	19.00	1.303	-0.00	0.118	0.154
FR1 n77/n78	100M	BPSK	1	1	Bottom Edge	10mm	Ant 4	DSI 3	641666	3624.99	Battery 1	Sample 1	17.90	19.00	1.288	0.16	0.024	0.031
FR1 n77/n78	100M	BPSK	135	69	Bottom Edge	10mm	Ant 4	DSI 3	641666	3624.99	Battery 1	Sample 1	17.85	19.00	1.303	-0.12	0.023	0.030
FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	641666	3624.99	Battery 1	Sample 3	17.90	19.00	1.288	-0.12	0.078	0.100
FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	641666	3624.99	Battery 1	Sample 5	17.90	19.00	1.288	-0.17	0.213	0.274
FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	641666	3624.99	Battery 1	Sample 6	17.90	19.00	1.288	0.10	0.265	0.341
FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	641666	3624.99	Battery 1	Sample 10	17.90	19.00	1.288	0.08	0.175	0.225
FR1 n77/n78	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	641666	3624.99	Battery 2	Sample 6	17.90	19.00	1.288	-0.04	0.258	0.332
FR1 n77	100M	BPSK	1	1	Front	10mm	Ant 8	DSI 3	656000	3840	Battery 1	Sample 1	17.37	17.90	1.13	-0.10	0.036	0.041
FR1 n77	100M	BPSK	135	69	Front	10mm	Ant 8	DSI 3	656000	3840	Battery 1	Sample 1	17.34	17.90	1.138	-0.11	0.033	0.038
FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	656000	3840	Battery 1	Sample 1	17.37	17.90	1.13	-0.03	0.240	0.271
FR1 n77	100M	BPSK	135	69	Back	10mm	Ant 8	DSI 3	656000	3840	Battery 1	Sample 1	17.34	17.90	1.138	-0.04	0.227	0.258
FR1 n77	100M	BPSK	1	1	Left Edge	10mm	Ant 8	DSI 3	656000	3840	Battery 1	Sample 1	17.37	17.90	1.13	-0.09	0.211	0.238
FR1 n77	100M	BPSK	135	69	Left Edge	10mm	Ant 8	DSI 3	656000	3840	Battery 1	Sample 1	17.34	17.90	1.138	-0.02	0.200	0.228
FR1 n77	100M	BPSK</																



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	FR1 n77	100M	BPSK	135	69	Top Edge	10mm	Ant 8	DSI 3	656000	3840	Battery 1	Sample 1	17.34	17.90	1.138	-0.08	0.091	0.104
	FR1 n77 HPUE	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	656000	3840	Battery 1	Sample 1	20.32	20.90	1.143	-0.10	0.217	0.248
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	656000	3840	Battery 1	Sample 3	17.37	17.90	1.13	0.04	0.303	0.342
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	656000	3840	Battery 1	Sample 5	17.37	17.90	1.13	0.16	0.288	0.325
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 8	DSI 3	656000	3840	Battery 1	Sample 6	17.37	17.90	1.13	-0.02	0.298	0.337
	FR1 n77	100M	BPSK	1	1	Back_Slant	10mm	Ant 8	DSI 3	656000	3840	Battery 1	Sample 10	17.37	17.90	1.13	0.07	0.330	0.373
	FR1 n77 HPUE	100M	BPSK	1	1	Back_Slant	10mm	Ant 8	DSI 3	656000	3840	Battery 1	Sample 10	20.32	20.90	1.143	0.01	0.302	0.345
	FR1 n77	100M	BPSK	1	1	Back_Slant	10mm	Ant 8	DSI 3	656000	3840	Battery 2	Sample 10	17.37	17.90	1.13	-0.09	0.318	0.359
	FR1 n77	100M	BPSK	1	1	Front	10mm	Ant 9	DSI 3	656000	3840	Battery 1	Sample 1	21.25	21.70	1.109	0.16	0.326	0.362
	FR1 n77	100M	BPSK	135	69	Front	10mm	Ant 9	DSI 3	656000	3840	Battery 1	Sample 1	21.23	21.70	1.114	-0.08	0.322	0.359
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 9	DSI 3	656000	3840	Battery 1	Sample 1	21.25	21.70	1.109	-0.15	0.483	0.536
	FR1 n77	100M	BPSK	135	69	Back	10mm	Ant 9	DSI 3	656000	3840	Battery 1	Sample 1	21.23	21.70	1.114	-0.12	0.467	0.520
	FR1 n77	100M	BPSK	1	1	Left Edge	10mm	Ant 9	DSI 3	656000	3840	Battery 1	Sample 1	21.25	21.70	1.109	0.11	0.105	0.116
	FR1 n77	100M	BPSK	135	69	Left Edge	10mm	Ant 9	DSI 3	656000	3840	Battery 1	Sample 1	21.23	21.70	1.114	0.05	0.095	0.106
	FR1 n77	100M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	656000	3840	Battery 1	Sample 1	21.25	21.70	1.109	-0.11	0.497	0.551
	FR1 n77	100M	BPSK	135	69	Right Edge	10mm	Ant 9	DSI 3	656000	3840	Battery 1	Sample 1	21.23	21.70	1.114	-0.03	0.485	0.540
	FR1 n77	100M	BPSK	1	1	Top Edge	10mm	Ant 9	DSI 3	656000	3840	Battery 1	Sample 1	21.25	21.70	1.109	-0.07	0.424	0.470
	FR1 n77	100M	BPSK	135	69	Top Edge	10mm	Ant 9	DSI 3	656000	3840	Battery 1	Sample 1	21.23	21.70	1.114	0.02	0.410	0.457
	FR1 n77 HPUE	100M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	656000	3840	Battery 1	Sample 1	24.26	24.70	1.107	-0.03	0.467	0.517
	FR1 n77	100M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	656000	3840	Battery 1	Sample 3	21.25	21.70	1.109	0.08	0.511	0.567
	FR1 n77 HPUE	100M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	656000	3840	Battery 1	Sample 3	24.26	24.70	1.107	0.03	0.483	0.535
	FR1 n77	100M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	656000	3840	Battery 1	Sample 5	21.25	21.70	1.109	-0.17	0.481	0.533
	FR1 n77	100M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	656000	3840	Battery 1	Sample 6	21.25	21.70	1.109	0.16	0.436	0.484
	FR1 n77	100M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	656000	3840	Battery 1	Sample 10	21.25	21.70	1.109	-0.07	0.490	0.543
	FR1 n77	100M	BPSK	1	1	Right Edge	10mm	Ant 9	DSI 3	656000	3840	Battery 2	Sample 3	21.25	21.70	1.109	0.03	0.502	0.557
	FR1 n77	100M	BPSK	1	1	Front	10mm	Ant 3	DSI 3	656000	3840	Battery 1	Sample 1	15.28	15.70	1.102	-0.11	0.007	0.008
	FR1 n77	100M	BPSK	135	69	Front	10mm	Ant 3	DSI 3	656000	3840	Battery 1	Sample 1	15.26	15.70	1.107	-0.16	0.007	0.008
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	656000	3840	Battery 1	Sample 1	15.28	15.70	1.102	-0.05	0.018	0.020
	FR1 n77	100M	BPSK	135	69	Back	10mm	Ant 3	DSI 3	656000	3840	Battery 1	Sample 1	15.26	15.70	1.107	-0.02	0.017	0.019
	FR1 n77	100M	BPSK	1	1	Right Edge	10mm	Ant 3	DSI 3	656000	3840	Battery 1	Sample 1	15.28	15.70	1.102	-0.17	0.011	0.012
	FR1 n77	100M	BPSK	135	69	Right Edge	10mm	Ant 3	DSI 3	656000	3840	Battery 1	Sample 1	15.26	15.70	1.107	-0.10	0.010	0.011
	FR1 n77	100M	BPSK	1	1	Bottom Edge	10mm	Ant 3	DSI 3	656000	3840	Battery 1	Sample 1	15.28	15.70	1.102	-0.17	0.001	0.001
	FR1 n77	100M	BPSK	135	69	Bottom Edge	10mm	Ant 3	DSI 3	656000	3840	Battery 1	Sample 1	15.26	15.70	1.107	0.10	0.001	0.001
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	656000	3840	Battery 1	Sample 3	15.28	15.70	1.102	0.07	0.361	0.398
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	656000	3840	Battery 1	Sample 5	15.28	15.70	1.102	-0.08	0.023	0.025
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	656000	3840	Battery 1	Sample 6	15.28	15.70	1.102	-0.13	0.168	0.185
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	656000	3840	Battery 1	Sample 10	15.28	15.70	1.102	0.11	0.037	0.041
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 3	DSI 3	656000	3840	Battery 2	Sample 3	15.28	15.70	1.102	0.05	0.351	0.387
	FR1 n77	100M	BPSK	1	1	Back	25mm	Ant 3	DSI 0	656000	3840	Battery 1	Sample 3	24.66	25.00	1.081	-0.05	0.613	0.663
	FR1 n77	100M	BPSK	1	1	Front	10mm	Ant 4	DSI 3	656000	3840	Battery 1	Sample 1	18.11	19.00	1.227	-0.02	0.083	0.102
	FR1 n77	100M	BPSK	135	69	Front	10mm	Ant 4	DSI 3	656000	3840	Battery 1	Sample 1	18.08	19.00	1.236	-0.02	0.078	0.096
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	656000	3840	Battery 1	Sample 1	18.11	19.00	1.227	-0.19	0.322	0.395
	FR1 n77	100M	BPSK	135	69	Back	10mm	Ant 4	DSI 3	656000	3840	Battery 1	Sample 1	18.08	19.00	1.236	0.15	0.289	0.357
	FR1 n77	100M	BPSK	1	1	Left Edge	10mm	Ant 4	DSI 3	656000	3840	Battery 1	Sample 1	18.11	19.00	1.227	0.03	0.235	0.288
	FR1 n77	100M	BPSK	135	69	Left Edge	10mm	Ant 4	DSI 3	656000	3840	Battery 1	Sample 1	18.08	19.00	1.236	0.04	0.228	0.282
	FR1 n77	100M	BPSK	1	1	Bottom Edge	10mm	Ant 4	DSI 3	656000	3840	Battery 1	Sample 1	18.11	19.00	1.227	-0.09	0.042	0.052
	FR1 n77	100M	BPSK	135	69	Bottom Edge	10mm	Ant 4	DSI 3	656000	3840	Battery 1	Sample 1	18.08	19.00	1.236	-0.08	0.039	0.048
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	656000	3840	Battery 1	Sample 3	18.11	19.00	1.227	0.06	0.182	0.223
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	656000	3840	Battery 1	Sample 5	18.11	19.00	1.227	-0.14	0.307	0.377
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	656000	3840	Battery 1	Sample 6	18.11	19.00	1.227	-0.06	0.443	0.544
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	656000	3840	Battery 1	Sample 10	18.11	19.00	1.227	0.12	0.373	0.458
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 4	DSI 3	656000	3840	Battery 2	Sample 6	18.11	19.00	1.227	0.06	0.426	0.523



FCC SAR TEST REPORT

Report No. : FA5N0611-01B

[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	DSI 3	11	2462	Battery 1	Sample 1	20.16	20.50	1.081	97.07	1.03	0.05	0.100	0.111
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 6	DSI 3	11	2462	Battery 1	Sample 1	20.16	20.50	1.081	97.07	1.03	-0.13	0.241	0.268
	WLAN2.4GHz	802.11b 1Mbps	Left Edge	10mm	Ant 6	DSI 3	11	2462	Battery 1	Sample 1	20.16	20.50	1.081	97.07	1.03	0.09	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	10mm	Ant 6	DSI 3	11	2462	Battery 1	Sample 1	20.16	20.50	1.081	97.07	1.03	0.18	0.170	0.189
	WLAN2.4GHz	802.11b 1Mbps	Top Edge	10mm	Ant 6	DSI 3	11	2462	Battery 1	Sample 1	20.16	20.50	1.081	97.07	1.03	0.14	0.071	0.079
	WLAN2.4GHz	802.11b 1Mbps	Bottom Edge	10mm	Ant 6	DSI 3	11	2462	Battery 1	Sample 1	20.16	20.50	1.081	97.07	1.03	-0.11	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 6	DSI 3	11	2462	Battery 1	Sample 3	20.16	20.50	1.081	97.07	1.03	-0.15	0.291	0.324
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 6	DSI 3	11	2462	Battery 1	Sample 5	20.16	20.50	1.081	97.07	1.03	0.00	0.284	0.316
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 6	DSI 3	11	2462	Battery 1	Sample 6	20.16	20.50	1.081	97.07	1.03	-0.06	0.294	0.327
	WLAN2.4GHz	802.11b 1Mbps	Back_Slant	10mm	Ant 6	DSI 3	11	2462	Battery 1	Sample 10	20.16	20.50	1.081	97.07	1.03	-0.01	0.310	0.345
	WLAN2.4GHz	802.11b 1Mbps	Back_Slant	10mm	Ant 6	DSI 3	11	2462	Battery 2	Sample 10	20.16	20.50	1.081	97.07	1.03	0.02	0.303	0.337
	WLAN2.4GHz	802.11b 1Mbps	Back_Slant	25mm	Ant 6	DSI 0	1	2412	Battery 1	Sample 10	21.94	22.00	1.014	97.07	1.03	0.18	0.089	0.093
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 7	DSI 3	11	2462	Battery 1	Sample 1	19.99	20.50	1.125	97.07	1.03	-0.18	0.069	0.080
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 7	DSI 3	11	2462	Battery 1	Sample 1	19.99	20.50	1.125	97.07	1.03	-0.04	0.161	0.187
	WLAN2.4GHz	802.11b 1Mbps	Left Edge	10mm	Ant 7	DSI 3	11	2462	Battery 1	Sample 1	19.99	20.50	1.125	97.07	1.03	-0.11	0.135	0.156
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	10mm	Ant 7	DSI 3	11	2462	Battery 1	Sample 1	19.99	20.50	1.125	97.07	1.03	-0.11	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Top Edge	10mm	Ant 7	DSI 3	11	2462	Battery 1	Sample 1	19.99	20.50	1.125	97.07	1.03	-0.16	0.045	0.052
	WLAN2.4GHz	802.11b 1Mbps	Bottom Edge	10mm	Ant 7	DSI 3	11	2462	Battery 1	Sample 1	19.99	20.50	1.125	97.07	1.03	-0.05	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 7	DSI 3	11	2462	Battery 1	Sample 3	19.99	20.50	1.125	97.07	1.03	-0.02	0.172	0.199
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 7	DSI 3	11	2462	Battery 1	Sample 5	19.99	20.50	1.125	97.07	1.03	-0.08	0.194	0.225
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 7	DSI 3	11	2462	Battery 1	Sample 6	19.99	20.50	1.125	97.07	1.03	-0.03	0.246	0.285
	WLAN2.4GHz	802.11b 1Mbps	Back_Slant	10mm	Ant 7	DSI 3	11	2462	Battery 1	Sample 10	19.99	20.50	1.125	97.07	1.03	0.10	0.183	0.212
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 7	DSI 3	11	2462	Battery 2	Sample 6	19.99	20.50	1.125	97.07	1.03	-0.12	0.233	0.270
	WLAN2.4GHz	802.11b 1Mbps	Back	25mm	Ant 7	DSI 0	11	2462	Battery 1	Sample 6	21.36	22.00	1.159	97.07	1.03	-0.03	0.075	0.090
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant MIMO(6)	DSI 3	11	2462	Battery 1	Sample 1	20.02	20.50	1.117	97.07	1.03	0.17	0.147	0.169
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant MIMO(6)	DSI 3	11	2462	Battery 1	Sample 1	20.02	20.50	1.117	97.07	1.03	-0.16	0.329	0.379
	WLAN2.4GHz	802.11b 1Mbps	Left Edge	10mm	Ant MIMO(6)	DSI 3	11	2462	Battery 1	Sample 1	20.02	20.50	1.117	97.07	1.03	0.06	0.108	0.124
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	10mm	Ant MIMO(6)	DSI 3	11	2462	Battery 1	Sample 1	20.02	20.50	1.117	97.07	1.03	-0.05	0.276	0.318
	WLAN2.4GHz	802.11b 1Mbps	Top Edge	10mm	Ant MIMO(6)	DSI 3	11	2462	Battery 1	Sample 1	20.02	20.50	1.117	97.07	1.03	-0.03	0.170	0.196
	WLAN2.4GHz	802.11b 1Mbps	Bottom Edge	10mm	Ant MIMO(6)	DSI 3	11	2462	Battery 1	Sample 1	20.02	20.50	1.117	97.07	1.03	-0.08	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant MIMO(6)	DSI 3	11	2462	Battery 1	Sample 3	20.02	20.50	1.117	97.07	1.03	-0.16	0.271	0.312
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant MIMO(6)	DSI 3	11	2462	Battery 1	Sample 5	20.02	20.50	1.117	97.07	1.03	-0.03	0.305	0.351
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant MIMO(6)	DSI 3	11	2462	Battery 1	Sample 6	20.02	20.50	1.117	97.07	1.03	0.12	0.259	0.298
69	WLAN2.4GHz	802.11b 1Mbps	Back_Slant	10mm	Ant MIMO(6)	DSI 3	11	2462	Battery 1	Sample 10	20.02	20.50	1.117	97.07	1.03	-0.06	0.364	0.419
	WLAN2.4GHz	802.11b 1Mbps	Back_Slant	10mm	Ant MIMO(7)	DSI 3	11	2462	Battery 1	Sample 10	20.11	20.50	1.094	97.07	1.03	-0.03	0.238	0.268
	WLAN2.4GHz	802.11b 1Mbps	Back_Slant	10mm	Ant MIMO(6)	DSI 3	11	2462	Battery 2	Sample 10	20.02	20.50	1.117	97.07	1.03	0.07	0.349	0.402
	WLAN2.4GHz	802.11b 1Mbps	Back_Slant	10mm	Ant MIMO(7)	DSI 3	11	2462	Battery 2	Sample 10	20.11	20.50	1.094	97.07	1.03	0.11	0.231	0.260
	WLAN2.4GHz	802.11b 1Mbps	Back_Slant	25mm	Ant MIMO(6)	DSI 0	6	2437	Battery 1	Sample 10	21.91	22.00	1.021	97.07	1.03	0.09	0.068	0.072
	WLAN2.4GHz	802.11b 1Mbps	Back_Slant	25mm	Ant MIMO(7)	DSI 0	6	2437	Battery 1	Sample 10	21.33	22.00	1.167	97.07	1.03	0.12	0.123	0.148
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant MIMO(7)	DSI 3	42	5210	Battery 1	Sample 1	13.27	14.70	1.39	100.0	1.0	-0.07	0.035	0.049
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant MIMO(7)	DSI 3	42	5210	Battery 1	Sample 1	13.27	14.70	1.39	100.0	1.0	-0.03	0.303	0.421
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant MIMO(7)	DSI 3	42	5210	Battery 1	Sample 1	13.27	14.70	1.39	100.0	1.0	0.04	0.189	0.263
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	10mm	Ant MIMO(7)	DSI 3	42	5210	Battery 1	Sample 1	13.27	14.70	1.39	100.0	1.0	-0.02	0.118	0.164
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	10mm	Ant MIMO(7)	DSI 3	42	5210	Battery 1	Sample 1	13.27	14.70	1.39	100.0	1.0	0.17	0.027	0.038
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Edge	10mm	Ant MIMO(7)	DSI 3	42	5210	Battery 1	Sample 1	13.27	14.70	1.39	100.0	1.0	-0.08	0.010	0.014
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant MIMO(7)	DSI 3	42	5210	Battery 1	Sample 3	13.27	14.70	1.39	100.0	1.0	-0.09	0.330	0.459
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant MIMO(7)	DSI 3	42	5210	Battery 1	Sample 5	13.27	14.70	1.39	100.0	1.0	-0.08	0.281	0.391
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant MIMO(7)	DSI 3	42	5210	Battery 1	Sample 6	13.27	14.70	1.39	100.0	1.0	-0.06	0.298	0.414
	WLAN5GHz	802.11ac-VHT80 MCS0	Back_Slant	10mm	Ant MIMO(6)	DSI 3	42	5210	Battery 1	Sample 10	13.66	14.70	1.271	100.0	1.0	-0.12	0.285	0.362
	WLAN5GHz	802.11ac-VHT80 MCS0	Back_Slant	10mm	Ant MIMO(7)	DSI 2	42	5210	Battery 1	Sample 10	13.27	14.70	1.39	100.0	1.0	-0.03	0.405	0.563
	WLAN5GHz	802.11a 6Mbps	Back_Slant	25mm	Ant MIMO(6)	DSI 0	48	5240	Battery 1	Sample 10	19.81	20.00	1.045	99.1	1.009	0.15	0.373	0.393
	WLAN5GHz	802.11a 6Mbps	Back_Slant	25mm	Ant MIMO(7)	DSI 0	48	5240	Battery 1	Sample 10	19.12	20.00	1.225	99.1	1.009	-0.09	0.553	0.684
	WLAN5GHz	802.11a 6Mbps	Back_Slant	25mm	Ant MIMO(6)	DSI 0	52	5260	Battery 1	Sample 10	19.82	20.00	1.042	99.1	1.009	0.07	0.553	0.581
70	WLAN5GHz	802.11a 6Mbps	Back_Slant	25mm	Ant MIMO(7)	DSI 0	52	5260	Battery 1	Sample 10	19.24	20.00	1.191	99.1	1.009	-0.02	0.784	0.942
	WLAN5GHz	802.11a 6Mbps	Back_Slant	25mm	Ant MIMO(6)	DSI 0	52	5260	Battery 2	Sample 10	19.82	20.00	1.042	99.1	1.009	0.06	0.539	0.567
	WLAN5GHz	802.11a 6Mbps	Back_Slant	25mm	Ant MIMO(7)	DSI 0	52	5260	Battery 2	Sample 10	19.24	20.00	1.191	99.1	1.009	0.11	0.775	0.931
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant MIMO(7)	DSI 3	155	5775	Battery 1	Sample 1	13.04	14.70	1.466	100.0	1.0	-0.09	0.068	0.100
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant MIMO(7)	DSI 3	155	5775	Battery 1	Sample 1	13.04	14.70	1.466	100.0	1.0	0.02	0.385	0.564
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant MIMO(7)	DSI 3	155	5775	Battery 1	Sample 1	13.04	14.70	1.466	100.0	1.0	0.10	0.435	0.638
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	10mm	Ant MIMO(7)	DSI 3	155	5775	Battery 1	Sample 1	13.04	14.70	1.466	100.0	1.0	-0.00	0.387	0.567
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	10mm	Ant MIMO(7)	DSI 3	155	5775	Battery 1	Sample 1	13.04	14.70	1.466	100.0	1.0	0.17	0.038	0.056
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Edge	10mm	Ant MIMO(7)	DSI 3	155	5775	Battery 1	Sample 1	13.04	14.70	1.466	100.0	1.0	0.01	0.014	0.021
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant MIMO(7)	DSI 3	155	5775	Battery 1	Sample 3	13.04	14.70	1.466	100.0	1.0	-0.16	0.459	0.673
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant MIMO(7)	DSI 3	155	5775	Battery 1	Sample 5	13.04	14.70	1.466	100.0	1.0	0.01	0.413	0.605
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant MIMO(7)	DSI 3	155	5775	Battery 1	Sample 6	13.04	14.70	1.466	100.0	1.0	0.04	0.392	0.575
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant MIMO(7)	DSI 2	155	5775	Battery 1	Sample 10	13.04	14.70	1.466	100.0	1.0	-0.05	0.499	0.732
	WLAN5GHz	802.11a 6Mbps	Left Edge	25mm	Ant MIMO(7)	DSI 0	116	5580	Battery 1	Sample 10	19.36	20.00	1.159	99.1	1.009	0.05	0.755	0.883
71	WLAN5GHz	802.11a 6Mbps	Left Edge	25mm	Ant MIMO(7)	DSI 0	165	5825	Battery 1	Sample 10	19.48	20.00	1.127	99.1	1.009			



【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	802.11be-EHT320 MCS0	Front	10mm	Ant MIMO(7)	DSI 3	159	6745	Battery 1	Sample 1	10.08	10.50	1.102	99.63	1.004	0.09	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11be-EHT320 MCS0	Back	10mm	Ant MIMO(7)	DSI 3	159	6745	Battery 1	Sample 1	10.08	10.50	1.102	99.63	1.004	-0.03	0.069	0.076	0.587	0.649
	WLAN6GHz	802.11be-EHT320 MCS0	Left Edge	10mm	Ant MIMO(7)	DSI 3	159	6745	Battery 1	Sample 1	10.08	10.50	1.102	99.63	1.004	-0.03	0.088	0.097	0.745	0.824
	WLAN6GHz	802.11be-EHT320 MCS0	Left Edge	10mm	Ant MIMO(6)	DSI 3	31	6105	Battery 1	Sample 1	9.34	10.50	1.306	99.63	1.004	0.15	0.176	0.231	1.570	2.059
	WLAN6GHz	802.11be-EHT320 MCS0	Left Edge	10mm	Ant MIMO(6)	DSI 3	63	6265	Battery 1	Sample 1	9.97	10.50	1.13	99.63	1.004	-0.16	0.168	0.191	1.590	1.804
	WLAN6GHz	802.11be-EHT320 MCS0	Left Edge	10mm	Ant MIMO(6)	DSI 3	95	6425	Battery 1	Sample 1	9.49	10.50	1.262	99.63	1.004	-0.01	0.147	0.186	1.320	1.673
	WLAN6GHz	802.11be-EHT320 MCS0	Left Edge	10mm	Ant MIMO(6)	DSI 3	127	6585	Battery 1	Sample 1	9.54	10.50	1.247	99.63	1.004	0.08	0.134	0.168	1.130	1.415
	WLAN6GHz	802.11be-EHT320 MCS0	Left Edge	10mm	Ant MIMO(6)	DSI 3	191	6905	Battery 1	Sample 1	9.61	10.50	1.227	99.63	1.004	-0.19	0.094	0.116	0.787	0.970
	WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	10mm	Ant MIMO(7)	DSI 3	159	6745	Battery 1	Sample 1	10.08	10.50	1.102	99.63	1.004	0.18	0.075	0.083	0.678	0.750
	WLAN6GHz	802.11be-EHT320 MCS0	Top Edge	10mm	Ant MIMO(7)	DSI 3	159	6745	Battery 1	Sample 1	10.08	10.50	1.102	99.63	1.004	-0.11	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Edge	10mm	Ant MIMO(7)	DSI 3	159	6745	Battery 1	Sample 1	10.08	10.50	1.102	99.63	1.004	0.17	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11be-EHT320 MCS0	Left Edge	10mm	Ant MIMO(6)	DSI 3	31	6105	Battery 1	Sample 3	9.34	10.50	1.306	99.63	1.004	0.13	0.169	0.222	1.500	1.967
	WLAN6GHz	802.11be-EHT320 MCS0	Left Edge	10mm	Ant MIMO(6)	DSI 3	31	6105	Battery 1	Sample 5	9.34	10.50	1.306	99.63	1.004	0.09	0.171	0.224	1.520	1.993
	WLAN6GHz	802.11be-EHT320 MCS0	Left Edge	10mm	Ant MIMO(6)	DSI 3	31	6105	Battery 1	Sample 6	9.34	10.50	1.306	99.63	1.004	-0.01	0.191	0.250	1.700	2.229
72	WLAN6GHz	802.11be-EHT320 MCS0	Left Edge	10mm	Ant MIMO(6)	DSI 3	31	6105	Battery 1	Sample 10	9.34	10.50	1.306	99.63	1.004	-0.14	0.208	0.273	1.710	2.242
	WLAN6GHz	802.11be-EHT320 MCS0	Left Edge	10mm	Ant MIMO(6)	DSI 3	31	6105	Battery 2	Sample 10	9.34	10.50	1.306	99.63	1.004	-0.00	0.197	0.258	1.660	2.177

【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	DSI 3	78	2480	Battery 1	Sample 1	6.41	7.00	1.146	77.07	1.081	0.00	0.001	0.001
73	Bluetooth	1Mbps	Back	10mm	Ant 6	DSI 3	78	2480	Battery 1	Sample 1	6.41	7.00	1.146	77.07	1.081	-0.03	0.015	0.019
	Bluetooth	1Mbps	Left Edge	10mm	Ant 6	DSI 3	78	2480	Battery 1	Sample 1	6.41	7.00	1.146	77.07	1.081	0.00	0.001	0.001
	Bluetooth	1Mbps	Right Edge	10mm	Ant 6	DSI 3	78	2480	Battery 1	Sample 1	6.41	7.00	1.146	77.07	1.081	0.00	0.001	0.001
	Bluetooth	1Mbps	Top Edge	10mm	Ant 6	DSI 3	78	2480	Battery 1	Sample 1	6.41	7.00	1.146	77.07	1.081	0.00	0.001	0.001
	Bluetooth	1Mbps	Bottom Edge	10mm	Ant 6	DSI 3	78	2480	Battery 1	Sample 1	6.41	7.00	1.146	77.07	1.081	0.00	0.001	0.001
	Bluetooth	1Mbps	Back	10mm	Ant 6	DSI 3	78	2480	Battery 1	Sample 3	6.41	7.00	1.146	77.07	1.081	0.19	0.012	0.015
	Bluetooth	1Mbps	Back	10mm	Ant 6	DSI 3	78	2480	Battery 1	Sample 5	6.41	7.00	1.146	77.07	1.081	0.02	0.010	0.012
	Bluetooth	1Mbps	Back	10mm	Ant 6	DSI 3	78	2480	Battery 1	Sample 6	6.41	7.00	1.146	77.07	1.081	-0.15	0.013	0.016
	Bluetooth	1Mbps	Back_Slant	10mm	Ant 6	DSI 3	78	2480	Battery 1	Sample 10	6.41	7.00	1.146	77.07	1.081	-0.03	0.012	0.015
	Bluetooth	1Mbps	Back	10mm	Ant 6	DSI 3	78	2480	Battery 2	Sample 1	6.41	7.00	1.146	77.07	1.081	0.14	0.014	0.017
	Bluetooth	1Mbps	Back	25mm	Ant 6	DSI 0	78	2480	Battery 1	Sample 1	6.41	7.00	1.146	77.07	1.081	0.00	0.001	0.001
	Bluetooth	1Mbps	Front	10mm	Ant 7	DSI 3	0	2402	Battery 1	Sample 1	6.41	7.00	1.146	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Back	10mm	Ant 7	DSI 3	0	2402	Battery 1	Sample 1	6.41	7.00	1.146	76.93	1.083	-0.05	0.014	0.017
	Bluetooth	1Mbps	Left Edge	10mm	Ant 7	DSI 3	0	2402	Battery 1	Sample 1	6.41	7.00	1.146	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Right Edge	10mm	Ant 7	DSI 3	0	2402	Battery 1	Sample 1	6.41	7.00	1.146	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Top Edge	10mm	Ant 7	DSI 3	0	2402	Battery 1	Sample 1	6.41	7.00	1.146	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Bottom Edge	10mm	Ant 7	DSI 3	0	2402	Battery 1	Sample 1	6.41	7.00	1.146	76.93	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Back	10mm	Ant 7	DSI 3	0	2402	Battery 1	Sample 3	6.41	7.00	1.146	76.93	1.083	0.01	0.012	0.015
	Bluetooth	1Mbps	Back	10mm	Ant 7	DSI 3	0	2402	Battery 1	Sample 5	6.41	7.00	1.146	76.93	1.083	-0.11	0.010	0.012
	Bluetooth	1Mbps	Back	10mm	Ant 7	DSI 3	0	2402	Battery 1	Sample 6	6.41	7.00	1.146	76.93	1.083	0.18	0.013	0.016
	Bluetooth	1Mbps	Back_Slant	10mm	Ant 7	DSI 3	0	2402	Battery 1	Sample 10	6.41	7.00	1.146	76.93	1.083	0.17	0.008	0.010
	Bluetooth	1Mbps	Back	10mm	Ant 7	DSI 3	0	2402	Battery 2	Sample 1	6.41	7.00	1.146	76.93	1.083	0.01	0.012	0.015
	Bluetooth	1Mbps	Back	25mm	Ant 7	DSI 0	0	2402	Battery 1	Sample 1	6.41	7.00	1.146	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)	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	128	824.2	Battery 1	Sample 1	25.92	27.30	1.374	0.16	0.200	0.275
	GSM850	GPRS 4 Tx slots	Back	5mm	Ant 8	DSI 1	128	824.2	Battery 1	Sample 1	25.92	27.30	1.374	-0.13	0.537	0.738
	GSM850	GPRS 4 Tx slots	Back with Holster	0mm	Ant 8	DSI 1	128	824.2	Battery 1	Sample 1	25.92	27.30	1.374	0.09	0.075	0.103
	GSM850	GPRS 4 Tx slots	Back with Clip	0mm	Ant 8	DSI 1	128	824.2	Battery 1	Sample 1	25.92	27.30	1.374	0.13	0.120	0.165
	GSM850	GPRS 4 Tx slots	Back	5mm	Ant 8	DSI 1	251	848.8	Battery 1	Sample 3	25.90	27.30	1.38	-0.09	0.798	1.101
	GSM850	GPRS 4 Tx slots	Back	5mm	Ant 8	DSI 1	251	848.8	Battery 1	Sample 5	25.90	27.30	1.38	0.14	0.459	0.633
74	GSM850	GPRS 4 Tx slots	Back	5mm	Ant 8	DSI 1	251	848.8	Battery 1	Sample 6	25.90	27.30	1.38	-0.12	0.856	1.181
	GSM850	GPRS 4 Tx slots	Back	5mm	Ant 8	DSI 1	251	848.8	Battery 1	Sample 10	25.90	27.30	1.38	0.03	0.502	0.693
	GSM850	GPRS 4 Tx slots	Back	5mm	Ant 8	DSI 1	251	848.8	Battery 2	Sample 6	25.90	27.30	1.38	0.09	0.829	1.144
	GSM1900	GPRS 2 Tx slots	Front	5mm	Ant 1	DSI 1	810	1909.8	Battery 1	Sample 1	26.19	27.50	1.352	0.04	0.208	0.281
	GSM1900	GPRS 2 Tx slots	Back	5mm	Ant 1	DSI 1	810	1909.8	Battery 1	Sample 1	26.19	27.50	1.352	-0.16	0.547	0.740
	GSM1900	GPRS 2 Tx slots	Back with Holster	0mm	Ant 1	DSI 1	810	1909.8	Battery 1	Sample 1	26.19	27.50	1.352	0.16	0.192	0.260
	GSM1900	GPRS 2 Tx slots	Back with Clip	0mm	Ant 1	DSI 1	810	1909.8	Battery 1	Sample 1	26.19	27.50	1.352	-0.11	0.257	0.347
	GSM1900	GPRS 2 Tx slots	Back	5mm	Ant 1	DSI 1	810	1909.8	Battery 1	Sample 5	26.19	27.50	1.352	0.16	0.494	0.668
	GSM1900	GPRS 2 Tx slots	Back	5mm	Ant 1	DSI 1	810	1909.8	Battery 1	Sample 5	26.19	27.50	1.352	-0.10	0.538	0.727
75	GSM1900	GPRS 2 Tx slots	Back	5mm	Ant 1	DSI 1	810	1909.8	Battery 1	Sample 6	26.19	27.50	1.352	-0.02	0.584	0.790
	GSM1900	GPRS 2 Tx slots	Back_Slant	5mm	Ant 1	DSI 1	810	1909.8	Battery 1	Sample 10	26.19	27.50	1.352	-0.13	0.496	0.671
	GSM1900	GPRS 2 Tx slots	Back	5mm	Ant 1	DSI 1	810	1909.8	Battery 2	Sample 6	26.19	27.50	1.352	0.09	0.567	0.767

[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	5mm	Ant 1	DSI 1	9400	1880	Battery 1	Sample 1	22.00	22.30	1.072	-0.05	0.311	0.333
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 1	9400	1880	Battery 1	Sample 1	22.00	22.30	1.072	0.14	0.757	0.812
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 1	9262	1852.4	Battery 1	Sample 1	21.92	22.30	1.091	0.11	0.841	0.918
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 1	9538	1907.6	Battery 1	Sample 1	21.87	22.30	1.104	-0.15	0.737	0.814
	WCDMA II	RMC 12.2Kbps	Back with Holster	0mm	Ant 1	DSI 1	9400	1880	Battery 1	Sample 1	22.00	22.30	1.072	0.09	0.209	0.224
	WCDMA II	RMC 12.2Kbps	Back with Clip	0mm	Ant 1	DSI 1	9400	1880	Battery 1	Sample 1	22.00	22.30	1.072	0.13	0.365	0.391
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 1	9262	1852.4	Battery 1	Sample 3	21.92	22.30	1.091	-0.06	0.938	1.023
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 1	9400	1880	Battery 1	Sample 3	22.00	22.30	1.072	0.03	0.845	0.906
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 1	9538	1907.6	Battery 1	Sample 3	21.87	22.30	1.104	-0.04	0.833	0.920
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 1	9262	1852.4	Battery 1	Sample 5	21.92	22.30	1.091	-0.17	0.808	0.882
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 1	9400	1880	Battery 1	Sample 5	22.00	22.30	1.072	-0.08	0.724	0.776
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 1	9538	1907.6	Battery 1	Sample 5	21.87	22.30	1.104	0.02	0.718	0.793
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 1	9262	1852.4	Battery 1	Sample 6	21.92	22.30	1.091	0.14	1.020	1.113
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 1	9400	1880	Battery 1	Sample 6	22.00	22.30	1.072	0.00	0.954	1.023
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 1	9538	1907.6	Battery 1	Sample 6	21.87	22.30	1.104	-0.04	0.933	1.030
76	WCDMA II	RMC 12.2Kbps	Back_Slant	5mm	Ant 1	DSI 1	9262	1852.4	Battery 1	Sample 10	21.92	22.30	1.091	-0.05	1.080	1.178
	WCDMA II	RMC 12.2Kbps	Back_Slant	5mm	Ant 1	DSI 1	9400	1880	Battery 1	Sample 10	22.00	22.30	1.072	0.06	1.010	1.083
	WCDMA II	RMC 12.2Kbps	Back_Slant	5mm	Ant 1	DSI 1	9538	1907.6	Battery 1	Sample 10	21.87	22.30	1.104	-0.11	1.020	1.126
	WCDMA II	RMC 12.2Kbps	Back_Slant	5mm	Ant 1	DSI 1	9262	1852.4	Battery 2	Sample 10	21.92	22.30	1.091	0.06	1.040	1.135
	WCDMA IV	RMC 12.2Kbps	Front	5mm	Ant 1	DSI 1	1413	1732.6	Battery 1	Sample 1	20.93	21.30	1.089	0.11	0.165	0.180
	WCDMA IV	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 1	1413	1732.6	Battery 1	Sample 1	20.93	21.30	1.089	0.12	0.756	0.823
	WCDMA IV	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 1	1312	1712.4	Battery 1	Sample 1	20.71	21.30	1.146	0.16	0.797	0.913
	WCDMA IV	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 1	1513	1752.6	Battery 1	Sample 1	20.91	21.30	1.094	0.10	0.842	0.921
	WCDMA IV	RMC 12.2Kbps	Back with Holster	0mm	Ant 1	DSI 1	1413	1732.6	Battery 1	Sample 1	20.93	21.30	1.089	-0.18	0.173	0.188
	WCDMA IV	RMC 12.2Kbps	Back with Clip	0mm	Ant 1	DSI 1	1413	1732.6	Battery 1	Sample 1	20.93	21.30	1.089	0.18	0.314	0.342
	WCDMA IV	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 1	1513	1752.6	Battery 1	Sample 3	20.91	21.30	1.094	-0.08	0.899	0.984
	WCDMA IV	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 1	1312	1712.4	Battery 1	Sample 3	20.71	21.30	1.146	0.07	0.834	0.956
	WCDMA IV	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 1	1413	1732.6	Battery 1	Sample 3	20.93	21.30	1.089	-0.11	0.822	0.895
	WCDMA IV	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 1	1513	1752.6	Battery 1	Sample 5	20.91	21.30	1.094	0.13	0.698	0.764
	WCDMA IV	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 1	1513	1752.6	Battery 1	Sample 6	20.91	21.30	1.094	-0.05	0.806	0.882
	WCDMA IV	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 1	1312	1712.4	Battery 1	Sample 6	20.71	21.30	1.146	0.09	0.758	0.869
	WCDMA IV	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 1	1413	1732.6	Battery 1	Sample 6	20.93	21.30	1.089	-0.04	0.743	0.809
77	WCDMA IV	RMC 12.2Kbps	Back_Slant	5mm	Ant 1	DSI 1	1513	1752.6	Battery 1	Sample 10	20.91	21.30	1.094	-0.06	1.080	1.182
	WCDMA IV	RMC 12.2Kbps	Back_Slant	5mm	Ant 1	DSI 1	1312	1712.4	Battery 1	Sample 10	20.71	21.30	1.146	-0.10	0.966	1.107
	WCDMA IV	RMC 12.2Kbps	Back_Slant	5mm	Ant 1	DSI 1	1413	1732.6	Battery 1	Sample 10	20.93	21.30	1.089	0.00	0.945	1.029
	WCDMA IV	RMC 12.2Kbps	Back_Slant	5mm	Ant 1	DSI 1	1513	1752.6	Battery 2	Sample 10	20.91	21.30	1.094	0.14	1.030	1.127
	WCDMA V	RMC 12.2Kbps	Front	5mm	Ant 8	DSI 1	4233	846.6	Battery 1	Sample 1	23.47	24.00	1.13	0.01	0.293	0.331
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	4233	846.6	Battery 1	Sample 1	23.47	24.00	1.13	-0.17	0.870	0.983
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	4132	826.4	Battery 1	Sample 1	23.44	24.00	1.138	0.19	0.818	0.931
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	4182	836.4	Battery 1	Sample 1	23.42	24.00	1.143	0.03	0.915	1.046
	WCDMA V	RMC 12.2Kbps	Back with Holster	0mm	Ant 8	DSI 1	4233	846.6	Battery 1	Sample 1	23.47	24.00	1.13	-0.04	0.103	0.116



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	WCDMA V	RMC 12.2Kbps	Back with Clip	0mm	Ant 8	DSI 1	4233	846.6	Battery 1	Sample 1	23.47	24.00	1.13	0.10	0.220	0.249
78	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	4182	836.4	Battery 1	Sample 3	23.42	24.00	1.143	-0.03	1.020	1.166
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	4132	826.4	Battery 1	Sample 3	23.44	24.00	1.138	0.05	0.935	1.064
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	4233	846.6	Battery 1	Sample 3	23.47	24.00	1.13	0.06	0.984	1.112
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	4182	836.4	Battery 1	Sample 5	23.42	24.00	1.143	-0.18	0.885	1.012
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	4132	826.4	Battery 1	Sample 5	23.44	24.00	1.138	-0.00	0.758	0.863
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	4233	846.6	Battery 1	Sample 5	23.47	24.00	1.13	-0.09	0.816	0.922
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	4182	836.4	Battery 1	Sample 6	23.42	24.00	1.143	0.07	0.740	0.846
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	4132	826.4	Battery 1	Sample 6	23.44	24.00	1.138	0.03	0.654	0.744
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	4233	846.6	Battery 1	Sample 6	23.47	24.00	1.13	0.14	0.711	0.803
	WCDMA V	RMC 12.2Kbps	Back_Slant	5mm	Ant 8	DSI 1	4182	836.4	Battery 1	Sample 10	23.42	24.00	1.143	-0.03	0.765	0.874
	WCDMA V	RMC 12.2Kbps	Back_Slant	5mm	Ant 8	DSI 1	4132	826.4	Battery 1	Sample 10	23.44	24.00	1.138	0.15	0.700	0.797
	WCDMA V	RMC 12.2Kbps	Back_Slant	5mm	Ant 8	DSI 1	4233	846.6	Battery 1	Sample 10	23.47	24.00	1.13	-0.06	0.723	0.817
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 1	4182	836.4	Battery 2	Sample 3	23.42	24.00	1.143	0.06	0.994	1.136

【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 7	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 1	21350	2560	Battery 1	Sample 1	21.10	21.60	1.122			-0.16	0.306	0.343
	LTE Band 7	20M	QPSK	50	0	Front	5mm	Ant 8	DSI 1	21350	2560	Battery 1	Sample 1	20.09	20.60	1.125			0.18	0.236	0.265
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	21350	2560	Battery 1	Sample 1	21.10	21.60	1.122			-0.13	0.866	0.972
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	20850	2510	Battery 1	Sample 1	21.03	21.60	1.14			-0.15	0.679	0.774
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	21100	2535	Battery 1	Sample 1	20.92	21.60	1.169			-0.13	0.851	0.995
	LTE Band 7	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 1	21350	2560	Battery 1	Sample 1	20.09	20.60	1.125			0.16	0.677	0.762
	LTE Band 7	20M	QPSK	100	0	Back	5mm	Ant 8	DSI 1	21350	2560	Battery 1	Sample 1	20.06	20.60	1.132			0.07	0.654	0.740
	LTE Band 7	20M	QPSK	1	0	Back with Holster	0mm	Ant 8	DSI 1	21350	2560	Battery 1	Sample 1	21.10	21.60	1.122			-0.11	0.060	0.067
	LTE Band 7	20M	QPSK	50	0	Back with Holster	0mm	Ant 8	DSI 1	21350	2560	Battery 1	Sample 1	20.09	20.60	1.125			-0.11	0.045	0.051
	LTE Band 7	20M	QPSK	1	0	Back with Clip	0mm	Ant 8	DSI 1	21350	2560	Battery 1	Sample 1	21.10	21.60	1.122			-0.02	0.178	0.200
	LTE Band 7	20M	QPSK	50	0	Back with Clip	0mm	Ant 8	DSI 1	21350	2560	Battery 1	Sample 1	20.09	20.60	1.125			-0.12	0.137	0.154
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	21100	2535	Battery 1	Sample 3	20.92	21.60	1.169			0.15	0.901	1.053
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	20850	2510	Battery 1	Sample 3	21.03	21.60	1.14			0.02	0.684	0.780
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	21350	2560	Battery 1	Sample 3	21.10	21.60	1.122			0.09	0.889	0.997
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	21100	2535	Battery 1	Sample 5	20.92	21.60	1.169			-0.03	0.999	1.168
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	20850	2510	Battery 1	Sample 5	21.03	21.60	1.14			-0.12	0.816	0.930
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	21350	2560	Battery 1	Sample 5	21.10	21.60	1.122			0.15	1.010	1.133
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	21100	2535	Battery 1	Sample 6	20.92	21.60	1.169			0.05	0.778	0.909
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	20850	2510	Battery 1	Sample 6	21.03	21.60	1.14			0.17	0.753	0.858
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	21350	2560	Battery 1	Sample 6	21.10	21.60	1.122			-0.00	0.767	0.861
	LTE Band 7	20M	QPSK	1	0	Back_Slant	5mm	Ant 8	DSI 1	21100	2535	Battery 1	Sample 10	20.92	21.60	1.169			-0.03	0.876	1.024
	LTE Band 7	20M	QPSK	1	0	Back_Slant	5mm	Ant 8	DSI 1	20850	2510	Battery 1	Sample 10	21.03	21.60	1.14			0.09	0.637	0.726
	LTE Band 7	20M	QPSK	1	0	Back_Slant	5mm	Ant 8	DSI 1	21350	2560	Battery 1	Sample 10	21.10	21.60	1.122			-0.03	0.849	0.953
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	21100	2535	Battery 2	Sample 5	20.92	21.60	1.169			0.05	0.984	1.150
	LTE Band 7	20M	QPSK	1	0	Front	5mm	Ant 5	DSI 1	21100	2535	Battery 1	Sample 1	17.80	18.70	1.23			0.16	0.147	0.181
	LTE Band 7	20M	QPSK	50	0	Front	5mm	Ant 5	DSI 1	21100	2535	Battery 1	Sample 1	17.45	18.70	1.334			0.15	0.128	0.171
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 5	DSI 1	21100	2535	Battery 1	Sample 1	17.80	18.70	1.23			0.07	0.458	0.563
	LTE Band 7	20M	QPSK	50	0	Back	5mm	Ant 5	DSI 1	21100	2535	Battery 1	Sample 1	17.45	18.70	1.334			0.17	0.401	0.535
	LTE Band 7	20M	QPSK	1	0	Back with Holster	0mm	Ant 5	DSI 1	21100	2535	Battery 1	Sample 1	17.80	18.70	1.23			-0.09	0.112	0.138
	LTE Band 7	20M	QPSK	50	0	Back with Holster	0mm	Ant 5	DSI 1	21100	2535	Battery 1	Sample 1	17.45	18.70	1.334			0.12	0.097	0.129
	LTE Band 7	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	21100	2535	Battery 1	Sample 1	17.80	18.70	1.23			0.19	0.712	0.876
	LTE Band 7	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	20850	2510	Battery 1	Sample 1	17.33	18.70	1.371			-0.18	0.624	0.856
	LTE Band 7	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	21350	2560	Battery 1	Sample 1	17.71	18.70	1.256			0.06	0.718	0.902
	LTE Band 7	20M	QPSK	50	0	Back with Clip	0mm	Ant 5	DSI 1	21100	2535	Battery 1	Sample 1	17.45	18.70	1.334			0.19	0.640	0.854
	LTE Band 7	20M	QPSK	50	0	Back with Clip	0mm	Ant 5	DSI 1	20850	2510	Battery 1	Sample 1	17.08	18.70	1.452			0.05	0.571	0.829
	LTE Band 7	20M	QPSK	50	0	Back with Clip	0mm	Ant 5	DSI 1	21350	2560	Battery 1	Sample 1	17.31	18.70	1.377			-0.01	0.634	0.873
	LTE Band 7	20M	QPSK	100	0	Back with Clip	0mm	Ant 5	DSI 1	21100	2535	Battery 1	Sample 1	17.43	18.70	1.34			0.10	0.635	0.851
79	LTE Band 7	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	21350	2560	Battery 1	Sample 3	17.71	18.70	1.256			-0.02	0.947	1.189
	LTE Band 7	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	20850	2510	Battery 1	Sample 3	17.33	18.70	1.371			0.05	0.852	1.168
	LTE Band 7	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	21100	2535	Battery 1	Sample 3	17.80	18.70	1.23			0.04	0.902	1.109
	LTE Band 7	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	21350	2560	Battery 1	Sample 5	17.71	18.70	1.256			0.14	0.853	1.071
	LTE Band 7	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	20850	2510	Battery 1	Sample 5	17.33	18.70	1.371			-0.02	0.792	1.086
	LTE Band 7	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	21100	2535	Battery 1	Sample 5	17.80	18.70	1.23			-0.15	0.837	1.030
	LTE Band 7	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	21350	2560	Battery 1	Sample 6	17.71	18.70	1.256			0.02	0.847	1.064
	LTE Band 7	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	20850	2510	Battery 1	Sample 6	17.33	18.70	1.371			0.03	0.759	1.041
	LTE Band 7	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	21100	2535	Battery 1	Sample 6	17.80	18.70	1.23			0.07	0.830	1.021
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 5	DSI 1	21350	2560	Battery 1	Sample 10	17.71	18.70	1.256			-0.03	0.495	0.622
	LTE Band 7	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	21350	2560	Battery 2	Sample 3	17.71	18.70	1.256			0.03	0.928	1.166
	LTE Band 12	10M	QPSK	1	0	Front	5mm	Ant 8	DSI 1	23095	707.5	Battery 1	Sample 1	24.19	25.00	1.205			0.10	0.218	0.263
	LTE Band 12	10M	QPSK	25	0	Front	5mm	Ant 8	DSI 1	23095	707.5	Battery 1	Sample 1	23.19	24.00	1.205			-0.13	0.169	0.204
	LTE Band 12	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	23095	707.5	Battery 1	Sample 1	24.19	25.00	1.205			-0.14	0.686	0.827
	LTE Band 12	10M	QPSK	25	0	Back	5mm	Ant 8	DSI 1	23095	707.5	Battery 1	Sample 1	23.19	24.00	1.205			0.01	0.531	0.640

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	LTE Band 12	10M	QPSK	50	0	Back	5mm	Ant 8	DSI 1	23095	707.5	Battery 1	Sample 1	23.14	24.00	1.219			0.06	0.522	0.636
	LTE Band 12	10M	QPSK	1	0	Back with Holster	0mm	Ant 8	DSI 1	23095	707.5	Battery 1	Sample 1	24.19	25.00	1.205			-0.09	0.110	0.133
	LTE Band 12	10M	QPSK	25	0	Back with Holster	0mm	Ant 8	DSI 1	23095	707.5	Battery 1	Sample 1	23.19	24.00	1.205			-0.11	0.084	0.101
	LTE Band 12	10M	QPSK	1	0	Back with Clip	0mm	Ant 8	DSI 1	23095	707.5	Battery 1	Sample 1	24.19	25.00	1.205			-0.14	0.122	0.147
	LTE Band 12	10M	QPSK	25	0	Back with Clip	0mm	Ant 8	DSI 1	23095	707.5	Battery 1	Sample 1	23.19	24.00	1.205			0.17	0.095	0.114
	LTE Band 12	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	23095	707.5	Battery 1	Sample 3	24.19	25.00	1.205			-0.14	0.531	0.640
80	LTE Band 12	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	23095	707.5	Battery 1	Sample 5	24.19	25.00	1.205			0.05	0.694	0.836
	LTE Band 12	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	23095	707.5	Battery 1	Sample 6	24.19	25.00	1.205			0.18	0.487	0.587
	LTE Band 12	10M	QPSK	1	0	Back_Slant	5mm	Ant 8	DSI 1	23095	707.5	Battery 1	Sample 10	24.19	25.00	1.205			-0.05	0.468	0.564
	LTE Band 12	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	23095	707.5	Battery 2	Sample 5	24.19	25.00	1.205			0.06	0.687	0.828
	LTE Band 13	10M	QPSK	1	0	Front	5mm	Ant 8	DSI 1	23230	782	Battery 1	Sample 1	23.54	24.50	1.247			-0.08	0.292	0.364
	LTE Band 13	10M	QPSK	25	0	Front	5mm	Ant 8	DSI 1	23230	782	Battery 1	Sample 1	22.65	23.50	1.216			0.15	0.231	0.281
	LTE Band 13	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	23230	782	Battery 1	Sample 1	23.54	24.50	1.247			-0.07	0.809	1.009
	LTE Band 13	10M	QPSK	25	0	Back	5mm	Ant 8	DSI 1	23230	782	Battery 1	Sample 1	22.65	23.50	1.216			0.03	0.641	0.779
	LTE Band 13	10M	QPSK	50	0	Back	5mm	Ant 8	DSI 1	23230	782	Battery 1	Sample 1	22.52	23.50	1.253			-0.09	0.623	0.781
	LTE Band 13	10M	QPSK	1	0	Back with Holster	0mm	Ant 8	DSI 1	23230	782	Battery 1	Sample 1	23.54	24.50	1.247			-0.08	0.093	0.116
	LTE Band 13	10M	QPSK	25	0	Back with Holster	0mm	Ant 8	DSI 1	23230	782	Battery 1	Sample 1	22.65	23.50	1.216			-0.15	0.073	0.089
	LTE Band 13	10M	QPSK	1	0	Back with Clip	0mm	Ant 8	DSI 1	23230	782	Battery 1	Sample 1	23.54	24.50	1.247			0.07	0.164	0.205
	LTE Band 13	10M	QPSK	25	0	Back with Clip	0mm	Ant 8	DSI 1	23230	782	Battery 1	Sample 1	22.65	23.50	1.216			-0.07	0.130	0.158
	LTE Band 13	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	23230	782	Battery 1	Sample 3	23.54	24.50	1.247			-0.03	0.761	0.949
81	LTE Band 13	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	23230	782	Battery 1	Sample 5	23.54	24.50	1.247			0.01	0.816	1.018
	LTE Band 13	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	23230	782	Battery 1	Sample 6	23.54	24.50	1.247			0.17	0.680	0.848
	LTE Band 13	10M	QPSK	1	0	Back_Slant	5mm	Ant 8	DSI 1	23230	782	Battery 1	Sample 10	23.54	24.50	1.247			0.06	0.585	0.729
	LTE Band 13	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	23230	782	Battery 2	Sample 5	23.54	24.50	1.247			0.03	0.809	1.009
	LTE Band 14	10M	QPSK	1	0	Front	5mm	Ant 8	DSI 1	23330	793	Battery 1	Sample 1	23.71	24.50	1.199			-0.17	0.330	0.396
	LTE Band 14	10M	QPSK	25	0	Front	5mm	Ant 8	DSI 1	23330	793	Battery 1	Sample 1	22.76	23.50	1.186			-0.15	0.259	0.307
	LTE Band 14	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	23330	793	Battery 1	Sample 1	23.71	24.50	1.199			0.08	0.829	0.994
	LTE Band 14	10M	QPSK	25	0	Back	5mm	Ant 8	DSI 1	23330	793	Battery 1	Sample 1	22.76	23.50	1.186			-0.12	0.651	0.772
	LTE Band 14	10M	QPSK	50	0	Back	5mm	Ant 8	DSI 1	23330	793	Battery 1	Sample 1	22.73	23.50	1.194			-0.02	0.644	0.769
	LTE Band 14	10M	QPSK	1	0	Back with Holster	0mm	Ant 8	DSI 1	23330	793	Battery 1	Sample 1	23.71	24.50	1.199			0.04	0.104	0.125
	LTE Band 14	10M	QPSK	25	0	Back with Holster	0mm	Ant 8	DSI 1	23330	793	Battery 1	Sample 1	22.76	23.50	1.186			0.06	0.082	0.097
	LTE Band 14	10M	QPSK	1	0	Back with Clip	0mm	Ant 8	DSI 1	23330	793	Battery 1	Sample 1	23.71	24.50	1.199			0.08	0.167	0.200
	LTE Band 14	10M	QPSK	25	0	Back with Clip	0mm	Ant 8	DSI 1	23330	793	Battery 1	Sample 1	22.76	23.50	1.186			0.07	0.130	0.154
	LTE Band 14	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	23330	793	Battery 1	Sample 3	23.71	24.50	1.199			-0.00	0.765	0.917
82	LTE Band 14	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	23330	793	Battery 1	Sample 5	23.71	24.50	1.199			0.01	0.841	1.008
	LTE Band 14	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	23330	793	Battery 1	Sample 6	23.71	24.50	1.199			-0.10	0.708	0.849
	LTE Band 14	10M	QPSK	1	0	Back_Slant	5mm	Ant 8	DSI 1	23330	793	Battery 1	Sample 10	23.71	24.50	1.199			0.16	0.732	0.878
	LTE Band 14	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	23330	793	Battery 2	Sample 5	23.71	24.50	1.199			0.06	0.829	0.994
	LTE Band 25	20M	QPSK	1	0	Front	5mm	Ant 1	DSI 1	26340	1880	Battery 1	Sample 1	22.08	22.20	1.028			0.15	0.425	0.437
	LTE Band 25	20M	QPSK	50	0	Front	5mm	Ant 1	DSI 1	26340	1880	Battery 1	Sample 1	21.13	21.20	1.016			0.02	0.334	0.339
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	26340	1880	Battery 1	Sample 1	22.08	22.20	1.028			0.16	0.803	0.825
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	26140	1860	Battery 1	Sample 1	22.04	22.20	1.038			0.07	0.886	0.920
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	26590	1905	Battery 1	Sample 1	21.89	22.20	1.074			-0.09	0.854	0.917
	LTE Band 25	20M	QPSK	50	0	Back	5mm	Ant 1	DSI 1	26340	1880	Battery 1	Sample 1	21.13	21.20	1.016			0.13	0.630	0.640
	LTE Band 25	20M	QPSK	100	0	Back	5mm	Ant 1	DSI 1	26340	1880	Battery 1	Sample 1	21.09	21.20	1.026			0.16	0.615	0.631
	LTE Band 25	20M	QPSK	1	0	Back with Holster	0mm	Ant 1	DSI 1	26340	1880	Battery 1	Sample 1	22.08	22.20	1.028			0.14	0.278	0.286
	LTE Band 25	20M	QPSK	50	0	Back with Holster	0mm	Ant 1	DSI 1	26340	1880	Battery 1	Sample 1	21.13	21.20	1.016			-0.11	0.215	0.218
	LTE Band 25	20M	QPSK	1	0	Back with Clip	0mm	Ant 1	DSI 1	26340	1880	Battery 1	Sample 1	22.08	22.20	1.028			-0.01	0.389	0.400
	LTE Band 25	20M	QPSK	50	0	Back with Clip	0mm	Ant 1	DSI 1	26340	1880	Battery 1	Sample 1	21.13	21.20	1.016			0.17	0.314	0.319
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	26140	1860	Battery 1	Sample 3	22.04	22.20	1.038			0.15	0.967	1.004
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	26340	1880	Battery 1	Sample 3	22.08	22.20	1.028			0.09	0.902	0.927
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	26590	1905	Battery 1	Sample 3	21.89	22.20	1.074			-0.02	0.923	0.991
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	26140	1860	Battery 1	Sample 5	22.04	22.20	1.038			0.16	0.919	0.954
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	26340	1880	Battery 1	Sample 5	22.08	22.20	1.028			0.01	0.851	0.875
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	26590	1905	Battery 1	Sample 5	21.89	22.20	1.074			0.07	0.879	0.944
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	26140	1860	Battery 1	Sample 6	22.04	22.20	1.038			0.03	0.870	0.903
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	26340	1880	Battery 1	Sample 6	22.08	22.20	1.028			0.06	0.823	0.846
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	26590	1905	Battery 1	Sample 6	21.89	22.20	1.074			-0.04	0.825	0.886
	LTE Band 25	20M	QPSK	1	0	Back_Slant	5mm	Ant 1	DSI 1	26140	1860	Battery 1	Sample 10	22.04	22.20	1.038			-0.01	1.120	1.163
	LTE Band 25	20M	QPSK	1	0	Back_Slant	5mm	Ant 1	DSI 1	26340	1880	Battery 1	Sample 10	22.08	22.20	1.028			0.08	0.961	0.988
	LTE Band 25	20M	QPSK	1	0	Back_Slant	5mm	Ant 1	DSI 1	26590	1905	Battery 1	Sample 10	21.89	22.20	1.074			-0.15	1.020	1.095
	LTE Band 25	20M	QPSK	1	0	Back_Slant	5mm	Ant 1	DSI 1	26140	1860	Battery 2	Sample 10	22.04	22.20	1.038			0.02	1.010	1.048
	LTE Band 25	20M	QPSK	1	0	Front	5mm	Ant 5	DSI 1	26340	1880	Battery 1	Sample 1	22.18	23.00	1.208			0.18	0.316	0.382
	LTE Band 25	20M	QPSK	50	0	Front	5mm	Ant 5	DSI 1	26340	1880	Battery 1	Sample 1	22.15	23.00	1.216			0.12	0.301	0.366
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 5	DSI 1	26340	1880	Battery 1	Sample 1	22.18	23.00	1.208			-0.05	0.585	0.707
	LTE Band 25	20M	QPSK	50	0	Back	5mm	Ant 5	DSI 1	26340	1880	Battery 1	Sample 1	22.15	23.00	1.216			0.17	0.567	0.689
	LTE Band 25	20M	QPSK	1	0	Back with Holster	0mm	Ant 5	DSI 1	26340	1880	Battery 1	Sample 1	22.18	23.00	1.208			0.12	0.213	0.257
	LTE Band 25	20M	QPSK	50	0	Back with Holster	0mm	Ant 5	DSI 1	26340	1880	Battery 1	Sample 1	22.15	23.00	1.216			0.03	0.206	0.250
	LTE Band 25	20M	QPSK	1	0	Back with Clip	0														



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	LTE Band 25	20M	QPSK	100	0	Back with Clip	0mm	Ant 5	DSI 1	26340	1880	Battery 1	Sample 1	22.11	23.00	1.227		0.05	0.001	0.001
	LTE Band 25	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	26140	1860	Battery 1	Sample 3	22.14	23.00	1.219		0.17	0.929	1.132
	LTE Band 25	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	26340	1880	Battery 1	Sample 3	22.18	23.00	1.208		0.06	0.885	1.069
	LTE Band 25	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	26590	1905	Battery 1	Sample 3	22.07	23.00	1.239		0.09	0.823	1.020
	LTE Band 25	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	26140	1860	Battery 1	Sample 5	22.14	23.00	1.219		-0.17	0.910	1.109
	LTE Band 25	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	26340	1880	Battery 1	Sample 5	22.18	23.00	1.208		-0.01	0.877	1.059
	LTE Band 25	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	26590	1905	Battery 1	Sample 5	22.07	23.00	1.239		-0.12	0.756	0.937
	LTE Band 25	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	26140	1860	Battery 1	Sample 6	22.14	23.00	1.219		0.08	0.916	1.117
	LTE Band 25	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	26340	1880	Battery 1	Sample 6	22.18	23.00	1.208		0.01	0.862	1.041
	LTE Band 25	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	26590	1905	Battery 1	Sample 6	22.07	23.00	1.239		0.03	0.775	0.960
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 5	DSI 1	26140	1860	Battery 1	Sample 10	22.14	23.00	1.219		0.04	0.545	0.664
	LTE Band 25	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	26140	1860	Battery 2	Sample 1	22.14	23.00	1.219		0.01	0.944	1.151
	LTE Band 26	15M	QPSK	1	0	Front	5mm	Ant 8	DSI 1	26865	831.5	Battery 1	Sample 1	23.96	25.00	1.271		-0.06	0.313	0.398
	LTE Band 26	15M	QPSK	36	0	Front	5mm	Ant 8	DSI 1	26865	831.5	Battery 1	Sample 1	22.99	24.00	1.262		-0.04	0.245	0.309
	LTE Band 26	15M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	26865	831.5	Battery 1	Sample 1	23.96	25.00	1.271		0.16	0.892	1.134
	LTE Band 26	15M	QPSK	36	0	Back	5mm	Ant 8	DSI 1	26865	831.5	Battery 1	Sample 1	22.99	24.00	1.262		0.16	0.697	0.880
	LTE Band 26	15M	QPSK	75	0	Back	5mm	Ant 8	DSI 1	26865	831.5	Battery 1	Sample 1	22.93	24.00	1.279		-0.01	0.683	0.874
	LTE Band 26	15M	QPSK	1	0	Back with Holster	0mm	Ant 8	DSI 1	26865	831.5	Battery 1	Sample 1	23.96	25.00	1.271		-0.07	0.108	0.137
	LTE Band 26	15M	QPSK	36	0	Back with Holster	0mm	Ant 8	DSI 1	26865	831.5	Battery 1	Sample 1	22.99	24.00	1.262		0.04	0.083	0.105
	LTE Band 26	15M	QPSK	1	0	Back with Clip	0mm	Ant 8	DSI 1	26865	831.5	Battery 1	Sample 1	23.96	25.00	1.271		0.10	0.192	0.244
	LTE Band 26	15M	QPSK	36	0	Back with Clip	0mm	Ant 8	DSI 1	26865	831.5	Battery 1	Sample 1	22.99	24.00	1.262		-0.10	0.150	0.189
	LTE Band 26	15M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	26865	831.5	Battery 1	Sample 3	23.96	25.00	1.271		-0.18	0.866	1.101
84	LTE Band 26	15M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	26865	831.5	Battery 1	Sample 5	23.96	25.00	1.271		-0.04	0.908	1.154
	LTE Band 26	15M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	26865	831.5	Battery 1	Sample 6	23.96	25.00	1.271		-0.06	0.844	1.073
	LTE Band 26	15M	QPSK	1	0	Back_Slant	5mm	Ant 8	DSI 1	26865	831.5	Battery 1	Sample 10	23.96	25.00	1.271		0.05	0.780	0.991
	LTE Band 26	15M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	26865	831.5	Battery 2	Sample 5	23.96	25.00	1.271		0.02	0.882	1.121
	LTE Band 30	10M	QPSK	1	0	Front	5mm	Ant 8	DSI 1	27710	2310	Battery 1	Sample 1	23.43	23.50	1.016		0.05	0.445	0.452
	LTE Band 30	10M	QPSK	25	0	Front	5mm	Ant 8	DSI 1	27710	2310	Battery 1	Sample 1	22.25	22.50	1.059		0.01	0.331	0.351
	LTE Band 30	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	27710	2310	Battery 1	Sample 1	23.43	23.50	1.016		0.18	1.000	1.016
	LTE Band 30	10M	QPSK	25	0	Back	5mm	Ant 8	DSI 1	27710	2310	Battery 1	Sample 1	22.25	22.50	1.059		-0.07	0.743	0.787
	LTE Band 30	10M	QPSK	50	0	Back	5mm	Ant 8	DSI 1	27710	2310	Battery 1	Sample 1	22.18	22.50	1.076		-0.01	0.721	0.776
	LTE Band 30	10M	QPSK	1	0	Back with Holster	0mm	Ant 8	DSI 1	27710	2310	Battery 1	Sample 1	23.43	23.50	1.016		0.11	0.078	0.079
	LTE Band 30	10M	QPSK	25	0	Back with Holster	0mm	Ant 8	DSI 1	27710	2310	Battery 1	Sample 1	22.25	22.50	1.059		-0.00	0.057	0.060
	LTE Band 30	10M	QPSK	1	0	Back with Clip	0mm	Ant 8	DSI 1	27710	2310	Battery 1	Sample 1	23.43	23.50	1.016		0.04	0.292	0.297
	LTE Band 30	10M	QPSK	25	0	Back with Clip	0mm	Ant 8	DSI 1	27710	2310	Battery 1	Sample 1	22.25	22.50	1.059		-0.12	0.218	0.231
	LTE Band 30	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	27710	2310	Battery 1	Sample 3	23.43	23.50	1.016		0.07	0.954	0.969
	LTE Band 30	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	27710	2310	Battery 1	Sample 5	23.43	23.50	1.016		0.05	0.908	0.923
	LTE Band 30	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	27710	2310	Battery 1	Sample 6	23.43	23.50	1.016		-0.07	1.150	1.168
	LTE Band 30	10M	QPSK	1	0	Back_Slant	5mm	Ant 8	DSI 1	27710	2310	Battery 1	Sample 10	23.43	23.50	1.016		-0.11	1.120	1.138
	LTE Band 30	10M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	27710	2310	Battery 2	Sample 6	23.43	23.50	1.016		0.03	1.120	1.138
	LTE Band 30	10M	QPSK	1	0	Front	5mm	Ant 5	DSI 1	27710	2310	Battery 1	Sample 1	19.84	20.40	1.138		-0.04	0.320	0.364
	LTE Band 30	10M	QPSK	25	0	Front	5mm	Ant 5	DSI 1	27710	2310	Battery 1	Sample 1	19.81	20.40	1.146		0.14	0.309	0.354
	LTE Band 30	10M	QPSK	1	0	Back	5mm	Ant 5	DSI 1	27710	2310	Battery 1	Sample 1	19.84	20.40	1.138		-0.07	0.544	0.619
	LTE Band 30	10M	QPSK	25	0	Back	5mm	Ant 5	DSI 1	27710	2310	Battery 1	Sample 1	19.81	20.40	1.146		-0.05	0.526	0.603
	LTE Band 30	10M	QPSK	1	0	Back with Holster	0mm	Ant 5	DSI 1	27710	2310	Battery 1	Sample 1	19.84	20.40	1.138		0.02	0.142	0.162
	LTE Band 30	10M	QPSK	25	0	Back with Holster	0mm	Ant 5	DSI 1	27710	2310	Battery 1	Sample 1	19.81	20.40	1.146		0.06	0.135	0.155
	LTE Band 30	10M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	27710	2310	Battery 1	Sample 1	19.84	20.40	1.138		0.11	0.873	0.993
	LTE Band 30	10M	QPSK	25	0	Back with Clip	0mm	Ant 5	DSI 1	27710	2310	Battery 1	Sample 1	19.81	20.40	1.146		-0.13	0.846	0.970
	LTE Band 30	10M	QPSK	50	0	Back with Clip	0mm	Ant 5	DSI 1	27710	2310	Battery 1	Sample 1	19.80	20.40	1.148		0.07	0.839	0.963
	LTE Band 30	10M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	27710	2310	Battery 1	Sample 3	19.84	20.40	1.138		0.06	0.857	0.975
85	LTE Band 30	10M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	27710	2310	Battery 1	Sample 5	19.84	20.40	1.138		-0.02	1.040	1.184
	LTE Band 30	10M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	27710	2310	Battery 1	Sample 6	19.84	20.40	1.138		0.18	0.961	1.094
	LTE Band 30	10M	QPSK	1	0	Back	5mm	Ant 5	DSI 1	27710	2310	Battery 1	Sample 10	19.84	20.40	1.138		0.10	0.456	0.519
	LTE Band 30	10M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	27710	2310	Battery 2	Sample 5	19.84	20.40	1.138		0.06	1.010	1.149
	LTE Band 66	20M	QPSK	1	0	Front	5mm	Ant 1	DSI 1	132322	1745	Battery 1	Sample 1	20.64	20.80	1.038		-0.11	0.162	0.168
	LTE Band 66	20M	QPSK	50	0	Front	5mm	Ant 1	DSI 1	132322	1745	Battery 1	Sample 1	19.65	19.80	1.035		0.13	0.126	0.130
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	132322	1745	Battery 1	Sample 1	20.64	20.80	1.038		-0.00	0.879	0.912
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	132072	1720	Battery 1	Sample 1	20.60	20.80	1.047		0.14	0.905	0.948
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	132572	1770	Battery 1	Sample 1	20.58	20.80	1.052		0.07	0.884	0.930
	LTE Band 66	20M	QPSK	50	0	Back	5mm	Ant 1	DSI 1	132322	1745	Battery 1	Sample 1	19.65	19.80	1.035		0.02	0.684	0.708
	LTE Band 66	20M	QPSK	100	0	Back	5mm	Ant 1	DSI 1	132322	1745	Battery 1	Sample 1	19.63	19.80	1.04		0.14	0.667	0.694
	LTE Band 66	20M	QPSK	1	0	Back with Holster	0mm	Ant 1	DSI 1	132322	1745	Battery 1	Sample 1	20.64	20.80	1.038		-0.12	0.168	0.174
	LTE Band 66	20M	QPSK	50	0	Back with Holster	0mm	Ant 1	DSI 1	132322	1745	Battery 1	Sample 1	19.65	19.80	1.035		-0.07	0.132	0.137
	LTE Band 66	20M	QPSK	1	0	Back with Clip	0mm	Ant 1	DSI 1	132322	1745	Battery 1	Sample 1	20.64	20.80	1.038		-0.07	0.317	0.329
	LTE Band 66	20M	QPSK	50	0	Back with Clip	0mm	Ant 1	DSI 1	132322	1745	Battery 1	Sample 1	19.65	19.80	1.035		-0.10	0.243	0.252
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	132072	1720	Battery 1	Sample 3	20.60	20.80	1.047		-0.14	0.747	0.782
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	132072	1720	Battery 1	Sample 5	20.60	20.80	1.047		0.08	0.679	0.711
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	132072	1720	Battery 1	Sample 6	20.60	20.80	1.047		0.03	0.762	0.798
	LTE Band 66	20M	QPSK	1	0	Back_Slant	5mm	Ant 1	DSI 1	132072	1720	Battery 1	Sample 10	20.60	20.80	1.047		0.01	1.100	1.152
	LTE Band 66	20M	QPSK	1	0	Back_Slant	5mm	Ant 1	DSI 1	132322	1745									



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	LTE Band 66	20M	QPSK	50	0	Front	5mm	Ant 5	DSI 1	132322	1745	Battery 1	Sample 1	21.74	22.20	1.112		0.17	0.331	0.368
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 5	DSI 1	132322	1745	Battery 1	Sample 1	21.77	22.20	1.104		-0.14	0.502	0.554
	LTE Band 66	20M	QPSK	50	0	Back	5mm	Ant 5	DSI 1	132322	1745	Battery 1	Sample 1	21.74	22.20	1.112		0.08	0.456	0.507
	LTE Band 66	20M	QPSK	1	0	Back with Holster	0mm	Ant 5	DSI 1	132322	1745	Battery 1	Sample 1	21.77	22.20	1.104		0.18	0.148	0.163
	LTE Band 66	20M	QPSK	50	0	Back with Holster	0mm	Ant 5	DSI 1	132322	1745	Battery 1	Sample 1	21.74	22.20	1.112		-0.12	0.142	0.158
	LTE Band 66	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	132322	1745	Battery 1	Sample 1	21.77	22.20	1.104		0.18	0.769	0.849
	LTE Band 66	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	132072	1720	Battery 1	Sample 1	21.56	22.20	1.159		0.03	0.788	0.913
	LTE Band 66	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	132572	1770	Battery 1	Sample 1	21.61	22.20	1.146		0.04	0.826	0.947
	LTE Band 66	20M	QPSK	50	0	Back with Clip	0mm	Ant 5	DSI 1	132322	1745	Battery 1	Sample 1	21.74	22.20	1.112		-0.10	0.745	0.828
	LTE Band 66	20M	QPSK	50	0	Back with Clip	0mm	Ant 5	DSI 1	132072	1720	Battery 1	Sample 1	21.49	22.20	1.178		0.06	0.757	0.892
	LTE Band 66	20M	QPSK	50	0	Back with Clip	0mm	Ant 5	DSI 1	132572	1770	Battery 1	Sample 1	21.56	22.20	1.159		0.04	0.799	0.926
	LTE Band 66	20M	QPSK	100	0	Back with Clip	0mm	Ant 5	DSI 1	132322	1745	Battery 1	Sample 1	21.69	22.20	1.125		0.03	0.728	0.819
	LTE Band 66	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	132572	1770	Battery 1	Sample 3	21.61	22.20	1.146		-0.18	0.945	1.083
	LTE Band 66	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	132072	1720	Battery 1	Sample 3	21.56	22.20	1.159		0.02	0.700	0.811
	LTE Band 66	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	132322	1745	Battery 1	Sample 3	21.77	22.20	1.104		0.01	0.796	0.879
	LTE Band 66	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	132572	1770	Battery 1	Sample 5	21.61	22.20	1.146		-0.03	0.876	1.004
	LTE Band 66	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	132072	1720	Battery 1	Sample 5	21.56	22.20	1.159		-0.04	0.833	0.965
	LTE Band 66	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	132322	1745	Battery 1	Sample 5	21.77	22.20	1.104		-0.09	0.825	0.911
86	LTE Band 66	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	132572	1770	Battery 1	Sample 6	21.61	22.20	1.146		-0.04	1.040	1.192
	LTE Band 66	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	132072	1720	Battery 1	Sample 6	21.56	22.20	1.159		0.11	0.917	1.063
	LTE Band 66	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	132322	1745	Battery 1	Sample 6	21.77	22.20	1.104		0.07	0.925	1.021
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 5	DSI 1	132572	1770	Battery 1	Sample 10	21.61	22.20	1.146		0.09	0.693	0.794
	LTE Band 66	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	132572	1770	Battery 2	Sample 6	21.61	22.20	1.146		-0.01	0.998	1.144
	LTE Band 71	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 1	133297	680.5	Battery 1	Sample 1	24.03	25.00	1.25		0.16	0.084	0.105
	LTE Band 71	20M	QPSK	50	0	Front	5mm	Ant 8	DSI 1	133297	680.5	Battery 1	Sample 1	22.86	24.00	1.3		0.07	0.062	0.081
87	LTE Band 71	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	133297	680.5	Battery 1	Sample 1	24.03	25.00	1.25		0.07	0.302	0.378
	LTE Band 71	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 1	133297	680.5	Battery 1	Sample 1	22.86	24.00	1.3		-0.01	0.223	0.290
	LTE Band 71	20M	QPSK	1	0	Back with Holster	0mm	Ant 8	DSI 1	133297	680.5	Battery 1	Sample 1	24.03	25.00	1.25		-0.10	0.041	0.051
	LTE Band 71	20M	QPSK	50	0	Back with Holster	0mm	Ant 8	DSI 1	133297	680.5	Battery 1	Sample 1	22.86	24.00	1.3		0.13	0.030	0.039
	LTE Band 71	20M	QPSK	1	0	Back with Clip	0mm	Ant 8	DSI 1	133297	680.5	Battery 1	Sample 1	24.03	25.00	1.25		0.01	0.052	0.065
	LTE Band 71	20M	QPSK	50	0	Back with Clip	0mm	Ant 8	DSI 1	133297	680.5	Battery 1	Sample 1	22.86	24.00	1.3		-0.02	0.037	0.048
	LTE Band 71	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	133297	680.5	Battery 1	Sample 3	24.03	25.00	1.25		0.14	0.232	0.290
	LTE Band 71	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	133297	680.5	Battery 1	Sample 5	24.03	25.00	1.25		-0.15	0.263	0.329
	LTE Band 71	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	133297	680.5	Battery 1	Sample 6	24.03	25.00	1.25		0.14	0.237	0.296
	LTE Band 71	20M	QPSK	1	0	Back_Slant	5mm	Ant 8	DSI 1	133297	680.5	Battery 1	Sample 10	24.03	25.00	1.25		0.00	0.294	0.368
	LTE Band 71	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	133297	680.5	Battery 2	Sample 1	24.03	25.00	1.25		0.02	0.289	0.361
	LTE Band 106	3M	QPSK	1	0	Front	5mm	Ant 8	DSI 1	134322	899	Battery 1	Sample 1	21.72	22.60	1.225		-0.12	0.369	0.452
	LTE Band 106	3M	QPSK	8	0	Front	5mm	Ant 8	DSI 1	134322	899	Battery 1	Sample 1	20.70	21.60	1.23		-0.11	0.284	0.349
88	LTE Band 106	3M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	134322	899	Battery 1	Sample 1	21.72	22.60	1.225		-0.05	0.953	1.167
	LTE Band 106	3M	QPSK	8	0	Back	5mm	Ant 8	DSI 1	134322	899	Battery 1	Sample 1	20.70	21.60	1.23		-0.16	0.735	0.904
	LTE Band 106	3M	QPSK	15	0	Back	5mm	Ant 8	DSI 1	134322	899	Battery 1	Sample 1	20.66	21.60	1.242		-0.04	0.724	0.899
	LTE Band 106	3M	QPSK	1	0	Back with Holster	0mm	Ant 8	DSI 1	134322	899	Battery 1	Sample 1	21.72	22.60	1.225		0.03	0.158	0.194
	LTE Band 106	3M	QPSK	8	0	Back with Holster	0mm	Ant 8	DSI 1	134322	899	Battery 1	Sample 1	20.70	21.60	1.23		-0.12	0.121	0.149
	LTE Band 106	3M	QPSK	1	0	Back with Clip	0mm	Ant 8	DSI 1	134322	899	Battery 1	Sample 1	21.72	22.60	1.225		-0.01	0.250	0.306
	LTE Band 106	3M	QPSK	8	0	Back with Clip	0mm	Ant 8	DSI 1	134322	899	Battery 1	Sample 1	20.70	21.60	1.23		-0.16	0.193	0.237
	LTE Band 106	3M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	134322	899	Battery 1	Sample 3	21.72	22.60	1.225		0.01	0.759	0.930
	LTE Band 106	3M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	134322	899	Battery 1	Sample 5	21.72	22.60	1.225		0.02	0.862	1.056
	LTE Band 106	3M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	134322	899	Battery 1	Sample 6	21.72	22.60	1.225		-0.10	0.839	1.028
	LTE Band 106	3M	QPSK	1	0	Back_Slant	5mm	Ant 8	DSI 1	134322	899	Battery 1	Sample 10	21.72	22.60	1.225		-0.09	0.827	1.013
	LTE Band 106	3M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	134322	899	Battery 2	Sample 1	21.72	22.60	1.225		-0.04	0.941	1.153
	LTE Band 70	15M	QPSK	1	0	Front	5mm	Ant 1	DSI 1	133047	1702.5	Battery 1	Sample 1	21.68	22.20	1.127		-0.14	0.099	0.112
	LTE Band 70	15M	QPSK	36	0	Front	5mm	Ant 1	DSI 1	133047	1702.5	Battery 1	Sample 1	20.71	21.20	1.119		-0.01	0.078	0.087
	LTE Band 70	15M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	133047	1702.5	Battery 1	Sample 1	21.68	22.20	1.127		-0.06	0.479	0.540
	LTE Band 70	15M	QPSK	36	0	Back	5mm	Ant 1	DSI 1	133047	1702.5	Battery 1	Sample 1	20.71	21.20	1.119		-0.13	0.371	0.415
	LTE Band 70	15M	QPSK	1	0	Back with Holster	0mm	Ant 1	DSI 1	133047	1702.5	Battery 1	Sample 1	21.68	22.20	1.127		-0.17	0.097	0.109
	LTE Band 70	15M	QPSK	36	0	Back with Holster	0mm	Ant 1	DSI 1	133047	1702.5	Battery 1	Sample 1	20.71	21.20	1.119		-0.12	0.075	0.084
	LTE Band 70	15M	QPSK	1	0	Back with Clip	0mm	Ant 1	DSI 1	133047	1702.5	Battery 1	Sample 1	21.68	22.20	1.127		-0.03	0.197	0.222
	LTE Band 70	15M	QPSK	36	0	Back with Clip	0mm	Ant 1	DSI 1	133047	1702.5	Battery 1	Sample 1	20.71	21.20	1.119		0.19	0.153	0.171
	LTE Band 70	15M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	133047	1702.5	Battery 1	Sample 3	21.68	22.20	1.127		-0.03	0.502	0.566
	LTE Band 70	15M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	133047	1702.5	Battery 1	Sample 5	21.68	22.20	1.127		-0.00	0.428	0.482
	LTE Band 70	15M	QPSK	1	0	Back	5mm	Ant 1	DSI 1	133047	1702.5	Battery 1	Sample 6	21.68	22.20	1.127		-0.00	0.541	0.610
	LTE Band 70	15M	QPSK	1	0	Back_Slant	5mm	Ant 1	DSI 1	133047	1702.5	Battery 1	Sample 10	21.68	22.20	1.127		0.11	1.040	1.172
	LTE Band 70	15M	QPSK	36	0	Back_Slant	5mm	Ant 1	DSI 1	133047	1702.5	Battery 1	Sample 10	20.71	21.20	1.119		0.08	0.812	0.909
	LTE Band 70	15M	QPSK	75	0	Back_Slant	5mm	Ant 1	DSI 1	133047	1702.5	Battery 1	Sample 10	20.67	21.20	1.13		-0.12	0.798	0.902
	LTE Band 70	15M	QPSK	1	0	Back_Slant	5mm	Ant 1	DSI 1	133047	1702.5	Battery 2	Sample 10	21.68	22.20	1.127		-0.13	1.000	1.127
	LTE Band 70	15M	QPSK	1	0	Front	5mm	Ant 5	DSI 1	133047	1702.5	Battery 1	Sample 1	23.55	24.60	1.274		-0.03	0.274	0.349
	LTE Band 70	15M	QPSK	36	0	Front	5mm	Ant 5	DSI 1	133047	1702.5	Battery 1	Sample 1	22.84	24.00	1.306		-0.15	0.221	0.289
	LTE Band 70	15M	QPSK	1	0	Back	5mm	Ant 5	DSI 1	133047	1702.5	Battery 1	Sample 1	23.55	24.60	1.274		-0.07	0.478	0.609
	LTE Band 70	15M	QPSK	36	0	Back	5mm	Ant 5	DSI 1	133047	1702.5	Battery 1	Sample 1	22.84	24.00	1.306		-0.11	0.395	0.516
	LTE Band 70	15M	QPSK</																	



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89	LTE Band 70	15M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	133047	1702.5	Battery 1	Sample 3	23.55	24.60	1.274			-0.19	0.933	1.189
	LTE Band 70	15M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	133047	1702.5	Battery 1	Sample 5	23.55	24.60	1.274			0.05	0.664	0.846
	LTE Band 70	15M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	133047	1702.5	Battery 1	Sample 6	23.55	24.60	1.274			-0.08	0.687	0.875
	LTE Band 70	15M	QPSK	1	0	Back	5mm	Ant 5	DSI 1	133047	1702.5	Battery 1	Sample 10	23.55	24.60	1.274			0.18	0.728	0.927
	LTE Band 70	15M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	133047	1702.5	Battery 2	Sample 3	23.55	24.60	1.274			0.03	0.917	1.168
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 1	40620	2593	Battery 1	Sample 1	22.80	23.20	1.096	62.9	1.006	0.09	0.495	0.546
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 8	DSI 1	40620	2593	Battery 1	Sample 1	21.78	22.20	1.102	62.9	1.006	0.01	0.385	0.427
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	40620	2593	Battery 1	Sample 1	22.80	23.20	1.096	62.9	1.006	0.09	0.972	1.072
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	39750	2506	Battery 1	Sample 1	22.41	23.20	1.199	62.9	1.006	-0.07	0.670	0.808
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	40185	2549.5	Battery 1	Sample 1	22.44	23.20	1.191	62.9	1.006	0.11	0.950	1.138
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	41055	2636.5	Battery 1	Sample 1	22.79	23.20	1.099	62.9	1.006	0.06	1.040	1.150
90	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	41490	2680	Battery 1	Sample 1	22.49	23.20	1.178	62.9	1.006	0.07	0.987	1.170
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 1	40620	2593	Battery 1	Sample 1	21.78	22.20	1.102	62.9	1.006	-0.15	0.749	0.830
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 1	39750	2506	Battery 1	Sample 1	21.45	22.20	1.189	62.9	1.006	0.16	0.527	0.630
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 1	40185	2549.5	Battery 1	Sample 1	21.54	22.20	1.164	62.9	1.006	-0.13	0.756	0.885
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 1	41055	2636.5	Battery 1	Sample 1	21.77	22.20	1.104	62.9	1.006	-0.08	0.808	0.897
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 1	41490	2680	Battery 1	Sample 1	21.50	22.20	1.175	62.9	1.006	-0.07	0.771	0.911
	LTE Band 41	20M	QPSK	100	0	Back	5mm	Ant 8	DSI 1	40620	2593	Battery 1	Sample 1	21.71	22.20	1.119	62.9	1.006	0.14	0.001	0.001
	LTE Band 41	20M	QPSK	1	0	Back with Holster	0mm	Ant 8	DSI 1	40620	2593	Battery 1	Sample 1	22.80	23.20	1.096	62.9	1.006	-0.16	0.127	0.140
	LTE Band 41	20M	QPSK	50	0	Back with Holster	0mm	Ant 8	DSI 1	40620	2593	Battery 1	Sample 1	21.78	22.20	1.102	62.9	1.006	-0.10	0.099	0.110
	LTE Band 41	20M	QPSK	1	0	Back with Clip	0mm	Ant 8	DSI 1	40620	2593	Battery 1	Sample 1	22.80	23.20	1.096	62.9	1.006	-0.19	0.346	0.381
	LTE Band 41	20M	QPSK	50	0	Back with Clip	0mm	Ant 8	DSI 1	40620	2593	Battery 1	Sample 1	21.78	22.20	1.102	62.9	1.006	0.16	0.268	0.297
	LTE Band 41 HPUE	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	40620	2593	Battery 1	Sample 1	24.76	24.80	1.009	42.9	1.009	0.07	1.050	1.069
	LTE Band 41 HPUE	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	39750	2506	Battery 1	Sample 1	24.27	24.80	1.13	42.9	1.009	-0.07	0.617	0.703
	LTE Band 41 HPUE	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	40185	2549.5	Battery 1	Sample 1	24.46	24.80	1.081	42.9	1.009	0.06	0.950	1.036
	LTE Band 41 HPUE	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	41055	2636.5	Battery 1	Sample 1	24.71	24.80	1.021	42.9	1.009	0.14	0.994	1.024
	LTE Band 41 HPUE	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	41490	2680	Battery 1	Sample 1	24.48	24.80	1.076	42.9	1.009	0.00	1.030	1.118
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	41490	2680	Battery 1	Sample 3	22.49	23.20	1.178	62.9	1.006	0.05	0.965	1.144
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	39750	2506	Battery 1	Sample 3	22.41	23.20	1.199	62.9	1.006	0.07	0.646	0.779
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	40185	2549.5	Battery 1	Sample 3	22.44	23.20	1.191	62.9	1.006	0.01	0.935	1.120
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	40620	2593	Battery 1	Sample 3	22.80	23.20	1.096	62.9	1.006	-0.13	0.958	1.056
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	41055	2636.5	Battery 1	Sample 3	22.79	23.20	1.099	62.9	1.006	0.15	0.933	1.032
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	41490	2680	Battery 1	Sample 5	22.49	23.20	1.178	62.9	1.006	0.13	0.938	1.112
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	39750	2506	Battery 1	Sample 5	22.41	23.20	1.199	62.9	1.006	0.09	0.622	0.750
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	40185	2549.5	Battery 1	Sample 5	22.44	23.20	1.191	62.9	1.006	-0.04	0.932	1.117
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	40620	2593	Battery 1	Sample 5	22.80	23.20	1.096	62.9	1.006	0.02	0.946	1.043
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	41055	2636.5	Battery 1	Sample 5	22.79	23.20	1.099	62.9	1.006	0.08	0.925	1.023
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	41490	2680	Battery 1	Sample 6	22.49	23.20	1.178	62.9	1.006	0.17	0.979	1.160
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	39750	2506	Battery 1	Sample 6	22.41	23.20	1.199	62.9	1.006	0.00	0.717	0.865
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	40185	2549.5	Battery 1	Sample 6	22.44	23.20	1.191	62.9	1.006	0.12	0.856	1.026
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	40620	2593	Battery 1	Sample 6	22.80	23.20	1.096	62.9	1.006	-0.09	0.881	0.971
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	41055	2636.5	Battery 1	Sample 6	22.79	23.20	1.099	62.9	1.006	0.03	0.915	1.012
	LTE Band 41	20M	QPSK	1	0	Back_Slant	5mm	Ant 8	DSI 1	41490	2680	Battery 1	Sample 10	22.49	23.20	1.178	62.9	1.006	0.14	0.581	0.689
	LTE Band 41	20M	QPSK	1	0	Back_Slant	5mm	Ant 8	DSI 1	39750	2506	Battery 1	Sample 10	22.41	23.20	1.199	62.9	1.006	0.06	0.414	0.499
	LTE Band 41	20M	QPSK	1	0	Back_Slant	5mm	Ant 8	DSI 1	40185	2549.5	Battery 1	Sample 10	22.44	23.20	1.191	62.9	1.006	-0.02	0.489	0.586
	LTE Band 41	20M	QPSK	1	0	Back_Slant	5mm	Ant 8	DSI 1	40620	2593	Battery 1	Sample 10	22.80	23.20	1.096	62.9	1.006	-0.04	0.526	0.580
	LTE Band 41	20M	QPSK	1	0	Back_Slant	5mm	Ant 8	DSI 1	41055	2636.5	Battery 1	Sample 10	22.79	23.20	1.099	62.9	1.006	0.15	0.557	0.616
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	41490	2680	Battery 2	Sample 1	22.49	23.20	1.178	62.9	1.006	-0.14	0.966	1.145
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 5	DSI 1	40620	2593	Battery 1	Sample 1	19.93	20.80	1.222	62.9	1.006	-0.18	0.153	0.188
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 5	DSI 1	40620	2593	Battery 1	Sample 1	19.83	20.80	1.25	62.9	1.006	0.14	0.147	0.185
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 5	DSI 1	40620	2593	Battery 1	Sample 1	19.93	20.80	1.222	62.9	1.006	0.11	0.476	0.585
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 5	DSI 1	40620	2593	Battery 1	Sample 1	19.83	20.80	1.25	62.9	1.006	-0.17	0.455	0.572
	LTE Band 41	20M	QPSK	1	0	Back with Holster	0mm	Ant 5	DSI 1	40620	2593	Battery 1	Sample 1	19.93	20.80	1.222	62.9	1.006	0.01	0.119	0.146
	LTE Band 41	20M	QPSK	50	0	Back with Holster	0mm	Ant 5	DSI 1	40620	2593	Battery 1	Sample 1	19.83	20.80	1.25	62.9	1.006	0.15	0.113	0.142
	LTE Band 41	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	40620	2593	Battery 1	Sample 1	19.93	20.80	1.222	62.9	1.006	-0.15	0.748	0.920
	LTE Band 41	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	39750	2506	Battery 1	Sample 1	19.65	20.80	1.303	62.9	1.006	0.09	0.687	0.901
	LTE Band 41	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	40185	2549.5	Battery 1	Sample 1	19.88	20.80	1.236	62.9	1.006	-0.01	0.767	0.954
	LTE Band 41	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	41055	2636.5	Battery 1	Sample 1	19.76	20.80	1.271	62.9	1.006	0.12	0.544	0.696
	LTE Band 41	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	41490	2680	Battery 1	Sample 1	19.89	20.80	1.233	62.9	1.006	-0.10	0.483	0.599
	LTE Band 41	20M	QPSK	50	0	Back with Clip	0mm	Ant 5	DSI 1	40620	2593	Battery 1	Sample 1	19.83	20.80	1.25	62.9	1.006	0.15	0.716	0.900
	LTE Band 41	20M	QPSK	50	0	Back with Clip	0mm	Ant 5	DSI 1	39750	2506	Battery 1	Sample 1	19.50	20.80	1.349	62.9	1.006	-0.12	0.653	0.886
	LTE Band 41	20M	QPSK	50	0	Back with Clip	0mm	Ant 5	DSI 1	40185	2549.5	Battery 1	Sample 1	19.68	20.80	1.294	62.9	1.006	0.09	0.718	0.935
	LTE Band 41	20M	QPSK	50	0	Back with Clip	0mm	Ant 5	DSI 1	41055	2636.5	Battery 1	Sample 1	19.65	20.80	1.303	62.9	1.006	-0.16	0.524	0.687
	LTE Band 41	20M	QPSK	50	0	Back with Clip	0mm	Ant 5	DSI 1	41490	2680	Battery 1	Sample 1	19.70	20.80	1.288	62.9	1.006	-0.02	0.449	0.582
	LTE Band 41	20M	QPSK	100	0	Back with Clip	0mm														



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	LTE Band 41 HPUE	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	41490	2680	Battery 1	Sample 1	21.70	22.40	1.175	42.9	1.009	-0.17	0.469	0.556
	LTE Band 41	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	40185	2549.5	Battery 1	Sample 3	19.88	20.80	1.236	62.9	1.006	-0.02	0.812	1.010
	LTE Band 41	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	39750	2506	Battery 1	Sample 3	19.65	20.80	1.303	62.9	1.006	0.05	0.717	0.940
	LTE Band 41	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	40620	2593	Battery 1	Sample 3	19.93	20.80	1.222	62.9	1.006	-0.04	0.796	0.979
	LTE Band 41	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	41055	2636.5	Battery 1	Sample 3	19.76	20.80	1.271	62.9	1.006	0.06	0.593	0.758
	LTE Band 41	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	41490	2680	Battery 1	Sample 3	19.89	20.80	1.233	62.9	1.006	0.09	0.501	0.621
	LTE Band 41	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	40185	2549.5	Battery 1	Sample 5	19.88	20.80	1.236	62.9	1.006	-0.01	0.929	1.155
	LTE Band 41	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	39750	2506	Battery 1	Sample 5	19.65	20.80	1.303	62.9	1.006	-0.11	0.802	1.051
	LTE Band 41	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	40620	2593	Battery 1	Sample 5	19.93	20.80	1.222	62.9	1.006	0.00	0.833	1.024
	LTE Band 41	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	41055	2636.5	Battery 1	Sample 5	19.76	20.80	1.271	62.9	1.006	-0.00	0.678	0.867
	LTE Band 41	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	41490	2680	Battery 1	Sample 5	19.89	20.80	1.233	62.9	1.006	0.06	0.552	0.685
	LTE Band 41 HPUE	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	40620	2593	Battery 1	Sample 5	21.86	22.40	1.132	42.9	1.009	-0.04	0.822	0.939
	LTE Band 41 HPUE	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	39750	2506	Battery 1	Sample 5	21.64	22.40	1.191	42.9	1.009	-0.08	0.772	0.928
	LTE Band 41 HPUE	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	40185	2549.5	Battery 1	Sample 5	21.79	22.40	1.151	42.9	1.009	0.16	0.903	1.049
	LTE Band 41 HPUE	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	41055	2636.5	Battery 1	Sample 5	21.59	22.40	1.205	42.9	1.009	0.03	0.638	0.776
	LTE Band 41 HPUE	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	41490	2680	Battery 1	Sample 5	21.70	22.40	1.175	42.9	1.009	-0.17	0.534	0.633
	LTE Band 41	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	40185	2549.5	Battery 1	Sample 6	19.88	20.80	1.236	62.9	1.006	0.13	0.853	1.061
	LTE Band 41	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	39750	2506	Battery 1	Sample 6	19.65	20.80	1.303	62.9	1.006	0.02	0.801	1.050
	LTE Band 41	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	40620	2593	Battery 1	Sample 6	19.93	20.80	1.222	62.9	1.006	-0.05	0.732	0.900
	LTE Band 41	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	41055	2636.5	Battery 1	Sample 6	19.76	20.80	1.271	62.9	1.006	-0.04	0.761	0.973
	LTE Band 41	20M	QPSK	1	0	Back with Clip	0mm	Ant 5	DSI 1	41490	2680	Battery 1	Sample 6	19.89	20.80	1.233	62.9	1.006	0.18	0.811	1.006
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 5	DSI 1	40185	2549.5	Battery 1	Sample 10	19.88	20.80	1.236	62.9	1.006	-0.09	0.465	0.578
	LTE Band 41	20M	QPSK	1	0	Back with Clip	5mm	Ant 5	DSI 1	40185	2549.5	Battery 2	Sample 5	19.88	20.80	1.236	62.9	1.006	0.09	0.917	1.140
	LTE Band 48	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 1	55340	3560	Battery 1	Sample 1	18.05	19.20	1.303	62.9	1.006	0.05	0.180	0.236
	LTE Band 48	20M	QPSK	50	0	Front	5mm	Ant 8	DSI 1	55340	3560	Battery 1	Sample 1	17.14	18.20	1.276	62.9	1.006	0.09	0.144	0.185
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	55340	3560	Battery 1	Sample 1	18.05	19.20	1.303	62.9	1.006	0.03	0.872	1.143
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	55830	3609	Battery 1	Sample 1	17.72	19.20	1.406	62.9	1.006	-0.01	0.745	1.054
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	55990	3625	Battery 1	Sample 1	17.65	19.20	1.429	62.9	1.006	-0.06	0.681	0.979
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	56150	3641	Battery 1	Sample 1	17.52	19.20	1.472	62.9	1.006	0.07	0.634	0.939
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	56640	3690	Battery 1	Sample 1	17.85	19.20	1.365	62.9	1.006	-0.10	0.512	0.703
	LTE Band 48	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 1	55340	3560	Battery 1	Sample 1	17.14	18.20	1.276	62.9	1.006	-0.11	0.695	0.892
	LTE Band 48	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 1	55830	3609	Battery 1	Sample 1	16.80	18.20	1.38	62.9	1.006	0.03	0.593	0.823
	LTE Band 48	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 1	55990	3625	Battery 1	Sample 1	16.66	18.20	1.426	62.9	1.006	-0.07	0.533	0.765
	LTE Band 48	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 1	56150	3641	Battery 1	Sample 1	16.61	18.20	1.442	62.9	1.006	-0.09	0.506	0.734
	LTE Band 48	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 1	56640	3690	Battery 1	Sample 1	17.09	18.20	1.291	62.9	1.006	-0.00	0.422	0.548
	LTE Band 48	20M	QPSK	100	0	Back	5mm	Ant 8	DSI 1	55340	3560	Battery 1	Sample 1	17.07	18.20	1.297	62.9	1.006	-0.16	0.681	0.889
	LTE Band 48	20M	QPSK	1	0	Back with Holster	0mm	Ant 8	DSI 1	55340	3560	Battery 1	Sample 1	18.05	19.20	1.303	62.9	1.006	0.09	0.166	0.218
	LTE Band 48	20M	QPSK	50	0	Back with Holster	0mm	Ant 8	DSI 1	55340	3560	Battery 1	Sample 1	17.14	18.20	1.276	62.9	1.006	-0.11	0.132	0.169
	LTE Band 48	20M	QPSK	1	0	Back with Clip	0mm	Ant 8	DSI 1	55340	3560	Battery 1	Sample 1	18.05	19.20	1.303	62.9	1.006	-0.01	0.203	0.266
	LTE Band 48	20M	QPSK	50	0	Back with Clip	0mm	Ant 8	DSI 1	55340	3560	Battery 1	Sample 1	17.14	18.20	1.276	62.9	1.006	0.09	0.162	0.208
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	55340	3560	Battery 1	Sample 3	18.05	19.20	1.303	62.9	1.006	0.04	0.711	0.932
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	55830	3609	Battery 1	Sample 3	17.72	19.20	1.406	62.9	1.006	0.09	0.649	0.918
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	55990	3625	Battery 1	Sample 3	17.65	19.20	1.429	62.9	1.006	-0.04	0.533	0.766
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	56150	3641	Battery 1	Sample 3	17.52	19.20	1.472	62.9	1.006	0.05	0.527	0.780
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	56640	3690	Battery 1	Sample 3	17.85	19.20	1.365	62.9	1.006	0.11	0.481	0.661
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	55340	3560	Battery 1	Sample 5	18.05	19.20	1.303	62.9	1.006	-0.11	0.675	0.885
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	55830	3609	Battery 1	Sample 5	17.72	19.20	1.406	62.9	1.006	0.17	0.623	0.881
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	55990	3625	Battery 1	Sample 5	17.65	19.20	1.429	62.9	1.006	-0.19	0.535	0.769
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	56150	3641	Battery 1	Sample 5	17.52	19.20	1.472	62.9	1.006	0.03	0.528	0.782
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	56640	3690	Battery 1	Sample 5	17.85	19.20	1.365	62.9	1.006	0.05	0.476	0.654
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	55340	3560	Battery 1	Sample 6	18.05	19.20	1.303	62.9	1.006	0.15	0.709	0.929
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	55830	3609	Battery 1	Sample 6	17.72	19.20	1.406	62.9	1.006	0.06	0.643	0.909
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	55990	3625	Battery 1	Sample 6	17.65	19.20	1.429	62.9	1.006	-0.05	0.529	0.760
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	56150	3641	Battery 1	Sample 6	17.52	19.20	1.472	62.9	1.006	-0.08	0.518	0.767
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	56640	3690	Battery 1	Sample 6	17.85	19.20	1.365	62.9	1.006	-0.00	0.500	0.687
	LTE Band 48	20M	QPSK	1	0	Back_Slant	5mm	Ant 8	DSI 1	55340	3560	Battery 1	Sample 10	18.05	19.20	1.303	62.9	1.006	0.09	0.615	0.806
	LTE Band 48	20M	QPSK	1	0	Back_Slant	5mm	Ant 8	DSI 1	55830	3609	Battery 1	Sample 10	17.72	19.20	1.406	62.9	1.006	0.00	0.555	0.785
	LTE Band 48	20M	QPSK	1	0	Back_Slant	5mm	Ant 8	DSI 1	55990	3625	Battery 1	Sample 10	17.65	19.20	1.429	62.9	1.006	0.13	0.486	0.699
	LTE Band 48	20M	QPSK	1	0	Back_Slant	5mm	Ant 8	DSI 1	56150	3641	Battery 1	Sample 10	17.52	19.20	1.472	62.9	1.006	-0.16	0.478	0.708
	LTE Band 48	20M	QPSK	1	0	Back_Slant	5mm	Ant 8	DSI 1	56640	3690	Battery 1	Sample 10	17.85	19.20	1.365	62.9	1.006	-0.07	0.426	0.585
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 1	55340	3560	Battery 2	Sample 1	18.05	19.20	1.303	62.9	1.006	0.02	0.853	1.118
	LTE Band 48	20M	QPSK	1	0	Front	5mm	Ant 9	DSI 1	56640	3690	Battery 1	Sample 1	22.63	23.40	1.194	62.9	1.006	0.02	0.557	0.669
	LTE Band 48	20M	QPSK	1	0	Front	5mm	Ant 9	DSI 1	55340	3560	Battery 1	Sample 1	22.50	23.40	1.23	62.9	1.006	0.07	0.604	0.747
	LTE Band 48	20M	QPSK	1	0	Front	5mm	Ant 9	DSI 1	55830	3609	Battery 1	Sample 1	22.26	23.40	1.3	62.9	1.006	-0.07	0.608	0.795
	LTE Band 48	20M	QPSK	1																	



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	LTE Band 48	20M	QPSK	50	0	Front	5mm	Ant 9	DSI 1	56150	3641	Battery 1	Sample 1	22.31	23.40	1.285	62.9	1.006	0.13	0.629	0.813
	LTE Band 48	20M	QPSK	100	0	Front	5mm	Ant 9	DSI 1	56640	3690	Battery 1	Sample 1	22.45	23.40	1.245	62.9	1.006	0.12	0.525	0.658
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	56640	3690	Battery 1	Sample 1	22.63	23.40	1.194	62.9	1.006	0.05	0.857	1.029
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	55340	3560	Battery 1	Sample 1	22.50	23.40	1.23	62.9	1.006	0.12	0.739	0.914
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	55830	3609	Battery 1	Sample 1	22.26	23.40	1.3	62.9	1.006	-0.15	0.867	1.134
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	55990	3625	Battery 1	Sample 1	22.28	23.40	1.294	62.9	1.006	0.14	0.808	1.052
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	56150	3641	Battery 1	Sample 1	22.34	23.40	1.276	62.9	1.006	-0.13	0.798	1.024
	LTE Band 48	20M	QPSK	50	0	Back	5mm	Ant 9	DSI 1	56640	3690	Battery 1	Sample 1	22.58	23.40	1.208	62.9	1.006	-0.13	0.836	1.016
	LTE Band 48	20M	QPSK	50	0	Back	5mm	Ant 9	DSI 1	55340	3560	Battery 1	Sample 1	22.48	23.40	1.236	62.9	1.006	0.05	0.715	0.889
	LTE Band 48	20M	QPSK	50	0	Back	5mm	Ant 9	DSI 1	55830	3609	Battery 1	Sample 1	22.23	23.40	1.309	62.9	1.006	0.00	0.842	1.109
	LTE Band 48	20M	QPSK	50	0	Back	5mm	Ant 9	DSI 1	55990	3625	Battery 1	Sample 1	22.25	23.40	1.303	62.9	1.006	-0.06	0.788	1.033
	LTE Band 48	20M	QPSK	50	0	Back	5mm	Ant 9	DSI 1	56150	3641	Battery 1	Sample 1	22.31	23.40	1.285	62.9	1.006	-0.03	0.768	0.993
	LTE Band 48	20M	QPSK	100	0	Back	5mm	Ant 9	DSI 1	56640	3690	Battery 1	Sample 1	22.45	23.40	1.245	62.9	1.006	0.05	0.806	1.009
	LTE Band 48	20M	QPSK	1	0	Back with Holster	0mm	Ant 9	DSI 1	56640	3690	Battery 1	Sample 1	22.63	23.40	1.194	62.9	1.006	-0.19	0.221	0.265
	LTE Band 48	20M	QPSK	50	0	Back with Holster	0mm	Ant 9	DSI 1	56640	3690	Battery 1	Sample 1	22.58	23.40	1.208	62.9	1.006	-0.02	0.213	0.259
	LTE Band 48	20M	QPSK	1	0	Back with Clip	0mm	Ant 9	DSI 1	56640	3690	Battery 1	Sample 1	22.63	23.40	1.194	62.9	1.006	0.05	0.288	0.346
	LTE Band 48	20M	QPSK	50	0	Back with Clip	0mm	Ant 9	DSI 1	56640	3690	Battery 1	Sample 1	22.58	23.40	1.208	62.9	1.006	0.11	0.278	0.338
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	55830	3609	Battery 1	Sample 3	22.26	23.40	1.3	62.9	1.006	-0.14	0.782	1.023
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	55340	3560	Battery 1	Sample 3	22.50	23.40	1.23	62.9	1.006	0.07	0.662	0.819
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	55990	3625	Battery 1	Sample 3	22.28	23.40	1.294	62.9	1.006	-0.13	0.743	0.967
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	56150	3641	Battery 1	Sample 3	22.34	23.40	1.276	62.9	1.006	-0.15	0.719	0.923
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	56640	3690	Battery 1	Sample 3	22.63	23.40	1.194	62.9	1.006	0.02	0.758	0.910
91	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	55830	3609	Battery 1	Sample 5	22.26	23.40	1.3	62.9	1.006	-0.06	0.912	1.193
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	55340	3560	Battery 1	Sample 5	22.50	23.40	1.23	62.9	1.006	0.09	0.804	0.995
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	55990	3625	Battery 1	Sample 5	22.28	23.40	1.294	62.9	1.006	-0.04	0.813	1.058
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	56150	3641	Battery 1	Sample 5	22.34	23.40	1.276	62.9	1.006	0.00	0.889	1.141
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	56640	3690	Battery 1	Sample 5	22.63	23.40	1.194	62.9	1.006	0.06	0.900	1.081
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	55830	3609	Battery 1	Sample 6	22.26	23.40	1.3	62.9	1.006	-0.18	0.842	1.101
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	55340	3560	Battery 1	Sample 6	22.50	23.40	1.23	62.9	1.006	-0.05	0.820	1.015
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	55990	3625	Battery 1	Sample 6	22.28	23.40	1.294	62.9	1.006	0.04	0.833	1.084
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	56150	3641	Battery 1	Sample 6	22.34	23.40	1.276	62.9	1.006	0.02	0.798	1.024
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	56640	3690	Battery 1	Sample 6	22.63	23.40	1.194	62.9	1.006	-0.01	0.835	1.003
	LTE Band 48	20M	QPSK	1	0	Back_Slant	5mm	Ant 9	DSI 1	55830	3609	Battery 1	Sample 10	22.26	23.40	1.3	62.9	1.006	0.05	0.881	1.152
	LTE Band 48	20M	QPSK	1	0	Back_Slant	5mm	Ant 9	DSI 1	55340	3560	Battery 1	Sample 10	22.50	23.40	1.23	62.9	1.006	-0.13	0.826	1.022
	LTE Band 48	20M	QPSK	1	0	Back_Slant	5mm	Ant 9	DSI 1	55990	3625	Battery 1	Sample 10	22.28	23.40	1.294	62.9	1.006	-0.07	0.813	1.058
	LTE Band 48	20M	QPSK	1	0	Back_Slant	5mm	Ant 9	DSI 1	56150	3641	Battery 1	Sample 10	22.34	23.40	1.276	62.9	1.006	0.17	0.756	0.970
	LTE Band 48	20M	QPSK	1	0	Back_Slant	5mm	Ant 9	DSI 1	56640	3690	Battery 1	Sample 10	22.63	23.40	1.194	62.9	1.006	0.12	0.732	0.879
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 9	DSI 1	55830	3609	Battery 2	Sample 5	22.26	23.40	1.3	62.9	1.006	0.03	0.901	1.178

【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 n7	50M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	507000	2535	Battery 1	Sample 1	21.20	22.30	1.288	-0.13	0.474	0.611
	FR1 n7	50M	BPSK	135	68	Front	5mm	Ant 8	DSI 1	507000	2535	Battery 1	Sample 1	21.19	22.30	1.291	0.18	0.460	0.594
	FR1 n7	50M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	507000	2535	Battery 1	Sample 1	21.20	22.30	1.288	-0.11	0.741	0.954
	FR1 n7	50M	BPSK	135	68	Back	5mm	Ant 8	DSI 1	507000	2535	Battery 1	Sample 1	21.19	22.30	1.291	-0.06	0.719	0.928
	FR1 n7	50M	BPSK	270	0	Back	5mm	Ant 8	DSI 1	507000	2535	Battery 1	Sample 1	21.18	22.30	1.294	0.00	0.715	0.925
	FR1 n7	50M	BPSK	1	1	Back with Holster	0mm	Ant 8	DSI 1	507000	2535	Battery 1	Sample 1	21.20	22.30	1.288	-0.01	0.071	0.091
	FR1 n7	50M	BPSK	135	68	Back with Holster	0mm	Ant 8	DSI 1	507000	2535	Battery 1	Sample 1	21.19	22.30	1.291	-0.09	0.067	0.086
	FR1 n7	50M	BPSK	1	1	Back with Clip	0mm	Ant 8	DSI 1	507000	2535	Battery 1	Sample 1	21.20	22.30	1.288	-0.00	0.240	0.309
	FR1 n7	50M	BPSK	135	68	Back with Clip	0mm	Ant 8	DSI 1	507000	2535	Battery 1	Sample 1	21.19	22.30	1.291	0.14	0.231	0.298
	FR1 n7	50M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	507000	2535	Battery 1	Sample 3	21.20	22.30	1.288	0.12	0.683	0.880
	FR1 n7	50M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	507000	2535	Battery 1	Sample 5	21.20	22.30	1.288	0.02	0.895	1.153
	FR1 n7	50M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	507000	2535	Battery 1	Sample 6	21.20	22.30	1.288	0.02	0.847	1.091
	FR1 n7	50M	BPSK	1	1	Back_Slant	5mm	Ant 8	DSI 1	507000	2535	Battery 1	Sample 10	21.20	22.30	1.288	0.13	0.693	0.893
	FR1 n7	50M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	507000	2535	Battery 2	Sample 5	21.20	22.30	1.288	0.08	0.877	1.130
	FR1 n7	50M	BPSK	1	1	Front	5mm	Ant 5	DSI 1	507000	2535	Battery 1	Sample 1	18.35	18.80	1.109	-0.05	0.175	0.194
	FR1 n7	50M	BPSK	135	68	Front	5mm	Ant 5	DSI 1	507000	2535	Battery 1	Sample 1	18.29	18.80	1.125	-0.01	0.167	0.188
	FR1 n7	50M	BPSK	1	1	Back	5mm	Ant 5	DSI 1	507000	2535	Battery 1	Sample 1	18.35	18.80	1.109	-0.07	0.611	0.678
	FR1 n7	50M	BPSK	135	68	Back	5mm	Ant 5	DSI 1	507000	2535	Battery 1	Sample 1	18.29	18.80	1.125	0.11	0.586	0.659
	FR1 n7	50M	BPSK	1	1	Back with Holster	0mm	Ant 5	DSI 1	507000	2535	Battery 1	Sample 1	18.35	18.80	1.109	-0.16	0.142	0.157
	FR1 n7	50M	BPSK	135	68	Back with Holster	0mm	Ant 5	DSI 1	507000	2535	Battery 1	Sample 1	18.29	18.80	1.125	0.08	0.132	0.149
	FR1 n7	50M	BPSK	1	1	Back with Clip	0mm	Ant 5	DSI 1	507000	2535	Battery 1	Sample 1	18.35	18.80	1.109	-0.14	0.824	0.914
	FR1 n7	50M	BPSK	135	68	Back with Clip	0mm	Ant 5	DSI 1	507000	2535	Battery 1	Sample 1	18.29	18.80	1.125	0.03	0.791	0.890
	FR1 n7	50M	BPSK	270	0	Back with Clip	0mm	Ant 5	DSI 1	507000	2535	Battery 1	Sample 1	18.02	18.80	1.197	0.06	0.743	0.889
	FR1 n7	50M	BPSK	1	1	Back with Clip	0mm	Ant 5	DSI 1	507000	2535	Battery 1	Sample 3	18.35	18.80	1.109	0.14	0.946	1.049
92	FR1 n7	50M	BPSK	1	1	Back with Clip	0mm	Ant 5	DSI 1	507000	2535	Battery 1	Sample 5	18.35	18.80	1.109	-0.01	1.070	1.187
	FR1 n7	50M	BPSK	1	1	Back with Clip	0mm	Ant 5	DSI 1	507000	2535	Battery 1	Sample 6	18.35	18.80	1.109	-0.12	0.995	1.103
	FR1 n7	50M	BPSK	1	1	Back	5mm	Ant 5	DSI 1	507000	2535	Battery 1	Sample 10	18.35	18.80	1.109	0.13	0.497	0.551
	FR1 n7	50M	BPSK	1	1	Back with Clip	5mm	Ant 5	DSI 1	507000	2535	Battery 2	Sample 5	18.35	18.80	1.109	-0.17	1.010	1.120



FCC SAR TEST REPORT

Report No. : FA5N0611-01B

	FR1 n12	15M	BPSK	36	22	Back	5mm	Ant 8	DSI 1	141500	707.5	Battery 1	Sample 1	23.80	25.00	1.318	-0.04	0.445	0.587
	FR1 n12	15M	BPSK	1	1	Back with Holster	0mm	Ant 8	DSI 1	141500	707.5	Battery 1	Sample 1	24.00	25.00	1.259	0.08	0.103	0.130
	FR1 n12	15M	BPSK	36	22	Back with Holster	0mm	Ant 8	DSI 1	141500	707.5	Battery 1	Sample 1	23.80	25.00	1.318	0.04	0.094	0.124
	FR1 n12	15M	BPSK	1	1	Back with Clip	0mm	Ant 8	DSI 1	141500	707.5	Battery 1	Sample 1	24.00	25.00	1.259	0.14	0.116	0.146
	FR1 n12	15M	BPSK	36	22	Back with Clip	0mm	Ant 8	DSI 1	141500	707.5	Battery 1	Sample 1	23.80	25.00	1.318	0.12	0.107	0.141
93	FR1 n12	15M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	141500	707.5	Battery 1	Sample 3	24.00	25.00	1.259	0.07	0.558	0.703
	FR1 n12	15M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	141500	707.5	Battery 1	Sample 5	24.00	25.00	1.259	0.14	0.475	0.598
	FR1 n12	15M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	141500	707.5	Battery 1	Sample 6	24.00	25.00	1.259	-0.13	0.399	0.502
	FR1 n12	15M	BPSK	1	1	Back_Slant	5mm	Ant 8	DSI 1	141500	707.5	Battery 1	Sample 10	24.00	25.00	1.259	0.15	0.469	0.590
	FR1 n12	15M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	141500	707.5	Battery 2	Sample 3	24.00	25.00	1.259	0.03	0.533	0.671
	FR1 n13	10M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	156400	782	Battery 1	Sample 1	23.26	24.50	1.33	0.12	0.217	0.289
	FR1 n13	10M	BPSK	25	14	Front	5mm	Ant 8	DSI 1	156400	782	Battery 1	Sample 1	23.23	24.50	1.34	0.17	0.209	0.280
	FR1 n13	10M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	156400	782	Battery 1	Sample 1	23.26	24.50	1.33	-0.17	0.504	0.670
	FR1 n13	10M	BPSK	25	14	Back	5mm	Ant 8	DSI 1	156400	782	Battery 1	Sample 1	23.23	24.50	1.34	-0.12	0.487	0.653
	FR1 n13	10M	BPSK	1	1	Back with Holster	0mm	Ant 8	DSI 1	156400	782	Battery 1	Sample 1	23.26	24.50	1.33	-0.09	0.065	0.086
	FR1 n13	10M	BPSK	25	14	Back with Holster	0mm	Ant 8	DSI 1	156400	782	Battery 1	Sample 1	23.23	24.50	1.34	-0.10	0.061	0.082
	FR1 n13	10M	BPSK	1	1	Back with Clip	0mm	Ant 8	DSI 1	156400	782	Battery 1	Sample 1	23.26	24.50	1.33	-0.04	0.123	0.164
	FR1 n13	10M	BPSK	25	14	Back with Clip	0mm	Ant 8	DSI 1	156400	782	Battery 1	Sample 1	23.23	24.50	1.34	-0.06	0.116	0.155
94	FR1 n13	10M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	156400	782	Battery 1	Sample 3	23.26	24.50	1.33	-0.02	0.632	0.841
	FR1 n13	10M	BPSK	25	14	Back	5mm	Ant 8	DSI 1	156400	782	Battery 1	Sample 3	23.23	24.50	1.34	0.06	0.605	0.811
	FR1 n13	10M	BPSK	50	0	Back	5mm	Ant 8	DSI 1	156400	782	Battery 1	Sample 3	22.83	24.00	1.309	0.01	0.557	0.729
	FR1 n13	10M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	156400	782	Battery 1	Sample 5	23.26	24.50	1.33	-0.09	0.482	0.641
	FR1 n13	10M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	156400	782	Battery 1	Sample 6	23.26	24.50	1.33	0.18	0.469	0.624
	FR1 n13	10M	BPSK	1	1	Back_Slant	5mm	Ant 8	DSI 1	156400	782	Battery 1	Sample 10	23.26	24.50	1.33	-0.15	0.429	0.571
	FR1 n13	10M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	156400	782	Battery 2	Sample 3	23.26	24.50	1.33	0.07	0.618	0.822
	FR1 n14	10M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	158600	793	Battery 1	Sample 1	23.23	24.50	1.34	-0.14	0.268	0.359
	FR1 n14	10M	BPSK	25	14	Front	5mm	Ant 8	DSI 1	158600	793	Battery 1	Sample 1	23.08	24.50	1.387	-0.18	0.252	0.350
	FR1 n14	10M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	158600	793	Battery 1	Sample 1	23.23	24.50	1.34	-0.08	0.617	0.827
	FR1 n14	10M	BPSK	25	14	Back	5mm	Ant 8	DSI 1	158600	793	Battery 1	Sample 1	23.08	24.50	1.387	-0.09	0.579	0.803
	FR1 n14	10M	BPSK	50	0	Back	5mm	Ant 8	DSI 1	158600	793	Battery 1	Sample 1	22.63	24.00	1.371	-0.10	0.523	0.717
	FR1 n14	10M	BPSK	1	1	Back with Holster	0mm	Ant 8	DSI 1	158600	793	Battery 1	Sample 1	23.23	24.50	1.34	-0.11	0.074	0.099
	FR1 n14	10M	BPSK	25	14	Back with Holster	0mm	Ant 8	DSI 1	158600	793	Battery 1	Sample 1	23.08	24.50	1.387	0.07	0.067	0.093
	FR1 n14	10M	BPSK	1	1	Back with Clip	0mm	Ant 8	DSI 1	158600	793	Battery 1	Sample 1	23.23	24.50	1.34	-0.16	0.133	0.178
	FR1 n14	10M	BPSK	25	14	Back with Clip	0mm	Ant 8	DSI 1	158600	793	Battery 1	Sample 1	23.08	24.50	1.387	0.11	0.125	0.173
95	FR1 n14	10M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	158600	793	Battery 1	Sample 3	23.23	24.50	1.34	0.03	0.701	0.939
	FR1 n14	10M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	158600	793	Battery 1	Sample 5	23.23	24.50	1.34	-0.01	0.622	0.833
	FR1 n14	10M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	158600	793	Battery 1	Sample 6	23.23	24.50	1.34	-0.02	0.514	0.689
	FR1 n14	10M	BPSK	1	1	Back_Slant	5mm	Ant 8	DSI 1	158600	793	Battery 1	Sample 10	23.23	24.50	1.34	0.01	0.535	0.717
	FR1 n14	10M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	158600	793	Battery 2	Sample 3	23.23	24.50	1.34	0.07	0.676	0.906
	FR1 n25	40M	BPSK	1	1	Front	5mm	Ant 1	DSI 1	376500	1882.5	Battery 1	Sample 1	24.17	25.00	1.211	-0.07	0.317	0.384
	FR1 n25	40M	BPSK	108	54	Front	5mm	Ant 1	DSI 1	376500	1882.5	Battery 1	Sample 1	24.12	25.00	1.225	0.09	0.304	0.372
	FR1 n25	40M	BPSK	1	1	Back	5mm	Ant 1	DSI 1	376500	1882.5	Battery 1	Sample 1	24.17	25.00	1.211	0.09	0.663	0.803
	FR1 n25	40M	BPSK	108	54	Back	5mm	Ant 1	DSI 1	376500	1882.5	Battery 1	Sample 1	24.12	25.00	1.225	0.12	0.631	0.773
	FR1 n25	40M	BPSK	216	0	Back	5mm	Ant 1	DSI 1	376500	1882.5	Battery 1	Sample 1	23.40	24.50	1.288	-0.08	0.539	0.694
	FR1 n25	40M	BPSK	1	1	Back with Holster	0mm	Ant 1	DSI 1	376500	1882.5	Battery 1	Sample 1	24.17	25.00	1.211	-0.01	0.203	0.246
	FR1 n25	40M	BPSK	108	54	Back with Holster	0mm	Ant 1	DSI 1	376500	1882.5	Battery 1	Sample 1	24.12	25.00	1.225	0.17	0.195	0.239
	FR1 n25	40M	BPSK	1	1	Back with Clip	0mm	Ant 1	DSI 1	376500	1882.5	Battery 1	Sample 1	24.17	25.00	1.211	0.16	0.327	0.396
	FR1 n25	40M	BPSK	108	54	Back with Clip	0mm	Ant 1	DSI 1	376500	1882.5	Battery 1	Sample 1	24.12	25.00	1.225	0.07	0.318	0.390
	FR1 n25	40M	BPSK	1	1	Back	5mm	Ant 1	DSI 1	376500	1882.5	Battery 1	Sample 3	24.17	25.00	1.211	0.02	0.796	0.964
	FR1 n25	40M	BPSK	1	1	Back	5mm	Ant 1	DSI 1	376500	1882.5	Battery 1	Sample 5	24.17	25.00	1.211	-0.05	0.754	0.913
	FR1 n25	40M	BPSK	1	1	Back	5mm	Ant 1	DSI 1	376500	1882.5	Battery 1	Sample 6	24.17	25.00	1.211	-0.05	0.707	0.856
	FR1 n25	40M	BPSK	1	1	Back_Slant	5mm	Ant 1	DSI 1	376500	1882.5	Battery 1	Sample 10	24.17	25.00	1.211	-0.10	0.981	1.188
	FR1 n25	40M	BPSK	1	1	Back_Slant	5mm	Ant 1	DSI 1	376500	1882.5	Battery 2	Sample 10	24.17	25.00	1.211	0.07	0.968	1.172
	FR1 n25	40M	BPSK	1	1	Front	5mm	Ant 5	DSI 1	376500	1882.5	Battery 1	Sample 1	21.78	22.20	1.102	-0.14	0.351	0.387
	FR1 n25	40M	BPSK	108	54	Front	5mm	Ant 5	DSI 1	376500	1882.5	Battery 1	Sample 1	21.64	22.20	1.138	0.05	0.338	0.385
	FR1 n25	40M	BPSK	1	1	Back	5mm	Ant 5	DSI 1	376500	1882.5	Battery 1	Sample 1	21.78	22.20	1.102	0.12	0.590	0.650
	FR1 n25	40M	BPSK	108	54	Back	5mm	Ant 5	DSI 1	376500	1882.5	Battery 1	Sample 1	21.64	22.20	1.138	0.08	0.554	0.630
	FR1 n25	40M	BPSK	1	1	Back with Holster	0mm	Ant 5	DSI 1	376500	1882.5	Battery 1	Sample 1	21.78	22.20	1.102	0.10	0.198	0.218
	FR1 n25	40M	BPSK	108	54	Back with Holster	0mm	Ant 5	DSI 1	376500	1882.5	Battery 1	Sample 1	21.64	22.20	1.138	0.11	0.185	0.211
	FR1 n25	40M	BPSK	1	1	Back with Clip	0mm	Ant 5	DSI 1	376500	1882.5	Battery 1	Sample 1	21.78	22.20	1.102	-0.14	0.815	0.898
	FR1 n25	40M	BPSK	108	54	Back with Clip	0mm	Ant 5	DSI 1	376500	1882.5	Battery 1	Sample 1	21.64	22.20	1.138	0.11	0.766	0.872
	FR1 n25	40M	BPSK	216	0	Back with Clip	0mm	Ant 5	DSI 1	376500	1882.5	Battery 1	Sample 1	21.59	22.20	1.151	0.17	0.745	0.857
96	FR1 n25	40M	BPSK	1	1	Back with Clip	0mm	Ant 5	DSI 1	376500	1882.5	Battery 1	Sample 3	21.78	22.20	1.102	-0.04	1.080	1.190
	FR1 n25	40M	BPSK	1	1	Back with Clip	0mm	Ant 5	DSI 1	376500	1882.5	Battery 1	Sample 5	21.78	22.20	1.102	0.16	0.892	0.983
	FR1 n25	40M	BPSK	1	1	Back with Clip	0mm	Ant 5	DSI 1	376500	1882.5	Battery 1	Sample 6	21.78	22.20	1.102	-0.05	0.913	1.006
	FR1 n25	40M	BPSK	1	1	Back	5mm	Ant 5	DSI 1	376500	1882.5	Battery 1	Sample 10	21.78	22.20	1.102	0.11	0.576	0.635
	FR1 n25	40M	BPSK	1	1	Back with Clip	5mm	Ant 5	DSI 1	376500	1882.5	Battery 2	Sample 3	21.78	22.20	1.102	-0.19	1.030	1.135
	FR1 n26	20M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	166300	831.5	Battery 1	Sample 1	23.98	25.00	1.265	0.12	0.279	0.353
	FR1 n26	20M	BPSK	50	28	Front	5mm	Ant 8	DSI 1	166300	831.5	Battery 1	Sample 1	23.84	25.00	1.306	0.02	0.261	0.341
	FR1 n26	20M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	166300	831.5	Battery 1	Sample 1	23.98	25.00	1.265	-0.17	0.790	0.999
	FR1 n26	20M	BPSK	50	28	Back	5mm	Ant 8	DSI 1	166300	831.5	Battery 1	Sample 1	23.84	25.00	1.306	0.12	0.745	0.973



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	FR1 n26	20M	BPSK	50	28	Back with Holster	0mm	Ant 8	DSI 1	166300	831.5	Battery 1	Sample 1	23.84	25.00	1.306	-0.01	0.084	0.110
	FR1 n26	20M	BPSK	1	1	Back with Clip	0mm	Ant 8	DSI 1	166300	831.5	Battery 1	Sample 1	23.98	25.00	1.265	0.09	0.191	0.242
	FR1 n26	20M	BPSK	50	28	Back with Clip	0mm	Ant 8	DSI 1	166300	831.5	Battery 1	Sample 1	23.84	25.00	1.306	-0.19	0.176	0.230
	FR1 n26	20M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	166300	831.5	Battery 1	Sample 3	23.98	25.00	1.265	-0.13	0.783	0.990
	FR1 n26	20M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	166300	831.5	Battery 1	Sample 5	23.98	25.00	1.265	-0.15	0.744	0.941
	FR1 n26	20M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	166300	831.5	Battery 1	Sample 6	23.98	25.00	1.265	-0.04	0.737	0.932
97	FR1 n26	20M	BPSK	1	1	Back_Slant	5mm	Ant 8	DSI 1	166300	831.5	Battery 1	Sample 10	23.98	25.00	1.265	0.01	0.826	1.045
	FR1 n26	20M	BPSK	1	1	Back_Slant	5mm	Ant 8	DSI 1	166300	831.5	Battery 2	Sample 10	23.98	25.00	1.265	0.06	0.811	1.026
	FR1 n30	10M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	462000	2310	Battery 1	Sample 1	24.01	24.50	1.119	-0.13	0.346	0.387
	FR1 n30	10M	BPSK	25	14	Front	5mm	Ant 8	DSI 1	462000	2310	Battery 1	Sample 1	24.00	24.50	1.122	-0.07	0.336	0.377
	FR1 n30	10M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	462000	2310	Battery 1	Sample 1	24.01	24.50	1.119	0.00	0.855	0.957
	FR1 n30	10M	BPSK	25	14	Back	5mm	Ant 8	DSI 1	462000	2310	Battery 1	Sample 1	24.00	24.50	1.122	-0.04	0.832	0.934
	FR1 n30	10M	BPSK	50	0	Back	5mm	Ant 8	DSI 1	462000	2310	Battery 1	Sample 1	23.65	24.00	1.084	-0.13	0.768	0.833
	FR1 n30	10M	BPSK	1	1	Back with Holster	0mm	Ant 8	DSI 1	462000	2310	Battery 1	Sample 1	24.01	24.50	1.119	0.07	0.068	0.076
	FR1 n30	10M	BPSK	25	14	Back with Holster	0mm	Ant 8	DSI 1	462000	2310	Battery 1	Sample 1	24.00	24.50	1.122	-0.10	0.064	0.072
	FR1 n30	10M	BPSK	1	1	Back with Clip	0mm	Ant 8	DSI 1	462000	2310	Battery 1	Sample 1	24.01	24.50	1.119	0.17	0.274	0.307
	FR1 n30	10M	BPSK	25	14	Back with Clip	0mm	Ant 8	DSI 1	462000	2310	Battery 1	Sample 1	24.00	24.50	1.122	0.02	0.267	0.300
	FR1 n30	10M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	462000	2310	Battery 1	Sample 3	24.01	24.50	1.119	-0.00	0.835	0.934
	FR1 n30	10M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	462000	2310	Battery 1	Sample 5	24.01	24.50	1.119	0.15	0.823	0.921
	FR1 n30	10M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	462000	2310	Battery 1	Sample 6	24.01	24.50	1.119	-0.15	0.923	1.033
	FR1 n30	10M	BPSK	1	1	Back_Slant	5mm	Ant 8	DSI 1	462000	2310	Battery 1	Sample 10	24.01	24.50	1.119	-0.14	0.897	1.004
	FR1 n30	10M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	462000	2310	Battery 2	Sample 6	24.01	24.50	1.119	0.07	0.916	1.025
	FR1 n30	10M	BPSK	1	1	Front	5mm	Ant 5	DSI 1	462000	2310	Battery 1	Sample 1	19.54	20.50	1.247	-0.03	0.273	0.340
	FR1 n30	10M	BPSK	25	14	Front	5mm	Ant 5	DSI 1	462000	2310	Battery 1	Sample 1	19.50	20.50	1.259	0.11	0.262	0.330
	FR1 n30	10M	BPSK	1	1	Back	5mm	Ant 5	DSI 1	462000	2310	Battery 1	Sample 1	19.54	20.50	1.247	-0.18	0.505	0.630
	FR1 n30	10M	BPSK	25	14	Back	5mm	Ant 5	DSI 1	462000	2310	Battery 1	Sample 1	19.50	20.50	1.259	-0.07	0.489	0.616
	FR1 n30	10M	BPSK	1	1	Back with Holster	0mm	Ant 5	DSI 1	462000	2310	Battery 1	Sample 1	19.54	20.50	1.247	-0.04	0.128	0.160
	FR1 n30	10M	BPSK	25	14	Back with Holster	0mm	Ant 5	DSI 1	462000	2310	Battery 1	Sample 1	19.50	20.50	1.259	0.11	0.123	0.155
	FR1 n30	10M	BPSK	1	1	Back with Clip	0mm	Ant 5	DSI 1	462000	2310	Battery 1	Sample 1	19.54	20.50	1.247	0.15	0.751	0.936
	FR1 n30	10M	BPSK	25	14	Back with Clip	0mm	Ant 5	DSI 1	462000	2310	Battery 1	Sample 1	19.50	20.50	1.259	-0.13	0.725	0.913
	FR1 n30	10M	BPSK	50	0	Back with Clip	0mm	Ant 5	DSI 1	462000	2310	Battery 1	Sample 1	19.46	20.50	1.271	0.13	0.716	0.910
	FR1 n30	10M	BPSK	1	1	Back with Clip	0mm	Ant 5	DSI 1	462000	2310	Battery 1	Sample 3	19.54	20.50	1.247	-0.04	0.717	0.894
98	FR1 n30	10M	BPSK	1	1	Back with Clip	0mm	Ant 5	DSI 1	462000	2310	Battery 1	Sample 5	19.54	20.50	1.247	0.04	0.939	1.171
	FR1 n30	10M	BPSK	1	1	Back with Clip	0mm	Ant 5	DSI 1	462000	2310	Battery 1	Sample 6	19.54	20.50	1.247	-0.01	0.865	1.079
	FR1 n30	10M	BPSK	1	1	Back	5mm	Ant 5	DSI 1	462000	2310	Battery 1	Sample 10	19.54	20.50	1.247	0.12	0.397	0.495
	FR1 n30	10M	BPSK	1	1	Back with Clip	5mm	Ant 5	DSI 1	462000	2310	Battery 2	Sample 5	19.54	20.50	1.247	0.03	0.927	1.156
	FR1 n66	40M	BPSK	1	1	Front	5mm	Ant 1	DSI 1	349000	1745	Battery 1	Sample 1	21.70	22.10	1.096	0.13	0.139	0.152
	FR1 n66	40M	BPSK	108	54	Front	5mm	Ant 1	DSI 1	349000	1745	Battery 1	Sample 1	21.64	22.10	1.112	0.02	0.132	0.147
	FR1 n66	40M	BPSK	1	1	Back	5mm	Ant 1	DSI 1	349000	1745	Battery 1	Sample 1	21.70	22.10	1.096	-0.15	0.627	0.687
	FR1 n66	40M	BPSK	108	54	Back	5mm	Ant 1	DSI 1	349000	1745	Battery 1	Sample 1	21.64	22.10	1.112	0.01	0.605	0.673
	FR1 n66	40M	BPSK	1	1	Back with Holster	0mm	Ant 1	DSI 1	349000	1745	Battery 1	Sample 1	21.70	22.10	1.096	0.07	0.142	0.156
	FR1 n66	40M	BPSK	108	54	Back with Holster	0mm	Ant 1	DSI 1	349000	1745	Battery 1	Sample 1	21.64	22.10	1.112	0.15	0.136	0.151
	FR1 n66	40M	BPSK	1	1	Back with Clip	0mm	Ant 1	DSI 1	349000	1745	Battery 1	Sample 1	21.70	22.10	1.096	0.06	0.238	0.261
	FR1 n66	40M	BPSK	108	54	Back with Clip	0mm	Ant 1	DSI 1	349000	1745	Battery 1	Sample 1	21.64	22.10	1.112	0.01	0.228	0.254
	FR1 n66	40M	BPSK	1	1	Back	5mm	Ant 1	DSI 1	349000	1745	Battery 1	Sample 3	21.70	22.10	1.096	0.17	0.662	0.726
	FR1 n66	40M	BPSK	1	1	Back	5mm	Ant 1	DSI 1	349000	1745	Battery 1	Sample 5	21.70	22.10	1.096	0.10	0.572	0.627
	FR1 n66	40M	BPSK	1	1	Back	5mm	Ant 1	DSI 1	349000	1745	Battery 1	Sample 6	21.70	22.10	1.096	-0.12	0.786	0.861
	FR1 n66	40M	BPSK	1	1	Back_Slant	5mm	Ant 1	DSI 1	349000	1745	Battery 1	Sample 10	21.70	22.10	1.096	-0.00	1.040	1.140
	FR1 n66	40M	BPSK	108	54	Back_Slant	5mm	Ant 1	DSI 1	349000	1745	Battery 1	Sample 10	21.64	22.10	1.112	0.06	0.993	1.104
	FR1 n66	40M	BPSK	216	0	Back_Slant	5mm	Ant 1	DSI 1	349000	1745	Battery 1	Sample 10	21.57	22.10	1.13	-0.04	0.982	1.110
	FR1 n66	40M	BPSK	1	1	Back_Slant	5mm	Ant 1	DSI 1	349000	1745	Battery 2	Sample 10	21.70	22.10	1.096	0.06	1.010	1.107
	FR1 n66	40M	BPSK	1	1	Front	5mm	Ant 5	DSI 1	349000	1745	Battery 1	Sample 1	21.89	22.80	1.233	-0.15	0.313	0.386
	FR1 n66	40M	BPSK	108	54	Front	5mm	Ant 5	DSI 1	349000	1745	Battery 1	Sample 1	21.85	22.80	1.245	-0.11	0.298	0.371
	FR1 n66	40M	BPSK	1	1	Back	5mm	Ant 5	DSI 1	349000	1745	Battery 1	Sample 1	21.89	22.80	1.233	0.02	0.496	0.612
	FR1 n66	40M	BPSK	108	54	Back	5mm	Ant 5	DSI 1	349000	1745	Battery 1	Sample 1	21.85	22.80	1.245	0.01	0.475	0.591
	FR1 n66	40M	BPSK	1	1	Back with Holster	0mm	Ant 5	DSI 1	349000	1745	Battery 1	Sample 1	21.89	22.80	1.233	-0.08	0.138	0.170
	FR1 n66	40M	BPSK	108	54	Back with Holster	0mm	Ant 5	DSI 1	349000	1745	Battery 1	Sample 1	21.85	22.80	1.245	0.01	0.130	0.162
	FR1 n66	40M	BPSK	1	1	Back with Clip	0mm	Ant 5	DSI 1	349000	1745	Battery 1	Sample 1	21.89	22.80	1.233	0.18	0.736	0.907
	FR1 n66	40M	BPSK	108	54	Back with Clip	0mm	Ant 5	DSI 1	349000	1745	Battery 1	Sample 1	21.85	22.80	1.245	0.13	0.710	0.884
	FR1 n66	40M	BPSK	216	0	Back with Clip	0mm	Ant 5	DSI 1	349000	1745	Battery 1	Sample 1	21.83	22.80	1.25	-0.19	0.702	0.878
99	FR1 n66	40M	BPSK	1	1	Back with Clip	0mm	Ant 5	DSI 1	349000	1745	Battery 1	Sample 3	21.89	22.80	1.233	-0.07	0.965	1.190
	FR1 n66	40M	BPSK	1	1	Back with Clip	0mm	Ant 5	DSI 1	349000	1745	Battery 1	Sample 5	21.89	22.80	1.233	-0.01	0.937	1.155
	FR1 n66	40M	BPSK	1	1	Back with Clip	0mm	Ant 5	DSI 1	349000	1745	Battery 1	Sample 6	21.89	22.80	1.233	-0.01	0.854	1.053
	FR1 n66	40M	BPSK	1	1	Back	5mm	Ant 5	DSI 1	349000	1745	Battery 1	Sample 10	21.89	22.80	1.233	-0.05	0.860	1.060
	FR1 n66	40M	BPSK	1	1	Back with Clip	5mm	Ant 5	DSI 1	349000	1745	Battery 2	Sample 3	21.89	22.80	1.233	0.05	0.948	1.169
	FR1 n70	15M	BPSK	1	1	Front	5mm	Ant 1	DSI 1	340500	1702.5	Battery 1	Sample 1	24.23	25.00	1.194	-0.18	0.191	0.228
	FR1 n70	15M	BPSK	36	22	Front	5mm	Ant 1	DSI 1	340500	1702.5	Battery 1	Sample 1	24.21	25.00	1.199	0.10	0.184	0.221
	FR1 n70	15M	BPSK	1	1	Back	5mm	Ant 1	DSI 1	340500	1702.5	Battery 1	Sample 1	24.23	25.00	1.194	-0.02	0.757	0.904
	FR1 n70	15M	BPSK	36	22	Back	5mm	Ant 1	DSI 1	340500	1702.5	Battery 1	Sample 1	24.21	25.00	1.199	-0.13	0.732	0.878
	FR1 n70	15M	BPSK	75	0	Back	5mm	Ant 1	DSI 1	340500	1702.5	Battery 1	Sample 1	24.03	24.50	1.114	0.17	0.704	0.784
	FR1 n70	15M	BPSK	1	1	Back with Holster	0mm	Ant 1	DSI 1	340500	1702.5	Battery 1	Sample 1	24.23	25.00	1.194	-0.03	0.203	0



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	FR1 n70	15M	BPSK	36	22	Back with Clip	0mm	Ant 1	DSI 1	340500	1702.5	Battery 1	Sample 1	24.21	25.00	1.199	-0.13	0.298	0.357
	FR1 n70	15M	BPSK	1	1	Back	5mm	Ant 1	DSI 1	340500	1702.5	Battery 1	Sample 3	24.23	25.00	1.194	0.14	0.813	0.971
	FR1 n70	15M	BPSK	1	1	Back	5mm	Ant 1	DSI 1	340500	1702.5	Battery 1	Sample 5	24.23	25.00	1.194	-0.08	0.834	0.996
	FR1 n70	15M	BPSK	1	1	Back	5mm	Ant 1	DSI 1	340500	1702.5	Battery 1	Sample 6	24.23	25.00	1.194	0.01	0.940	1.122
	FR1 n70	15M	BPSK	1	1	Back_Slant	5mm	Ant 1	DSI 1	340500	1702.5	Battery 1	Sample 10	24.23	25.00	1.194	-0.01	0.226	0.270
	FR1 n70	15M	BPSK	1	1	Back	5mm	Ant 1	DSI 1	340500	1702.5	Battery 2	Sample 6	24.23	25.00	1.194	0.07	0.923	1.102
	FR1 n70	15M	BPSK	1	1	Front	5mm	Ant 5	DSI 1	340500	1702.5	Battery 1	Sample 1	23.92	25.00	1.282	-0.14	0.286	0.367
	FR1 n70	15M	BPSK	36	22	Front	5mm	Ant 5	DSI 1	340500	1702.5	Battery 1	Sample 1	23.90	25.00	1.288	0.16	0.276	0.355
	FR1 n70	15M	BPSK	1	1	Back	5mm	Ant 5	DSI 1	340500	1702.5	Battery 1	Sample 1	23.92	25.00	1.282	0.19	0.469	0.601
	FR1 n70	15M	BPSK	36	22	Back	5mm	Ant 5	DSI 1	340500	1702.5	Battery 1	Sample 1	23.90	25.00	1.288	0.15	0.451	0.581
	FR1 n70	15M	BPSK	1	1	Back with Holster	0mm	Ant 5	DSI 1	340500	1702.5	Battery 1	Sample 1	23.92	25.00	1.282	-0.02	0.097	0.124
	FR1 n70	15M	BPSK	36	22	Back with Holster	0mm	Ant 5	DSI 1	340500	1702.5	Battery 1	Sample 1	23.90	25.00	1.288	0.11	0.092	0.118
	FR1 n70	15M	BPSK	1	1	Back with Clip	0mm	Ant 5	DSI 1	340500	1702.5	Battery 1	Sample 1	23.92	25.00	1.282	0.16	0.668	0.856
	FR1 n70	15M	BPSK	36	22	Back with Clip	0mm	Ant 5	DSI 1	340500	1702.5	Battery 1	Sample 1	23.90	25.00	1.288	-0.09	0.647	0.833
	FR1 n70	15M	BPSK	75	0	Back with Clip	0mm	Ant 5	DSI 1	340500	1702.5	Battery 1	Sample 1	23.76	24.50	1.186	0.02	0.613	0.727
100	FR1 n70	15M	BPSK	1	1	Back with Clip	0mm	Ant 5	DSI 1	340500	1702.5	Battery 1	Sample 3	23.92	25.00	1.282	-0.07	0.894	1.146
	FR1 n70	15M	BPSK	1	1	Back with Clip	0mm	Ant 5	DSI 1	340500	1702.5	Battery 1	Sample 5	23.92	25.00	1.282	-0.14	0.677	0.868
	FR1 n70	15M	BPSK	1	1	Back with Clip	0mm	Ant 5	DSI 1	340500	1702.5	Battery 1	Sample 6	23.92	25.00	1.282	-0.02	0.680	0.872
	FR1 n70	15M	BPSK	1	1	Back	5mm	Ant 5	DSI 1	340500	1702.5	Battery 1	Sample 10	23.92	25.00	1.282	-0.11	0.660	0.846
	FR1 n70	15M	BPSK	1	1	Back with Clip	5mm	Ant 5	DSI 1	340500	1702.5	Battery 2	Sample 3	23.92	25.00	1.282	0.03	0.889	1.140
	FR1 n71	20M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	136100	680.5	Battery 1	Sample 1	24.31	25.00	1.172	-0.12	0.095	0.111
	FR1 n71	20M	BPSK	50	28	Front	5mm	Ant 8	DSI 1	136100	680.5	Battery 1	Sample 1	24.09	25.00	1.233	-0.18	0.087	0.107
101	FR1 n71	20M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	136100	680.5	Battery 1	Sample 1	24.31	25.00	1.172	0.03	0.276	0.323
	FR1 n71	20M	BPSK	50	28	Back	5mm	Ant 8	DSI 1	136100	680.5	Battery 1	Sample 1	24.09	25.00	1.233	0.05	0.256	0.316
	FR1 n71	20M	BPSK	1	1	Back with Holster	0mm	Ant 8	DSI 1	136100	680.5	Battery 1	Sample 1	24.31	25.00	1.172	-0.08	0.044	0.052
	FR1 n71	20M	BPSK	50	28	Back with Holster	0mm	Ant 8	DSI 1	136100	680.5	Battery 1	Sample 1	24.09	25.00	1.233	0.02	0.039	0.048
	FR1 n71	20M	BPSK	1	1	Back with Clip	0mm	Ant 8	DSI 1	136100	680.5	Battery 1	Sample 1	24.31	25.00	1.172	-0.03	0.062	0.073
	FR1 n71	20M	BPSK	50	28	Back with Clip	0mm	Ant 8	DSI 1	136100	680.5	Battery 1	Sample 1	24.09	25.00	1.233	0.15	0.057	0.070
	FR1 n71	20M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	136100	680.5	Battery 1	Sample 3	24.31	25.00	1.172	-0.14	0.219	0.257
	FR1 n71	20M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	136100	680.5	Battery 1	Sample 5	24.31	25.00	1.172	-0.14	0.236	0.277
	FR1 n71	20M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	136100	680.5	Battery 1	Sample 6	24.31	25.00	1.172	0.03	0.253	0.297
	FR1 n71	20M	BPSK	1	1	Back_Slant	5mm	Ant 8	DSI 1	136100	680.5	Battery 1	Sample 10	24.31	25.00	1.172	-0.18	0.269	0.315
	FR1 n71	20M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	136100	680.5	Battery 2	Sample 1	24.31	25.00	1.172	-0.13	0.258	0.302
	FR1 n41	100M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	518598	2592.99	Battery 1	Sample 1	20.86	21.70	1.213	-0.06	0.512	0.621
	FR1 n41	100M	BPSK	135	69	Front	5mm	Ant 8	DSI 1	518598	2592.99	Battery 1	Sample 1	20.84	21.70	1.219	0.05	0.495	0.603
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	518598	2592.99	Battery 1	Sample 1	20.86	21.70	1.213	0.03	0.903	1.095
	FR1 n41	100M	BPSK	135	69	Back	5mm	Ant 8	DSI 1	518598	2592.99	Battery 1	Sample 1	20.84	21.70	1.219	-0.16	0.878	1.070
	FR1 n41	100M	BPSK	270	0	Back	5mm	Ant 8	DSI 1	518598	2592.99	Battery 1	Sample 1	20.80	21.70	1.23	0.03	0.867	1.066
	FR1 n41	100M	BPSK	1	1	Back with Holster	0mm	Ant 8	DSI 1	518598	2592.99	Battery 1	Sample 1	20.86	21.70	1.213	0.18	0.105	0.127
	FR1 n41	100M	BPSK	135	69	Back with Holster	0mm	Ant 8	DSI 1	518598	2592.99	Battery 1	Sample 1	20.84	21.70	1.219	0.15	0.100	0.122
	FR1 n41	100M	BPSK	1	1	Back with Clip	0mm	Ant 8	DSI 1	518598	2592.99	Battery 1	Sample 1	20.86	21.70	1.213	0.04	0.302	0.366
	FR1 n41	100M	BPSK	135	69	Back with Clip	0mm	Ant 8	DSI 1	518598	2592.99	Battery 1	Sample 1	20.84	21.70	1.219	-0.02	0.293	0.357
	FR1 n41 HPUE	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	518598	2592.99	Battery 1	Sample 1	23.82	24.70	1.225	0.17	0.696	0.853
102	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	518598	2592.99	Battery 1	Sample 3	20.86	21.70	1.213	0.02	0.957	1.161
	FR1 n41 HPUE	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	518598	2592.99	Battery 1	Sample 3	23.82	24.70	1.225	-0.03	0.898	1.100
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	518598	2592.99	Battery 1	Sample 5	20.86	21.70	1.213	-0.17	0.917	1.112
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	518598	2592.99	Battery 1	Sample 6	20.86	21.70	1.213	0.15	0.867	1.052
	FR1 n41	100M	BPSK	1	1	Back_Slant	5mm	Ant 8	DSI 1	518598	2592.99	Battery 1	Sample 10	20.86	21.70	1.213	0.03	0.840	1.019
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	518598	2592.99	Battery 2	Sample 3	20.86	21.70	1.213	0.06	0.949	1.151
	FR1 n41	100M	BPSK	1	1	Front	5mm	Ant 5	DSI 1	518598	2592.99	Battery 1	Sample 1	18.25	18.80	1.135	0.15	0.179	0.203
	FR1 n41	100M	BPSK	135	69	Front	5mm	Ant 5	DSI 1	518598	2592.99	Battery 1	Sample 1	17.22	18.80	1.439	-0.03	0.138	0.199
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 5	DSI 1	518598	2592.99	Battery 1	Sample 1	18.25	18.80	1.135	0.04	0.531	0.603
	FR1 n41	100M	BPSK	135	69	Back	5mm	Ant 5	DSI 1	518598	2592.99	Battery 1	Sample 1	17.22	18.80	1.439	0.18	0.409	0.589
	FR1 n41	100M	BPSK	1	1	Back with Holster	0mm	Ant 5	DSI 1	518598	2592.99	Battery 1	Sample 1	18.25	18.80	1.135	0.06	0.116	0.132
	FR1 n41	100M	BPSK	135	69	Back with Holster	0mm	Ant 5	DSI 1	518598	2592.99	Battery 1	Sample 1	17.22	18.80	1.439	-0.11	0.089	0.128
	FR1 n41	100M	BPSK	1	1	Back with Clip	0mm	Ant 5	DSI 1	518598	2592.99	Battery 1	Sample 1	18.25	18.80	1.135	0.12	0.814	0.924
	FR1 n41	100M	BPSK	135	69	Back with Clip	0mm	Ant 5	DSI 1	518598	2592.99	Battery 1	Sample 1	17.22	18.80	1.439	0.13	0.628	0.904
	FR1 n41	100M	BPSK	270	0	Back with Clip	0mm	Ant 5	DSI 1	518598	2592.99	Battery 1	Sample 1	17.20	18.30	1.288	-0.11	0.615	0.792
	FR1 n41 HPUE	100M	BPSK	1	1	Back with Clip	0mm	Ant 5	DSI 1	518598	2592.99	Battery 1	Sample 1	20.55	21.80	1.334	0.17	0.787	1.050
	FR1 n41	100M	BPSK	1	1	Back with Clip	0mm	Ant 5	DSI 1	518598	2592.99	Battery 1	Sample 3	18.25	18.80	1.135	-0.06	0.773	0.877
	FR1 n41	100M	BPSK	1	1	Back with Clip	0mm	Ant 5	DSI 1	518598	2592.99	Battery 1	Sample 5	18.25	18.80	1.135	-0.04	0.977	1.109
	FR1 n41 HPUE	100M	BPSK	1	1	Back with Clip	0mm	Ant 5	DSI 1	518598	2592.99	Battery 1	Sample 5	20.55	21.80	1.334	0.00	0.821	1.095
	FR1 n41	100M	BPSK	1	1	Back with Clip	0mm	Ant 5	DSI 1	518598	2592.99	Battery 1	Sample 6	18.25	18.80	1.135	0.17	0.861	0.977
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 5	DSI 1	518598	2592.99	Battery 1	Sample 10	18.25	18.80	1.135	-0.08	0.499	0.566
	FR1 n41	100M	BPSK	1	1	Back with Clip	5mm	Ant 5	DSI 1	518598	2592.99	Battery 2	Sample 5	18.25	18.80	1.135	0.07	0.958	1.087
	FR1 n41	100M	BPSK	1	1	Front	5mm	Ant 3	DSI 1	518598	2592.99	Battery 1	Sample 1	23.34	23.50	1.038	0.00	0.146	0.152
	FR1 n41	100M	BPSK	135	69	Front	5mm	Ant 3	DSI 1	518598	2592.99	Battery 1	Sample 1	22.21	23.50	1.346	-0.07	0.110	0.148
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	518598	2592.99	Battery 1	Sample 1	23.34	23.50	1.038	-0.07	0.536	0.556
	FR1 n41	100M	BPSK	135	69	Back	5mm	Ant 3	DSI 1	518598	2592.99	Battery 1	Sample 1	22.21	23.50	1.346	0.17	0.404	0.544
	FR1 n41	100M	BPSK	1	1	Back with Holster	0mm	Ant 3	DSI 1	518598	2592.99	Battery 1	Sample 1	23.34	23.50	1.038	0.19	0.116</	



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	FR1 n41	100M	BPSK	1	1	Back with Clip	0mm	Ant 3	DSI 1	518598	2592.99	Battery 1	Sample 1	23.34	23.50	1.038	0.06	0.341	0.354
	FR1 n41	100M	BPSK	135	69	Back with Clip	0mm	Ant 3	DSI 1	518598	2592.99	Battery 1	Sample 1	22.21	23.50	1.346	-0.14	0.257	0.346
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	518598	2592.99	Battery 1	Sample 3	23.34	23.50	1.038	-0.13	0.503	0.522
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	518598	2592.99	Battery 1	Sample 5	23.34	23.50	1.038	-0.13	0.122	0.127
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	518598	2592.99	Battery 1	Sample 6	23.34	23.50	1.038	-0.18	0.339	0.352
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	518598	2592.99	Battery 1	Sample 10	23.34	23.50	1.038	0.17	0.157	0.163
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	518598	2592.99	Battery 2	Sample 1	23.34	23.50	1.038	0.07	0.518	0.538
	FR1 n41	100M	BPSK	1	1	Front	5mm	Ant 4	DSI 1	518598	2592.99	Battery 1	Sample 1	20.52	21.00	1.117	0.04	0.237	0.265
	FR1 n41	100M	BPSK	135	69	Front	5mm	Ant 4	DSI 1	518598	2592.99	Battery 1	Sample 1	19.72	21.00	1.343	-0.01	0.193	0.259
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	518598	2592.99	Battery 1	Sample 1	20.52	21.00	1.117	-0.11	0.907	1.013
	FR1 n41	100M	BPSK	135	69	Back	5mm	Ant 4	DSI 1	518598	2592.99	Battery 1	Sample 1	19.72	21.00	1.343	0.08	0.734	0.986
	FR1 n41	100M	BPSK	270	0	Back	5mm	Ant 4	DSI 1	518598	2592.99	Battery 1	Sample 1	19.56	20.50	1.242	0.12	0.726	0.902
	FR1 n41	100M	BPSK	1	1	Back with Holster	0mm	Ant 4	DSI 1	518598	2592.99	Battery 1	Sample 1	20.52	21.00	1.117	0.16	0.196	0.219
	FR1 n41	100M	BPSK	135	69	Back with Holster	0mm	Ant 4	DSI 1	518598	2592.99	Battery 1	Sample 1	19.72	21.00	1.343	-0.05	0.153	0.205
	FR1 n41	100M	BPSK	1	1	Back with Clip	0mm	Ant 4	DSI 1	518598	2592.99	Battery 1	Sample 1	20.52	21.00	1.117	-0.13	0.821	0.917
	FR1 n41	100M	BPSK	135	69	Back with Clip	0mm	Ant 4	DSI 1	518598	2592.99	Battery 1	Sample 1	19.72	21.00	1.343	-0.18	0.669	0.898
	FR1 n41	100M	BPSK	270	0	Back with Clip	0mm	Ant 4	DSI 1	518598	2592.99	Battery 1	Sample 1	19.56	20.50	1.242	0.01	0.671	0.833
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	518598	2592.99	Battery 1	Sample 3	20.52	21.00	1.117	-0.13	0.384	0.429
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	518598	2592.99	Battery 1	Sample 5	20.52	21.00	1.117	-0.02	0.697	0.779
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	518598	2592.99	Battery 1	Sample 6	20.52	21.00	1.117	-0.17	0.893	0.997
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	518598	2592.99	Battery 1	Sample 10	20.52	21.00	1.117	0.06	0.743	0.830
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	518598	2592.99	Battery 2	Sample 1	20.52	21.00	1.117	0.03	0.893	0.997
	FR1 n48	40M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	641666	3624.99	Battery 1	Sample 1	16.81	17.50	1.172	0.13	0.148	0.173
	FR1 n48	40M	BPSK	50	28	Front	5mm	Ant 8	DSI 1	641666	3624.99	Battery 1	Sample 1	16.78	17.50	1.18	-0.01	0.139	0.164
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	641666	3624.99	Battery 1	Sample 1	16.81	17.50	1.172	0.08	0.702	0.823
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	638000	3570	Battery 1	Sample 1	16.71	17.50	1.199	0.15	0.825	0.989
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	645332	3679.98	Battery 1	Sample 1	16.76	17.50	1.186	0.03	0.629	0.746
	FR1 n48	40M	BPSK	50	28	Back	5mm	Ant 8	DSI 1	641666	3624.99	Battery 1	Sample 1	16.78	17.50	1.18	-0.08	0.681	0.804
	FR1 n48	40M	BPSK	50	28	Back	5mm	Ant 8	DSI 1	638000	3570	Battery 1	Sample 1	16.67	17.50	1.212	0.05	0.772	0.936
	FR1 n48	40M	BPSK	50	28	Back	5mm	Ant 8	DSI 1	645332	3679.98	Battery 1	Sample 1	16.70	17.50	1.202	-0.09	0.604	0.726
	FR1 n48	40M	BPSK	100	0	Back	5mm	Ant 8	DSI 1	641666	3624.99	Battery 1	Sample 1	16.77	17.50	1.183	-0.03	0.677	0.801
	FR1 n48	40M	BPSK	1	1	Back with Holster	0mm	Ant 8	DSI 1	641666	3624.99	Battery 1	Sample 1	16.81	17.50	1.172	0.16	0.146	0.171
	FR1 n48	40M	BPSK	50	28	Back with Holster	0mm	Ant 8	DSI 1	641666	3624.99	Battery 1	Sample 1	16.78	17.50	1.18	0.13	0.140	0.165
	FR1 n48	40M	BPSK	1	1	Back with Clip	0mm	Ant 8	DSI 1	641666	3624.99	Battery 1	Sample 1	16.81	17.50	1.172	0.09	0.174	0.204
	FR1 n48	40M	BPSK	50	28	Back with Clip	0mm	Ant 8	DSI 1	641666	3624.99	Battery 1	Sample 1	16.78	17.50	1.18	0.11	0.166	0.196
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	638000	3570	Battery 1	Sample 3	16.71	17.50	1.199	-0.02	0.783	0.939
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	641666	3624.99	Battery 1	Sample 3	16.81	17.50	1.172	0.12	0.653	0.765
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	645332	3679.98	Battery 1	Sample 3	16.76	17.50	1.186	-0.03	0.645	0.765
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	638000	3570	Battery 1	Sample 5	16.71	17.50	1.199	-0.11	0.750	0.899
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	641666	3624.99	Battery 1	Sample 5	16.81	17.50	1.172	-0.04	0.667	0.782
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	645332	3679.98	Battery 1	Sample 5	16.76	17.50	1.186	0.13	0.602	0.714
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	638000	3570	Battery 1	Sample 6	16.71	17.50	1.199	-0.01	0.920	1.103
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	641666	3624.99	Battery 1	Sample 6	16.81	17.50	1.172	0.13	0.802	0.940
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	645332	3679.98	Battery 1	Sample 6	16.76	17.50	1.186	-0.16	0.818	0.970
	FR1 n48	40M	BPSK	1	1	Back_Slant	5mm	Ant 8	DSI 1	638000	3570	Battery 1	Sample 10	16.71	17.50	1.199	-0.18	0.523	0.627
	FR1 n48	40M	BPSK	1	1	Back_Slant	5mm	Ant 8	DSI 1	641666	3624.99	Battery 1	Sample 10	16.81	17.50	1.172	0.06	0.435	0.510
	FR1 n48	40M	BPSK	1	1	Back_Slant	5mm	Ant 8	DSI 1	645332	3679.98	Battery 1	Sample 10	16.76	17.50	1.186	0.08	0.369	0.438
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	638000	3570	Battery 2	Sample 6	16.71	17.50	1.199	0.17	0.907	1.087
	FR1 n48	40M	BPSK	1	1	Front	5mm	Ant 9	DSI 1	641666	3624.99	Battery 1	Sample 1	21.20	22.30	1.288	0.12	0.611	0.787
	FR1 n48	40M	BPSK	1	1	Front	5mm	Ant 9	DSI 1	638000	3570	Battery 1	Sample 1	21.15	22.30	1.303	-0.04	0.595	0.775
	FR1 n48	40M	BPSK	1	1	Front	5mm	Ant 9	DSI 1	645332	3679.98	Battery 1	Sample 1	21.19	22.30	1.291	0.10	0.649	0.838
	FR1 n48	40M	BPSK	50	28	Front	5mm	Ant 9	DSI 1	641666	3624.99	Battery 1	Sample 1	21.18	22.30	1.294	-0.13	0.594	0.769
	FR1 n48	40M	BPSK	50	28	Front	5mm	Ant 9	DSI 1	638000	3570	Battery 1	Sample 1	21.09	22.30	1.321	0.06	0.577	0.762
	FR1 n48	40M	BPSK	50	28	Front	5mm	Ant 9	DSI 1	645332	3679.98	Battery 1	Sample 1	21.15	22.30	1.303	0.02	0.612	0.797
	FR1 n48	40M	BPSK	100	0	Front	5mm	Ant 9	DSI 1	641666	3624.99	Battery 1	Sample 1	21.10	22.30	1.318	-0.16	0.583	0.768
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	641666	3624.99	Battery 1	Sample 1	21.20	22.30	1.288	-0.11	0.633	0.815
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	638000	3570	Battery 1	Sample 1	21.15	22.30	1.303	-0.11	0.611	0.796
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	645332	3679.98	Battery 1	Sample 1	21.19	22.30	1.291	0.12	0.806	1.041
	FR1 n48	40M	BPSK	50	28	Back	5mm	Ant 9	DSI 1	641666	3624.99	Battery 1	Sample 1	21.18	22.30	1.294	0.14	0.613	0.793
	FR1 n48	40M	BPSK	50	28	Back	5mm	Ant 9	DSI 1	638000	3570	Battery 1	Sample 1	21.09	22.30	1.321	-0.04	0.583	0.770
	FR1 n48	40M	BPSK	50	28	Back	5mm	Ant 9	DSI 1	645332	3679.98	Battery 1	Sample 1	21.15	22.30	1.303	0.07	0.682	0.889
	FR1 n48	40M	BPSK	100	0	Back	5mm	Ant 9	DSI 1	641666	3624.99	Battery 1	Sample 1	21.10	22.30	1.318	-0.01	0.604	0.796
	FR1 n48	40M	BPSK	1	1	Back with Holster	0mm	Ant 9	DSI 1	641666	3624.99	Battery 1	Sample 1	21.20	22.30	1.288	0.07	0.219	0.282
	FR1 n48	40M	BPSK	50	28	Back with Holster	0mm	Ant 9	DSI 1	641666	3624.99	Battery 1	Sample 1	21.18	22.30	1.294	-0.18	0.211	0.273
	FR1 n48	40M	BPSK	1	1	Back with Clip	0mm	Ant 9	DSI 1	641666	3624.99	Battery 1	Sample 1	21.20	22.30	1.288	0.13	0.265	0.341
	FR1 n48	40M	BPSK	50	28	Back with Clip	0mm	Ant 9	DSI 1	641666	3624.99	Battery 1	Sample 1	21.18	22.30	1.294	0.12	0.257	0.333
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	645332	3679.98	Battery 1	Sample 3	21.19	22.30	1.291	0.08	0.839	1.083
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	638000	3570	Battery 1	Sample 3	21.15	22.30	1.303	0.06	0.656	0.855
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	641666	3624.99	Battery 1	Sample 3	21.20	22.30	1.288	-0.09	0.758	0.976
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	645332	3679.98	Battery 1	Sample 5	21.19	22.30	1.291	-0.03	0.898	1.159
	FR1 n48	40M	BPSK	1	1	Back</													



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	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	641666	3624.99	Battery 1	Sample 6	21.20	22.30	1.288	-0.02	0.800	1.030
	FR1 n48	40M	BPSK	1	1	Back_Slant	5mm	Ant 9	DSI 1	645332	3679.98	Battery 1	Sample 10	21.19	22.30	1.291	-0.09	0.822	1.061
	FR1 n48	40M	BPSK	1	1	Back_Slant	5mm	Ant 9	DSI 1	638000	3570	Battery 1	Sample 10	21.15	22.30	1.303	-0.05	0.634	0.826
	FR1 n48	40M	BPSK	1	1	Back_Slant	5mm	Ant 9	DSI 1	641666	3624.99	Battery 1	Sample 10	21.20	22.30	1.288	0.16	0.658	0.848
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	645332	3679.98	Battery 2	Sample 6	21.19	22.30	1.291	0.12	0.876	1.131
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	633332	3499.98	Battery 1	Sample 1	17.33	17.90	1.14	-0.16	0.180	0.205
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 8	DSI 1	633332	3499.98	Battery 1	Sample 1	17.25	17.90	1.161	0.12	0.172	0.200
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	633332	3499.98	Battery 1	Sample 1	17.33	17.90	1.14	0.05	0.992	1.131
	FR1 n77	100M	BPSK	135	69	Back	5mm	Ant 8	DSI 1	633332	3499.98	Battery 1	Sample 1	17.25	17.90	1.161	-0.13	0.951	1.104
	FR1 n77	100M	BPSK	270	0	Back	5mm	Ant 8	DSI 1	633332	3499.98	Battery 1	Sample 1	17.22	17.90	1.169	0.05	0.939	1.098
	FR1 n77	100M	BPSK	1	1	Back with Holster	0mm	Ant 8	DSI 1	633332	3499.98	Battery 1	Sample 1	17.33	17.90	1.14	0.10	0.142	0.162
	FR1 n77	100M	BPSK	135	69	Back with Holster	0mm	Ant 8	DSI 1	633332	3499.98	Battery 1	Sample 1	17.25	17.90	1.161	0.05	0.132	0.153
	FR1 n77	100M	BPSK	1	1	Back with Clip	0mm	Ant 8	DSI 1	633332	3499.98	Battery 1	Sample 1	17.33	17.90	1.14	-0.14	0.204	0.233
	FR1 n77	100M	BPSK	135	69	Back with Clip	0mm	Ant 8	DSI 1	633332	3499.98	Battery 1	Sample 1	17.25	17.90	1.161	-0.18	0.192	0.223
	FR1 n77 HPUE	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	633332	3499.98	Battery 1	Sample 1	20.27	20.90	1.156	-0.18	0.905	1.046
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	633332	3499.98	Battery 1	Sample 3	17.33	17.90	1.14	0.06	1.020	1.163
	FR1 n77 HPUE	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	633332	3499.98	Battery 1	Sample 3	20.27	20.90	1.156	0.06	0.926	1.070
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	633332	3499.98	Battery 1	Sample 5	17.33	17.90	1.14	0.11	0.929	1.059
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	633332	3499.98	Battery 1	Sample 6	17.33	17.90	1.14	0.18	0.903	1.029
	FR1 n77	100M	BPSK	1	1	Back_Slant	5mm	Ant 8	DSI 1	633332	3499.98	Battery 1	Sample 10	17.33	17.90	1.14	-0.15	0.615	0.701
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	633332	3499.98	Battery 2	Sample 3	17.33	17.90	1.14	0.03	0.997	1.137
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 9	DSI 1	633332	3499.98	Battery 1	Sample 1	21.08	21.70	1.153	0.18	0.638	0.736
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 9	DSI 1	633332	3499.98	Battery 1	Sample 1	21.04	21.70	1.164	-0.06	0.616	0.717
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	633332	3499.98	Battery 1	Sample 1	21.08	21.70	1.153	-0.00	0.377	0.435
	FR1 n77	100M	BPSK	135	69	Back	5mm	Ant 9	DSI 1	633332	3499.98	Battery 1	Sample 1	21.04	21.70	1.164	-0.12	0.365	0.425
	FR1 n77	100M	BPSK	1	1	Back with Holster	0mm	Ant 9	DSI 1	633332	3499.98	Battery 1	Sample 1	21.08	21.70	1.153	0.07	0.065	0.075
	FR1 n77	100M	BPSK	135	69	Back with Holster	0mm	Ant 9	DSI 1	633332	3499.98	Battery 1	Sample 1	21.04	21.70	1.164	0.12	0.062	0.072
	FR1 n77	100M	BPSK	1	1	Back with Clip	0mm	Ant 9	DSI 1	633332	3499.98	Battery 1	Sample 1	21.08	21.70	1.153	-0.06	0.134	0.155
	FR1 n77	100M	BPSK	135	69	Back with Clip	0mm	Ant 9	DSI 1	633332	3499.98	Battery 1	Sample 1	21.04	21.70	1.164	-0.08	0.128	0.149
	FR1 n77 HPUE	100M	BPSK	1	1	Front	5mm	Ant 9	DSI 1	633332	3499.98	Battery 1	Sample 1	24.17	24.70	1.13	0.02	0.456	0.515
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 9	DSI 1	633332	3499.98	Battery 1	Sample 3	21.08	21.70	1.153	0.09	0.898	1.035
104	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 9	DSI 1	633332	3499.98	Battery 1	Sample 5	21.08	21.70	1.153	0.02	1.030	1.188
	FR1 n77 HPUE	100M	BPSK	1	1	Front	5mm	Ant 9	DSI 1	633332	3499.98	Battery 1	Sample 5	24.17	24.70	1.13	-0.07	0.991	1.120
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 9	DSI 1	633332	3499.98	Battery 1	Sample 6	21.08	21.70	1.153	0.02	0.788	0.909
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 9	DSI 1	633332	3499.98	Battery 1	Sample 10	21.08	21.70	1.153	-0.17	0.647	0.746
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 9	DSI 1	633332	3499.98	Battery 2	Sample 5	21.08	21.70	1.153	-0.15	0.996	1.148
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 3	DSI 1	633332	3499.98	Battery 1	Sample 1	15.55	15.70	1.035	0.11	0.107	0.111
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 3	DSI 1	633332	3499.98	Battery 1	Sample 1	15.49	15.70	1.05	-0.01	0.102	0.107
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	633332	3499.98	Battery 1	Sample 1	15.55	15.70	1.035	-0.08	0.366	0.379
	FR1 n77	100M	BPSK	135	69	Back	5mm	Ant 3	DSI 1	633332	3499.98	Battery 1	Sample 1	15.49	15.70	1.05	-0.19	0.352	0.370
	FR1 n77	100M	BPSK	1	1	Back with Holster	0mm	Ant 3	DSI 1	633332	3499.98	Battery 1	Sample 1	15.55	15.70	1.035	0.18	0.079	0.082
	FR1 n77	100M	BPSK	135	69	Back with Holster	0mm	Ant 3	DSI 1	633332	3499.98	Battery 1	Sample 1	15.49	15.70	1.05	-0.09	0.075	0.079
	FR1 n77	100M	BPSK	1	1	Back with Clip	0mm	Ant 3	DSI 1	633332	3499.98	Battery 1	Sample 1	15.55	15.70	1.035	0.19	0.248	0.257
	FR1 n77	100M	BPSK	135	69	Back with Clip	0mm	Ant 3	DSI 1	633332	3499.98	Battery 1	Sample 1	15.49	15.70	1.05	0.16	0.238	0.250
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	633332	3499.98	Battery 1	Sample 3	15.55	15.70	1.035	-0.06	0.367	0.380
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	633332	3499.98	Battery 1	Sample 5	15.55	15.70	1.035	0.07	0.384	0.397
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	633332	3499.98	Battery 1	Sample 6	15.55	15.70	1.035	-0.11	0.316	0.327
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	633332	3499.98	Battery 1	Sample 10	15.55	15.70	1.035	0.08	0.284	0.294
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	633332	3499.98	Battery 2	Sample 5	15.55	15.70	1.035	0.04	0.365	0.378
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 4	DSI 1	633332	3499.98	Battery 1	Sample 1	17.82	19.00	1.312	0.19	0.079	0.104
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 4	DSI 1	633332	3499.98	Battery 1	Sample 1	17.75	19.00	1.334	-0.11	0.075	0.100
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	633332	3499.98	Battery 1	Sample 1	17.82	19.00	1.312	0.05	0.284	0.373
	FR1 n77	100M	BPSK	135	69	Back	5mm	Ant 4	DSI 1	633332	3499.98	Battery 1	Sample 1	17.75	19.00	1.334	0.14	0.271	0.362
	FR1 n77	100M	BPSK	1	1	Back with Holster	0mm	Ant 4	DSI 1	633332	3499.98	Battery 1	Sample 1	17.82	19.00	1.312	-0.11	0.080	0.105
	FR1 n77	100M	BPSK	135	69	Back with Holster	0mm	Ant 4	DSI 1	633332	3499.98	Battery 1	Sample 1	17.75	19.00	1.334	-0.04	0.076	0.101
	FR1 n77	100M	BPSK	1	1	Back with Clip	0mm	Ant 4	DSI 1	633332	3499.98	Battery 1	Sample 1	17.82	19.00	1.312	0.11	0.205	0.269
	FR1 n77	100M	BPSK	135	69	Back with Clip	0mm	Ant 4	DSI 1	633332	3499.98	Battery 1	Sample 1	17.75	19.00	1.334	-0.03	0.195	0.260
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	633332	3499.98	Battery 1	Sample 3	17.82	19.00	1.312	0.17	0.141	0.185
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	633332	3499.98	Battery 1	Sample 5	17.82	19.00	1.312	0.06	0.304	0.399
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	633332	3499.98	Battery 1	Sample 6	17.82	19.00	1.312	0.04	0.473	0.621
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	633332	3499.98	Battery 1	Sample 10	17.82	19.00	1.312	0.08	0.242	0.318
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	633332	3499.98	Battery 2	Sample 6	17.82	19.00	1.312	0.03	0.456	0.598
	FR1 n77/n78	100M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	641666	3624.99	Battery 1	Sample 1	17.30	17.90	1.148	0.07	0.108	0.124
	FR1 n77/n78	100M	BPSK	135	69	Front	5mm	Ant 8	DSI 1	641666	3624.99	Battery 1	Sample 1	17.28	17.90	1.153	0.17	0.105	0.121
	FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	641666	3624.99	Battery 1	Sample 1	17.30	17.90	1.148	0.15	0.558	0.641
	FR1 n77/n78	100M	BPSK	135	69	Back	5mm	Ant 8	DSI 1	641666	3624.99	Battery 1	Sample 1	17.28	17.90	1.153	0.14	0.542	0.625
	FR1 n77/n78	100M	BPSK	1	1	Back with Holster	0mm	Ant 8	DSI 1	641666	3624.99	Battery 1	Sample 1	17.30	17.90	1.148	0.12	0.100	0.115
	FR1 n77/n78	100M	BPSK	135	69	Back with Holster	0mm	Ant 8	DSI 1	641666	3624.99	Battery 1	Sample 1	17.28	17.90	1.153	-0.13	0.094	0.108

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FR1 n77/n78	100M	BPSK	1	1	Back with Clip	0mm	Ant 8	DSI 1	641666	3624.99	Battery 1	Sample 1	17.30	17.90	1.148	-0.13	0.114	0.131
FR1 n77/n78	100M	BPSK	135	69	Back with Clip	0mm	Ant 8	DSI 1	641666	3624.99	Battery 1	Sample 1	17.28	17.90	1.153	-0.10	0.110	0.127
FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	641666	3624.99	Battery 1	Sample 3	17.30	17.90	1.148	-0.06	0.506	0.581
FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	641666	3624.99	Battery 1	Sample 5	17.30	17.90	1.148	-0.11	0.416	0.478
FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	641666	3624.99	Battery 1	Sample 6	17.30	17.90	1.148	0.06	0.566	0.650
FR1 n77/n78	100M	BPSK	1	1	Back_Slant	5mm	Ant 8	DSI 1	641666	3624.99	Battery 1	Sample 10	17.30	17.90	1.148	0.07	0.331	0.380
FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	641666	3624.99	Battery 2	Sample 6	17.30	17.90	1.148	0.02	0.549	0.630
FR1 n77/n78	100M	BPSK	1	1	Front	5mm	Ant 9	DSI 1	641666	3624.99	Battery 1	Sample 1	21.17	21.70	1.13	0.17	0.364	0.411
FR1 n77/n78	100M	BPSK	135	69	Front	5mm	Ant 9	DSI 1	641666	3624.99	Battery 1	Sample 1	21.15	21.70	1.135	0.12	0.351	0.398
FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	641666	3624.99	Battery 1	Sample 1	21.17	21.70	1.13	0.00	0.345	0.390
FR1 n77/n78	100M	BPSK	135	69	Back	5mm	Ant 9	DSI 1	641666	3624.99	Battery 1	Sample 1	21.15	21.70	1.135	0.02	0.332	0.377
FR1 n77/n78	100M	BPSK	1	1	Back with Holster	0mm	Ant 9	DSI 1	641666	3624.99	Battery 1	Sample 1	21.17	21.70	1.13	-0.03	0.127	0.144
FR1 n77/n78	100M	BPSK	135	69	Back with Holster	0mm	Ant 9	DSI 1	641666	3624.99	Battery 1	Sample 1	21.15	21.70	1.135	0.12	0.123	0.140
FR1 n77/n78	100M	BPSK	1	1	Back with Clip	0mm	Ant 9	DSI 1	641666	3624.99	Battery 1	Sample 1	21.17	21.70	1.13	-0.15	0.162	0.183
FR1 n77/n78	100M	BPSK	135	69	Back with Clip	0mm	Ant 9	DSI 1	641666	3624.99	Battery 1	Sample 1	21.15	21.70	1.135	-0.08	0.156	0.177
FR1 n77/n78	100M	BPSK	1	1	Front	5mm	Ant 9	DSI 1	641666	3624.99	Battery 1	Sample 3	21.17	21.70	1.13	0.07	0.537	0.607
FR1 n77/n78	100M	BPSK	1	1	Front	5mm	Ant 9	DSI 1	641666	3624.99	Battery 1	Sample 5	21.17	21.70	1.13	0.17	0.514	0.581
FR1 n77/n78	100M	BPSK	1	1	Front	5mm	Ant 9	DSI 1	641666	3624.99	Battery 1	Sample 6	21.17	21.70	1.13	0.08	0.505	0.571
FR1 n77/n78	100M	BPSK	1	1	Front	5mm	Ant 9	DSI 1	641666	3624.99	Battery 1	Sample 10	21.17	21.70	1.13	-0.19	0.455	0.514
FR1 n77/n78	100M	BPSK	1	1	Front	5mm	Ant 9	DSI 1	641666	3624.99	Battery 2	Sample 3	21.17	21.70	1.13	0.02	0.519	0.586
FR1 n77/n78	100M	BPSK	1	1	Front	5mm	Ant 3	DSI 1	641666	3624.99	Battery 1	Sample 1	15.04	15.70	1.164	0.14	0.084	0.098
FR1 n77/n78	100M	BPSK	135	69	Front	5mm	Ant 3	DSI 1	641666	3624.99	Battery 1	Sample 1	15.02	15.70	1.169	-0.03	0.081	0.095
FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	641666	3624.99	Battery 1	Sample 1	15.04	15.70	1.164	0.04	0.286	0.333
FR1 n77/n78	100M	BPSK	135	69	Back	5mm	Ant 3	DSI 1	641666	3624.99	Battery 1	Sample 1	15.02	15.70	1.169	-0.02	0.278	0.325
FR1 n77/n78	100M	BPSK	1	1	Back with Holster	0mm	Ant 3	DSI 1	641666	3624.99	Battery 1	Sample 1	15.04	15.70	1.164	-0.18	0.044	0.051
FR1 n77/n78	100M	BPSK	135	69	Back with Holster	0mm	Ant 3	DSI 1	641666	3624.99	Battery 1	Sample 1	15.02	15.70	1.169	0.16	0.041	0.048
FR1 n77/n78	100M	BPSK	1	1	Back with Clip	0mm	Ant 3	DSI 1	641666	3624.99	Battery 1	Sample 1	15.04	15.70	1.164	-0.11	0.194	0.226
FR1 n77/n78	100M	BPSK	135	69	Back with Clip	0mm	Ant 3	DSI 1	641666	3624.99	Battery 1	Sample 1	15.02	15.70	1.169	-0.03	0.189	0.221
FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	641666	3624.99	Battery 1	Sample 3	15.04	15.70	1.164	0.09	0.335	0.390
FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	641666	3624.99	Battery 1	Sample 5	15.04	15.70	1.164	0.06	0.374	0.435
FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	641666	3624.99	Battery 1	Sample 6	15.04	15.70	1.164	0.10	0.258	0.300
FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	641666	3624.99	Battery 1	Sample 10	15.04	15.70	1.164	0.05	0.155	0.180
FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	641666	3624.99	Battery 2	Sample 5	15.04	15.70	1.164	0.02	0.366	0.426
FR1 n77/n78	100M	BPSK	1	1	Front	5mm	Ant 4	DSI 1	641666	3624.99	Battery 1	Sample 1	17.90	19.00	1.288	0.05	0.092	0.118
FR1 n77/n78	100M	BPSK	135	69	Front	5mm	Ant 4	DSI 1	641666	3624.99	Battery 1	Sample 1	17.85	19.00	1.303	0.12	0.089	0.116
FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	641666	3624.99	Battery 1	Sample 1	17.90	19.00	1.288	0.06	0.399	0.514
FR1 n77/n78	100M	BPSK	135	69	Back	5mm	Ant 4	DSI 1	641666	3624.99	Battery 1	Sample 1	17.85	19.00	1.303	-0.16	0.384	0.500
FR1 n77/n78	100M	BPSK	1	1	Back with Holster	0mm	Ant 4	DSI 1	641666	3624.99	Battery 1	Sample 1	17.90	19.00	1.288	0.09	0.084	0.108
FR1 n77/n78	100M	BPSK	135	69	Back with Holster	0mm	Ant 4	DSI 1	641666	3624.99	Battery 1	Sample 1	17.85	19.00	1.303	0.10	0.080	0.104
FR1 n77/n78	100M	BPSK	1	1	Back with Clip	0mm	Ant 4	DSI 1	641666	3624.99	Battery 1	Sample 1	17.90	19.00	1.288	0.14	0.223	0.287
FR1 n77/n78	100M	BPSK	135	69	Back with Clip	0mm	Ant 4	DSI 1	641666	3624.99	Battery 1	Sample 1	17.85	19.00	1.303	-0.16	0.213	0.278
FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	641666	3624.99	Battery 1	Sample 3	17.90	19.00	1.288	-0.17	0.202	0.260
FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	641666	3624.99	Battery 1	Sample 5	17.90	19.00	1.288	0.07	0.437	0.563
FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	641666	3624.99	Battery 1	Sample 6	17.90	19.00	1.288	0.02	0.517	0.666
FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	641666	3624.99	Battery 1	Sample 10	17.90	19.00	1.288	0.05	0.306	0.394
FR1 n77/n78	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	641666	3624.99	Battery 2	Sample 6	17.90	19.00	1.288	-0.07	0.513	0.661
FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 8	DSI 1	656000	3840	Battery 1	Sample 1	17.37	17.90	1.13	0.03	0.070	0.079

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FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 8	DSI 1	656000	3840	Battery 1	Sample 1	17.34	17.90	1.138	0.16	0.067	0.076
FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	656000	3840	Battery 1	Sample 1	17.37	17.90	1.13	0.12	0.426	0.481
FR1 n77	100M	BPSK	135	69	Back	5mm	Ant 8	DSI 1	656000	3840	Battery 1	Sample 1	17.34	17.90	1.138	-0.02	0.412	0.469
FR1 n77	100M	BPSK	1	1	Back with Holster	0mm	Ant 8	DSI 1	656000	3840	Battery 1	Sample 1	17.37	17.90	1.13	-0.01	0.117	0.132
FR1 n77	100M	BPSK	135	69	Back with Holster	0mm	Ant 8	DSI 1	656000	3840	Battery 1	Sample 1	17.34	17.90	1.138	0.08	0.112	0.127
FR1 n77	100M	BPSK	1	1	Back with Clip	0mm	Ant 8	DSI 1	656000	3840	Battery 1	Sample 1	17.37	17.90	1.13	-0.04	0.131	0.148
FR1 n77	100M	BPSK	135	69	Back with Clip	0mm	Ant 8	DSI 1	656000	3840	Battery 1	Sample 1	17.34	17.90	1.138	0.13	0.127	0.145
FR1 n77 HPUE	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	656000	3840	Battery 1	Sample 1	20.32	20.90	1.143	0.01	0.382	0.437
FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	656000	3840	Battery 1	Sample 3	17.37	17.90	1.13	-0.12	0.497	0.562
FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	656000	3840	Battery 1	Sample 5	17.37	17.90	1.13	-0.03	0.440	0.497
FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 1	656000	3840	Battery 1	Sample 6	17.37	17.90	1.13	0.09	0.491	0.555
FR1 n77	100M	BPSK	1	1	Back_Slant	5mm	Ant 8	DSI 1	656000	3840	Battery 1	Sample 10	17.37	17.90	1.13	0.05	0.499	0.564
FR1 n77 HPUE	100M	BPSK	1	1	Back_Slant	5mm	Ant 8	DSI 1	656000	3840	Battery 1	Sample 10	20.32	20.90	1.143	0.07	0.462	0.528
FR1 n77	100M	BPSK	1	1	Back_Slant	5mm	Ant 8	DSI 1	656000	3840	Battery 2	Sample 10	17.37	17.90	1.13	-0.16	0.486	0.549
FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 9	DSI 1	656000	3840	Battery 1	Sample 1	21.25	21.70	1.109	-0.02	0.569	0.631
FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 9	DSI 1	656000	3840	Battery 1	Sample 1	21.23	21.70	1.114	0.16	0.552	0.615
FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	656000	3840	Battery 1	Sample 1	21.25	21.70	1.109	-0.10	0.733	0.813
FR1 n77	100M	BPSK	135	69	Back	5mm	Ant 9	DSI 1	656000	3840	Battery 1	Sample 1	21.23	21.70	1.114	-0.13	0.713	0.794
FR1 n77	100M	BPSK	270	0	Back	5mm	Ant 9	DSI 1	656000	3840	Battery 1	Sample 1	21.11	21.70	1.146	0.03	0.679	0.778
FR1 n77	100M	BPSK	1	1	Back with Holster	0mm	Ant 9	DSI 1	656000	3840	Battery 1	Sample 1	21.25	21.70	1.109	0.06	0.226	0.251
FR1 n77	100M	BPSK	135	69	Back with Holster	0mm	Ant 9	DSI 1	656000	3840	Battery 1	Sample 1	21.23	21.70	1.114	-0.00	0.220	0.245
FR1 n77	100M	BPSK	1	1	Back with Clip	0mm	Ant 9	DSI 1	656000	3840	Battery 1	Sample 1	21.25	21.70	1.109	0.06	0.341	0.378
FR1 n77	100M	BPSK	135	69	Back with Clip	0mm	Ant 9	DSI 1	656000	3840	Battery 1	Sample 1	21.23	21.70	1.114	-0.02	0.318	0.354
FR1 n77 HPUE	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	656000	3840	Battery 1	Sample 1	24.26	24.70	1.107	0.09	0.675	0.747
FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	656000	3840	Battery 1	Sample 3	21.25	21.70	1.109	-0.06	0.742	0.823
FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	656000	3840	Battery 1	Sample 5	21.25	21.70	1.109	-0.12	0.865	0.959
FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 9	DSI 1	656000	3840	Battery 1	Sample 6	21.25	21.70	1.109	0.17	0.697	0.773
FR1 n77	100M	BPSK	1	1	Back_Slant	5mm	Ant 9	DSI 1	656000	3840	Battery 1	Sample 10	21.25	21.70	1.109	0.07	0.993	1.101
FR1 n77 HPUE	100M	BPSK	1	1	Back_Slant	5mm	Ant 9	DSI 1	656000	3840	Battery 1	Sample 10	24.26	24.70	1.107	-0.02	0.902	0.999
FR1 n77	100M	BPSK	1	1	Back_Slant	5mm	Ant 9	DSI 1	656000	3840	Battery 2	Sample 10	21.25	21.70	1.109	0.02	0.978	1.085
FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 3	DSI 1	656000	3840	Battery 1	Sample 1	15.28	15.70	1.102	-0.11	0.019	0.021
FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 3	DSI 1	656000	3840	Battery 1	Sample 1	15.26	15.70	1.107	0.03	0.016	0.018
FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	656000	3840	Battery 1	Sample 1	15.28	15.70	1.102	-0.01	0.049	0.054
FR1 n77	100M	BPSK	135	69	Back	5mm	Ant 3	DSI 1	656000	3840	Battery 1	Sample 1	15.26	15.70	1.107	0.02	0.045	0.050
FR1 n77	100M	BPSK	1	1	Back with Holster	0mm	Ant 3	DSI 1	656000	3840	Battery 1	Sample 1	15.28	15.70	1.102	0.04	0.017	0.019
FR1 n77	100M	BPSK	135	69	Back with Holster	0mm	Ant 3	DSI 1	656000	3840	Battery 1	Sample 1	15.26	15.70	1.107	-0.10	0.015	0.017
FR1 n77	100M	BPSK	1	1	Back with Clip	0mm	Ant 3	DSI 1	656000	3840	Battery 1	Sample 1	15.28	15.70	1.102	0.11	0.037	0.041
FR1 n77	100M	BPSK	135	69	Back with Clip	0mm	Ant 3	DSI 1	656000	3840	Battery 1	Sample 1	15.26	15.70	1.107	0.17	0.033	0.037
FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	656000	3840	Battery 1	Sample 3	15.28	15.70	1.102	0.14	1.070	1.179
FR1 n77	100M	BPSK	135	69	Back	5mm	Ant 3	DSI 1	656000	3840	Battery 1	Sample 3	15.26	15.70	1.107	0.08	1.020	1.129
FR1 n77	100M	BPSK	270	0	Back	5mm	Ant 3	DSI 1	656000	3840	Battery 1	Sample 3	15.24	15.70	1.112	-0.09	1.000	1.112
FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	656000	3840	Battery 1	Sample 5	15.28	15.70	1.102	0.16	0.074	0.082
FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	656000	3840	Battery 1	Sample 6	15.28	15.70	1.102	-0.14	0.568	0.626
FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	656000	3840	Battery 1	Sample 10	15.28	15.70	1.102	-0.08	0.088	0.097
FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 1	656000	3840	Battery 2	Sample 3	15.28	15.70	1.102	0.06	1.030	1.135
FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 4	DSI 1	656000	3840	Battery 1	Sample 1	18.11	19.00	1.227	0.14	0.191	0.234
FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 4	DSI 1	656000	3840	Battery 1	Sample 1	18.08	19.00	1.236	-0.03	0.184	0.227
FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	656000	3840	Battery 1	Sample 1	18.11	19.00	1.227	-0.03	0.667	0.818
FR1 n77	100M	BPSK	135	69	Back	5mm	Ant 4	DSI 1	656000	3840	Battery 1	Sample 1	18.08	19.00	1.236	0.13	0.648	0.801
FR1 n77	100M	BPSK	270	0	Back	5mm	Ant 4	DSI 1	656000	3840	Battery 1	Sample 1	17.98	19.00	1.265	0.02	0.629	0.796
FR1 n77	100M	BPSK	1	1	Back with Holster	0mm	Ant 4	DSI 1	656000	3840	Battery 1	Sample 1	18.11	19.00	1.227	-0.08	0.152	0.187
FR1 n77	100M	BPSK	135	69	Back with Holster	0mm	Ant 4	DSI 1	656000	3840	Battery 1	Sample 1	18.08	19.00	1.236	-0.02	0.146	0.180
FR1 n77	100M	BPSK	1	1	Back with Clip	0mm	Ant 4	DSI 1	656000	3840	Battery 1	Sample 1	18.11	19.00	1.227	0.08	0.383	0.470
FR1 n77	100M	BPSK	135	69	Back with Clip	0mm	Ant 4	DSI 1	656000	3840	Battery 1	Sample 1	18.08	19.00	1.236	0.12	0.371	0.459
FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	656000	3840	Battery 1	Sample 3	18.11	19.00	1.227	-0.16	0.375	0.460
FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	656000	3840	Battery 1	Sample 5	18.11	19.00	1.227	-0.02	0.617	0.757
FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	656000	3840	Battery 1	Sample 6	18.11	19.00	1.227	0.03	0.901	1.106
FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	656000	3840	Battery 1	Sample 10	18.11	19.00	1.227	-0.10	0.539	0.661
FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 1	656000	3840	Battery 2	Sample 6	18.11	19.00	1.227	0.02	0.878	1.077



FCC SAR TEST REPORT

Report No. : FA5N0611-01B

【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	5mm	Ant 6	DSI 1	11	2462	Battery 1	Sample 1	20.16	20.50	1.081	97.07	1.03	0.11	0.179	0.199
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	DSI 1	11	2462	Battery 1	Sample 1	20.16	20.50	1.081	97.07	1.03	0.10	0.574	0.639
	WLAN2.4GHz	802.11b 1Mbps	Back with Holster	0mm	Ant 6	DSI 1	11	2462	Battery 1	Sample 1	20.16	20.50	1.081	97.07	1.03	0.02	0.147	0.164
	WLAN2.4GHz	802.11b 1Mbps	Back with Clip	0mm	Ant 6	DSI 1	11	2462	Battery 1	Sample 1	20.16	20.50	1.081	97.07	1.03	0.14	0.099	0.110
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	DSI 1	11	2462	Battery 1	Sample 3	20.16	20.50	1.081	97.07	1.03	0.12	0.539	0.600
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	DSI 1	11	2462	Battery 1	Sample 5	20.16	20.50	1.081	97.07	1.03	0.04	0.529	0.589
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	DSI 1	11	2462	Battery 1	Sample 6	20.16	20.50	1.081	97.07	1.03	-0.13	0.514	0.572
	WLAN2.4GHz	802.11b 1Mbps	Back_Slant	5mm	Ant 6	DSI 1	11	2462	Battery 1	Sample 10	20.16	20.50	1.081	97.07	1.03	0.03	0.866	0.964
	WLAN2.4GHz	802.11b 1Mbps	Back_Slant	5mm	Ant 6	DSI 1	1	2412	Battery 1	Sample 10	20.09	20.50	1.099	97.07	1.03	-0.11	0.718	0.813
	WLAN2.4GHz	802.11b 1Mbps	Back_Slant	5mm	Ant 6	DSI 1	6	2437	Battery 1	Sample 10	20.14	20.50	1.086	97.07	1.03	0.17	0.808	0.904
	WLAN2.4GHz	802.11b 1Mbps	Back_Slant	5mm	Ant 6	DSI 1	11	2462	Battery 2	Sample 10	20.16	20.50	1.081	97.07	1.03	-0.02	0.836	0.931
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 7	DSI 1	11	2462	Battery 1	Sample 1	19.99	20.50	1.125	97.07	1.03	0.15	0.151	0.175
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 7	DSI 1	11	2462	Battery 1	Sample 1	19.99	20.50	1.125	97.07	1.03	-0.12	0.391	0.453
	WLAN2.4GHz	802.11b 1Mbps	Back with Holster	0mm	Ant 7	DSI 1	11	2462	Battery 1	Sample 1	19.99	20.50	1.125	97.07	1.03	0.16	0.050	0.058
	WLAN2.4GHz	802.11b 1Mbps	Back with Clip	0mm	Ant 7	DSI 1	11	2462	Battery 1	Sample 1	19.99	20.50	1.125	97.07	1.03	0.13	0.134	0.155
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 7	DSI 1	11	2462	Battery 1	Sample 3	19.99	20.50	1.125	97.07	1.03	-0.06	0.409	0.474
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 7	DSI 1	11	2462	Battery 1	Sample 5	19.99	20.50	1.125	97.07	1.03	0.11	0.412	0.477
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 7	DSI 1	11	2462	Battery 1	Sample 6	19.99	20.50	1.125	97.07	1.03	-0.04	0.579	0.671
	WLAN2.4GHz	802.11b 1Mbps	Back_Slant	5mm	Ant 7	DSI 1	11	2462	Battery 1	Sample 10	19.99	20.50	1.125	97.07	1.03	-0.13	0.476	0.552
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 7	DSI 1	11	2462	Battery 2	Sample 6	19.99	20.50	1.125	97.07	1.03	0.12	0.544	0.630
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant MIMO(6)	DSI 1	11	2462	Battery 1	Sample 1	20.02	20.50	1.117	97.07	1.03	0.16	0.333	0.383
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant MIMO(6)	DSI 1	11	2462	Battery 1	Sample 1	20.02	20.50	1.117	97.07	1.03	-0.17	0.795	0.915
	WLAN2.4GHz	802.11b 1Mbps	Back with Holster	0mm	Ant MIMO(6)	DSI 1	11	2462	Battery 1	Sample 1	20.02	20.50	1.117	97.07	1.03	-0.14	0.133	0.153
	WLAN2.4GHz	802.11b 1Mbps	Back with Clip	0mm	Ant MIMO(6)	DSI 1	11	2462	Battery 1	Sample 1	20.02	20.50	1.117	97.07	1.03	-0.05	0.257	0.296
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant MIMO(6)	DSI 1	11	2462	Battery 1	Sample 3	20.02	20.50	1.117	97.07	1.03	0.03	0.704	0.810
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant MIMO(6)	DSI 1	11	2462	Battery 1	Sample 5	20.02	20.50	1.117	97.07	1.03	0.12	0.789	0.908
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant MIMO(6)	DSI 1	11	2462	Battery 1	Sample 6	20.02	20.50	1.117	97.07	1.03	0.04	0.679	0.781
105	WLAN2.4GHz	802.11b 1Mbps	Back_Slant	5mm	Ant MIMO(6)	DSI 1	11	2462	Battery 1	Sample 10	20.02	20.50	1.117	97.07	1.03	0.00	1.040	1.197
	WLAN2.4GHz	802.11b 1Mbps	Back_Slant	5mm	Ant MIMO(7)	DSI 1	11	2462	Battery 1	Sample 10	20.11	20.50	1.094	97.07	1.03	-0.03	0.548	0.617
	WLAN2.4GHz	802.11b 1Mbps	Back_Slant	5mm	Ant MIMO(6)	DSI 1	1	2412	Battery 1	Sample 10	20.06	20.50	1.107	97.07	1.03	-0.13	0.806	0.919
	WLAN2.4GHz	802.11b 1Mbps	Back_Slant	5mm	Ant MIMO(7)	DSI 1	1	2412	Battery 1	Sample 10	19.42	20.50	1.282	97.07	1.03	0.11	0.424	0.560
	WLAN2.4GHz	802.11b 1Mbps	Back_Slant	5mm	Ant MIMO(6)	DSI 1	6	2437	Battery 1	Sample 10	19.48	20.50	1.265	97.07	1.03	-0.05	0.916	1.194
	WLAN2.4GHz	802.11b 1Mbps	Back_Slant	5mm	Ant MIMO(7)	DSI 1	6	2437	Battery 1	Sample 10	19.46	20.50	1.271	97.07	1.03	-0.18	0.482	0.631
	WLAN2.4GHz	802.11b 1Mbps	Back_Slant	5mm	Ant MIMO(6)	DSI 1	11	2462	Battery 2	Sample 10	20.02	20.50	1.117	97.07	1.03	0.17	1.010	1.162
	WLAN2.4GHz	802.11b 1Mbps	Back_Slant	5mm	Ant MIMO(7)	DSI 1	11	2462	Battery 2	Sample 10	20.11	20.50	1.094	97.07	1.03	-0.03	0.522	0.588
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	5mm	Ant MIMO(7)	DSI 1	50	5250	Battery 1	Sample 1	14.15	14.70	1.135	100.0	1.0	-0.11	0.068	0.077
106	WLAN5GHz	802.11ac-VHT160 MCS0	Back	5mm	Ant MIMO(7)	DSI 1	50	5250	Battery 1	Sample 1	14.15	14.70	1.135	100.0	1.0	-0.15	0.702	0.797
	WLAN5GHz	802.11ac-VHT160 MCS0	Back with Holster	0mm	Ant MIMO(7)	DSI 1	50	5250	Battery 1	Sample 1	14.15	14.70	1.135	100.0	1.0	-0.13	0.226	0.257
	WLAN5GHz	802.11ac-VHT160 MCS0	Back with Clip	0mm	Ant MIMO(7)	DSI 1	50	5250	Battery 1	Sample 1	14.15	14.70	1.135	100.0	1.0	0.14	0.336	0.381
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	5mm	Ant MIMO(7)	DSI 1	50	5250	Battery 1	Sample 3	14.15	14.70	1.135	100.0	1.0	-0.19	0.638	0.724
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	5mm	Ant MIMO(7)	DSI 1	50	5250	Battery 1	Sample 5	14.15	14.70	1.135	100.0	1.0	0.03	0.657	0.746
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	5mm	Ant MIMO(7)	DSI 1	50	5250	Battery 1	Sample 6	14.15	14.70	1.135	100.0	1.0	-0.04	0.652	0.740
	WLAN5GHz	802.11ac-VHT160 MCS0	Back_Slant	5mm	Ant MIMO(6)	DSI 1	50	5250	Battery 1	Sample 10	14.34	14.70	1.086	100.0	1.0	0.13	0.470	0.510
	WLAN5GHz	802.11ac-VHT160 MCS0	Back_Slant	5mm	Ant MIMO(7)	DSI 1	50	5250	Battery 1	Sample 10	14.15	14.70	1.135	100.0	1.0	-0.02	0.668	0.758
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	5mm	Ant MIMO(7)	DSI 1	50	5250	Battery 2	Sample 1	14.15	14.70	1.135	100.0	1.0	0.01	0.688	0.781
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	5mm	Ant MIMO(7)	DSI 1	114	5570	Battery 1	Sample 1	14.34	14.70	1.086	100.0	1.0	-0.02	0.122	0.132
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	5mm	Ant MIMO(7)	DSI 1	114	5570	Battery 1	Sample 1	14.34	14.70	1.086	100.0	1.0	0.07	0.762	0.828
	WLAN5GHz	802.11ac-VHT160 MCS0	Back with Holster	0mm	Ant MIMO(7)	DSI 1	114	5570	Battery 1	Sample 1	14.34	14.70	1.086	100.0	1.0	-0.10	0.232	0.252
	WLAN5GHz	802.11ac-VHT160 MCS0	Back with Clip	0mm	Ant MIMO(7)	DSI 1	114	5570	Battery 1	Sample 1	14.34	14.70	1.086	100.0	1.0	0.08	0.473	0.514
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	5mm	Ant MIMO(7)	DSI 1	114	5570	Battery 1	Sample 3	14.34	14.70	1.086	100.0	1.0	0.08	0.725	0.787
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	5mm	Ant MIMO(7)	DSI 1	114	5570	Battery 1	Sample 5	14.34	14.70	1.086	100.0	1.0	-0.00	0.758	0.823
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	5mm	Ant MIMO(7)	DSI 1	114	5570	Battery 1	Sample 6	14.34	14.70	1.086	100.0	1.0	-0.13	0.836	0.908
	WLAN5GHz	802.11ac-VHT160 MCS0	Back_Slant	5mm	Ant MIMO(6)	DSI 1	114	5570	Battery 1	Sample 10	14.49	14.70	1.05	100.0	1.0	0.15	0.736	0.773
107	WLAN5GHz	802.11ac-VHT160 MCS0	Back_Slant	5mm	Ant MIMO(7)	DSI 3	114	5570	Battery 1	Sample 10	14.34	14.70	1.086	100.0	1.0	-0.06	1.080	1.173
	WLAN5GHz	802.11ac-VHT80 MCS0	Back_Slant	5mm	Ant MIMO(6)	DSI 1	106	5530	Battery 1	Sample 10	13.91	14.70	1.199	100.0	1.0	0.11	0.633	0.759
	WLAN5GHz	802.11ac-VHT80 MCS0	Back_Slant	5mm	Ant MIMO(7)	DSI 3	106	5530	Battery 1	Sample 10	14.02	14.70	1.169	100.0	1.0	-0.11	0.956	1.118
	WLAN5GHz	802.11ac-VHT160 MCS0	Back_Slant	5mm	Ant MIMO(6)	DSI 1	114	5570	Battery 2	Sample 10	14.49	14.70	1.05	100.0	1.0	-0.06	0.729	0.765
	WLAN5GHz	802.11ac-VHT160 MCS0	Back_Slant	5mm	Ant MIMO(7)	DSI 1	114	5570	Battery 2	Sample 10	14.34	14.70	1.086	100.0	1.0	0.18	1.050	1.140
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant MIMO(7)	DSI 1	155	5775	Battery 1	Sample 1	13.04	14.70	1.466	100.0	1.0	-0.17	0.108	0.158
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant MIMO(7)	DSI 1	155	5775	Battery 1	Sample 1	13.04	14.70	1.466	100.0	1.0	-0.09	0.572	0.839
	WLAN5GHz	802.11ac-VHT80 MCS0	Back with Holster	0mm	Ant MIMO(7)	DSI 1	155	5775	Battery 1	Sample 1	13.04	14.70	1.466	100.0	1.0	0.12	0.128	0.188
	WLAN5GHz	802.11ac-VHT80 MCS0	Back with Clip	0mm	Ant MIMO(7)	DSI 1	155	5775	Battery 1	Sample 1	13.04	14.70	1.466	100.0	1.0	0.10	0.348	0.510
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant MIMO(7)	DSI 1	155	5775	Battery 1	Sample 3	13.04	14.70	1.466	100.0	1.0	-0.17	0.564	0.827
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant MIMO(7)	DSI 1	155	5775	Battery 1	Sample 5	13.04	14.70	1.466	100.0	1.0	-0.09	0.621	0.910
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant MIMO(7)	DSI 1	155	5775	Battery 1	Sample 6	13.04	14.70	1.466	100.0	1.0	0.08	0.624	0.915
108	WLAN5GHz	802.11ac-VHT80 MCS0	Back_Slant	5mm	Ant MIMO(6)	DSI 1	155	5775	Battery 1	Sample 10	13.67	14.70	1.268	100.0	1.0	-0.05	0.909	1.153
	WLAN5GHz	802.11ac-VHT80 MCS0	Back_Slant	5mm	Ant MIMO(7)	DSI 1	155	5775	Battery 1	Sample 10	13.04	14.70	1.466	100.0	1.0	0.12	0.776	1.138
	WLAN5GHz	802.11n-HT40 MCS0	Back_Slant	5mm	Ant MIMO(6)	DSI 1	151	5755	Battery 1	Sample 10	14.37	14.70	1.079</					



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	WLAN5GHz	802.11n-HT40 MCS0	Back_Slant	5mm	Ant MIMO(7)	DSI 1	151	5755	Battery 1	Sample 10	13.81	14.70	1.227	100.0	1.0	-0.06	0.871	1.069
	WLAN5GHz	802.11ac-VHT80 MCS0	Back_Slant	5mm	Ant MIMO(6)	DSI 1	155	5775	Battery 2	Sample 10	13.67	14.70	1.268	100.0	1.0	-0.16	0.879	1.115
	WLAN5GHz	802.11ac-VHT80 MCS0	Back_Slant	5mm	Ant MIMO(7)	DSI 1	155	5775	Battery 2	Sample 10	13.04	14.70	1.466	100.0	1.0	0.04	0.751	1.101

【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	802.11be-EHT320 MCS0	Front	5mm	Ant MIMO(7)	DSI 1	127	6585	Battery 1	Sample 1	12.23	13.10	1.222	99.63	1.004	0.13	0.078	0.096	0.640	0.785
	WLAN6GHz	802.11be-EHT320 MCS0	Back	5mm	Ant MIMO(7)	DSI 1	127	6585	Battery 1	Sample 1	12.23	13.10	1.222	99.63	1.004	-0.05	0.418	0.513	2.910	3.570
	WLAN6GHz	802.11be-EHT320 MCS0	Back	5mm	Ant MIMO(7)	DSI 1	31	6105	Battery 1	Sample 1	11.76	13.10	1.361	99.63	1.004	-0.12	0.372	0.508	2.630	3.594
	WLAN6GHz	802.11be-EHT320 MCS0	Back	5mm	Ant MIMO(7)	DSI 1	63	6265	Battery 1	Sample 1	12.22	13.10	1.225	99.63	1.004	-0.10	0.376	0.462	2.610	3.210
	WLAN6GHz	802.11be-EHT320 MCS0	Back	5mm	Ant MIMO(7)	DSI 1	95	6425	Battery 1	Sample 1	12.05	13.10	1.274	99.63	1.004	-0.00	0.348	0.445	2.590	3.313
	WLAN6GHz	802.11be-EHT320 MCS0	Back	5mm	Ant MIMO(7)	DSI 1	159	6745	Battery 1	Sample 1	12.06	13.10	1.271	99.63	1.004	0.09	0.386	0.493	2.690	3.433
	WLAN6GHz	802.11be-EHT320 MCS0	Back	5mm	Ant MIMO(7)	DSI 1	191	6905	Battery 1	Sample 1	11.71	13.10	1.377	99.63	1.004	0.02	0.308	0.426	2.170	3.000
	WLAN6GHz	802.11be-EHT320 MCS0	Back with Holster	0mm	Ant MIMO(7)	DSI 1	127	6585	Battery 1	Sample 1	12.23	13.10	1.222	99.63	1.004	0.13	0.076	0.093	0.637	0.782
	WLAN6GHz	802.11be-EHT320 MCS0	Back with Clip	0mm	Ant MIMO(7)	DSI 1	127	6585	Battery 1	Sample 1	12.23	13.10	1.222	99.63	1.004	0.09	0.171	0.210	1.520	1.865
	WLAN6GHz	802.11be-EHT320 MCS0	Back	5mm	Ant MIMO(7)	DSI 1	127	6585	Battery 1	Sample 3	12.23	13.10	1.222	99.63	1.004	-0.05	0.411	0.504	2.780	3.411
	WLAN6GHz	802.11be-EHT320 MCS0	Back	5mm	Ant MIMO(7)	DSI 1	127	6585	Battery 1	Sample 5	12.23	13.10	1.222	99.63	1.004	0.06	0.414	0.508	2.850	3.497
	WLAN6GHz	802.11be-EHT320 MCS0	Back	5mm	Ant MIMO(7)	DSI 1	127	6585	Battery 1	Sample 6	12.23	13.10	1.222	99.63	1.004	-0.01	0.425	0.521	3.040	3.730
109	WLAN6GHz	802.11be-EHT320 MCS0	Back_Slant	5mm	Ant MIMO(6)	DSI 1	127	6585	Battery 1	Sample 10	12.79	13.10	1.074	99.63	1.004	-0.11	0.488	0.526	3.460	3.731
	WLAN6GHz	802.11be-EHT320 MCS0	Back_Slant	5mm	Ant MIMO(7)	DSI 1	127	6585	Battery 1	Sample 10	12.23	13.10	1.222	99.63	1.004	-0.11	0.384	0.471	3.010	3.693
	WLAN6GHz	802.11be-EHT320 MCS0	Back_Slant	5mm	Ant MIMO(6)	DSI 1	127	6585	Battery 2	Sample 10	12.79	13.10	1.074	99.63	1.004	0.14	0.469	0.506	3.150	3.397
	WLAN6GHz	802.11be-EHT320 MCS0	Back_Slant	5mm	Ant MIMO(7)	DSI 1	127	6585	Battery 2	Sample 10	12.23	13.10	1.222	99.63	1.004	-0.08	0.355	0.436	2.690	3.300

【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	5mm	Ant 6	DSI 1	78	2480	Battery 1	Sample 1	6.41	7.00	1.146	77.07	1.081	-0.02	0.001	0.001
110	Bluetooth	1Mbps	Back	5mm	Ant 6	DSI 1	78	2480	Battery 1	Sample 1	6.41	7.00	1.146	77.07	1.081	0.03	0.039	0.048
	Bluetooth	1Mbps	Back with Holster	0mm	Ant 6	DSI 1	78	2480	Battery 1	Sample 1	6.41	7.00	1.146	77.07	1.081	0.08	0.001	0.001
	Bluetooth	1Mbps	Back with Clip	0mm	Ant 6	DSI 1	78	2480	Battery 1	Sample 1	6.41	7.00	1.146	77.07	1.081	0.01	0.001	0.001
	Bluetooth	1Mbps	Back	5mm	Ant 6	DSI 1	78	2480	Battery 1	Sample 3	6.41	7.00	1.146	77.07	1.081	-0.15	0.032	0.040
	Bluetooth	1Mbps	Back	5mm	Ant 6	DSI 1	78	2480	Battery 1	Sample 5	6.41	7.00	1.146	77.07	1.081	-0.05	0.031	0.038
	Bluetooth	1Mbps	Back	5mm	Ant 6	DSI 1	78	2480	Battery 1	Sample 6	6.41	7.00	1.146	77.07	1.081	0.01	0.035	0.043
	Bluetooth	1Mbps	Back_Slant	5mm	Ant 6	DSI 1	78	2480	Battery 1	Sample 10	6.41	7.00	1.146	77.07	1.081	-0.16	0.032	0.040
	Bluetooth	1Mbps	Back	5mm	Ant 6	DSI 1	78	2480	Battery 2	Sample 1	6.41	7.00	1.146	77.07	1.081	0.11	0.033	0.041
	Bluetooth	1Mbps	Front	5mm	Ant 7	DSI 1	0	2402	Battery 1	Sample 1	6.41	7.00	1.146	76.93	1.083	-0.05	0.001	0.001
	Bluetooth	1Mbps	Back	5mm	Ant 7	DSI 1	0	2402	Battery 1	Sample 1	6.41	7.00	1.146	76.93	1.083	-0.14	0.039	0.048
	Bluetooth	1Mbps	Back with Holster	0mm	Ant 7	DSI 1	0	2402	Battery 1	Sample 1	6.41	7.00	1.146	76.93	1.083	0.13	0.001	0.001
	Bluetooth	1Mbps	Back with Clip	0mm	Ant 7	DSI 1	0	2402	Battery 1	Sample 1	6.41	7.00	1.146	76.93	1.083	0.14	0.001	0.001
	Bluetooth	1Mbps	Back	5mm	Ant 7	DSI 1	0	2402	Battery 1	Sample 3	6.41	7.00	1.146	76.93	1.083	-0.13	0.030	0.037
	Bluetooth	1Mbps	Back	5mm	Ant 7	DSI 1	0	2402	Battery 1	Sample 5	6.41	7.00	1.146	76.93	1.083	-0.04	0.034	0.042
	Bluetooth	1Mbps	Back	5mm	Ant 7	DSI 1	0	2402	Battery 1	Sample 6	6.41	7.00	1.146	76.93	1.083	0.15	0.036	0.045
	Bluetooth	1Mbps	Back_Slant	5mm	Ant 7	DSI 1	0	2402	Battery 1	Sample 10	6.41	7.00	1.146	76.93	1.083	0.08	0.017	0.021
	Bluetooth	1Mbps	Back	5mm	Ant 7	DSI 1	0	2402	Battery 2	Sample 1	6.41	7.00	1.146	76.93	1.083	0.11	0.035	0.043

**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)
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant MIMO(7)	DSI 1	50	5250	Battery 1	Sample 1	14.15	14.70	1.135	100.0	1.0	0.16	0.049	0.056
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant MIMO(7)	DSI 1	50	5250	Battery 1	Sample 1	14.15	14.70	1.135	100.0	1.0	0.15	0.404	0.459
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Edge	0mm	Ant MIMO(7)	DSI 1	50	5250	Battery 1	Sample 1	14.15	14.70	1.135	100.0	1.0	0.04	0.233	0.264
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant MIMO(7)	DSI 1	50	5250	Battery 1	Sample 1	14.15	14.70	1.135	100.0	1.0	0.17	0.140	0.159
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Edge	0mm	Ant MIMO(7)	DSI 1	50	5250	Battery 1	Sample 1	14.15	14.70	1.135	100.0	1.0	0.01	0.024	0.027
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Edge	0mm	Ant MIMO(7)	DSI 1	50	5250	Battery 1	Sample 1	14.15	14.70	1.135	100.0	1.0	0.12	0.006	0.007
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant MIMO(7)	DSI 1	50	5250	Battery 1	Sample 3	14.15	14.70	1.135	100.0	1.0	-0.02	0.373	0.423
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant MIMO(7)	DSI 1	50	5250	Battery 1	Sample 5	14.15	14.70	1.135	100.0	1.0	-0.11	0.426	0.484
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant MIMO(7)	DSI 1	50	5250	Battery 1	Sample 6	14.15	14.70	1.135	100.0	1.0	0.16	0.409	0.464
	WLAN5GHz	802.11ac-VHT160 MCS0	Back_Slant	0mm	Ant MIMO(6)	DSI 1	50	5250	Battery 1	Sample 1	14.34	14.70	1.086	100.0	1.0	-0.11	0.280	0.304
111	WLAN5GHz	802.11ac-VHT160 MCS0	Back_Slant	0mm	Ant MIMO(7)	DSI 3	50	5250	Battery 1	Sample 10	14.15	14.70	1.135	100.0	1.0	-0.08	0.504	0.572
	WLAN5GHz	802.11ac-VHT160 MCS0	Back_Slant	0mm	Ant MIMO(6)	DSI 1	50	5250	Battery 2	Sample 10	14.34	14.70	1.086	100.0	1.0	0.16	0.266	0.289
	WLAN5GHz	802.11ac-VHT160 MCS0	Back_Slant	0mm	Ant MIMO(7)	DSI 1	50	5250	Battery 2	Sample 10	14.15	14.70	1.135	100.0	1.0	0.09	0.489	0.555
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant MIMO(7)	DSI 1	114	5570	Battery 1	Sample 1	14.34	14.70	1.086	100.0	1.0	-0.14	0.065	0.071
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant MIMO(7)	DSI 1	114	5570	Battery 1	Sample 1	14.34	14.70	1.086	100.0	1.0	-0.10	0.426	0.463
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Edge	0mm	Ant MIMO(7)	DSI 1	114	5570	Battery 1	Sample 1	14.34	14.70	1.086	100.0	1.0	-0.15	0.277	0.301
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant MIMO(7)	DSI 1	114	5570	Battery 1	Sample 1	14.34	14.70	1.086	100.0	1.0	-0.13	0.249	0.270
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Edge	0mm	Ant MIMO(7)	DSI 1	114	5570	Battery 1	Sample 1	14.34	14.70	1.086	100.0	1.0	0.02	0.038	0.041
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Edge	0mm	Ant MIMO(7)	DSI 1	114	5570	Battery 1	Sample 1	14.34	14.70	1.086	100.0	1.0	0.04	0.008	0.009
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant MIMO(7)	DSI 1	114	5570	Battery 1	Sample 3	14.34	14.70	1.086	100.0	1.0	-0.14	0.409	0.444
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant MIMO(7)	DSI 1	114	5570	Battery 1	Sample 5	14.34	14.70	1.086	100.0	1.0	-0.16	0.446	0.484
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant MIMO(7)	DSI 1	114	5570	Battery 1	Sample 6	14.34	14.70	1.086	100.0	1.0	0.06	0.412	0.447
	WLAN5GHz	802.11ac-VHT160 MCS0	Back_Slant	0mm	Ant MIMO(6)	DSI 1	114	5570	Battery 1	Sample 10	14.49	14.70	1.05	100.0	1.0	-0.05	0.639	0.671
112	WLAN5GHz	802.11ac-VHT160 MCS0	Back_Slant	0mm	Ant MIMO(7)	DSI 3	114	5570	Battery 1	Sample 10	14.34	14.70	1.086	100.0	1.0	0.12	0.662	0.719
	WLAN5GHz	802.11ac-VHT160 MCS0	Back_Slant	0mm	Ant MIMO(6)	DSI 1	114	5570	Battery 2	Sample 10	14.49	14.70	1.05	100.0	1.0	-0.06	0.626	0.657
	WLAN5GHz	802.11ac-VHT160 MCS0	Back_Slant	0mm	Ant MIMO(7)	DSI 1	114	5570	Battery 2	Sample 10	14.34	14.70	1.086	100.0	1.0	0.01	0.653	0.709

【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	802.11be-EHT320 MCS0	Front	0mm	Ant MIMO(7)	DSI 1	127	6585	Battery 1	Sample 1	12.23	13.10	1.222	99.63	1.004	-0.01	0.092	0.113	2.130	2.613
	WLAN6GHz	802.11be-EHT320 MCS0	Back	0mm	Ant MIMO(7)	DSI 1	127	6585	Battery 1	Sample 1	12.23	13.10	1.222	99.63	1.004	0.17	0.404	0.496	9.450	11.594
	WLAN6GHz	802.11be-EHT320 MCS0	Left Edge	0mm	Ant MIMO(7)	DSI 1	127	6585	Battery 1	Sample 1	12.23	13.10	1.222	99.63	1.004	-0.10	0.391	0.480	9.030	11.079
	WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	0mm	Ant MIMO(7)	DSI 1	127	6585	Battery 1	Sample 1	12.23	13.10	1.222	99.63	1.004	0.09	0.437	0.536	10.350	12.698
	WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	0mm	Ant MIMO(7)	DSI 1	31	6105	Battery 1	Sample 1	11.76	13.10	1.361	99.63	1.004	0.05	0.234	0.320	5.470	7.474
	WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	0mm	Ant MIMO(7)	DSI 1	63	6265	Battery 1	Sample 1	12.22	13.10	1.225	99.63	1.004	-0.09	0.229	0.282	5.330	6.555
	WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	0mm	Ant MIMO(7)	DSI 1	95	6425	Battery 1	Sample 1	12.05	13.10	1.274	99.63	1.004	-0.14	0.293	0.375	6.820	8.723
	WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	0mm	Ant MIMO(7)	DSI 1	159	6745	Battery 1	Sample 1	12.06	13.10	1.271	99.63	1.004	0.11	0.416	0.531	9.810	12.518
	WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	0mm	Ant MIMO(7)	DSI 1	191	6905	Battery 1	Sample 1	11.71	13.10	1.377	99.63	1.004	-0.00	0.387	0.535	9.100	12.581
	WLAN6GHz	802.11be-EHT320 MCS0	Top Edge	0mm	Ant MIMO(7)	DSI 1	127	6585	Battery 1	Sample 1	12.23	13.10	1.222	99.63	1.004	0.03	0.028	0.034	0.666	0.817
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Edge	0mm	Ant MIMO(7)	DSI 1	127	6585	Battery 1	Sample 1	12.23	13.10	1.222	99.63	1.004	0.01	0.016	0.020	0.378	0.464
	WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	0mm	Ant MIMO(7)	DSI 1	127	6585	Battery 1	Sample 3	12.23	13.10	1.222	99.63	1.004	0.05	0.454	0.557	10.620	13.030
	WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	0mm	Ant MIMO(7)	DSI 1	127	6585	Battery 1	Sample 5	12.23	13.10	1.222	99.63	1.004	-0.07	0.459	0.563	10.900	13.373
	WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	0mm	Ant MIMO(7)	DSI 1	127	6585	Battery 1	Sample 6	12.23	13.10	1.222	99.63	1.004	0.12	0.416	0.510	9.850	12.085
113	WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	0mm	Ant MIMO(7)	DSI 1	127	6585	Battery 1	Sample 10	12.23	13.10	1.222	99.63	1.004	-0.18	0.476	0.584	11.400	13.987
	WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	0mm	Ant MIMO(7)	DSI 1	127	6585	Battery 2	Sample 10	12.23	13.10	1.222	99.63	1.004	0.09	0.458	0.562	10.800	13.250
	WLAN6GHz	802.11a 6Mbps	Right Edge	25mm	Ant MIMO(7)	DSI 0	57	6235	Battery 1	Sample 10	19.68	20.00	1.076	99.63	1.004	0.19	0.105	0.113	2.460	2.658

【NFC SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Freq. (MHz)	Battery	Sample	Power Drift (dB)	Measured 10g SAR (W/kg)
	NFC	ASK	Front	0mm	NFC	13.56	Battery 1	Sample 1	0.00	0.001
114	NFC	ASK	Back	0mm	NFC	13.56	Battery 1	Sample 1	-0.04	0.118
	NFC	ASK	Left Edge	0mm	NFC	13.56	Battery 1	Sample 1	0.00	0.001
	NFC	ASK	Right Edge	0mm	NFC	13.56	Battery 1	Sample 1	0.00	0.001
	NFC	ASK	Top Edge	0mm	NFC	13.56	Battery 1	Sample 1	0.00	0.001
	NFC	ASK	Bottom Edge	0mm	NFC	13.56	Battery 1	Sample 1	0.00	0.001
	NFC	ASK	Back	0mm	NFC	13.56	Battery 1	Sample 3	0.12	0.108
	NFC	ASK	Back	0mm	NFC	13.56	Battery 1	Sample 5	-0.19	0.113
	NFC	ASK	Back	0mm	NFC	13.56	Battery 1	Sample 6	-0.05	0.109
	NFC	ASK	Back	0mm	NFC	13.56	Battery 1	Sample 10	0.14	0.112
	NFC	ASK	Back	0mm	NFC	13.56	Battery 2	Sample 1	0.05	0.115

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	802.11be-EHT320 MCS0	Right Edge	2mm	Ant MIMO(6)	Sample 10	31	6105	12.00	0.0625	2.27	-0.75337907	1.77	2.82
WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	9.83mm	Ant MIMO(6)	Sample 10	31	6105	12.00	0.25	2.7		1.07	1.15
WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	2mm	Ant MIMO(6)	Sample 10	191	6905	12.00	0.0625	3.56	0.757788096	3.68	4.08
WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	8.69mm	Ant MIMO(6)	Sample 10	191	6905	12.00	0.25	2.99		1.96	2.13

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	802.11be-EHT320 MCS0	Front	2mm	Ant MIMO(6)	Sample 10	63	6265	16.54	17.50	1.247	99.63	1.004	0.0625	1.5535	0.14	2.87	5.58	3.77	7.33
115	WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	2mm	Ant MIMO(7)	Sample 10	127	6585	12.23	13.10	1.222	99.63	1.004	0.0625	1.5535	-0.13	3.46	6.59	3.86	7.36

14.6 Repeated SAR Measurement

【Repeat SAR 1g - FCC】

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	LTE Band 14	10M_QPSK_1_0	Back	5.0	Ant 8	DSI 1	23330	793	Sample 5	Battery 1	23.71	24.50	1.199			0.01	0.841	1.008	-
2nd	LTE Band 14	10M_QPSK_1_0	Back	5.0	Ant 8	DSI 1	23330	793	Sample 5	Battery 1	23.71	24.50	1.199			0.06	0.829	0.994	1.01
1st	WCDMA V	RMC 12.2Kbps	Back	5.0	Ant 8	DSI 1	4182	836.4	Sample 3	Battery 1	23.42	24.00	1.143			-0.03	1.020	1.166	-
2nd	WCDMA V	RMC 12.2Kbps	Back	5.0	Ant 8	DSI 1	4182	836.4	Sample 3	Battery 1	23.42	24.00	1.143			0.05	0.995	1.137	1.03
1st	LTE Band 106	3M_QPSK_1_0	Right Cheek	0.0	Ant 8	DSI 2	134322	899	Sample 10	Battery 1	21.72	22.20	1.117			0.08	1.050	1.173	-
2nd	LTE Band 106	3M_QPSK_1_0	Right Cheek	0.0	Ant 8	DSI 2	134322	899	Sample 10	Battery 1	21.72	22.20	1.117			-0.13	1.000	1.117	1.05
1st	LTE Band 66	20M_QPSK_1_0	Back_Slant	5.0	Ant 1	DSI 1	132072	1720	Sample 10	Battery 1	20.60	20.80	1.047			0.01	1.100	1.152	-
2nd	LTE Band 66	20M_QPSK_1_0	Back_Slant	5.0	Ant 1	DSI 1	132072	1720	Sample 10	Battery 1	20.60	20.80	1.047			-0.14	1.060	1.110	1.04
1st	LTE Band 25	20M_QPSK_1_0	Back_Slant	5.0	Ant 1	DSI 1	26140	1860	Sample 10	Battery 1	22.04	22.20	1.038			-0.01	1.120	1.163	-
2nd	LTE Band 25	20M_QPSK_1_0	Back_Slant	5.0	Ant 1	DSI 1	26140	1860	Sample 10	Battery 1	22.04	22.20	1.038			0.09	1.060	1.100	1.06
1st	LTE Band 30	10M_QPSK_1_0	Back	5.0	Ant 8	DSI 1	27710	2310	Sample 6	Battery 1	23.43	23.50	1.016			-0.07	1.150	1.168	-
2nd	LTE Band 30	10M_QPSK_1_0	Back	5.0	Ant 8	DSI 1	27710	2310	Sample 6	Battery 1	23.43	23.50	1.016			-0.05	1.090	1.107	1.06
1st	WLAN2.4GHz	802.11b 1Mbps	Back_Slant	5.0	Ant MIMO(6)	DSI 1	11	2462	Sample 10	Battery 1	20.02	20.50	1.117	97.07	1.03	0.00	1.040	1.197	-
2nd	WLAN2.4GHz	802.11b 1Mbps	Back_Slant	5.0	Ant MIMO(6)	DSI 3	11	2462	Sample 10	Battery 1	20.02	20.50	1.117	97.07	1.03	-0.13	1.010	1.162	1.03
1st	FR1 n7	50M_BPSK_1_1	Right Cheek	0.0	Ant 8	DSI 2	507000	2535	Sample 5	Battery 1	22.15	22.40	1.059			0.05	1.130	1.197	-
2nd	FR1 n7	50M_BPSK_1_1	Right Cheek	0.0	Ant 8	DSI 2	507000	2535	Sample 5	Battery 1	22.15	22.40	1.059			0.04	1.100	1.165	1.03
1st	FR1 n77	100M_BPSK_1_1	Back	5.0	Ant 3	DSI 1	656000	3840	Sample 3	Battery 1	15.28	15.70	1.102			0.14	1.070	1.179	-
2nd	FR1 n77	100M_BPSK_1_1	Back	5.0	Ant 3	DSI 1	656000	3840	Sample 3	Battery 1	15.28	15.70	1.102			0.16	1.030	1.135	1.04
1st	WLAN5GHz	802.11ac-VHT160 MCS0	Back_Slant	5.0	Ant MIMO(7)	DSI 3	114	5570	Sample 10	Battery 1	14.34	14.70	1.086			-0.06	1.080	1.173	-
2nd	WLAN5GHz	802.11ac-VHT160 MCS0	Back_Slant	5.0	Ant MIMO(7)	DSI 3	114	5570	Sample 10	Battery 1	14.34	14.70	1.086			0.05	1.020	1.108	1.06
1st	WLAN5GHz	802.11a 6Mbps	Right Cheek	0.0	Ant MIMO(7)	DSI 2	165	5825	Sample 10	Battery 1	19.48	20.00	1.127	99.1	1.009	-0.06	1.050	1.194	-
2nd	WLAN5GHz	802.11a 6Mbps	Right Cheek	0.0	Ant MIMO(7)	DSI 4	165	5825	Sample 10	Battery 1	19.48	20.00	1.127	99.1	1.009	0.14	1.000	1.137	1.05

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 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】

LTE Band 41 (2496~2690MHz)_Ant 8	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	23.0	24.6
Reported 1g SAR (W/kg)	1.147	1.072
Duty Cycle (%)	63.3 %	43.3 %
Frame Averaged (mW)	126.3	124.88
Linearity SAR (W/kg)	1.13	
% deviation from Expected Linearity		-5.47 %

LTE Band 41 (2496~2690MHz)_Ant 5	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	23.0	25.0
Reported 1g SAR (W/kg)	0.059	0.058
Duty Cycle (%)	63.3 %	43.3 %
Frame Averaged (mW)	126.3	136.93
Linearity SAR (W/kg)	0.06	
% deviation from Expected Linearity		-8.87 %

FR1 n41_Ant 8	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	21.7	24.7
Reported 1g SAR (W/kg)	1.154	1.112
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	147.91	147.56
Linearity SAR (W/kg)	1.15	
% deviation from Expected Linearity		-3.44 %

FR1 n41_Ant 5	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	23.0	25.0
Reported 1g SAR (W/kg)	0.054	0.046
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	199.53	158.11
Linearity SAR (W/kg)	0.04	
% deviation from Expected Linearity		6.55 %

FR1 n77 (27Q)_Ant 8	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	21.7	24.7
Reported 1g SAR (W/kg)	1.139	1.046
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	147.91	147.56
Linearity SAR (W/kg)	1.14	
% deviation from Expected Linearity		-7.92 %

FR1 n77 (27Q)_Ant 9	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	18.6	21.6
Reported 1g SAR (W/kg)	1.158	1.079
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (mW)	72.44	72.27
Linearity SAR (W/kg)	1.15	
% deviation from Expected Linearity		-6.59 %

FR1 n77 (270)_Ant 8	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	21.7	24.7
Reported 1g SAR (W/kg)	0.445	0.401
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (m/W)	147.91	147.56
Linearity SAR (W/kg)	0.44	
% deviation from Expected Linearity		-9.62 %

FR1 n77 (270)_Ant 9	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	18.6	21.6
Reported 1g SAR (W/kg)	0.884	0.823
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (m/W)	72.44	72.27
Linearity SAR (W/kg)	0.88	
% deviation from Expected Linearity		-6.66 %

【Hotspot】

LTE Band 41 (2496~2690MHz)_Ant 8	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	23.2	24.8
Reported 1g SAR (W/kg)	0.412	0.402
Duty Cycle (%)	63.3 %	43.3 %
Frame Averaged (m/W)	132.25	130.76
Linearity SAR (W/kg)	0.41	
% deviation from Expected Linearity		-1.40 %

LTE Band 41 (2496~2690MHz)_Ant 5	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	20.8	22.4
Reported 1g SAR (W/kg)	0.241	0.218
Duty Cycle (%)	63.3 %	43.3 %
Frame Averaged (m/W)	76.1	75.25
Linearity SAR (W/kg)	0.24	
% deviation from Expected Linearity		-8.46 %

FR1 n41_Ant 8	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	21.7	24.7
Reported 1g SAR (W/kg)	0.500	0.451
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (m/W)	147.91	147.56
Linearity SAR (W/kg)	0.50	
% deviation from Expected Linearity		-9.59 %

FR1 n41_Ant 5	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	18.8	21.8
Reported 1g SAR (W/kg)	0.230	0.243
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (m/W)	75.86	75.68
Linearity SAR (W/kg)	0.23	
% deviation from Expected Linearity		5.90 %

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)	0.520	0.473
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (m/W)	61.66	61.51
Linearity SAR (W/kg)	0.52	
% deviation from Expected Linearity		-8.82 %

FR1 n77 (27Q) _Ant 9	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	21.7	24.7
Reported 1g SAR (W/kg)	0.679	0.636
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (m/W)	147.91	147.56
Linearity SAR (W/kg)	0.68	
% deviation from Expected Linearity		-6.11 %

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)	0.373	0.345
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (m/W)	61.66	61.51
Linearity SAR (W/kg)	0.37	
% deviation from Expected Linearity		-7.28 %

FR1 n77 (27Q) _Ant 9	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	21.7	24.7
Reported 1g SAR (W/kg)	0.567	0.535
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (m/W)	147.91	147.56
Linearity SAR (W/kg)	0.57	
% deviation from Expected Linearity		-5.42 %

【 Body_worn 】

LTE Band 41 (2496~2690MHz) _Ant 8	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	23.2	24.8
Reported 1g SAR (W/kg)	1.170	1.118
Duty Cycle (%)	63.3 %	43.3 %
Frame Averaged (m/W)	132.25	130.76
Linearity SAR (W/kg)	1.16	
% deviation from Expected Linearity		-3.36 %

LTE Band 41 (2496~2690MHz) _Ant 5	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	20.8	22.4
Reported 1g SAR (W/kg)	1.155	1.049
Duty Cycle (%)	63.3 %	43.3 %
Frame Averaged (m/W)	76.1	75.25
Linearity SAR (W/kg)	1.14	
% deviation from Expected Linearity		-8.15 %

FR1 n41 _Ant 8	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	21.7	24.7
Reported 1g SAR (W/kg)	1.161	1.100
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (m/W)	147.91	147.56
Linearity SAR (W/kg)	1.16	
% deviation from Expected Linearity		-5.03 %

FR1 n41 _Ant 5	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	18.8	21.8
Reported 1g SAR (W/kg)	1.109	1.095
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (m/W)	75.86	75.68
Linearity SAR (W/kg)	1.11	
% deviation from Expected Linearity		-1.03 %

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)	1.163	1.070
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (m/W)	61.66	61.51
Linearity SAR (W/kg)	1.16	
% deviation from Expected Linearity		-7.77 %

FR1 n77 (27Q)_Ant 9	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	21.7	24.7
Reported 1g SAR (W/kg)	1.188	1.120
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (m/W)	147.91	147.56
Linearity SAR (W/kg)	1.19	
% deviation from Expected Linearity		-5.50 %

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)	0.564	0.528
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (m/W)	61.66	61.51
Linearity SAR (W/kg)	0.56	
% deviation from Expected Linearity		-6.15 %

FR1 n77 (27Q)_Ant 9	Power Class 3	Power Class 2
Max Tune Up Power (dBm)	21.7	24.7
Reported 1g SAR (W/kg)	1.101	0.999
Duty Cycle (%)	100.0 %	50.0 %
Frame Averaged (m/W)	147.91	147.56
Linearity SAR (W/kg)	1.10	
% deviation from Expected Linearity		-9.05 %

15. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Hotspot	Body-worn	Product Specific
6.	WWAN + WLAN2.4GHz+NFC	Yes	Yes	Yes	Yes
7.	WWAN + WLAN5GHz+ Bluetooth+NFC	Yes	Yes	Yes	Yes
8.	WWAN + WLAN6GHz+ Bluetooth+NFC	Yes	Yes	Yes	Yes
9.	WWAN + WLAN2.4GHz+ WLAN5GHz+NFC	Yes	Yes	Yes	Yes
10.	WWAN + WLAN2.4GHz+ WLAN6GHz+NFC	Yes	Yes	Yes	Yes
23.	WWAN + WLAN5GHz+ WLAN6GHz + Bluetooth	Yes	Yes	Yes	Yes
24.	WWAN + WLAN5GHz+ WLAN6GHz	Yes	Yes	Yes	Yes
25.	WLAN5GHz+ WLAN6GHz	Yes	Yes	Yes	Yes

General Note:

- The equipment under test (EUT) contains the Qualcomm modems supporting 2G/3G/4G/5G technologies and WLAN/BT technologies. These modems are always enabled with Qualcomm Smart Transmit feature to control and manage transmitting power in real time and to ensure the time-averaged RF exposure follows the FCC requirement. Smart Transmit algorithm controls the total RF exposure from all WWAN/WLAN/BT to not exceed FCC limit and each antenna group has controlled the total RF exposure from all transmitter to not exceed FCC limit. Therefore, in Part.1 report, it is evaluated whether the sum of the groups of each antenna does not exceed FCC limit or spatial separation is applied. In addition, each antenna needs to satisfy simultaneous transmission analysis with External radios (NFC) in this report at extremity exposure condition.
- The device 2.4GHz support hotspot operation via 5/6GHz receive signal.
- 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 1.6W/kg.
 - $SPLSR = (SAR1 + SAR2)^{1.5} / (\min. \text{ separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - If $SPLSR \leq 0.04$, simultaneously transmission SAR measurement is not necessary.
 - Simultaneously transmission SAR measurement, and the reported multi-band SAR < 1.6W/kg.

**<Qualcomm Smart Transmit Simultaneous Transmission Guidance>**

Based on Qualcomm Smart Transmit simultaneous transmission analysis guidance, If all radios are selected to be under Smart Transmit control in EFS version 19 (or higher), then RF exposure from radios are managed by Smart Transmit in the same way. No additional TER analysis is needed

Smart Transmit current implementation assumes hotspots from all active radios are collocated. Therefore, for a total of 100% exposure margin, if primary radio uses x%, then the exposure margin left for secondary radio(s) is capped to (100-x)%. Thus, the compliance equation for simultaneous active radios, such as follow,

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

where, A is normalized time-averaged SAR exposure corresponding to “maximum of {minimum [EFS Plimit + device uncertainty; NV setting Pmax + device uncertainty]; EFS Plimit}” from primary radio, and $A \leq 1.0$; B for secondary radio(s) is

(for legacy radio or sub6 NR): normalized time-averaged SAR exposure corresponding to “maximum of {minimum [EFS Plimit + device uncertainty; NV setting Pmax + device uncertainty]; EFS Plimit } ”

and $B \leq 1.0$. As can be seen, A and B by definition is the exposure corresponding to “maximum of {minimum [EFS Plimit + device uncertainty; NV setting Pmax + device uncertainty]; EFS Plimit}”, and it is NOT defined as reported exposure

The total RF exposure in this simultaneous transmission scenario is controlled and managed within Smart Transmit operation, and the compliance is demonstrated in Part 2 test.

This device supports two sub6 AG: AG0 and AG1, the detailed please refer to the below table:

Antenna Group 0 (AG0)	WWAN Ant 8, 1, 9, 4, 3, WLAN/BT Ant 6, 7,
Antenna Group 1 (AG1)	WWAN Ant 5, 4, 3, WLAN/BT Ant 6, 7,

Note: Ant 3, 4, 6, 7 as shared antennas (sAnt) among AG0 and AG1.

The conditions are verified through the following criterias:

i) (SAR1 + SAR2 criteria): If SPLSR criteria is not used, then the highest reported SAR at *Plimit* for each antenna should be obtained out of all supported technologies and frequency bands for each DSI. Demonstrate that the sum of reported SAR of one antenna from each of the sub6 AGs and the sum of RF exposure from all supported radios outside of Smart Transmit should be less than the regulatory limit as given below for each DSI.

1. Obtain the worst-case reported SAR for each antenna group (i.e., maximum *reported* SAR at *Plimit* out of all supported technologies, frequency bands and antennas in AG0 and AG1), denoted as max.SAR.AG0 and max.SAR.AG1, and obtain the worst-case RF exposure for each external radio, and demonstrate that the sum of these RF exposures meets: $[\text{max.SAR.AG0} + \text{max.SAR.AG1}] \leq 1.6$ (for 1g, or 4.0 for 10g).

ii) (SPLSR criteria): For each antenna, obtain the highest reported SAR value at *Plimit* out of all supported technologies for each frequency band. Using these values, demonstrate for a given DSI that every antenna from one sub6 AG meets SPLSR criteria with every antenna in another sub6 AG for all frequency bands. These criteria must be demonstrated for all antenna pair combinations irrespective of supported simultaneous transmission scenarios as given below for each DSI:

- SPLSR criteria should be met for all antenna pair combinations of AG0 and AG1. As it can be seen, these include all combinations of antenna groups, antennas, and frequency bands.
- Obtain combined SAR per AG: Obtain the worst-case conservative combined SAR and its peak location for each AG.
- Use the ‘closest’ peak location out of all antennas of AGj to evaluate SPLSR with other AGs in the configuration. Note, by ‘closest’, select the peak location out of all antennas (€ AGj) that is closest to the peak location of other AG where SPLSR is evaluated.

iii) (combination of SPLSR & SAR1+SAR2 criteria): If SPLSR criteria for all the combinations of sub6 antenna groups in (i) is demonstrated to show that each AG is mutually exclusive from other AGs, and if the other transmit antennas supported outside of Smart Transmit do not meet SPLSR criteria, then the condition in (ii) reduces to: $\{\text{max.SAR.AG0} + \text{worst-case reported SAR}\} \leq 1.6$ and $\{\text{max.SAR.AG1} + \text{worst-case reported SAR}\} \leq 1.6$ for compliance demonstration (for 1g, or 4.0 for 10g).



15.1 Head Exposure Conditions

WWAN1		WWAN2		Exposure Position	1	2	1+2 Summed 1g SAR (W/kg)
					WWAN1	WWAN2	
					1g SAR (W/kg)	1g SAR (W/kg)	
Max WWAN	Ant 5	Max WWAN	Ant 8	Right Cheek at 0mm	0.313	1.197	1.510
				Right Tilted at 0mm	0.179	0.695	0.874
				Left Cheek at 0mm	0.218	0.624	0.842
				Left Tilted at 0mm	0.150	0.563	0.713
Max WWAN	Ant 5	Max WWAN	Ant 1	Right Cheek at 0mm	0.313	1.195	1.508
				Right Tilted at 0mm	0.179	0.573	0.752
				Left Cheek at 0mm	0.218	0.870	1.088
				Left Tilted at 0mm	0.150	0.573	0.723
Max WWAN	Ant 5	Max WWAN	Ant 9	Right Cheek at 0mm	0.313	0.404	0.717
				Right Tilted at 0mm	0.179	0.349	0.528
				Left Cheek at 0mm	0.218	1.182	1.400
				Left Tilted at 0mm	0.150	0.554	0.704

15.2 Hotspot Exposure Conditions

WWAN1		WWAN2		Exposure Position	1	2	1+2 Summed 1g SAR (W/kg)
					WWAN1	WWAN2	
					1g SAR (W/kg)	1g SAR (W/kg)	
Max WWAN	Ant 5	Max WWAN	Ant 8	Front at 10mm	0.271	0.415	0.686
				Back at 10mm	0.419	0.626	1.045
				Back at 25mm	0.203	0.838	1.041
				Left Edge at 10mm	0.137	0.454	0.591
				Right Edge at 10mm	0.082	0.123	0.205
				Top Edge at 10mm		0.349	0.349
				Bottom Edge at 10mm	0.381		0.381
				Bottom Edge at 25mm	0.126		0.126
Back_Slant at 10mm		0.529	0.529				
Max WWAN	Ant 5	Max WWAN	Ant 1	Front at 10mm	0.271	0.180	0.451
				Back at 10mm	0.419	0.505	0.924
				Back at 25mm	0.203	0.097	0.300
				Left Edge at 10mm	0.137	0.420	0.557
				Right Edge at 10mm	0.082	0.032	0.114
				Top Edge at 10mm		0.118	0.118
				Bottom Edge at 10mm	0.381		0.381
				Bottom Edge at 25mm	0.126		0.126
Back_Slant at 10mm		0.594	0.594				
Max WWAN	Ant 5	Max WWAN	Ant 9	Front at 10mm	0.271	0.407	0.678
				Back at 10mm	0.419	0.536	0.955
				Back at 25mm	0.203	0.454	0.657
				Left Edge at 10mm	0.137	0.116	0.253
				Right Edge at 10mm	0.082	0.679	0.761
				Top Edge at 10mm		0.470	0.470
				Bottom Edge at 10mm	0.381		0.381
				Bottom Edge at 25mm	0.126		0.126
Back_Slant at 10mm		0.460	0.460				

15.3 Body-worn Accessory Exposure Conditions

WWAN1		WWAN2		Exposure Position	1	2	1+2 Summed 1g SAR (W/kg)	1+2 SPLSR	1+2 Case No.
					WWAN1 1g SAR (W/kg)	WWAN2 1g SAR (W/kg)			
Max WWAN	Ant 5	Max WWAN	Ant 8	Front at 5mm	0.393	0.621	1.014	0.03	Case 4
				Back at 5mm	1.060	1.181	2.241		
				Back at 5mm		1.153	1.153		
				Back with Holster at 0mm	0.257	0.218	0.475		
				Back with Clip at 0mm	1.192	0.381	1.573		
				Back with Clip at 5mm	1.169		1.169		
				Back_Slant at 5mm		1.138	1.138		
Max WWAN	Ant 5	Max WWAN	Ant 1	Front at 5mm	0.393	0.437	0.830	0.03	Case 9
				Back at 5mm	1.060	1.122	2.182		
				Back at 5mm			0.000		
				Back with Holster at 0mm	0.257	0.286	0.543		
				Back with Clip at 0mm	1.192	0.400	1.592		
				Back with Clip at 5mm	1.169		1.169		
				Back_Slant at 5mm		1.188	1.188		
Max WWAN	Ant 5	Max WWAN	Ant 9	Front at 5mm	0.393	1.188	1.581	0.02	Case 10
				Back at 5mm	1.060	1.193	2.253		
				Back at 5mm			0.000		
				Back with Holster at 0mm	0.257	0.282	0.539		
				Back with Clip at 0mm	1.192	0.378	1.570		
				Back with Clip at 5mm	1.169		1.169		
				Back_Slant at 5mm		1.152	1.152		

15.4 Product Specific Exposure Conditions

Exposure Position	1	2	3	1+3 Summed 10g SAR (W/kg)	2+3 Summed 10g SAR (W/kg)
	5GHz WLAN Ant MIMO	6GHz WLAN Ant MIMO	NFC		
	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)		
Front at 0mm	0.071	0.113	0.001	0.072	0.114
Back at 0mm	0.484	0.496	0.118	0.602	0.614
Left Edge at 0mm	0.301	0.480	0.001	0.302	0.481
Right Edge at 0mm	0.270	0.584	0.001	0.271	0.585
Right Edge at 25mm		0.113		0.000	0.113
Top Edge at 0mm	0.041	0.034	0.001	0.042	0.035
Bottom Edge at 0mm	0.009	0.020	0.001	0.010	0.021
Back_Slant at 0mm	0.719			0.719	0.000
Back Slant at 0mm	0.671			0.671	0.000

15.5 SPLSR Evaluation and Analysis

General Note:

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

Case 4	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 5	Back at 5mm	1.060	12.0	-63.9	-1.5	134.0	2.24	0.03	Not required
	Max WWAN Ant 8	Back at 5mm	1.181	17.0	70.0	-1.5				

Case 9	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 5	Back at 5mm	1.060	12.0	-63.9	-1.5	109.0	2.18	0.03	Not required
	Max WWAN Ant 1	Back at 5mm	1.122	19.6	44.8	-1.5				

Case 10	Band	Position	SAR (W/kg)	SAR Peak Location (mm)			3D Distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
	Max WWAN Ant 5	Back at 5mm	1.060	12.0	-63.9	-1.5	138.9	2.25	0.02	Not required
	Max WWAN Ant 9	Back at 5mm	1.193	-5.8	73.8	-1.5				

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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/k ^(b)	1/√3	1/√6	1/√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

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