

FCC SAR TEST REPORT

FCC ID : UZ7MC345A
Equipment : Mobile Computer
Brand Name : ZEBRA
Model Name : MC345A
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 Oct. 22, 2024 and testing was started from Oct. 22, 2024 and completed on Dec. 24, 2024. 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
FA4O2228B	01	Initial issue of report	Jan. 15, 2025



1. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) for Zebra Technologies Corporation, Mobile Computer, MC345A, are as follows.

Equipment Class	Frequency Band	Highest SAR Summary			Highest Simultaneous Transmission 1g SAR (W/kg)	Highest Simultaneous Transmission 10g SAR (W/kg)
		Body-worn (Separation 15mm)	Hotspot (Separation 10mm)	Extremity (Separation 0mm)		
		1g SAR (W/kg)				
Licensed	WCDMA II	1.07	0.43	1.44	1.57	3.31
	WCDMA IV	1.18	0.45	1.61		
	WCDMA V	1.14	0.29	0.80		
	LTE Band 7	0.92	0.57	0.46		
	LTE Band 12/17	0.47	0.28	0.50		
	LTE Band 13	0.78	0.34	0.76		
	LTE Band 14	0.80	0.40	0.73		
	LTE Band 2/25	1.02	0.48	1.65		
	LTE Band 5/26	0.89	0.34	0.59		
	LTE Band 30	1.02	0.58	0.76		
	LTE Band 4/66	1.04	0.38	2.30		
	LTE Band 71	0.25	0.14	0.31		
	LTE Band 38/41	0.28	0.58	0.20		
	LTE Band 48	0.62	0.58	0.35		
	FR1 n7	1.10	0.52	0.93		
	FR1 n12	0.45	0.21	0.75		
	FR1 n13	0.71	0.34	0.86		
	FR1 n14	0.73	0.34	0.92		
	FR1 n2/n25	1.14	0.47	1.52		
	FR1 n5/n26	0.84	0.33	1.05		
	FR1 n30	1.08	0.52	1.18		
	FR1 n66	1.08	0.42	1.88		
	FR1 n71	0.22	0.12	0.40		
	FR1 n38/n41	0.90	0.50	1.08		
	FR1 n48	0.89	0.58	1.69		
	FR1 n77/n78	0.96	0.52	2.05		
DTS	2.4GHz WLAN	0.73	1.18	0.59	1.57	3.31
NII	5GHz WLAN	0.75	1.12	1.82	1.56	3.31
6CD	6GHz WLAN	0.19		0.29	1.56	3.31
DSS	Bluetooth	< 0.01	< 0.01	< 0.01	1.53	3.31
DXX	NFC			0.02		3.31
Equipment Class	Frequency Band	Body-worn Reported APD (mW/cm^2)		Extremity Reported APD (mW/cm^2)	Reported PD (mW/cm^2)	
6CD	6GHz WLAN	0.16		0.69	0.75	
Date of Testing:		2024/10/22 ~ 2024/12/24				

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 Extremity 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	Mobile Computer
Brand Name	ZEBRA
Model Name	MC345A
FCC ID	UZ7MC345A
Wireless Technology and Frequency Range	WCDMA Band II: 1850 MHz ~ 1910 MHz WCDMA Band IV: 1710 MHz ~ 1755 MHz WCDMA Band V: 824 MHz ~ 849 MHz LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7: 2500 MHz ~ 2570 MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 13: 777 MHz ~ 787 MHz LTE Band 14: 788 MHz ~ 798 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 30: 2305 MHz ~ 2315 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 48: 3550 MHz ~ 3700 MHz LTE Band 66: 1710 MHz ~ 1780 MHz LTE Band 71: 663 MHz ~ 698 MHz 5G NR n2 : 1850 MHz ~ 1910 MHz 5G NR n5 : 824 MHz ~ 849 MHz 5G NR n7 : 2500 MHz ~ 2570 MHz 5G NR n12 : 699 MHz ~ 716 MHz 5G NR 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 n71 : 663 MHz ~ 698 MHz 5G NR n77: 3700 MHz ~ 3980 MHz, 3450MHz ~ 3550MHz, 3550MHz ~ 3700MHz 5G NR n78: 3700 MHz ~ 3800 MHz, 3450MHz ~ 3550MHz, 3550MHz ~ 3700MHz 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: 5925MHz~6425MHz, 6425 MHz~6525MHz, 6525MHz~6875MHz, 6875MHz~7125 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz NFC : 13.56 MHz
Mode	RMC 12.2Kbps HSDPA HSUPA DC-HSDPA LTE: QPSK, 16QAM, 64QAM, 256QAM 5G NR: DFT-s-OFDM/CP-OFDM, Pi/2 BPSK/QPSK/16QAM/64QAM/256QAM WLAN: 802.11a/b/g/n/ac/ax HT20/HT40/VHT20/VHT40/VHT80/VHT160/HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE NFC: ASK
HW Version	EV
SW Version	14-10-10.00-UG-U00-PRD-NEM-04
FW Version	FUSION_QA_6_1.0.0.001_U
MFD	14SEP24
EUT Stage	Identical Prototype
Remark: 1. The device has two sample types of brick and gun, for RF exposure selects SKU 9 and selects SKU 11 to doing full SAR tested, other skus verify worst case. 2. The device implements the power management and motion sensor detection for SAR compliance at different exposure conditions (hotspot, body-worn, Extremity) and the Smart transmit feature will manage to ensure the power level not exceeding the associated power table. Detail power management decision include in operational description. 3. The device WLAN support DBS mode (Dual band simultaneous) for WLAN operation, when the DBS mode is active the device will limit different maximum power for Sim-Tx SAR compliance, Details about the power management decision are provided in the operational description. 4. The device implements the motion sensor detection for SAR compliance and the supplemental SAR tests results and Power Validation include in appendix E.	



Type	Sample+Battery	SKU	Battery
Brick	SKU9+1	SKU9	Battery1
	SKU9+2	SKU9	Battery2
	SKU9+3	SKU9	Battery3
	SKU9+4	SKU9	Battery4
Gun	SKU11+1	SKU11	Battery1
	SKU3+2	SKU3	Battery2
	SKU6+3	SKU6	Battery3
	SKU10+4	SKU10	Battery4

Accessories Information				
Adapter 1 USB Wall Charger	Brand Name	Zebra	Model Number	PWR-WUA5V12W0US
Battery 1 Standard Battery (7000mAh)	Brand Name	Zebra	Model Number	BT-000375
Battery 2 Standard Battery (7000mAh)	Brand Name	Zebra	Model Number	BT-000375
Battery 3 BLE Battery (7000mAh)	Brand Name	Zebra	Model Number	BT-000444
Battery 4 BLE Battery (7000mAh)	Brand Name	Zebra	Model Number	BT-000375
Type C USB Cable	Brand Name	Zebra	Model Number	CBL-TC5X-USBC2A-01
USB Cable Cup	Brand Name	Zebra	Model Number	CBL-MC33-USBCHG-01
Soft Holster for Gun Type	Brand Name	Zebra	Model Number	SG-MC3021212-01R
Soft Holster for Brick Type	Brand Name	Zebra	Model Number	SG-MC3X-SHLSTB-01
USB-C PTT Headset	Brand Name	Zebra	Model Number	HDST-USBC-PTT1-01
USB-C to 3.5mm adapter	Brand Name	Zebra	Model Number	ADP-USBC-35MM1-01
3.5mm To Quick Disconnect (QD) Adapter Cable	Brand Name	Zebra	Model Number	ADP-35M-QDCBL1-01
3.5mm PTT Headset	Brand Name	Zebra	Model Number	HDST-35MM-PTT1-01
3.5mm PTT HS2100 Headset	Brand Name	Zebra	Model Number	HS2100
Quick Disconnect (QD) Cable	Brand Name	Zebra	Model Number	CBL-HS2100-QDC1-01

2.2 Maximum Tune-up Limit

General Note:

- For each cellular band, the device has several WWAN antennas, the antenna selection is based on the connection quality condition, and only one antenna will transmit at a time.
- The following table shows maximum output power configurations for various exposure conditions (Device State Index 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.

Band	Config	Antenna	Duty cycle	Full Power	WLAN OFF		WLAN ON	Power Back off for WLAN ON
					Free Space Mode	Body-worn/Extremity	Hotspot	Body-worn/Extremity
					DSI0	DSI1	DSI3	DSI1
WCDMA B2	TX0	1	100.00%	24.5	24.5	23.9	21.0	21.0
WCDMA B4	TX0	1	100.00%	25.0	25.0	23.3	20.5	20.5
WCDMA B5	TX0	1	100.00%	25.0	25.0	25.0	23.0	23.0
LTE B7	TX0	5	100.00%	25.7	25.7	25.7	22.5	23.8
LTE B12/17	TX0	1	100.00%	25.7	25.7	25.7	25.7	25.7
LTE B13	TX0	1	100.00%	25.7	25.7	25.7	24.9	24.9
LTE B14	TX0	1	100.00%	25.7	25.7	25.7	24.9	24.9
LTE B25/2	TX0	1	100.00%	25.7	25.7	24.7	22.0	22.0
LTE B26/5	TX0	1	100.00%	25.7	25.7	25.7	23.5	23.5
LTE B30	TX0	5	100.00%	25.7	25.7	25.7	23.1	23.1
LTE B41/38(PC3)	TX0	5	63.30%	25.0	25.0	25.0	23.5	25.0
LTE B48	TX0	8	63.30%	24.3	24.3	24.3	22.5	24.3
LTE B66/4	TX0	1	100.00%	25.7	25.7	22.6	20.6	20.6
LTE B71	TX0	1	100.00%	25.0	25.0	25.0	25.0	25.0
FR1 n7	TX0	5	100.00%	25.7	25.7	25.7	22.5	22.5
FR1 n12	TX0	1	100.00%	25.7	25.7	25.7	25.7	25.7
FR1 n13	TX0	1	100.00%	25.7	25.7	25.7	24.8	24.8
FR1 n14	TX0	1	100.00%	25.7	25.7	25.7	24.8	24.8
FR1 n25/2	TX0	1	100.00%	25.7	25.7	23.9	21.5	21.6
FR1 n26/5	TX0	1	100.00%	25.7	25.7	25.7	22.5	22.5
FR1 n30	TX0	5	100.00%	25.7	25.7	25.7	22.5	22.5
FR1 n41/38 PC3	TX0	5	100.00%	25.7	25.7	25.7	22.0	23.5
FR1 n41 PC2	TX0	5	50.00%	27.5	27.5	27.5	25.0	26.5
FR1 n41 PC3	TX1	2	100.00%	23.0	23.0	23.0	23.0	23.0
FR1 n41 PC3	MIMO0	3	100.00%	22.5	22.5	22.5	22.5	22.5
FR1 n41 PC3	MIMO1	4	100.00%	22.5	22.5	22.5	22.5	22.5
FR1 n48 PC3	TX0	8	100.00%	24.3	24.3	24.3	20.5	22.3
FR1 n66	TX0	1	100.00%	25.7	25.7	22.8	20.3	20.3
FR1 n71	TX0	1	100.00%	25.0	25.0	25.0	25.0	25.0
n77/78_Part 27O/27Q/96 PC3	TX0	9	100.00%	21.5	21.5	21.5	18.5	21.5
n77/78_Part 27O/27Q PC2	TX0	9	50.00%	24.5	24.5	24.5	21.5	24.5
n77/78_Part 27O/27Q PC3	TX1	8	100.00%	25.0	25.0	23.3	18.5	20.3
n77/78_Part 27O/27Q PC2	TX1	8	50.00%	27.5	27.5	26.3	21.5	23.3
n77/78_Part 96 PC3	TX1	8	100.00%	23.4	23.4	23.3	18.5	20.3
n77/78_Part 27O/27Q PC3	MIMO0	3	100.00%	22.0	22.0	22.0	20.7	22.0
n77/78_Part 96 PC3 SRS	MIMO0	3	100.00%	20.4	20.4	20.4	20.4	20.4
n77/78_Part 27O/27Q PC3	MIMO1	4	100.00%	22.0	22.0	19.2	16.3	16.3
n77/78_Part 96 PC3 SRS	MIMO1	4	100.00%	20.4	20.4	19.2	16.3	16.3

2.1 Smart Transmit feature for RF Exposure compliance

The Smart Transmit algorithm maintains the time-averaged transmit power, in turn, time-averaged RF exposure of SAR_design_target, below the predefined time-averaged power limit, for each characterized technology and band (refer to RF exposure part0 report)

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

<Terminologies in this report>

P _{limit}	The time-averaged RF power which corresponds to SAR_design_target.
P _{max}	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	P _{limit} 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 and uncertainty>

The detail SAR design target relate to each exposure conditions pls refer to operation description

Band	Antenna	Duty Cycle	WLAN OFF (P limit)		WLAN ON (P limit)	Power Back off for WLAN ON
			Free Space Mode	Body-worn 1g SAR / Extremity 10g SAR	Hotspot 1g SAR	Body-worn 1g SAR / Extremity 10g SAR
			DSI0	DSI1	DSI3	DSI1
WCDMA II	1	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
WCDMA IV	1	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
WCDMA V	1	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
LTE B7	5	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
LTE B12/17	1	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
LTE B13	1	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
LTE B14	1	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
LTE B25/2	1	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
LTE B26/5	1	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
LTE B30	5	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
LTE B66/4	1	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
LTE B71	1	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
LTE B41/38 PC3	5	63.30%	0.840	0.84/2.26	0.422	0.422/1.13
LTE B48	8	63.30%	0.840	0.84/2.26	0.422	0.422/1.13
n7	5	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
n12	1	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
n13	1	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
n14	1	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
n25/2	1	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
n26/5	1	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
n30	5	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
n66	1	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
n71	1	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
n41/38 PC3	5	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
n41 PC2	5	50.00%	0.840	0.84/2.26	0.422	0.422/1.13
n41 PC3 SRS	2	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
n41 PC3 SRS	3	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
n41 PC3 SRS	4	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
n48	8	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
n77/78_Part 270/27Q/96 PC3	9	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
n77/78_Part 270/27Q PC2	9	50.00%	0.840	0.84/2.26	0.422	0.422/1.13
n77/78_Part 270/27Q PC3	8	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
n77/78_Part 270/27Q PC2	8	50.00%	0.840	0.84/2.26	0.422	0.422/1.13
n77/78_Part 96 PC3	8	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
n77/78_Part 270/27Q PC3	3	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
n77/78_Part 96 PC3 SRS	3	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
n77/78_Part 270/27Q PC3	4	100.00%	0.840	0.84/2.26	0.422	0.422/1.13
n77/78_Part 96 PC3 SRS	4	100.00%	0.840	0.84/2.26	0.422	0.422/1.13

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	Config	Antenna	Duty Cycle	Pmax	WLAN OFF (P limit) (dBm)		WLAN ON (P limit) (dBm)	Power Back off for WLAN ON (dB)	
					Free Space Mode	Body-worn / Extremity	Hotspot	Free Space Mode	Body-worn / Extremity
				DSI0	DSI0	DSI1	DSI3	DSI0	DSI1
WCDMA II	TX0	1	100.00%	23.0	36.2	22.4	19.5		2.9
WCDMA IV	TX0	1	100.00%	23.5	36.7	21.8	19.0		2.8
WCDMA V	TX0	1	100.00%	23.5	30.7	24.1	21.5		2.0
LTE B7	TX0	5	100.00%	24.2	33.0	25.2	21.0		1.9
LTE B12/17	TX0	1	100.00%	24.2	33.3	28.2	24.2		
LTE B13	TX0	1	100.00%	24.2	31.6	26.0	23.4		0.8
LTE B14	TX0	1	100.00%	24.2	31.7	25.9	23.4		0.8
LTE B25/2	TX0	1	100.00%	24.2	36.1	23.2	20.5		2.7
LTE B26/5	TX0	1	100.00%	24.2	30.9	25.4	22.0		2.2
LTE B30	TX0	5	100.00%	24.2	32.1	24.8	21.6		2.6
LTE B66/4	TX0	1	100.00%	24.2	36.0	21.1	19.1		2.0
LTE B71	TX0	1	100.00%	23.5	34.9	30.3	23.5		
LTE B41/38 PC3	TX0	5	63.30%	21.5	32.6	24.4	20.0		
LTE B48	TX0	8	63.30%	20.8	29.1	24.3	19.0		
n7	TX0	5	100.00%	24.2	33.2	24.2	21.0		3.2
n12	TX0	1	100.00%	24.2	34.2	28.3	24.2		
n13	TX0	1	100.00%	24.2	39.3	26.4	23.3		0.9
n14	TX0	1	100.00%	24.2	31.7	26.2	23.3		0.9
n25/2	TX0	1	100.00%	24.2	36.4	22.4	20.0		2.3
n26/5	TX0	1	100.00%	24.2	30.4	24.4	21.0		3.2
n30	TX0	5	100.00%	24.2	32.0	24.6	21.0		3.2
n66	TX0	1	100.00%	24.2	36.6	21.3	18.8		2.5
n71	TX0	1	100.00%	23.5	34.5	31.2	23.5		
n41/38 PC3	TX0	5	100.00%	24.2	32.3	24.4	20.5		2.2
n41 PC2	TX0	5	50.00%	23.0					
n41 PC3 SRS	TX1	2	100.00%	21.5	32.4	23.4	21.5		
n41 PC3 SRS	MIMO0	3	100.00%	21.0	36.2	33.6	21.0		
n41 PC3 SRS	MIMO1	4	100.00%	21.0	35.6	27.1	21.0		
n48	TX0	8	100.00%	22.8	30.3	25.6	19.0		2.0
n77/78_Part 270/27Q/96 PC3	TX0	9	100.00%	20.0	32.8	23.1	17.0		
n77/78_Part 270/27Q PC2	TX0	9	50.00%	20.0					
n77/78_Part 270/27Q PC3	TX1	8	100.00%	23.5	30.4	21.8	17.0		3.0
n77/78_Part 270/27Q PC2	TX1	8	50.00%	23.0					
n77/78_Part 96 PC3	TX1	8	100.00%	21.9	32.8	22.3	19.2		
n77/78_Part 270/27Q PC3	MIMO0	3	100.00%	20.5					
n77/78_Part 96 PC3 SRS	MIMO0	3	100.00%	18.9	36.6	17.7	14.8		2.9
n77/78_Part 270/27Q PC3	MIMO1	4	100.00%	20.5					
n77/78_Part 96 PC3 SRS	MIMO1	4	100.00%	18.9					

*Pmax is used for RF tune up procedure. The maximum allowed output power is equal to Pmax + 1.5dB uncertainty.

**All P_{limit} power levels entered in the Table correspond to average power levels after accounting for duty cycle in the case TDD modulation schemes (for e.g., GSM & LTE TDD & NR TDD).

The max allowed output power is the P_{limit} + 1.5dB device uncertainty, and if P_{limit} is higher than Pmax, the device output power will be Pmax instead.

2.2 General LTE SAR Test and Reporting Considerations

Summarized necessary items addressed in KDB 941225 D05 v02r05									
FCC ID		UZ7MC345A							
Equipment Name		Mobile 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 66: 1710 MHz ~ 1780 MHz LTE Band 71: 663 MHz ~ 698 MHz							
Channel Bandwidth		LTE Band 2:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 4:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 5:1.4MHz, 3MHz, 5MHz, 10MHz LTE Band 7: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 12:1.4MHz, 3MHz, 5MHz, 10MHz LTE Band 13: 5MHz, 10MHz LTE Band 14: 5MHz, 10MHz LTE Band 17: 5MHz, 10MHz LTE Band 25:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 26:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz LTE Band 30: 5MHz, 10MHz LTE Band 38: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 41: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 48: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 66:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 71: 5MHz, 10MHz, 15MHz, 20MHz							
uplink modulations used		QPSK / 16QAM / 64QAM / 256QAM							
LTE Voice / Data requirements		Data only							
LTE MPR permanently built-in by design		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 referred to section 11.							
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 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz			
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)		
L	18607	1850.7	18615	1851.5	18625	1852.5	18650	1855	18675	1857.5	18700	1860		
M	18900	1880	18900	1880	18900	1880	18900	1880	18900	1880	18900	1880		
H	19193	1909.3	19185	1908.5	19175	1907.5	19150	1905	19125	1902.5	19100	1900		
LTE Band 4														
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz			
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)		
L	19957	1710.7	19965	1711.5	19975	1712.5	20000	1715	20025	1717.5	20050	1720		
M	20175	1732.5	20175	1732.5	20175	1732.5	20175	1732.5	20175	1732.5	20175	1732.5		
H	20393	1754.3	20385	1753.5	20375	1752.5	20350	1750	20325	1747.5	20300	1745		
LTE Band 5														
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz							
	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 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz							
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)		
L	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 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz							
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)		
L	23017	699.7	23025	700.5	23035	701.5	23060	704						
M	23095	707.5	23095	707.5	23095	707.5	23095	707.5						
H	23173	715.3	23165	714.5	23155	713.5	23130	711						
LTE Band 13														
	Bandwidth 5 MHz				Bandwidth 10 MHz									
	Channel #		Freq.(MHz)		Channel #		Freq.(MHz)							
L	23205		779.5		23230		782							
M	23230		782											
H	23255		784.5											
LTE Band 14														
	Bandwidth 5 MHz				Bandwidth 10 MHz									
	Channel #		Channel #		Channel #		Freq.(MHz)							
L	23305		790.5		23330		793							
M	23330		793											
H	23355		795.5											
LTE Band 17														
	Bandwidth 5 MHz				Bandwidth 10 MHz									
	Channel #		Freq.(MHz)		Channel #		Freq. (MHz)							
L	23755		706.5		23780		709							
M	23790		710		23790		710							
H	23825		713.5		23800		711							

LTE Band 25												
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	26047	1850.7	26055	1851.5	26065	1852.5	26090	1855	26115	1857.5	26140	1860
M	26340	1880	26340	1880	26340	1880	26340	1880	26340	1880	26340	1880
H	26683	1914.3	26675	1913.5	26665	1912.5	26640	1910	26615	1907.5	26590	1905
LTE Band 26												
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz			
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	26697	814.7	26705	815.5	26715	816.5	26740	819	26765	821.5	26790	824
M	26865	831.5	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	26940	839
LTE Band 30												
	Bandwidth 5 MHz					Bandwidth 10 MHz						
	Channel #			Freq.(MHz)		Channel #			Freq.(MHz)			
L	27685			2307.5		27710			2310			
M	27710			2310								
H	27735			2312.5								
LTE Band 38												
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	37775	2572.5	37800	2575	37825	2577.5	37850	2580	37875	2582.5	37900	2585
M	38000	2595	38000	2595	38000	2595	38000	2595	38000	2595	38000	2595
H	38225	2617.5	38200	2615	38175	2612.5	38150	2610	38125	2607.5	38100	2605
LTE Band 41												
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	39675	2498.5	39700	2501	39725	2503.5	39750	2506	39775	2508.5	39800	2511
L	40148	2545.8	40160	2547	40173	2548.3	40185	2549.5	40197	2550.7	40210	2552
M	40620	2593	40620	2593	40620	2593	40620	2593	40620	2593	40620	2593
H	41093	2640.3	41080	2639	41068	2637.8	41055	2636.5	41042	2635.2	41030	2634
H	41565	2687.5	41540	2685	41515	2682.5	41490	2680	41465	2677.5	41440	2675
LTE Band 48												
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	55265	3552.5	55290	3555	55315	3557.5	55340	3560	55365	3562.5	55390	3565
L	55810	3607	55815	3607.5	55820	3608	55830	3609	55840	3610	55850	3611
M	56170	3643	56165	3642.5	56160	3642	56150	3641	56140	3640	56130	3639
H	56715	3697.5	56690	3695	56665	3692.5	56640	3690	56615	3687.5	56590	3685
LTE Band 66												
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	131979	1710.7	131987	1711.5	131997	1712.5	132022	1715	132047	1717.5	132072	1720
M	132322	1745	132322	1745	132322	1745	132322	1745	132322	1745	132322	1745
H	132665	1779.3	132657	1778.5	132647	1777.5	132622	1775	132597	1772.5	132572	1770
LTE Band 71												
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	133147	665.5	133172	668	133197	670.5	133222	673	133247	675.5	133272	678
M	133297	680.5	133297	680.5	133297	680.5	133297	680.5	133297	680.5	133297	680.5
H	133447	695.5	133422	693	133397	690.5	133372	688	133347	685.5	133322	683

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

5G NR Information								
FCC ID	UZ7MC345A							
Equipment Name	Mobile 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 n71 : 663 MHz ~ 698 MHz							
5G NR n77: 3700 MHz ~ 3980 MHz, 3450MHz ~ 3550MHz, 3550MHz ~ 3700MHz								
5G NR n78: 3700 MHz ~ 3800 MHz, 3450MHz ~ 3550MHz, 3550MHz ~ 3700MHz								
Channel Bandwidth	5G NR n2: 5MHz, 10MHz, 15MHz, 20MHz							
	5G NR n5: 5MHz, 10MHz, 15MHz, 20MHz							
	5G NR n7: 5MHz, 10MHz, 15MHz, 20MHz, 25 MHz, 30MHz, 40MHz							
	5G NR n12: 5MHz, 10MHz, 15MHz							
	5G NR 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, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz							
	5G NR n48: 10MHz, 15MHz, 20MHz, 30MHz, 40MHz							
	5G NR n66: 5MHz, 10MHz, 15MHz, 20MHz, 25 MHz,30MHz, 40MHz							
	5G NR n71: 5MHz, 10MHz, 15MHz, 20MHz							
5G NR n77/n78: 10MHz, 15MHz, 20MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz								
SCS	FDD: SCS15KHz, TDD: SCS30KHz							
uplink modulations used	DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM CP-OFDM QPSK / 16QAM / 64QAM / 256QAM							
A-MPR (Additional MPR) disabled for SAR Testing?	Yes							
LTE Anchor Bands for n2	LTE B2/4/5/7/12/13/14/30/48/66/71							
LTE Anchor Bands for n5	LTE B2/4/5/7/12/13/14/30/48/66/71							
LTE Anchor Bands for n7	LTE B2/4/5/7/12/66/71							
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 B2/5/7/12/13/26/48/66/71							
LTE Anchor Bands for n30	LTE B2/5/12/14/66/							
LTE Anchor Bands for n38	LTE B2/4/5/7/12/66/71							
LTE Anchor Bands for n41	LTE B2/4/5/12/25/26/41/66/71							
LTE Anchor Bands for n66	LTE B2/5/7/12/13/14/30/41/48/66/71							
LTE Anchor Bands for n71	LTE B2/5/7/12/13/41/48/66/71							
LTE Anchor Bands for n77	LTE B2/5/7/12/13/14/25/26/30/41/48/66/71							
LTE Anchor Bands for n78	LTE B2/4/5/7/12/13/25/26/38/41/66/71							
NR Band 2								
	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
NR Band 5								
	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



NR Band 7																						
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 40MHz									
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)								
L	500500	2502.5	501000	2505	501500	2507.5	502000	2510	502500	2512.5	503000	2515	504000	2520								
M	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535								
H	513500	2567.5	513000	2565	512500	2562.5	512000	2560	511500	2557.5	511000	2555	510000	2550								
NR Band 12																						
	Bandwidth 5MHz				Bandwidth 10MHz				Bandwidth 15MHz													
	Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)											
L	140300		701.5		140800		704		141300		706.5											
M	141500		707.5		141500		707.5		141500		707.5											
H	142700		713.5		142200		711		141700		708.5											
NR Band 13																						
	Bandwidth 5MHz					Bandwidth 10MHz					Bandwidth 15MHz											
	Ch. #			Freq. (MHz)		Ch. #			Freq. (MHz)		Ch. #			Freq. (MHz)								
L	155900			779.5		156400			782		782											
M	156400			782																		
H	156900			784.5																		
NR Band 14																						
	Bandwidth 5MHz					Bandwidth 10MHz					Bandwidth 15MHz											
	Ch. #			Freq. (MHz)		Ch. #			Freq. (MHz)		Ch. #			Freq. (MHz)								
L	158100			790.5		158600			793		793											
M	158600			793																		
H	159100			795.5																		
NR Band 25																						
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 40MHz									
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)								
L	370500	1852.5	371000	1855	371500	1857.5	372000	1860	372500	1862.5	373000	1865	374000	1870								
M	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								
NR Band 26																						
	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)	Ch. #	Freq. (MHz)								
L	163300	816.5	163800	819	164300	821.5	164800	824	165300	826.5	165800	828.5	166300	831.5								
M	166300	831.5	166300	831.5	166300	831.5	166300	831.5	166300	831.5	166300	831.5	166300	831.5								
H	169300	846.5	168800	844	168300	841.5	167800	839	167300	836.5	166800	834.5	166300	831.5								
NR Band 30																						
	Bandwidth 5MHz					Bandwidth 10MHz					Bandwidth 15MHz											
	Ch. #			Freq. (MHz)		Ch. #			Freq. (MHz)		Ch. #			Freq. (MHz)								
L	461500			2307.5		462000			2310		2310											
M	462000			2310																		
H	462500			2312.5																		
NR Band 38																						
	Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz									
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)								
L	515004	2575.02	515502	2577.51	516000	2580	517002	2585.01	518004	2590.02	519006	2595.03	520008	2600.04								
M	519000	2595	519000	2595	519000	2595	519000	2595	519000	2595	519000	2595	519000	2595								
H	522996	2614.98	522498	2612.49	522000	2610	520998	2604.99	519996	2599.98	518994	2594.96	517992	2589.92								
NR Band 41																						
	Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth 100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	500202	2501.01	500700	2503.5	501204	2506.02	502200	2511	503202	2516.01	505200	2526	506202	2531.01	507204	2536.02	508200	2541	509202	2546.01	510204	2551.01
M	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99
H	537000	2685	536496	2682.48	535998	2679.99	534996	2674.98	534000	2670	531996	2659.98	531000	2655	529998	2649.99	528996	2644.98	528000	2640	526996	2634.96

NR Band 48																						
	Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 30MHz		Bandwidth 40MHz													
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)												
L	637000	3555	637168	3557.52	637334	3560.01	637668	3565.02	638000	3570												
M	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99												
H	646332	3694.98	646166	3692.49	646000	3690	645666	3684.99	645332	3679.98												
NR Band 66																						
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 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								
NR Band 71																						
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz															
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)														
L	133100	665.5	133600	668	13410	670.5	134600	673														
M	136100	680.5	136100	680.5	136100	680.5	136100	680.5														
H	139100	695.5	138600	693	13810	690.5	137600	688														
NR Band 77																						
	Bandwidth10MHz		Bandwidth15MHz		Bandwidth 20MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	647000	3705	647168	3707.52	647334	3710.01	647668	3715.02	648000	3720	648334	3725.01	648668	3730.02	649000	3735	649334	3740.01	649668	3745.02	650000	3750
M	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840
H	665000	3975	664832	3972.48	664666	3969.99	664332	3964.98	664000	3960	663666	3954.99	663332	3949.98	663000	3945	662666	3939.99	662332	3934.98	662000	3930
NR Band 78																						
	Bandwidth10MHz		Bandwidth15MHz		Bandwidth 20MHz		Bandwidth30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	647000	3705	647168	3707.52	647334	3710.01	647668	3715.02	648000	3720	648334	3725.01	648668	3730.02	649000	3735	649334	3740.01	649668	3745.02	650000	3750
M	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750		
H	653000	3795	652832	3792.48	652666	3789.99	652332	3784.98	652000	3780	651666	3774.99	651332	3769.98	651000	3765	650666	3759.99	650332	3754.98		
NR Band 77/78(3450MHz ~ 3550MHz)																						
	Bandwidth10MHz		Bandwidth15MHz		Bandwidth 20MHz		Bandwidth30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	630334	3455.01	630500	3457.5	630668	3460.02	631000	3465	631334	3470.01	631668	3475.02	632000	3480	632334	3485.01	632668	3490.02	633000	3495	633332	3499.98
M	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98		
H	636332	3544.98	636166	3542.49	636000	3540	635666	3534.99	635332	3529.98	635000	3525	634666	3519.99	634332	3514.98	634000	3510	633666	3504.99		
NR Band 77/78(3550MHz ~ 3700MHz)																						
	Bandwidth10MHz		Bandwidth15MHz		Bandwidth 20MHz		Bandwidth30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	637000	3555	637168	3557.52	637334	3560.01	637668	3565.02	638000	3570	638334	3575.01	638668	3580.02	639000	3585	639334	3590.01	639668	3595.02	640000	3600
M	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99
H	646332	3694.98	646166	3692.49	646000	3690	645666	3684.99	645332	3679.98	645000	3675	644666	3669.99	644332	3664.98	644000	3660	643666	3654.99	643332	3649.98



3. Guidance Applied

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

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

4. RF Exposure Limits

4.1 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.

4.2 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.

4.3 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

5. Specific Absorption Rate (SAR)

5.1 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.

5.2 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:

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

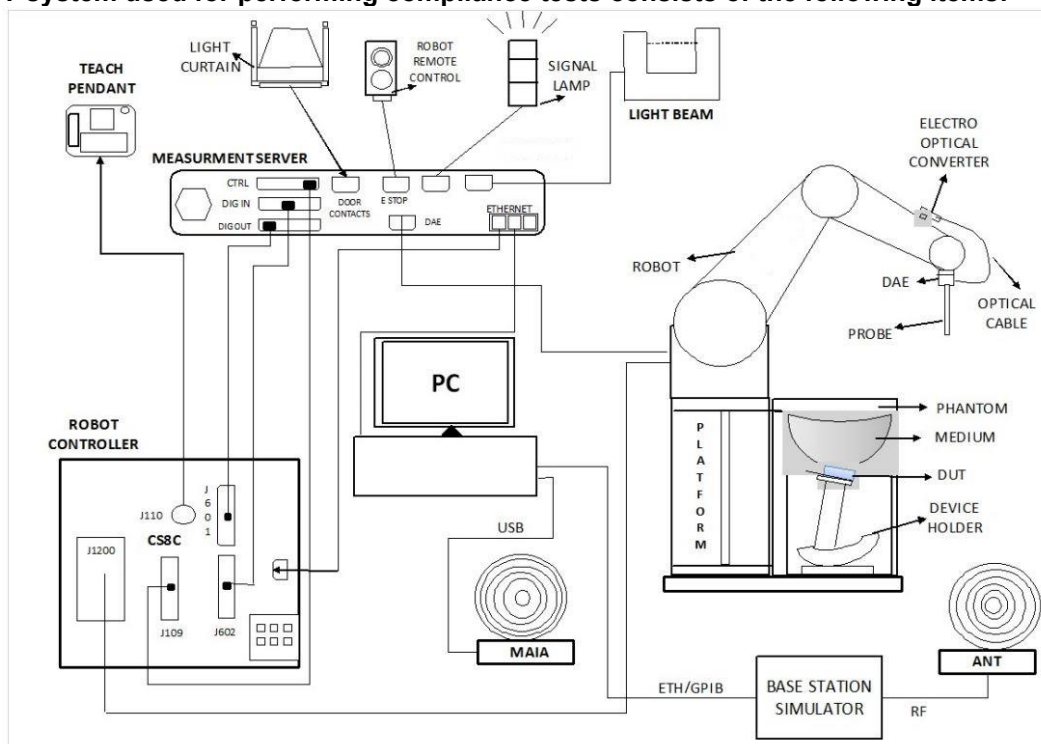
SAR is expressed in units of Watts per kilogram (W/kg)

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

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

6. 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.

6.1 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		

6.2 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	

6.3 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.

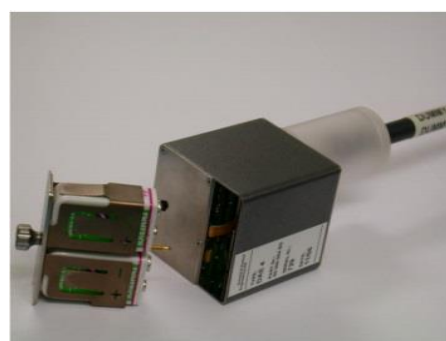


Fig 5.1 Photo of DAE

6.4 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.

6.5 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

7. Measurement Procedures

The measurement procedures are as follows:

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

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

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

7.1 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

7.2 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.

7.3 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.	

7.4 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.				

7.5 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.

7.6 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.



8. Test Equipment List

Manufacturer	Name of Equipment	Type/Model	Serial Number	Calibration	
				Last Cal.	Due Date
SPEAG	750MHz System Validation Kit	D750V3	1012	Aug. 22, 2024	Aug. 21, 2025
SPEAG	750MHz System Validation Kit ⁽²⁾	D750V3	1107	Jun. 22, 2022	Jun. 19, 2025
SPEAG	750MHz System Validation Kit ⁽²⁾	D750V3	1117	Mar. 24, 2022	Mar. 21, 2025
SPEAG	835MHz System Validation Kit	D835V2	499	Aug. 22, 2024	Aug. 21, 2025
SPEAG	835MHz System Validation Kit ⁽²⁾	D835V2	4d060	Mar. 24, 2022	Mar. 21, 2025
SPEAG	835MHz System Validation Kit ⁽²⁾	D835V2	4d167	Nov. 24, 2022	Nov. 21, 2025
SPEAG	1750MHz System Validation Kit ⁽²⁾	D1750V2	1120	Mar. 25, 2022	Mar. 22, 2025
SPEAG	1750MHz System Validation Kit ⁽²⁾	D1750V2	1068	Nov. 21, 2022	Nov. 18, 2025
SPEAG	1750MHz System Validation Kit ⁽²⁾	D1750V2	1112	Jun. 22, 2022	Jun. 19, 2025
SPEAG	1900MHz System Validation Kit	D1900V2	5d041	Aug. 15, 2024	Aug. 14, 2025
SPEAG	1900MHz System Validation Kit ⁽²⁾	D1900V2	5d093	Mar. 25, 2022	Mar. 22, 2025
SPEAG	1900MHz System Validation Kit ⁽²⁾	D1900V2	5d185	Jun. 17, 2022	Jun. 14, 2025
SPEAG	2300MHz System Validation Kit ⁽²⁾	D2300V2	1006	Jan. 18, 2022	Jan. 15, 2025
SPEAG	2450MHz System Validation Kit	D2450V2	736	Aug. 15, 2024	Aug. 14, 2025
SPEAG	2600MHz System Validation Kit	D2600V2	1008	Aug. 15, 2024	Aug. 14, 2025
SPEAG	2600MHz System Validation Kit ⁽²⁾	D2600V2	1078	Jun. 23, 2022	Jun. 20, 2025
SPEAG	3500MHz System Validation Kit ⁽²⁾	D3500V2	1036	Mar. 23, 2022	Mar. 20, 2025
SPEAG	3700MHz System Validation Kit ⁽²⁾	D3700V2	1006	Jun. 20, 2022	Jun. 17, 2025
SPEAG	3900MHz System Validation Kit ⁽²⁾	D3900V2	1017	Apr. 22, 2022	Apr. 19, 2025
SPEAG	5GHz System Validation Kit	D5GHzV2	1171	Apr. 19, 2024	Apr. 18, 2025
SPEAG	6500MHz System Validation Kit	D6.5GHzV2	1003	Mar. 15, 2024	Mar. 14, 2025
SPEAG	13MHz System Validation Kit ⁽²⁾	CLA13	1011	Jul. 10, 2023	Jul. 08, 2025
SPEAG	5G Verification Source	10GHz	1020	Jan. 18, 2024	Jan. 17, 2025
SPEAG	EUmmWV Probe Tip Protection	EUmmWV3	9424	Mar. 12, 2024	Mar. 11, 2025
SPEAG	Data Acquisition Electronics	DAE4	854	Aug. 14, 2024	Aug. 13, 2025
SPEAG	Data Acquisition Electronics	DAE4	1326	Jul. 15, 2024	Jul. 14, 2025
SPEAG	Data Acquisition Electronics	DAE4	1512	Mar. 14, 2024	Mar. 13, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	3642	Apr. 25, 2024	Apr. 24, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	3925	Apr. 24, 2024	Apr. 23, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	7306	Aug. 21, 2024	Aug. 20, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	7822	Sep. 03, 2024	Sep. 02, 2025
Testo	Hygro meter	608-H1	45196600	Oct. 28, 2024	Oct. 27, 2025
Anritsu	Radio Communication Analyzer	MT8821C	6201341950	Nov. 12, 2024	Nov. 11, 2025
Keysight	5G Wireless Test Platform	E7515B	MY58300712	Apr. 22, 2024	Apr. 21, 2025
R&S	BT Base Station	CBT	101136	Oct. 20, 2024	Oct. 19, 2025
SPEAG	Device Holder	N/A	N/A	N/A	N/A
Anritsu	Signal Generator	MG3710A	6201502524	Sep. 24, 2024	Sep. 23, 2025
Keysight	ENA Network Analyzer	E5071C	MY46104758	Oct. 20, 2024	Oct. 19, 2025
SPEAG	Dielectric Probe Kit	DAK-3.5	1126	Sep. 17, 2024	Sep. 16, 2025
SPEAG	Dielectric Probe Kit	DAK-12	1156	Jul. 15, 2024	Jul. 14, 2025
LINE SEIKI	Digital Thermometer	DTM3000-spezial	3690	Aug. 07, 2024	Aug. 06, 2025
Anritsu	Power Meter	ML2495A	1419002	Aug. 13, 2024	Aug. 12, 2025
Anritsu	Power Sensor	MA2411B	1911176	Aug. 13, 2024	Aug. 12, 2025
Anritsu	Spectrum Analyzer	MS2830A	6201396378	Jul. 09, 2024	Jul. 08, 2025
Mini-Circuits	Power Amplifier	ZVE-8G+	6418	Oct. 23, 2024	Oct. 22, 2025
ATM	Dual Directional Coupler	C122H-10	P610410z-02	Note 1	
Warison	Directional Coupler	WCOU-10-50S-10	WR889BMC4B1	Note 1	
Woken	Attenuator 1	WK0602-XX	N/A	Note 1	
PE	Attenuator 2	PE7005-10	N/A	Note 1	
PE	Attenuator 3	PE7005- 3	N/A	Note 1	

General Note:

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

9. System Verification

9.1 Tissue Verification

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

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

<Tissue Dielectric Parameter Check Results>

Frequency (MHz)	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (ϵ_r)	Conductivity Target (σ)	Permittivity Target (ϵ_r)	Delta (σ) (%)	Delta (ϵ_r) (%)	Limit (%)	Date
750	22.3	0.911	42.990	0.89	41.90	2.36	2.60	± 5	2024/10/22
750	22.6	0.909	42.936	0.89	41.90	2.13	2.47	± 5	2024/10/23
750	22.6	0.904	42.909	0.89	41.90	1.57	2.41	± 5	2024/11/5
750	22.6	0.904	42.909	0.89	41.90	1.57	2.41	± 5	2024/11/5
750	22.3	0.894	42.586	0.89	41.90	0.45	1.64	± 5	2024/11/9
750	22.7	0.898	42.786	0.89	41.90	0.90	2.11	± 5	2024/11/15
750	22.5	0.892	42.636	0.89	41.90	0.22	1.76	± 5	2024/11/16
750	22.4	0.886	42.486	0.89	41.90	-0.45	1.40	± 5	2024/11/17
750	22.2	0.887	42.372	0.89	41.90	-0.34	1.13	± 5	2024/12/8
750	22.4	0.888	42.385	0.89	41.90	-0.22	1.16	± 5	2024/12/12
750	22.6	0.890	42.410	0.89	41.90	0.00	1.22	± 5	2024/12/14
835	22.6	0.940	42.613	0.90	41.50	4.44	2.68	± 5	2024/11/5
835	22.6	0.940	42.613	0.90	41.50	4.44	2.68	± 5	2024/11/5
835	22.7	0.901	41.940	0.90	41.50	0.11	1.06	± 5	2024/11/8
835	22.6	0.938	42.360	0.90	41.50	4.22	2.07	± 5	2024/11/18
835	22.6	0.945	42.510	0.90	41.50	5.00	2.43	± 5	2024/11/19
835	22.2	0.909	42.076	0.90	41.50	1.00	1.39	± 5	2024/12/8
835	22.2	0.911	42.101	0.90	41.50	1.22	1.45	± 5	2024/12/13
1750	22.4	1.370	40.504	1.37	40.10	0.00	1.01	± 5	2024/11/6
1750	22.4	1.370	40.504	1.37	40.10	0.00	1.01	± 5	2024/11/6
1750	22.6	1.371	40.750	1.37	40.10	0.07	1.62	± 5	2024/11/10
1750	22.4	1.352	40.550	1.37	40.10	-1.31	1.12	± 5	2024/11/11
1750	22.4	1.395	40.340	1.37	40.10	1.82	0.60	± 5	2024/11/20
1750	22.5	1.363	40.417	1.37	40.10	-0.51	0.79	± 5	2024/12/9
1750	22.3	1.356	40.386	1.37	40.10	-1.02	0.71	± 5	2024/12/15
1750	22.5	1.350	40.355	1.37	40.10	-1.46	0.64	± 5	2024/12/16
1900	22.4	1.385	40.252	1.40	40.00	-1.07	0.63	± 5	2024/11/6
1900	22.4	1.385	40.252	1.40	40.00	-1.07	0.63	± 5	2024/11/6
1900	22.6	1.449	39.202	1.40	40.00	3.50	-2.00	± 5	2024/11/10
1900	22.5	1.401	39.977	1.40	40.00	0.07	-0.06	± 5	2024/11/22
1900	22.5	1.439	38.869	1.40	40.00	2.79	-2.83	± 5	2024/12/9
1900	22.3	1.432	38.838	1.40	40.00	2.29	-2.91	± 5	2024/12/15
2300	22.4	1.637	40.526	1.67	39.50	-1.98	2.60	± 5	2024/11/3
2300	22.6	1.645	40.651	1.67	39.50	-1.50	2.91	± 5	2024/11/4
2300	22.6	1.645	40.651	1.67	39.50	-1.50	2.91	± 5	2024/11/4
2300	22.8	1.63	40.52	1.67	39.50	-2.40	2.58	± 5	2024/11/12
2300	22.5	1.616	39.186	1.67	39.50	-3.23	-0.79	± 5	2024/11/24
2300	22.4	1.640	39.880	1.67	39.50	-1.80	0.96	± 5	2024/12/10
2300	22.3	1.696	39.520	1.67	39.50	1.56	0.05	± 5	2024/12/23
2600	22.4	1.997	39.427	1.96	39.00	1.89	1.09	± 5	2024/11/3
2600	22.6	2.006	39.552	1.96	39.00	2.35	1.42	± 5	2024/11/4
2600	22.6	2.006	39.552	1.96	39.00	2.35	1.42	± 5	2024/11/4



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2600	22.7	1.979	39.324	1.96	39.00	0.97	0.83	±5	2024/11/13
2600	22.5	1.965	39.171	1.96	39.00	0.26	0.44	±5	2024/11/14
2600	22.6	1.966	38.064	1.96	39.00	0.31	-2.40	±5	2024/11/25
2600	22.3	1.975	38.127	1.96	39.00	0.77	-2.24	±5	2024/11/26
2600	22.5	1.985	38.190	1.96	39.00	1.28	-2.08	±5	2024/11/27
2600	22.4	1.991	38.744	1.96	39.00	1.58	-0.66	±5	2024/12/10
2600	22.4	1.972	37.790	1.96	39.00	0.61	-3.10	±5	2024/12/17
2600	22.3	2.023	38.408	1.96	39.00	3.21	-1.52	±5	2024/12/23
3500	22.4	2.984	38.363	2.91	37.90	2.54	1.22	±5	2024/10/25
3500	22.5	2.952	38.201	2.91	37.90	1.44	0.79	±5	2024/10/28
3500	22.7	2.931	38.013	2.91	37.90	0.72	0.30	±5	2024/10/30
3500	22.5	2.921	37.919	2.91	37.90	0.38	0.05	±5	2024/10/31
3500	22.4	2.91	37.825	2.91	37.90	0.00	-0.20	±5	2024/11/1
3500	22.4	3.011	38.609	2.91	37.90	3.47	1.87	±5	2024/11/7
3500	22.3	2.905	37.987	2.91	37.90	-0.17	0.23	±5	2024/11/21
3500	22.6	2.894	37.931	2.91	37.90	-0.55	0.08	±5	2024/11/23
3500	22.5	2.969	38.288	2.91	37.90	2.03	1.02	±5	2024/11/28
3500	22.4	2.921	38.042	2.91	37.90	0.38	0.37	±5	2024/11/29
3500	22.6	2.896	37.909	2.91	37.90	-0.48	0.02	±5	2024/12/11
3500	22.6	2.842	37.783	2.91	37.90	-2.34	-0.31	±5	2024/12/18
3500	22.3	2.815	37.720	2.91	37.90	-3.26	-0.47	±5	2024/12/19
3700	22.4	3.197	38.161	3.12	37.70	2.47	1.22	±5	2024/10/25
3700	22.4	3.152	37.905	3.12	37.70	1.03	0.54	±5	2024/10/29
3700	22.7	3.141	37.811	3.12	37.70	0.67	0.29	±5	2024/10/30
3700	22.5	3.13	37.717	3.12	37.70	0.32	0.05	±5	2024/10/31
3700	22.4	3.119	37.623	3.12	37.70	-0.03	-0.20	±5	2024/11/1
3700	22.4	3.2	38.31	3.12	37.70	2.56	1.62	±5	2024/11/7
3700	22.5	3.181	38.086	3.12	37.70	1.96	1.02	±5	2024/11/28
3700	22.6	3.075	37.593	3.12	37.70	-1.44	-0.28	±5	2024/12/2
3700	22.3	3.063	37.537	3.12	37.70	-1.83	-0.43	±5	2024/12/3
3700	22.6	3.103	37.707	3.12	37.70	-0.54	0.02	±5	2024/12/11
3700	22.2	3.186	38.258	3.12	37.70	2.12	1.48	±5	2024/12/20
3700	22.6	3.133	37.982	3.12	37.70	0.42	0.75	±5	2024/12/24
3900	22.6	3.398	37.919	3.33	37.51	2.04	1.09	±5	2024/10/26
3900	22.3	3.386	37.865	3.33	37.51	1.68	0.95	±5	2024/10/27
3900	22.7	3.351	37.623	3.33	37.51	0.63	0.30	±5	2024/10/30
3900	22.5	3.339	37.529	3.33	37.51	0.27	0.05	±5	2024/10/31
3900	22.4	3.328	37.435	3.33	37.51	-0.06	-0.20	±5	2024/11/1
3900	22.3	3.316	37.341	3.33	37.51	-0.42	-0.45	±5	2024/11/2
3900	22.4	3.406	38.032	3.33	37.51	2.28	1.39	±5	2024/11/7
3900	22.5	3.393	37.898	3.33	37.51	1.89	1.03	±5	2024/11/28
3900	22.4	3.340	37.653	3.33	37.51	0.30	0.38	±5	2024/11/29
3900	22.5	3.287	37.407	3.33	37.51	-1.29	-0.27	±5	2024/11/30
3900	22.4	3.289	37.422	3.33	37.51	-1.23	-0.23	±5	2024/12/1
3900	22.6	3.311	37.519	3.33	37.51	-0.57	0.02	±5	2024/12/11
3900	22.4	3.380	37.985	3.33	37.51	1.50	1.27	±5	2024/12/21
3900	22.5	3.361	37.890	3.33	37.51	0.93	1.01	±5	2024/12/22

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	22.4	0.758	53.450	0.75	55.00	1.07	-2.82	±5	2024/11/22
2450	22.6	1.825	39.492	1.80	39.20	1.39	0.74	±5	2024/11/29
2450	22.4	1.765	39.110	1.80	39.20	-1.94	-0.23	±5	2024/12/2
2450	22.5	1.781	39.327	1.80	39.20	-1.06	0.32	±5	2024/12/4
2450	22.5	1.800	39.382	1.80	39.20	0.00	0.46	±5	2024/12/6
2450	22.1	1.750	40.161	1.80	39.20	-2.78	2.45	±5	2024/12/7
5250	22.5	4.692	36.343	4.71	35.95	-0.38	1.09	±5	2024/11/30
5250	22.2	4.793	36.650	4.71	35.95	1.76	1.95	±5	2024/12/3
5250	22.5	4.582	36.287	4.71	35.95	-2.72	0.94	±5	2024/12/5
5250	22.1	4.685	36.393	4.71	35.95	-0.53	1.23	±5	2024/12/7
5600	22.5	5.031	35.883	5.07	35.50	-0.77	1.08	±5	2024/11/30
5600	22.5	4.939	35.805	5.07	35.50	-2.58	0.86	±5	2024/12/5
5600	22.1	5.020	35.913	5.07	35.50	-0.99	1.16	±5	2024/12/7
5800	22.5	5.213	35.536	5.27	35.30	-1.08	0.67	±5	2024/12/1
5800	22.2	5.360	35.953	5.27	35.30	1.71	1.85	±5	2024/12/3
5800	22.5	5.148	35.556	5.27	35.30	-2.31	0.73	±5	2024/12/5
5800	22.1	5.244	35.676	5.27	35.30	-0.49	1.07	±5	2024/12/7
6500	22.6	6.100	34.600	6.07	34.50	0.49	0.29	±5	2024/12/8
6500	22.5	6.160	35.300	6.07	34.50	1.48	2.32	±5	2024/12/8



9.2 System Performance Check Results

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

Test Site	Date	Frequency (MHz)	Input Power (mW)	Dipole S/N	Probe S/N	DAE S/N	Measured 1g SAR (W/kg)	Targeted 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Measured 10g SAR (W/kg)	Targeted 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (%)
SAR-05	2024/10/22	750	50	D750V3-1012	EX3DV4 - SN7306	DAE4 Sn1326	0.431	8.400	8.62	2.62	0.290	5.410	5.8	7.21
SAR-05	2024/10/23	750	50	D750V3-1012	EX3DV4 - SN7306	DAE4 Sn1326	0.430	8.400	8.6	2.38	0.288	5.410	5.76	6.47
SAR-05	2024/11/5	750	50	D750V3-1117	EX3DV4 - SN7306	DAE4 Sn1326	0.468	8.520	9.36	9.86	0.302	5.600	6.04	7.86
SAR-06	2024/11/5	750	50	D750V3-1117	EX3DV4 - SN3925	DAE4 Sn1326	0.416	8.520	8.32	-2.35	0.268	5.600	5.36	-4.29
SAR-05	2024/11/9	750	50	D750V3-1117	EX3DV4 - SN7306	DAE4 Sn1326	0.427	8.520	8.54	0.23	0.282	5.600	5.64	0.71
SAR-05	2024/11/15	750	50	D750V3-1107	EX3DV4 - SN7306	DAE4 Sn1326	0.432	8.540	8.64	1.17	0.291	5.570	5.82	4.49
SAR-05	2024/11/16	750	50	D750V3-1107	EX3DV4 - SN7306	DAE4 Sn1326	0.469	8.540	9.38	9.84	0.305	5.570	6.1	9.52
SAR-05	2024/11/17	750	50	D750V3-1107	EX3DV4 - SN7306	DAE4 Sn1326	0.413	8.540	8.26	-3.28	0.270	5.570	5.4	-3.05
SAR-05	2024/12/8	750	50	D750V3-1117	EX3DV4 - SN7306	DAE4 Sn1326	0.421	8.520	8.42	-1.17	0.282	5.600	5.64	0.71
SAR-05	2024/12/12	750	50	D750V3-1012	EX3DV4 - SN7306	DAE4 Sn1326	0.417	8.400	8.34	-0.71	0.281	5.410	5.62	3.88
SAR-05	2024/12/14	750	50	D750V3-1012	EX3DV4 - SN7306	DAE4 Sn1326	0.421	8.400	8.42	0.24	0.282	5.410	5.64	4.25
SAR-05	2024/11/5	835	50	D835V2-4d060	EX3DV4 - SN7306	DAE4 Sn1326	0.527	9.730	10.54	8.32	0.346	6.390	6.92	8.29
SAR-06	2024/11/5	835	250	D835V2-4d060	EX3DV4 - SN3925	DAE4 Sn1326	2.670	9.730	10.68	9.76	1.750	6.390	7	9.55
SAR-05	2024/11/8	835	50	D835V2-4d060	EX3DV4 - SN7306	DAE4 Sn1326	0.509	9.730	10.18	4.62	0.333	6.390	6.66	4.23
SAR-05	2024/11/18	835	50	D835V2-499	EX3DV4 - SN7306	DAE4 Sn1326	0.507	9.440	10.14	7.42	0.329	6.050	6.58	8.76
SAR-05	2024/11/19	835	50	D835V2-4d167	EX3DV4 - SN7306	DAE4 Sn1326	0.531	9.800	10.62	8.37	0.350	6.380	7	9.72
SAR-05	2024/12/8	835	50	D835V2-4d060	EX3DV4 - SN7306	DAE4 Sn1326	0.467	9.730	9.34	-4.01	0.310	6.390	6.2	-2.97
SAR-05	2024/12/13	835	50	D835V2-4d060	EX3DV4 - SN7306	DAE4 Sn1326	0.497	9.730	9.94	2.16	0.330	6.390	6.6	3.29
SAR-06	2024/11/6	1750	50	D1750V2-1112	EX3DV4 - SN3925	DAE4 Sn1326	1.690	36.900	33.8	-8.40	0.889	19.400	17.78	-8.35
SAR-05	2024/11/6	1750	50	D1750V2-1112	EX3DV4 - SN7306	DAE4 Sn1326	1.860	36.900	37.2	0.81	0.993	19.400	19.86	2.37
SAR-05	2024/11/10	1750	50	D1750V2-1112	EX3DV4 - SN7306	DAE4 Sn1326	1.840	36.900	36.8	-0.27	0.987	19.400	19.74	1.75
SAR-05	2024/11/11	1750	50	D1750V2-1112	EX3DV4 - SN7306	DAE4 Sn1326	1.830	36.900	36.6	-0.81	0.980	19.400	19.6	1.03
SAR-05	2024/11/20	1750	50	D1750V2-1068	EX3DV4 - SN7306	DAE4 Sn1326	1.880	36.700	37.6	2.45	1.000	19.300	20	3.63
SAR-05	2024/12/9	1750	50	D1750V2-1120	EX3DV4 - SN7306	DAE4 Sn1326	1.840	36.400	36.8	1.10	1.020	19.100	20.4	6.81
SAR-05	2024/12/15	1750	50	D1750V2-1120	EX3DV4 - SN7306	DAE4 Sn1326	1.840	36.400	36.8	1.10	1.000	19.100	20	4.71
SAR-05	2024/12/16	1750	50	D1750V2-1120	EX3DV4 - SN7306	DAE4 Sn1326	1.830	36.400	36.6	0.55	0.997	19.100	19.94	4.40
SAR-06	2024/11/6	1900	50	D1900V2-5d093	EX3DV4 - SN3925	DAE4 Sn1326	1.840	39.900	36.8	-7.77	0.954	20.700	19.08	-7.83
SAR-05	2024/11/6	1900	50	D1900V2-5d093	EX3DV4 - SN7306	DAE4 Sn1326	1.940	39.900	38.8	-2.76	1.020	20.700	20.4	-1.45
SAR-05	2024/11/10	1900	50	D1900V2-5d093	EX3DV4 - SN7306	DAE4 Sn1326	2.120	39.900	42.4	6.27	1.110	20.700	22.2	7.25
SAR-05	2024/11/22	1900	50	D1900V2-5d185	EX3DV4 - SN7306	DAE4 Sn1326	1.850	39.000	37	-5.13	0.983	20.400	19.66	-3.63
SAR-05	2024/12/9	1900	50	D1900V2-5d041	EX3DV4 - SN7306	DAE4 Sn1326	1.910	39.200	38.2	-2.55	1.010	20.700	20.2	-2.42
SAR-05	2024/12/15	1900	50	D1900V2-5d185	EX3DV4 - SN7306	DAE4 Sn1326	1.880	39.000	37.6	-3.59	0.999	20.400	19.98	-2.06
SAR-05	2024/11/3	2300	250	D2300V2-1006	EX3DV4 - SN7306	DAE4 Sn1326	11.700	48.300	46.8	-3.11	5.780	23.500	23.12	-1.62
SAR-06	2024/11/4	2300	50	D2300V2-1006	EX3DV4 - SN3925	DAE4 Sn1326	2.650	48.300	53	9.73	1.290	23.500	25.8	9.79
SAR-05	2024/11/4	2300	250	D2300V2-1006	EX3DV4 - SN7306	DAE4 Sn1326	11.800	48.300	47.2	-2.28	5.810	23.500	23.24	-1.11
SAR-05	2024/11/12	2300	50	D2300V2-1006	EX3DV4 - SN7306	DAE4 Sn1326	2.450	48.300	49	1.45	1.200	23.500	24	2.13
SAR-05	2024/11/24	2300	50	D2300V2-1006	EX3DV4 - SN7306	DAE4 Sn1326	2.210	48.300	44.2	-8.49	1.140	23.500	22.8	-2.98
SAR-05	2024/12/10	2300	50	D2300V2-1006	EX3DV4 - SN7306	DAE4 Sn1326	2.190	48.300	43.8	-9.32	1.070	23.500	21.4	-8.94
SAR-05	2024/12/23	2300	50	D2300V2-1006	EX3DV4 - SN7306	DAE4 Sn1326	2.260	48.300	45.2	-6.42	1.110	23.500	22.2	-5.53
SAR-05	2024/11/3	2600	250	D2600V2-1008	EX3DV4 - SN7306	DAE4 Sn1326	12.700	55.700	50.8	-8.80	5.940	25.300	23.76	-6.09
SAR-06	2024/11/4	2600	50	D2600V2-1008	EX3DV4 - SN3925	DAE4 Sn1326	2.750	55.700	55	-1.26	1.250	25.300	25	-1.19
SAR-05	2024/11/4	2600	250	D2600V2-1008	EX3DV4 - SN7306	DAE4 Sn1326	12.800	55.700	51.2	-8.08	5.970	25.300	23.88	-5.61
SAR-05	2024/11/13	2600	50	D2600V2-1008	EX3DV4 - SN7306	DAE4 Sn1326	2.660	55.700	53.2	-4.49	1.220	25.300	24.4	-3.56
SAR-05	2024/11/14	2600	50	D2600V2-1008	EX3DV4 - SN7306	DAE4 Sn1326	2.640	55.700	52.8	-5.21	1.200	25.300	24	-5.14
SAR-05	2024/11/25	2600	50	D2600V2-1078	EX3DV4 - SN7306	DAE4 Sn1326	2.500	55.400	50	-9.75	1.140	24.900	22.8	-8.43
SAR-05	2024/11/26	2600	50	D2600V2-1078	EX3DV4 - SN7306	DAE4 Sn1326	2.500	55.400	50	-9.75	1.190	24.900	23.8	-4.42
SAR-05	2024/11/27	2600	50	D2600V2-1008	EX3DV4 - SN7306	DAE4 Sn1326	2.710	55.700	54.2	-2.69	1.300	25.300	26	2.77
SAR-05	2024/12/10	2600	50	D2600V2-1008	EX3DV4 - SN7306	DAE4 Sn1326	2.520	55.700	50.4	-9.52	1.150	25.300	23	-9.09
SAR-05	2024/12/17	2600	50	D2600V2-1078	EX3DV4 - SN7306	DAE4 Sn1326	2.520	55.400	50.4	-9.03	1.160	24.900	23.2	-6.83
SAR-05	2024/12/23	2600	50	D2600V2-1078	EX3DV4 - SN7306	DAE4 Sn1326	2.560	55.400	51.2	-7.58	1.170	24.900	23.4	-6.02
SAR-05	2024/10/25	3500	50	D3500V2-1036	EX3DV4 - SN7306	DAE4 Sn1326	3.510	67.400	70.2	4.15	1.380	25.100	27.6	9.96
SAR-05	2024/10/28	3500	50	D3500V2-1036	EX3DV4 - SN7306	DAE4 Sn1326	3.490	67.400	69.8	3.56	1.370	25.100	27.4	9.16



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SAR-05	2024/10/30	3500	50	D3500V2-1036	EX3DV4 - SN7306	DAE4 Sn1326	3.480	67.400	69.6	3.26	1.350	25.100	27	7.57
SAR-05	2024/10/31	3500	50	D3500V2-1036	EX3DV4 - SN7306	DAE4 Sn1326	3.460	67.400	69.2	2.67	1.350	25.100	27	7.57
SAR-05	2024/11/1	3500	50	D3500V2-1036	EX3DV4 - SN7306	DAE4 Sn1326	3.440	67.400	68.8	2.08	1.350	25.100	27	7.57
SAR-05	2024/11/7	3500	50	D3500V2-1036	EX3DV4 - SN7306	DAE4 Sn1326	3.240	67.400	64.8	-3.86	1.240	25.100	24.8	-1.20
SAR-05	2024/11/21	3500	50	D3500V2-1036	EX3DV4 - SN7306	DAE4 Sn1326	3.440	67.400	68.8	2.08	1.340	25.100	26.8	6.77
SAR-05	2024/11/23	3500	50	D3500V2-1036	EX3DV4 - SN7306	DAE4 Sn1326	3.430	67.400	68.6	1.78	1.340	25.100	26.8	6.77
SAR-05	2024/11/28	3500	50	D3500V2-1036	EX3DV4 - SN7306	DAE4 Sn1326	3.510	67.400	70.2	4.15	1.380	25.100	27.6	9.96
SAR-05	2024/11/29	3500	50	D3500V2-1036	EX3DV4 - SN7306	DAE4 Sn1326	3.450	67.400	69	2.37	1.350	25.100	27	7.57
SAR-05	2024/12/11	3500	50	D3500V2-1036	EX3DV4 - SN7306	DAE4 Sn1326	3.460	67.400	69.2	2.67	1.350	25.100	27	7.57
SAR-05	2024/12/18	3500	50	D3500V2-1036	EX3DV4 - SN7306	DAE4 Sn1326	3.360	67.400	67.2	-0.30	1.310	25.100	26.2	4.38
SAR-05	2024/12/19	3500	50	D3500V2-1036	EX3DV4 - SN7306	DAE4 Sn1326	3.340	67.400	66.8	-0.89	1.300	25.100	26	3.59
SAR-05	2024/10/25	3700	50	D3700V2-1006	EX3DV4 - SN7306	DAE4 Sn1326	3.370	65.600	67.4	2.74	1.270	23.700	25.4	7.17
SAR-05	2024/10/29	3700	50	D3700V2-1006	EX3DV4 - SN7306	DAE4 Sn1326	3.280	65.600	65.6	0.00	1.250	23.700	25	5.49
SAR-05	2024/10/30	3700	50	D3700V2-1006	EX3DV4 - SN7306	DAE4 Sn1326	3.300	65.600	66	0.61	1.250	23.700	25	5.49
SAR-05	2024/10/31	3700	50	D3700V2-1006	EX3DV4 - SN7306	DAE4 Sn1326	3.270	65.600	65.4	-0.30	1.240	23.700	24.8	4.64
SAR-05	2024/11/1	3700	50	D3700V2-1006	EX3DV4 - SN7306	DAE4 Sn1326	3.260	65.600	65.2	-0.61	1.240	23.700	24.8	4.64
SAR-05	2024/11/7	3700	50	D3700V2-1006	EX3DV4 - SN7306	DAE4 Sn1326	3.320	65.600	66.4	1.22	1.240	23.700	24.8	4.64
SAR-05	2024/11/28	3700	50	D3700V2-1006	EX3DV4 - SN7306	DAE4 Sn1326	3.350	65.600	67	2.13	1.270	23.700	25.4	7.17
SAR-05	2024/12/2	3700	50	D3700V2-1006	EX3DV4 - SN7306	DAE4 Sn1326	3.230	65.600	64.6	-1.52	1.220	23.700	24.4	2.95
SAR-05	2024/12/3	3700	50	D3700V2-1006	EX3DV4 - SN7306	DAE4 Sn1326	3.220	65.600	64.4	-1.83	1.220	23.700	24.4	2.95
SAR-05	2024/12/11	3700	50	D3700V2-1006	EX3DV4 - SN7306	DAE4 Sn1326	3.200	65.600	64	-2.44	1.210	23.700	24.2	2.11
SAR-05	2024/12/20	3700	50	D3700V2-1006	EX3DV4 - SN7306	DAE4 Sn1326	3.310	65.600	66.2	0.91	1.260	23.700	25.2	6.33
SAR-05	2024/12/24	3700	50	D3700V2-1006	EX3DV4 - SN7306	DAE4 Sn1326	3.290	65.600	65.8	0.30	1.250	23.700	25	5.49
SAR-05	2024/10/26	3900	50	D3900V2-1017-3900	EX3DV4 - SN7306	DAE4 Sn1326	3.310	68.700	66.2	-3.64	1.200	23.900	24	0.42
SAR-05	2024/10/27	3900	50	D3900V2-1017-3900	EX3DV4 - SN7306	DAE4 Sn1326	3.290	68.700	65.8	-4.22	1.190	23.900	23.8	-0.42
SAR-05	2024/10/30	3900	50	D3900V2-1017-3900	EX3DV4 - SN7306	DAE4 Sn1326	3.240	68.700	64.8	-5.68	1.180	23.900	23.6	-1.26
SAR-05	2024/10/31	3900	50	D3900V2-1017-3900	EX3DV4 - SN7306	DAE4 Sn1326	3.250	68.700	65	-5.39	1.170	23.900	23.4	-2.09
SAR-05	2024/11/1	3900	50	D3900V2-1017-3900	EX3DV4 - SN7306	DAE4 Sn1326	3.240	68.700	64.8	-5.68	1.170	23.900	23.4	-2.09
SAR-05	2024/11/2	3900	50	D3900V2-1017-3900	EX3DV4 - SN7306	DAE4 Sn1326	3.230	68.700	64.6	-5.97	1.170	23.900	23.4	-2.09
SAR-05	2024/11/7	3900	50	D3900V2-1017-3900	EX3DV4 - SN7306	DAE4 Sn1326	3.400	68.700	68	-1.02	1.210	23.900	24.2	1.26
SAR-05	2024/11/28	3900	50	D3900V2-1017-3900	EX3DV4 - SN7306	DAE4 Sn1326	3.300	68.700	66	-3.93	1.190	23.900	23.8	-0.42
SAR-05	2024/11/29	3900	50	D3900V2-1017-3900	EX3DV4 - SN7306	DAE4 Sn1326	3.250	68.700	65	-5.39	1.180	23.900	23.6	-1.26
SAR-05	2024/11/30	3900	50	D3900V2-1017-3900	EX3DV4 - SN7306	DAE4 Sn1326	3.200	68.700	64	-6.84	1.150	23.900	23	-3.77
SAR-05	2024/12/1	3900	50	D3900V2-1017-3900	EX3DV4 - SN7306	DAE4 Sn1326	3.200	68.700	64	-6.84	1.160	23.900	23.2	-2.93
SAR-05	2024/12/11	3900	50	D3900V2-1017-3900	EX3DV4 - SN7306	DAE4 Sn1326	3.240	68.700	64.8	-5.68	1.170	23.900	23.4	-2.09
SAR-05	2024/12/21	3900	50	D3900V2-1017-3900	EX3DV4 - SN7306	DAE4 Sn1326	3.280	68.700	65.6	-4.51	1.190	23.900	23.8	-0.42
SAR-05	2024/12/22	3900	50	D3900V2-1017-3900	EX3DV4 - SN7306	DAE4 Sn1326	3.250	68.700	65	-5.39	1.180	23.900	23.6	-1.26

Test Site	Date	Frequency (MHz)	Input Power (mW)	Dipole S/N	Probe S/N	DAE S/N	Measured 1g SAR (W/kg)	Targeted 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Measured 10g SAR (W/kg)	Targeted 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (%)
SAR-03	2024/11/22	13	100	CLA13-1011	EX3DV4 - SN3642	DAE4 Sn1512	0.050	0.544	0.5	-7.41	0.031	0.340	0.31	-8.82
SAR-03	2024/11/29	2450	50	D2450V2-736	EX3DV4 - SN3642	DAE4 Sn1512	2.430	51.400	48.6	-5.45	1.170	24.200	23.4	-3.31
SAR-03	2024/12/2	2450	50	D2450V2-736	EX3DV4 - SN3642	DAE4 Sn1512	2.350	51.400	47	-8.56	1.140	24.200	22.8	-5.79
SAR-03	2024/12/4	2450	50	D2450V2-736	EX3DV4 - SN3642	DAE4 Sn1512	2.370	51.400	47.4	-7.78	1.150	24.200	23	-4.96
SAR-03	2024/12/6	2450	50	D2450V2-736	EX3DV4 - SN3642	DAE4 Sn1512	2.460	51.400	49.2	-4.28	1.200	24.200	24	-0.83
SAR-03	2024/12/7	2450	50	D2450V2-736	EX3DV4 - SN3642	DAE4 Sn1512	2.330	51.400	46.6	-9.34	1.130	24.200	22.6	-6.61
SAR-03	2024/11/30	5250	50	D5GHzV2-1171-5250	EX3DV4 - SN3642	DAE4 Sn1512	4.110	78.700	82.2	4.45	1.190	22.700	23.8	4.85
SAR-03	2024/12/3	5250	50	D5GHzV2-1171-5250	EX3DV4 - SN3642	DAE4 Sn1512	4.180	78.700	83.6	6.23	1.200	22.700	24	5.73
SAR-03	2024/12/5	5250	50	D5GHzV2-1171-5250	EX3DV4 - SN3642	DAE4 Sn1512	4.010	78.700	80.2	1.91	1.150	22.700	23	1.32
SAR-03	2024/12/7	5250	50	D5GHzV2-1171-5250	EX3DV4 - SN3642	DAE4 Sn1512	4.090	78.700	81.8	3.94	1.170	22.700	23.4	3.08
SAR-03	2024/11/30	5600	50	D5GHzV2-1171-5600	EX3DV4 - SN3642	DAE4 Sn1512	3.840	81.400	76.8	-5.65	1.130	23.400	22.6	-3.42
SAR-03	2024/12/5	5600	50	D5GHzV2-1171-5600	EX3DV4 - SN3642	DAE4 Sn1512	3.770	81.400	75.4	-7.37	1.110	23.400	22.2	-5.13
SAR-03	2024/12/7	5600	50	D5GHzV2-1171-5600	EX3DV4 - SN3642	DAE4 Sn1512	4.430	81.400	88.6	8.85	1.250	23.400	25	6.84
SAR-03	2024/12/1	5800	50	D5GHzV2-1171-5800	EX3DV4 - SN3642	DAE4 Sn1512	4.290	78.900	85.8	8.75	1.200	22.400	24	7.14
SAR-03	2024/12/3	5800	50	D5GHzV2-1171-5800	EX3DV4 - SN3642	DAE4 Sn1512	4.080	78.900	81.6	3.42	1.190	22.400	23.8	6.25
SAR-03	2024/12/5	5800	50	D5GHzV2-1171-5800	EX3DV4 - SN3642	DAE4 Sn1512	3.920	78.900	78.4	-0.63	1.140	22.400	22.8	1.79
SAR-03	2024/12/7	5800	50	D5GHzV2-1171-5800	EX3DV4 - SN3642	DAE4 Sn1512	3.990	78.900	79.8	1.14	1.160	22.400	23.2	3.57
SAR-03	2024/12/8	6500	100	D6.5GHzV2-1003	EX3DV4 - SN3642	DAE4 Sn1512	27.000	293.000	270	-7.85	4.980	53.800	49.8	-7.43
SAR-04	2024/12/8	6500	100	D6.5GHzV2-1003	EX3DV4 - SN7822	DAE4ip Sn1823	28.700	293.000	287	-2.05	5.440	53.800	54.4	1.12

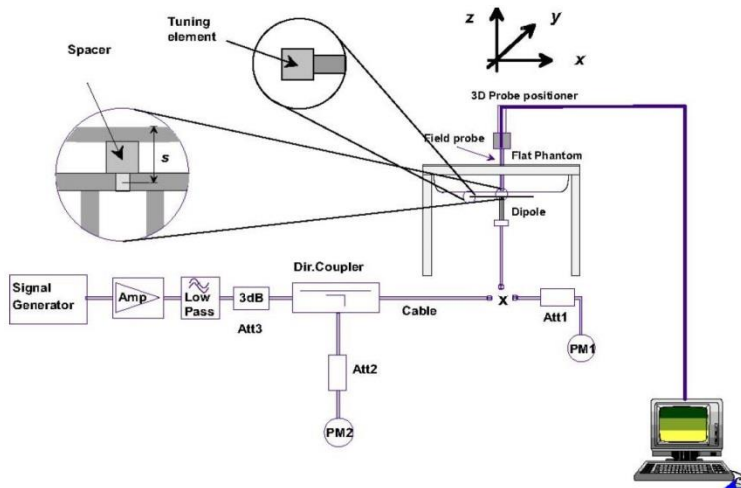


Fig 8.3.1 System Performance Check Setup



Fig 8.3.2 Setup Photo

9.3 PD System Performance Check Results

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

Test Location	Frequency (GHz)	5G Verification Source	Probe S/N	DAE S/N	Distance (mm)	Measured 4 cm ² (W/m ²)	Targeted 4 cm ² (W/m ²)	Deviation (dB)	Date
SAR01	10G	10GHz_1020	SN9424	DAE4-854	10mm	55.7	55.8	-0.01	2024/11/24

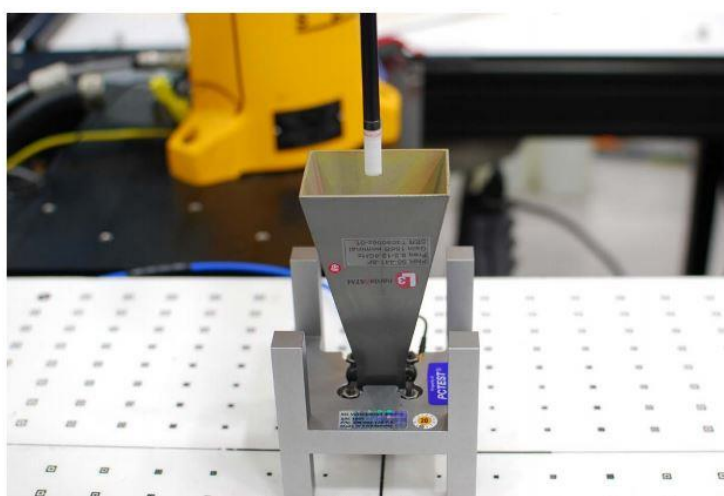


Figure 4-3
System Verification Setup Photo

System Performance Check Setup

10. RF Exposure Positions

10.1 Body Worn Accessory

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

Accessories for body-worn operation configurations are divided into two categories: those that do not contain metallic components and those that do contain metallic components. When multiple accessories that do not contain metallic components are supplied with the device, the device is tested with only the accessory that dictates the closest spacing to the body. Then multiple accessories that contain metallic components are tested 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.

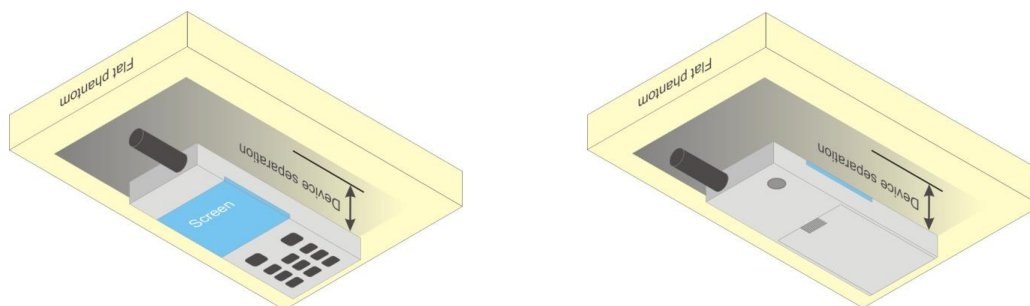


Fig 9.4 Body Worn Position

10.2 Extremity Exposure

For smart phones with a display diagonal dimension $> 15.0 \text{ cm}$ or an overall diagonal dimension $> 16.0 \text{ cm}$ 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 $\leq 25 \text{ mm}$ 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 $> 1.2 \text{ W/kg}$.



10.3 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 ($L \times W \geq 9 \text{ cm} \times 5 \text{ cm}$) 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.

11. Carrier Aggregation

<LTE Downlink carrier aggregation>

General Note:

1. This device supports carrier aggregation on downlink for inter and intra band, 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, and 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 Uplink carrier aggregation>

Number	Combination
1	2C
2	5B
3	7C
4	38C
5	41C
6	41D
7	48C
8	66B
9	66C

<Intra-band>

General Note:

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

DSI 0

CA_2C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
18700	18898	QPSK	1	0	0	0	1	0	25.22	25.7
18900	18702	QPSK	1	0	0	0	1	0	25.31	25.7
19100	18902	QPSK	1	0	0	0	1	0	25.11	25.7

CA_5B_Ant 1										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	25.46	25.7
20475	20574	QPSK	1	49	1	0	2	0	25.52	25.7
20600	20501	QPSK	1	0	1	49	2	0	25.43	25.7

CA_7C_Ant 5										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	0	0	0	1	0	25.28	25.7
21100	20902	QPSK	1	0	1	99	2	0	25.39	25.7
21350	21152	QPSK	1	0	1	99	2	0	25.26	25.7

CA_66B_Ant 1										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	25.21	25.7
132322	132229	QPSK	1	0	1	24	2	0	25.33	25.7
132597	132504	QPSK	1	0	1	24	2	0	25.23	25.7

CA_66C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	25.13	25.7
132322	132124	QPSK	1	0	1	99	2	0	25.28	25.7
132572	132374	QPSK	1	0	1	99	2	0	25.22	25.7

CA_38C_Ant 5										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	0	0	0	1	0	24.08	25
37901	38099	QPSK	1	0	0	0	1	0	24.13	25
38150	37952	QPSK	1	0	1	99	2	0	24.11	25

CA_41C_Ant 5										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	24.05	25
40185	39987	QPSK	1	0	1	99	2	0	24.09	25
40620	40422	QPSK	1	0	1	99	2	0	24.58	25
41055	40857	QPSK	1	0	1	99	2	0	24.23	25
41490	41292	QPSK	1	0	1	99	2	0	24.39	25

CA_41D_Ant 5													
Combination 20MHz+20MHz+20MHz (100RB+100RB+100RB)													
PCC Channel	SCC Channel	SCC Channel	Modulation	PCC		SCC2		SCC3		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
				RB Size	RB offset	RB Size	RB offset	RB Size	RB offset				
39750	39948	40146	QPSK	1	0	0	0	0	0	1	0	24.11	25
40185	39987	39789	QPSK	1	0	1	99	1	99	3	0	24.08	25
40620	40422	40224	QPSK	1	0	1	99	1	99	3	0	24.46	25
41055	40857	40659	QPSK	1	0	1	99	1	99	3	0	24.15	25
41490	41292	41094	QPSK	1	0	1	99	1	99	3	0	24.35	25

CA_48C_Ant 8										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	0	0	0	1	0	24.11	24.3
55830	55632	QPSK	1	0	1	99	2	0	24.13	24.3
56150	55952	QPSK	1	0	1	99	2	0	24.11	24.3
56640	56442	QPSK	1	0	1	99	2	0	24.22	24.3

DSI 1 (WLAN OFF)

CA_2C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
18700	18898	QPSK	1	0	0	0	1	0	24.42	24.7
18900	18702	QPSK	1	0	0	0	1	0	24.41	24.7
19100	18902	QPSK	1	0	0	0	1	0	24.36	24.7

CA_5B_Ant 1										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	25.46	25.7
20475	20574	QPSK	1	49	1	0	2	0	25.52	25.7
20600	20501	QPSK	1	0	1	49	2	0	25.43	25.7

CA_7C_Ant 5										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	0	0	0	1	0	25.28	25.7
21100	20902	QPSK	1	0	1	99	2	0	25.3	25.7
21350	21152	QPSK	1	0	1	99	2	0	25.26	25.7

CA_66B_Ant 1										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	22.36	22.6
132322	132229	QPSK	1	0	1	24	2	0	22.15	22.6
132597	132504	QPSK	1	0	1	24	2	0	22.26	22.6

CA_66C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	22.35	22.6
132322	132124	QPSK	1	0	1	99	2	0	22.28	22.6
132572	132374	QPSK	1	0	1	99	2	0	22.13	22.6

CA_38C_Ant 5										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	0	0	0	1	0	24.08	25
37901	38099	QPSK	1	0	0	0	1	0	24.13	25
38150	37952	QPSK	1	0	1	99	2	0	24.11	25

CA_41C_Ant 5										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	24.05	25
40185	39987	QPSK	1	0	1	99	2	0	24.09	25
40620	40422	QPSK	1	0	1	99	2	0	24.58	25
41055	40857	QPSK	1	0	1	99	2	0	24.51	25
41490	41292	QPSK	1	0	1	99	2	0	24.39	25

CA_41D_Ant 5													
Combination 20MHz+20MHz+20MHz (100RB+100RB+100RB)													
PCC Channel	SCC Channel	SCC Channel	Modulation	PCC		SCC2		SCC3		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
				RB Size	RB offset	RB Size	RB offset	RB Size	RB offset				
39750	39948	40146	QPSK	1	0	0	0	0	0	1	0	24.11	25
40185	39987	39789	QPSK	1	0	1	99	1	99	3	0	24.08	25
40620	40422	40224	QPSK	1	0	1	99	1	99	3	0	24.46	25
41055	40857	40659	QPSK	1	0	1	99	1	99	3	0	24.33	25
41490	41292	41094	QPSK	1	0	1	99	1	99	3	0	24.35	25

CA_48C_Ant 8										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	0	0	0	1	0	24.11	24.3
55830	55632	QPSK	1	0	1	99	2	0	24.13	24.3
56150	55952	QPSK	1	0	1	99	2	0	24.11	24.3
56640	56442	QPSK	1	0	1	99	2	0	24.22	24.3

DSI 3

CA_2C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
18700	18898	QPSK	1	0	0	0	1	0	21.66	22
18900	18702	QPSK	1	0	0	0	1	0	21.52	22
19100	18902	QPSK	1	0	0	0	1	0	21.33	22

CA_5B_Ant 1										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	23.02	23.5
20475	20574	QPSK	1	49	1	0	2	0	23.11	23.5
20600	20501	QPSK	1	0	1	49	2	0	23.01	23.5

CA_7C_Ant 5										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	0	0	0	1	0	21.52	22.5
21100	20902	QPSK	1	0	1	99	2	0	22.02	22.5
21350	21152	QPSK	1	0	1	99	2	0	21.93	22.5

CA_66B_Ant 1										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	20.43	20.6
132322	132229	QPSK	1	0	1	24	2	0	20.32	20.6
132597	132504	QPSK	1	0	1	24	2	0	20.28	20.6

CA_66C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	20.38	20.6
132322	132124	QPSK	1	0	1	99	2	0	20.33	20.6
132572	132374	QPSK	1	0	1	99	2	0	20.19	20.6

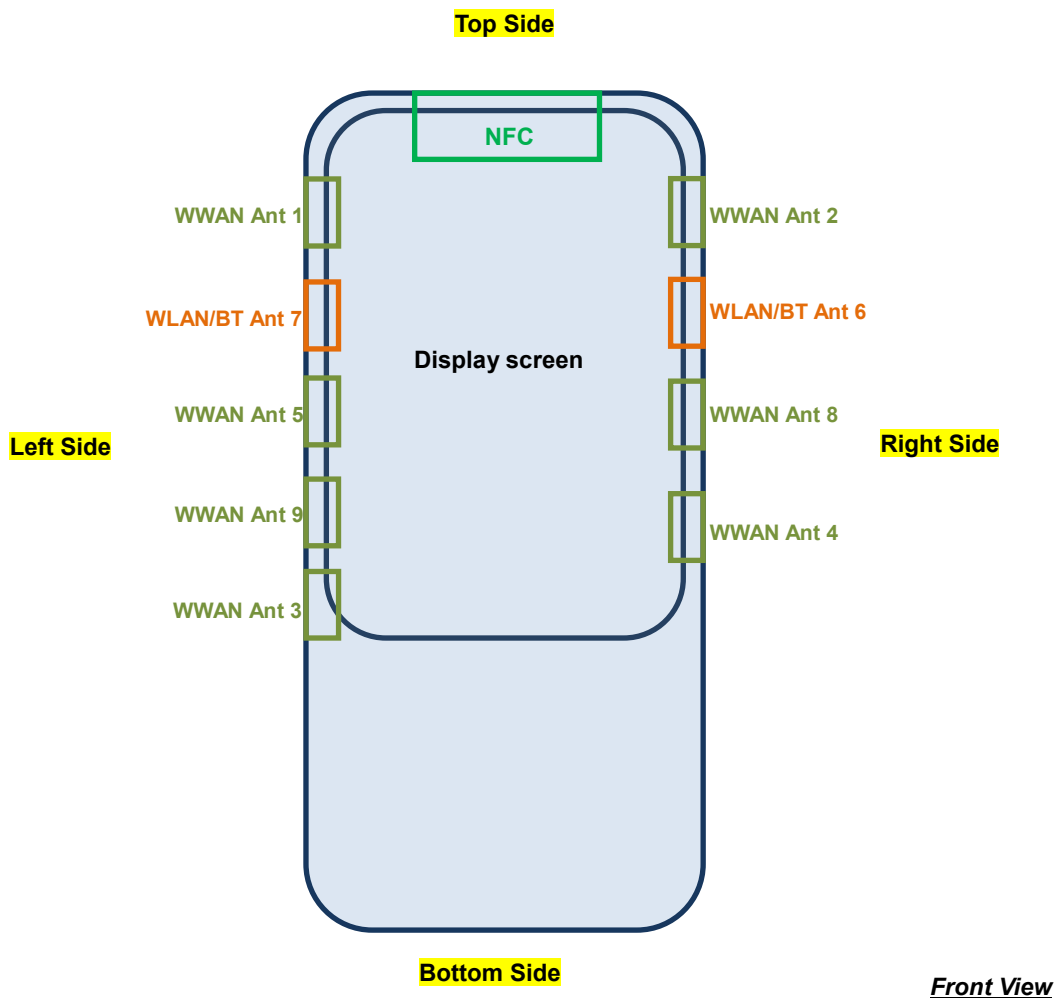
CA_38C_Ant 5										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	0	0	0	1	0	22.46	23.5
37901	38099	QPSK	1	0	0	0	1	0	22.45	23.5
38150	37952	QPSK	1	0	1	99	2	0	22.69	23.5

CA_41C_Ant 5										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	22.31	23.5
40185	39987	QPSK	1	0	1	99	2	0	22.35	23.5
40620	40422	QPSK	1	0	1	99	2	0	22.59	23.5
41055	40857	QPSK	1	0	1	99	2	0	22.41	23.5
41490	41292	QPSK	1	0	1	99	2	0	22.38	23.5

CA_41D_Ant 5													
Combination 20MHz+20MHz+20MHz (100RB+100RB+100RB)													
PCC Channel	SCC Channel	SCC Channel	Modulation	PCC		SCC2		SCC3		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
				RB Size	RB offset	RB Size	RB offset	RB Size	RB offset				
39750	39948	40146	QPSK	1	0	0	0	0	0	1	0	22.25	23.5
40185	39987	39789	QPSK	1	0	1	99	1	99	3	0	22.29	23.5
40620	40422	40224	QPSK	1	0	1	99	1	99	3	0	22.61	23.5
41055	40857	40659	QPSK	1	0	1	99	1	99	3	0	22.39	23.5
41490	41292	41094	QPSK	1	0	1	99	1	99	3	0	22.36	23.5

CA_48C_Ant 8										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	0	0	0	1	0	21.69	22.5
55830	55632	QPSK	1	0	1	99	2	0	21.62	22.5
56150	55952	QPSK	1	0	1	99	2	0	21.81	22.5
56640	56442	QPSK	1	0	1	99	2	0	21.88	22.5

12. Antenna Location



Distance of the Antenna to the EUT surface/edge						
Antennas	Back	Front	Top Side	Bottom Side	Right Side	Left Side
WWAN Ant 1	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	>25mm	≤ 25mm
WWAN Ant 2	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	≤ 25mm	>25mm
WWAN Ant 3	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	>25mm	≤ 25mm
WWAN Ant 4	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	≤ 25mm	>25mm
WWAN Ant 5	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	>25mm	≤ 25mm
WWAN Ant 8	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	≤ 25mm	>25mm
WWAN Ant 9	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	>25mm	≤ 25mm
BT&WLAN Ant 6	≤ 25mm	≤ 25mm	>25mm	>25mm	≤ 25mm	>25mm
BT&WLAN Ant 7	≤ 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	No	Yes
WWAN Ant 2	Yes	Yes	Yes	No	Yes	No
WWAN Ant 3	Yes	Yes	Yes	No	No	Yes
WWAN Ant 4	Yes	Yes	Yes	No	Yes	No
WWAN Ant 5	Yes	Yes	Yes	No	No	Yes
WWAN Ant 8	Yes	Yes	Yes	No	Yes	No
WWAN Ant 9	Yes	Yes	Yes	No	No	Yes
BT&WLAN Ant 6	Yes	Yes	No	No	Yes	No
BT&WLAN Ant 7	Yes	Yes	No	No	No	Yes

General Note:

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

13. SAR Test Results

General Note:

1. Per KDB 447498 D01v06, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - b. For WWAN: Reported SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
 - c. For TDD LTE SAR measurement, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix $63.3\%/62.9\% = 1.006$ is applied to scale-up the measured SAR result. The Reported TDD LTE SAR = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.
2. Per KDB 447498 D01v06, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the *reported* 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
 - ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
 - ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz
3. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥ 0.8 W/kg.
4. 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 extremity SAR is required.
6. When the WiFi is on or off, the device WWAN operation will limit different output power, the RF Exposure evaluation was used higher power level perform and assessment Sim-Tx analysis, if some exposure position does not meet simultaneous transmission requirement, additional SAR at lower power level to meet Sim-Tx compliance.
7. When the WWAN is on or off, the device WLAN operation will limit different output power, the RF Exposure evaluation was used higher power level perform and assessment Sim-Tx analysis, if some exposure position does not meet simultaneous transmission requirement, additional SAR at lower power level to meet Sim-Tx compliance.
8. The device support DBS mode (Dual band simultaneous) for WLAN operation, for RF Exposure was performed at non-DBS power level to do DBS Sim-Tx analysis, if some exposure position does not meet simultaneous transmission requirement additional SAR at DBS power level to meet Sim-Tx compliance.

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 $\leq 1/4$ dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA / DC-HSDPA to RMC12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA, and according to the following RF output power, the output power results of the secondary modes (HSUPA, HSDPA, DC-HSDPA) are less than $1/4$ 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. The NR n2/38 SAR test was covered by NR n25/41; due to SAR test for overlapping NR bands can be reduced if the maximum power including tolerance, for the smaller band is $\leq$ the larger band to qualify for the SAR test exclusion and the channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band.
 - g. Due to test setup limitations, SAR testing for NR was performed using Factory Test Mode software to establish the connection and perform SAR with 100% transmission. And only for TDD power class2 was performed using Factory Test Mode software to establish the connection and perform SAR with 50% transmission.

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 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 determination of the scaling factor for report SAR of MIMO mode, if the hot spots are separated the scaling factors are individually determined from each transmit chain. If the hot spots are not spatially separated, the scaling factor is determined from the worst number of each transmit chain.
6. Additional SISO operation for 2.4GHz WLAN is performed Sim-Tx analysis.
7. During SAR testing the WLAN transmission was verified using a spectrum analyzer.

WLAN PD Note:

1. The WiFi 6E PD was performed according 2020 TCB workshop RF Exposure 5G RFX Policies Interim Procedures.
2. First, evaluate SAR using 6-7 GHz parameters per IEC/IEEE 62209-1528:2020 and using highest SAR test configurations evaluate incident PD using the mmw near-field probe and total-field/power-density reconstruction method (2 mm closest meas. plane).
3. Per Interim Procedures. The power density results were scaled according to IEC 62479:2010 for the portion of the measurement uncertainty $> 30\%$. Total expanded uncertainty of 2.68 dB (85.4%) was used to determine the psPD measurement scaling factor
4. The manufacturer has confirmed that the devices tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
5. The WiFi 6E RF Exposure results are used for simultaneous transmission analysis with the other transmitters and total exposure ratio, the analysis can be found in this report section 14.
6. Absorbed power density (APD) using a 4cm² averaging area is reported based on SAR measurements.
7. Power density was calculated by repeated E-field measurements on two measurement planes separated by $\lambda/4$.
8. The device was configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools.
9. The measurement procedure consists of measuring the PD_{inc} at two different distances: 2 mm (compliance distance) and $\lambda/5$. The grid extents should be large enough to fully capture the transmitted energy. The grid step should be fine enough to demonstrate that the integrated Power Density iPD_n fulfill the criterion described below. Since iPD ratio between the two distances is ≥ -1 dB, the grid step (0.0625) was sufficient for determining compliance at d=2mm.

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

NFC Note:

1. NFC was evaluated for extremity based on hand usage conditions.
2. NFC 13.56MHz antenna port is not available on the device to support conducted power measurement, therefore the measured results are referred to as reported SAR.
3. NFC SAR test tissue-simulating liquid parameter: refer to IEC/IEEE 62209-1528 2020.

**13.1 Hotspot SAR****<WCDMA SAR>**

Plot No.	Band	Mode	Test Position	Gap (mm)	Brick/Gun Type	Power State	Ch.	Freq. (MHz)	SKU	Battery	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA II_Ant 1	RMC 12.2Kbps	Front	10mm	Brick	DSI 3	9538	1907.6	SKU9	Battery1	20.41	21.00	1.146	-0.17	0.030	0.034
	WCDMA II_Ant 1	RMC 12.2Kbps	Back	10mm	Brick	DSI 3	9538	1907.6	SKU9	Battery1	20.41	21.00	1.146	0.12	0.210	0.241
	WCDMA II_Ant 1	RMC 12.2Kbps	Left Side	10mm	Brick	DSI 3	9538	1907.6	SKU9	Battery1	20.41	21.00	1.146	-0.06	0.335	0.384
	WCDMA II_Ant 1	RMC 12.2Kbps	Top Side	10mm	Brick	DSI 3	9538	1907.6	SKU9	Battery1	20.41	21.00	1.146	-0.03	0.035	0.040
	WCDMA II_Ant 1	RMC 12.2Kbps	Left Side	10mm	Brick	DSI 3	9538	1907.6	SKU9	Battery2	20.41	21.00	1.146	0.08	0.331	0.379
	WCDMA II_Ant 1	RMC 12.2Kbps	Left Side	10mm	Brick	DSI 3	9538	1907.6	SKU9	Battery3	20.41	21.00	1.146	0.01	0.324	0.371
	WCDMA II_Ant 1	RMC 12.2Kbps	Left Side	10mm	Brick	DSI 3	9538	1907.6	SKU9	Battery4	20.41	21.00	1.146	0.03	0.328	0.376
	WCDMA II_Ant 1	RMC 12.2Kbps	Front	10mm	Gun	DSI 3	9538	1907.6	SKU11	Battery1	20.41	21.00	1.146	-0.01	0.033	0.038
01	WCDMA II_Ant 1	RMC 12.2Kbps	Left Side	10mm	Gun	DSI 3	9538	1907.6	SKU11	Battery1	20.41	21.00	1.146	-0.08	0.376	0.431
	WCDMA II_Ant 1	RMC 12.2Kbps	Top Side	10mm	Gun	DSI 3	9538	1907.6	SKU11	Battery1	20.41	21.00	1.146	0.18	0.040	0.046
	WCDMA II_Ant 1	RMC 12.2Kbps	Left Side	10mm	Gun	DSI 3	9538	1907.6	SKU3	Battery2	20.41	21.00	1.146	0.07	0.328	0.376
	WCDMA II_Ant 1	RMC 12.2Kbps	Left Side	10mm	Gun	DSI 3	9538	1907.6	SKU6	Battery3	20.41	21.00	1.146	0.15	0.368	0.422
	WCDMA II_Ant 1	RMC 12.2Kbps	Left Side	10mm	Gun	DSI 3	9538	1907.6	SKU10	Battery4	20.41	21.00	1.146	-0.04	0.360	0.412
	WCDMA IV_Ant 1	RMC 12.2Kbps	Front	10mm	Brick	DSI 3	1513	1752.6	SKU9	Battery1	20.11	20.50	1.094	0.08	0.045	0.049
	WCDMA IV_Ant 1	RMC 12.2Kbps	Back	10mm	Brick	DSI 3	1513	1752.6	SKU9	Battery1	20.11	20.50	1.094	0.16	0.352	0.385
02	WCDMA IV_Ant 1	RMC 12.2Kbps	Left Side	10mm	Brick	DSI 3	1513	1752.6	SKU9	Battery1	20.11	20.50	1.094	0.13	0.411	0.450
	WCDMA IV_Ant 1	RMC 12.2Kbps	Top Side	10mm	Brick	DSI 3	1513	1752.6	SKU9	Battery1	20.11	20.50	1.094	-0.16	0.097	0.106
	WCDMA IV_Ant 1	RMC 12.2Kbps	Left Side	10mm	Brick	DSI 3	1513	1752.6	SKU9	Battery2	20.11	20.50	1.094	-0.08	0.402	0.440
	WCDMA IV_Ant 1	RMC 12.2Kbps	Left Side	10mm	Brick	DSI 3	1513	1752.6	SKU9	Battery3	20.11	20.50	1.094	-0.08	0.408	0.446
	WCDMA IV_Ant 1	RMC 12.2Kbps	Left Side	10mm	Brick	DSI 3	1513	1752.6	SKU9	Battery4	20.11	20.50	1.094	0.1	0.410	0.449
	WCDMA IV_Ant 1	RMC 12.2Kbps	Front	10mm	Gun	DSI 3	1513	1752.6	SKU11	Battery1	20.11	20.50	1.094	-0.08	0.033	0.036
	WCDMA IV_Ant 1	RMC 12.2Kbps	Left Side	10mm	Gun	DSI 3	1513	1752.6	SKU11	Battery1	20.11	20.50	1.094	0.07	0.377	0.412
	WCDMA IV_Ant 1	RMC 12.2Kbps	Top Side	10mm	Gun	DSI 3	1513	1752.6	SKU11	Battery1	20.11	20.50	1.094	-0.05	0.077	0.084
	WCDMA IV_Ant 1	RMC 12.2Kbps	Left Side	10mm	Gun	DSI 3	1513	1752.6	SKU3	Battery2	20.11	20.50	1.094	0.19	0.359	0.393
	WCDMA IV_Ant 1	RMC 12.2Kbps	Left Side	10mm	Gun	DSI 3	1513	1752.6	SKU6	Battery3	20.11	20.50	1.094	0.06	0.352	0.385
	WCDMA IV_Ant 1	RMC 12.2Kbps	Left Side	10mm	Gun	DSI 3	1513	1752.6	SKU10	Battery4	20.11	20.50	1.094	0.02	0.346	0.379
	WCDMA V_Ant 1	RMC 12.2Kbps	Front	10mm	Brick	DSI 3	4182	836.4	SKU9	Battery1	22.45	23.00	1.135	0.07	0.180	0.204
	WCDMA V_Ant 1	RMC 12.2Kbps	Back	10mm	Brick	DSI 3	4182	836.4	SKU9	Battery1	22.45	23.00	1.135	-0.07	0.222	0.252
03	WCDMA V_Ant 1	RMC 12.2Kbps	Left Side	10mm	Brick	DSI 3	4182	836.4	SKU9	Battery1	22.45	23.00	1.135	-0.15	0.254	0.288
	WCDMA V_Ant 1	RMC 12.2Kbps	Top Side	10mm	Brick	DSI 3	4182	836.4	SKU9	Battery1	22.45	23.00	1.135	-0.04	0.123	0.140
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Side	10mm	Brick	DSI 3	4182	836.4	SKU9	Battery2	22.45	23.00	1.135	-0.08	0.248	0.281
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Side	10mm	Brick	DSI 3	4182	836.4	SKU9	Battery3	22.45	23.00	1.135	-0.08	0.252	0.286
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Side	10mm	Brick	DSI 3	4182	836.4	SKU9	Battery4	22.45	23.00	1.135	0.1	0.250	0.284
	WCDMA V_Ant 1	RMC 12.2Kbps	Front	10mm	Gun	DSI 3	4182	836.4	SKU11	Battery1	22.45	23.00	1.135	0.16	0.184	0.209
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Side	10mm	Gun	DSI 3	4182	836.4	SKU11	Battery1	22.45	23.00	1.135	0.09	0.236	0.268
	WCDMA V_Ant 1	RMC 12.2Kbps	Top Side	10mm	Gun	DSI 3	4182	836.4	SKU11	Battery1	22.45	23.00	1.135	0.11	0.154	0.175
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Side	10mm	Gun	DSI 3	4182	836.4	SKU3	Battery2	22.45	23.00	1.135	-0.05	0.222	0.252
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Side	10mm	Gun	DSI 3	4182	836.4	SKU6	Battery3	22.45	23.00	1.135	-0.18	0.156	0.177
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Side	10mm	Gun	DSI 3	4182	836.4	SKU10	Battery4	22.45	23.00	1.135	-0.02	0.195	0.221



FCC SAR TEST REPORT

Report No. : FA4O2228B

<LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Brick/Gun Type	Power State	Ch.	Freq. (MHz)	SKU	Battery	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 7_Ant 5	20M	QPSK	1	0	Front	10mm	Brick	DSI 3	21100	2535	SKU9	Battery1	22.04	22.50	1.112	0.08	0.064	0.071
	LTE Band 7_Ant 5	20M	QPSK	50	0	Front	10mm	Brick	DSI 3	21100	2535	SKU9	Battery1	21.10	21.50	1.096	0.01	0.050	0.055
	LTE Band 7_Ant 5	20M	QPSK	1	0	Back	10mm	Brick	DSI 3	21100	2535	SKU9	Battery1	22.04	22.50	1.112	0.03	0.143	0.159
	LTE Band 7_Ant 5	20M	QPSK	50	0	Back	10mm	Brick	DSI 3	21100	2535	SKU9	Battery1	21.10	21.50	1.096	-0.08	0.111	0.122
	LTE Band 7_Ant 5	20M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	21100	2535	SKU9	Battery1	22.04	22.50	1.112	-0.02	0.458	0.509
	LTE Band 7_Ant 5	20M	QPSK	50	0	Left Side	10mm	Brick	DSI 3	21100	2535	SKU9	Battery1	21.10	21.50	1.096	-0.08	0.343	0.376
	LTE Band 7_Ant 5	20M	QPSK	1	0	Top Side	10mm	Brick	DSI 3	21100	2535	SKU9	Battery1	22.04	22.50	1.112	0.1	0.044	0.049
	LTE Band 7_Ant 5	20M	QPSK	50	0	Top Side	10mm	Brick	DSI 3	21100	2535	SKU9	Battery1	21.10	21.50	1.096	-0.18	0.029	0.032
	LTE Band 7_Ant 5	20M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	21100	2535	SKU9	Battery2	22.04	22.50	1.112	0.08	0.450	0.500
	LTE Band 7_Ant 5	20M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	21100	2535	SKU9	Battery3	22.04	22.50	1.112	0.01	0.452	0.503
	LTE Band 7_Ant 5	20M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	21100	2535	SKU9	Battery4	22.04	22.50	1.112	0.03	0.454	0.505
	LTE Band 7_Ant 5	20M	QPSK	1	0	Front	10mm	Gun	DSI 3	21100	2535	SKU11	Battery1	22.04	22.50	1.112	0.1	0.144	0.160
	LTE Band 7_Ant 5	20M	QPSK	50	0	Front	10mm	Gun	DSI 3	21100	2535	SKU11	Battery1	21.10	21.50	1.096	0.12	0.099	0.109
	LTE Band 7_Ant 5	20M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	21100	2535	SKU11	Battery1	22.04	22.50	1.112	0.08	0.431	0.479
	LTE Band 7_Ant 5	20M	QPSK	50	0	Left Side	10mm	Gun	DSI 3	21100	2535	SKU11	Battery1	21.10	21.50	1.096	-0.17	0.321	0.352
	LTE Band 7_Ant 5	20M	QPSK	1	0	Top Side	10mm	Gun	DSI 3	21100	2535	SKU11	Battery1	22.04	22.50	1.112	-0.03	0.063	0.070
	LTE Band 7_Ant 5	20M	QPSK	50	0	Top Side	10mm	Gun	DSI 3	21100	2535	SKU11	Battery1	21.10	21.50	1.096	0.14	0.042	0.046
04	LTE Band 7_Ant 5	20M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	21100	2535	SKU3	Battery2	22.04	22.50	1.112	-0.04	0.514	0.571
	LTE Band 7_Ant 5	20M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	21100	2535	SKU6	Battery3	22.04	22.50	1.112	0.11	0.499	0.555
	LTE Band 7_Ant 5	20M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	21100	2535	SKU10	Battery4	22.04	22.50	1.112	-0.05	0.500	0.556
	LTE Band 7C_Ant 5	20M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	21100+20920	2535	SKU3	Battery2	22.02	22.50	1.117	-0.08	0.485	0.542
	LTE Band 12_Ant 1	10M	QPSK	1	0	Front	10mm	Brick	DSI 3	23095	707.5	SKU9	Battery1	25.49	25.70	1.050	0.18	0.195	0.205
	LTE Band 12_Ant 1	10M	QPSK	25	0	Front	10mm	Brick	DSI 3	23095	707.5	SKU9	Battery1	24.51	24.70	1.045	0.14	0.123	0.129
05	LTE Band 12_Ant 1	10M	QPSK	1	0	Back	10mm	Brick	DSI 3	23095	707.5	SKU9	Battery1	25.49	25.70	1.050	-0.04	0.262	0.275
	LTE Band 12_Ant 1	10M	QPSK	25	0	Back	10mm	Brick	DSI 3	23095	707.5	SKU9	Battery1	24.51	24.70	1.045	-0.17	0.173	0.181
	LTE Band 12_Ant 1	10M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	23095	707.5	SKU9	Battery1	25.49	25.70	1.050	0.17	0.261	0.274
	LTE Band 12_Ant 1	10M	QPSK	25	0	Left Side	10mm	Brick	DSI 3	23095	707.5	SKU9	Battery1	24.51	24.70	1.045	-0.05	0.170	0.178
	LTE Band 12_Ant 1	10M	QPSK	1	0	Top Side	10mm	Brick	DSI 3	23095	707.5	SKU9	Battery1	25.49	25.70	1.050	0.01	0.122	0.128
	LTE Band 12_Ant 1	10M	QPSK	25	0	Top Side	10mm	Brick	DSI 3	23095	707.5	SKU9	Battery1	24.51	24.70	1.045	0.1	0.088	0.092
	LTE Band 12_Ant 1	10M	QPSK	1	0	Back	10mm	Brick	DSI 3	23095	707.5	SKU9	Battery2	25.49	25.70	1.050	-0.18	0.260	0.273
	LTE Band 12_Ant 1	10M	QPSK	1	0	Back	10mm	Brick	DSI 3	23095	707.5	SKU9	Battery3	25.49	25.70	1.050	0.1	0.258	0.271
	LTE Band 12_Ant 1	10M	QPSK	1	0	Back	10mm	Brick	DSI 3	23095	707.5	SKU9	Battery4	25.49	25.70	1.050	0.12	0.259	0.272
	LTE Band 12_Ant 1	10M	QPSK	1	0	Front	10mm	Gun	DSI 3	23095	707.5	SKU11	Battery1	25.49	25.70	1.050	-0.17	0.161	0.169
	LTE Band 12_Ant 1	10M	QPSK	25	0	Front	10mm	Gun	DSI 3	23095	707.5	SKU11	Battery1	24.51	24.70	1.045	0.04	0.113	0.118
	LTE Band 12_Ant 1	10M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	23095	707.5	SKU11	Battery1	25.49	25.70	1.050	-0.01	0.186	0.195
	LTE Band 12_Ant 1	10M	QPSK	25	0	Left Side	10mm	Gun	DSI 3	23095	707.5	SKU11	Battery1	24.51	24.70	1.045	-0.08	0.129	0.135
	LTE Band 12_Ant 1	10M	QPSK	1	0	Top Side	10mm	Gun	DSI 3	23095	707.5	SKU11	Battery1	25.49	25.70	1.050	0.05	0.105	0.110
	LTE Band 12_Ant 1	10M	QPSK	25	0	Top Side	10mm	Gun	DSI 3	23095	707.5	SKU11	Battery1	24.51	24.70	1.045	0.06	0.069	0.072
	LTE Band 12_Ant 1	10M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	23095	707.5	SKU3	Battery2	25.49	25.70	1.050	0.05	0.218	0.229
	LTE Band 12_Ant 1	10M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	23095	707.5	SKU6	Battery3	25.49	25.70	1.050	-0.09	0.202	0.212
	LTE Band 12_Ant 1	10M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	23095	707.5	SKU10	Battery4	25.49	25.70	1.050	-0.08	0.171	0.179
	LTE Band 13_Ant 1	10M	QPSK	1	0	Front	10mm	Brick	DSI 3	23230	782	SKU9	Battery1	24.87	24.90	1.007	0.08	0.308	0.310
	LTE Band 13_Ant 1	10M	QPSK	25	0	Front	10mm	Brick	DSI 3	23230	782	SKU9	Battery1	23.68	23.90	1.052	0.01	0.227	0.239
06	LTE Band 13_Ant 1	10M	QPSK	1	0	Back	10mm	Brick	DSI 3	23230	782	SKU9	Battery1	24.87	24.90	1.007	0.18	0.342	0.344
	LTE Band 13_Ant 1	10M	QPSK	25	0	Back	10mm	Brick	DSI 3	23230	782	SKU9	Battery1	23.68	23.90	1.052	-0.08	0.259	0.272
	LTE Band 13_Ant 1	10M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	23230	782	SKU9	Battery1	24.87	24.90	1.007	-0.09	0.338	0.340
	LTE Band 13_Ant 1	10M	QPSK	25	0	Left Side	10mm	Brick	DSI 3	23230	782	SKU9	Battery1	23.68	23.90	1.052	0.1	0.245	0.258
	LTE Band 13_Ant 1	10M	QPSK	1	0	Top Side	10mm	Brick	DSI 3	23230	782	SKU9	Battery1	24.87	24.90	1.007	-0.18	0.183	0.184
	LTE Band 13_Ant 1	10M	QPSK	25	0	Top Side	10mm	Brick	DSI 3	23230	782	SKU9	Battery1	23.68	23.90	1.052	0.1	0.136	0.143
	LTE Band 13_Ant 1	10M	QPSK	1	0	Back	10mm	Brick	DSI 3	23230	782	SKU9	Battery2	24.87	24.90	1.007	0.08	0.335	0.337
	LTE Band 13_Ant 1	10M	QPSK	1	0	Back	10mm	Brick	DSI 3	23230	782	SKU9	Battery3	24.87	24.90	1.007	-0.17	0.340	0.342
	LTE Band 13_Ant 1	10M	QPSK	1	0	Back	10mm	Brick	DSI 3	23230	782	SKU9	Battery4	24.87	24.90	1.007	-0.03	0.338	0.340



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	LTE Band 13_Ant 1	10M	QPSK	1	0	Front	10mm	Gun	DSI 3	23230	782	SKU11	Battery1	24.87	24.90	1.007	0.08	0.261	0.263
	LTE Band 13_Ant 1	10M	QPSK	25	0	Front	10mm	Gun	DSI 3	23230	782	SKU11	Battery1	23.68	23.90	1.052	-0.17	0.191	0.201
	LTE Band 13_Ant 1	10M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	23230	782	SKU11	Battery1	24.87	24.90	1.007	-0.02	0.321	0.323
	LTE Band 13_Ant 1	10M	QPSK	25	0	Left Side	10mm	Gun	DSI 3	23230	782	SKU11	Battery1	23.68	23.90	1.052	0.14	0.240	0.252
	LTE Band 13_Ant 1	10M	QPSK	1	0	Top Side	10mm	Gun	DSI 3	23230	782	SKU11	Battery1	24.87	24.90	1.007	0.11	0.167	0.168
	LTE Band 13_Ant 1	10M	QPSK	25	0	Top Side	10mm	Gun	DSI 3	23230	782	SKU11	Battery1	23.68	23.90	1.052	-0.05	0.127	0.134
	LTE Band 13_Ant 1	10M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	23230	782	SKU3	Battery2	24.87	24.90	1.007	0.18	0.316	0.318
	LTE Band 13_Ant 1	10M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	23230	782	SKU6	Battery3	24.87	24.90	1.007	0.14	0.294	0.296
	LTE Band 13_Ant 1	10M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	23230	782	SKU10	Battery4	24.87	24.90	1.007	-0.17	0.285	0.287
	LTE Band 14_Ant 1	10M	QPSK	1	0	Front	10mm	Brick	DSI 3	23330	793	SKU9	Battery1	24.65	24.90	1.059	-0.05	0.265	0.281
	LTE Band 14_Ant 1	10M	QPSK	25	0	Front	10mm	Brick	DSI 3	23330	793	SKU9	Battery1	23.60	23.90	1.072	0.01	0.173	0.185
07	LTE Band 14_Ant 1	10M	QPSK	1	0	Back	10mm	Brick	DSI 3	23330	793	SKU9	Battery1	24.65	24.90	1.059	-0.07	0.376	0.398
	LTE Band 14_Ant 1	10M	QPSK	25	0	Back	10mm	Brick	DSI 3	23330	793	SKU9	Battery1	23.60	23.90	1.072	-0.17	0.244	0.261
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	23330	793	SKU9	Battery1	24.65	24.90	1.059	0.04	0.312	0.330
	LTE Band 14_Ant 1	10M	QPSK	25	0	Left Side	10mm	Brick	DSI 3	23330	793	SKU9	Battery1	23.60	23.90	1.072	-0.01	0.222	0.238
	LTE Band 14_Ant 1	10M	QPSK	1	0	Top Side	10mm	Brick	DSI 3	23330	793	SKU9	Battery1	24.65	24.90	1.059	-0.08	0.166	0.176
	LTE Band 14_Ant 1	10M	QPSK	25	0	Top Side	10mm	Brick	DSI 3	23330	793	SKU9	Battery1	23.60	23.90	1.072	0.05	0.115	0.123
	LTE Band 14_Ant 1	10M	QPSK	1	0	Back	10mm	Brick	DSI 3	23330	793	SKU9	Battery2	24.65	24.90	1.059	0.14	0.370	0.392
	LTE Band 14_Ant 1	10M	QPSK	1	0	Back	10mm	Brick	DSI 3	23330	793	SKU9	Battery3	24.65	24.90	1.059	0.11	0.372	0.394
	LTE Band 14_Ant 1	10M	QPSK	1	0	Back	10mm	Brick	DSI 3	23330	793	SKU9	Battery4	24.65	24.90	1.059	-0.05	0.375	0.397
	LTE Band 14_Ant 1	10M	QPSK	1	0	Front	10mm	Gun	DSI 3	23330	793	SKU11	Battery1	24.65	24.90	1.059	-0.09	0.257	0.272
	LTE Band 14_Ant 1	10M	QPSK	25	0	Front	10mm	Gun	DSI 3	23330	793	SKU11	Battery1	23.60	23.90	1.072	-0.08	0.163	0.175
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	23330	793	SKU11	Battery1	24.65	24.90	1.059	-0.03	0.298	0.316
	LTE Band 14_Ant 1	10M	QPSK	25	0	Left Side	10mm	Gun	DSI 3	23330	793	SKU11	Battery1	23.60	23.90	1.072	0.12	0.188	0.201
	LTE Band 14_Ant 1	10M	QPSK	1	0	Top Side	10mm	Gun	DSI 3	23330	793	SKU11	Battery1	24.65	24.90	1.059	0.03	0.162	0.172
	LTE Band 14_Ant 1	10M	QPSK	25	0	Top Side	10mm	Gun	DSI 3	23330	793	SKU11	Battery1	23.60	23.90	1.072	0.18	0.111	0.119
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	23330	793	SKU3	Battery2	24.65	24.90	1.059	0.16	0.294	0.311
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	23330	793	SKU6	Battery3	24.65	24.90	1.059	-0.1	0.284	0.301
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	23330	793	SKU10	Battery4	24.65	24.90	1.059	0.07	0.285	0.302
	LTE Band 25_Ant 1	20M	QPSK	1	0	Front	10mm	Brick	DSI 3	26340	1880	SKU9	Battery1	21.95	22.00	1.012	0.18	0.042	0.042
	LTE Band 25_Ant 1	20M	QPSK	50	0	Front	10mm	Brick	DSI 3	26340	1880	SKU9	Battery1	20.79	21.00	1.050	0.18	0.026	0.027
	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	10mm	Brick	DSI 3	26340	1880	SKU9	Battery1	21.95	22.00	1.012	-0.02	0.310	0.314
	LTE Band 25_Ant 1	20M	QPSK	50	0	Back	10mm	Brick	DSI 3	26340	1880	SKU9	Battery1	20.79	21.00	1.050	0.07	0.200	0.210
	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	26340	1880	SKU9	Battery1	21.95	22.00	1.012	0.08	0.406	0.411
	LTE Band 25_Ant 1	20M	QPSK	50	0	Left Side	10mm	Brick	DSI 3	26340	1880	SKU9	Battery1	20.79	21.00	1.050	-0.1	0.289	0.303
	LTE Band 25_Ant 1	20M	QPSK	1	0	Top Side	10mm	Brick	DSI 3	26340	1880	SKU9	Battery1	21.95	22.00	1.012	0.02	0.054	0.055
	LTE Band 25_Ant 1	20M	QPSK	50	0	Top Side	10mm	Brick	DSI 3	26340	1880	SKU9	Battery1	20.79	21.00	1.050	0.16	0.033	0.035
	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	26340	1880	SKU9	Battery2	21.95	22.00	1.012	0.18	0.398	0.403
	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	26340	1880	SKU9	Battery3	21.95	22.00	1.012	0.14	0.405	0.410
	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	26340	1880	SKU9	Battery4	21.95	22.00	1.012	-0.17	0.402	0.407
	LTE Band 25_Ant 1	20M	QPSK	1	0	Front	10mm	Gun	DSI 3	26340	1880	SKU11	Battery1	21.95	22.00	1.012	-0.1	0.052	0.053
	LTE Band 25_Ant 1	20M	QPSK	50	0	Front	10mm	Gun	DSI 3	26340	1880	SKU11	Battery1	20.79	21.00	1.050	0.01	0.035	0.037
08	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	26340	1880	SKU11	Battery1	21.95	22.00	1.012	-0.05	0.470	0.475
	LTE Band 25_Ant 1	20M	QPSK	50	0	Left Side	10mm	Gun	DSI 3	26340	1880	SKU11	Battery1	20.79	21.00	1.050	-0.15	0.333	0.349
	LTE Band 25_Ant 1	20M	QPSK	1	0	Top Side	10mm	Gun	DSI 3	26340	1880	SKU11	Battery1	21.95	22.00	1.012	0.19	0.052	0.053
	LTE Band 25_Ant 1	20M	QPSK	50	0	Top Side	10mm	Gun	DSI 3	26340	1880	SKU11	Battery1	20.79	21.00	1.050	0.07	0.030	0.031
	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	26340	1880	SKU3	Battery2	21.95	22.00	1.012	-0.18	0.428	0.433
	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	26340	1880	SKU6	Battery3	21.95	22.00	1.012	0.03	0.468	0.473
	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	26340	1880	SKU10	Battery4	21.95	22.00	1.012	-0.15	0.446	0.451
	LTE Band 2C_Ant 1	20M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	26340	18700+18898	SKU11	Battery1	21.66	22.00	1.081	-0.12	0.432	0.467
	LTE Band 26_Ant 1	15M	QPSK	1	0	Front	10mm	Brick	DSI 3	26865	831.5	SKU9	Battery1	22.95	23.50	1.135	-0.07	0.205	0.233
	LTE Band 26_Ant 1	15M	QPSK	36	0	Front	10mm	Brick	DSI 3	26865	831.5	SKU9	Battery1	22.01	22.50	1.119	0.08	0.146	0.163
09	LTE Band 26_Ant 1	15M	QPSK	1	0	Back	10mm	Brick	DSI 3	26865	831.5	SKU9	Battery1	22.95	23.50	1.135	-0.02	0.295	0.335
	LTE Band 26_Ant 1	15M	QPSK	36	0	Back	10mm	Brick	DSI 3	26865	831.5	SKU9	Battery1	22.01	22.50	1.119	0.19	0.200	0.224
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	26865	831.5	SKU9	Battery1	22.95	23.50	1.135	-0.03	0.291	0.330
	LTE Band 26_Ant 1	15M	QPSK	36	0	Left Side	10mm	Brick	DSI 3	26865	831.5	SKU9	Battery1	22.01	22.50	1.119	-0.16	0.198	0.222



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	LTE Band 26_Ant 1	15M	QPSK	1	0	Top Side	10mm	Brick	DSI 3	26865	831.5	SKU9	Battery1	22.95	23.50	1.135	-0.14	0.170	0.193
	LTE Band 26_Ant 1	15M	QPSK	36	0	Top Side	10mm	Brick	DSI 3	26865	831.5	SKU9	Battery1	22.01	22.50	1.119	-0.03	0.122	0.137
	LTE Band 26_Ant 1	15M	QPSK	1	0	Back	10mm	Brick	DSI 3	26865	831.5	SKU9	Battery2	22.95	23.50	1.135	0.17	0.290	0.329
	LTE Band 26_Ant 1	15M	QPSK	1	0	Back	10mm	Brick	DSI 3	26865	831.5	SKU9	Battery3	22.95	23.50	1.135	-0.05	0.293	0.333
	LTE Band 26_Ant 1	15M	QPSK	1	0	Back	10mm	Brick	DSI 3	26865	831.5	SKU9	Battery4	22.95	23.50	1.135	0.01	0.284	0.322
	LTE Band 5B_Ant 1	10M	QPSK	1	49	Back	10mm	Brick	DSI 3	20475+20574	836.5	SKU9	Battery1	23.11	23.50	1.094	-0.12	0.284	0.311
	LTE Band 26_Ant 1	15M	QPSK	1	0	Front	10mm	Gun	DSI 3	26865	831.5	SKU11	Battery1	22.95	23.50	1.135	0.17	0.195	0.221
	LTE Band 26_Ant 1	15M	QPSK	36	0	Front	10mm	Gun	DSI 3	26865	831.5	SKU11	Battery1	22.01	22.50	1.119	0.06	0.122	0.137
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	26865	831.5	SKU11	Battery1	22.95	23.50	1.135	-0.16	0.205	0.233
	LTE Band 26_Ant 1	15M	QPSK	36	0	Left Side	10mm	Gun	DSI 3	26865	831.5	SKU11	Battery1	22.01	22.50	1.119	-0.13	0.138	0.154
	LTE Band 26_Ant 1	15M	QPSK	1	0	Top Side	10mm	Gun	DSI 3	26865	831.5	SKU11	Battery1	22.95	23.50	1.135	-0.13	0.138	0.157
	LTE Band 26_Ant 1	15M	QPSK	36	0	Top Side	10mm	Gun	DSI 3	26865	831.5	SKU11	Battery1	22.01	22.50	1.119	-0.08	0.082	0.092
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	26865	831.5	SKU3	Battery2	22.95	23.50	1.135	0.01	0.252	0.286
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	26865	831.5	SKU6	Battery3	22.95	23.50	1.135	0.04	0.181	0.205
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	26865	831.5	SKU10	Battery4	22.95	23.50	1.135	-0.06	0.250	0.284
	LTE Band 30_Ant 5	10M	QPSK	1	0	Front	10mm	Brick	DSI 3	27710	2310	SKU9	Battery1	22.89	23.10	1.050	-0.08	0.122	0.128
	LTE Band 30_Ant 5	10M	QPSK	25	0	Front	10mm	Brick	DSI 3	27710	2310	SKU9	Battery1	21.86	22.10	1.057	0.16	0.088	0.093
	LTE Band 30_Ant 5	10M	QPSK	1	0	Back	10mm	Brick	DSI 3	27710	2310	SKU9	Battery1	22.89	23.10	1.050	0.05	0.249	0.261
	LTE Band 30_Ant 5	10M	QPSK	25	0	Back	10mm	Brick	DSI 3	27710	2310	SKU9	Battery1	21.86	22.10	1.057	0.05	0.175	0.185
	LTE Band 30_Ant 5	10M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	27710	2310	SKU9	Battery1	22.89	23.10	1.050	-0.13	0.531	0.557
	LTE Band 30_Ant 5	10M	QPSK	25	0	Left Side	10mm	Brick	DSI 3	27710	2310	SKU9	Battery1	21.86	22.10	1.057	-0.09	0.392	0.414
	LTE Band 30_Ant 5	10M	QPSK	1	0	Top Side	10mm	Brick	DSI 3	27710	2310	SKU9	Battery1	22.89	23.10	1.050	0.11	0.015	0.016
	LTE Band 30_Ant 5	10M	QPSK	25	0	Top Side	10mm	Brick	DSI 3	27710	2310	SKU9	Battery1	21.86	22.10	1.057	-0.05	0.010	0.011
	LTE Band 30_Ant 5	10M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	27710	2310	SKU9	Battery2	22.89	23.10	1.050	-0.01	0.521	0.547
	LTE Band 30_Ant 5	10M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	27710	2310	SKU9	Battery3	22.89	23.10	1.050	-0.08	0.528	0.554
	LTE Band 30_Ant 5	10M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	27710	2310	SKU9	Battery4	22.89	23.10	1.050	0.05	0.520	0.546
	LTE Band 30_Ant 5	10M	QPSK	1	0	Front	10mm	Gun	DSI 3	27710	2310	SKU11	Battery1	22.89	23.10	1.050	-0.02	0.200	0.210
	LTE Band 30_Ant 5	10M	QPSK	25	0	Front	10mm	Gun	DSI 3	27710	2310	SKU11	Battery1	21.86	22.10	1.057	0.15	0.152	0.161
10	LTE Band 30_Ant 5	10M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	27710	2310	SKU11	Battery1	22.89	23.10	1.050	-0.16	0.552	0.579
	LTE Band 30_Ant 5	10M	QPSK	25	0	Left Side	10mm	Gun	DSI 3	27710	2310	SKU11	Battery1	21.86	22.10	1.057	-0.07	0.400	0.423
	LTE Band 30_Ant 5	10M	QPSK	1	0	Top Side	10mm	Gun	DSI 3	27710	2310	SKU11	Battery1	22.89	23.10	1.050	0.05	0.022	0.023
	LTE Band 30_Ant 5	10M	QPSK	25	0	Top Side	10mm	Gun	DSI 3	27710	2310	SKU11	Battery1	21.86	22.10	1.057	-0.11	0.018	0.019
	LTE Band 30_Ant 5	10M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	27710	2310	SKU3	Battery2	22.89	23.10	1.050	-0.12	0.532	0.558
	LTE Band 30_Ant 5	10M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	27710	2310	SKU6	Battery3	22.89	23.10	1.050	0.03	0.516	0.542
	LTE Band 30_Ant 5	10M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	27710	2310	SKU10	Battery4	22.89	23.10	1.050	-0.16	0.388	0.407
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	10mm	Brick	DSI 3	132072	1720	SKU9	Battery1	20.53	20.60	1.016	0.08	0.033	0.034
	LTE Band 66_Ant 1	20M	QPSK	50	0	Front	10mm	Brick	DSI 3	132072	1720	SKU9	Battery1	19.32	19.60	1.067	0.07	0.025	0.027
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	10mm	Brick	DSI 3	132072	1720	SKU9	Battery1	20.53	20.60	1.016	-0.12	0.299	0.304
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	10mm	Brick	DSI 3	132072	1720	SKU9	Battery1	19.32	19.60	1.067	-0.03	0.188	0.201
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	132072	1720	SKU9	Battery1	20.53	20.60	1.016	-0.11	0.340	0.346
	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Side	10mm	Brick	DSI 3	132072	1720	SKU9	Battery1	19.32	19.60	1.067	0.02	0.211	0.225
	LTE Band 66_Ant 1	20M	QPSK	1	0	Top Side	10mm	Brick	DSI 3	132072	1720	SKU9	Battery1	20.53	20.60	1.016	-0.04	0.068	0.069
	LTE Band 66_Ant 1	20M	QPSK	50	0	Top Side	10mm	Brick	DSI 3	132072	1720	SKU9	Battery1	19.32	19.60	1.067	0.16	0.051	0.054
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	132072	1720	SKU9	Battery2	20.53	20.60	1.016	0.06	0.325	0.330
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	132072	1720	SKU9	Battery3	20.53	20.60	1.016	-0.09	0.334	0.339
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	132072	1720	SKU9	Battery4	20.53	20.60	1.016	-0.08	0.338	0.343
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	10mm	Gun	DSI 3	132072	1720	SKU11	Battery1	20.53	20.60	1.016	0.02	0.031	0.032
	LTE Band 66_Ant 1	20M	QPSK	50	0	Front	10mm	Gun	DSI 3	132072	1720	SKU11	Battery1	19.32	19.60	1.067	-0.18	0.022	0.023
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	132072	1720	SKU11	Battery1	20.53	20.60	1.016	0.11	0.273	0.277
	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Side	10mm	Gun	DSI 3	132072	1720	SKU11	Battery1	19.32	19.60	1.067	-0.07	0.200	0.213
	LTE Band 66_Ant 1	20M	QPSK	1	0	Top Side	10mm	Gun	DSI 3	132072	1720	SKU11	Battery1	20.53	20.60	1.016	-0.05	0.077	0.078
	LTE Band 66_Ant 1	20M	QPSK	50	0	Top Side	10mm	Gun	DSI 3	132072	1720	SKU11	Battery1	19.32	19.60	1.067	0.13	0.052	0.055
11	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	132072	1720	SKU3	Battery2	20.53	20.60	1.016	-0.02	0.377	0.383
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	132072	1720	SKU6	Battery3	20.53	20.60	1.016	0.02	0.315	0.320
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	132072	1720	SKU10	Battery4	20.53	20.60	1.016	0.07	0.318	0.323
	LTE Band 66B_Ant 1	15M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	132047+132140	1720	SKU3	Battery2	20.43	20.60	1.040	-0.01	0.351	0.365

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	LTE Band 66C_Ant 1	20M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	132072+132270	1720	SKU3	Battery2	20.38	20.60	1.052	0.06	0.354	0.372
	LTE Band 71_Ant 1	20M	QPSK	1	0	Front	10mm	Brick	DSI 3	133297	680.5	SKU9	Battery1	24.92	25.00	1.019	-0.11	0.089	0.091
	LTE Band 71_Ant 1	20M	QPSK	50	0	Front	10mm	Brick	DSI 3	133297	680.5	SKU9	Battery1	23.87	24.00	1.030	-0.11	0.058	0.060
	LTE Band 71_Ant 1	20M	QPSK	1	0	Back	10mm	Brick	DSI 3	133297	680.5	SKU9	Battery1	24.92	25.00	1.019	0.13	0.134	0.136
	LTE Band 71_Ant 1	20M	QPSK	50	0	Back	10mm	Brick	DSI 3	133297	680.5	SKU9	Battery1	23.87	24.00	1.030	0.13	0.090	0.093
	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	133297	680.5	SKU9	Battery1	24.92	25.00	1.019	0.03	0.132	0.134
	LTE Band 71_Ant 1	20M	QPSK	50	0	Left Side	10mm	Brick	DSI 3	133297	680.5	SKU9	Battery1	23.87	24.00	1.030	0.03	0.095	0.098
	LTE Band 71_Ant 1	20M	QPSK	1	0	Top Side	10mm	Brick	DSI 3	133297	680.5	SKU9	Battery1	24.92	25.00	1.019	-0.02	0.060	0.061
	LTE Band 71_Ant 1	20M	QPSK	50	0	Top Side	10mm	Brick	DSI 3	133297	680.5	SKU9	Battery1	23.87	24.00	1.030	-0.02	0.042	0.043
	LTE Band 71_Ant 1	20M	QPSK	1	0	Back	10mm	Brick	DSI 3	133297	680.5	SKU9	Battery2	24.92	25.00	1.019	0.13	0.130	0.132
	LTE Band 71_Ant 1	20M	QPSK	1	0	Back	10mm	Brick	DSI 3	133297	680.5	SKU9	Battery3	24.92	25.00	1.019	0.12	0.128	0.130
	LTE Band 71_Ant 1	20M	QPSK	1	0	Back	10mm	Brick	DSI 3	133297	680.5	SKU9	Battery4	24.92	25.00	1.019	0.03	0.132	0.134
	LTE Band 71_Ant 1	20M	QPSK	1	0	Front	10mm	Gun	DSI 3	133297	680.5	SKU11	Battery1	24.92	25.00	1.019	-0.19	0.103	0.105
	LTE Band 71_Ant 1	20M	QPSK	50	0	Front	10mm	Gun	DSI 3	133297	680.5	SKU11	Battery1	23.87	24.00	1.030	-0.19	0.068	0.070
12	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	133297	680.5	SKU11	Battery1	24.92	25.00	1.019	-0.07	0.137	0.140
	LTE Band 71_Ant 1	20M	QPSK	50	0	Left Side	10mm	Gun	DSI 3	133297	680.5	SKU11	Battery1	23.87	24.00	1.030	-0.07	0.091	0.094
	LTE Band 71_Ant 1	20M	QPSK	1	0	Top Side	10mm	Gun	DSI 3	133297	680.5	SKU11	Battery1	24.92	25.00	1.019	0.07	0.057	0.058
	LTE Band 71_Ant 1	20M	QPSK	50	0	Top Side	10mm	Gun	DSI 3	133297	680.5	SKU11	Battery1	23.87	24.00	1.030	0.07	0.035	0.036
	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	133297	680.5	SKU3	Battery2	24.92	25.00	1.019	0.04	0.117	0.119
	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	133297	680.5	SKU6	Battery3	24.92	25.00	1.019	-0.01	0.126	0.128
	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	133297	680.5	SKU10	Battery4	24.92	25.00	1.019	0.08	0.127	0.129



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Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Brick/ Gun Type	Power State	Ch.	Freq. (MHz)	SKU	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)
	LTE Band 41_Ant 5	20M	QPSK	1	0	Front	10mm	Brick	DSI 3	40620	2593	SKU9	Battery1	22.67	23.50	1.211	62.9	1.006	-0.13	0.090	0.110
	LTE Band 41_Ant 5	20M	QPSK	50	0	Front	10mm	Brick	DSI 3	40620	2593	SKU9	Battery1	21.82	22.50	1.169	62.9	1.006	0.18	0.063	0.074
	LTE Band 41_Ant 5	20M	QPSK	1	0	Back	10mm	Brick	DSI 3	40620	2593	SKU9	Battery1	22.67	23.50	1.211	62.9	1.006	-0.02	0.123	0.150
	LTE Band 41_Ant 5	20M	QPSK	50	0	Back	10mm	Brick	DSI 3	40620	2593	SKU9	Battery1	21.82	22.50	1.169	62.9	1.006	-0.1	0.089	0.105
13	LTE Band 41_Ant 5	20M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	40620	2593	SKU9	Battery1	22.67	23.50	1.211	62.9	1.006	0.06	0.475	0.578
	LTE Band 41_Ant 5	20M	QPSK	50	0	Left Side	10mm	Brick	DSI 3	40620	2593	SKU9	Battery1	21.82	22.50	1.169	62.9	1.006	-0.17	0.311	0.366
	LTE Band 41_Ant 5	20M	QPSK	1	0	Top Side	10mm	Brick	DSI 3	40620	2593	SKU9	Battery1	22.67	23.50	1.211	62.9	1.006	0.11	0.062	0.076
	LTE Band 41_Ant 5	20M	QPSK	50	0	Top Side	10mm	Brick	DSI 3	40620	2593	SKU9	Battery1	21.82	22.50	1.169	62.9	1.006	-0.09	0.043	0.051
	LTE Band 41_Ant 5	20M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	40620	2593	SKU9	Battery2	22.67	23.50	1.211	62.9	1.006	0.18	0.470	0.572
	LTE Band 41_Ant 5	20M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	40620	2593	SKU9	Battery3	22.67	23.50	1.211	62.9	1.006	0.16	0.465	0.566
	LTE Band 41_Ant 5	20M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	40620	2593	SKU9	Battery4	22.67	23.50	1.211	62.9	1.006	-0.1	0.468	0.570
	LTE Band 41C_Ant 5	20M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	40620+40422	2593	SKU9	Battery1	22.59	23.50	1.233	62.9	1.006	-0.12	0.443	0.550
	LTE Band 41D_Ant 5	20M	QPSK	1	0	Left Side	10mm	Brick	DSI 3	40620+40422	2593	SKU9	Battery1	22.61	23.50	1.227	62.9	1.006	0.08	0.438	0.541
	LTE Band 41_Ant 5	20M	QPSK	1	0	Front	10mm	Gun	DSI 3	40620	2593	SKU11	Battery1	22.67	23.50	1.211	62.9	1.006	-0.17	0.097	0.118
	LTE Band 41_Ant 5	20M	QPSK	50	0	Front	10mm	Gun	DSI 3	40620	2593	SKU11	Battery1	21.82	22.50	1.169	62.9	1.006	-0.04	0.060	0.071
	LTE Band 41_Ant 5	20M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	40620	2593	SKU11	Battery1	22.67	23.50	1.211	62.9	1.006	-0.08	0.363	0.442
	LTE Band 41_Ant 5	20M	QPSK	50	0	Left Side	10mm	Gun	DSI 3	40620	2593	SKU11	Battery1	21.82	22.50	1.169	62.9	1.006	0	0.235	0.276
	LTE Band 41_Ant 5	20M	QPSK	1	0	Top Side	10mm	Gun	DSI 3	40620	2593	SKU11	Battery1	22.67	23.50	1.211	62.9	1.006	-0.13	0.015	0.018
	LTE Band 41_Ant 5	20M	QPSK	50	0	Top Side	10mm	Gun	DSI 3	40620	2593	SKU11	Battery1	21.82	22.50	1.169	62.9	1.006	-0.01	0.010	0.012
	LTE Band 41_Ant 5	20M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	40620	2593	SKU3	Battery2	22.67	23.50	1.211	62.9	1.006	-0.09	0.304	0.370
	LTE Band 41_Ant 5	20M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	40620	2593	SKU6	Battery3	22.67	23.50	1.211	62.9	1.006	0.05	0.362	0.441
	LTE Band 41_Ant 5	20M	QPSK	1	0	Left Side	10mm	Gun	DSI 3	40620	2593	SKU10	Battery4	22.67	23.50	1.211	62.9	1.006	0.02	0.294	0.358
	LTE Band 48_Ant 8	20M	QPSK	1	0	Front	10mm	Brick	DSI 3	56640	3690	SKU9	Battery1	21.98	22.50	1.127	62.9	1.006	-0.13	0.301	0.341
	LTE Band 48_Ant 8	20M	QPSK	50	0	Front	10mm	Brick	DSI 3	56640	3690	SKU9	Battery1	21.05	21.50	1.109	62.9	1.006	0.17	0.189	0.211
	LTE Band 48_Ant 8	20M	QPSK	1	0	Back	10mm	Brick	DSI 3	56640	3690	SKU9	Battery1	21.98	22.50	1.127	62.9	1.006	0.06	0.398	0.451
	LTE Band 48_Ant 8	20M	QPSK	50	0	Back	10mm	Brick	DSI 3	56640	3690	SKU9	Battery1	21.05	21.50	1.109	62.9	1.006	0	0.258	0.288
	LTE Band 48_Ant 8	20M	QPSK	1	0	Right Side	10mm	Brick	DSI 3	56640	3690	SKU9	Battery1	21.98	22.50	1.127	62.9	1.006	-0.04	0.462	0.524
	LTE Band 48_Ant 8	20M	QPSK	50	0	Right Side	10mm	Brick	DSI 3	56640	3690	SKU9	Battery1	21.05	21.50	1.109	62.9	1.006	0.11	0.305	0.340
	LTE Band 48_Ant 8	20M	QPSK	1	0	Top Side	10mm	Brick	DSI 3	56640	3690	SKU9	Battery1	21.98	22.50	1.127	62.9	1.006	-0.02	0.089	0.101
	LTE Band 48_Ant 8	20M	QPSK	50	0	Top Side	10mm	Brick	DSI 3	56640	3690	SKU9	Battery1	21.05	21.50	1.109	62.9	1.006	0.1	0.062	0.069
	LTE Band 48_Ant 8	20M	QPSK	1	0	Right Side	10mm	Brick	DSI 3	56640	3690	SKU9	Battery2	21.98	22.50	1.127	62.9	1.006	0.07	0.460	0.522
	LTE Band 48_Ant 8	20M	QPSK	1	0	Right Side	10mm	Brick	DSI 3	56640	3690	SKU9	Battery3	21.98	22.50	1.127	62.9	1.006	0.18	0.458	0.519
	LTE Band 48_Ant 8	20M	QPSK	1	0	Right Side	10mm	Brick	DSI 3	56640	3690	SKU9	Battery4	21.98	22.50	1.127	62.9	1.006	-0.1	0.451	0.511
	LTE Band 48_Ant 8	20M	QPSK	1	0	Front	10mm	Gun	DSI 3	56640	3690	SKU11	Battery1	21.98	22.50	1.127	62.9	1.006	-0.06	0.204	0.231
	LTE Band 48_Ant 8	20M	QPSK	50	0	Front	10mm	Gun	DSI 3	56640	3690	SKU11	Battery1	21.05	21.50	1.109	62.9	1.006	-0.14	0.133	0.148
	LTE Band 48_Ant 8	20M	QPSK	1	0	Right Side	10mm	Gun	DSI 3	56640	3690	SKU11	Battery1	21.98	22.50	1.127	62.9	1.006	-0.19	0.436	0.494
	LTE Band 48_Ant 8	20M	QPSK	50	0	Right Side	10mm	Gun	DSI 3	56640	3690	SKU11	Battery1	21.05	21.50	1.109	62.9	1.006	0.01	0.285	0.318
	LTE Band 48_Ant 8	20M	QPSK	1	0	Top Side	10mm	Gun	DSI 3	56640	3690	SKU11	Battery1	21.98	22.50	1.127	62.9	1.006	0.06	0.005	0.006
	LTE Band 48_Ant 8	20M	QPSK	50	0	Top Side	10mm	Gun	DSI 3	56640	3690	SKU11	Battery1	21.05	21.50	1.109	62.9	1.006	0.02	0.001	0.001
	LTE Band 48_Ant 8	20M	QPSK	1	0	Right Side	10mm	Gun	DSI 3	56640	3690	SKU3	Battery2	21.98	22.50	1.127	62.9	1.006	-0.13	0.458	0.519
14	LTE Band 48_Ant 8	20M	QPSK	1	0	Right Side	10mm	Gun	DSI 3	56640	3690	SKU6	Battery3	21.98	22.50	1.127	62.9	1.006	-0.07	0.511	0.579
	LTE Band 48_Ant 8	20M	QPSK	1	0	Right Side	10mm	Gun	DSI 3	56640	3690	SKU10	Battery4	21.98	22.50	1.127	62.9	1.006	-0.18	0.502	0.569
	LTE Band 48C_Ant 8	20M	QPSK	1	0	Right Side	10mm	Gun	DSI 3	56640+55952	3690	SKU6	Battery3	21.88	22.50	1.153	62.9	1.006	-0.12	0.485	0.563



<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Brick/ Gun Type	Power State	Ch.	Freq. (MHz)	SKU	Battery	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n7_Ant 5	40M	BPSK	1	1	Front	10mm	Brick	DSI 3	507000	2535	SKU9	Battery1	22.25	22.50	1.059	0.02	0.098	0.104
	FR1 n7_Ant 5	40M	BPSK	108	0	Front	10mm	Brick	DSI 3	507000	2535	SKU9	Battery1	22.15	22.50	1.084	0.11	0.056	0.061
	FR1 n7_Ant 5	40M	BPSK	1	1	Back	10mm	Brick	DSI 3	507000	2535	SKU9	Battery1	22.25	22.50	1.059	-0.08	0.211	0.224
	FR1 n7_Ant 5	40M	BPSK	108	0	Back	10mm	Brick	DSI 3	507000	2535	SKU9	Battery1	22.15	22.50	1.084	0.12	0.158	0.171
15	FR1 n7_Ant 5	40M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	507000	2535	SKU9	Battery1	22.25	22.50	1.059	0.05	0.490	0.519
	FR1 n7_Ant 5	40M	BPSK	108	0	Left Side	10mm	Brick	DSI 3	507000	2535	SKU9	Battery1	22.15	22.50	1.084	-0.01	0.343	0.372
	FR1 n7_Ant 5	40M	BPSK	1	1	Top Side	10mm	Brick	DSI 3	507000	2535	SKU9	Battery1	22.25	22.50	1.059	-0.11	0.066	0.070
	FR1 n7_Ant 5	40M	BPSK	108	0	Top Side	10mm	Brick	DSI 3	507000	2535	SKU9	Battery1	22.15	22.50	1.084	0.15	0.046	0.050
	FR1 n7_Ant 5	40M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	507000	2535	SKU9	Battery2	22.25	22.50	1.059	0.01	0.482	0.511
	FR1 n7_Ant 5	40M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	507000	2535	SKU9	Battery3	22.25	22.50	1.059	-0.15	0.480	0.508
	FR1 n7_Ant 5	40M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	507000	2535	SKU9	Battery4	22.25	22.50	1.059	0.19	0.488	0.517
	FR1 n7_Ant 5	40M	BPSK	1	1	Front	10mm	Gun	DSI 3	507000	2535	SKU11	Battery1	22.25	22.50	1.059	-0.09	0.115	0.122
	FR1 n7_Ant 5	40M	BPSK	108	0	Front	10mm	Gun	DSI 3	507000	2535	SKU11	Battery1	22.15	22.50	1.084	0.08	0.076	0.082
	FR1 n7_Ant 5	40M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	507000	2535	SKU11	Battery1	22.25	22.50	1.059	0.04	0.453	0.480
	FR1 n7_Ant 5	40M	BPSK	108	0	Left Side	10mm	Gun	DSI 3	507000	2535	SKU11	Battery1	22.15	22.50	1.084	0.01	0.313	0.339
	FR1 n7_Ant 5	40M	BPSK	1	1	Top Side	10mm	Gun	DSI 3	507000	2535	SKU11	Battery1	22.25	22.50	1.059	-0.05	0.063	0.067
	FR1 n7_Ant 5	40M	BPSK	108	0	Top Side	10mm	Gun	DSI 3	507000	2535	SKU11	Battery1	22.15	22.50	1.084	0.03	0.048	0.052
	FR1 n7_Ant 5	40M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	507000	2535	SKU3	Battery2	22.25	22.50	1.059	-0.01	0.395	0.418
	FR1 n7_Ant 5	40M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	507000	2535	SKU6	Battery3	22.25	22.50	1.059	-0.08	0.388	0.411
	FR1 n7_Ant 5	40M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	507000	2535	SKU10	Battery4	22.25	22.50	1.059	-0.08	0.393	0.416
	FR1 n12_Ant 1	15M	BPSK	1	1	Front	10mm	Brick	DSI 3	141500	707.5	SKU9	Battery1	25.07	25.70	1.156	-0.07	0.112	0.129
	FR1 n12_Ant 1	15M	BPSK	36	0	Front	10mm	Brick	DSI 3	141500	707.5	SKU9	Battery1	24.90	25.20	1.072	-0.09	0.066	0.071
16	FR1 n12_Ant 1	15M	BPSK	1	1	Back	10mm	Brick	DSI 3	141500	707.5	SKU9	Battery1	25.07	25.70	1.156	-0.07	0.184	0.213
	FR1 n12_Ant 1	15M	BPSK	36	0	Back	10mm	Brick	DSI 3	141500	707.5	SKU9	Battery1	24.90	25.20	1.072	0.03	0.115	0.123
	FR1 n12_Ant 1	15M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	141500	707.5	SKU9	Battery1	25.07	25.70	1.156	0.06	0.155	0.179
	FR1 n12_Ant 1	15M	BPSK	36	0	Left Side	10mm	Brick	DSI 3	141500	707.5	SKU9	Battery1	24.90	25.20	1.072	-0.17	0.102	0.109
	FR1 n12_Ant 1	15M	BPSK	1	1	Top Side	10mm	Brick	DSI 3	141500	707.5	SKU9	Battery1	25.07	25.70	1.156	0.04	0.082	0.095
	FR1 n12_Ant 1	15M	BPSK	36	0	Top Side	10mm	Brick	DSI 3	141500	707.5	SKU9	Battery1	24.90	25.20	1.072	-0.11	0.066	0.071
	FR1 n12_Ant 1	15M	BPSK	1	1	Back	10mm	Brick	DSI 3	141500	707.5	SKU9	Battery2	25.07	25.70	1.156	0.07	0.172	0.199
	FR1 n12_Ant 1	15M	BPSK	1	1	Back	10mm	Brick	DSI 3	141500	707.5	SKU9	Battery3	25.07	25.70	1.156	-0.18	0.180	0.208
	FR1 n12_Ant 1	15M	BPSK	1	1	Back	10mm	Brick	DSI 3	141500	707.5	SKU9	Battery4	25.07	25.70	1.156	0.03	0.182	0.210
	FR1 n12_Ant 1	15M	BPSK	1	1	Front	10mm	Gun	DSI 3	141500	707.5	SKU11	Battery1	25.07	25.70	1.156	0.18	0.129	0.149
	FR1 n12_Ant 1	15M	BPSK	36	0	Front	10mm	Gun	DSI 3	141500	707.5	SKU11	Battery1	24.90	25.20	1.072	-0.1	0.082	0.088
	FR1 n12_Ant 1	15M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	141500	707.5	SKU11	Battery1	25.07	25.70	1.156	0.09	0.167	0.193
	FR1 n12_Ant 1	15M	BPSK	36	0	Left Side	10mm	Gun	DSI 3	141500	707.5	SKU11	Battery1	24.90	25.20	1.072	0.06	0.110	0.118
	FR1 n12_Ant 1	15M	BPSK	1	1	Top Side	10mm	Gun	DSI 3	141500	707.5	SKU11	Battery1	25.07	25.70	1.156	0	0.094	0.109
	FR1 n12_Ant 1	15M	BPSK	36	0	Top Side	10mm	Gun	DSI 3	141500	707.5	SKU11	Battery1	24.90	25.20	1.072	-0.17	0.063	0.068
	FR1 n12_Ant 1	15M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	141500	707.5	SKU3	Battery2	25.07	25.70	1.156	-0.15	0.129	0.149
	FR1 n12_Ant 1	15M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	141500	707.5	SKU6	Battery3	25.07	25.70	1.156	0.09	0.168	0.194
	FR1 n12_Ant 1	15M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	141500	707.5	SKU10	Battery4	25.07	25.70	1.156	-0.18	0.181	0.209
	FR1 n13_Ant 1	10M	BPSK	1	1	Front	10mm	Brick	DSI 3	156400	782	SKU9	Battery1	24.62	24.80	1.042	0.02	0.289	0.301
	FR1 n13_Ant 1	10M	BPSK	25	0	Front	10mm	Brick	DSI 3	156400	782	SKU9	Battery1	24.51	24.80	1.069	0.08	0.275	0.294
17	FR1 n13_Ant 1	10M	BPSK	1	1	Back	10mm	Brick	DSI 3	156400	782	SKU9	Battery1	24.62	24.80	1.042	0.12	0.323	0.337
	FR1 n13_Ant 1	10M	BPSK	25	0	Back	10mm	Brick	DSI 3	156400	782	SKU9	Battery1	24.51	24.80	1.069	0.16	0.311	0.332
	FR1 n13_Ant 1	10M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	156400	782	SKU9	Battery1	24.62	24.80	1.042	-0.02	0.306	0.319
	FR1 n13_Ant 1	10M	BPSK	25	0	Left Side	10mm	Brick	DSI 3	156400	782	SKU9	Battery1	24.51	24.80	1.069	-0.1	0.289	0.309
	FR1 n13_Ant 1	10M	BPSK	1	1	Top Side	10mm	Brick	DSI 3	156400	782	SKU9	Battery1	24.62	24.80	1.042	0.11	0.208	0.217
	FR1 n13_Ant 1	10M	BPSK	25	0	Top Side	10mm	Brick	DSI 3	156400	782	SKU9	Battery1	24.51	24.80	1.069	0.08	0.197	0.211
	FR1 n13_Ant 1	10M	BPSK	1	1	Back	10mm	Brick	DSI 3	156400	782	SKU9	Battery2	24.62	24.80	1.042	-0.15	0.315	0.328
	FR1 n13_Ant 1	10M	BPSK	1	1	Back	10mm	Brick	DSI 3	156400	782	SKU9	Battery3	24.62	24.80	1.042	-0.15	0.320	0.334
	FR1 n13_Ant 1	10M	BPSK	1	1	Back	10mm	Brick	DSI 3	156400	782	SKU9	Battery4	24.62	24.80	1.042	0.11	0.318	0.331
	FR1 n13_Ant 1	10M	BPSK	1	1	Front	10mm	Gun	DSI 3	156400	782	SKU11	Battery1	24.62	24.80	1.042	0.02	0.218	0.227



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	FR1 n13_Ant 1	10M	BPSK	25	0	Front	10mm	Gun	DSI 3	156400	782	SKU11	Battery1	24.51	24.80	1.069	-0.01	0.201	0.215
	FR1 n13_Ant 1	10M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	156400	782	SKU11	Battery1	24.62	24.80	1.042	0	0.264	0.275
	FR1 n13_Ant 1	10M	BPSK	25	0	Left Side	10mm	Gun	DSI 3	156400	782	SKU11	Battery1	24.51	24.80	1.069	0.09	0.255	0.273
	FR1 n13_Ant 1	10M	BPSK	1	1	Top Side	10mm	Gun	DSI 3	156400	782	SKU11	Battery1	24.62	24.80	1.042	-0.18	0.198	0.206
	FR1 n13_Ant 1	10M	BPSK	25	0	Top Side	10mm	Gun	DSI 3	156400	782	SKU11	Battery1	24.51	24.80	1.069	-0.03	0.184	0.197
	FR1 n13_Ant 1	10M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	156400	782	SKU3	Battery2	24.62	24.80	1.042	-0.04	0.310	0.323
	FR1 n13_Ant 1	10M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	156400	782	SKU6	Battery3	24.62	24.80	1.042	-0.19	0.303	0.316
	FR1 n13_Ant 1	10M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	156400	782	SKU10	Battery4	24.62	24.80	1.042	-0.08	0.294	0.306
	FR1 n14_Ant 1	10M	BPSK	1	1	Front	10mm	Brick	DSI 3	158600	793	SKU9	Battery1	24.74	24.80	1.014	0.01	0.235	0.238
	FR1 n14_Ant 1	10M	BPSK	25	0	Front	10mm	Brick	DSI 3	158600	793	SKU9	Battery1	24.39	24.80	1.099	0.03	0.227	0.249
18	FR1 n14_Ant 1	10M	BPSK	1	1	Back	10mm	Brick	DSI 3	158600	793	SKU9	Battery1	24.74	24.80	1.014	0.14	0.332	0.337
	FR1 n14_Ant 1	10M	BPSK	25	0	Back	10mm	Brick	DSI 3	158600	793	SKU9	Battery1	24.39	24.80	1.099	0.1	0.301	0.331
	FR1 n14_Ant 1	10M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	158600	793	SKU9	Battery1	24.74	24.80	1.014	-0.18	0.309	0.313
	FR1 n14_Ant 1	10M	BPSK	25	0	Left Side	10mm	Brick	DSI 3	158600	793	SKU9	Battery1	24.39	24.80	1.099	0.1	0.287	0.315
	FR1 n14_Ant 1	10M	BPSK	1	1	Top Side	10mm	Brick	DSI 3	158600	793	SKU9	Battery1	24.74	24.80	1.014	0.12	0.166	0.168
	FR1 n14_Ant 1	10M	BPSK	25	0	Top Side	10mm	Brick	DSI 3	158600	793	SKU9	Battery1	24.39	24.80	1.099	0.08	0.152	0.167
	FR1 n14_Ant 1	10M	BPSK	1	1	Back	10mm	Brick	DSI 3	158600	793	SKU9	Battery2	24.74	24.80	1.014	-0.08	0.324	0.329
	FR1 n14_Ant 1	10M	BPSK	1	1	Back	10mm	Brick	DSI 3	158600	793	SKU9	Battery3	24.74	24.80	1.014	-0.17	0.330	0.335
	FR1 n14_Ant 1	10M	BPSK	1	1	Back	10mm	Brick	DSI 3	158600	793	SKU9	Battery4	24.74	24.80	1.014	-0.08	0.328	0.333
	FR1 n14_Ant 1	10M	BPSK	1	1	Front	10mm	Gun	DSI 3	158600	793	SKU11	Battery1	24.74	24.80	1.014	0.13	0.227	0.230
	FR1 n14_Ant 1	10M	BPSK	25	0	Front	10mm	Gun	DSI 3	158600	793	SKU11	Battery1	24.39	24.80	1.099	0.15	0.181	0.199
	FR1 n14_Ant 1	10M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	158600	793	SKU11	Battery1	24.74	24.80	1.014	-0.1	0.280	0.284
	FR1 n14_Ant 1	10M	BPSK	25	0	Left Side	10mm	Gun	DSI 3	158600	793	SKU11	Battery1	24.39	24.80	1.099	-0.08	0.230	0.253
	FR1 n14_Ant 1	10M	BPSK	1	1	Top Side	10mm	Gun	DSI 3	158600	793	SKU11	Battery1	24.74	24.80	1.014	-0.12	0.170	0.172
	FR1 n14_Ant 1	10M	BPSK	25	0	Top Side	10mm	Gun	DSI 3	158600	793	SKU11	Battery1	24.39	24.80	1.099	0.03	0.133	0.146
	FR1 n14_Ant 1	10M	BPSK	1	1	Lest Side	10mm	Gun	DSI 3	158600	793	SKU3	Battery2	24.74	24.80	1.014	0.1	0.321	0.325
	FR1 n14_Ant 1	10M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	158600	793	SKU6	Battery3	24.74	24.80	1.014	-0.13	0.296	0.300
	FR1 n14_Ant 1	10M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	158600	793	SKU10	Battery4	24.74	24.80	1.014	0.07	0.303	0.307
	FR1 n25_Ant 1	40M	BPSK	1	1	Front	10mm	Brick	DSI 3	376500	1882.5	SKU9	Battery1	21.36	21.50	1.033	-0.17	0.038	0.039
	FR1 n25_Ant 1	40M	BPSK	108	0	Front	10mm	Brick	DSI 3	376500	1882.5	SKU9	Battery1	21.26	21.50	1.057	-0.03	0.031	0.033
	FR1 n25_Ant 1	40M	BPSK	1	1	Back	10mm	Brick	DSI 3	376500	1882.5	SKU9	Battery1	21.36	21.50	1.033	0.14	0.245	0.253
	FR1 n25_Ant 1	40M	BPSK	108	0	Back	10mm	Brick	DSI 3	376500	1882.5	SKU9	Battery1	21.26	21.50	1.057	0.11	0.231	0.244
	FR1 n25_Ant 1	40M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	376500	1882.5	SKU9	Battery1	21.36	21.50	1.033	-0.11	0.358	0.370
	FR1 n25_Ant 1	40M	BPSK	108	0	Left Side	10mm	Brick	DSI 3	376500	1882.5	SKU9	Battery1	21.26	21.50	1.057	0.14	0.337	0.356
	FR1 n25_Ant 1	40M	BPSK	1	1	Top Side	10mm	Brick	DSI 3	376500	1882.5	SKU9	Battery1	21.36	21.50	1.033	-0.17	0.045	0.046
	FR1 n25_Ant 1	40M	BPSK	108	0	Top Side	10mm	Brick	DSI 3	376500	1882.5	SKU9	Battery1	21.26	21.50	1.057	0.17	0.039	0.041
	FR1 n25_Ant 1	40M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	376500	1882.5	SKU9	Battery2	21.36	21.50	1.033	-0.04	0.352	0.364
	FR1 n25_Ant 1	40M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	376500	1882.5	SKU9	Battery3	21.36	21.50	1.033	-0.08	0.350	0.361
	FR1 n25_Ant 1	40M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	376500	1882.5	SKU9	Battery4	21.36	21.50	1.033	0.17	0.355	0.367
	FR1 n25_Ant 1	40M	BPSK	1	1	Front	10mm	Gun	DSI 3	376500	1882.5	SKU11	Battery1	21.36	21.50	1.033	-0.08	0.068	0.070
	FR1 n25_Ant 1	40M	BPSK	108	0	Front	10mm	Gun	DSI 3	376500	1882.5	SKU11	Battery1	21.26	21.50	1.057	0.05	0.060	0.063
	FR1 n25_Ant 1	40M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	376500	1882.5	SKU11	Battery1	21.36	21.50	1.033	0.06	0.418	0.432
	FR1 n25_Ant 1	40M	BPSK	108	0	Left Side	10mm	Gun	DSI 3	376500	1882.5	SKU11	Battery1	21.26	21.50	1.057	-0.09	0.395	0.417
	FR1 n25_Ant 1	40M	BPSK	1	1	Top Side	10mm	Gun	DSI 3	376500	1882.5	SKU11	Battery1	21.36	21.50	1.033	-0.08	0.085	0.088
	FR1 n25_Ant 1	40M	BPSK	108	0	Top Side	10mm	Gun	DSI 3	376500	1882.5	SKU11	Battery1	21.26	21.50	1.057	0.13	0.079	0.083
	FR1 n25_Ant 1	40M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	376500	1882.5	SKU3	Battery2	21.36	21.50	1.033	0.12	0.422	0.436
	FR1 n25_Ant 1	40M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	376500	1882.5	SKU6	Battery3	21.36	21.50	1.033	0.03	0.437	0.451
19	FR1 n25_Ant 1	40M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	376500	1882.5	SKU10	Battery4	21.36	21.50	1.033	-0.19	0.459	0.474
	FR1 n26_Ant 1	20M	BPSK	1	1	Front	10mm	Brick	DSI 3	166300	831.5	SKU9	Battery1	22.20	22.50	1.072	-0.05	0.204	0.219
	FR1 n26_Ant 1	20M	BPSK	50	0	Front	10mm	Brick	DSI 3	166300	831.5	SKU9	Battery1	22.10	22.50	1.096	0.01	0.187	0.205
20	FR1 n26_Ant 1	20M	BPSK	1	1	Back	10mm	Brick	DSI 3	166300	831.5	SKU9	Battery1	22.20	22.50	1.072	0.09	0.307	0.329
	FR1 n26_Ant 1	20M	BPSK	50	0	Back	10mm	Brick	DSI 3	166300	831.5	SKU9	Battery1	22.10	22.50	1.096	0.04	0.284	0.311
	FR1 n26_Ant 1	20M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	166300	831.5	SKU9	Battery1	22.20	22.50	1.072	-0.01	0.203	0.218
	FR1 n26_Ant 1	20M	BPSK	50	0	Left Side	10mm	Brick	DSI 3	166300	831.5	SKU9	Battery1	22.10	22.50	1.096	-0.08	0.179	0.196
	FR1 n26_Ant 1	20M	BPSK	1	1	Top Side	10mm	Brick	DSI 3	166300	831.5	SKU9	Battery1	22.20	22.50	1.072	0.05	0.155	0.166
	FR1 n26_Ant 1	20M	BPSK	50	0	Top Side	10mm	Brick	DSI 3	166300	831.5	SKU9	Battery1	22.10	22.50	1.096	0.06	0.140	0.154



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	FR1 n26_Ant 1	20M	BPSK	1	1	Back	10mm	Brick	DSI 3	166300	831.5	SKU9	Battery2	22.20	22.50	1.072	0.18	0.305	0.327
	FR1 n26_Ant 1	20M	BPSK	1	1	Back	10mm	Brick	DSI 3	166300	831.5	SKU9	Battery3	22.20	22.50	1.072	-0.04	0.300	0.321
	FR1 n26_Ant 1	20M	BPSK	1	1	Back	10mm	Brick	DSI 3	166300	831.5	SKU9	Battery4	22.20	22.50	1.072	-0.08	0.298	0.319
	FR1 n26_Ant 1	20M	BPSK	1	1	Front	10mm	Gun	DSI 3	166300	831.5	SKU11	Battery1	22.20	22.50	1.072	-0.11	0.162	0.174
	FR1 n26_Ant 1	20M	BPSK	50	0	Front	10mm	Gun	DSI 3	166300	831.5	SKU11	Battery1	22.10	22.50	1.096	0.02	0.111	0.122
	FR1 n26_Ant 1	20M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	166300	831.5	SKU11	Battery1	22.20	22.50	1.072	0.11	0.232	0.249
	FR1 n26_Ant 1	20M	BPSK	50	0	Left Side	10mm	Gun	DSI 3	166300	831.5	SKU11	Battery1	22.10	22.50	1.096	0.05	0.152	0.167
	FR1 n26_Ant 1	20M	BPSK	1	1	Top Side	10mm	Gun	DSI 3	166300	831.5	SKU11	Battery1	22.20	22.50	1.072	0.02	0.126	0.135
	FR1 n26_Ant 1	20M	BPSK	50	0	Top Side	10mm	Gun	DSI 3	166300	831.5	SKU11	Battery1	22.10	22.50	1.096	0.01	0.088	0.096
	FR1 n26_Ant 1	20M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	166300	831.5	SKU3	Battery2	22.20	22.50	1.072	0.12	0.223	0.239
	FR1 n26_Ant 1	20M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	166300	831.5	SKU6	Battery3	22.20	22.50	1.072	-0.04	0.166	0.178
	FR1 n26_Ant 1	20M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	166300	831.5	SKU10	Battery4	22.20	22.50	1.072	-0.16	0.228	0.244
	FR1 n30_Ant 5	10M	BPSK	1	1	Front	10mm	Brick	DSI 3	462000	2310	SKU9	Battery1	22.45	22.50	1.012	-0.18	0.163	0.165
	FR1 n30_Ant 5	10M	BPSK	25	0	Front	10mm	Brick	DSI 3	462000	2310	SKU9	Battery1	22.43	22.50	1.016	-0.13	0.112	0.114
	FR1 n30_Ant 5	10M	BPSK	1	1	Back	10mm	Brick	DSI 3	462000	2310	SKU9	Battery1	22.45	22.50	1.012	0.02	0.222	0.225
	FR1 n30_Ant 5	10M	BPSK	25	0	Back	10mm	Brick	DSI 3	462000	2310	SKU9	Battery1	22.43	22.50	1.016	-0.13	0.162	0.165
21	FR1 n30_Ant 5	10M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	462000	2310	SKU9	Battery1	22.45	22.50	1.012	-0.11	0.509	0.515
	FR1 n30_Ant 5	10M	BPSK	25	0	Left Side	10mm	Brick	DSI 3	462000	2310	SKU9	Battery1	22.43	22.50	1.016	-0.16	0.333	0.338
	FR1 n30_Ant 5	10M	BPSK	1	1	Top Side	10mm	Brick	DSI 3	462000	2310	SKU9	Battery1	22.45	22.50	1.012	0.08	0.015	0.015
	FR1 n30_Ant 5	10M	BPSK	25	0	Top Side	10mm	Brick	DSI 3	462000	2310	SKU9	Battery1	22.43	22.50	1.016	0.06	0.010	0.010
	FR1 n30_Ant 5	10M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	462000	2310	SKU9	Battery2	22.45	22.50	1.012	-0.03	0.500	0.506
	FR1 n30_Ant 5	10M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	462000	2310	SKU9	Battery3	22.45	22.50	1.012	-0.03	0.489	0.495
	FR1 n30_Ant 5	10M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	462000	2310	SKU9	Battery4	22.45	22.50	1.012	0.08	0.502	0.508
	FR1 n30_Ant 5	10M	BPSK	1	1	Front	10mm	Gun	DSI 3	462000	2310	SKU11	Battery1	22.45	22.50	1.012	0.07	0.179	0.181
	FR1 n30_Ant 5	10M	BPSK	25	0	Front	10mm	Gun	DSI 3	462000	2310	SKU11	Battery1	22.43	22.50	1.016	-0.1	0.143	0.145
	FR1 n30_Ant 5	10M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	462000	2310	SKU11	Battery1	22.45	22.50	1.012	0	0.469	0.474
	FR1 n30_Ant 5	10M	BPSK	25	0	Left Side	10mm	Gun	DSI 3	462000	2310	SKU11	Battery1	22.43	22.50	1.016	-0.11	0.352	0.358
	FR1 n30_Ant 5	10M	BPSK	1	1	Top Side	10mm	Gun	DSI 3	462000	2310	SKU11	Battery1	22.45	22.50	1.012	0.16	0.031	0.031
	FR1 n30_Ant 5	10M	BPSK	25	0	Top Side	10mm	Gun	DSI 3	462000	2310	SKU11	Battery1	22.43	22.50	1.016	0.05	0.022	0.022
	FR1 n30_Ant 5	10M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	462000	2310	SKU3	Battery2	22.45	22.50	1.012	-0.03	0.444	0.449
	FR1 n30_Ant 5	10M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	462000	2310	SKU6	Battery3	22.45	22.50	1.012	-0.08	0.411	0.416
	FR1 n30_Ant 5	10M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	462000	2310	SKU10	Battery4	22.45	22.50	1.012	-0.09	0.432	0.437
	FR1 n66_Ant 1	40M	BPSK	1	1	Front	10mm	Brick	DSI 3	349000	1745	SKU9	Battery1	19.65	20.30	1.161	-0.09	0.036	0.042
	FR1 n66_Ant 1	40M	BPSK	108	0	Front	10mm	Brick	DSI 3	349000	1745	SKU9	Battery1	19.56	20.30	1.186	-0.08	0.022	0.026
	FR1 n66_Ant 1	40M	BPSK	1	1	Back	10mm	Brick	DSI 3	349000	1745	SKU9	Battery1	19.65	20.30	1.161	0.13	0.295	0.343
	FR1 n66_Ant 1	40M	BPSK	108	0	Back	10mm	Brick	DSI 3	349000	1745	SKU9	Battery1	19.56	20.30	1.186	0.12	0.192	0.228
22	FR1 n66_Ant 1	40M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	349000	1745	SKU9	Battery1	19.65	20.30	1.161	0.13	0.362	0.420
	FR1 n66_Ant 1	40M	BPSK	108	0	Left Side	10mm	Brick	DSI 3	349000	1745	SKU9	Battery1	19.56	20.30	1.186	0.16	0.233	0.276
	FR1 n66_Ant 1	40M	BPSK	1	1	Top Side	10mm	Brick	DSI 3	349000	1745	SKU9	Battery1	19.65	20.30	1.161	-0.1	0.076	0.088
	FR1 n66_Ant 1	40M	BPSK	108	0	Top Side	10mm	Brick	DSI 3	349000	1745	SKU9	Battery1	19.56	20.30	1.186	0.07	0.050	0.059
	FR1 n66_Ant 1	40M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	349000	1745	SKU9	Battery2	19.65	20.30	1.161	-0.07	0.360	0.418
	FR1 n66_Ant 1	40M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	349000	1745	SKU9	Battery3	19.65	20.30	1.161	0.05	0.358	0.416
	FR1 n66_Ant 1	40M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	349000	1745	SKU9	Battery4	19.65	20.30	1.161	-0.11	0.354	0.411
	FR1 n66_Ant 1	40M	BPSK	1	1	Front	10mm	Gun	DSI 3	349000	1745	SKU11	Battery1	19.65	20.30	1.161	0.18	0.032	0.037
	FR1 n66_Ant 1	40M	BPSK	108	0	Front	10mm	Gun	DSI 3	349000	1745	SKU11	Battery1	19.56	20.30	1.186	-0.1	0.020	0.024
	FR1 n66_Ant 1	40M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	349000	1745	SKU11	Battery1	19.65	20.30	1.161	0.01	0.304	0.353
	FR1 n66_Ant 1	40M	BPSK	108	0	Left Side	10mm	Gun	DSI 3	349000	1745	SKU11	Battery1	19.56	20.30	1.186	-0.15	0.198	0.235
	FR1 n66_Ant 1	40M	BPSK	1	1	Top Side	10mm	Gun	DSI 3	349000	1745	SKU11	Battery1	19.65	20.30	1.161	0.19	0.070	0.081
	FR1 n66_Ant 1	40M	BPSK	108	0	Top Side	10mm	Gun	DSI 3	349000	1745	SKU11	Battery1	19.56	20.30	1.186	0.07	0.042	0.050
	FR1 n66_Ant 1	40M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	349000	1745	SKU3	Battery2	19.65	20.30	1.161	-0.13	0.332	0.386
	FR1 n66_Ant 1	40M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	349000	1745	SKU6	Battery3	19.65	20.30	1.161	-0.08	0.297	0.345
	FR1 n66_Ant 1	40M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	349000	1745	SKU10	Battery4	19.65	20.30	1.161	-0.12	0.355	0.412
	FR1 n71_Ant 1	20M	BPSK	1	1	Front	10mm	Brick	DSI 3	136100	680.5	SKU9	Battery1	24.30	25.00	1.175	-0.18	0.075	0.088
	FR1 n71_Ant 1	20M	BPSK	50	0	Front	10mm	Brick	DSI 3	136100	680.5	SKU9	Battery1	24.08	25.00	1.236	0.03	0.048	0.059
23	FR1 n71_Ant 1	20M	BPSK	1	1	Back	10mm	Brick	DSI 3	136100	680.5	SKU9	Battery1	24.30	25.00	1.175	-0.05	0.102	0.120
	FR1 n71_Ant 1	20M	BPSK	50	0	Back	10mm	Brick	DSI 3	136100	680.5	SKU9	Battery1	24.08	25.00	1.236	-0.15	0.066	0.082



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	FR1 n71_Ant 1	20M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	136100	680.5	SKU9	Battery1	24.30	25.00	1.175	0.03	0.100	0.117
	FR1 n71_Ant 1	20M	BPSK	50	0	Left Side	10mm	Brick	DSI 3	136100	680.5	SKU9	Battery1	24.08	25.00	1.236	0.11	0.046	0.057
	FR1 n71_Ant 1	20M	BPSK	1	1	Top Side	10mm	Brick	DSI 3	136100	680.5	SKU9	Battery1	24.30	25.00	1.175	-0.08	0.041	0.048
	FR1 n71_Ant 1	20M	BPSK	50	0	Top Side	10mm	Brick	DSI 3	136100	680.5	SKU9	Battery1	24.08	25.00	1.236	-0.17	0.020	0.025
	FR1 n71_Ant 1	20M	BPSK	1	1	Back	10mm	Brick	DSI 3	136100	680.5	SKU9	Battery2	24.30	25.00	1.175	-0.12	0.100	0.117
	FR1 n71_Ant 1	20M	BPSK	1	1	Back	10mm	Brick	DSI 3	136100	680.5	SKU9	Battery3	24.30	25.00	1.175	0.03	0.095	0.112
	FR1 n71_Ant 1	20M	BPSK	1	1	Back	10mm	Brick	DSI 3	136100	680.5	SKU9	Battery4	24.30	25.00	1.175	-0.16	0.094	0.110
	FR1 n71_Ant 1	20M	BPSK	1	1	Front	10mm	Gun	DSI 3	136100	680.5	SKU11	Battery1	24.30	25.00	1.175	-0.18	0.070	0.082
	FR1 n71_Ant 1	20M	BPSK	50	0	Front	10mm	Gun	DSI 3	136100	680.5	SKU11	Battery1	24.08	25.00	1.236	0.03	0.046	0.057
	FR1 n71_Ant 1	20M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	136100	680.5	SKU11	Battery1	24.30	25.00	1.175	-0.09	0.091	0.107
	FR1 n71_Ant 1	20M	BPSK	50	0	Left Side	10mm	Gun	DSI 3	136100	680.5	SKU11	Battery1	24.08	25.00	1.236	0.12	0.060	0.074
	FR1 n71_Ant 1	20M	BPSK	1	1	Top Side	10mm	Gun	DSI 3	136100	680.5	SKU11	Battery1	24.30	25.00	1.175	-0.01	0.039	0.046
	FR1 n71_Ant 1	20M	BPSK	50	0	Top Side	10mm	Gun	DSI 3	136100	680.5	SKU11	Battery1	24.08	25.00	1.236	-0.18	0.026	0.032
	FR1 n71_Ant 1	20M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	136100	680.5	SKU3	Battery2	24.30	25.00	1.175	0.07	0.080	0.094
	FR1 n71_Ant 1	20M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	136100	680.5	SKU6	Battery3	24.30	25.00	1.175	-0.1	0.076	0.089
	FR1 n71_Ant 1	20M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	136100	680.5	SKU10	Battery4	24.30	25.00	1.175	-0.05	0.091	0.107
	FR1 n41_Ant 5	100M	BPSK	1	1	Front	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	21.40	22.00	1.148	0.1	0.100	0.115
	FR1 n41_Ant 5	100M	BPSK	135	69	Front	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	21.30	22.00	1.175	0.15	0.063	0.074
	FR1 n41_Ant 5	100M	BPSK	1	1	Back	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	21.40	22.00	1.148	0.03	0.189	0.217
	FR1 n41_Ant 5	100M	BPSK	135	69	Back	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	21.30	22.00	1.175	-0.16	0.122	0.143
24	FR1 n41_Ant 5	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	21.40	22.00	1.148	0.08	0.438	0.503
	FR1 n41_Ant 5	100M	BPSK	135	69	Left Side	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	21.30	22.00	1.175	-0.01	0.425	0.499
	FR1 n41_Ant 5	100M	BPSK	1	1	Top Side	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	21.40	22.00	1.148	0.15	0.066	0.076
	FR1 n41_Ant 5	100M	BPSK	135	69	Top Side	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	21.30	22.00	1.175	0.11	0.041	0.048
	FR1 n41_HPUE_Ant 5	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	24.50	25.00	1.122	-0.02	0.408	0.458
	FR1 n41_Ant 5	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery2	21.40	22.00	1.148	0.15	0.432	0.496
	FR1 n41_Ant 5	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery3	21.40	22.00	1.148	-0.09	0.435	0.499
	FR1 n41_Ant 5	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery4	21.40	22.00	1.148	0.11	0.436	0.501
	FR1 n41_Ant 5	100M	BPSK	1	1	Front	10mm	Gun	DSI 3	518598	2592.99	SKU11	Battery1	21.40	22.00	1.148	-0.01	0.115	0.132
	FR1 n41_Ant 5	100M	BPSK	135	0	Front	10mm	Gun	DSI 3	518598	2592.99	SKU11	Battery1	21.21	22.00	1.199	0.01	0.078	0.094
	FR1 n41_Ant 5	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	518598	2592.99	SKU11	Battery1	21.40	22.00	1.148	-0.04	0.394	0.452
	FR1 n41_Ant 5	100M	BPSK	135	0	Left Side	10mm	Gun	DSI 3	518598	2592.99	SKU11	Battery1	21.21	22.00	1.199	-0.17	0.299	0.359
	FR1 n41_Ant 5	100M	BPSK	1	1	Top Side	10mm	Gun	DSI 3	518598	2592.99	SKU11	Battery1	21.40	22.00	1.148	0.17	0.068	0.078
	FR1 n41_Ant 5	100M	BPSK	135	0	Top Side	10mm	Gun	DSI 3	518598	2592.99	SKU11	Battery1	21.21	22.00	1.199	-0.05	0.041	0.049
	FR1 n41_HPUE_Ant 5	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	518598	2592.99	SKU11	Battery1	24.50	25.00	1.122	-0.02	0.362	0.406
	FR1 n41_Ant 5	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	518598	2592.99	SKU3	Battery2	21.40	22.00	1.148	0.1	0.270	0.310
	FR1 n41_Ant 5	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	518598	2592.99	SKU6	Battery3	21.40	22.00	1.148	-0.17	0.268	0.308
	FR1 n41_Ant 5	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	518598	2592.99	SKU10	Battery4	21.40	22.00	1.148	0.04	0.281	0.323
	FR1 n41_Ant 2	100M	BPSK	1	1	Front	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	22.97	23.00	1.007	0.18	0.149	0.150
	FR1 n41_Ant 2	100M	BPSK	135	0	Front	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	21.87	22.50	1.156	0.14	0.114	0.132
	FR1 n41_Ant 2	100M	BPSK	1	1	Back	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	22.97	23.00	1.007	0.06	0.418	0.421
	FR1 n41_Ant 2	100M	BPSK	135	0	Back	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	21.87	22.50	1.156	-0.17	0.312	0.361
	FR1 n41_Ant 2	100M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	22.97	23.00	1.007	-0.03	0.373	0.376
	FR1 n41_Ant 2	100M	BPSK	135	0	Right Side	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	21.87	22.50	1.156	0.14	0.281	0.325
	FR1 n41_Ant 2	100M	BPSK	1	1	Top Side	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	22.97	23.00	1.007	0.11	0.117	0.118
	FR1 n41_Ant 2	100M	BPSK	135	0	Top Side	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	21.87	22.50	1.156	0.03	0.085	0.098
	FR1 n41_Ant 2	100M	BPSK	1	1	Back	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery2	22.97	23.00	1.007	-0.05	0.410	0.413
	FR1 n41_Ant 2	100M	BPSK	1	1	Back	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery3	22.97	23.00	1.007	-0.08	0.412	0.415
	FR1 n41_Ant 2	100M	BPSK	1	1	Back	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery4	22.97	23.00	1.007	0.16	0.415	0.418
	FR1 n41_Ant 2	100M	BPSK	1	1	Front	10mm	Gun	DSI 3	518598	2592.99	SKU11	Battery1	22.97	23.00	1.007	-0.08	0.146	0.147
	FR1 n41_Ant 2	100M	BPSK	135	0	Front	10mm	Gun	DSI 3	518598	2592.99	SKU11	Battery1	21.87	22.50	1.156	-0.04	0.101	0.117
	FR1 n41_Ant 2	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	518598	2592.99	SKU11	Battery1	22.97	23.00	1.007	-0.08	0.326	0.328
	FR1 n41_Ant 2	100M	BPSK	135	0	Right Side	10mm	Gun	DSI 3	518598	2592.99	SKU11	Battery1	21.87	22.50	1.156	0.17	0.232	0.268
	FR1 n41_Ant 2	100M	BPSK	1	1	Top Side	10mm	Gun	DSI 3	518598	2592.99	SKU11	Battery1	22.97	23.00	1.007	0.18	0.127	0.128
	FR1 n41_Ant 2	100M	BPSK	135	0	Top Side	10mm	Gun	DSI 3	518598	2592.99	SKU11	Battery1	21.87	22.50	1.156	-0.04	0.090	0.104
	FR1 n41_Ant 2	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	518598	2592.99	SKU3	Battery2	22.97	23.00	1.007	-0.08	0.263	0.265



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	FR1 n41_Ant 2	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	518598	2592.99	SKU6	Battery3	22.97	23.00	1.007	-0.05	0.349	0.351
	FR1 n41_Ant 2	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	518598	2592.99	SKU10	Battery4	22.97	23.00	1.007	0.08	0.296	0.298
	FR1 n41_Ant 3	100M	BPSK	1	1	Front	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	21.70	22.50	1.202	-0.13	0.017	0.020
	FR1 n41_Ant 3	100M	BPSK	135	0	Front	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	21.68	22.00	1.076	0.13	0.010	0.011
	FR1 n41_Ant 3	100M	BPSK	1	1	Back	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	21.70	22.50	1.202	0.06	0.022	0.026
	FR1 n41_Ant 3	100M	BPSK	135	0	Back	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	21.68	22.00	1.076	-0.03	0.012	0.013
	FR1 n41_Ant 3	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	21.70	22.50	1.202	-0.08	0.065	0.078
	FR1 n41_Ant 3	100M	BPSK	135	0	Left Side	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	21.68	22.00	1.076	-0.03	0.050	0.054
	FR1 n41_Ant 3	100M	BPSK	1	1	Top Side	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	21.70	22.50	1.202	0.08	0.001	0.001
	FR1 n41_Ant 3	100M	BPSK	135	0	Top Side	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	21.68	22.00	1.076	-0.07	0.001	0.001
	FR1 n41_Ant 3	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery2	21.70	22.50	1.202	0.05	0.062	0.075
	FR1 n41_Ant 3	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery3	21.70	22.50	1.202	0.03	0.054	0.065
	FR1 n41_Ant 3	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery4	21.70	22.50	1.202	-0.03	0.058	0.070
	FR1 n41_Ant 3	100M	BPSK	1	1	Front	10mm	Gun	DSI 3	518598	2592.99	SKU11	Battery1	21.70	22.50	1.202	0.05	0.001	0.001
	FR1 n41_Ant 3	100M	BPSK	135	0	Front	10mm	Gun	DSI 3	518598	2592.99	SKU11	Battery1	21.68	22.00	1.076	-0.11	0.001	0.001
	FR1 n41_Ant 3	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	518598	2592.99	SKU11	Battery1	21.70	22.50	1.202	-0.12	0.040	0.048
	FR1 n41_Ant 3	100M	BPSK	135	0	Left Side	10mm	Gun	DSI 3	518598	2592.99	SKU11	Battery1	21.68	22.00	1.076	0.03	0.035	0.038
	FR1 n41_Ant 3	100M	BPSK	1	1	Top Side	10mm	Gun	DSI 3	518598	2592.99	SKU11	Battery1	21.70	22.50	1.202	-0.16	0.001	0.001
	FR1 n41_Ant 3	100M	BPSK	135	0	Top Side	10mm	Gun	DSI 3	518598	2592.99	SKU11	Battery1	21.68	22.00	1.076	-0.02	0.001	0.001
	FR1 n41_Ant 3	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	518598	2592.99	SKU3	Battery2	21.70	22.50	1.202	0.15	0.029	0.035
	FR1 n41_Ant 3	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	518598	2592.99	SKU6	Battery3	21.70	22.50	1.202	-0.05	0.057	0.069
	FR1 n41_Ant 3	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	518598	2592.99	SKU10	Battery4	21.70	22.50	1.202	-0.11	0.047	0.057
	FR1 n41_Ant 4	100M	BPSK	1	1	Front	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	20.66	22.50	1.528	-0.09	0.062	0.095
	FR1 n41_Ant 4	100M	BPSK	135	0	Front	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	20.65	22.00	1.365	0.11	0.058	0.079
	FR1 n41_Ant 4	100M	BPSK	1	1	Back	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	20.66	22.50	1.528	-0.05	0.136	0.208
	FR1 n41_Ant 4	100M	BPSK	135	0	Back	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	20.65	22.00	1.365	-0.08	0.132	0.180
	FR1 n41_Ant 4	100M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	20.66	22.50	1.528	-0.09	0.200	0.306
	FR1 n41_Ant 4	100M	BPSK	135	0	Right Side	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	20.65	22.00	1.365	0.16	0.190	0.259
	FR1 n41_Ant 4	100M	BPSK	1	1	Top Side	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	20.66	22.50	1.528	0.05	0.001	0.002
	FR1 n41_Ant 4	100M	BPSK	135	0	Top Side	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery1	20.65	22.00	1.365	0.05	0.001	0.001
	FR1 n41_Ant 4	100M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery2	20.66	22.50	1.528	-0.15	0.195	0.298
	FR1 n41_Ant 4	100M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery3	20.66	22.50	1.528	0.02	0.198	0.302
	FR1 n41_Ant 4	100M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	518598	2592.99	SKU9	Battery4	20.66	22.50	1.528	0.07	0.194	0.296
	FR1 n41_Ant 4	100M	BPSK	1	1	Front	10mm	Gun	DSI 3	518598	2592.99	SKU11	Battery1	20.66	22.50	1.528	-0.18	0.037	0.057
	FR1 n41_Ant 4	100M	BPSK	135	0	Front	10mm	Gun	DSI 3	518598	2592.99	SKU11	Battery1	20.65	22.00	1.365	-0.08	0.032	0.044
	FR1 n41_Ant 4	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	518598	2592.99	SKU11	Battery1	20.66	22.50	1.528	-0.05	0.171	0.261
	FR1 n41_Ant 4	100M	BPSK	135	0	Right Side	10mm	Gun	DSI 3	518598	2592.99	SKU11	Battery1	20.65	22.00	1.365	-0.04	0.166	0.227
	FR1 n41_Ant 4	100M	BPSK	1	1	Top Side	10mm	Gun	DSI 3	518598	2592.99	SKU11	Battery1	20.66	22.50	1.528	-0.01	0.001	0.002
	FR1 n41_Ant 4	100M	BPSK	135	0	Top Side	10mm	Gun	DSI 3	518598	2592.99	SKU11	Battery1	20.65	22.00	1.365	-0.15	0.001	0.001
	FR1 n41_Ant 4	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	518598	2592.99	SKU3	Battery2	20.66	22.50	1.528	-0.06	0.105	0.160
	FR1 n41_Ant 4	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	518598	2592.99	SKU6	Battery3	20.66	22.50	1.528	-0.12	0.133	0.203
	FR1 n41_Ant 4	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	518598	2592.99	SKU10	Battery4	20.66	22.50	1.528	-0.12	0.149	0.228
	FR1 n48_Ant 8	40M	BPSK	1	1	Front	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	19.80	20.50	1.175	0.12	0.177	0.208
	FR1 n48_Ant 8	40M	BPSK	50	0	Front	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	19.70	20.50	1.202	-0.14	0.159	0.191
	FR1 n48_Ant 8	40M	BPSK	1	1	Back	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	19.80	20.50	1.175	0.03	0.222	0.261
	FR1 n48_Ant 8	40M	BPSK	50	0	Back	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	19.70	20.50	1.202	0.17	0.210	0.252
25	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	19.80	20.50	1.175	-0.1	0.496	0.583
	FR1 n48_Ant 8	40M	BPSK	50	0	Right Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	19.70	20.50	1.202	-0.04	0.478	0.575
	FR1 n48_Ant 8	40M	BPSK	1	1	Top Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	19.80	20.50	1.175	-0.13	0.053	0.062
	FR1 n48_Ant 8	40M	BPSK	50	0	Top Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	19.70	20.50	1.202	-0.18	0.045	0.054
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery2	19.80	20.50	1.175	0.16	0.490	0.576
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery3	19.80	20.50	1.175	0.13	0.485	0.570
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery4	19.80	20.50	1.175	-0.18	0.489	0.575
	FR1 n48_Ant 8	40M	BPSK	1	1	Front	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	19.80	20.50	1.175	0.1	0.206	0.242
	FR1 n48_Ant 8	40M	BPSK	50	0	Front	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	19.70	20.50	1.202	0.17	0.194	0.233
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	19.80	20.50	1.175	-0.09	0.484	0.569



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	FR1 n48_Ant 8	40M	BPSK	50	0	Right Side	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	19.70	20.50	1.202	-0.01	0.466	0.560
	FR1 n48_Ant 8	40M	BPSK	1	1	Top Side	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	19.80	20.50	1.175	-0.02	0.059	0.069
	FR1 n48_Ant 8	40M	BPSK	50	0	Top Side	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	19.70	20.50	1.202	-0.13	0.047	0.057
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	641666	3624.99	SKU3	Battery2	19.80	20.50	1.175	0.14	0.467	0.549
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	641666	3624.99	SKU6	Battery3	19.80	20.50	1.175	-0.16	0.422	0.496
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	641666	3624.99	SKU10	Battery4	19.80	20.50	1.175	-0.04	0.439	0.516
	FR1 n77_Ant 9	100M	BPSK	1	1	Front	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	18.45	18.50	1.012	-0.07	0.054	0.055
	FR1 n77_Ant 9	100M	BPSK	135	0	Front	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	18.33	18.50	1.040	0.13	0.050	0.052
	FR1 n77_Ant 9	100M	BPSK	1	1	Back	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	18.45	18.50	1.012	-0.12	0.125	0.126
	FR1 n77_Ant 9	100M	BPSK	135	0	Back	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	18.33	18.50	1.040	0.08	0.122	0.127
	FR1 n77_Ant 9	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	18.45	18.50	1.012	-0.03	0.258	0.261
	FR1 n77_Ant 9	100M	BPSK	135	0	Left Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	18.33	18.50	1.040	0.06	0.245	0.255
	FR1 n77_Ant 9	100M	BPSK	1	1	Top Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	18.45	18.50	1.012	0.11	0.018	0.018
	FR1 n77_Ant 9	100M	BPSK	135	0	Top Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	18.33	18.50	1.040	-0.08	0.012	0.012
	FR1 n77_HPUE_Ant 9	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	21.43	21.50	1.016	-0.04	0.255	0.259
	FR1 n77_Ant 9	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery2	18.45	18.50	1.012	0.02	0.251	0.254
	FR1 n77_Ant 9	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery3	18.45	18.50	1.012	0.16	0.248	0.251
	FR1 n77_Ant 9	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery4	18.45	18.50	1.012	-0.03	0.255	0.258
	FR1 n77_Ant 9	100M	BPSK	1	1	Front	10mm	Gun	DSI 3	656000	3840	SKU11	Battery1	18.45	18.50	1.012	0.09	0.027	0.027
	FR1 n77_Ant 9	100M	BPSK	135	0	Front	10mm	Gun	DSI 3	656000	3840	SKU11	Battery1	18.33	18.50	1.040	-0.06	0.020	0.021
	FR1 n77_Ant 9	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	656000	3840	SKU11	Battery1	18.45	18.50	1.012	0.05	0.256	0.259
	FR1 n77_Ant 9	100M	BPSK	135	0	Left Side	10mm	Gun	DSI 3	656000	3840	SKU11	Battery1	18.33	18.50	1.040	-0.17	0.237	0.246
	FR1 n77_Ant 9	100M	BPSK	1	1	Top Side	10mm	Gun	DSI 3	656000	3840	SKU11	Battery1	18.45	18.50	1.012	0	0.001	0.001
	FR1 n77_Ant 9	100M	BPSK	135	0	Top Side	10mm	Gun	DSI 3	656000	3840	SKU11	Battery1	18.33	18.50	1.040	0	0.001	0.001
	FR1 n77_HPUE_Ant 9	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	656000	3840	SKU11	Battery1	21.43	21.50	1.016	-0.12	0.248	0.252
	FR1 n77_Ant 9	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	656000	3840	SKU3	Battery2	18.45	18.50	1.012	0.07	0.231	0.234
	FR1 n77_Ant 9	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	656000	3840	SKU6	Battery3	18.45	18.50	1.012	-0.05	0.243	0.246
	FR1 n77_Ant 9	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	656000	3840	SKU10	Battery4	18.45	18.50	1.012	0.14	0.207	0.209
	FR1 n77_Ant 9	100M	BPSK	1	1	Front	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	18.17	18.50	1.079	-0.04	0.071	0.077
	FR1 n77_Ant 9	100M	BPSK	135	0	Front	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	18.03	18.50	1.114	0.05	0.068	0.076
	FR1 n77_Ant 9	100M	BPSK	1	1	Back	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	18.17	18.50	1.079	0.17	0.081	0.087
	FR1 n77_Ant 9	100M	BPSK	135	0	Back	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	18.03	18.50	1.114	-0.07	0.072	0.080
	FR1 n77_Ant 9	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	18.17	18.50	1.079	0	0.280	0.302
	FR1 n77_Ant 9	100M	BPSK	135	0	Left Side	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	18.03	18.50	1.114	0.01	0.253	0.282
	FR1 n77_Ant 9	100M	BPSK	1	1	Top Side	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	18.17	18.50	1.079	0.06	0.030	0.032
	FR1 n77_Ant 9	100M	BPSK	135	0	Top Side	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	18.03	18.50	1.114	-0.09	0.025	0.028
	FR1 n77_HPUE_Ant 9	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	21.33	21.50	1.040	-0.07	0.274	0.285
	FR1 n77_Ant 9	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery2	18.17	18.50	1.079	0.07	0.275	0.297
	FR1 n77_Ant 9	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery3	18.17	18.50	1.079	0	0.271	0.292
	FR1 n77_Ant 9	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery4	18.17	18.50	1.079	0.01	0.279	0.301
	FR1 n77_Ant 9	100M	BPSK	1	1	Front	10mm	Gun	DSI 3	633332	3499.98	SKU11	Battery1	18.17	18.50	1.079	-0.03	0.084	0.091
	FR1 n77_Ant 9	100M	BPSK	135	0	Front	10mm	Gun	DSI 3	633332	3499.98	SKU11	Battery1	18.03	18.50	1.114	0.1	0.077	0.086
	FR1 n77_Ant 9	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	633332	3499.98	SKU11	Battery1	18.17	18.50	1.079	-0.12	0.259	0.279
	FR1 n77_Ant 9	100M	BPSK	135	0	Left Side	10mm	Gun	DSI 3	633332	3499.98	SKU11	Battery1	18.03	18.50	1.114	0.07	0.236	0.263
	FR1 n77_Ant 9	100M	BPSK	1	1	Top Side	10mm	Gun	DSI 3	633332	3499.98	SKU11	Battery1	18.17	18.50	1.079	0	0.001	0.001
	FR1 n77_Ant 9	100M	BPSK	135	0	Top Side	10mm	Gun	DSI 3	633332	3499.98	SKU11	Battery1	18.03	18.50	1.114	0	0.001	0.001
	FR1 n77_HPUE_Ant 9	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	633332	3499.98	SKU11	Battery1	21.33	21.50	1.040	-0.05	0.264	0.275
	FR1 n77_Ant 9	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	633332	3499.98	SKU3	Battery2	18.17	18.50	1.079	-0.01	0.273	0.295
	FR1 n77_Ant 9	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	633332	3499.98	SKU6	Battery3	18.17	18.50	1.079	-0.02	0.243	0.262
	FR1 n77_Ant 9	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	633332	3499.98	SKU10	Battery4	18.17	18.50	1.079	0.19	0.240	0.259
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Front	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	18.49	18.50	1.002	-0.1	0.120	0.120
	FR1 n77/n78_Ant 9	100M	BPSK	135	0	Front	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	18.33	18.50	1.040	-0.04	0.101	0.105
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Back	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	18.49	18.50	1.002	-0.01	0.090	0.090
	FR1 n77/n78_Ant 9	100M	BPSK	135	0	Back	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	18.33	18.50	1.040	0.07	0.075	0.078
26	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	18.49	18.50	1.002	-0.04	0.517	0.518
	FR1 n77/n78_Ant 9	100M	BPSK	135	0	Left Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	18.33	18.50	1.040	0.03	0.488	0.507



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	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Top Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	18.49	18.50	1.002	-0.17	0.041	0.041
	FR1 n77/n78_Ant 9	100M	BPSK	135	0	Top Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	18.33	18.50	1.040	0.11	0.032	0.033
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery2	18.49	18.50	1.002	-0.01	0.512	0.513
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery3	18.49	18.50	1.002	-0.06	0.508	0.509
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery4	18.49	18.50	1.002	-0.04	0.515	0.516
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Front	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	18.49	18.50	1.002	-0.06	0.180	0.180
	FR1 n77/n78_Ant 9	100M	BPSK	135	0	Front	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	18.33	18.50	1.040	-0.04	0.166	0.173
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	18.49	18.50	1.002	0.12	0.389	0.390
	FR1 n77/n78_Ant 9	100M	BPSK	135	0	Left Side	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	18.33	18.50	1.040	-0.13	0.368	0.383
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Top Side	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	18.49	18.50	1.002	0.05	0.001	0.001
	FR1 n77/n78_Ant 9	100M	BPSK	135	0	Top Side	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	18.33	18.50	1.040	0	0.001	0.001
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	641666	3624.99	SKU3	Battery2	18.49	18.50	1.002	-0.12	0.366	0.367
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	641666	3624.99	SKU6	Battery3	18.49	18.50	1.002	-0.15	0.362	0.363
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	641666	3624.99	SKU10	Battery4	18.49	18.50	1.002	-0.06	0.298	0.299
	FR1 n77_Ant 8	100M	BPSK	1	1	Front	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	17.98	18.50	1.127	0.08	0.125	0.141
	FR1 n77_Ant 8	100M	BPSK	135	0	Front	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	17.84	18.50	1.164	0.01	0.100	0.116
	FR1 n77_Ant 8	100M	BPSK	1	1	Back	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	17.98	18.50	1.127	0.03	0.128	0.144
	FR1 n77_Ant 8	100M	BPSK	135	0	Back	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	17.84	18.50	1.164	-0.08	0.103	0.120
	FR1 n77_Ant 8	100M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	17.98	18.50	1.127	-0.18	0.371	0.418
	FR1 n77_Ant 8	100M	BPSK	135	0	Right Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	17.84	18.50	1.164	-0.08	0.338	0.393
	FR1 n77_Ant 8	100M	BPSK	1	1	Top Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	17.98	18.50	1.127	0.1	0.044	0.050
	FR1 n77_Ant 8	100M	BPSK	135	0	Top Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	17.84	18.50	1.164	-0.18	0.032	0.037
	FR1 n77_HPUE_Ant 8	100M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	21.00	21.50	1.122	-0.05	0.369	0.414
	FR1 n77_Ant 8	100M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery2	17.98	18.50	1.127	0.03	0.360	0.406
	FR1 n77_Ant 8	100M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery3	17.98	18.50	1.127	0.02	0.357	0.402
	FR1 n77_Ant 8	100M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery4	17.98	18.50	1.127	0.18	0.354	0.399
	FR1 n77_Ant 8	100M	BPSK	1	1	Front	10mm	Gun	DSI 3	656000	3840	SKU11	Battery1	17.98	18.50	1.127	0.07	0.159	0.179
	FR1 n77_Ant 8	100M	BPSK	135	0	Front	10mm	Gun	DSI 3	656000	3840	SKU11	Battery1	17.84	18.50	1.164	-0.05	0.145	0.169
	FR1 n77_Ant 8	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	656000	3840	SKU11	Battery1	17.98	18.50	1.127	-0.13	0.415	0.468
	FR1 n77_Ant 8	100M	BPSK	135	0	Right Side	10mm	Gun	DSI 3	656000	3840	SKU11	Battery1	17.84	18.50	1.164	0.18	0.403	0.469
	FR1 n77_Ant 8	100M	BPSK	1	1	Top Side	10mm	Gun	DSI 3	656000	3840	SKU11	Battery1	17.98	18.50	1.127	-0.13	0.056	0.063
	FR1 n77_Ant 8	100M	BPSK	135	0	Top Side	10mm	Gun	DSI 3	656000	3840	SKU11	Battery1	17.84	18.50	1.164	-0.03	0.050	0.058
	FR1 n77_HPUE_Ant 8	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	656000	3840	SKU11	Battery1	21.00	21.50	1.122	-0.18	0.410	0.460
	FR1 n77_Ant 8	100M	BPSK	135	0	Right Side	10mm	Gun	DSI 3	656000	3840	SKU3	Battery2	17.84	18.50	1.164	-0.19	0.420	0.489
	FR1 n77_Ant 8	100M	BPSK	135	0	Right Side	10mm	Gun	DSI 3	656000	3840	SKU6	Battery3	17.84	18.50	1.164	-0.14	0.422	0.491
	FR1 n77_Ant 8	100M	BPSK	135	0	Right Side	10mm	Gun	DSI 3	656000	3840	SKU10	Battery4	17.84	18.50	1.164	-0.12	0.374	0.435
	FR1 n77_Ant 8	100M	BPSK	1	1	Front	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	18.10	18.50	1.096	-0.05	0.113	0.124
	FR1 n77_Ant 8	100M	BPSK	135	0	Front	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	18.05	18.50	1.109	0.13	0.107	0.119
	FR1 n77_Ant 8	100M	BPSK	1	1	Back	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	18.10	18.50	1.096	0.11	0.110	0.121
	FR1 n77_Ant 8	100M	BPSK	135	0	Back	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	18.05	18.50	1.109	0.05	0.100	0.111
	FR1 n77_Ant 8	100M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	18.10	18.50	1.096	-0.03	0.313	0.343
	FR1 n77_Ant 8	100M	BPSK	135	0	Right Side	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	18.05	18.50	1.109	-0.17	0.297	0.329
	FR1 n77_Ant 8	100M	BPSK	1	1	Top Side	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	18.10	18.50	1.096	-0.03	0.035	0.038
	FR1 n77_Ant 8	100M	BPSK	135	0	Top Side	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	18.05	18.50	1.109	-0.1	0.025	0.028
	FR1 n77_HPUE_Ant 8	100M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	21.25	21.50	1.059	-0.04	0.296	0.314
	FR1 n77_Ant 8	100M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery2	18.10	18.50	1.096	0.03	0.310	0.340
	FR1 n77_Ant 8	100M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery3	18.10	18.50	1.096	0.18	0.308	0.338
	FR1 n77_Ant 8	100M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery4	18.10	18.50	1.096	-0.11	0.311	0.341
	FR1 n77_Ant 8	100M	BPSK	1	1	Front	10mm	Gun	DSI 3	633332	3499.98	SKU11	Battery1	18.10	18.50	1.096	0.03	0.131	0.144
	FR1 n77_Ant 8	100M	BPSK	135	0	Front	10mm	Gun	DSI 3	633332	3499.98	SKU11	Battery1	18.05	18.50	1.109	0.12	0.122	0.135
	FR1 n77_Ant 8	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	633332	3499.98	SKU11	Battery1	18.10	18.50	1.096	-0.11	0.322	0.353
	FR1 n77_Ant 8	100M	BPSK	135	0	Right Side	10mm	Gun	DSI 3	633332	3499.98	SKU11	Battery1	18.05	18.50	1.109	-0.14	0.313	0.347
	FR1 n77_Ant 8	100M	BPSK	1	1	Top Side	10mm	Gun	DSI 3	633332	3499.98	SKU11	Battery1	18.10	18.50	1.096	-0.12	0.034	0.037
	FR1 n77_Ant 8	100M	BPSK	135	0	Top Side	10mm	Gun	DSI 3	633332	3499.98	SKU11	Battery1	18.05	18.50	1.109	0.08	0.027	0.030
	FR1 n77_HPUE_Ant 8	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	633332	3499.98	SKU11	Battery1	21.25	21.50	1.059	-0.04	0.350	0.371
	FR1 n77_HPUE_Ant 8	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	633332	3499.98	SKU3	Battery2	21.25	21.50	1.059	0.03	0.334	0.354



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	FR1 n77_HPUE_Ant 8	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	633332	3499.98	SKU6	Battery3	21.25	21.50	1.059	0	0.345	0.365
	FR1 n77_HPUE_Ant 8	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	633332	3499.98	SKU10	Battery4	21.25	21.50	1.059	-0.04	0.341	0.361
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Front	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	17.98	18.50	1.127	-0.19	0.115	0.130
	FR1 n77/n78_Ant 8	100M	BPSK	135	0	Front	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	17.82	18.50	1.169	-0.17	0.106	0.124
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Back	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	17.98	18.50	1.127	-0.15	0.165	0.186
	FR1 n77/n78_Ant 8	100M	BPSK	135	0	Back	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	17.82	18.50	1.169	-0.18	0.157	0.184
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	17.98	18.50	1.127	-0.06	0.383	0.432
	FR1 n77/n78_Ant 8	100M	BPSK	135	0	Right Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	17.82	18.50	1.169	-0.15	0.377	0.441
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Top Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	17.98	18.50	1.127	0.08	0.047	0.053
	FR1 n77/n78_Ant 8	100M	BPSK	135	0	Top Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	17.82	18.50	1.169	0.14	0.035	0.041
	FR1 n77/n78_Ant 8	100M	BPSK	135	0	Right Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery2	17.82	18.50	1.169	0.18	0.380	0.444
	FR1 n77/n78_Ant 8	100M	BPSK	135	0	Right Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery3	17.82	18.50	1.169	-0.17	0.378	0.442
	FR1 n77/n78_Ant 8	100M	BPSK	135	0	Right Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery4	17.82	18.50	1.169	-0.04	0.374	0.437
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Front	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	17.98	18.50	1.127	-0.15	0.085	0.096
	FR1 n77/n78_Ant 8	100M	BPSK	135	0	Front	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	17.82	18.50	1.169	0	0.065	0.076
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	17.98	18.50	1.127	-0.13	0.192	0.216
	FR1 n77/n78_Ant 8	100M	BPSK	135	0	Right Side	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	17.82	18.50	1.169	-0.11	0.176	0.206
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Top Side	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	17.98	18.50	1.127	0.15	0.016	0.018
	FR1 n77/n78_Ant 8	100M	BPSK	135	0	Top Side	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	17.82	18.50	1.169	-0.01	0.011	0.013
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	641666	3624.99	SKU3	Battery2	17.98	18.50	1.127	-0.02	0.249	0.281
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	641666	3624.99	SKU6	Battery3	17.98	18.50	1.127	-0.08	0.240	0.271
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	641666	3624.99	SKU10	Battery4	17.98	18.50	1.127	-0.18	0.231	0.260
	FR1 n77_Ant 3	100M	BPSK	1	1	Front	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	20.11	20.70	1.146	-0.01	0.066	0.076
	FR1 n77_Ant 3	100M	BPSK	135	0	Front	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	20.01	20.70	1.172	0.11	0.061	0.072
	FR1 n77_Ant 3	100M	BPSK	1	1	Back	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	20.11	20.70	1.146	-0.18	0.087	0.100
	FR1 n77_Ant 3	100M	BPSK	135	0	Back	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	20.01	20.70	1.172	-0.11	0.081	0.095
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	20.11	20.70	1.146	0.06	0.298	0.341
	FR1 n77_Ant 3	100M	BPSK	135	0	Left Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	20.01	20.70	1.172	-0.07	0.284	0.333
	FR1 n77_Ant 3	100M	BPSK	1	1	Top Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	20.11	20.70	1.146	0.01	0.023	0.026
	FR1 n77_Ant 3	100M	BPSK	135	0	Top Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	20.01	20.70	1.172	0.01	0.018	0.021
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery2	20.11	20.70	1.146	-0.01	0.291	0.333
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery3	20.11	20.70	1.146	-0.09	0.284	0.325
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery4	20.11	20.70	1.146	0.05	0.288	0.330
	FR1 n77_Ant 3	100M	BPSK	1	1	Front	10mm	Gun	DSI 3	656000	3840	SKU11	Battery1	20.11	20.70	1.146	-0.17	0.085	0.097
	FR1 n77_Ant 3	100M	BPSK	135	0	Front	10mm	Gun	DSI 3	656000	3840	SKU11	Battery1	20.01	20.70	1.172	-0.18	0.077	0.090
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	656000	3840	SKU11	Battery1	20.11	20.70	1.146	-0.16	0.343	0.393
	FR1 n77_Ant 3	100M	BPSK	135	0	Left Side	10mm	Gun	DSI 3	656000	3840	SKU11	Battery1	20.01	20.70	1.172	0.06	0.329	0.386
	FR1 n77_Ant 3	100M	BPSK	1	1	Top Side	10mm	Gun	DSI 3	656000	3840	SKU11	Battery1	20.11	20.70	1.146	-0.18	0.022	0.025
	FR1 n77_Ant 3	100M	BPSK	135	0	Top Side	10mm	Gun	DSI 3	656000	3840	SKU11	Battery1	20.01	20.70	1.172	-0.02	0.015	0.018
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	656000	3840	SKU3	Battery2	20.11	20.70	1.146	-0.03	0.418	0.479
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	656000	3840	SKU6	Battery3	20.11	20.70	1.146	-0.06	0.369	0.423
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	656000	3840	SKU10	Battery4	20.11	20.70	1.146	-0.03	0.341	0.391
	FR1 n77_Ant 3	100M	BPSK	1	1	Front	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	19.95	20.70	1.189	0.1	0.053	0.063
	FR1 n77_Ant 3	100M	BPSK	135	0	Front	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	19.80	20.70	1.230	0.18	0.047	0.058
	FR1 n77_Ant 3	100M	BPSK	1	1	Back	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	19.95	20.70	1.189	0.12	0.186	0.221
	FR1 n77_Ant 3	100M	BPSK	135	0	Back	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	19.80	20.70	1.230	-0.12	0.171	0.210
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	19.95	20.70	1.189	0.11	0.197	0.234
	FR1 n77_Ant 3	100M	BPSK	135	0	Left Side	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	19.80	20.70	1.230	0.18	0.189	0.233
	FR1 n77_Ant 3	100M	BPSK	1	1	Top Side	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	19.95	20.70	1.189	0	0.001	0.001
	FR1 n77_Ant 3	100M	BPSK	135	0	Top Side	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	19.80	20.70	1.230	0	0.001	0.001
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery2	19.95	20.70	1.189	0.13	0.190	0.226
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery3	19.95	20.70	1.189	0.18	0.195	0.232
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery4	19.95	20.70	1.189	0.04	0.187	0.222
	FR1 n77_Ant 3	100M	BPSK	1	1	Front	10mm	Gun	DSI 3	633332	3499.98	SKU11	Battery1	19.95	20.70	1.189	0.07	0.041	0.049
	FR1 n77_Ant 3	100M	BPSK	135	0	Front	10mm	Gun	DSI 3	633332	3499.98	SKU11	Battery1	19.80	20.70	1.230	-0.09	0.035	0.043
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	633332	3499.98	SKU11	Battery1	19.95	20.70	1.189	0.13	0.149	0.177



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	FR1 n77_Ant 3	100M	BPSK	135	0	Left Side	10mm	Gun	DSI 3	633332	3499.98	SKU11	Battery1	19.80	20.70	1.230	0.07	0.133	0.164
	FR1 n77_Ant 3	100M	BPSK	1	1	Top Side	10mm	Gun	DSI 3	633332	3499.98	SKU11	Battery1	19.95	20.70	1.189	0	0.001	0.001
	FR1 n77_Ant 3	100M	BPSK	135	0	Top Side	10mm	Gun	DSI 3	633332	3499.98	SKU11	Battery1	19.80	20.70	1.230	0	0.001	0.001
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	633332	3499.98	SKU3	Battery2	19.95	20.70	1.189	0.15	0.178	0.212
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	633332	3499.98	SKU6	Battery3	19.95	20.70	1.189	-0.01	0.151	0.179
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	633332	3499.98	SKU10	Battery4	19.95	20.70	1.189	0.05	0.144	0.171
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Front	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	19.87	20.40	1.130	0.11	0.053	0.060
	FR1 n77/n78_Ant 3	100M	BPSK	135	0	Front	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	19.77	20.40	1.156	-0.11	0.045	0.052
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Back	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	19.87	20.40	1.130	-0.11	0.210	0.237
	FR1 n77/n78_Ant 3	100M	BPSK	135	0	Back	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	19.77	20.40	1.156	0.01	0.199	0.230
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Left Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	19.87	20.40	1.130	0.02	0.167	0.189
	FR1 n77/n78_Ant 3	100M	BPSK	135	0	Left Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	19.77	20.40	1.156	0.18	0.159	0.184
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Top Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	19.87	20.40	1.130	0	0.001	0.001
	FR1 n77/n78_Ant 3	100M	BPSK	135	0	Top Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	19.77	20.40	1.156	0	0.001	0.001
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Back	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery2	19.87	20.40	1.130	-0.14	0.200	0.226
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Back	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery3	19.87	20.40	1.130	0.08	0.208	0.235
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Back	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery4	19.87	20.40	1.130	0.14	0.204	0.230
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Front	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	19.87	20.40	1.130	0.07	0.029	0.033
	FR1 n77/n78_Ant 3	100M	BPSK	135	0	Front	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	19.77	20.40	1.156	-0.16	0.020	0.023
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	19.87	20.40	1.130	-0.09	0.157	0.177
	FR1 n77/n78_Ant 3	100M	BPSK	135	0	Left Side	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	19.77	20.40	1.156	0	0.143	0.165
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Top Side	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	19.87	20.40	1.130	0.03	0.025	0.028
	FR1 n77/n78_Ant 3	100M	BPSK	135	0	Top Side	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	19.77	20.40	1.156	-0.18	0.018	0.021
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	641666	3624.99	SKU3	Battery2	19.87	20.40	1.130	-0.11	0.165	0.186
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	641666	3624.99	SKU6	Battery3	19.87	20.40	1.130	0.11	0.145	0.164
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Left Side	10mm	Gun	DSI 3	641666	3624.99	SKU10	Battery4	19.87	20.40	1.130	-0.17	0.152	0.172
	FR1 n77_Ant 4	100M	BPSK	1	1	Front	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	16.08	16.30	1.052	-0.04	0.019	0.020
	FR1 n77_Ant 4	100M	BPSK	135	0	Front	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	15.98	16.30	1.076	-0.08	0.013	0.014
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	16.08	16.30	1.052	-0.04	0.201	0.211
	FR1 n77_Ant 4	100M	BPSK	135	0	Back	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	15.98	16.30	1.076	0.06	0.189	0.203
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	16.08	16.30	1.052	0.02	0.221	0.232
	FR1 n77_Ant 4	100M	BPSK	135	0	Right Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	15.98	16.30	1.076	-0.19	0.203	0.219
	FR1 n77_Ant 4	100M	BPSK	1	1	Top Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	16.08	16.30	1.052	0	0.009	0.009
	FR1 n77_Ant 4	100M	BPSK	135	0	Top Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery1	15.98	16.30	1.076	-0.01	0.005	0.005
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery2	16.08	16.30	1.052	0.1	0.218	0.229
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery3	16.08	16.30	1.052	0.04	0.220	0.231
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	656000	3840	SKU9	Battery4	16.08	16.30	1.052	0.13	0.217	0.228
	FR1 n77_Ant 4	100M	BPSK	1	1	Front	10mm	Gun	DSI 3	656000	3840	SKU11	Battery1	16.08	16.30	1.052	0.14	0.023	0.024
	FR1 n77_Ant 4	100M	BPSK	135	0	Front	10mm	Gun	DSI 3	656000	3840	SKU11	Battery1	15.98	16.30	1.076	0.14	0.015	0.016
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	656000	3840	SKU11	Battery1	16.08	16.30	1.052	0.08	0.197	0.207
	FR1 n77_Ant 4	100M	BPSK	135	0	Right Side	10mm	Gun	DSI 3	656000	3840	SKU11	Battery1	15.98	16.30	1.076	0.08	0.182	0.196
	FR1 n77_Ant 4	100M	BPSK	1	1	Top Side	10mm	Gun	DSI 3	656000	3840	SKU11	Battery1	16.08	16.30	1.052	0.04	0.015	0.016
	FR1 n77_Ant 4	100M	BPSK	135	0	Top Side	10mm	Gun	DSI 3	656000	3840	SKU11	Battery1	15.98	16.30	1.076	0.04	0.009	0.010
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	656000	3840	SKU3	Battery2	16.08	16.30	1.052	-0.07	0.187	0.197
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	656000	3840	SKU6	Battery3	16.08	16.30	1.052	0.06	0.217	0.228
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	656000	3840	SKU10	Battery4	16.08	16.30	1.052	-0.04	0.160	0.168
	FR1 n77_Ant 4	100M	BPSK	1	1	Front	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	16.28	16.30	1.005	0.11	0.031	0.031
	FR1 n77_Ant 4	100M	BPSK	135	0	Front	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	16.18	16.30	1.028	0.01	0.022	0.023
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	16.28	16.30	1.005	0.06	0.083	0.083
	FR1 n77_Ant 4	100M	BPSK	135	0	Back	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	16.18	16.30	1.028	-0.07	0.069	0.071
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Side	0mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	16.28	16.30	1.005	0.11	0.152	0.153
	FR1 n77_Ant 4	100M	BPSK	135	0	Right Side	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	16.18	16.30	1.028	-0.16	0.144	0.148
	FR1 n77_Ant 4	100M	BPSK	1	1	Top Side	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	16.28	16.30	1.005	0.07	0.015	0.015
	FR1 n77_Ant 4	100M	BPSK	135	0	Top Side	10mm	Brick	DSI 3	633332	3499.98	SKU9	Battery1	16.18	16.30	1.028	0.06	0.011	0.011
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Side	0mm	Brick	DSI 3	633332	3499.98	SKU9	Battery2	16.28	16.30	1.005	-0.18	0.148	0.149
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Side	0mm	Brick	DSI 3	633332	3499.98	SKU9	Battery3	16.28	16.30	1.005	-0.11	0.142	0.143



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	FR1 n77_Ant 4	100M	BPSK	1	1	Right Side	0mm	Brick	DSI 3	633332	3499.98	SKU9	Battery4	16.28	16.30	1.005	-0.16	0.150	0.151
	FR1 n77_Ant 4	100M	BPSK	1	1	Front	10mm	Gun	DSI 3	633332	3499.98	SKU11	Battery1	16.28	16.30	1.005	-0.1	0.108	0.108
	FR1 n77_Ant 4	100M	BPSK	135	0	Front	10mm	Gun	DSI 3	633332	3499.98	SKU11	Battery1	16.18	16.30	1.028	-0.15	0.096	0.099
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	633332	3499.98	SKU11	Battery1	16.28	16.30	1.005	0.08	0.147	0.148
	FR1 n77_Ant 4	100M	BPSK	135	0	Right Side	10mm	Gun	DSI 3	633332	3499.98	SKU11	Battery1	16.18	16.30	1.028	-0.08	0.115	0.118
	FR1 n77_Ant 4	100M	BPSK	1	1	Top Side	10mm	Gun	DSI 3	633332	3499.98	SKU11	Battery1	16.28	16.30	1.005	0	0.001	0.001
	FR1 n77_Ant 4	100M	BPSK	135	0	Top Side	10mm	Gun	DSI 3	633332	3499.98	SKU11	Battery1	16.18	16.30	1.028	0	0.001	0.001
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	633332	3499.98	SKU3	Battery2	16.28	16.30	1.005	0.04	0.154	0.155
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 3	633332	3499.98	SKU6	Battery3	16.28	16.30	1.005	0.09	0.164	0.165
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	633332	3499.98	SKU10	Battery4	16.28	16.30	1.005	0.11	0.152	0.153
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Front	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	15.95	16.30	1.084	-0.19	0.027	0.029
	FR1 n77/n78_Ant 4	100M	BPSK	135	0	Front	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	15.85	16.30	1.109	-0.08	0.020	0.022
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Back	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	15.95	16.30	1.084	0.03	0.073	0.079
	FR1 n77/n78_Ant 4	100M	BPSK	135	0	Back	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	15.85	16.30	1.109	0	0.065	0.072
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	15.95	16.30	1.084	0.07	0.178	0.193
	FR1 n77/n78_Ant 4	100M	BPSK	135	0	Right Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	15.85	16.30	1.109	-0.1	0.155	0.172
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Top Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	15.95	16.30	1.084	0.17	0.010	0.011
	FR1 n77/n78_Ant 4	100M	BPSK	135	0	Top Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery1	15.85	16.30	1.109	0.19	0.007	0.008
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery2	15.95	16.30	1.084	-0.15	0.167	0.181
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery3	15.95	16.30	1.084	-0.06	0.172	0.186
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Right Side	10mm	Brick	DSI 3	641666	3624.99	SKU9	Battery4	15.95	16.30	1.084	-0.14	0.175	0.190
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Front	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	15.95	16.30	1.084	-0.09	0.028	0.030
	FR1 n77/n78_Ant 4	100M	BPSK	135	0	Front	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	15.85	16.30	1.109	0.19	0.023	0.026
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	15.95	16.30	1.084	0.07	0.168	0.182
	FR1 n77/n78_Ant 4	100M	BPSK	135	0	Right Side	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	15.85	16.30	1.109	-0.06	0.152	0.169
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Top Side	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	15.95	16.30	1.084	0	0.001	0.001
	FR1 n77/n78_Ant 4	100M	BPSK	135	0	Top Side	10mm	Gun	DSI 3	641666	3624.99	SKU11	Battery1	15.85	16.30	1.109	0	0.001	0.001
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	641666	3624.99	SKU3	Battery2	15.95	16.30	1.084	0.05	0.182	0.197
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	641666	3624.99	SKU6	Battery3	15.95	16.30	1.084	-0.12	0.169	0.183
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Right Side	10mm	Gun	DSI 3	641666	3624.99	SKU10	Battery4	15.95	16.30	1.084	-0.08	0.142	0.154



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Report No. : FA4O2228B

<WLAN SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Brick / Gun Type	Power State	Ch.	Freq. (MHz)	SKU	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)
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 6	Brick	Set 1 Non-DBS	6	2437	SKU 9	Battery1	18.75	19.50	1.189	98.35	1.017	-0.15	0.092	0.111
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 6	Brick	Set 1 Non-DBS	6	2437	SKU 9	Battery1	18.75	19.50	1.189	98.35	1.017	0.06	0.267	0.323
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6	Brick	Set 1 Non-DBS	6	2437	SKU 9	Battery1	18.75	19.50	1.189	98.35	1.017	0.14	0.662	0.800
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6	Brick	Set 1 Non-DBS	1	2412	SKU 9	Battery1	18.44	19.50	1.276	98.35	1.017	-0.16	0.670	0.870
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6	Brick	Set 1 Non-DBS	11	2462	SKU 9	Battery1	18.70	19.50	1.202	98.35	1.017	0.06	0.554	0.677
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6	Brick	Set 1 Non-DBS	1	2412	SKU 9	Battery2	18.44	19.50	1.276	98.35	1.017	0.07	0.623	0.809
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6	Brick	Set 1 Non-DBS	1	2412	SKU 9	Battery3	18.44	19.50	1.276	98.35	1.017	0.11	0.635	0.824
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6	Brick	Set 1 Non-DBS	1	2412	SKU 9	Battery4	18.44	19.50	1.276	98.35	1.017	0	0.610	0.792
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6	Brick	Set 5 Non-DBS	11	2462	SKU 9	Battery1	17.17	17.50	1.079	98.35	1.017	0.12	0.395	0.433
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6	Brick	Set 5 DBS	11	2462	SKU 9	Battery1	14.92	15.50	1.143	98.35	1.017	0.08	0.196	0.228
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 6	Gun	Set 1 Non-DBS	6	2437	SKU 11	Battery1	18.75	19.50	1.189	98.35	1.017	-0.11	0.079	0.095
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6	Gun	Set 1 Non-DBS	6	2437	SKU 11	Battery1	18.75	19.50	1.189	98.35	1.017	0.12	0.665	0.804
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6	Gun	Set 1 Non-DBS	1	2412	SKU 11	Battery1	18.44	19.50	1.276	98.35	1.017	0.07	0.742	0.963
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6	Gun	Set 1 Non-DBS	11	2462	SKU 11	Battery1	18.70	19.50	1.202	98.35	1.017	-0.15	0.689	0.842
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6	Gun	Set 1 Non-DBS	1	2412	SKU 10	Battery2	18.44	19.50	1.276	98.35	1.017	0.02	0.525	0.682
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6	Gun	Set 1 Non-DBS	1	2412	SKU 3	Battery3	18.44	19.50	1.276	98.35	1.017	0.07	0.475	0.617
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6	Gun	Set 1 Non-DBS	1	2412	SKU 6	Battery4	18.44	19.50	1.276	98.35	1.017	-0.18	0.482	0.626
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6	Gun	Set 5 Non-DBS	11	2462	SKU 11	Battery1	17.17	17.50	1.079	98.35	1.017	0.15	0.476	0.522
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6	Gun	Set 5 DBS	11	2462	SKU 11	Battery1	14.92	15.50	1.143	98.35	1.017	0.16	0.263	0.306
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 7	Brick	Set 1 Non-DBS	1	2412	SKU 9	Battery1	18.49	19.50	1.262	97.90	1.021	0.05	0.055	0.071
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 7	Brick	Set 1 Non-DBS	1	2412	SKU 9	Battery1	18.49	19.50	1.262	97.90	1.021	-0.12	0.115	0.148
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 7	Brick	Set 1 Non-DBS	1	2412	SKU 9	Battery1	18.49	19.50	1.262	97.90	1.021	-0.04	0.225	0.290
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 7	Brick	Set 1 Non-DBS	1	2412	SKU 9	Battery2	18.49	19.50	1.262	97.90	1.021	-0.05	0.202	0.260
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 7	Brick	Set 1 Non-DBS	1	2412	SKU 9	Battery3	18.49	19.50	1.262	97.90	1.021	0.01	0.199	0.256
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 7	Brick	Set 1 Non-DBS	1	2412	SKU 9	Battery4	18.49	19.50	1.262	97.90	1.021	0.1	0.210	0.271
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 7	Gun	Set 1 Non-DBS	1	2412	SKU 11	Battery1	18.49	19.50	1.262	97.90	1.021	-0.02	0.049	0.063
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 7	Gun	Set 1 Non-DBS	1	2412	SKU 11	Battery1	18.49	19.50	1.262	97.90	1.021	0.08	0.165	0.213
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 7	Gun	Set 1 Non-DBS	1	2412	SKU 10	Battery2	18.49	19.50	1.262	97.90	1.021	0.15	0.116	0.149
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 7	Gun	Set 1 Non-DBS	1	2412	SKU 3	Battery3	18.49	19.50	1.262	97.90	1.021	-0.11	0.106	0.137
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 7	Gun	Set 1 Non-DBS	1	2412	SKU 6	Battery4	18.49	19.50	1.262	97.90	1.021	0.14	0.107	0.138
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 6+7(6)	Brick	Set 1 Non-DBS	11	2462	SKU 9	Battery1	18.70	19.50	1.202	98.05	1.020	0.06	0.125	0.153
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 6+7(6)	Brick	Set 1 Non-DBS	11	2462	SKU 9	Battery1	18.70	19.50	1.202	98.05	1.020	-0.17	0.263	0.323
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 6+7(6)	Brick	Set 1 Non-DBS	11	2462	SKU 9	Battery1	18.70	19.50	1.202	98.05	1.020	0.05	0.245	0.300
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6+7(6)	Brick	Set 1 Non-DBS	11	2462	SKU 9	Battery1	18.70	19.50	1.202	98.05	1.020	0.18	0.653	0.801
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6+7(6)	Brick	Set 1 Non-DBS	1	2412	SKU 9	Battery1	18.62	19.50	1.225	98.05	1.020	-0.01	0.740	0.924
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6+7(6)	Brick	Set 1 Non-DBS	6	2437	SKU 9	Battery1	18.71	19.50	1.199	98.05	1.020	-0.17	0.625	0.765
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6+7(6)	Brick	Set 1 Non-DBS	1	2412	SKU 9	Battery2	18.62	19.50	1.225	98.05	1.020	-0.15	0.701	0.876
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6+7(6)	Brick	Set 1 Non-DBS	1	2412	SKU 9	Battery3	18.62	19.50	1.225	98.05	1.020	0.02	0.689	0.861
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6+7(6)	Brick	Set 1 Non-DBS	1	2412	SKU 9	Battery4	18.62	19.50	1.225	98.05	1.020	-0.15	0.715	0.893
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6+7(6)	Brick	Set 5 Non-DBS	11	2462	SKU 9	Battery1	17.09	17.50	1.099	98.05	1.020	-0.09	0.384	0.430
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6+7(6)	Brick	Set 5 DBS	11	2462	SKU 9	Battery1	14.73	15.50	1.194	98.05	1.020	0.04	0.194	0.236
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 6+7(6)	Gun	Set 1 Non-DBS	11	2462	SKU 11	Battery1	18.70	19.50	1.202	98.05	1.020	0.1	0.140	0.172
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 6+7(6)	Gun	Set 1 Non-DBS	11	2462	SKU 11	Battery1	18.70	19.50	1.202	98.05	1.020	-0.18	0.314	0.385
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6+7(6)	Gun	Set 1 Non-DBS	11	2462	SKU 11	Battery1	18.70	19.50	1.202	98.05	1.020	0.1	0.865	1.061
27	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6+7(6)	Gun	Set 1 Non-DBS	1	2412	SKU 11	Battery1	18.62	19.50	1.225	98.05	1.020	-0.16	0.945	1.180
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6+7(6)	Gun	Set 1 Non-DBS	6	2437	SKU 11	Battery1	18.71	19.50	1.199	98.05	1.020	0.12	0.862	1.055
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6+7(6)	Gun	Set 1 Non-DBS	1	2412	SKU 10	Battery2	18.62	19.50	1.225	98.05	1.020	0.08	0.638	0.797
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6+7(6)	Gun	Set 1 Non-DBS	1	2412	SKU 3	Battery3	18.62	19.50	1.225	98.05	1.020	-0.17	0.606	0.757
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6+7(6)	Gun	Set 1 Non-DBS	1	2412	SKU 6	Battery4	18.62	19.50	1.225	98.05	1.020	-0.03	0.615	0.768
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6+7(6)	Gun	Set 5 Non-DBS	11	2462	SKU 11	Battery1	17.09	17.50	1.099	98.05	1.020	-0.08	0.638	0.715
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6+7(6)	Gun	Set 5 DBS	11	2462	SKU 11	Battery1	14.73	15.50	1.194	98.05	1.020	0.04	0.345	0.420
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 6+7(7)	Brick	Set 1 Non-DBS	42	5210	SKU 9	Battery1	15.89	16.50	1.151	99.63	1.004	0.08	0.216	0.250



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	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 6+7(7)	Brick	Set 1 Non-DBS	42	5210	SKU 9	Battery1	15.89	16.50	1.151	99.63	1.004	0.16	0.140	0.162
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6+7(7)	Brick	Set 1 Non-DBS	42	5210	SKU 9	Battery1	15.89	16.50	1.151	99.63	1.004	0	0.851	0.983
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	10mm	Ant 6+7(7)	Brick	Set 1 Non-DBS	46	5230	SKU 9	Battery1	15.99	16.50	1.125	99.76	1.002	-0.08	0.824	0.929
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 6+7(7)	Brick	Set 1 Non-DBS	42	5210	SKU 9	Battery1	15.89	16.50	1.151	99.63	1.004	-0.06	0.378	0.437
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6+7(7)	Brick	Set 1 Non-DBS	42	5210	SKU 9	Battery2	15.89	16.50	1.151	99.63	1.004	-0.07	0.820	0.947
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6+7(7)	Brick	Set 1 Non-DBS	42	5210	SKU 9	Battery3	15.89	16.50	1.151	99.63	1.004	0.07	0.815	0.942
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6+7(7)	Brick	Set 1 Non-DBS	42	5210	SKU 9	Battery4	15.89	16.50	1.151	99.63	1.004	0	0.833	0.962
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6+7(7)	Brick	Set 5 Non-DBS	42	5210	SKU 9	Battery1	14.29	14.50	1.050	99.63	1.004	-0.07	0.590	0.622
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6+7(7)	Brick	Set 5 DBS	42	5210	SKU 9	Battery1	12.69	13.00	1.074	99.63	1.004	0.15	0.377	0.407
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 6+7(7)	Gun	Set 1 Non-DBS	42	5210	SKU 11	Battery1	15.89	16.50	1.151	99.63	1.004	-0.13	0.276	0.319
28	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6+7(7)	Gun	Set 1 Non-DBS	42	5210	SKU 11	Battery1	15.89	16.50	1.151	99.63	1.004	0.09	0.968	1.118
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	10mm	Ant 6+7(7)	Gun	Set 1 Non-DBS	46	5230	SKU 11	Battery1	15.99	16.50	1.125	99.76	1.002	0.12	0.933	1.051
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 6+7(7)	Gun	Set 1 Non-DBS	42	5210	SKU 11	Battery1	15.89	16.50	1.151	99.63	1.004	0.01	0.310	0.358
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6+7(7)	Gun	Set 1 Non-DBS	42	5210	SKU 10	Battery2	15.89	16.50	1.151	99.63	1.004	-0.04	0.645	0.745
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6+7(7)	Gun	Set 1 Non-DBS	42	5210	SKU 3	Battery3	15.89	16.50	1.151	99.63	1.004	-0.09	0.586	0.677
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6+7(7)	Gun	Set 1 Non-DBS	42	5210	SKU 6	Battery4	15.89	16.50	1.151	99.63	1.004	0.01	0.846	0.977
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	10mm	Ant 6+7(7)	Gun	Set 1 Non-DBS	46	5230	SKU 11	Battery1	15.99	16.50	1.125	99.76	1.002	0.09	0.800	0.901
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6+7(7)	Gun	Set 5 Non-DBS	42	5210	SKU 11	Battery1	14.29	14.50	1.050	99.63	1.004	0.06	0.639	0.673
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6+7(7)	Gun	Set 5 DBS	42	5210	SKU 11	Battery1	12.69	13.00	1.074	99.63	1.004	0.12	0.442	0.477
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 6+7(7)	Brick	Set 1 Non-DBS	155	5775	SKU 9	Battery1	17.10	17.50	1.096	99.63	1.004	0.1	0.259	0.285
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 6+7(7)	Brick	Set 1 Non-DBS	155	5775	SKU 9	Battery1	17.10	17.50	1.096	99.63	1.004	-0.18	0.264	0.291
29	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6+7(7)	Brick	Set 1 Non-DBS	155	5775	SKU 9	Battery1	17.10	17.50	1.096	99.63	1.004	-0.16	0.774	0.852
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	10mm	Ant 6+7(7)	Brick	Set 1 Non-DBS	151	5755	SKU 9	Battery1	16.70	17.50	1.202	99.76	1.002	0.09	0.701	0.844
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 6+7(7)	Brick	Set 1 Non-DBS	155	5775	SKU 9	Battery1	17.10	17.50	1.096	99.63	1.004	0.1	0.249	0.274
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6+7(7)	Brick	Set 1 Non-DBS	155	5775	SKU 9	Battery2	17.10	17.50	1.096	99.63	1.004	0.1	0.725	0.798
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6+7(7)	Brick	Set 1 Non-DBS	155	5775	SKU 9	Battery3	17.10	17.50	1.096	99.63	1.004	-0.09	0.746	0.821
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6+7(7)	Brick	Set 1 Non-DBS	155	5775	SKU 9	Battery4	17.10	17.50	1.096	99.63	1.004	-0.17	0.719	0.792
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6+7(7)	Brick	Set 5 Non-DBS	155	5775	SKU 9	Battery1	15.08	15.50	1.102	99.63	1.004	0.02	0.526	0.582
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6+7(7)	Brick	Set 5 DBS	155	5775	SKU 9	Battery1	12.76	13.50	1.186	99.63	1.004	0.17	0.314	0.374
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 6+7(7)	Gun	Set 1 Non-DBS	155	5775	SKU 11	Battery1	17.10	17.50	1.096	99.63	1.004	0.08	0.282	0.310
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6+7(7)	Gun	Set 1 Non-DBS	155	5775	SKU 11	Battery1	17.10	17.50	1.096	99.63	1.004	0.06	0.750	0.826
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	10mm	Ant 6+7(7)	Gun	Set 1 Non-DBS	151	5755	SKU 11	Battery1	16.70	17.50	1.202	99.76	1.002	-0.08	0.662	0.797
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 6+7(7)	Gun	Set 1 Non-DBS	155	5775	SKU 11	Battery1	17.10	17.50	1.096	99.63	1.004	0.01	0.317	0.349
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6+7(7)	Gun	Set 1 Non-DBS	155	5775	SKU 10	Battery2	17.10	17.50	1.096	99.63	1.004	0.03	0.574	0.632
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6+7(7)	Gun	Set 1 Non-DBS	155	5775	SKU 3	Battery3	17.10	17.50	1.096	99.63	1.004	-0.08	0.668	0.735
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6+7(7)	Gun	Set 1 Non-DBS	155	5775	SKU 6	Battery4	17.10	17.50	1.096	99.63	1.004	-0.08	0.747	0.822
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	10mm	Ant 6+7(7)	Gun	Set 1 Non-DBS	151	5755	SKU 6	Battery4	16.70	17.50	1.202	99.76	1.002	-0.08	0.674	0.812
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6+7(7)	Gun	Set 5 Non-DBS	155	5775	SKU 11	Battery1	15.08	15.50	1.102	99.63	1.004	0.18	0.512	0.566
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6+7(7)	Gun	Set 5 DBS	155	5775	SKU 11	Battery1	12.76	13.50	1.186	99.63	1.004	-0.09	0.313	0.373

**<Bluetooth SAR>**

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Brick / Gun Type	Power State	Ch.	Freq. (MHz)	SKU	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)
	Bluetooth	1Mbps	Front	10mm	Ant 6	Brick	Set 1 Non-DBS	0	2402	SKU 9	Battery1	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Back	10mm	Ant 6	Brick	Set 1 Non-DBS	0	2402	SKU 9	Battery1	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Right Side	10mm	Ant 6	Brick	Set 1 Non-DBS	0	2402	SKU 9	Battery1	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Right Side	10mm	Ant 6	Brick	Set 1 Non-DBS	0	2402	SKU 9	Battery2	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Right Side	10mm	Ant 6	Brick	Set 1 Non-DBS	0	2402	SKU 9	Battery3	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Right Side	10mm	Ant 6	Brick	Set 1 Non-DBS	0	2402	SKU 9	Battery4	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Front	10mm	Ant 6	Gun	Set 1 Non-DBS	0	2402	SKU 11	Battery1	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
30	Bluetooth	1Mbps	Right Side	10mm	Ant 6	Gun	Set 1 Non-DBS	0	2402	SKU 11	Battery1	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Right Side	10mm	Ant 6	Gun	Set 1 Non-DBS	0	2402	SKU 10	Battery2	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Right Side	10mm	Ant 6	Gun	Set 1 Non-DBS	0	2402	SKU 3	Battery3	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Right Side	10mm	Ant 6	Gun	Set 1 Non-DBS	0	2402	SKU 6	Battery4	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Front	10mm	Ant 7	Brick	Set 1 Non-DBS	39	2441	SKU 9	Battery1	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001
	Bluetooth	1Mbps	Back	10mm	Ant 7	Brick	Set 1 Non-DBS	39	2441	SKU 9	Battery1	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001
	Bluetooth	1Mbps	Left Side	10mm	Ant 7	Brick	Set 1 Non-DBS	39	2441	SKU 9	Battery1	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001
	Bluetooth	1Mbps	Left Side	10mm	Ant 7	Brick	Set 1 Non-DBS	39	2441	SKU 9	Battery2	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001
	Bluetooth	1Mbps	Left Side	10mm	Ant 7	Brick	Set 1 Non-DBS	39	2441	SKU 9	Battery3	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001
	Bluetooth	1Mbps	Left Side	10mm	Ant 7	Brick	Set 1 Non-DBS	39	2441	SKU 9	Battery4	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001
	Bluetooth	1Mbps	Front	10mm	Ant 7	Gun	Set 1 Non-DBS	39	2441	SKU 11	Battery1	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001
	Bluetooth	1Mbps	Left Side	10mm	Ant 7	Gun	Set 1 Non-DBS	39	2441	SKU 11	Battery1	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001
	Bluetooth	1Mbps	Left Side	10mm	Ant 7	Gun	Set 1 Non-DBS	39	2441	SKU 10	Battery2	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001
	Bluetooth	1Mbps	Left Side	10mm	Ant 7	Gun	Set 1 Non-DBS	39	2441	SKU 3	Battery3	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001
	Bluetooth	1Mbps	Left Side	10mm	Ant 7	Gun	Set 1 Non-DBS	39	2441	SKU 6	Battery4	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001

**13.2 Body Worn Accessory SAR****<WCDMA SAR>**

Plot No.	Band	Mode	Test Position	Gap (mm)	Brick/Gun Type	Power State	WLAN ON/OFF	Holster	Ch.	Freq. (MHz)	SKU	Battery	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA II_Ant 1	RMC 12.2Kbps	Front	5mm	Brick	DSI 1	WLAN OFF	-	9538	1907.6	SKU9	Battery1	23.50	23.90	1.096	-0.08	0.142	0.156
31	WCDMA II_Ant 1	RMC 12.2Kbps	Back	5mm	Brick	DSI 1	WLAN OFF	-	9538	1907.6	SKU9	Battery1	23.50	23.90	1.096	0.09	0.978	1.072
	WCDMA II_Ant 1	RMC 12.2Kbps	Back	5mm	Brick	DSI 1	WLAN OFF	-	9262	1852.4	SKU9	Battery1	23.45	23.90	1.109	0.19	0.958	1.063
	WCDMA II_Ant 1	RMC 12.2Kbps	Back	5mm	Brick	DSI 1	WLAN OFF	-	9400	1880	SKU9	Battery1	23.20	23.90	1.175	0.07	0.885	1.040
	WCDMA II_Ant 1	RMC 12.2Kbps	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	9538	1907.6	SKU9	Battery1	23.50	23.90	1.096	0.11	0.293	0.321
	WCDMA II_Ant 1	RMC 12.2Kbps	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	9538	1907.6	SKU9	Battery1	23.50	23.90	1.096	-0.02	0.037	0.041
	WCDMA II_Ant 1	RMC 12.2Kbps	Back	5mm	Brick	DSI 1	WLAN OFF	-	9538	1907.6	SKU9	Battery2	23.50	23.90	1.096	0.08	0.938	1.028
	WCDMA II_Ant 1	RMC 12.2Kbps	Back	5mm	Brick	DSI 1	WLAN OFF	-	9538	1907.6	SKU9	Battery3	23.50	23.90	1.096	0.01	0.923	1.012
	WCDMA II_Ant 1	RMC 12.2Kbps	Back	5mm	Brick	DSI 1	WLAN OFF	-	9538	1907.6	SKU9	Battery4	23.50	23.90	1.096	0.03	0.950	1.042
	WCDMA II_Ant 1	RMC 12.2Kbps	Back	5mm	Brick	DSI 1	WLAN ON	-	9538	1907.6	SKU9	Battery1	20.41	21.00	1.146	-0.09	0.363	0.416
	WCDMA II_Ant 1	RMC 12.2Kbps	Front	15mm	Gun	DSI 1	WLAN OFF	-	9538	1907.6	SKU11	Battery1	23.50	23.90	1.096	-0.15	0.202	0.221
	WCDMA II_Ant 1	RMC 12.2Kbps	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	9538	1907.6	SKU11	Battery1	23.50	23.90	1.096	0.12	0.665	0.729
	WCDMA II_Ant 1	RMC 12.2Kbps	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	9538	1907.6	SKU11	Battery1	23.50	23.90	1.096	-0.19	0.010	0.011
	WCDMA II_Ant 1	RMC 12.2Kbps	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	9538	1907.6	SKU3	Battery2	23.50	23.90	1.096	-0.02	0.452	0.496
	WCDMA II_Ant 1	RMC 12.2Kbps	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	9538	1907.6	SKU6	Battery3	23.50	23.90	1.096	-0.01	0.500	0.548
	WCDMA II_Ant 1	RMC 12.2Kbps	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	9538	1907.6	SKU10	Battery4	23.50	23.90	1.096	-0.06	0.481	0.527
	WCDMA IV_Ant 1	RMC 12.2Kbps	Front	5mm	Brick	DSI 1	WLAN OFF	-	1513	1752.6	SKU9	Battery1	23.10	23.30	1.047	0.04	0.135	0.141
	WCDMA IV_Ant 1	RMC 12.2Kbps	Back	5mm	Brick	DSI 1	WLAN OFF	-	1513	1752.6	SKU9	Battery1	23.10	23.30	1.047	-0.08	0.991	1.038
32	WCDMA IV_Ant 1	RMC 12.2Kbps	Back	5mm	Brick	DSI 1	WLAN OFF	-	1312	1712.4	SKU9	Battery1	23.05	23.30	1.059	0.08	1.110	1.176
	WCDMA IV_Ant 1	RMC 12.2Kbps	Back	5mm	Brick	DSI 1	WLAN OFF	-	1413	1732.6	SKU9	Battery1	22.70	23.30	1.148	0.04	0.985	1.131
	WCDMA IV_Ant 1	RMC 12.2Kbps	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	1513	1752.6	SKU9	Battery1	23.10	23.30	1.047	0.03	0.117	0.123
	WCDMA IV_Ant 1	RMC 12.2Kbps	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	1513	1752.6	SKU9	Battery1	23.10	23.30	1.047	0.15	0.001	0.001
	WCDMA IV_Ant 1	RMC 12.2Kbps	Back	5mm	Brick	DSI 1	WLAN OFF	-	1312	1712.4	SKU9	Battery2	23.05	23.30	1.059	0.13	0.995	1.054
	WCDMA IV_Ant 1	RMC 12.2Kbps	Back	5mm	Brick	DSI 1	WLAN OFF	-	1312	1712.4	SKU9	Battery3	23.05	23.30	1.059	0.15	0.978	1.036
	WCDMA IV_Ant 1	RMC 12.2Kbps	Back	5mm	Brick	DSI 1	WLAN OFF	-	1312	1712.4	SKU9	Battery4	23.05	23.30	1.059	-0.18	0.985	1.043
	WCDMA IV_Ant 1	RMC 12.2Kbps	Back	5mm	Brick	DSI 1	WLAN ON	-	1312	1712.4	SKU9	Battery1	20.11	20.50	1.094	0.14	0.480	0.525
	WCDMA IV_Ant 1	RMC 12.2Kbps	Front	15mm	Gun	DSI 1	WLAN OFF	-	1513	1752.6	SKU11	Battery1	23.10	23.30	1.047	-0.06	0.235	0.246
	WCDMA IV_Ant 1	RMC 12.2Kbps	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	1513	1752.6	SKU11	Battery1	23.10	23.30	1.047	0.02	0.794	0.831
	WCDMA IV_Ant 1	RMC 12.2Kbps	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	1312	1712.4	SKU11	Battery1	23.05	23.30	1.059	0.05	0.755	0.800
	WCDMA IV_Ant 1	RMC 12.2Kbps	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	1413	1732.6	SKU11	Battery1	22.70	23.30	1.148	0.11	0.761	0.874
	WCDMA IV_Ant 1	RMC 12.2Kbps	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	1513	1752.6	SKU11	Battery1	23.10	23.30	1.047	-0.02	0.001	0.001
	WCDMA IV_Ant 1	RMC 12.2Kbps	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	1413	1732.6	SKU3	Battery2	22.70	23.30	1.148	0.18	0.632	0.726
	WCDMA IV_Ant 1	RMC 12.2Kbps	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	1413	1732.6	SKU6	Battery3	22.70	23.30	1.148	-0.18	0.607	0.697
	WCDMA IV_Ant 1	RMC 12.2Kbps	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	1413	1732.6	SKU10	Battery4	22.70	23.30	1.148	-0.17	0.603	0.692
	WCDMA IV_Ant 1	RMC 12.2Kbps	Left Side	0mm	Gun	DSI 1	WLAN ON	Soft holster	1513	1752.6	SKU11	Battery1	20.11	20.50	1.094	0.04	0.500	0.547
	WCDMA V_Ant 1	RMC 12.2Kbps	Front	5mm	Brick	DSI 1	WLAN OFF	-	4182	836.4	SKU9	Battery1	24.32	25.00	1.169	0.06	0.652	0.763
	WCDMA V_Ant 1	RMC 12.2Kbps	Back	5mm	Brick	DSI 1	WLAN OFF	-	4182	836.4	SKU9	Battery1	24.32	25.00	1.169	0.03	0.756	0.884
33	WCDMA V_Ant 1	RMC 12.2Kbps	Back	5mm	Brick	DSI 1	WLAN OFF	-	4132	826.4	SKU9	Battery1	24.23	25.00	1.194	-0.01	0.954	1.139
	WCDMA V_Ant 1	RMC 12.2Kbps	Back	5mm	Brick	DSI 1	WLAN OFF	-	4233	846.6	SKU9	Battery1	24.32	25.00	1.169	-0.17	0.931	1.089
	WCDMA V_Ant 1	RMC 12.2Kbps	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	4182	836.4	SKU9	Battery1	24.32	25.00	1.169	0.02	0.098	0.115
	WCDMA V_Ant 1	RMC 12.2Kbps	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	4182	836.4	SKU9	Battery1	24.32	25.00	1.169	-0.11	0.164	0.192
	WCDMA V_Ant 1	RMC 12.2Kbps	Back	5mm	Brick	DSI 1	WLAN OFF	-	4132	826.4	SKU9	Battery2	24.23	25.00	1.194	-0.08	0.899	1.073
	WCDMA V_Ant 1	RMC 12.2Kbps	Back	5mm	Brick	DSI 1	WLAN OFF	-	4132	826.4	SKU9	Battery3	24.23	25.00	1.194	-0.13	0.892	1.065



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	WCDMA V_Ant 1	RMC 12.2Kbps	Back	5mm	Brick	DSI 1	WLAN OFF	-	4132	826.4	SKU9	Battery4	24.23	25.00	1.194	0.1	0.913	1.090
	WCDMA V_Ant 1	RMC 12.2Kbps	Back	5mm	Brick	DSI 1	WLAN ON	-	4132	826.4	SKU9	Battery1	22.42	23.00	1.143	0.02	0.430	0.491
	WCDMA V_Ant 1	RMC 12.2Kbps	Front	15mm	Gun	DSI 1	WLAN OFF	-	4182	836.4	SKU11	Battery1	24.32	25.00	1.169	-0.07	0.245	0.287
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	4182	836.4	SKU11	Battery1	24.32	25.00	1.169	-0.01	0.136	0.159
	WCDMA V_Ant 1	RMC 12.2Kbps	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	4182	836.4	SKU11	Battery1	24.32	25.00	1.169	-0.12	0.114	0.133
	WCDMA V_Ant 1	RMC 12.2Kbps	Front	15mm	Gun	DSI 1	WLAN OFF	-	4182	836.4	SKU3	Battery2	24.32	25.00	1.169	0.18	0.235	0.275
	WCDMA V_Ant 1	RMC 12.2Kbps	Front	15mm	Gun	DSI 1	WLAN OFF	-	4182	836.4	SKU6	Battery3	24.32	25.00	1.169	-0.01	0.198	0.232
	WCDMA V_Ant 1	RMC 12.2Kbps	Front	15mm	Gun	DSI 1	WLAN OFF	-	4182	836.4	SKU10	Battery4	24.32	25.00	1.169	0.13	0.239	0.280

<LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Brick/ Gun Type	Power State	WLAN ON/OFF	Holster	Ch.	Freq. (MHz)	SKU	Battery	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 7_Ant 5	20M	QPSK	1	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	21100	2535	SKU9	Battery1	25.50	25.70	1.047	0.09	0.346	0.362
	LTE Band 7_Ant 5	20M	QPSK	50	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	21100	2535	SKU9	Battery1	24.67	24.70	1.007	0.08	0.221	0.223
	LTE Band 7_Ant 5	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	21100	2535	SKU9	Battery1	25.50	25.70	1.047	0.16	0.803	0.841
34	LTE Band 7_Ant 5	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	20850	2510	SKU9	Battery1	25.34	25.70	1.086	-0.04	0.850	0.923
	LTE Band 7_Ant 5	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	21350	2560	SKU9	Battery1	25.38	25.70	1.076	0.01	0.666	0.717
	LTE Band 7_Ant 5	20M	QPSK	50	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	21100	2535	SKU9	Battery1	24.67	24.70	1.007	0.01	0.513	0.517
	LTE Band 7_Ant 5	20M	QPSK	100	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	21100	2535	SKU9	Battery1	24.54	24.70	1.038	0.12	0.500	0.519
	LTE Band 7_Ant 5	20M	QPSK	1	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	21100	2535	SKU9	Battery1	25.50	25.70	1.047	0.03	0.248	0.260
	LTE Band 7_Ant 5	20M	QPSK	50	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	21100	2535	SKU9	Battery1	24.67	24.70	1.007	-0.08	0.156	0.157
	LTE Band 7_Ant 5	20M	QPSK	1	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	21100	2535	SKU9	Battery1	25.50	25.70	1.047	0.11	0.472	0.494
	LTE Band 7_Ant 5	20M	QPSK	50	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	21100	2535	SKU9	Battery1	24.67	24.70	1.007	-0.08	0.333	0.335
	LTE Band 7_Ant 5	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	20850	2510	SKU9	Battery2	25.34	25.70	1.086	0.14	0.842	0.915
	LTE Band 7_Ant 5	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	20850	2510	SKU9	Battery3	25.34	25.70	1.086	-0.11	0.838	0.910
	LTE Band 7_Ant 5	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	20850	2510	SKU9	Battery4	25.34	25.70	1.086	0.08	0.840	0.913
	LTE Band 7C_Ant 5	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	21100+20902	2510	SKU9	Battery1	25.30	25.70	1.096	-0.06	0.823	0.902
	LTE Band 7_Ant 5	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN ON	-	20850	2510	SKU9	Battery1	23.46	23.80	1.081	-0.06	0.546	0.590
	LTE Band 7_Ant 5	20M	QPSK	1	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	21100	2535	SKU11	Battery1	25.50	25.70	1.047	0.06	0.143	0.150
	LTE Band 7_Ant 5	20M	QPSK	50	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	21100	2535	SKU11	Battery1	24.67	24.70	1.007	0.12	0.100	0.101
	LTE Band 7_Ant 5	20M	QPSK	1	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	21100	2535	SKU11	Battery1	25.50	25.70	1.047	0.09	0.347	0.363
	LTE Band 7_Ant 5	20M	QPSK	50	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	21100	2535	SKU11	Battery1	24.67	24.70	1.007	0.08	0.282	0.284
	LTE Band 7_Ant 5	20M	QPSK	1	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	21100	2535	SKU11	Battery1	25.50	25.70	1.047	0.04	0.056	0.059
	LTE Band 7_Ant 5	20M	QPSK	50	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	21100	2535	SKU11	Battery1	24.67	24.70	1.007	-0.17	0.040	0.040
	LTE Band 7_Ant 5	20M	QPSK	1	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	21100	2535	SKU3	Battery2	25.50	25.70	1.047	0.09	0.400	0.419
	LTE Band 7_Ant 5	20M	QPSK	1	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	21100	2535	SKU6	Battery3	25.50	25.70	1.047	-0.12	0.487	0.510
	LTE Band 7_Ant 5	20M	QPSK	1	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	21100	2535	SKU10	Battery4	25.50	25.70	1.047	-0.1	0.379	0.397
	LTE Band 12_Ant 1	10M	QPSK	1	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	23095	707.5	SKU9	Battery1	25.49	25.70	1.050	-0.05	0.225	0.236
	LTE Band 12_Ant 1	10M	QPSK	25	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	23095	707.5	SKU9	Battery1	24.61	24.70	1.021	0.08	0.183	0.187
35	LTE Band 12_Ant 1	10M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	23095	707.5	SKU9	Battery1	25.49	25.70	1.050	0.11	0.443	0.465
	LTE Band 12_Ant 1	10M	QPSK	25	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	23095	707.5	SKU9	Battery1	24.61	24.70	1.021	0.18	0.351	0.358
	LTE Band 12_Ant 1	10M	QPSK	1	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	23095	707.5	SKU9	Battery1	25.49	25.70	1.050	0.15	0.001	0.001
	LTE Band 12_Ant 1	10M	QPSK	25	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	23095	707.5	SKU9	Battery1	24.61	24.70	1.021	-0.17	0.001	0.001
	LTE Band 12_Ant 1	10M	QPSK	1	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	23095	707.5	SKU9	Battery1	25.49	25.70	1.050	0.17	0.090	0.094
	LTE Band 12_Ant 1	10M	QPSK	25	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	23095	707.5	SKU9	Battery1	24.61	24.70	1.021	0.16	0.073	0.075
	LTE Band 12_Ant 1	10M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	23095	707.5	SKU9	Battery2	25.49	25.70	1.050	0.18	0.440	0.462
	LTE Band 12_Ant 1	10M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	23095	707.5	SKU9	Battery3	25.49	25.70	1.050	0.17	0.438	0.460
	LTE Band 12_Ant 1	10M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	23095	707.5	SKU9	Battery4	25.49	25.70	1.050	0.14	0.434	0.456

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	LTE Band 12_Ant 1	10M	QPSK	1	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	23095	707.5	SKU11	Battery1	25.49	25.70	1.050	0.14	0.086	0.090
	LTE Band 12_Ant 1	10M	QPSK	25	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	23095	707.5	SKU11	Battery1	24.61	24.70	1.021	0.01	0.050	0.051
	LTE Band 12_Ant 1	10M	QPSK	1	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	23095	707.5	SKU11	Battery1	25.49	25.70	1.050	-0.09	0.033	0.035
	LTE Band 12_Ant 1	10M	QPSK	25	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	23095	707.5	SKU11	Battery1	24.61	24.70	1.021	0.1	0.027	0.028
	LTE Band 12_Ant 1	10M	QPSK	1	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	23095	707.5	SKU11	Battery1	25.49	25.70	1.050	-0.11	0.032	0.034
	LTE Band 12_Ant 1	10M	QPSK	25	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	23095	707.5	SKU11	Battery1	24.61	24.70	1.021	-0.17	0.026	0.027
	LTE Band 12_Ant 1	10M	QPSK	1	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	23095	707.5	SKU3	Battery2	25.49	25.70	1.050	-0.17	0.073	0.077
	LTE Band 12_Ant 1	10M	QPSK	1	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	23095	707.5	SKU6	Battery3	25.49	25.70	1.050	0.08	0.070	0.073
	LTE Band 12_Ant 1	10M	QPSK	1	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	23095	707.5	SKU10	Battery4	25.49	25.70	1.050	0.09	0.071	0.075
	LTE Band 13_Ant 1	10M	QPSK	1	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	23230	782	SKU9	Battery1	25.51	25.70	1.045	-0.1	0.523	0.546
	LTE Band 13_Ant 1	10M	QPSK	25	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	23230	782	SKU9	Battery1	24.36	24.70	1.081	-0.01	0.432	0.467
36	LTE Band 13_Ant 1	10M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	23230	782	SKU9	Battery1	25.51	25.70	1.045	0.04	0.745	0.778
	LTE Band 13_Ant 1	10M	QPSK	25	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	23230	782	SKU9	Battery1	24.36	24.70	1.081	-0.08	0.502	0.543
	LTE Band 13_Ant 1	10M	QPSK	1	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	23230	782	SKU9	Battery1	25.51	25.70	1.045	0.16	0.082	0.086
	LTE Band 13_Ant 1	10M	QPSK	25	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	23230	782	SKU9	Battery1	24.36	24.70	1.081	0.06	0.066	0.071
	LTE Band 13_Ant 1	10M	QPSK	1	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	23230	782	SKU9	Battery1	25.51	25.70	1.045	-0.11	0.172	0.180
	LTE Band 13_Ant 1	10M	QPSK	25	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	23230	782	SKU9	Battery1	24.36	24.70	1.081	-0.09	0.130	0.141
	LTE Band 13_Ant 1	10M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	23230	782	SKU9	Battery2	25.51	25.70	1.045	0.14	0.738	0.771
	LTE Band 13_Ant 1	10M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	23230	782	SKU9	Battery3	25.51	25.70	1.045	0.11	0.742	0.775
	LTE Band 13_Ant 1	10M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	23230	782	SKU9	Battery4	25.51	25.70	1.045	-0.05	0.739	0.772
	LTE Band 13_Ant 1	10M	QPSK	1	0	Back	5mm		DSI 1	WLAN ON	-	23230	782	SKU9	Battery1	24.87	24.90	1.007	0.08	0.531	0.535
	LTE Band 13_Ant 1	10M	QPSK	1	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	23230	782	SKU11	Battery1	25.51	25.70	1.045	-0.05	0.227	0.237
	LTE Band 13_Ant 1	10M	QPSK	25	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	23230	782	SKU11	Battery1	24.36	24.70	1.081	0.13	0.188	0.203
	LTE Band 13_Ant 1	10M	QPSK	1	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	23230	782	SKU11	Battery1	25.51	25.70	1.045	0.13	0.088	0.092
	LTE Band 13_Ant 1	10M	QPSK	25	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	23230	782	SKU11	Battery1	24.36	24.70	1.081	0.12	0.072	0.078
	LTE Band 13_Ant 1	10M	QPSK	1	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	23230	782	SKU11	Battery1	25.51	25.70	1.045	0.03	0.079	0.083
	LTE Band 13_Ant 1	10M	QPSK	25	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	23230	782	SKU11	Battery1	24.36	24.70	1.081	0.03	0.065	0.070
	LTE Band 13_Ant 1	10M	QPSK	1	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	23230	782	SKU3	Battery2	25.51	25.70	1.045	-0.02	0.141	0.147
	LTE Band 13_Ant 1	10M	QPSK	1	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	23230	782	SKU6	Battery3	25.51	25.70	1.045	0.18	0.132	0.138
	LTE Band 13_Ant 1	10M	QPSK	1	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	23230	782	SKU10	Battery4	25.51	25.70	1.045	0.01	0.124	0.130
	LTE Band 14_Ant 1	10M	QPSK	1	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	23330	793	SKU9	Battery1	25.61	25.70	1.021	-0.11	0.531	0.542
	LTE Band 14_Ant 1	10M	QPSK	25	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	23330	793	SKU9	Battery1	24.40	24.70	1.072	0.16	0.400	0.429
37	LTE Band 14_Ant 1	10M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	23330	793	SKU9	Battery1	25.61	25.70	1.021	-0.03	0.781	0.797
	LTE Band 14_Ant 1	10M	QPSK	25	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	23330	793	SKU9	Battery1	24.40	24.70	1.072	-0.1	0.518	0.555
	LTE Band 14_Ant 1	10M	QPSK	1	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	23330	793	SKU9	Battery1	25.61	25.70	1.021	0.16	0.075	0.077
	LTE Band 14_Ant 1	10M	QPSK	25	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	23330	793	SKU9	Battery1	24.40	24.70	1.072	0.18	0.061	0.065
	LTE Band 14_Ant 1	10M	QPSK	1	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	23330	793	SKU9	Battery1	25.61	25.70	1.021	-0.13	0.149	0.152
	LTE Band 14_Ant 1	10M	QPSK	25	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	23330	793	SKU9	Battery1	24.40	24.70	1.072	-0.1	0.120	0.129
	LTE Band 14_Ant 1	10M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	23330	793	SKU9	Battery2	25.61	25.70	1.021	0.14	0.768	0.784
	LTE Band 14_Ant 1	10M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	23330	793	SKU9	Battery3	25.61	25.70	1.021	-0.17	0.775	0.791
	LTE Band 14_Ant 1	10M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	23330	793	SKU9	Battery4	25.61	25.70	1.021	0.17	0.778	0.794
	LTE Band 14_Ant 1	10M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN ON	-	23330	793	SKU9	Battery1	24.65	24.90	1.059	0.01	0.561	0.594
	LTE Band 14_Ant 1	10M	QPSK	1	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	23330	793	SKU11	Battery1	25.61	25.70	1.021	-0.08	0.246	0.251
	LTE Band 14_Ant 1	10M	QPSK	25	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	23330	793	SKU11	Battery1	24.40	24.70	1.072	-0.15	0.191	0.205
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	23330	793	SKU11	Battery1	25.61	25.70	1.021	0.19	0.091	0.093
	LTE Band 14_Ant 1	10M	QPSK	25	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	23330	793	SKU11	Battery1	24.40	24.70	1.072	0.05	0.070	0.075
	LTE Band 14_Ant 1	10M	QPSK	1	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	23330	793	SKU11	Battery1	25.61	25.70	1.021	0.03	0.083	0.085
	LTE Band 14_Ant 1	10M	QPSK	25	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	23330	793	SKU11	Battery1	24.40	24.70	1.072	0.07	0.064	0.069



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	LTE Band 14_Ant 1	10M	QPSK	1	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	23330	793	SKU3	Battery2	25.61	25.70	1.021	-0.19	0.209	0.213
	LTE Band 14_Ant 1	10M	QPSK	1	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	23330	793	SKU6	Battery3	25.61	25.70	1.021	-0.18	0.191	0.195
	LTE Band 14_Ant 1	10M	QPSK	1	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	23330	793	SKU10	Battery4	25.61	25.70	1.021	-0.05	0.174	0.178
	LTE Band 25_Ant 1	20M	QPSK	1	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	26340	1880	SKU9	Battery1	24.55	24.70	1.035	0.02	0.120	0.124
	LTE Band 25_Ant 1	20M	QPSK	50	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	26340	1880	SKU9	Battery1	23.66	23.70	1.009	-0.15	0.098	0.099
38	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	26340	1880	SKU9	Battery1	24.55	24.70	1.035	0.06	0.981	1.015
	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	26140	1860	SKU9	Battery1	24.52	24.70	1.042	-0.09	0.935	0.975
	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	26590	1905	SKU9	Battery1	24.49	24.70	1.050	-0.15	0.942	0.989
	LTE Band 25_Ant 1	20M	QPSK	50	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	26340	1880	SKU9	Battery1	23.66	23.70	1.009	-0.12	0.820	0.828
	LTE Band 25_Ant 1	20M	QPSK	50	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	26140	1860	SKU9	Battery1	23.57	23.70	1.030	0.11	0.825	0.850
	LTE Band 25_Ant 1	20M	QPSK	50	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	26590	1905	SKU9	Battery1	23.51	23.70	1.045	-0.08	0.833	0.870
	LTE Band 25_Ant 1	20M	QPSK	100	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	26340	1880	SKU9	Battery1	23.62	23.70	1.019	-0.15	0.800	0.815
	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	26340	1880	SKU9	Battery1	24.55	24.70	1.035	0.03	0.239	0.247
	LTE Band 25_Ant 1	20M	QPSK	50	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	26340	1880	SKU9	Battery1	23.66	23.70	1.009	-0.08	0.188	0.190
	LTE Band 25_Ant 1	20M	QPSK	1	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	26340	1880	SKU9	Battery1	24.55	24.70	1.035	-0.17	0.028	0.029
	LTE Band 25_Ant 1	20M	QPSK	50	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	26340	1880	SKU9	Battery1	23.66	23.70	1.009	0.03	0.015	0.015
	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	26340	1880	SKU9	Battery2	24.55	24.70	1.035	0.01	0.978	1.012
	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	26340	1880	SKU9	Battery3	24.55	24.70	1.035	0.1	0.968	1.002
	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	26340	1880	SKU9	Battery4	24.55	24.70	1.035	-0.17	0.972	1.006
	LTE Band 2C_Ant 1	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	18700+18898	1860	SKU9	Battery1	24.42	24.70	1.067	0.01	0.922	0.983
	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN ON	-	26340	1880	SKU9	Battery1	21.95	22.00	1.012	0.03	0.593	0.600
	LTE Band 25_Ant 1	20M	QPSK	1	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	26340	1880	SKU11	Battery1	24.55	24.70	1.035	-0.04	0.084	0.087
	LTE Band 25_Ant 1	20M	QPSK	50	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	26340	1880	SKU11	Battery1	23.66	23.70	1.009	-0.08	0.068	0.069
	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	26340	1880	SKU11	Battery1	24.55	24.70	1.035	0.13	0.460	0.476
	LTE Band 25_Ant 1	20M	QPSK	50	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	26340	1880	SKU11	Battery1	23.66	23.70	1.009	0.17	0.373	0.376
	LTE Band 25_Ant 1	20M	QPSK	1	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	26340	1880	SKU11	Battery1	24.55	24.70	1.035	-0.18	0.054	0.056
	LTE Band 25_Ant 1	20M	QPSK	50	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	26340	1880	SKU11	Battery1	23.66	23.70	1.009	0.18	0.044	0.044
	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	26340	1880	SKU3	Battery2	24.55	24.70	1.035	-0.1	0.346	0.358
	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	26340	1880	SKU6	Battery3	24.55	24.70	1.035	-0.09	0.445	0.461
	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	26340	1880	SKU10	Battery4	24.55	24.70	1.035	0	0.387	0.401
	LTE Band 26_Ant 1	15M	QPSK	1	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	26865	831.5	SKU9	Battery1	25.56	25.70	1.033	0.05	0.665	0.687
	LTE Band 26_Ant 1	15M	QPSK	36	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	26865	831.5	SKU9	Battery1	24.65	24.70	1.012	-0.13	0.543	0.549
39	LTE Band 26_Ant 1	15M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	26865	831.5	SKU9	Battery1	25.56	25.70	1.033	0.01	0.866	0.894
	LTE Band 26_Ant 1	15M	QPSK	36	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	26865	831.5	SKU9	Battery1	24.65	24.70	1.012	0.06	0.707	0.715
	LTE Band 26_Ant 1	15M	QPSK	75	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	26865	831.5	SKU9	Battery1	24.62	24.70	1.019	0.12	0.718	0.731
	LTE Band 26_Ant 1	15M	QPSK	1	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	26865	831.5	SKU9	Battery1	25.56	25.70	1.033	-0.08	0.120	0.124
	LTE Band 26_Ant 1	15M	QPSK	36	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	26865	831.5	SKU9	Battery1	24.65	24.70	1.012	-0.03	0.098	0.099
	LTE Band 26_Ant 1	15M	QPSK	1	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	26865	831.5	SKU9	Battery1	25.56	25.70	1.033	-0.01	0.164	0.169
	LTE Band 26_Ant 1	15M	QPSK	36	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	26865	831.5	SKU9	Battery1	24.65	24.70	1.012	0.08	0.133	0.135
	LTE Band 26_Ant 1	15M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	26865	831.5	SKU9	Battery2	25.56	25.70	1.033	-0.08	0.858	0.886
	LTE Band 26_Ant 1	15M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	26865	831.5	SKU9	Battery3	25.56	25.70	1.033	0.05	0.864	0.892
	LTE Band 26_Ant 1	15M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	26865	831.5	SKU9	Battery4	25.56	25.70	1.033	0.06	0.862	0.890
	LTE Band 5B_Ant 1	10M	QPSK	1	49	Back	5mm	Brick	DSI 1	WLAN OFF	-	20475+20574	831.5	SKU9	Battery1	25.52	25.70	1.042	0.08	0.740	0.771
	LTE Band 26_Ant 1	15M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN ON	-	26865	831.5	SKU9	Battery1	22.95	23.50	1.135	0.01	0.481	0.546
	LTE Band 26_Ant 1	15M	QPSK	1	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	26865	831.5	SKU11	Battery1	25.56	25.70	1.033	0.08	0.307	0.317
	LTE Band 26_Ant 1	15M	QPSK	36	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	26865	831.5	SKU11	Battery1	24.65	24.70	1.012	0.05	0.251	0.254
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	26865	831.5	SKU11	Battery1	25.56	25.70	1.033	-0.01	0.121	0.125
	LTE Band 26_Ant 1	15M	QPSK	36	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	26865	831.5	SKU11	Battery1	24.65	24.70	1.012	-0.11	0.099	0.100
	LTE Band 26_Ant 1	15M	QPSK	1	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	26865	831.5	SKU11	Battery1	25.56	25.70	1.033	-0.05	0.132	0.136



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	LTE Band 26_Ant 1	15M	QPSK	36	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	26865	831.5	SKU11	Battery1	24.65	24.70	1.012	-0.12	0.108	0.109
	LTE Band 26_Ant 1	15M	QPSK	1	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	26865	831.5	SKU3	Battery2	25.56	25.70	1.033	-0.18	0.210	0.217
	LTE Band 26_Ant 1	15M	QPSK	1	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	26865	831.5	SKU6	Battery3	25.56	25.70	1.033	0.03	0.215	0.222
	LTE Band 26_Ant 1	15M	QPSK	1	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	26865	831.5	SKU10	Battery4	25.56	25.70	1.033	0.08	0.250	0.258
	LTE Band 30_Ant 5	10M	QPSK	1	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	27710	2310	SKU9	Battery1	25.49	25.70	1.050	-0.03	0.407	0.427
	LTE Band 30_Ant 5	10M	QPSK	25	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	27710	2310	SKU9	Battery1	24.52	24.70	1.042	-0.15	0.338	0.352
40	LTE Band 30_Ant 5	10M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	27710	2310	SKU9	Battery1	25.49	25.70	1.050	-0.11	0.968	1.016
	LTE Band 30_Ant 5	10M	QPSK	25	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	27710	2310	SKU9	Battery1	24.52	24.70	1.042	0.02	0.801	0.835
	LTE Band 30_Ant 5	10M	QPSK	50	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	27710	2310	SKU9	Battery1	24.45	24.70	1.059	0.07	0.825	0.874
	LTE Band 30_Ant 5	10M	QPSK	1	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	27710	2310	SKU9	Battery1	25.49	25.70	1.050	0.02	0.262	0.275
	LTE Band 30_Ant 5	10M	QPSK	25	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	27710	2310	SKU9	Battery1	24.52	24.70	1.042	0.16	0.217	0.226
	LTE Band 30_Ant 5	10M	QPSK	1	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	27710	2310	SKU9	Battery1	25.49	25.70	1.050	-0.17	0.524	0.550
	LTE Band 30_Ant 5	10M	QPSK	25	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	27710	2310	SKU9	Battery1	24.52	24.70	1.042	0.13	0.408	0.425
	LTE Band 30_Ant 5	10M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	27710	2310	SKU9	Battery2	25.49	25.70	1.050	-0.1	0.954	1.001
	LTE Band 30_Ant 5	10M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	27710	2310	SKU9	Battery3	25.49	25.70	1.050	0.01	0.958	1.005
	LTE Band 30_Ant 5	10M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	27710	2310	SKU9	Battery4	25.49	25.70	1.050	-0.15	0.940	0.987
	LTE Band 30_Ant 5	10M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN ON	-	27710	2310	SKU9	Battery1	22.89	23.10	1.050	-0.09	0.566	0.594
	LTE Band 30_Ant 5	10M	QPSK	1	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	27710	2310	SKU11	Battery1	25.49	25.70	1.050	-0.11	0.293	0.308
	LTE Band 30_Ant 5	10M	QPSK	25	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	27710	2310	SKU11	Battery1	24.52	24.70	1.042	0.02	0.241	0.251
	LTE Band 30_Ant 5	10M	QPSK	1	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	27710	2310	SKU11	Battery1	25.49	25.70	1.050	0.12	0.532	0.558
	LTE Band 30_Ant 5	10M	QPSK	25	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	27710	2310	SKU11	Battery1	24.52	24.70	1.042	0.16	0.438	0.457
	LTE Band 30_Ant 5	10M	QPSK	1	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	27710	2310	SKU11	Battery1	25.49	25.70	1.050	0.11	0.119	0.125
	LTE Band 30_Ant 5	10M	QPSK	25	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	27710	2310	SKU11	Battery1	24.52	24.70	1.042	-0.08	0.098	0.102
	LTE Band 30_Ant 5	10M	QPSK	1	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	27710	2310	SKU3	Battery2	25.49	25.70	1.050	-0.03	0.564	0.592
	LTE Band 30_Ant 5	10M	QPSK	1	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	27710	2310	SKU6	Battery3	25.49	25.70	1.050	0.06	0.534	0.560
	LTE Band 30_Ant 5	10M	QPSK	1	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	27710	2310	SKU10	Battery4	25.49	25.70	1.050	-0.05	0.501	0.526
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	132072	1720	SKU9	Battery1	22.40	22.60	1.047	0.07	0.099	0.104
	LTE Band 66_Ant 1	20M	QPSK	50	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	132072	1720	SKU9	Battery1	21.41	21.60	1.045	0	0.082	0.086
41	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	132072	1720	SKU9	Battery1	22.40	22.60	1.047	0.03	0.993	1.040
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	132322	1745	SKU9	Battery1	22.31	22.60	1.069	0.13	0.939	1.004
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	132572	1770	SKU9	Battery1	22.15	22.60	1.109	0.05	0.771	0.855
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	132072	1720	SKU9	Battery1	21.41	21.60	1.045	0.01	0.822	0.859
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	132322	1745	SKU9	Battery1	21.30	21.60	1.072	-0.09	0.742	0.795
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	132572	1770	SKU9	Battery1	21.25	21.60	1.084	-0.17	0.675	0.732
	LTE Band 66_Ant 1	20M	QPSK	100	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	132072	1720	SKU9	Battery1	21.38	21.60	1.052	-0.13	0.820	0.863
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	132072	1720	SKU9	Battery1	22.40	22.60	1.047	0.14	0.103	0.108
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	132072	1720	SKU9	Battery1	21.41	21.60	1.045	-0.06	0.085	0.089
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	132072	1720	SKU9	Battery1	22.40	22.60	1.047	0.1	0.024	0.025
	LTE Band 66_Ant 1	20M	QPSK	50	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	132072	1720	SKU9	Battery1	21.41	21.60	1.045	-0.04	0.020	0.021
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	132072	1720	SKU9	Battery2	22.40	22.60	1.047	0.01	0.990	1.037
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	132072	1720	SKU9	Battery3	22.40	22.60	1.047	-0.09	0.978	1.024
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	132072	1720	SKU9	Battery4	22.40	22.60	1.047	-0.17	0.984	1.030
	LTE Band 66B_Ant 1	15M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	132072+132140	1720	SKU9	Battery1	22.36	22.60	1.057	0.12	0.942	0.996
	LTE Band 66C_Ant 1	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	132072+132270	1720	SKU9	Battery1	22.36	22.60	1.057	-0.11	0.931	0.984
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN ON	-	132072	1720	SKU9	Battery1	20.53	20.60	1.016	0.04	0.562	0.571
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	132072	1720	SKU11	Battery1	22.40	22.60	1.047	-0.17	0.111	0.116
	LTE Band 66_Ant 1	20M	QPSK	50	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	132072	1720	SKU11	Battery1	21.41	21.60	1.045	0.18	0.092	0.096
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	132072	1720	SKU11	Battery1	22.40	22.60	1.047	0.1	0.486	0.509



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	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	132072	1720	SKU11	Battery1	21.41	21.60	1.045	-0.17	0.401	0.419
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	132072	1720	SKU11	Battery1	22.40	22.60	1.047	0.16	0.078	0.082
	LTE Band 66_Ant 1	20M	QPSK	50	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	132072	1720	SKU11	Battery1	21.41	21.60	1.045	-0.04	0.064	0.067
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	132072	1720	SKU3	Battery2	22.40	22.60	1.047	-0.05	0.528	0.553
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	132072	1720	SKU6	Battery3	22.40	22.60	1.047	0.18	0.519	0.543
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	132072	1720	SKU10	Battery4	22.40	22.60	1.047	0.15	0.533	0.558
	LTE Band 71_Ant 1	20M	QPSK	1	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	133297	680.5	SKU9	Battery1	24.92	25.00	1.019	0.02	0.184	0.187
	LTE Band 71_Ant 1	20M	QPSK	50	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	133297	680.5	SKU9	Battery1	23.91	24.00	1.021	0	0.150	0.153
42	LTE Band 71_Ant 1	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	133297	680.5	SKU9	Battery1	24.92	25.00	1.019	0.1	0.242	0.246
	LTE Band 71_Ant 1	20M	QPSK	50	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	133297	680.5	SKU9	Battery1	23.91	24.00	1.021	-0.13	0.190	0.194
	LTE Band 71_Ant 1	20M	QPSK	1	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	133297	680.5	SKU9	Battery1	24.92	25.00	1.019	0.16	0.046	0.047
	LTE Band 71_Ant 1	20M	QPSK	50	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	133297	680.5	SKU9	Battery1	23.91	24.00	1.021	-0.09	0.045	0.046
	LTE Band 71_Ant 1	20M	QPSK	1	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	133297	680.5	SKU9	Battery1	24.92	25.00	1.019	-0.04	0.084	0.086
	LTE Band 71_Ant 1	20M	QPSK	50	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	133297	680.5	SKU9	Battery1	23.91	24.00	1.021	0.05	0.065	0.066
	LTE Band 71_Ant 1	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	133297	680.5	SKU9	Battery2	24.92	25.00	1.019	-0.18	0.231	0.235
	LTE Band 71_Ant 1	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	133297	680.5	SKU9	Battery3	24.92	25.00	1.019	0.03	0.238	0.242
	LTE Band 71_Ant 1	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	133297	680.5	SKU9	Battery4	24.92	25.00	1.019	-0.15	0.234	0.238
	LTE Band 71_Ant 1	20M	QPSK	1	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	133297	680.5	SKU11	Battery1	24.92	25.00	1.019	-0.15	0.095	0.097
	LTE Band 71_Ant 1	20M	QPSK	50	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	133297	680.5	SKU11	Battery1	23.91	24.00	1.021	-0.13	0.076	0.078
	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	133297	680.5	SKU11	Battery1	24.92	25.00	1.019	0.17	0.058	0.059
	LTE Band 71_Ant 1	20M	QPSK	50	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	133297	680.5	SKU11	Battery1	23.91	24.00	1.021	0.17	0.046	0.047
	LTE Band 71_Ant 1	20M	QPSK	1	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	133297	680.5	SKU11	Battery1	24.92	25.00	1.019	0.16	0.046	0.047
	LTE Band 71_Ant 1	20M	QPSK	50	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	133297	680.5	SKU11	Battery1	23.91	24.00	1.021	0.06	0.037	0.038
	LTE Band 71_Ant 1	20M	QPSK	1	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	133297	680.5	SKU3	Battery2	24.92	25.00	1.019	0.11	0.070	0.071
	LTE Band 71_Ant 1	20M	QPSK	1	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	133297	680.5	SKU6	Battery3	24.92	25.00	1.019	-0.06	0.077	0.078
	LTE Band 71_Ant 1	20M	QPSK	1	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	133297	680.5	SKU10	Battery4	24.92	25.00	1.019	-0.01	0.069	0.070

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Brick/ Gun Type	Power State	WLAN ON/OFF	Holster	Ch.	Freq. (MHz)	SKU	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)
	LTE Band 41_Ant 5	20M	QPSK	1	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	40620	2593	SKU9	Battery1	24.98	25.00	1.005	62.9	1.006	0	0.272	0.275
	LTE Band 41_Ant 5	20M	QPSK	50	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	40620	2593	SKU9	Battery1	23.54	24.00	1.112	62.9	1.006	-0.04	0.217	0.243
43	LTE Band 41_Ant 5	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	40620	2593	SKU9	Battery1	24.98	25.00	1.005	62.9	1.006	-0.05	0.277	0.280
	LTE Band 41_Ant 5	20M	QPSK	50	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	40620	2593	SKU9	Battery1	23.54	24.00	1.112	62.9	1.006	-0.15	0.221	0.247
	LTE Band 41_Ant 5	20M	QPSK	1	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	40620	2593	SKU9	Battery1	24.98	25.00	1.005	62.9	1.006	-0.12	0.130	0.131
	LTE Band 41_Ant 5	20M	QPSK	50	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	40620	2593	SKU9	Battery1	23.54	24.00	1.112	62.9	1.006	-0.02	0.104	0.116
	LTE Band 41_Ant 5	20M	QPSK	1	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	40620	2593	SKU9	Battery1	24.98	25.00	1.005	62.9	1.006	0.02	0.124	0.125
	LTE Band 41_Ant 5	20M	QPSK	50	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	40620	2593	SKU9	Battery1	23.54	24.00	1.112	62.9	1.006	0.1	0.099	0.111
	LTE Band 41_Ant 5	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	40620	2593	SKU9	Battery2	24.98	25.00	1.005	62.9	1.006	-0.15	0.264	0.267
	LTE Band 41_Ant 5	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	40620	2593	SKU9	Battery3	24.98	25.00	1.005	62.9	1.006	0.11	0.269	0.272
	LTE Band 41_Ant 5	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	40620	2593	SKU9	Battery4	24.98	25.00	1.005	62.9	1.006	-0.08	0.271	0.274
	LTE Band 41C_Ant 5	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	40620+40422	2593	SKU9	Battery1	24.58	25.00	1.102	62.9	1.006	-0.13	0.245	0.271
	LTE Band 41D_Ant 5	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	40620+40422	2593	SKU9	Battery1	24.46	25.00	1.132	62.9	1.006	0.04	0.210	0.239
	LTE Band 41_Ant 5	20M	QPSK	1	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	40620	2593	SKU11	Battery1	24.98	25.00	1.005	62.9	1.006	-0.02	0.086	0.087
	LTE Band 41_Ant 5	20M	QPSK	50	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	40620	2593	SKU11	Battery1	23.54	24.00	1.112	62.9	1.006	0.13	0.083	0.093
	LTE Band 41_Ant 5	20M	QPSK	1	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	40620	2593	SKU11	Battery1	24.98	25.00	1.005	62.9	1.006	0.04	0.245	0.248
	LTE Band 41_Ant 5	20M	QPSK	50	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	40620	2593	SKU11	Battery1	23.54	24.00	1.112	62.9	1.006	-0.18	0.234	0.262
	LTE Band 41_Ant 5	20M	QPSK	1	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	40620	2593	SKU11	Battery1	24.98	25.00	1.005	62.9	1.006	0.13	0.042	0.042
	LTE Band 41_Ant 5	20M	QPSK	50	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	40620	2593	SKU11	Battery1	23.54	24.00	1.112	62.9	1.006	-0.11	0.040	0.045
	LTE Band 41_Ant 5	20M	QPSK	50	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	40620	2593	SKU3	Battery2	23.54	24.00	1.112	62.9	1.006	0.17	0.176	0.197



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	LTE Band 41_Ant 5	20M	QPSK	50	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	40620	2593	SKU6	Battery3	23.54	24.00	1.112	62.9	1.006	-0.01	0.170	0.190
	LTE Band 41_Ant 5	20M	QPSK	50	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	40620	2593	SKU10	Battery4	23.54	24.00	1.112	62.9	1.006	0.1	0.158	0.177
	LTE Band 48_Ant 8	20M	QPSK	1	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	56640	3690	SKU9	Battery1	24.25	24.30	1.012	62.9	1.006	-0.11	0.529	0.538
	LTE Band 48_Ant 8	20M	QPSK	50	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	56640	3690	SKU9	Battery1	23.16	23.30	1.033	62.9	1.006	-0.15	0.423	0.439
	LTE Band 48_Ant 8	20M	QPSK	1	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	56640	3690	SKU9	Battery1	24.25	24.30	1.012	62.9	1.006	-0.07	0.501	0.510
	LTE Band 48_Ant 8	20M	QPSK	50	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	56640	3690	SKU9	Battery1	23.16	23.30	1.033	62.9	1.006	-0.06	0.402	0.418
	LTE Band 48_Ant 8	20M	QPSK	1	0	Front	0mm	Brick	DSI 1	WLAN OFF	Soft holster	56640	3690	SKU9	Battery1	24.25	24.30	1.012	62.9	1.006	0.03	0.330	0.336
	LTE Band 48_Ant 8	20M	QPSK	50	0	Front	0mm	Brick	DSI 1	WLAN OFF	Soft holster	56640	3690	SKU9	Battery1	23.16	23.30	1.033	62.9	1.006	-0.14	0.264	0.274
	LTE Band 48_Ant 8	20M	QPSK	1	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	56640	3690	SKU9	Battery1	24.25	24.30	1.012	62.9	1.006	-0.07	0.518	0.527
	LTE Band 48_Ant 8	20M	QPSK	50	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	56640	3690	SKU9	Battery1	23.16	23.30	1.033	62.9	1.006	0.01	0.414	0.430
	LTE Band 48_Ant 8	20M	QPSK	1	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	56640	3690	SKU9	Battery2	24.25	24.30	1.012	62.9	1.006	0.14	0.517	0.526
	LTE Band 48_Ant 8	20M	QPSK	1	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	56640	3690	SKU9	Battery3	24.25	24.30	1.012	62.9	1.006	0.06	0.515	0.524
	LTE Band 48_Ant 8	20M	QPSK	1	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	56640	3690	SKU9	Battery4	24.25	24.30	1.012	62.9	1.006	-0.09	0.509	0.518
	LTE Band 48_Ant 8	20M	QPSK	1	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	56640	3690	SKU11	Battery1	24.25	24.30	1.012	62.9	1.006	0.14	0.365	0.371
	LTE Band 48_Ant 8	20M	QPSK	50	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	56640	3690	SKU11	Battery1	23.16	23.30	1.033	62.9	1.006	-0.12	0.291	0.302
44	LTE Band 48_Ant 8	20M	QPSK	1	0	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	56640	3690	SKU11	Battery1	24.25	24.30	1.012	62.9	1.006	-0.08	0.609	0.620
	LTE Band 48_Ant 8	20M	QPSK	1	0	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	55340	3560	SKU11	Battery1	24.20	24.30	1.023	62.9	1.006	-0.07	0.600	0.618
	LTE Band 48_Ant 8	20M	QPSK	1	0	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	55830	3609	SKU11	Battery1	24.23	24.30	1.016	62.9	1.006	-0.04	0.598	0.611
	LTE Band 48_Ant 8	20M	QPSK	1	0	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	56150	3641	SKU11	Battery1	24.23	24.30	1.016	62.9	1.006	0.17	0.574	0.587
	LTE Band 48_Ant 8	20M	QPSK	50	0	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	56640	3690	SKU11	Battery1	23.16	23.30	1.033	62.9	1.006	0.07	0.486	0.505
	LTE Band 48_Ant 8	20M	QPSK	1	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	56640	3690	SKU11	Battery1	24.25	24.30	1.012	62.9	1.006	-0.12	0.168	0.171
	LTE Band 48_Ant 8	20M	QPSK	50	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	56640	3690	SKU11	Battery1	23.16	23.30	1.033	62.9	1.006	-0.02	0.134	0.139
	LTE Band 48_Ant 8	20M	QPSK	1	0	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	56640	3690	SKU3	Battery2	24.25	24.30	1.012	62.9	1.006	-0.1	0.580	0.590
	LTE Band 48_Ant 8	20M	QPSK	1	0	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	56640	3690	SKU6	Battery3	24.25	24.30	1.012	62.9	1.006	0.05	0.589	0.599
	LTE Band 48_Ant 8	20M	QPSK	1	0	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	56640	3690	SKU10	Battery4	24.25	24.30	1.012	62.9	1.006	-0.1	0.582	0.592
	LTE Band 48C_Ant 8	20M	QPSK	1	0	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	56640+56642	3690	SKU11	Battery1	24.22	24.30	1.019	62.9	1.006	-0.01	0.578	0.592



FCC SAR TEST REPORT

Report No. : FA4O2228B

<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Brick/Gun Type	Power State	WLAN ON/OFF	Holster	Ch.	Freq. (MHz)	SKU	Battery	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n7_Ant 5	40M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	507000	2535	SKU9	Battery1	25.17	25.70	1.130	0.16	0.684	0.773
	FR1 n7_Ant 5	40M	BPSK	108	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	507000	2535	SKU9	Battery1	25.16	25.20	1.009	-0.13	0.682	0.688
45	FR1 n7_Ant 5	40M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	507000	2535	SKU9	Battery1	25.17	25.70	1.130	-0.06	0.971	1.097
	FR1 n7_Ant 5	40M	BPSK	108	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	507000	2535	SKU9	Battery1	25.16	25.20	1.009	0.08	0.969	0.978
	FR1 n7_Ant 5	40M	BPSK	216	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	507000	2535	SKU9	Battery1	25.13	25.20	1.016	0.01	0.958	0.974
	FR1 n7_Ant 5	40M	BPSK	1	1	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	507000	2535	SKU9	Battery1	25.17	25.70	1.130	-0.19	0.291	0.329
	FR1 n7_Ant 5	40M	BPSK	108	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	507000	2535	SKU9	Battery1	25.16	25.20	1.009	0.01	0.290	0.293
	FR1 n7_Ant 5	40M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	507000	2535	SKU9	Battery1	25.17	25.70	1.130	-0.04	0.594	0.671
	FR1 n7_Ant 5	40M	BPSK	108	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	507000	2535	SKU9	Battery1	25.16	25.20	1.009	-0.16	0.590	0.595
	FR1 n7_Ant 5	40M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	507000	2535	SKU9	Battery2	25.17	25.70	1.130	0.18	0.964	1.089
	FR1 n7_Ant 5	40M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	507000	2535	SKU9	Battery3	25.17	25.70	1.130	-0.04	0.966	1.091
	FR1 n7_Ant 5	40M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	507000	2535	SKU9	Battery4	25.17	25.70	1.130	-0.08	0.970	1.096
	FR1 n7_Ant 5	40M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN ON	-	507000	2535	SKU9	Battery1	22.25	22.50	1.059	-0.01	0.558	0.591
	FR1 n7_Ant 5	40M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	507000	2535	SKU11	Battery1	25.17	25.70	1.130	-0.01	0.157	0.177
	FR1 n7_Ant 5	40M	BPSK	108	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	507000	2535	SKU11	Battery1	25.16	25.20	1.009	-0.04	0.154	0.155
	FR1 n7_Ant 5	40M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	507000	2535	SKU11	Battery1	25.17	25.70	1.130	-0.15	0.355	0.401
	FR1 n7_Ant 5	40M	BPSK	108	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	507000	2535	SKU11	Battery1	25.16	25.20	1.009	-0.01	0.350	0.353
	FR1 n7_Ant 5	40M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	507000	2535	SKU11	Battery1	25.17	25.70	1.130	-0.16	0.048	0.054
	FR1 n7_Ant 5	40M	BPSK	108	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	507000	2535	SKU11	Battery1	25.16	25.20	1.009	0	0.045	0.045
	FR1 n7_Ant 5	40M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	507000	2535	SKU3	Battery2	25.17	25.70	1.130	0.14	0.421	0.476
	FR1 n7_Ant 5	40M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	507000	2535	SKU6	Battery3	25.17	25.70	1.130	0	0.432	0.488
	FR1 n7_Ant 5	40M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	507000	2535	SKU10	Battery4	25.17	25.70	1.130	-0.11	0.453	0.512
	FR1 n12_Ant 1	15M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	141500	707.5	SKU9	Battery1	25.07	25.70	1.156	-0.12	0.229	0.265
	FR1 n12_Ant 1	15M	BPSK	36	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	141500	707.5	SKU9	Battery1	24.90	25.20	1.072	-0.06	0.225	0.241
46	FR1 n12_Ant 1	15M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	141500	707.5	SKU9	Battery1	25.07	25.70	1.156	-0.07	0.390	0.451
	FR1 n12_Ant 1	15M	BPSK	36	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	141500	707.5	SKU9	Battery1	24.90	25.20	1.072	-0.15	0.384	0.411
	FR1 n12_Ant 1	15M	BPSK	1	1	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	141500	707.5	SKU9	Battery1	25.07	25.70	1.156	-0.11	0.001	0.001
	FR1 n12_Ant 1	15M	BPSK	36	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	141500	707.5	SKU9	Battery1	24.90	25.20	1.072	-0.13	0.001	0.001
	FR1 n12_Ant 1	15M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	141500	707.5	SKU9	Battery1	25.07	25.70	1.156	0.09	0.072	0.083
	FR1 n12_Ant 1	15M	BPSK	36	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	141500	707.5	SKU9	Battery1	24.90	25.20	1.072	0.16	0.068	0.073
	FR1 n12_Ant 1	15M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	141500	707.5	SKU9	Battery2	25.07	25.70	1.156	-0.13	0.375	0.434
	FR1 n12_Ant 1	15M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	141500	707.5	SKU9	Battery3	25.07	25.70	1.156	-0.12	0.379	0.438
	FR1 n12_Ant 1	15M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	141500	707.5	SKU9	Battery4	25.07	25.70	1.156	0.06	0.384	0.444
	FR1 n12_Ant 1	15M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	141500	707.5	SKU11	Battery1	25.07	25.70	1.156	0.16	0.081	0.094
	FR1 n12_Ant 1	15M	BPSK	36	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	141500	707.5	SKU11	Battery1	24.90	25.20	1.072	-0.15	0.080	0.086
	FR1 n12_Ant 1	15M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	141500	707.5	SKU11	Battery1	25.07	25.70	1.156	0.19	0.081	0.094
	FR1 n12_Ant 1	15M	BPSK	36	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	141500	707.5	SKU11	Battery1	24.90	25.20	1.072	-0.02	0.074	0.079
	FR1 n12_Ant 1	15M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	141500	707.5	SKU11	Battery1	25.07	25.70	1.156	0.11	0.080	0.092
	FR1 n12_Ant 1	15M	BPSK	36	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	141500	707.5	SKU11	Battery1	24.90	25.20	1.072	-0.09	0.078	0.084
	FR1 n12_Ant 1	15M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	141500	707.5	SKU3	Battery2	25.07	25.70	1.156	0.14	0.083	0.096
	FR1 n12_Ant 1	15M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	141500	707.5	SKU6	Battery3	25.07	25.70	1.156	0.19	0.079	0.091
	FR1 n12_Ant 1	15M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	141500	707.5	SKU10	Battery4	25.07	25.70	1.156	0.01	0.084	0.097
	FR1 n13_Ant 1	10M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	156400	782	SKU9	Battery1	25.60	25.70	1.023	-0.02	0.597	0.611
	FR1 n13_Ant 1	10M	BPSK	25	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	156400	782	SKU9	Battery1	25.18	25.20	1.005	0.1	0.520	0.522
47	FR1 n13_Ant 1	10M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	156400	782	SKU9	Battery1	25.60	25.70	1.023	-0.15	0.694	0.710
	FR1 n13_Ant 1	10M	BPSK	25	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	156400	782	SKU9	Battery1	25.18	25.20	1.005	-0.09	0.600	0.603



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	FR1 n13_Ant 1	10M	BPSK	1	1	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	156400	782	SKU9	Battery1	25.60	25.70	1.023	0.11	0.068	0.070
	FR1 n13_Ant 1	10M	BPSK	25	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	156400	782	SKU9	Battery1	25.18	25.20	1.005	-0.09	0.059	0.059
	FR1 n13_Ant 1	10M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	156400	782	SKU9	Battery1	25.60	25.70	1.023	-0.16	0.172	0.176
	FR1 n13_Ant 1	10M	BPSK	25	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	156400	782	SKU9	Battery1	25.18	25.20	1.005	-0.18	0.150	0.151
	FR1 n13_Ant 1	10M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	156400	782	SKU9	Battery2	25.60	25.70	1.023	-0.03	0.678	0.694
	FR1 n13_Ant 1	10M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	156400	782	SKU9	Battery3	25.60	25.70	1.023	-0.03	0.684	0.700
	FR1 n13_Ant 1	10M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	156400	782	SKU9	Battery4	25.60	25.70	1.023	0.08	0.681	0.697
	FR1 n13_Ant 1	10M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN ON	-	156400	782	SKU9	Battery1	24.62	24.80	1.042	-0.01	0.517	0.539
	FR1 n13_Ant 1	10M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	156400	782	SKU11	Battery1	25.60	25.70	1.023	-0.09	0.196	0.201
	FR1 n13_Ant 1	10M	BPSK	25	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	156400	782	SKU11	Battery1	25.18	25.20	1.005	-0.07	0.171	0.172
	FR1 n13_Ant 1	10M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	156400	782	SKU11	Battery1	25.60	25.70	1.023	0.03	0.169	0.173
	FR1 n13_Ant 1	10M	BPSK	25	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	156400	782	SKU11	Battery1	25.18	25.20	1.005	0.11	0.147	0.148
	FR1 n13_Ant 1	10M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	156400	782	SKU11	Battery1	25.60	25.70	1.023	0.12	0.161	0.165
	FR1 n13_Ant 1	10M	BPSK	25	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	156400	782	SKU11	Battery1	25.18	25.20	1.005	-0.08	0.140	0.141
	FR1 n13_Ant 1	10M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	156400	782	SKU3	Battery2	25.60	25.70	1.023	-0.04	0.218	0.223
	FR1 n13_Ant 1	10M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	156400	782	SKU6	Battery3	25.60	25.70	1.023	-0.08	0.196	0.201
	FR1 n13_Ant 1	10M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	156400	782	SKU10	Battery4	25.60	25.70	1.023	-0.01	0.211	0.216
	FR1 n14_Ant 1	10M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	158600	793	SKU9	Battery1	25.69	25.70	1.002	0.15	0.618	0.619
	FR1 n14_Ant 1	10M	BPSK	25	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	158600	793	SKU9	Battery1	25.13	25.20	1.016	-0.01	0.527	0.536
48	FR1 n14_Ant 1	10M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	158600	793	SKU9	Battery1	25.69	25.70	1.002	-0.04	0.732	0.734
	FR1 n14_Ant 1	10M	BPSK	25	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	158600	793	SKU9	Battery1	25.13	25.20	1.016	-0.09	0.624	0.634
	FR1 n14_Ant 1	10M	BPSK	1	1	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	158600	793	SKU9	Battery1	25.69	25.70	1.002	-0.03	0.068	0.068
	FR1 n14_Ant 1	10M	BPSK	25	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	158600	793	SKU9	Battery1	25.13	25.20	1.016	-0.17	0.058	0.059
	FR1 n14_Ant 1	10M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	158600	793	SKU9	Battery1	25.69	25.70	1.002	-0.04	0.155	0.155
	FR1 n14_Ant 1	10M	BPSK	25	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	158600	793	SKU9	Battery1	25.13	25.20	1.016	-0.01	0.132	0.134
	FR1 n14_Ant 1	10M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	158600	793	SKU9	Battery2	25.69	25.70	1.002	0.05	0.721	0.723
	FR1 n14_Ant 1	10M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	158600	793	SKU9	Battery3	25.69	25.70	1.002	-0.11	0.728	0.730
	FR1 n14_Ant 1	10M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	158600	793	SKU9	Battery4	25.69	25.70	1.002	-0.12	0.729	0.731
	FR1 n14_Ant 1	10M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN ON	-	158600	793	SKU9	Battery1	24.74	24.80	1.014	0.02	0.558	0.566
	FR1 n14_Ant 1	10M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	158600	793	SKU11	Battery1	25.69	25.70	1.002	0.09	0.165	0.165
	FR1 n14_Ant 1	10M	BPSK	25	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	158600	793	SKU11	Battery1	25.13	25.20	1.016	0.14	0.141	0.143
	FR1 n14_Ant 1	10M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	158600	793	SKU11	Battery1	25.69	25.70	1.002	-0.04	0.132	0.132
	FR1 n14_Ant 1	10M	BPSK	25	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	158600	793	SKU11	Battery1	25.13	25.20	1.016	0.03	0.113	0.115
	FR1 n14_Ant 1	10M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	158600	793	SKU11	Battery1	25.69	25.70	1.002	0.03	0.117	0.117
	FR1 n14_Ant 1	10M	BPSK	25	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	158600	793	SKU11	Battery1	25.13	25.20	1.016	0.1	0.100	0.102
	FR1 n14_Ant 1	10M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	158600	793	SKU3	Battery2	25.69	25.70	1.002	-0.03	0.222	0.223
	FR1 n14_Ant 1	10M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	158600	793	SKU6	Battery3	25.69	25.70	1.002	-0.11	0.195	0.195
	FR1 n14_Ant 1	10M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	158600	793	SKU10	Battery4	25.69	25.70	1.002	0.13	0.212	0.212
	FR1 n25_Ant 1	40M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	379000	1895	SKU9	Battery1	23.75	23.90	1.035	-0.1	0.159	0.165
	FR1 n25_Ant 1	40M	BPSK	108	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	379000	1895	SKU9	Battery1	23.67	23.90	1.054	-0.06	0.142	0.150
49	FR1 n25_Ant 1	40M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	379000	1895	SKU9	Battery1	23.75	23.90	1.035	0.16	1.100	1.139
	FR1 n25_Ant 1	40M	BPSK	108	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	379000	1895	SKU9	Battery1	23.67	23.90	1.054	0.02	1.038	1.094
	FR1 n25_Ant 1	40M	BPSK	216	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	379000	1895	SKU9	Battery1	23.55	23.90	1.084	0.03	0.985	1.068
	FR1 n25_Ant 1	40M	BPSK	1	1	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	379000	1895	SKU9	Battery1	23.75	23.90	1.035	-0.1	0.315	0.326
	FR1 n25_Ant 1	40M	BPSK	108	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	379000	1895	SKU9	Battery1	23.67	23.90	1.054	0.05	0.308	0.325
	FR1 n25_Ant 1	40M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	379000	1895	SKU9	Battery1	23.75	23.90	1.035	-0.05	0.048	0.050
	FR1 n25_Ant 1	40M	BPSK	108	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	379000	1895	SKU9	Battery1	23.67	23.90	1.054	-0.03	0.032	0.034
	FR1 n25_Ant 1	40M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	379000	1895	SKU9	Battery2	23.75	23.90	1.035	-0.16	1.068	1.106



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	FR1 n25_Ant 1	40M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	379000	1895	SKU9	Battery3	23.75	23.90	1.035	-0.02	1.055	1.092
	FR1 n25_Ant 1	40M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	379000	1895	SKU9	Battery4	23.75	23.90	1.035	0.15	1.095	1.133
	FR1 n25_Ant 1	40M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN ON	-	379000	1895	SKU9	Battery1	21.29	21.60	1.074	-0.03	0.567	0.609
	FR1 n25_Ant 1	40M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	379000	1895	SKU11	Battery1	23.75	23.90	1.035	0.1	0.059	0.061
	FR1 n25_Ant 1	40M	BPSK	108	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	379000	1895	SKU11	Battery1	23.67	23.90	1.054	-0.15	0.051	0.054
	FR1 n25_Ant 1	40M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	379000	1895	SKU11	Battery1	23.75	23.90	1.035	-0.14	0.404	0.418
	FR1 n25_Ant 1	40M	BPSK	108	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	379000	1895	SKU11	Battery1	23.67	23.90	1.054	0.16	0.379	0.400
	FR1 n25_Ant 1	40M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	379000	1895	SKU11	Battery1	23.75	23.90	1.035	0.08	0.036	0.037
	FR1 n25_Ant 1	40M	BPSK	108	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	379000	1895	SKU11	Battery1	23.67	23.90	1.054	0.05	0.028	0.030
	FR1 n25_Ant 1	40M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	379000	1895	SKU3	Battery2	23.75	23.90	1.035	0.14	0.379	0.392
	FR1 n25_Ant 1	40M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	379000	1895	SKU6	Battery3	23.75	23.90	1.035	-0.18	0.391	0.405
	FR1 n25_Ant 1	40M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	379000	1895	SKU10	Battery4	23.75	23.90	1.035	-0.01	0.503	0.521
	FR1 n26_Ant 1	20M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	166300	831.5	SKU9	Battery1	24.74	25.70	1.247	-0.07	0.567	0.707
	FR1 n26_Ant 1	20M	BPSK	50	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	166300	831.5	SKU9	Battery1	24.44	25.70	1.337	-0.13	0.502	0.671
50	FR1 n26_Ant 1	20M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	166300	831.5	SKU9	Battery1	24.74	25.70	1.247	0.07	0.675	0.842
	FR1 n26_Ant 1	20M	BPSK	50	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	166300	831.5	SKU9	Battery1	24.44	25.70	1.337	-0.01	0.585	0.782
	FR1 n26_Ant 1	20M	BPSK	100	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	166300	831.5	SKU9	Battery1	24.43	25.70	1.340	-0.05	0.579	0.776
	FR1 n26_Ant 1	20M	BPSK	1	1	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	166300	831.5	SKU9	Battery1	24.74	25.70	1.247	-0.07	0.078	0.097
	FR1 n26_Ant 1	20M	BPSK	50	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	166300	831.5	SKU9	Battery1	24.44	25.70	1.337	0.19	0.074	0.099
	FR1 n26_Ant 1	20M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	166300	831.5	SKU9	Battery1	24.74	25.70	1.247	0.01	0.154	0.192
	FR1 n26_Ant 1	20M	BPSK	50	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	166300	831.5	SKU9	Battery1	24.44	25.70	1.337	-0.14	0.128	0.171
	FR1 n26_Ant 1	20M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	166300	831.5	SKU9	Battery2	24.74	25.70	1.247	-0.09	0.672	0.838
	FR1 n26_Ant 1	20M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	166300	831.5	SKU9	Battery3	24.74	25.70	1.247	0.11	0.668	0.833
	FR1 n26_Ant 1	20M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	166300	831.5	SKU9	Battery4	24.74	25.70	1.247	-0.05	0.670	0.836
	FR1 n26_Ant 1	20M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN ON	-	166300	831.5	SKU9	Battery1	22.20	22.50	1.072	0.09	0.458	0.491
	FR1 n26_Ant 1	20M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	166300	831.5	SKU11	Battery1	24.74	25.70	1.247	-0.1	0.222	0.277
	FR1 n26_Ant 1	20M	BPSK	50	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	166300	831.5	SKU11	Battery1	24.44	25.70	1.337	0.02	0.196	0.262
	FR1 n26_Ant 1	20M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	166300	831.5	SKU11	Battery1	24.74	25.70	1.247	-0.11	0.176	0.220
	FR1 n26_Ant 1	20M	BPSK	50	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	166300	831.5	SKU11	Battery1	24.44	25.70	1.337	0.16	0.155	0.207
	FR1 n26_Ant 1	20M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	166300	831.5	SKU11	Battery1	24.74	25.70	1.247	-0.19	0.166	0.207
	FR1 n26_Ant 1	20M	BPSK	50	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	166300	831.5	SKU11	Battery1	24.44	25.70	1.337	0.01	0.147	0.196
	FR1 n26_Ant 1	20M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	166300	831.5	SKU3	Battery2	24.74	25.70	1.247	0.08	0.234	0.292
	FR1 n26_Ant 1	20M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	166300	831.5	SKU6	Battery3	24.74	25.70	1.247	0.13	0.251	0.313
	FR1 n26_Ant 1	20M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	166300	831.5	SKU10	Battery4	24.74	25.70	1.247	0.15	0.267	0.333
	FR1 n30_Ant 5	10M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	462000	2310	SKU9	Battery1	24.97	25.70	1.183	0.01	0.541	0.640
	FR1 n30_Ant 5	10M	BPSK	25	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	462000	2310	SKU9	Battery1	24.89	25.20	1.074	0.13	0.538	0.578
51	FR1 n30_Ant 5	10M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	462000	2310	SKU9	Battery1	24.97	25.70	1.183	-0.04	0.909	1.075
	FR1 n30_Ant 5	10M	BPSK	25	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	462000	2310	SKU9	Battery1	24.89	25.20	1.074	0.12	0.895	0.961
	FR1 n30_Ant 5	10M	BPSK	50	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	462000	2310	SKU9	Battery1	24.81	25.20	1.094	0.12	0.875	0.957
	FR1 n30_Ant 5	10M	BPSK	1	1	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	462000	2310	SKU9	Battery1	24.97	25.70	1.183	0.18	0.349	0.413
	FR1 n30_Ant 5	10M	BPSK	25	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	462000	2310	SKU9	Battery1	24.89	25.20	1.074	0.08	0.342	0.367
	FR1 n30_Ant 5	10M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	462000	2310	SKU9	Battery1	24.97	25.70	1.183	-0.14	0.592	0.700
	FR1 n30_Ant 5	10M	BPSK	25	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	462000	2310	SKU9	Battery1	24.89	25.20	1.074	0.19	0.590	0.634
	FR1 n30_Ant 5	10M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	462000	2310	SKU9	Battery2	24.97	25.70	1.183	0.08	0.900	1.065
	FR1 n30_Ant 5	10M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	462000	2310	SKU9	Battery3	24.97	25.70	1.183	0.01	0.895	1.059
	FR1 n30_Ant 5	10M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	462000	2310	SKU9	Battery4	24.97	25.70	1.183	0.03	0.898	1.062
	FR1 n30_Ant 5	10M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN ON	-	462000	2310	SKU9	Battery1	22.45	22.50	1.012	-0.08	0.531	0.537
	FR1 n30_Ant 5	10M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	462000	2310	SKU11	Battery1	24.97	25.70	1.183	0.15	0.245	0.290



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	FR1 n30_Ant 5	10M	BPSK	25	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	462000	2310	SKU11	Battery1	24.89	25.20	1.074	0	0.236	0.253
	FR1 n30_Ant 5	10M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	462000	2310	SKU11	Battery1	24.97	25.70	1.183	-0.17	0.320	0.379
	FR1 n30_Ant 5	10M	BPSK	25	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	462000	2310	SKU11	Battery1	24.89	25.20	1.074	-0.03	0.308	0.331
	FR1 n30_Ant 5	10M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	462000	2310	SKU11	Battery1	24.97	25.70	1.183	-0.13	0.526	0.622
	FR1 n30_Ant 5	10M	BPSK	25	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	462000	2310	SKU11	Battery1	24.89	25.20	1.074	0.07	0.506	0.543
	FR1 n30_Ant 5	10M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	462000	2310	SKU3	Battery2	24.97	25.70	1.183	0	0.501	0.593
	FR1 n30_Ant 5	10M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	462000	2310	SKU6	Battery3	24.97	25.70	1.183	0.02	0.523	0.619
	FR1 n30_Ant 5	10M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	462000	2310	SKU10	Battery4	24.97	25.70	1.183	-0.06	0.485	0.574
	FR1 n66_Ant 1	40M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	349000	1745	SKU9	Battery1	22.61	22.80	1.045	-0.01	0.118	0.123
	FR1 n66_Ant 1	40M	BPSK	108	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	349000	1745	SKU9	Battery1	22.57	22.80	1.054	-0.03	0.116	0.122
52	FR1 n66_Ant 1	40M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	349000	1745	SKU9	Battery1	22.61	22.80	1.045	0.05	1.030	1.076
	FR1 n66_Ant 1	40M	BPSK	108	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	349000	1745	SKU9	Battery1	22.57	22.80	1.054	0.02	1.010	1.065
	FR1 n66_Ant 1	40M	BPSK	216	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	349000	1745	SKU9	Battery1	22.53	22.80	1.064	-0.08	1.005	1.069
	FR1 n66_Ant 1	40M	BPSK	1	1	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	349000	1745	SKU9	Battery1	22.61	22.80	1.045	-0.08	0.132	0.138
	FR1 n66_Ant 1	40M	BPSK	108	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	349000	1745	SKU9	Battery1	22.57	22.80	1.054	0.02	0.124	0.131
	FR1 n66_Ant 1	40M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	349000	1745	SKU9	Battery1	22.61	22.80	1.045	-0.18	0.001	0.001
	FR1 n66_Ant 1	40M	BPSK	108	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	349000	1745	SKU9	Battery1	22.57	22.80	1.054	-0.03	0.001	0.001
	FR1 n66_Ant 1	40M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	349000	1745	SKU9	Battery2	22.61	22.80	1.045	-0.08	1.008	1.053
	FR1 n66_Ant 1	40M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	349000	1745	SKU9	Battery3	22.61	22.80	1.045	0.1	1.012	1.057
	FR1 n66_Ant 1	40M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	349000	1745	SKU9	Battery4	22.61	22.80	1.045	-0.18	1.020	1.066
	FR1 n66_Ant 1	40M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN ON	-	349000	1745	SKU9	Battery1	19.65	20.30	1.161	0.06	0.418	0.485
	FR1 n66_Ant 1	40M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	349000	1745	SKU11	Battery1	22.61	22.80	1.045	-0.1	0.053	0.055
	FR1 n66_Ant 1	40M	BPSK	108	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	349000	1745	SKU11	Battery1	22.57	22.80	1.054	-0.1	0.048	0.051
	FR1 n66_Ant 1	40M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	349000	1745	SKU11	Battery1	22.61	22.80	1.045	0.04	0.399	0.417
	FR1 n66_Ant 1	40M	BPSK	108	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	349000	1745	SKU11	Battery1	22.57	22.80	1.054	0.05	0.385	0.406
	FR1 n66_Ant 1	40M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	349000	1745	SKU11	Battery1	22.61	22.80	1.045	0.17	0.001	0.001
	FR1 n66_Ant 1	40M	BPSK	108	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	349000	1745	SKU11	Battery1	22.57	22.80	1.054	0	0.001	0.001
	FR1 n66_Ant 1	40M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	349000	1745	SKU3	Battery2	22.61	22.80	1.045	-0.1	0.503	0.525
	FR1 n66_Ant 1	40M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	349000	1745	SKU6	Battery3	22.61	22.80	1.045	0.07	0.478	0.499
	FR1 n66_Ant 1	40M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	349000	1745	SKU10	Battery4	22.61	22.80	1.045	0.04	0.514	0.537
	FR1 n71_Ant 1	20M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	136100	680.5	SKU9	Battery1	24.30	25.00	1.175	-0.15	0.173	0.203
	FR1 n71_Ant 1	20M	BPSK	50	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	136100	680.5	SKU9	Battery1	24.08	25.00	1.236	0.15	0.158	0.195
53	FR1 n71_Ant 1	20M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	136100	680.5	SKU9	Battery1	24.30	25.00	1.175	-0.07	0.191	0.224
	FR1 n71_Ant 1	20M	BPSK	50	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	136100	680.5	SKU9	Battery1	24.08	25.00	1.236	-0.05	0.180	0.222
	FR1 n71_Ant 1	20M	BPSK	1	1	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	136100	680.5	SKU9	Battery1	24.30	25.00	1.175	0.06	0.001	0.001
	FR1 n71_Ant 1	20M	BPSK	50	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	136100	680.5	SKU9	Battery1	24.08	25.00	1.236	-0.08	0.001	0.001
	FR1 n71_Ant 1	20M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	136100	680.5	SKU9	Battery1	24.30	25.00	1.175	0.06	0.001	0.001
	FR1 n71_Ant 1	20M	BPSK	50	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	136100	680.5	SKU9	Battery1	24.08	25.00	1.236	-0.13	0.001	0.001
	FR1 n71_Ant 1	20M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	136100	680.5	SKU9	Battery2	24.30	25.00	1.175	0.12	0.184	0.216
	FR1 n71_Ant 1	20M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	136100	680.5	SKU9	Battery3	24.30	25.00	1.175	0.08	0.190	0.223
	FR1 n71_Ant 1	20M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	136100	680.5	SKU9	Battery4	24.30	25.00	1.175	-0.17	0.189	0.222
	FR1 n71_Ant 1	20M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	136100	680.5	SKU11	Battery1	24.30	25.00	1.175	0.03	0.089	0.105
	FR1 n71_Ant 1	20M	BPSK	50	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	136100	680.5	SKU11	Battery1	24.08	25.00	1.236	-0.11	0.077	0.095
	FR1 n71_Ant 1	20M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	136100	680.5	SKU11	Battery1	24.30	25.00	1.175	0	0.068	0.080
	FR1 n71_Ant 1	20M	BPSK	50	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	136100	680.5	SKU11	Battery1	24.08	25.00	1.236	0.03	0.060	0.074
	FR1 n71_Ant 1	20M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	136100	680.5	SKU11	Battery1	24.30	25.00	1.175	0.15	0.083	0.098
	FR1 n71_Ant 1	20M	BPSK	50	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	136100	680.5	SKU11	Battery1	24.08	25.00	1.236	-0.05	0.075	0.093
	FR1 n71_Ant 1	20M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	136100	680.5	SKU3	Battery2	24.30	25.00	1.175	-0.08	0.084	0.099



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	FR1 n71_Ant 1	20M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	136100	680.5	SKU6	Battery3	24.30	25.00	1.175	-0.17	0.082	0.096
	FR1 n71_Ant 1	20M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	136100	680.5	SKU10	Battery4	24.30	25.00	1.175	0.18	0.082	0.096
	FR1 n41_Ant 5	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery1	25.31	25.70	1.094	0.02	0.477	0.522
	FR1 n41_Ant 5	100M	BPSK	135	69	Front	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery1	25.30	25.70	1.096	-0.01	0.468	0.513
54	FR1 n41_Ant 5	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery1	25.31	25.70	1.094	-0.17	0.818	0.895
	FR1 n41_Ant 5	100M	BPSK	135	69	Back	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery1	25.30	25.70	1.096	-0.12	0.801	0.878
	FR1 n41_Ant 5	100M	BPSK	270	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery1	25.14	25.70	1.138	-0.12	0.782	0.890
	FR1 n41_Ant 5	100M	BPSK	1	1	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	518598	2592.99	SKU9	Battery1	25.31	25.70	1.094	-0.17	0.254	0.278
	FR1 n41_Ant 5	100M	BPSK	135	69	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	518598	2592.99	SKU9	Battery1	25.30	25.70	1.096	0.09	0.251	0.275
	FR1 n41_Ant 5	100M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	518598	2592.99	SKU9	Battery1	25.31	25.70	1.094	0.12	0.751	0.822
	FR1 n41_Ant 5	100M	BPSK	135	69	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	518598	2592.99	SKU9	Battery1	25.30	25.70	1.096	0.04	0.741	0.812
	FR1 n41_Ant 5	100M	BPSK	270	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	518598	2592.99	SKU9	Battery1	25.14	25.70	1.138	0.04	0.700	0.796
	FR1 n41_Ant 5	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery2	25.31	25.70	1.094	0.14	0.798	0.873
	FR1 n41_Ant 5	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery3	25.31	25.70	1.094	0.11	0.802	0.877
	FR1 n41_Ant 5	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery4	25.31	25.70	1.094	-0.05	0.810	0.886
	FR1 n41_HPUE_Ant 5	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery1	27.21	27.50	1.069	-0.07	0.694	0.742
	FR1 n41_Ant 5	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN ON	-	518598	2592.99	SKU9	Battery1	23.46	23.50	1.009	-0.02	0.520	0.525
	FR1 n41_Ant 5	100M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	518598	2592.99	SKU11	Battery1	25.31	25.70	1.094	-0.16	0.161	0.176
	FR1 n41_Ant 5	100M	BPSK	135	69	Front	15mm	Gun	DSI 1	WLAN OFF	-	518598	2592.99	SKU11	Battery1	25.30	25.70	1.096	-0.13	0.152	0.167
	FR1 n41_Ant 5	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	518598	2592.99	SKU11	Battery1	25.31	25.70	1.094	0.19	0.353	0.386
	FR1 n41_Ant 5	100M	BPSK	135	69	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	518598	2592.99	SKU11	Battery1	25.30	25.70	1.096	0.12	0.321	0.352
	FR1 n41_Ant 5	100M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	518598	2592.99	SKU11	Battery1	25.31	25.70	1.094	-0.03	0.048	0.053
	FR1 n41_Ant 5	100M	BPSK	135	69	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	518598	2592.99	SKU11	Battery1	25.30	25.70	1.096	-0.11	0.041	0.045
	FR1 n41_HPUE_Ant 5	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	518598	2592.99	SKU11	Battery1	27.21	27.50	1.069	-0.16	0.300	0.321
	FR1 n41_Ant 5	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	518598	2592.99	SKU3	Battery2	25.31	25.70	1.094	0.18	0.531	0.581
	FR1 n41_Ant 5	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	518598	2592.99	SKU6	Battery3	25.31	25.70	1.094	0.1	0.466	0.510
	FR1 n41_Ant 5	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	518598	2592.99	SKU10	Battery4	25.31	25.70	1.094	0.01	0.459	0.502
	FR1 n41_Ant 2	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery1	22.97	23	1.007	0.05	0.361	0.364
	FR1 n41_Ant 2	100M	BPSK	135	69	Front	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery1	21.86	23	1.300	-0.16	0.276	0.359
	FR1 n41_Ant 2	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery1	22.97	23	1.007	0.07	0.735	0.740
	FR1 n41_Ant 2	100M	BPSK	135	69	Back	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery1	21.86	23	1.300	-0.17	0.561	0.729
	FR1 n41_Ant 2	100M	BPSK	1	1	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	518598	2592.99	SKU9	Battery1	22.97	23	1.007	-0.17	0.157	0.158
	FR1 n41_Ant 2	100M	BPSK	135	69	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	518598	2592.99	SKU9	Battery1	21.86	23	1.300	-0.05	0.120	0.156
	FR1 n41_Ant 2	100M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	518598	2592.99	SKU9	Battery1	22.97	23	1.007	-0.03	0.070	0.070
	FR1 n41_Ant 2	100M	BPSK	135	69	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	518598	2592.99	SKU9	Battery1	21.86	23	1.300	-0.01	0.050	0.065
	FR1 n41_Ant 2	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery2	22.97	23	1.007	0.05	0.721	0.726
	FR1 n41_Ant 2	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery3	22.97	23	1.007	0.06	0.732	0.737
	FR1 n41_Ant 2	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery4	22.97	23	1.007	-0.09	0.728	0.733
	FR1 n41_Ant 2	100M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	518598	2592.99	SKU11	Battery1	22.97	23	1.007	0.13	0.075	0.076
	FR1 n41_Ant 2	100M	BPSK	135	69	Front	15mm	Gun	DSI 1	WLAN OFF	-	518598	2592.99	SKU11	Battery1	21.86	23	1.300	0.13	0.058	0.075
	FR1 n41_Ant 2	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	518598	2592.99	SKU11	Battery1	22.97	23	1.007	0	0.182	0.183
	FR1 n41_Ant 2	100M	BPSK	135	69	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	518598	2592.99	SKU11	Battery1	21.86	23	1.300	0	0.130	0.169
	FR1 n41_Ant 2	100M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	518598	2592.99	SKU11	Battery1	22.97	23	1.007	-0.06	0.067	0.067
	FR1 n41_Ant 2	100M	BPSK	135	69	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	518598	2592.99	SKU11	Battery1	21.86	23	1.300	-0.04	0.051	0.066
	FR1 n41_Ant 2	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	518598	2592.99	SKU3	Battery2	22.97	23	1.007	-0.02	0.108	0.109
	FR1 n41_Ant 2	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	518598	2592.99	SKU6	Battery3	22.97	23	1.007	-0.13	0.176	0.177
	FR1 n41_Ant 2	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	518598	2592.99	SKU10	Battery4	22.97	23	1.007	-0.08	0.192	0.193
	FR1 n41_Ant 3	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery1	21.7	22.5	1.202	0.08	0.046	0.055



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	FR1 n41_Ant 3	100M	BPSK	135	69	Front	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery1	21.66	22.5	1.213	-0.12	0.032	0.039
	FR1 n41_Ant 3	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery1	21.7	22.5	1.202	-0.03	0.051	0.061
	FR1 n41_Ant 3	100M	BPSK	135	69	Back	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery1	21.66	22.5	1.213	-0.17	0.034	0.041
	FR1 n41_Ant 3	100M	BPSK	1	1	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	518598	2592.99	SKU9	Battery1	21.7	22.5	1.202	-0.13	0.035	0.042
	FR1 n41_Ant 3	100M	BPSK	135	69	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	518598	2592.99	SKU9	Battery1	21.66	22.5	1.213	0.01	0.030	0.036
	FR1 n41_Ant 3	100M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	518598	2592.99	SKU9	Battery1	21.7	22.5	1.202	-0.14	0.010	0.012
	FR1 n41_Ant 3	100M	BPSK	135	69	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	518598	2592.99	SKU9	Battery1	21.66	22.5	1.213	0.02	0.008	0.010
	FR1 n41_Ant 3	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery2	21.7	22.5	1.202	0.1	0.048	0.058
	FR1 n41_Ant 3	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery3	21.7	22.5	1.202	-0.17	0.042	0.050
	FR1 n41_Ant 3	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery4	21.7	22.5	1.202	0.04	0.050	0.060
	FR1 n41_Ant 3	100M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	518598	2592.99	SKU11	Battery1	21.7	22.5	1.202	-0.11	0.001	0.001
	FR1 n41_Ant 3	100M	BPSK	135	69	Front	15mm	Gun	DSI 1	WLAN OFF	-	518598	2592.99	SKU11	Battery1	21.66	22.5	1.213	-0.01	0.001	0.001
	FR1 n41_Ant 3	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	518598	2592.99	SKU11	Battery1	21.7	22.5	1.202	0.04	0.001	0.001
	FR1 n41_Ant 3	100M	BPSK	135	69	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	518598	2592.99	SKU11	Battery1	21.66	22.5	1.213	0.09	0.001	0.001
	FR1 n41_Ant 3	100M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	518598	2592.99	SKU11	Battery1	21.7	22.5	1.202	-0.14	0.034	0.041
	FR1 n41_Ant 3	100M	BPSK	135	69	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	518598	2592.99	SKU11	Battery1	21.66	22.5	1.213	0.1	0.028	0.034
	FR1 n41_Ant 3	100M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	518598	2592.99	SKU3	Battery2	21.7	22.5	1.202	0.14	0.023	0.028
	FR1 n41_Ant 3	100M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	518598	2592.99	SKU6	Battery3	21.7	22.5	1.202	0.11	0.033	0.040
	FR1 n41_Ant 3	100M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	518598	2592.99	SKU10	Battery4	21.7	22.5	1.202	0.13	0.025	0.030
	FR1 n41_Ant 4	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery1	20.66	22.5	1.528	0.14	0.091	0.139
	FR1 n41_Ant 4	100M	BPSK	135	69	Front	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery1	22.4	22.5	1.023	0.15	0.070	0.072
	FR1 n41_Ant 4	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery1	20.66	22.5	1.528	-0.05	0.189	0.289
	FR1 n41_Ant 4	100M	BPSK	135	69	Back	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery1	22.4	22.5	1.023	0.09	0.150	0.153
	FR1 n41_Ant 4	100M	BPSK	1	1	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	518598	2592.99	SKU9	Battery1	20.66	22.5	1.528	-0.02	0.067	0.102
	FR1 n41_Ant 4	100M	BPSK	135	69	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	518598	2592.99	SKU9	Battery1	22.4	22.5	1.023	0.05	0.043	0.044
	FR1 n41_Ant 4	100M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	518598	2592.99	SKU9	Battery1	20.66	22.5	1.528	0	0.098	0.150
	FR1 n41_Ant 4	100M	BPSK	135	69	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	518598	2592.99	SKU9	Battery1	22.4	22.5	1.023	0.08	0.080	0.082
	FR1 n41_Ant 4	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery2	20.66	22.5	1.528	0.14	0.172	0.263
	FR1 n41_Ant 4	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery3	20.66	22.5	1.528	-0.17	0.178	0.272
	FR1 n41_Ant 4	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	518598	2592.99	SKU9	Battery4	20.66	22.5	1.528	0.17	0.180	0.275
	FR1 n41_Ant 4	100M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	518598	2592.99	SKU11	Battery1	20.66	22.5	1.528	-0.02	0.001	0.002
	FR1 n41_Ant 4	100M	BPSK	135	69	Front	15mm	Gun	DSI 1	WLAN OFF	-	518598	2592.99	SKU11	Battery1	22.4	22.5	1.023	-0.03	0.001	0.001
	FR1 n41_Ant 4	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	518598	2592.99	SKU11	Battery1	20.66	22.5	1.528	0.04	0.041	0.063
	FR1 n41_Ant 4	100M	BPSK	135	69	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	518598	2592.99	SKU11	Battery1	22.4	22.5	1.023	-0.04	0.021	0.021
	FR1 n41_Ant 4	100M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	518598	2592.99	SKU11	Battery1	20.66	22.5	1.528	-0.06	0.071	0.108
	FR1 n41_Ant 4	100M	BPSK	135	69	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	518598	2592.99	SKU11	Battery1	22.4	22.5	1.023	-0.09	0.065	0.067
	FR1 n41_Ant 4	100M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	518598	2592.99	SKU3	Battery2	20.66	22.5	1.528	0.11	0.061	0.093
	FR1 n41_Ant 4	100M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	518598	2592.99	SKU6	Battery3	20.66	22.5	1.528	-0.04	0.084	0.128
	FR1 n41_Ant 4	100M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	518598	2592.99	SKU10	Battery4	20.66	22.5	1.528	-0.02	0.057	0.087
	FR1 n48_Ant 8	40M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery1	23.66	24.30	1.159	-0.16	0.552	0.640
	FR1 n48_Ant 8	40M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	638000	3570	SKU9	Battery1	23.61	24.30	1.172	0.18	0.532	0.624
	FR1 n48_Ant 8	40M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	645332	3679.98	SKU9	Battery1	23.57	24.30	1.183	0.12	0.526	0.622
	FR1 n48_Ant 8	40M	BPSK	50	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery1	23.63	24.30	1.167	0.11	0.520	0.607
	FR1 n48_Ant 8	40M	BPSK	50	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	638000	3570	SKU9	Battery1	23.52	24.30	1.197	0.18	0.515	0.616
	FR1 n48_Ant 8	40M	BPSK	50	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	645332	3679.98	SKU9	Battery1	23.53	24.30	1.194	0.12	0.508	0.607
	FR1 n48_Ant 8	40M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery1	23.66	24.30	1.159	-0.02	0.492	0.570
	FR1 n48_Ant 8	40M	BPSK	50	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery1	23.63	24.30	1.167	0.07	0.463	0.540
	FR1 n48_Ant 8	40M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU9	Battery1	23.66	24.30	1.159	0.15	0.244	0.283
	FR1 n48_Ant 8	40M	BPSK	50	0	Front	0mm	Brick	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU9	Battery1	23.63	24.30	1.167	-0.03	0.230	0.268



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	FR1 n48_Ant 8	40M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	641666	3624.99	SKU9	Battery1	23.66	24.30	1.159	-0.07	0.333	0.386
	FR1 n48_Ant 8	40M	BPSK	50	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	641666	3624.99	SKU9	Battery1	23.63	24.30	1.167	-0.08	0.385	0.449
	FR1 n48_Ant 8	40M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery2	23.66	24.30	1.159	0.08	0.544	0.630
	FR1 n48_Ant 8	40M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery3	23.66	24.30	1.159	-0.1	0.550	0.637
	FR1 n48_Ant 8	40M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery4	23.66	24.30	1.159	0.13	0.548	0.635
	FR1 n48_Ant 8	40M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	641666	3624.99	SKU11	Battery1	23.66	24.30	1.159	-0.07	0.286	0.331
	FR1 n48_Ant 8	40M	BPSK	50	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	641666	3624.99	SKU11	Battery1	23.63	24.30	1.167	-0.03	0.274	0.320
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU11	Battery1	23.66	24.30	1.159	0.18	0.692	0.802
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	638000	3570	SKU11	Battery1	23.61	24.30	1.172	0.12	0.662	0.776
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	645332	3679.98	SKU11	Battery1	23.57	24.30	1.183	0.08	0.654	0.774
	FR1 n48_Ant 8	40M	BPSK	50	0	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU11	Battery1	23.63	24.30	1.167	0.17	0.687	0.802
	FR1 n48_Ant 8	40M	BPSK	50	0	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	638000	3570	SKU11	Battery1	23.52	24.30	1.197	0.13	0.658	0.787
	FR1 n48_Ant 8	40M	BPSK	50	0	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	645332	3679.98	SKU11	Battery1	23.53	24.30	1.194	0.08	0.662	0.790
	FR1 n48_Ant 8	40M	BPSK	100	0	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU11	Battery1	23.55	24.30	1.189	0.12	0.670	0.796
	FR1 n48_Ant 8	40M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	641666	3624.99	SKU11	Battery1	23.66	24.30	1.159	0.05	0.507	0.588
	FR1 n48_Ant 8	40M	BPSK	50	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	641666	3624.99	SKU11	Battery1	23.63	24.30	1.167	-0.14	0.489	0.571
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU3	Battery2	23.66	24.30	1.159	0.11	0.735	0.852
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	638000	3570	SKU3	Battery2	23.61	24.30	1.172	0.1	0.722	0.846
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	645332	3679.98	SKU3	Battery2	23.57	24.30	1.183	-0.17	0.718	0.849
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU6	Battery3	23.66	24.30	1.159	0.05	0.750	0.869
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	638000	3570	SKU6	Battery3	23.61	24.30	1.172	0.04	0.746	0.874
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	645332	3679.98	SKU6	Battery3	23.57	24.30	1.183	-0.01	0.733	0.867
55	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU10	Battery4	23.66	24.30	1.159	-0.13	0.766	0.888
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	638000	3570	SKU10	Battery4	23.61	24.30	1.172	-0.08	0.752	0.881
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	645332	3679.98	SKU10	Battery4	23.57	24.30	1.183	0.05	0.749	0.886
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	0mm	Brick	DSI 1	WLAN ON	Soft holster	641666	3624.99	SKU10	Battery4	21.30	22.30	1.259	0.02	0.448	0.564
	FR1 n77_Ant 9	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery1	21.15	21.50	1.084	-0.11	0.163	0.177
	FR1 n77_Ant 9	100M	BPSK	135	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery1	20.83	21.50	1.167	-0.06	0.140	0.163
	FR1 n77_Ant 9	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery1	21.15	21.50	1.084	-0.18	0.272	0.295
	FR1 n77_Ant 9	100M	BPSK	135	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery1	20.83	21.50	1.167	-0.15	0.234	0.273
	FR1 n77_Ant 9	100M	BPSK	1	1	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU9	Battery1	21.15	21.50	1.084	0.05	0.060	0.065
	FR1 n77_Ant 9	100M	BPSK	135	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU9	Battery1	20.83	21.50	1.167	-0.16	0.045	0.053
	FR1 n77_Ant 9	100M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	656000	3840	SKU9	Battery1	21.15	21.50	1.084	0.08	0.255	0.276
	FR1 n77_Ant 9	100M	BPSK	135	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	656000	3840	SKU9	Battery1	20.83	21.50	1.167	-0.03	0.202	0.236
	FR1 n77_HPUE_Ant 9	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery1	24.29	24.50	1.050	-0.18	0.302	0.317
	FR1 n77_HPUE_Ant 9	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery2	24.29	24.50	1.050	0.13	0.270	0.283
	FR1 n77_HPUE_Ant 9	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery3	24.29	24.50	1.050	0.12	0.255	0.268
	FR1 n77_HPUE_Ant 9	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery4	24.29	24.50	1.050	0.03	0.268	0.281
	FR1 n77_Ant 9	100M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	656000	3840	SKU11	Battery1	21.15	21.50	1.084	-0.15	0.081	0.088
	FR1 n77_Ant 9	100M	BPSK	135	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	656000	3840	SKU11	Battery1	20.83	21.50	1.167	0.02	0.070	0.082
	FR1 n77_Ant 9	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU11	Battery1	21.15	21.50	1.084	-0.12	0.253	0.274
	FR1 n77_Ant 9	100M	BPSK	135	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU11	Battery1	20.83	21.50	1.167	0	0.215	0.251
	FR1 n77_Ant 9	100M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	656000	3840	SKU11	Battery1	21.15	21.50	1.084	0	0.184	0.199
	FR1 n77_Ant 9	100M	BPSK	135	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	656000	3840	SKU11	Battery1	20.83	21.50	1.167	0.18	0.157	0.183
	FR1 n77_HPUE_Ant 9	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU11	Battery1	24.29	24.50	1.050	-0.14	0.244	0.256
	FR1 n77_Ant 9	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU3	Battery2	21.15	21.50	1.084	-0.09	0.222	0.241
	FR1 n77_Ant 9	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU6	Battery3	21.15	21.50	1.084	0.03	0.233	0.253
	FR1 n77_Ant 9	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU10	Battery4	21.15	21.50	1.084	0.06	0.230	0.249
	FR1 n77_Ant 9	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery1	21.05	21.50	1.109	0.01	0.163	0.181



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	FR1 n77_Ant 9	100M	BPSK	135	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery1	20.89	21.50	1.151	-0.05	0.145	0.167
	FR1 n77_Ant 9	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery1	21.05	21.50	1.109	0.03	0.147	0.163
	FR1 n77_Ant 9	100M	BPSK	135	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery1	20.89	21.50	1.151	-0.04	0.130	0.150
	FR1 n77_Ant 9	100M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU9	Battery1	21.05	21.50	1.109	0.09	0.025	0.028
	FR1 n77_Ant 9	100M	BPSK	135	0	Front	0mm	Brick	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU9	Battery1	20.89	21.50	1.151	-0.08	0.017	0.020
	FR1 n77_Ant 9	100M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	633332	3499.98	SKU9	Battery1	21.05	21.50	1.109	-0.12	0.023	0.026
	FR1 n77_Ant 9	100M	BPSK	135	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	633332	3499.98	SKU9	Battery1	20.89	21.50	1.151	-0.14	0.018	0.021
	FR1 n77_HPUE_Ant 9	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery1	24.25	24.50	1.059	-0.03	0.198	0.210
	FR1 n77_HPUE_Ant 9	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery2	24.25	24.50	1.059	0.18	0.149	0.158
	FR1 n77_HPUE_Ant 9	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery3	24.25	24.50	1.059	0.16	0.158	0.167
	FR1 n77_HPUE_Ant 9	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery4	24.25	24.50	1.059	-0.1	0.160	0.169
	FR1 n77_Ant 9	100M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	633332	3499.98	SKU11	Battery1	21.05	21.50	1.109	-0.11	0.093	0.103
	FR1 n77_Ant 9	100M	BPSK	135	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	633332	3499.98	SKU11	Battery1	20.89	21.50	1.151	0.18	0.078	0.090
	FR1 n77_Ant 9	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU11	Battery1	21.05	21.50	1.109	-0.11	0.342	0.379
	FR1 n77_Ant 9	100M	BPSK	135	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU11	Battery1	20.89	21.50	1.151	0.02	0.301	0.346
	FR1 n77_Ant 9	100M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	633332	3499.98	SKU11	Battery1	21.05	21.50	1.109	-0.06	0.027	0.030
	FR1 n77_Ant 9	100M	BPSK	135	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	633332	3499.98	SKU11	Battery1	20.89	21.50	1.151	0.16	0.020	0.023
	FR1 n77_HPUE_Ant 9	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU11	Battery1	24.25	24.50	1.059	0.18	0.331	0.351
	FR1 n77_Ant 9	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU3	Battery2	21.05	21.50	1.109	0.05	0.309	0.343
	FR1 n77_Ant 9	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU6	Battery3	21.05	21.50	1.109	0.09	0.286	0.317
	FR1 n77_Ant 9	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU10	Battery4	21.05	21.50	1.109	-0.02	0.331	0.367
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery1	21.10	21.50	1.096	0.01	0.246	0.270
	FR1 n77/n78_Ant 9	100M	BPSK	135	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery1	21.00	21.50	1.122	-0.02	0.214	0.240
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery1	21.10	21.50	1.096	0.14	0.178	0.195
	FR1 n77/n78_Ant 9	100M	BPSK	135	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery1	21.00	21.50	1.122	0.07	0.155	0.174
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU9	Battery1	21.10	21.50	1.096	0.07	0.015	0.016
	FR1 n77/n78_Ant 9	100M	BPSK	135	0	Front	0mm	Brick	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU9	Battery1	21.00	21.50	1.122	-0.17	0.100	0.112
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	641666	3624.99	SKU9	Battery1	21.10	21.50	1.096	-0.04	0.050	0.055
	FR1 n77/n78_Ant 9	100M	BPSK	135	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	641666	3624.99	SKU9	Battery1	21.00	21.50	1.122	0.08	0.042	0.047
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery1	21.10	21.50	1.096	0.07	0.218	0.239
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery1	21.10	21.50	1.096	0.18	0.235	0.258
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery1	21.10	21.50	1.096	-0.1	0.240	0.263
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	641666	3624.99	SKU11	Battery1	21.10	21.50	1.096	0.08	0.123	0.135
	FR1 n77/n78_Ant 9	100M	BPSK	135	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	641666	3624.99	SKU11	Battery1	21.00	21.50	1.122	-0.13	0.107	0.120
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU11	Battery1	21.10	21.50	1.096	-0.05	0.436	0.478
	FR1 n77/n78_Ant 9	100M	BPSK	135	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU11	Battery1	21.00	21.50	1.122	-0.1	0.380	0.426
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	641666	3624.99	SKU11	Battery1	21.10	21.50	1.096	0.16	0.031	0.034
	FR1 n77/n78_Ant 9	100M	BPSK	135	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	641666	3624.99	SKU11	Battery1	21.00	21.50	1.122	-0.07	0.027	0.030
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU3	Battery2	21.10	21.50	1.096	0.16	0.398	0.436
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU6	Battery3	21.10	21.50	1.096	-0.11	0.382	0.419
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU10	Battery4	21.10	21.50	1.096	-0.05	0.428	0.469
	FR1 n77_Ant 8	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery1	22.92	23.30	1.091	-0.19	0.615	0.671
	FR1 n77_Ant 8	100M	BPSK	135	69	Front	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery1	22.47	23.30	1.211	-0.04	0.548	0.663
	FR1 n77_Ant 8	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery1	22.92	23.30	1.091	-0.13	0.539	0.588
	FR1 n77_Ant 8	100M	BPSK	135	69	Back	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery1	22.47	23.30	1.211	-0.15	0.480	0.581
	FR1 n77_Ant 8	100M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU9	Battery1	22.92	23.30	1.091	-0.18	0.304	0.332
	FR1 n77_Ant 8	100M	BPSK	135	69	Front	0mm	Brick	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU9	Battery1	22.47	23.30	1.211	-0.09	0.271	0.328
	FR1 n77_Ant 8	100M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	656000	3840	SKU9	Battery1	22.92	23.30	1.091	-0.11	0.599	0.654



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	FR1 n77_Ant 8	100M	BPSK	135	69	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	656000	3840	SKU9	Battery1	22.47	23.30	1.211	0.13	0.534	0.646
	FR1 n77_HPUE_Ant 8	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery1	25.70	26.30	1.148	-0.02	0.601	0.690
	FR1 n77_HPUE_Ant 8	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery1	25.70	26.30	1.148	-0.15	0.548	0.629
	FR1 n77_HPUE_Ant 8	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery1	25.70	26.30	1.148	-0.12	0.531	0.610
	FR1 n77_HPUE_Ant 8	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery1	25.70	26.30	1.148	0.11	0.556	0.638
	FR1 n77_Ant 8	100M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	656000	3840	SKU11	Battery1	22.92	23.30	1.091	0.06	0.307	0.335
	FR1 n77_Ant 8	100M	BPSK	135	69	Front	15mm	Gun	DSI 1	WLAN OFF	-	656000	3840	SKU11	Battery1	22.47	23.30	1.211	-0.12	0.272	0.329
	FR1 n77_Ant 8	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU11	Battery1	22.92	23.30	1.091	-0.06	0.820	0.895
	FR1 n77_Ant 8	100M	BPSK	135	69	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU11	Battery1	22.47	23.30	1.211	0.15	0.727	0.880
	FR1 n77_Ant 8	100M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	656000	3840	SKU11	Battery1	22.92	23.30	1.091	-0.09	0.789	0.861
	FR1 n77_Ant 8	100M	BPSK	135	69	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	656000	3840	SKU11	Battery1	22.47	23.30	1.211	-0.05	0.700	0.847
56	FR1 n77_HPUE_Ant 8	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU11	Battery1	25.70	26.30	1.148	-0.09	0.838	0.962
	FR1 n77_HPUE_Ant 8	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU3	Battery2	25.70	26.30	1.148	0.18	0.768	0.882
	FR1 n77_HPUE_Ant 8	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU6	Battery3	25.70	26.30	1.148	-0.05	0.774	0.889
	FR1 n77_HPUE_Ant 8	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU10	Battery4	25.70	26.30	1.148	-0.04	0.759	0.871
	FR1 n77_HPUE_Ant 8	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN ON	Soft holster	656000	3840	SKU11	Battery1	22.40	23.30	1.230	-0.09	0.400	0.492
	FR1 n77_Ant 8	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery1	22.79	23.30	1.125	-0.07	0.566	0.637
	FR1 n77_Ant 8	100M	BPSK	135	69	Front	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery1	22.71	23.30	1.146	0.1	0.542	0.621
	FR1 n77_Ant 8	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery1	22.79	23.30	1.125	0.16	0.412	0.463
	FR1 n77_Ant 8	100M	BPSK	135	69	Back	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery1	22.71	23.30	1.146	-0.15	0.395	0.452
	FR1 n77_Ant 8	100M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU9	Battery1	22.79	23.30	1.125	-0.11	0.203	0.228
	FR1 n77_Ant 8	100M	BPSK	135	69	Front	0mm	Brick	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU9	Battery1	22.71	23.30	1.146	-0.02	0.197	0.226
	FR1 n77_Ant 8	100M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	633332	3499.98	SKU9	Battery1	22.79	23.30	1.125	-0.03	0.317	0.356
	FR1 n77_Ant 8	100M	BPSK	135	69	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	633332	3499.98	SKU9	Battery1	22.71	23.30	1.146	0.14	0.307	0.352
	FR1 n77_HPUE_Ant 8	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery1	25.79	26.30	1.125	0	0.561	0.631
	FR1 n77_Ant 8	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery2	22.79	23.30	1.125	0.08	0.548	0.616
	FR1 n77_Ant 8	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery3	22.79	23.30	1.125	0.01	0.558	0.628
	FR1 n77_Ant 8	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery4	22.79	23.30	1.125	0.03	0.560	0.630
	FR1 n77_Ant 8	100M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	633332	3499.98	SKU11	Battery1	22.79	23.30	1.125	-0.13	0.265	0.298
	FR1 n77_Ant 8	100M	BPSK	135	69	Front	15mm	Gun	DSI 1	WLAN OFF	-	633332	3499.98	SKU11	Battery1	22.71	23.30	1.146	-0.05	0.248	0.284
	FR1 n77_Ant 8	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU11	Battery1	22.79	23.30	1.125	-0.11	0.606	0.682
	FR1 n77_Ant 8	100M	BPSK	135	69	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU11	Battery1	22.71	23.30	1.146	-0.04	0.567	0.650
	FR1 n77_Ant 8	100M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	633332	3499.98	SKU11	Battery1	22.79	23.30	1.125	0.11	0.517	0.581
	FR1 n77_Ant 8	100M	BPSK	135	69	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	633332	3499.98	SKU11	Battery1	22.71	23.30	1.146	0.14	0.484	0.554
	FR1 n77_HPUE_Ant 8	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU11	Battery1	25.79	26.30	1.125	-0.03	0.531	0.597
	FR1 n77_Ant 8	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU3	Battery2	22.79	23.30	1.125	-0.02	0.595	0.669
	FR1 n77_Ant 8	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU6	Battery3	22.79	23.30	1.125	-0.08	0.466	0.524
	FR1 n77_Ant 8	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU10	Battery4	22.79	23.30	1.125	-0.09	0.603	0.678
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery1	22.65	23.30	1.161	-0.12	0.568	0.660
	FR1 n77/n78_Ant 8	100M	BPSK	135	69	Front	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery1	22.59	23.30	1.178	0.16	0.543	0.639
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery1	22.65	23.30	1.161	0.11	0.548	0.636
	FR1 n77/n78_Ant 8	100M	BPSK	135	69	Back	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery1	22.59	23.30	1.178	0.01	0.525	0.618
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU9	Battery1	22.65	23.30	1.161	-0.08	0.265	0.308
	FR1 n77/n78_Ant 8	100M	BPSK	135	69	Front	0mm	Brick	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU9	Battery1	22.59	23.30	1.178	-0.06	0.255	0.300
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	641666	3624.99	SKU9	Battery1	22.65	23.30	1.161	-0.05	0.043	0.050
	FR1 n77/n78_Ant 8	100M	BPSK	135	69	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	641666	3624.99	SKU9	Battery1	22.59	23.30	1.178	-0.09	0.038	0.045
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery2	22.65	23.30	1.161	-0.08	0.565	0.656
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery3	22.65	23.30	1.161	-0.08	0.562	0.653



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	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery4	22.65	23.30	1.161	0.1	0.559	0.649
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	641666	3624.99	SKU11	Battery1	22.65	23.30	1.161	0.15	0.264	0.307
	FR1 n77/n78_Ant 8	100M	BPSK	135	69	Front	15mm	Gun	DSI 1	WLAN OFF	-	641666	3624.99	SKU11	Battery1	22.59	23.30	1.178	-0.12	0.255	0.300
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU11	Battery1	22.65	23.30	1.161	-0.07	0.610	0.708
	FR1 n77/n78_Ant 8	100M	BPSK	135	69	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU11	Battery1	22.59	23.30	1.178	-0.06	0.589	0.694
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	641666	3624.99	SKU11	Battery1	22.65	23.30	1.161	0.1	0.570	0.662
	FR1 n77/n78_Ant 8	100M	BPSK	135	69	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	641666	3624.99	SKU11	Battery1	22.59	23.30	1.178	-0.19	0.551	0.649
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU3	Battery2	22.65	23.30	1.161	-0.1	0.587	0.682
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU6	Battery3	22.65	23.30	1.161	0.17	0.513	0.596
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU10	Battery4	22.65	23.30	1.161	0.19	0.534	0.620
	FR1 n77_Ant 3	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery1	21.95	22	1.012	-0.03	0.213	0.215
	FR1 n77_Ant 3	100M	BPSK	135	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery1	21.75	22	1.059	0.05	0.190	0.201
	FR1 n77_Ant 3	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery1	21.95	22	1.012	-0.09	0.293	0.296
	FR1 n77_Ant 3	100M	BPSK	135	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery1	21.75	22	1.059	0.04	0.260	0.275
	FR1 n77_Ant 3	100M	BPSK	1	1	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU9	Battery1	21.95	22	1.012	-0.15	0.099	0.100
	FR1 n77_Ant 3	100M	BPSK	135	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU9	Battery1	21.75	22	1.059	0.03	0.085	0.090
	FR1 n77_Ant 3	100M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	656000	3840	SKU9	Battery1	21.95	22	1.012	0.16	0.266	0.269
	FR1 n77_Ant 3	100M	BPSK	135	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	656000	3840	SKU9	Battery1	21.75	22	1.059	-0.1	0.240	0.254
	FR1 n77_Ant 3	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery2	21.95	22	1.012	-0.15	0.290	0.293
	FR1 n77_Ant 3	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery3	21.95	22	1.012	-0.15	0.285	0.288
	FR1 n77_Ant 3	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery4	21.95	22	1.012	0.11	0.289	0.292
	FR1 n77_Ant 3	100M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	656000	3840	SKU11	Battery1	21.95	22	1.012	0.12	0.119	0.120
	FR1 n77_Ant 3	100M	BPSK	135	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	656000	3840	SKU11	Battery1	21.75	22	1.059	-0.16	0.107	0.113
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU11	Battery1	21.95	22	1.012	0.19	0.353	0.357
	FR1 n77_Ant 3	100M	BPSK	135	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU11	Battery1	21.75	22	1.059	-0.02	0.318	0.337
	FR1 n77_Ant 3	100M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	656000	3840	SKU11	Battery1	21.95	22	1.012	0.14	0.308	0.312
	FR1 n77_Ant 3	100M	BPSK	135	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	656000	3840	SKU11	Battery1	21.75	22	1.059	0.1	0.278	0.294
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU3	Battery2	21.95	22	1.012	-0.17	0.437	0.442
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU6	Battery3	21.95	22	1.012	-0.01	0.373	0.377
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU10	Battery4	21.95	22	1.012	0.11	0.404	0.409
	FR1 n77_Ant 3	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery1	21.93	22	1.016	0.01	0.143	0.145
	FR1 n77_Ant 3	100M	BPSK	135	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery1	21.76	22	1.057	-0.05	0.130	0.137
	FR1 n77_Ant 3	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery1	21.93	22	1.016	-0.08	0.447	0.454
	FR1 n77_Ant 3	100M	BPSK	135	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery1	21.76	22	1.057	-0.04	0.405	0.428
	FR1 n77_Ant 3	100M	BPSK	1	1	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU9	Battery1	21.93	22	1.016	-0.04	0.172	0.175
	FR1 n77_Ant 3	100M	BPSK	135	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU9	Battery1	21.76	22	1.057	-0.09	0.152	0.161
	FR1 n77_Ant 3	100M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	633332	3499.98	SKU9	Battery1	21.93	22	1.016	-0.13	0.134	0.136
	FR1 n77_Ant 3	100M	BPSK	135	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	633332	3499.98	SKU9	Battery1	21.76	22	1.057	0.03	0.121	0.128
	FR1 n77_Ant 3	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery2	21.93	22	1.016	0.12	0.418	0.425
	FR1 n77_Ant 3	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery3	21.93	22	1.016	0.08	0.421	0.428
	FR1 n77_Ant 3	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery4	21.93	22	1.016	0.06	0.415	0.422
	FR1 n77_Ant 3	100M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	633332	3499.98	SKU11	Battery1	21.93	22	1.016	0.07	0.064	0.065
	FR1 n77_Ant 3	100M	BPSK	135	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	633332	3499.98	SKU11	Battery1	21.76	22	1.057	-0.16	0.061	0.064
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU11	Battery1	21.93	22	1.016	0.12	0.151	0.153
	FR1 n77_Ant 3	100M	BPSK	135	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU11	Battery1	21.76	22	1.057	0.15	0.142	0.150
	FR1 n77_Ant 3	100M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	633332	3499.98	SKU11	Battery1	21.93	22	1.016	0.16	0.140	0.142
	FR1 n77_Ant 3	100M	BPSK	135	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	633332	3499.98	SKU11	Battery1	21.76	22	1.057	-0.15	0.130	0.137
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU3	Battery2	21.93	22	1.016	-0.04	0.221	0.225



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	FR1 n77_Ant 3	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU6	Battery3	21.93	22	1.016	-0.01	0.174	0.177
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU10	Battery4	21.93	22	1.016	0.15	0.169	0.172
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery1	20.35	20.4	1.012	0.04	0.089	0.090
	FR1 n77/n78_Ant 3	100M	BPSK	135	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery1	20.12	20.4	1.067	0.15	0.080	0.085
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery1	20.35	20.4	1.012	-0.09	0.392	0.397
	FR1 n77/n78_Ant 3	100M	BPSK	135	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery1	20.12	20.4	1.067	-0.1	0.370	0.395
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU9	Battery1	20.35	20.4	1.012	-0.15	0.095	0.096
	FR1 n77/n78_Ant 3	100M	BPSK	135	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU9	Battery1	20.12	20.4	1.067	0.13	0.082	0.087
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	641666	3624.99	SKU9	Battery1	20.35	20.4	1.012	0.06	0.084	0.085
	FR1 n77/n78_Ant 3	100M	BPSK	135	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	641666	3624.99	SKU9	Battery1	20.12	20.4	1.067	-0.02	0.071	0.076
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery2	20.35	20.4	1.012	-0.08	0.390	0.395
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery3	20.35	20.4	1.012	-0.17	0.385	0.389
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery4	20.35	20.4	1.012	-0.08	0.388	0.392
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	641666	3624.99	SKU11	Battery1	20.35	20.4	1.012	0.1	0.062	0.063
	FR1 n77/n78_Ant 3	100M	BPSK	135	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	641666	3624.99	SKU11	Battery1	20.12	20.4	1.067	0.1	0.055	0.059
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU11	Battery1	20.35	20.4	1.012	-0.1	0.188	0.190
	FR1 n77/n78_Ant 3	100M	BPSK	135	0	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU11	Battery1	20.12	20.4	1.067	0.13	0.177	0.189
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	641666	3624.99	SKU11	Battery1	20.35	20.4	1.012	0.16	0.138	0.140
	FR1 n77/n78_Ant 3	100M	BPSK	135	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	641666	3624.99	SKU11	Battery1	20.12	20.4	1.067	-0.04	0.130	0.139
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU3	Battery2	20.35	20.4	1.012	-0.06	0.210	0.212
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU6	Battery3	20.35	20.4	1.012	-0.15	0.217	0.220
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Left Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU10	Battery4	20.35	20.4	1.012	-0.15	0.233	0.236
	FR1 n77_Ant 4	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery1	19.01	19.2	1.045	0.08	0.098	0.102
	FR1 n77_Ant 4	100M	BPSK	135	69	Front	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery1	18.88	19.2	1.076	-0.11	0.094	0.101
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery1	19.01	19.2	1.045	-0.01	0.749	0.782
	FR1 n77_Ant 4	100M	BPSK	135	69	Back	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery1	18.88	19.2	1.076	-0.12	0.722	0.777
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU9	Battery1	19.01	19.2	1.045	-0.03	0.136	0.142
	FR1 n77_Ant 4	100M	BPSK	135	69	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU9	Battery1	18.88	19.2	1.076	-0.16	0.121	0.130
	FR1 n77_Ant 4	100M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	656000	3840	SKU9	Battery1	19.01	19.2	1.045	0.19	0.071	0.074
	FR1 n77_Ant 4	100M	BPSK	135	69	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	656000	3840	SKU9	Battery1	18.88	19.2	1.076	-0.02	0.058	0.062
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery2	19.01	19.2	1.045	0.15	0.733	0.766
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery3	19.01	19.2	1.045	-0.09	0.725	0.757
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	656000	3840	SKU9	Battery4	19.01	19.2	1.045	0.11	0.742	0.775
	FR1 n77_Ant 4	100M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	656000	3840	SKU11	Battery1	19.01	19.2	1.045	0.08	0.043	0.045
	FR1 n77_Ant 4	100M	BPSK	135	69	Front	15mm	Gun	DSI 1	WLAN OFF	-	656000	3840	SKU11	Battery1	18.88	19.2	1.076	-0.05	0.037	0.040
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU11	Battery1	19.01	19.2	1.045	-0.06	0.187	0.195
	FR1 n77_Ant 4	100M	BPSK	135	69	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU11	Battery1	18.88	19.2	1.076	-0.08	0.180	0.194
	FR1 n77_Ant 4	100M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	656000	3840	SKU11	Battery1	19.01	19.2	1.045	0.17	0.058	0.061
	FR1 n77_Ant 4	100M	BPSK	135	69	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	656000	3840	SKU11	Battery1	18.88	19.2	1.076	0.16	0.054	0.058
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU3	Battery2	19.01	19.2	1.045	0.05	0.222	0.232
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU6	Battery3	19.01	19.2	1.045	0.13	0.232	0.242
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU10	Battery4	19.01	19.2	1.045	0.04	0.202	0.211
	FR1 n77_Ant 4	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery1	19.15	19.2	1.012	-0.15	0.127	0.128
	FR1 n77_Ant 4	100M	BPSK	135	69	Front	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery1	19.11	19.2	1.021	0.08	0.105	0.107
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery1	19.15	19.2	1.012	-0.07	0.374	0.378
	FR1 n77_Ant 4	100M	BPSK	135	69	Back	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery1	19.11	19.2	1.021	0.01	0.365	0.373
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU9	Battery1	19.15	19.2	1.012	0.16	0.102	0.103
	FR1 n77_Ant 4	100M	BPSK	135	69	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU9	Battery1	19.11	19.2	1.021	0.03	0.095	0.097



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	FR1 n77_Ant 4	100M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	633332	3499.98	SKU9	Battery1	19.15	19.2	1.012	0.01	0.053	0.054
	FR1 n77_Ant 4	100M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	633332	3499.98	SKU9	Battery1	19.15	19.2	1.012	-0.08	0.042	0.042
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery2	19.15	19.2	1.012	-0.01	0.335	0.339
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery3	19.15	19.2	1.012	0.1	0.346	0.350
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	633332	3499.98	SKU9	Battery4	19.15	19.2	1.012	-0.18	0.363	0.367
	FR1 n77_Ant 4	100M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	633332	3499.98	SKU11	Battery1	19.15	19.2	1.012	0.05	0.029	0.029
	FR1 n77_Ant 4	100M	BPSK	135	69	Front	15mm	Gun	DSI 1	WLAN OFF	-	633332	3499.98	SKU11	Battery1	19.11	19.2	1.021	0.1	0.020	0.020
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU11	Battery1	19.15	19.2	1.012	0.18	0.139	0.141
	FR1 n77_Ant 4	100M	BPSK	135	69	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU11	Battery1	19.11	19.2	1.021	0.12	0.124	0.127
	FR1 n77_Ant 4	100M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	633332	3499.98	SKU11	Battery1	19.15	19.2	1.012	-0.15	0.046	0.047
	FR1 n77_Ant 4	100M	BPSK	135	69	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	633332	3499.98	SKU11	Battery1	19.11	19.2	1.021	0.08	0.041	0.042
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU3	Battery2	19.15	19.2	1.012	0.15	0.143	0.145
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU6	Battery3	19.15	19.2	1.012	-0.04	0.187	0.189
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	633332	3499.98	SKU10	Battery4	19.15	19.2	1.012	-0.05	0.145	0.147
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Front	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery1	19.14	18.95	0.957	0.1	0.114	0.109
	FR1 n77/n78_Ant 4	100M	BPSK	135	0	Front	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery1	18.97	19.2	1.054	-0.17	0.088	0.093
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery1	19.14	18.95	0.957	0.14	0.340	0.325
	FR1 n77/n78_Ant 4	100M	BPSK	135	0	Back	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery1	18.97	19.2	1.054	-0.03	0.301	0.317
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU9	Battery1	19.14	18.95	0.957	-0.07	0.079	0.076
	FR1 n77/n78_Ant 4	100M	BPSK	135	0	Back	0mm	Brick	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU9	Battery1	18.97	19.2	1.054	0.14	0.051	0.054
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	641666	3624.99	SKU9	Battery1	19.14	18.95	0.957	0.14	0.053	0.051
	FR1 n77/n78_Ant 4	100M	BPSK	135	0	Front	0mm	Brick	DSI 1	WLAN OFF	Rigid holster	641666	3624.99	SKU9	Battery1	18.97	19.2	1.054	0.11	0.042	0.044
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery2	19.14	19.2	1.014	-0.05	0.304	0.308
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery3	19.14	19.2	1.014	0.18	0.318	0.322
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Back	5mm	Brick	DSI 1	WLAN OFF	-	641666	3624.99	SKU9	Battery4	19.14	19.2	1.014	0.14	0.320	0.324
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Front	15mm	Gun	DSI 1	WLAN OFF	-	641666	3624.99	SKU11	Battery1	19.14	19.2	1.014	0.08	0.055	0.056
	FR1 n77/n78_Ant 4	100M	BPSK	135	0	Front	15mm	Gun	DSI 1	WLAN OFF	-	641666	3624.99	SKU11	Battery1	18.97	19.2	1.054	-0.17	0.042	0.044
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU11	Battery1	19.14	19.2	1.014	0.05	0.249	0.252
	FR1 n77/n78_Ant 4	100M	BPSK	135	0	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU11	Battery1	18.97	19.2	1.054	0.17	0.213	0.225
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	641666	3624.99	SKU11	Battery1	19.14	19.2	1.014	-0.07	0.077	0.078
	FR1 n77/n78_Ant 4	100M	BPSK	135	0	Front	0mm	Gun	DSI 1	WLAN OFF	Rigid holster	641666	3624.99	SKU11	Battery1	18.97	19.2	1.054	-0.05	0.055	0.058
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU3	Battery2	19.14	19.2	1.014	0.02	0.221	0.224
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU6	Battery3	19.14	19.2	1.014	-0.05	0.250	0.253
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	641666	3624.99	SKU10	Battery4	19.14	19.2	1.014	0.04	0.220	0.223



<WLAN SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Brick / Gun Type	Power State	Holster	Ch.	Freq. (MHz)	SKU	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)
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 6	Brick	Set 2 Non-DBS	-	1	2412	SKU 9	Battery1	17.88	19.00	1.294	98.35	1.017	0.08	0.131	0.172
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	Brick	Set 2 Non-DBS	-	1	2412	SKU 9	Battery1	17.88	19.00	1.294	98.35	1.017	0.01	0.248	0.326
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 6	Brick	Set 2 Non-DBS	Soft holster	1	2412	SKU 9	Battery1	17.88	19.00	1.294	98.35	1.017	0.03	0.040	0.053
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6	Brick	Set 2 Non-DBS	Soft holster	1	2412	SKU 9	Battery1	17.88	19.00	1.294	98.35	1.017	0.15	0.458	0.603
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 6	Brick	Set 2 Non-DBS	Rigid holster	1	2412	SKU 9	Battery1	17.88	19.00	1.294	98.35	1.017	0.1	0.057	0.075
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6	Brick	Set 2 Non-DBS	Soft holster	1	2412	SKU 9	Battery2	17.88	19.00	1.294	98.35	1.017	0.14	0.398	0.524
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6	Brick	Set 2 Non-DBS	Soft holster	1	2412	SKU 9	Battery3	17.88	19.00	1.294	98.35	1.017	0.06	0.358	0.471
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6	Brick	Set 2 Non-DBS	Soft holster	1	2412	SKU 9	Battery4	17.88	19.00	1.294	98.35	1.017	-0.15	0.362	0.476
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 6	Gun	Set 2 Non-DBS	-	1	2412	SKU 11	Battery1	17.88	19.00	1.294	98.35	1.017	-0.18	0.060	0.079
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 6	Gun	Set 2 Non-DBS	Soft holster	1	2412	SKU 11	Battery1	17.88	19.00	1.294	98.35	1.017	0.16	0.315	0.415
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 6	Gun	Set 2 Non-DBS	Rigid holster	1	2412	SKU 11	Battery1	17.88	19.00	1.294	98.35	1.017	0.1	0.053	0.070
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 6	Gun	Set 2 Non-DBS	Soft holster	1	2412	SKU 10	Battery2	17.88	19.00	1.294	98.35	1.017	-0.17	0.219	0.288
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 6	Gun	Set 2 Non-DBS	Soft holster	1	2412	SKU 3	Battery3	17.88	19.00	1.294	98.35	1.017	-0.03	0.202	0.266
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 6	Gun	Set 2 Non-DBS	Soft holster	1	2412	SKU 6	Battery4	17.88	19.00	1.294	98.35	1.017	0.14	0.214	0.282
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 7	Brick	Set 2 Non-DBS	-	11	2462	SKU 9	Battery1	18.19	19.00	1.205	97.9	1.021	0.11	0.112	0.138
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 7	Brick	Set 2 Non-DBS	-	11	2462	SKU 9	Battery1	18.19	19.00	1.205	97.9	1.021	0.09	0.176	0.217
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 7	Brick	Set 2 Non-DBS	Soft holster	11	2462	SKU 9	Battery1	18.19	19.00	1.205	97.9	1.021	0.14	0.083	0.102
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 7	Brick	Set 2 Non-DBS	Soft holster	11	2462	SKU 9	Battery1	18.19	19.00	1.205	97.9	1.021	-0.17	0.050	0.062
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 7	Brick	Set 2 Non-DBS	Rigid holster	11	2462	SKU 9	Battery1	18.19	19.00	1.205	97.9	1.021	0.17	0.129	0.159
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 7	Brick	Set 2 Non-DBS	-	11	2462	SKU 9	Battery2	18.19	19.00	1.205	97.9	1.021	0.18	0.169	0.208
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 7	Brick	Set 2 Non-DBS	-	11	2462	SKU 9	Battery3	18.19	19.00	1.205	97.9	1.021	0.09	0.163	0.201
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 7	Brick	Set 2 Non-DBS	-	11	2462	SKU 9	Battery4	18.19	19.00	1.205	97.9	1.021	-0.04	0.170	0.209
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 7	Gun	Set 2 Non-DBS	-	11	2462	SKU 11	Battery1	18.19	19.00	1.205	97.9	1.021	-0.05	0.021	0.026
	WLAN2.4GHz	802.11b 1Mbps	Left Side	0mm	Ant 7	Gun	Set 2 Non-DBS	Soft holster	11	2462	SKU 11	Battery1	18.19	19.00	1.205	97.9	1.021	0.01	0.069	0.085
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 7	Gun	Set 2 Non-DBS	Rigid holster	11	2462	SKU 11	Battery1	18.19	19.00	1.205	97.9	1.021	0.12	0.119	0.146
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 7	Gun	Set 2 Non-DBS	Rigid holster	11	2462	SKU 10	Battery2	18.19	19.00	1.205	97.9	1.021	0.04	0.083	0.102
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 7	Gun	Set 2 Non-DBS	Rigid holster	11	2462	SKU 3	Battery3	18.19	19.00	1.205	97.9	1.021	-0.01	0.076	0.094
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 7	Gun	Set 2 Non-DBS	Rigid holster	11	2462	SKU 6	Battery4	18.19	19.00	1.205	97.9	1.021	-0.08	0.081	0.100
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 6+7(6)	Brick	Set 2 Non-DBS	-	1	2412	SKU 9	Battery1	17.88	19.00	1.294	98.05	1.020	0	0.142	0.187
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6+7(6)	Brick	Set 2 Non-DBS	-	1	2412	SKU 9	Battery1	17.88	19.00	1.294	98.05	1.020	-0.15	0.270	0.356
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 6+7(6)	Brick	Set 2 Non-DBS	Soft holster	1	2412	SKU 9	Battery1	17.88	19.00	1.294	98.05	1.020	0.09	0.129	0.170
57	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6+7(6)	Brick	Set 2 Non-DBS	Soft holster	1	2412	SKU 9	Battery1	17.88	19.00	1.294	98.05	1.020	0.04	0.553	0.730
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 6+7(6)	Brick	Set 2 Non-DBS	Rigid holster	1	2412	SKU 9	Battery1	17.88	19.00	1.294	98.05	1.020	0.07	0.219	0.289
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6+7(6)	Brick	Set 2 Non-DBS	Soft holster	1	2412	SKU 9	Battery2	17.88	19.00	1.294	98.05	1.020	-0.1	0.529	0.698
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6+7(6)	Brick	Set 2 Non-DBS	Soft holster	1	2412	SKU 9	Battery3	17.88	19.00	1.294	98.05	1.020	-0.06	0.533	0.704
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6+7(6)	Brick	Set 2 Non-DBS	Soft holster	1	2412	SKU 9	Battery4	17.88	19.00	1.294	98.05	1.020	0.1	0.518	0.684
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 6+7(6)	Gun	Set 2 Non-DBS	-	1	2412	SKU 11	Battery1	17.88	19.00	1.294	98.05	1.020	0.05	0.125	0.165
	WLAN2.4GHz	802.11b 1Mbps	Left Side	0mm	Ant 6+7(6)	Gun	Set 2 Non-DBS	Soft holster	1	2412	SKU 11	Battery1	17.88	19.00	1.294	98.05	1.020	0.06	0.172	0.227
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 6+7(6)	Gun	Set 2 Non-DBS	Rigid holster	1	2412	SKU 11	Battery1	17.88	19.00	1.294	98.05	1.020	-0.08	0.372	0.491
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 6+7(6)	Gun	Set 2 Non-DBS	Soft holster	1	2412	SKU 11	Battery1	17.88	19.00	1.294	98.05	1.020	0.1	0.460	0.607
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 6+7(6)	Gun	Set 2 Non-DBS	Soft holster	1	2412	SKU 10	Battery2	17.88	19.00	1.294	98.05	1.020	0.03	0.319	0.421
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 6+7(6)	Gun	Set 2 Non-DBS	Soft holster	1	2412	SKU 3	Battery3	17.88	19.00	1.294	98.05	1.020	0.18	0.295	0.389
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 6+7(6)	Gun	Set 2 Non-DBS	Soft holster	1	2412	SKU 6	Battery4	17.88	19.00	1.294	98.05	1.020	0.16	0.313	0.413
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	-	58	5290	SKU 9	Battery1	16.78	17.00	1.052	99.63	1.004	-0.03	0.473	0.500
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	-	58	5290	SKU 9	Battery1	16.78	17.00	1.052	99.63	1.004	0	0.322	0.340
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	Soft holster	58	5290	SKU 9	Battery1	16.78	17.00	1.052	99.63	1.004	0.03	0.131	0.138
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	Soft holster	58	5290	SKU 9	Battery1	16.78	17.00	1.052	99.63	1.004	-0.05	0.099	0.105
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	Rigid holster	58	5290	SKU 9	Battery1	16.78	17.00	1.052	99.63	1.004	0.06	0.132	0.139
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	-	58	5290	SKU 9	Battery2	16.78	17.00	1.052	99.63	1.004	0.1	0.442	0.467
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	-	58	5290	SKU 9	Battery3	16.78	17.00	1.052	99.63	1.004	-0.1	0.450	0.475
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	-	58	5290	SKU 9	Battery4	16.78	17.00	1.052	99.63	1.004	-0.15	0.419	0.443

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	WLAN5GHz	802.11ac-VHT160 MCS0	Front	5mm	Ant 6+7(7)	Brick	Set 2 DBS	-	50	5250	SKU 9	Battery1	14.79	15.00	1.050	99.51	1.005	-0.02	0.314	0.331
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	-	58	5290	SKU 11	Battery1	16.78	17.00	1.052	99.63	1.004	0.1	0.305	0.322
58	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Soft holster	58	5290	SKU 11	Battery1	16.78	17.00	1.052	99.63	1.004	-0.07	0.702	0.741
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Soft holster	58	5290	SKU 11	Battery1	16.78	17.00	1.052	99.63	1.004	0	0.158	0.167
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Rigid holster	58	5290	SKU 11	Battery1	16.78	17.00	1.052	99.63	1.004	-0.06	0.117	0.124
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Soft holster	58	5290	SKU 10	Battery2	16.78	17.00	1.052	99.63	1.004	0.02	0.420	0.444
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Soft holster	58	5290	SKU 3	Battery3	16.78	17.00	1.052	99.63	1.004	-0.09	0.380	0.401
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Soft holster	58	5290	SKU 6	Battery4	16.78	17.00	1.052	99.63	1.004	-0.06	0.532	0.562
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	-	122	5610	SKU 9	Battery1	15.95	16.50	1.135	99.63	1.004	0.01	0.405	0.462
59	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	-	122	5610	SKU 9	Battery1	15.95	16.50	1.135	99.63	1.004	0.02	0.647	0.737
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	Soft holster	122	5610	SKU 9	Battery1	15.95	16.50	1.135	99.63	1.004	0.06	0.105	0.120
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	Soft holster	122	5610	SKU 9	Battery1	15.95	16.50	1.135	99.63	1.004	0.08	0.201	0.229
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	Rigid holster	122	5610	SKU 9	Battery1	15.95	16.50	1.135	99.63	1.004	0.1	0.103	0.117
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	-	122	5610	SKU 9	Battery2	15.95	16.50	1.135	99.63	1.004	0.01	0.621	0.708
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	-	122	5610	SKU 9	Battery3	15.95	16.50	1.135	99.63	1.004	-0.02	0.609	0.694
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	-	122	5610	SKU 9	Battery4	15.95	16.50	1.135	99.63	1.004	-0.17	0.638	0.727
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	5mm	Ant 6+7(7)	Brick	Set 2 DBS	-	114	5570	SKU 9	Battery1	11.38	12.00	1.153	99.51	1.005	0.04	0.219	0.254
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 6+7(7)		Set 2 Non-DBS	-	122	5610	SKU 11	Battery1	15.95	16.50	1.135	99.63	1.004	-0.04	0.224	0.255
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Soft holster	122	5610	SKU 11	Battery1	15.95	16.50	1.135	99.63	1.004	-0.02	0.444	0.506
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Soft holster	122	5610	SKU 11	Battery1	15.95	16.50	1.135	99.63	1.004	0.09	0.169	0.193
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Rigid holster	122	5610	SKU 11	Battery1	15.95	16.50	1.135	99.63	1.004	-0.03	0.097	0.111
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Soft holster	122	5610	SKU 10	Battery2	15.95	16.50	1.135	99.63	1.004	0.05	0.325	0.370
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Soft holster	122	5610	SKU 3	Battery3	15.95	16.50	1.135	99.63	1.004	-0.14	0.295	0.336
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Soft holster	122	5610	SKU 6	Battery4	15.95	16.50	1.135	99.63	1.004	0.1	0.390	0.444
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	-	155	5775	SKU 9	Battery1	16.04	16.50	1.112	99.63	1.004	-0.05	0.382	0.426
60	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	-	155	5775	SKU 9	Battery1	16.04	16.50	1.112	99.63	1.004	-0.05	0.668	0.746
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	Soft holster	155	5775	SKU 9	Battery1	16.04	16.50	1.112	99.63	1.004	0.04	0.073	0.081
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	Soft holster	155	5775	SKU 9	Battery1	16.04	16.50	1.112	99.63	1.004	0.08	0.213	0.238
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	Rigid holster	155	5775	SKU 9	Battery1	16.04	16.50	1.112	99.63	1.004	0.04	0.089	0.099
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	-	155	5775	SKU 9	Battery2	16.04	16.50	1.112	99.63	1.004	-0.04	0.645	0.720
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	-	155	5775	SKU 9	Battery3	16.04	16.50	1.112	99.63	1.004	-0.11	0.619	0.691
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	-	155	5775	SKU 9	Battery4	16.04	16.50	1.112	99.63	1.004	-0.17	0.633	0.707
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6+7(7)	Brick	Set 2 DBS	-	155	5775	SKU 9	Battery1	12.76	13.50	1.186	99.63	1.004	-0.01	0.290	0.345
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	-	155	5775	SKU 11	Battery1	16.04	16.50	1.112	99.63	1.004	-0.07	0.217	0.242
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Soft holster	155	5775	SKU 11	Battery1	16.04	16.50	1.112	99.63	1.004	-0.07	0.623	0.695
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Soft holster	155	5775	SKU 11	Battery1	16.04	16.50	1.112	99.63	1.004	0.08	0.226	0.252
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Rigid holster	155	5775	SKU 11	Battery1	16.04	16.50	1.112	99.63	1.004	-0.05	0.096	0.107
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Soft holster	155	5775	SKU 10	Battery2	16.04	16.50	1.112	99.63	1.004	0.06	0.483	0.539
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Soft holster	155	5775	SKU 3	Battery3	16.04	16.50	1.112	99.63	1.004	-0.09	0.488	0.545
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Soft holster	155	5775	SKU 6	Battery4	16.04	16.50	1.112	99.63	1.004	0.04	0.570	0.636



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Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Brick / Gun Type	Power State	Holster	Ch.	Freq. (MHz)	SKU	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)	Measured APD (W/m^2)	Reported APD (W/m^2)
	WLAN6GHz	802.11ax-HE160 MCS0	Front	5mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	-	15	6025	SKU 9	Battery1	11.12	11.50	1.091	99.42	1.006	0.12	0.063	0.069	0.543	0.596
	WLAN6GHz	802.11ax-HE160 MCS0	Back	5mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	-	15	6025	SKU 9	Battery1	11.12	11.50	1.091	99.42	1.006	-0.17	0.134	0.147	1.19	1.307
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	Soft holster	15	6025	SKU 9	Battery1	11.12	11.50	1.091	99.42	1.006	-0.19	0.013	0.014	0.141	0.155
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	Soft holster	15	6025	SKU 9	Battery1	11.12	11.50	1.091	99.42	1.006	0.06	0.061	0.067	0.611	0.671
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	Rigid holster	15	6025	SKU 9	Battery1	11.12	11.50	1.091	99.42	1.006	0.17	0.018	0.020	0.188	0.206
	WLAN6GHz	802.11ax-HE160 MCS0	Back	5mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	-	47	6185	SKU 9	Battery1	10.50	11.50	1.259	99.42	1.006	0.14	0.105	0.133	0.966	1.223
	WLAN6GHz	802.11ax-HE160 MCS0	Back	5mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	-	111	6505	SKU 9	Battery1	8.87	10.00	1.297	99.42	1.006	0.06	0.047	0.061	0.266	0.347
	WLAN6GHz	802.11ax-HE160 MCS0	Back	5mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	-	143	6665	SKU 9	Battery1	8.40	9.50	1.288	99.42	1.006	0.15	0.053	0.069	0.394	0.511
	WLAN6GHz	802.11ax-HE160 MCS0	Back	5mm	Ant 6+7(6)	Brick	Set 2 Non-DBS	-	207	6985	SKU 9	Battery1	10.18	11.00	1.208	99.42	1.006	-0.05	0.076	0.092	0.733	0.891
	WLAN6GHz	802.11ax-HE160 MCS0	Back	5mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	-	15	6025	SKU 9	Battery2	11.12	11.50	1.091	99.42	1.006	0.03	0.124	0.136	1.1	1.208
	WLAN6GHz	802.11ax-HE160 MCS0	Back	5mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	-	15	6025	SKU 9	Battery3	11.12	11.50	1.091	99.42	1.006	0.16	0.119	0.131	1.08	1.186
	WLAN6GHz	802.11ax-HE160 MCS0	Back	5mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	-	15	6025	SKU 9	Battery4	11.12	11.50	1.091	99.42	1.006	-0.04	0.130	0.143	1.12	1.230
	WLAN6GHz	802.11ax-HE160 MCS0	Front	15mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	-	15	6025	SKU 11	Battery1	11.12	11.50	1.091	99.42	1.006	0.01	0.043	0.047	0.362	0.397
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Soft holster	15	6025	SKU 11	Battery1	11.12	11.50	1.091	99.42	1.006	0	0.089	0.098	0.76	0.834
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Soft holster	15	6025	SKU 11	Battery1	11.12	11.50	1.091	99.42	1.006	0.12	0.096	0.105	0.81	0.889
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Rigid holster	15	6025	SKU 11	Battery1	11.12	11.50	1.091	99.42	1.006	-0.1	0.001	0.001	0.001	0.001
61	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Soft holster	47	6185	SKU 11	Battery1	10.50	11.50	1.259	99.42	1.006	0.17	0.146	0.185	1.29	1.634
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Soft holster	111	6505	SKU 11	Battery1	8.87	10.00	1.297	99.42	1.006	-0.17	0.121	0.158	1.05	1.370
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Soft holster	143	6665	SKU 11	Battery1	8.40	9.50	1.288	99.42	1.006	-0.01	0.108	0.140	0.925	1.199
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 6+7(6)	Gun	Set 2 Non-DBS	Soft holster	207	6985	SKU 11	Battery1	10.18	11.00	1.208	99.42	1.006	-0.08	0.133	0.162	1.12	1.361
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Soft holster	47	6185	SKU 10	Battery2	10.50	11.50	1.259	99.42	1.006	0.04	0.135	0.171	1.17	1.482
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Soft holster	47	6185	SKU 3	Battery3	10.50	11.50	1.259	99.42	1.006	0.11	0.142	0.180	1.2	1.520
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	Soft holster	47	6185	SKU 6	Battery4	10.50	11.50	1.259	99.42	1.006	0.18	0.105	0.133	0.922	1.168



<Bluetooth SAR>

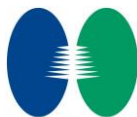
Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Brick / Gun Type	Power State	Holster	Ch.	Freq. (MHz)	SKU	Battery	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	1Mbps	Front	5mm	Ant 6	Brick	Set 2 Non-DBS	-	0	2402	SKU 9	Battery1	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Back	5mm	Ant 6	Brick	Set 2 Non-DBS	-	0	2402	SKU 9	Battery1	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Front	0mm	Ant 6	Brick	Set 2 Non-DBS	Soft holster	0	2402	SKU 9	Battery1	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
62	Bluetooth	1Mbps	Back	0mm	Ant 6	Brick	Set 2 Non-DBS	Soft holster	0	2402	SKU 9	Battery1	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Front	0mm	Ant 6	Brick	Set 2 Non-DBS	Rigid holster	0	2402	SKU 9	Battery1	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Back	0mm	Ant 6	Brick	Set 2 Non-DBS	Soft holster	0	2402	SKU 9	Battery2	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Back	0mm	Ant 6	Brick	Set 2 Non-DBS	Soft holster	0	2402	SKU 9	Battery3	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Back	0mm	Ant 6	Brick	Set 2 Non-DBS	Soft holster	0	2402	SKU 9	Battery4	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Front	15mm	Ant 6	Gun	Set 2 Non-DBS	-	0	2402	SKU 11	Battery1	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Right Side	0mm	Ant 6	Gun	Set 2 Non-DBS	Soft holster	0	2402	SKU 11	Battery1	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Front	0mm	Ant 6	Gun	Set 2 Non-DBS	Rigid holster	0	2402	SKU 11	Battery1	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Right Side	0mm	Ant 6	Gun	Set 2 Non-DBS	Soft holster	0	2402	SKU 10	Battery2	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Right Side	0mm	Ant 6	Gun	Set 2 Non-DBS	Soft holster	0	2402	SKU 3	Battery3	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Right Side	0mm	Ant 6	Gun	Set 2 Non-DBS	Soft holster	0	2402	SKU 6	Battery4	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Front	5mm	Ant 7	Brick	Set 2 Non-DBS	-	39	2441	SKU 9	Battery1	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001
	Bluetooth	1Mbps	Back	5mm	Ant 7	Brick	Set 2 Non-DBS	-	39	2441	SKU 9	Battery1	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001
	Bluetooth	1Mbps	Front	0mm	Ant 7	Brick	Set 2 Non-DBS	Soft holster	39	2441	SKU 9	Battery1	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001
	Bluetooth	1Mbps	Back	0mm	Ant 7	Brick	Set 2 Non-DBS	Soft holster	39	2441	SKU 9	Battery1	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001
	Bluetooth	1Mbps	Front	0mm	Ant 7	Brick	Set 2 Non-DBS	Rigid holster	39	2441	SKU 9	Battery1	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001
	Bluetooth	1Mbps	Back	5mm	Ant 7	Brick	Set 2 Non-DBS	-	39	2441	SKU 9	Battery2	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001
	Bluetooth	1Mbps	Back	5mm	Ant 7	Brick	Set 2 Non-DBS	-	39	2441	SKU 9	Battery3	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001
	Bluetooth	1Mbps	Back	5mm	Ant 7	Brick	Set 2 Non-DBS	-	39	2441	SKU 9	Battery4	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001
	Bluetooth	1Mbps	Front	15mm	Ant 7	Gun	Set 2 Non-DBS	-	39	2441	SKU 11	Battery1	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001
	Bluetooth	1Mbps	Left Side	0mm	Ant 7	Gun	Set 2 Non-DBS	Soft holster	39	2441	SKU 11	Battery1	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001
	Bluetooth	1Mbps	Front	0mm	Ant 7	Gun	Set 2 Non-DBS	Rigid holster	39	2441	SKU 11	Battery1	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001
	Bluetooth	1Mbps	Left Side	0mm	Ant 7	Gun	Set 2 Non-DBS	Soft holster	39	2441	SKU 10	Battery2	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001
	Bluetooth	1Mbps	Left Side	0mm	Ant 7	Gun	Set 2 Non-DBS	Soft holster	39	2441	SKU 3	Battery3	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001
	Bluetooth	1Mbps	Left Side	0mm	Ant 7	Gun	Set 2 Non-DBS	Soft holster	39	2441	SKU 6	Battery4	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001

**13.3 Extremity SAR****<WCDMA SAR>**

Plot No.	Band	Mode	Test Position	Gap (mm)	Brick/Gun Type	Power State	Ch.	Freq. (MHz)	SKU	Battery	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
63	WCDMA II_Ant 1	RMC 12.2Kbps	Back	0mm	Gun	DSI 1	9538	1907.6	SKU11	Battery1	23.50	23.90	1.096	0.09	1.310	1.436
	WCDMA II_Ant 1	RMC 12.2Kbps	Back	0mm	Gun	DSI 1	9538	1907.6	SKU3	Battery2	23.50	23.90	1.096	0.14	0.878	0.963
	WCDMA II_Ant 1	RMC 12.2Kbps	Back	0mm	Gun	DSI 1	9538	1907.6	SKU6	Battery3	23.50	23.90	1.096	0.03	1.190	1.305
	WCDMA II_Ant 1	RMC 12.2Kbps	Back	0mm	Gun	DSI 1	9538	1907.6	SKU10	Battery4	23.50	23.90	1.096	0.01	1.240	1.360
64	WCDMA IV_Ant 1	RMC 12.2Kbps	Back	0mm	Gun	DSI 1	1513	1752.6	SKU11	Battery1	23.10	23.30	1.047	0.15	1.540	1.613
	WCDMA IV_Ant 1	RMC 12.2Kbps	Back	0mm	Gun	DSI 1	1513	1752.6	SKU3	Battery2	23.10	23.30	1.047	0.09	1.500	1.571
	WCDMA IV_Ant 1	RMC 12.2Kbps	Back	0mm	Gun	DSI 1	1513	1752.6	SKU6	Battery3	23.10	23.30	1.047	-0.11	1.360	1.424
	WCDMA IV_Ant 1	RMC 12.2Kbps	Back	0mm	Gun	DSI 1	1513	1752.6	SKU10	Battery4	23.10	23.30	1.047	0.02	1.530	1.602
65	WCDMA V_Ant 1	RMC 12.2Kbps	Back	0mm	Gun	DSI 1	4182	836.4	SKU11	Battery1	24.32	25.00	1.169	-0.16	0.680	0.795
	WCDMA V_Ant 1	RMC 12.2Kbps	Back	0mm	Gun	DSI 1	4182	836.4	SKU3	Battery2	24.32	25.00	1.169	0.15	0.494	0.578
	WCDMA V_Ant 1	RMC 12.2Kbps	Back	0mm	Gun	DSI 1	4182	836.4	SKU6	Battery3	24.32	25.00	1.169	-0.17	0.466	0.545
	WCDMA V_Ant 1	RMC 12.2Kbps	Back	0mm	Gun	DSI 1	4182	836.4	SKU10	Battery4	24.32	25.00	1.169	-0.15	0.451	0.527

<LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Brick/Gun Type	Power State	Ch.	Freq. (MHz)	SKU	Battery	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
66	LTE Band 7_Ant 5	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	21100	2535	SKU11	Battery1	25.50	25.70	1.047	-0.07	0.435	0.456
	LTE Band 7_Ant 5	20M	QPSK	50	0	Back	0mm	Gun	DSI 1	21100	2535	SKU11	Battery1	24.67	24.70	1.007	-0.12	0.360	0.362
	LTE Band 7C_Ant 5	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	21100+20902	2535	SKU11	Battery1	25.30	25.70	1.096	-0.17	0.408	0.447
	LTE Band 7_Ant 5	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	21100	2535	SKU3	Battery2	25.50	25.70	1.047	0.19	0.427	0.447
	LTE Band 7_Ant 5	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	21100	2535	SKU6	Battery3	25.50	25.70	1.047	0.13	0.408	0.427
	LTE Band 7_Ant 5	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	21100	2535	SKU10	Battery4	25.50	25.70	1.047	0.19	0.419	0.439
67	LTE Band 12_Ant 1	10M	QPSK	1	0	Back	0mm	Gun	DSI 1	23095	707.5	SKU11	Battery1	25.49	25.70	1.050	0	0.475	0.499
	LTE Band 12_Ant 1	10M	QPSK	50	0	Back	0mm	Gun	DSI 1	23095	707.5	SKU11	Battery1	24.57	24.70	1.030	-0.16	0.386	0.398
	LTE Band 12_Ant 1	10M	QPSK	1	0	Back	0mm	Gun	DSI 1	23095	707.5	SKU3	Battery2	25.49	25.70	1.050	0.14	0.471	0.494
	LTE Band 12_Ant 1	10M	QPSK	1	0	Back	0mm	Gun	DSI 1	23095	707.5	SKU6	Battery3	25.49	25.70	1.050	0.13	0.443	0.465
	LTE Band 12_Ant 1	10M	QPSK	1	0	Back	0mm	Gun	DSI 1	23095	707.5	SKU10	Battery4	25.49	25.70	1.050	0.19	0.371	0.389
68	LTE Band 13_Ant 1	10M	QPSK	1	0	Back	0mm	Gun	DSI 1	23230	782	SKU11	Battery1	25.51	25.70	1.045	-0.07	0.726	0.758
	LTE Band 13_Ant 1	10M	QPSK	50	0	Back	0mm	Gun	DSI 1	23230	782	SKU11	Battery1	24.47	24.70	1.054	0.03	0.580	0.612
	LTE Band 13_Ant 1	10M	QPSK	1	0	Back	0mm	Gun	DSI 1	23230	782	SKU3	Battery2	25.51	25.70	1.045	0.19	0.707	0.739
	LTE Band 13_Ant 1	10M	QPSK	1	0	Back	0mm	Gun	DSI 1	23230	782	SKU6	Battery3	25.51	25.70	1.045	0.09	0.696	0.727
	LTE Band 13_Ant 1	10M	QPSK	1	0	Back	0mm	Gun	DSI 1	23230	782	SKU10	Battery4	25.51	25.70	1.045	-0.09	0.645	0.674
69	LTE Band 14_Ant 1	10M	QPSK	1	0	Back	0mm	Gun	DSI 1	23330	793	SKU11	Battery1	25.61	25.70	1.021	-0.11	0.714	0.729
	LTE Band 14_Ant 1	10M	QPSK	25	0	Back	0mm	Gun	DSI 1	23330	793	SKU11	Battery1	24.40	24.70	1.072	0.18	0.516	0.553
	LTE Band 14_Ant 1	10M	QPSK	1	0	Back	0mm	Gun	DSI 1	23330	793	SKU3	Battery2	25.61	25.70	1.021	-0.19	0.699	0.714
	LTE Band 14_Ant 1	10M	QPSK	1	0	Back	0mm	Gun	DSI 1	23330	793	SKU6	Battery3	25.61	25.70	1.021	-0.11	0.661	0.675
	LTE Band 14_Ant 1	10M	QPSK	1	0	Back	0mm	Gun	DSI 1	23330	793	SKU10	Battery4	25.61	25.70	1.021	0.17	0.617	0.630
	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	26340	1880	SKU11	Battery1	24.55	24.70	1.035	0.08	1.310	1.356
	LTE Band 25_Ant 1	20M	QPSK	50	0	Back	0mm	Gun	DSI 1	26340	1880	SKU11	Battery1	23.66	23.70	1.009	-0.11	1.057	1.067
	LTE Band 2C_Ant 1	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	18700+18898	1880	SKU6	Battery3	24.42	24.70	1.067	0.01	1.250	1.333
	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	26340	1880	SKU3	Battery2	24.55	24.70	1.035	-0.09	1.200	1.242
70	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	26340	1880	SKU6	Battery3	24.55	24.70	1.035	-0.08	1.590	1.646
	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	26340	1880	SKU10	Battery4	24.55	24.70	1.035	0.19	1.510	1.563
71	LTE Band 26_Ant 1	15M	QPSK	1	0	Back	0mm	Gun	DSI 1	26865	831.5	SKU11	Battery1	25.56	25.70	1.033	-0.03	0.566	0.585
	LTE Band 26_Ant 1	15M	QPSK	36	0	Back	0mm	Gun	DSI 1	26865	831.5	SKU11	Battery1	24.65	24.70	1.012	-0.14	0.458	0.463
	LTE Band 5B_Ant 1	10M	QPSK	1	49	Back	0mm	Gun	DSI 1	20475+20574	831.5	SKU11	Battery1	25.52	25.70	1.042	-0.08	0.482	0.502
	LTE Band 26_Ant 1	15M	QPSK	1	0	Back	0mm	Gun	DSI 1	26865	831.5	SKU3	Battery2	25.56	25.70	1.033	0.16	0.479	0.495
	LTE Band 26_Ant 1	15M	QPSK	1	0	Back	0mm	Gun	DSI 1	26865	831.5	SKU6	Battery3	25.56	25.70	1.033	-0.09	0.396	0.409
	LTE Band 26_Ant 1	15M	QPSK	1	0	Back	0mm	Gun	DSI 1	26865	831.5	SKU10	Battery4	25.56	25.70	1.033	-0.03	0.465	0.480
	LTE Band 30_Ant 5	10M	QPSK	1	0	Back	0mm	Gun	DSI 1	27710	2310	SKU11	Battery1	25.49	25.70	1.050	0.18	0.461	0.484



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	LTE Band 30_Ant 5	10M	QPSK	25	0	Back	0mm	Gun	DSI 1	27710	2310	SKU11	Battery1	24.52	24.70	1.042	-0.15	0.367	0.383
	LTE Band 30_Ant 5	10M	QPSK	1	0	Back	0mm	Gun	DSI 1	27710	2310	SKU3	Battery2	25.49	25.70	1.050	-0.08	0.474	0.497
	LTE Band 30_Ant 5	10M	QPSK	1	0	Back	0mm	Gun	DSI 1	27710	2310	SKU6	Battery3	25.49	25.70	1.050	0.06	0.668	0.701
72	LTE Band 30_Ant 5	10M	QPSK	1	0	Back	0mm	Gun	DSI 1	27710	2310	SKU10	Battery4	25.49	25.70	1.050	-0.16	0.728	0.764
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	132072	1720	SKU11	Battery1	22.40	22.60	1.047	0.18	1.940	2.031
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	132322	1745	SKU11	Battery1	22.31	22.60	1.069	0.15	1.830	1.956
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	132572	1770	SKU11	Battery1	22.15	22.60	1.109	0.11	1.750	1.941
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	0mm	Gun	DSI 1	132072	1720	SKU11	Battery1	21.41	21.60	1.045	0.07	1.541	1.610
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	0mm	Gun	DSI 1	132322	1745	SKU11	Battery1	21.30	21.60	1.072	0.03	1.447	1.550
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	0mm	Gun	DSI 1	132572	1770	SKU11	Battery1	21.25	21.60	1.084	0.16	1.422	1.541
	LTE Band 66_Ant 1	20M	QPSK	100	0	Back	0mm	Gun	DSI 1	132072	1720	SKU11	Battery1	21.38	21.60	1.052	0.17	1.430	1.504
	LTE Band 66B_Ant 1	15M	QPSK	1	0	Back	0mm	Gun	DSI 1	132047+132140	1720	SKU3	Battery2	22.36	22.60	1.057	0.12	1.820	1.923
	LTE Band 66C_Ant 1	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	132072+132270	1720	SKU3	Battery2	22.35	22.60	1.059	0.05	1.800	1.907
73	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	132072	1720	SKU3	Battery2	22.40	22.60	1.047	0.13	2.200	2.304
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	132322	1745	SKU3	Battery2	22.31	22.60	1.069	0.16	2.150	2.298
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	132572	1770	SKU3	Battery2	22.15	22.60	1.109	0.19	2.063	2.288
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	132072	1720	SKU6	Battery3	22.40	22.60	1.047	0.06	2.020	2.115
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	132322	1745	SKU6	Battery3	22.31	22.60	1.069	0.03	2.100	2.245
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	132572	1770	SKU6	Battery3	22.15	22.60	1.109	0.08	2.051	2.275
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	132072	1720	SKU10	Battery4	22.40	22.60	1.047	0.15	2.160	2.262
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	132322	1745	SKU10	Battery4	22.31	22.60	1.069	0.01	2.120	2.266
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	132572	1770	SKU10	Battery4	22.15	22.60	1.109	0.03	2.049	2.273
	LTE Band 71_Ant 1	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	133297	680.5	SKU11	Battery1	24.92	25.00	1.019	0.13	0.264	0.269
	LTE Band 71_Ant 1	20M	QPSK	50	0	Back	0mm	Gun	DSI 1	133297	680.5	SKU11	Battery1	23.87	24.00	1.030	0.15	0.206	0.212
	LTE Band 71_Ant 1	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	133297	680.5	SKU3	Battery2	24.92	25.00	1.019	0.04	0.263	0.268
74	LTE Band 71_Ant 1	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	133297	680.5	SKU6	Battery3	24.92	25.00	1.019	-0.13	0.301	0.307
	LTE Band 71_Ant 1	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	133297	680.5	SKU10	Battery4	24.92	25.00	1.019	0.02	0.283	0.288



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Brick/ Gun Type	Power State	Ch.	Freq. (MHz)	SKU	Battery	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)
	LTE Band 41_Ant 5	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	40620	2593	SKU11	Battery1	24.98	25.00	1.005	62.9	1.006	0.11	0.188	0.190
	LTE Band 41_Ant 5	20M	QPSK	50	0	Back	0mm	Gun	DSI 1	40620	2593	SKU11	Battery1	23.54	24.00	1.112	62.9	1.006	0.02	0.125	0.140
	LTE Band 41C_Ant 5	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	40620+40422	2593	SKU6	Battery3	24.58	25.00	1.102	62.9	1.006	-0.13	0.155	0.172
	LTE Band 41D_Ant 5	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	40620+40422	2593	SKU6	Battery3	24.46	25.00	1.132	62.9	1.006	0.06	0.162	0.185
	LTE Band 41_Ant 5	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	40620	2593	SKU3	Battery2	24.98	25.00	1.005	62.9	1.006	0.04	0.185	0.187
75	LTE Band 41_Ant 5	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	40620	2593	SKU6	Battery3	24.98	25.00	1.005	62.9	1.006	-0.06	0.202	0.204
	LTE Band 41_Ant 5	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	40620	2593	SKU10	Battery4	24.98	25.00	1.005	62.9	1.006	-0.11	0.187	0.189
76	LTE Band 48_Ant 8	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	56640	3690	SKU11	Battery1	24.25	24.30	1.012	62.9	1.006	-0.13	0.343	0.349
	LTE Band 48_Ant 8	20M	QPSK	50	0	Back	0mm	Gun	DSI 1	56640	3690	SKU11	Battery1	23.16	23.30	1.033	62.9	1.006	0.06	0.211	0.219
	LTE Band 48C_Ant 8	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	56640+56442	3690	SKU11	Battery1	24.22	24.30	1.019	62.9	1.006	-0.18	0.321	0.329
	LTE Band 48_Ant 8	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	56640	3690	SKU3	Battery2	24.25	24.30	1.012	62.9	1.006	-0.18	0.339	0.345
	LTE Band 48_Ant 8	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	56640	3690	SKU6	Battery3	24.25	24.30	1.012	62.9	1.006	-0.11	0.335	0.341
	LTE Band 48_Ant 8	20M	QPSK	1	0	Back	0mm	Gun	DSI 1	56640	3690	SKU10	Battery4	24.25	24.30	1.012	62.9	1.006	0.05	0.316	0.322

<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Brick/ Gun Type	Power State	Ch.	Freq. (MHz)	SKU	Battery	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
77	FR1 n7_Ant 5	40M	BPSK	1	1	Back	0mm	Gun	DSI 1	507000	2535	SKU11	Battery1	25.17	25.70	1.130	-0.02	0.819	0.925
	FR1 n7_Ant 5	40M	BPSK	108	0	Back	0mm	Gun	DSI 1	507000	2535	SKU11	Battery1	25.16	25.20	1.009	0.02	0.813	0.821
	FR1 n7_Ant 5	40M	BPSK	1	1	Back	0mm	Gun	DSI 1	507000	2535	SKU3	Battery2	25.17	25.70	1.130	-0.14	0.643	0.726
	FR1 n7_Ant 5	40M	BPSK	1	1	Back	0mm	Gun	DSI 1	507000	2535	SKU6	Battery3	25.17	25.70	1.130	-0.12	0.688	0.777
	FR1 n7_Ant 5	40M	BPSK	1	1	Back	0mm	Gun	DSI 1	507000	2535	SKU10	Battery4	25.17	25.70	1.130	-0.03	0.640	0.723
78	FR1 n12_Ant 1	15M	BPSK	1	1	Back	0mm	Gun	DSI 1	141500	707.5	SKU11	Battery1	25.07	25.70	1.156	-0.18	0.652	0.754
	FR1 n12_Ant 1	15M	BPSK	36	0	Back	0mm	Gun	DSI 1	141500	707.5	SKU11	Battery1	24.90	25.20	1.072	-0.14	0.620	0.664
	FR1 n12_Ant 1	15M	BPSK	1	1	Back	0mm	Gun	DSI 1	141500	707.5	SKU3	Battery2	25.07	25.70	1.156	-0.07	0.598	0.691
	FR1 n12_Ant 1	15M	BPSK	1	1	Back	0mm	Gun	DSI 1	141500	707.5	SKU6	Battery3	25.07	25.70	1.156	0.15	0.631	0.730
	FR1 n12_Ant 1	15M	BPSK	1	1	Back	0mm	Gun	DSI 1	141500	707.5	SKU10	Battery4	25.07	25.70	1.156	-0.18	0.607	0.702
79	FR1 n13_Ant 1	10M	BPSK	1	1	Back	0mm	Gun	DSI 1	156400	782	SKU11	Battery1	25.60	25.70	1.023	-0.09	0.838	0.858
	FR1 n13_Ant 1	10M	BPSK	25	0	Back	0mm	Gun	DSI 1	156400	782	SKU11	Battery1	25.18	25.20	1.005	-0.06	0.715	0.718
	FR1 n13_Ant 1	10M	BPSK	1	1	Back	0mm	Gun	DSI 1	156400	782	SKU3	Battery2	25.60	25.70	1.023	-0.04	0.740	0.757
	FR1 n13_Ant 1	10M	BPSK	1	1	Back	0mm	Gun	DSI 1	156400	782	SKU6	Battery3	25.60	25.70	1.023	0.03	0.725	0.742
	FR1 n13_Ant 1	10M	BPSK	1	1	Back	0mm	Gun	DSI 1	156400	782	SKU10	Battery4	25.60	25.70	1.023	-0.03	0.711	0.728
80	FR1 n14_Ant 1	10M	BPSK	1	1	Back	0mm	Gun	DSI 1	158600	793	SKU11	Battery1	25.69	25.70	1.002	-0.02	0.914	0.916
	FR1 n14_Ant 1	10M	BPSK	25	0	Back	0mm	Gun	DSI 1	158600	793	SKU11	Battery1	25.13	25.20	1.016	0.08	0.803	0.816
	FR1 n14_Ant 1	10M	BPSK	1	1	Back	0mm	Gun	DSI 1	158600	793	SKU3	Battery2	25.69	25.70	1.002	-0.19	0.818	0.820
	FR1 n14_Ant 1	10M	BPSK	1	1	Back	0mm	Gun	DSI 1	158600	793	SKU6	Battery3	25.69	25.70	1.002	-0.06	0.774	0.776
	FR1 n14_Ant 1	10M	BPSK	1	1	Back	0mm	Gun	DSI 1	158600	793	SKU10	Battery4	25.69	25.70	1.002	-0.07	0.751	0.753
81	FR1 n25_Ant 1	40M	BPSK	1	1	Back	0mm	Gun	DSI 1	379000	1895	SKU11	Battery1	23.75	23.90	1.035	-0.01	1.470	1.522
	FR1 n25_Ant 1	40M	BPSK	108	0	Back	0mm	Gun	DSI 1	379000	1895	SKU11	Battery1	23.67	23.90	1.054	0.02	1.420	1.497
	FR1 n25_Ant 1	40M	BPSK	1	1	Back	0mm	Gun	DSI 1	379000	1895	SKU3	Battery2	23.75	23.90	1.035	0.19	1.130	1.170
	FR1 n25_Ant 1	40M	BPSK	1	1	Back	0mm	Gun	DSI 1	379000	1895	SKU6	Battery3	23.75	23.90	1.035	-0.08	1.400	1.449
	FR1 n25_Ant 1	40M	BPSK	1	1	Back	0mm	Gun	DSI 1	379000	1895	SKU10	Battery4	23.75	23.90	1.035	0.02	1.460	1.511
82	FR1 n26_Ant 1	20M	BPSK	1	1	Back	0mm	Gun	DSI 1	166300	831.5	SKU11	Battery1	24.74	25.70	1.247	-0.09	0.838	1.045
	FR1 n26_Ant 1	20M	BPSK	50	0	Back	0mm	Gun	DSI 1	166300	831.5	SKU11	Battery1	24.44	25.70	1.337	-0.06	0.754	1.008
	FR1 n26_Ant 1	20M	BPSK	1	1	Back	0mm	Gun	DSI 1	166300	831.5	SKU3	Battery2	24.74	25.70	1.247	0	0.732	0.913
	FR1 n26_Ant 1	20M	BPSK	1	1	Back	0mm	Gun	DSI 1	166300	831.5	SKU6	Battery3	24.74	25.70	1.247	0.1	0.652	0.813
	FR1 n26_Ant 1	20M	BPSK	1	1	Back	0mm	Gun	DSI 1	166300	831.5	SKU10	Battery4	24.74	25.70	1.247	0.13	0.633	0.790
	FR1 n30_Ant 5	10M	BPSK	1	1	Back	0mm	Gun	DSI 1	462000	2310	SKU11	Battery1	24.97	25.70	1.183	0.15	0.650	0.769
	FR1 n30_Ant 5	10M	BPSK	25	0	Back	0mm	Gun	DSI 1	462000	2310	SKU11	Battery1	24.89	25.20	1.074	0.08	0.618	0.664
	FR1 n30_Ant 5	10M	BPSK	1	1	Back	0mm	Gun	DSI 1	462000	2310	SKU3	Battery2	24.97	25.70	1.183	0.07	0.638	0.755
	FR1 n30_Ant 5	10M	BPSK	1	1	Back	0mm	Gun	DSI 1	462000	2310	SKU6	Battery3	24.97	25.70	1.183	0.08	0.854	1.010



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83	FR1 n30_Ant 5	10M	BPSK	1	1	Back	0mm	Gun	DSI 1	462000	2310	SKU10	Battery4	24.97	25.70	1.183	-0.11	0.993	1.175
84	FR1 n66_Ant 1	40M	BPSK	1	1	Back	0mm	Gun	DSI 1	349000	1745	SKU11	Battery1	22.61	22.80	1.045	-0.19	1.800	1.880
	FR1 n66_Ant 1	40M	BPSK	108	0	Back	0mm	Gun	DSI 1	349000	1745	SKU11	Battery1	22.57	22.80	1.054	0.07	1.650	1.740
	FR1 n66_Ant 1	40M	BPSK	1	1	Back	0mm	Gun	DSI 1	349000	1745	SKU3	Battery2	22.61	22.80	1.045	0.09	1.610	1.682
	FR1 n66_Ant 1	40M	BPSK	1	1	Back	0mm	Gun	DSI 1	349000	1745	SKU6	Battery3	22.61	22.80	1.045	0.11	1.720	1.797
	FR1 n66_Ant 1	40M	BPSK	1	1	Back	0mm	Gun	DSI 1	349000	1745	SKU10	Battery4	22.61	22.80	1.045	0.19	1.790	1.870
85	FR1 n71_Ant 1	20M	BPSK	1	1	Back	0mm	Gun	DSI 1	136100	680.5	SKU11	Battery1	24.30	25.00	1.175	-0.01	0.344	0.404
	FR1 n71_Ant 1	20M	BPSK	50	0	Back	0mm	Gun	DSI 1	136100	680.5	SKU11	Battery1	24.08	25.00	1.236	-0.02	0.297	0.367
	FR1 n71_Ant 1	20M	BPSK	1	1	Back	0mm	Gun	DSI 1	136100	680.5	SKU3	Battery2	24.30	25.00	1.175	-0.18	0.277	0.325
	FR1 n71_Ant 1	20M	BPSK	1	1	Back	0mm	Gun	DSI 1	136100	680.5	SKU6	Battery3	24.30	25.00	1.175	0.07	0.342	0.402
	FR1 n71_Ant 1	20M	BPSK	1	1	Back	0mm	Gun	DSI 1	136100	680.5	SKU10	Battery4	24.30	25.00	1.175	-0.08	0.285	0.335
	FR1 n41_Ant 5	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	518598	2592.99	SKU11	Battery1	25.31	25.70	1.094	-0.12	0.729	0.797
	FR1 n41_Ant 5	100M	BPSK	135	69	Back	0mm	Gun	DSI 1	518598	2592.99	SKU11	Battery1	25.30	25.70	1.096	0.1	0.708	0.776
	FR1 n41_HPUE_Ant 5	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	518598	2592.99	SKU11	Battery1	27.21	27.50	1.069	-0.14	0.614	0.656
	FR1 n41_Ant 5	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	518598	2592.99	SKU3	Battery2	25.31	25.70	1.094	0.02	0.703	0.769
	FR1 n41_Ant 5	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	518598	2592.99	SKU6	Battery3	25.31	25.70	1.094	0.1	0.679	0.743
	FR1 n41_Ant 5	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	518598	2592.99	SKU10	Battery4	25.31	25.70	1.094	-0.17	0.665	0.727
86	FR1 n41_Ant 2	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	518598	2592.99	SKU11	Battery1	22.97	23.00	1.007	-0.01	1.070	1.077
	FR1 n41_Ant 2	100M	BPSK	135	0	Back	0mm	Gun	DSI 1	518598	2592.99	SKU11	Battery1	21.87	22.50	1.156	0.02	0.855	0.988
	FR1 n41_Ant 2	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	518598	2592.99	SKU3	Battery2	22.97	23.00	1.007	0.05	0.823	0.829
	FR1 n41_Ant 2	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	518598	2592.99	SKU6	Battery3	22.97	23.00	1.007	-0.13	1.030	1.037
	FR1 n41_Ant 2	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	518598	2592.99	SKU10	Battery4	22.97	23.00	1.007	-0.1	1.060	1.067
	FR1 n41_Ant 3	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	518598	2592.99	SKU11	Battery1	21.70	22.50	1.202	-0.18	0.106	0.127
	FR1 n41_Ant 3	100M	BPSK	135	0	Back	0mm	Gun	DSI 1	518598	2592.99	SKU11	Battery1	21.68	22.00	1.076	-0.11	0.100	0.108
	FR1 n41_Ant 3	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	518598	2592.99	SKU3	Battery2	21.70	22.50	1.202	-0.08	0.074	0.089
	FR1 n41_Ant 3	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	518598	2592.99	SKU6	Battery3	21.70	22.50	1.202	-0.09	0.105	0.126
	FR1 n41_Ant 3	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	518598	2592.99	SKU10	Battery4	21.70	22.50	1.202	-0.03	0.075	0.090
	FR1 n41_Ant 4	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	518598	2592.99	SKU11	Battery1	20.66	22.50	1.528	0.02	0.209	0.319
	FR1 n41_Ant 4	100M	BPSK	135	69	Back	0mm	Gun	DSI 1	518598	2592.99	SKU11	Battery1	22.40	22.50	1.023	-0.01	0.182	0.186
	FR1 n41_Ant 4	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	518598	2592.99	SKU3	Battery2	20.66	22.50	1.528	0.17	0.161	0.246
	FR1 n41_Ant 4	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	518598	2592.99	SKU6	Battery3	20.66	22.50	1.528	-0.02	0.185	0.283
	FR1 n41_Ant 4	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	518598	2592.99	SKU10	Battery4	20.66	22.50	1.528	0.02	0.181	0.276
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	0mm	Brick	DSI 1	641666	3624.99	SKU9	Battery1	23.66	24.30	1.159	0.02	1.370	1.588
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	0mm	Brick	DSI 1	638000	3570	SKU9	Battery1	23.61	24.30	1.172	0.03	1.320	1.547
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	0mm	Brick	DSI 1	645332	3679.98	SKU9	Battery1	23.57	24.30	1.183	-0.15	1.280	1.514
	FR1 n48_Ant 8	40M	BPSK	50	0	Right Side	0mm	Brick	DSI 1	641666	3624.99	SKU9	Battery1	23.63	24.30	1.167	0.1	1.290	1.505
	FR1 n48_Ant 8	40M	BPSK	50	0	Right Side	0mm	Brick	DSI 1	638000	3570	SKU9	Battery1	23.52	24.30	1.197	-0.15	1.240	1.484
	FR1 n48_Ant 8	40M	BPSK	50	0	Right Side	0mm	Brick	DSI 1	645332	3679.98	SKU9	Battery1	23.53	24.30	1.194	0.11	1.200	1.433
	FR1 n48_Ant 8	40M	BPSK	100	0	Right Side	0mm	Brick	DSI 1	641666	3624.99	SKU9	Battery1	23.55	24.30	1.189	0.08	1.210	1.438
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	0mm	Brick	DSI 1	641666	3624.99	SKU9	Battery2	23.66	24.30	1.159	-0.18	1.250	1.448
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	0mm	Brick	DSI 1	641666	3624.99	SKU9	Battery3	23.66	24.30	1.159	0.1	1.190	1.379
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	0mm	Brick	DSI 1	641666	3624.99	SKU9	Battery4	23.66	24.30	1.159	0.12	1.320	1.530
	FR1 n48_Ant 8	40M	BPSK	1	1	Back	0mm	Gun	DSI 1	641666	3624.99	SKU11	Battery1	23.66	24.30	1.159	-0.02	0.253	0.293
	FR1 n48_Ant 8	40M	BPSK	50	0	Back	0mm	Gun	DSI 1	641666	3624.99	SKU11	Battery1	23.63	24.30	1.167	0.09	0.248	0.289
	FR1 n48_Ant 8	40M	BPSK	1	1	Back	0mm	Gun	DSI 1	641666	3624.99	SKU3	Battery2	23.66	24.30	1.159	0.03	0.206	0.239
	FR1 n48_Ant 8	40M	BPSK	1	1	Back	0mm	Gun	DSI 1	641666	3624.99	SKU6	Battery3	23.66	24.30	1.159	0.01	0.203	0.235
	FR1 n48_Ant 8	40M	BPSK	1	1	Back	0mm	Gun	DSI 1	641666	3624.99	SKU10	Battery4	23.66	24.30	1.159	0.05	0.196	0.227
87	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	641666	3624.99	SKU11	Battery1	23.66	24.30	1.159	-0.18	1.460	1.692
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	638000	3570	SKU11	Battery1	23.61	24.30	1.172	0.15	1.405	1.647
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	645332	3679.98	SKU11	Battery1	23.57	24.30	1.183	0.12	1.420	1.680
	FR1 n48_Ant 8	40M	BPSK	50	0	Right Side	0mm	Gun	DSI 1	641666	3624.99	SKU11	Battery1	23.63	24.30	1.167	-0.17	1.330	1.552
	FR1 n48_Ant 8	40M	BPSK	50	0	Right Side	0mm	Gun	DSI 1	638000	3570	SKU11	Battery1	23.52	24.30	1.197	0.07	1.370	1.640
	FR1 n48_Ant 8	40M	BPSK	50	0	Right Side	0mm	Gun	DSI 1	645332	3679.98	SKU11	Battery1	23.53	24.30	1.194	-0.18	1.390	1.660
	FR1 n48_Ant 8	40M	BPSK	100	0	Right Side	0mm	Gun	DSI 1	641666	3624.99	SKU11	Battery1	23.55	24.30	1.189	0.15	1.400	1.664
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	641666	3624.99	SKU3	Battery2	23.66	24.30	1.159	-0.03	1.390	1.611



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	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	641666	3624.99	SKU3	Battery3	23.66	24.30	1.159	0.14	1.260	1.460
	FR1 n48_Ant 8	40M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	641666	3624.99	SKU10	Battery4	23.66	24.30	1.159	0.11	1.350	1.564
	FR1 n77_Ant 9	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	656000	3840	SKU11	Battery1	21.15	21.50	1.084	0.11	0.220	0.238
	FR1 n77_Ant 9	100M	BPSK	135	0	Back	0mm	Gun	DSI 1	656000	3840	SKU11	Battery1	20.83	21.50	1.167	0.05	0.192	0.224
	FR1 n77_HPUE_Ant 9	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	656000	3840	SKU11	Battery1	24.29	24.50	1.050	0.17	0.222	0.233
	FR1 n77_Ant 9	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	656000	3840	SKU3	Battery2	21.15	21.50	1.084	0.02	0.195	0.211
	FR1 n77_Ant 9	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	656000	3840	SKU6	Battery3	21.15	21.50	1.084	-0.12	0.201	0.218
	FR1 n77_Ant 9	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	656000	3840	SKU10	Battery4	21.15	21.50	1.084	0.11	0.211	0.229
	FR1 n77_Ant 9	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	633332	3499.98	SKU11	Battery1	21.05	21.50	1.109	-0.15	0.265	0.294
	FR1 n77_Ant 9	100M	BPSK	135	0	Back	0mm	Gun	DSI 1	633332	3499.98	SKU11	Battery1	20.89	21.50	1.151	0.13	0.187	0.215
	FR1 n77_HPUE_Ant 9	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	633332	3499.98	SKU11	Battery1	24.25	24.50	1.059	0	0.263	0.279
	FR1 n77_Ant 9	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	633332	3499.98	SKU3	Battery2	21.05	21.50	1.109	0.18	0.188	0.209
	FR1 n77_Ant 9	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	633332	3499.98	SKU6	Battery3	21.05	21.50	1.109	-0.11	0.279	0.309
	FR1 n77_Ant 9	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	633332	3499.98	SKU10	Battery4	21.05	21.50	1.109	-0.19	0.271	0.301
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	641666	3624.99	SKU11	Battery1	21.10	21.50	1.096	0.11	0.137	0.150
	FR1 n77/n78_Ant 9	100M	BPSK	135	0	Back	0mm	Gun	DSI 1	641666	3624.99	SKU11	Battery1	21.00	21.50	1.122	-0.07	0.121	0.136
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	641666	3624.99	SKU3	Battery2	21.10	21.50	1.096	0.15	0.146	0.160
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	641666	3624.99	SKU6	Battery3	21.10	21.50	1.096	-0.12	0.149	0.163
	FR1 n77/n78_Ant 9	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	641666	3624.99	SKU10	Battery4	21.10	21.50	1.096	-0.07	0.137	0.150
	FR1 n77_Ant 8	100M	BPSK	1	1	Right Side	0mm	Brick	DSI 1	656000	3840	SKU9	Battery1	22.92	23.30	1.091	-0.05	1.770	1.932
	FR1 n77_Ant 8	100M	BPSK	135	69	Right Side	0mm	Brick	DSI 1	656000	3840	SKU9	Battery1	22.47	23.30	1.211	0.18	1.560	1.889
	FR1 n77_Ant 8	100M	BPSK	270	0	Right Side	0mm	Brick	DSI 1	656000	3840	SKU9	Battery1	22.34	23.30	1.247	0.18	1.520	1.896
	FR1 n77_HPUE_Ant 8	100M	BPSK	1	1	Right Side	0mm	Brick	DSI 1	656000	3840	SKU9	Battery1	25.70	26.30	1.148	-0.05	1.760	2.021
	FR1 n77_HPUE_Ant 8	100M	BPSK	1	1	Right Side	0mm	Brick	DSI 1	656000	3840	SKU9+2	Battery2	25.70	26.30	1.148	-0.17	1.630	1.871
	FR1 n77_HPUE_Ant 8	100M	BPSK	1	1	Right Side	0mm	Brick	DSI 1	656000	3840	SKU9+3	Battery3	25.70	26.30	1.148	0.17	1.690	1.940
	FR1 n77_HPUE_Ant 8	100M	BPSK	1	1	Right Side	0mm	Brick	DSI 1	656000	3840	SKU9+4	Battery4	25.70	26.30	1.148	-0.05	1.550	1.780
	FR1 n77_Ant 8	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	656000	3840	SKU11	Battery1	22.92	23.30	1.091	-0.19	0.345	0.377
	FR1 n77_Ant 8	100M	BPSK	135	69	Back	0mm	Gun	DSI 1	656000	3840	SKU11	Battery1	22.47	23.30	1.211	0.15	0.330	0.399
	FR1 n77_HPUE_Ant 8	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	656000	3840	SKU11	Battery1	25.70	26.30	1.148	-0.03	0.274	0.315
	FR1 n77_Ant 8	100M	BPSK	135	69	Back	0mm	Gun	DSI 1	656000	3840	SKU3	Battery2	22.47	23.30	1.211	0.02	0.353	0.427
	FR1 n77_Ant 8	100M	BPSK	135	69	Back	0mm	Gun	DSI 1	656000	3840	SKU6	Battery3	22.47	23.30	1.211	0.03	0.370	0.448
	FR1 n77_Ant 8	100M	BPSK	135	69	Back	0mm	Gun	DSI 1	656000	3840	SKU10	Battery4	22.47	23.30	1.211	0.01	0.320	0.387
88	FR1 n77_Ant 8	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	656000	3840	SKU11	Battery1	22.92	23.30	1.091	0.05	1.880	2.052
	FR1 n77_Ant 8	100M	BPSK	135	69	Right Side	0mm	Gun	DSI 1	656000	3840	SKU11	Battery1	22.47	23.30	1.211	0.1	1.590	1.925
	FR1 n77_Ant 8	100M	BPSK	270	0	Right Side	0mm	Gun	DSI 1	656000	3840	SKU11	Battery1	22.34	23.30	1.247	0.06	1.570	1.958
	FR1 n77_HPUE_Ant 8	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	656000	3840	SKU11	Battery1	25.70	26.30	1.148	0.01	1.720	1.975
	FR1 n77_Ant 8	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	656000	3840	SKU3	Battery2	22.92	23.30	1.091	0.04	1.690	1.845
	FR1 n77_Ant 8	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	656000	3840	SKU6	Battery3	22.92	23.30	1.091	-0.13	1.780	1.943
	FR1 n77_Ant 8	100M	BPSK	1	1	Right Side	0mm	Gun	DSI 1	656000	3840	SKU10	Battery4	22.92	23.30	1.091	-0.08	1.700	1.855
	FR1 n77_Ant 8	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	633332	3499.98	SKU11	Battery1	22.79	23.30	1.125	0.11	0.173	0.195
	FR1 n77_Ant 8	100M	BPSK	135	69	Back	0mm	Gun	DSI 1	633332	3499.98	SKU11	Battery1	22.71	23.30	1.146	0	0.165	0.189
	FR1 n77_HPUE_Ant 8	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	633332	3499.98	SKU11	Battery1	25.79	26.30	1.125	-0.11	0.134	0.151
	FR1 n77_Ant 8	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	633332	3499.98	SKU3	Battery2	22.79	23.30	1.125	0.15	0.176	0.198
	FR1 n77_Ant 8	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	633332	3499.98	SKU6	Battery3	22.79	23.30	1.125	0.18	0.199	0.224
	FR1 n77_Ant 8	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	633332	3499.98	SKU10	Battery4	22.79	23.30	1.125	-0.16	0.258	0.290
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Right Side	0mm	Brick	DSI 1	641666	3624.99	SKU9	Battery1	22.65	23.30	1.161	-0.03	1.710	1.986
	FR1 n77/n78_Ant 8	100M	BPSK	135	69	Right Side	0mm	Brick	DSI 1	641666	3624.99	SKU9	Battery1	22.59	23.30	1.178	-0.1	1.650	1.943
	FR1 n77/n78_Ant 8	100M	BPSK	270	0	Right Side	0mm	Brick	DSI 1	641666	3624.99	SKU9	Battery1	22.60	23.30	1.175	0.03	1.600	1.880
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Right Side	0mm	Brick	DSI 1	641666	3624.99	SKU9+2	Battery2	22.65	23.30	1.161	0.01	1.680	1.951
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Right Side	0mm	Brick	DSI 1	641666	3624.99	SKU9+3	Battery3	22.65	23.30	1.161	-0.15	1.678	1.949
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Right Side	0mm	Brick	DSI 1	641666	3624.99	SKU9+4	Battery4	22.65	23.30	1.161	0.19	1.682	1.954
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	641666	3624.99	SKU11	Battery1	22.65	23.30	1.161	0	0.275	0.319
	FR1 n77/n78_Ant 8	100M	BPSK	135	69	Back	0mm	Gun	DSI 1	641666	3624.99	SKU11	Battery1	22.59	23.30	1.178	0.01	0.259	0.305
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	641666	3624.99	SKU3	Battery2	22.65	23.30	1.161	0.03	0.305	0.354
	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	641666	3624.99	SKU6	Battery3	22.65	23.30	1.161	-0.18	0.289	0.336



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	FR1 n77/n78_Ant 8	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	641666	3624.99	SKU10	Battery4	22.65	23.30	1.161	0.18	0.274	0.318
	FR1 n77_Ant 3	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	656000	3840	SKU11	Battery1	21.95	22.00	1.012	-0.18	0.367	0.371
	FR1 n77_Ant 3	100M	BPSK	135	0	Back	0mm	Gun	DSI 1	656000	3840	SKU11	Battery1	21.75	22.00	1.059	0.15	0.332	0.352
	FR1 n77_Ant 3	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	656000	3840	SKU3	Battery2	21.95	22.00	1.012	0.03	0.369	0.373
	FR1 n77_Ant 3	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	656000	3840	SKU6	Battery3	21.95	22.00	1.012	0	0.358	0.362
	FR1 n77_Ant 3	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	656000	3840	SKU10	Battery4	21.95	22.00	1.012	-0.18	0.373	0.377
	FR1 n77_Ant 3	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	633332	3499.98	SKU11	Battery1	21.93	22.00	1.016	0.02	0.278	0.283
	FR1 n77_Ant 3	100M	BPSK	135	0	Back	0mm	Gun	DSI 1	633332	3499.98	SKU11	Battery1	21.76	22.00	1.057	0.01	0.259	0.274
	FR1 n77_Ant 3	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	633332	3499.98	SKU3	Battery2	21.93	22.00	1.016	-0.06	0.351	0.357
	FR1 n77_Ant 3	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	633332	3499.98	SKU6	Battery3	21.93	22.00	1.016	-0.02	0.344	0.350
	FR1 n77_Ant 3	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	633332	3499.98	SKU10	Battery4	21.93	22.00	1.016	0.05	0.290	0.295
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	641666	3624.99	SKU11	Battery1	20.35	20.40	1.012	-0.09	0.241	0.244
	FR1 n77/n78_Ant 3	100M	BPSK	135	0	Back	0mm	Gun	DSI 1	641666	3624.99	SKU11	Battery1	20.12	20.40	1.067	-0.02	0.228	0.243
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	641666	3624.99	SKU3	Battery2	20.35	20.40	1.012	0.16	0.249	0.252
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	641666	3624.99	SKU6	Battery3	20.35	20.40	1.012	-0.1	0.242	0.245
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	641666	3624.99	SKU10	Battery4	20.35	20.40	1.012	-0.06	0.291	0.294
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	656000	3840	SKU11	Battery1	19.01	19.20	1.045	0.19	0.438	0.458
	FR1 n77_Ant 4	100M	BPSK	135	0	Back	0mm	Gun	DSI 1	656000	3840	SKU11	Battery1	18.82	19.20	1.091	0.12	0.411	0.449
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	656000	3840	SKU3	Battery2	19.01	19.20	1.045	0.15	0.441	0.461
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	656000	3840	SKU6	Battery3	19.01	19.20	1.045	0.05	0.506	0.529
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	656000	3840	SKU10	Battery4	19.01	19.20	1.045	-0.07	0.415	0.434
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	633332	3499.98	SKU11	Battery1	19.15	19.20	1.012	-0.06	0.200	0.202
	FR1 n77_Ant 4	100M	BPSK	135	0	Back	0mm	Gun	DSI 1	633332	3499.98	SKU11	Battery1	19.05	19.20	1.035	0.08	0.191	0.198
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	633332	3499.98	SKU3	Battery2	19.15	19.20	1.012	-0.01	0.265	0.268
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	633332	3499.98	SKU6	Battery3	19.15	19.20	1.012	0.03	0.224	0.227
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	633332	3499.98	SKU10	Battery4	19.15	19.20	1.012	0.11	0.253	0.256
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	641666	3624.99	SKU11	Battery1	19.14	19.20	1.014	0	0.322	0.326
	FR1 n77/n78_Ant 4	100M	BPSK	135	0	Back	0mm	Gun	DSI 1	641666	3624.99	SKU11	Battery1	18.97	19.20	1.054	0.09	0.304	0.321
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	641666	3624.99	SKU3	Battery2	19.14	19.20	1.014	0.12	0.413	0.419
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	641666	3624.99	SKU6	Battery3	19.14	19.20	1.014	0.11	0.354	0.359
	FR1 n77/n78_Ant 4	100M	BPSK	1	1	Back	0mm	Gun	DSI 1	641666	3624.99	SKU10	Battery4	19.14	19.20	1.014	-0.09	0.477	0.484



<WLAN SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Brick / Gun Type	Power State	Ch.	Freq. (MHz)	SKU	Battery	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)
89	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6	Gun	Set 2 Non-DBS	1	2412	SKU 11	Battery1	17.88	19.00	1.294	98.05	1.020	-0.09	0.450	0.594
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6	Gun	Set 2 Non-DBS	1	2412	SKU 10	Battery2	17.88	19.00	1.294	98.05	1.020	-0.13	0.336	0.444
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6	Gun	Set 2 Non-DBS	1	2412	SKU 3	Battery3	17.88	19.00	1.294	98.05	1.020	0	0.413	0.545
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6	Gun	Set 2 Non-DBS	1	2412	SKU 6	Battery4	17.88	19.00	1.294	98.05	1.020	-0.11	0.424	0.560
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 7	Gun	Set 2 Non-DBS	11	2462	SKU 11	Battery1	18.19	19.00	1.205	98.05	1.020	-0.05	0.148	0.182
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 7	Gun	Set 2 Non-DBS	11	2462	SKU 10	Battery2	18.19	19.00	1.205	98.05	1.020	-0.08	0.096	0.118
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 7	Gun	Set 2 Non-DBS	11	2462	SKU 3	Battery3	18.19	19.00	1.205	98.05	1.020	0.1	0.101	0.124
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 7	Gun	Set 2 Non-DBS	11	2462	SKU 6	Battery4	18.19	19.00	1.205	98.05	1.020	-0.02	0.107	0.132
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6+7(6)	Gun	Set 2 Non-DBS	1	2412	SKU 11	Battery1	17.88	19.00	1.294	98.05	1.020	0.06	0.396	0.523
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6+7(6)	Gun	Set 2 Non-DBS	1	2412	SKU 10	Battery2	17.88	19.00	1.294	98.05	1.020	-0.13	0.278	0.367
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6+7(6)	Gun	Set 2 Non-DBS	1	2412	SKU 3	Battery3	17.88	19.00	1.294	98.05	1.020	-0.16	0.334	0.441
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6+7(6)	Gun	Set 2 Non-DBS	1	2412	SKU 6	Battery4	17.88	19.00	1.294	98.05	1.020	-0.13	0.372	0.491
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	58	5290	SKU 9	Battery1	16.78	17.00	1.052	99.63	1.004	-0.02	0.218	0.230
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	58	5290	SKU 9	Battery1	16.78	17.00	1.052	99.63	1.004	0.04	0.097	0.102
90	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	58	5290	SKU 9	Battery1	16.78	17.00	1.052	99.63	1.004	-0.07	1.230	1.299
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	58	5290	SKU 9	Battery1	16.78	17.00	1.052	99.63	1.004	-0.08	0.739	0.781
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	58	5290	SKU 9	Battery2	16.78	17.00	1.052	99.63	1.004	0.14	1.130	1.193
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	58	5290	SKU 9	Battery3	16.78	17.00	1.052	99.63	1.004	0.06	1.160	1.225
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	58	5290	SKU 9	Battery4	16.78	17.00	1.052	99.63	1.004	-0.15	1.200	1.267
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	58	5290	SKU 11	Battery1	16.78	17.00	1.052	99.63	1.004	-0.08	0.246	0.260
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	58	5290	SKU 10	Battery2	16.78	17.00	1.052	99.63	1.004	0.07	0.183	0.193
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	58	5290	SKU 3	Battery3	16.78	17.00	1.052	99.63	1.004	-0.06	0.191	0.202
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	58	5290	SKU 6	Battery4	16.78	17.00	1.052	99.63	1.004	-0.16	0.239	0.252
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	122	5610	SKU 9	Battery1	15.95	16.50	1.135	99.63	1.004	-0.11	0.150	0.171
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	122	5610	SKU 9	Battery1	15.95	16.50	1.135	99.63	1.004	0	0.181	0.206
91	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	122	5610	SKU 9	Battery1	15.95	16.50	1.135	99.63	1.004	0.15	1.600	1.823
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	122	5610	SKU 9	Battery1	15.95	16.50	1.135	99.63	1.004	0.04	0.589	0.671
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	122	5610	SKU 9	Battery2	15.95	16.50	1.135	99.63	1.004	0.16	1.460	1.664
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	122	5610	SKU 9	Battery3	15.95	16.50	1.135	99.63	1.004	-0.06	1.490	1.698
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	122	5610	SKU 9	Battery4	15.95	16.50	1.135	99.63	1.004	0.18	1.520	1.732
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	122	5610	SKU 11	Battery1	15.95	16.50	1.135	99.63	1.004	-0.14	0.350	0.399
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	122	5610	SKU 10	Battery2	15.95	16.50	1.135	99.63	1.004	-0.03	0.283	0.322
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	122	5610	SKU 3	Battery3	15.95	16.50	1.135	99.63	1.004	-0.04	0.297	0.338
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	122	5610	SKU 6	Battery4	15.95	16.50	1.135	99.63	1.004	0.04	0.345	0.393
92	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	155	5775	SKU 11	Battery1	16.04	16.50	1.112	99.63	1.004	0.01	0.353	0.394
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	155	5775	SKU 10	Battery2	16.04	16.50	1.112	99.63	1.004	-0.11	0.277	0.309
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	155	5775	SKU 3	Battery3	16.04	16.50	1.112	99.63	1.004	0	0.298	0.333
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	155	5775	SKU 6	Battery4	16.04	16.50	1.112	99.63	1.004	-0.06	0.349	0.390



FCC SAR TEST REPORT

Report No. : FA4O2228B

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Brick / Gun Type	Power State	Ch.	Freq. (MHz)	SKU	Battery	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)	Measured APD (W/m^2)	Reported APD (W/m^2)
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	15	6025	SKU 9	Battery1	11.12	11.50	1.091	99.42	1.006	-0.15	0.034	0.037	0.8	0.878
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	15	6025	SKU 9	Battery1	11.12	11.50	1.091	99.42	1.006	0.06	0.078	0.086	1.83	2.009
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	15	6025	SKU 9	Battery1	11.12	11.50	1.091	99.42	1.006	0.18	0.208	0.228	5.05	5.545
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	15	6025	SKU 9	Battery1	11.12	11.50	1.091	99.42	1.006	-0.07	0.212	0.233	5.12	5.622
93	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	47	6185	SKU 9	Battery1	10.50	11.50	1.259	99.42	1.006	0.02	0.232	0.294	5.46	6.915
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	111	6505	SKU 9	Battery1	8.87	10.00	1.297	99.42	1.006	0.1	0.196	0.256	4.68	6.107
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	143	6665	SKU 9	Battery1	8.40	9.50	1.288	99.42	1.006	-0.12	0.179	0.232	4.28	5.547
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 6+7(6)	Brick	Set 2 Non-DBS	207	6985	SKU 9	Battery1	10.18	11.00	1.208	99.42	1.006	-0.06	0.202	0.245	4.8	5.832
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	47	6185	SKU 9	Battery2	10.50	11.50	1.259	99.42	1.006	0.02	0.208	0.263	4.91	6.218
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	47	6185	SKU 9	Battery3	10.50	11.50	1.259	99.42	1.006	-0.13	0.219	0.277	5.15	6.522
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 6+7(7)	Brick	Set 2 Non-DBS	47	6185	SKU 9	Battery4	10.50	11.50	1.259	99.42	1.006	0.07	0.211	0.267	4.97	6.294
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	15	6025	SKU 11	Battery1	11.12	11.50	1.091	99.42	1.006	-0.06	0.097	0.107	2.15	2.361
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	47	6185	SKU 11	Battery1	10.50	11.50	1.259	99.42	1.006	-0.03	0.082	0.104	1.82	2.305
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	111	6505	SKU 11	Battery1	8.87	10.00	1.297	99.42	1.006	-0.06	0.058	0.076	1.29	1.683
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	143	6665	SKU 11	Battery1	8.40	9.50	1.288	99.42	1.006	0.01	0.055	0.071	1.23	1.594
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 6+7(6)	Gun	Set 2 Non-DBS	207	6985	SKU 11	Battery1	10.18	11.00	1.208	99.42	1.006	0.09	0.080	0.097	1.8	2.187
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	15	6025	SKU 10	Battery2	11.12	11.50	1.091	99.42	1.006	0.13	0.081	0.089	1.89	2.075
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	15	6025	SKU 3	Battery3	11.12	11.50	1.091	99.42	1.006	-0.01	0.087	0.096	2.03	2.229
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 6+7(7)	Gun	Set 2 Non-DBS	15	6025	SKU 6	Battery4	11.12	11.50	1.091	99.42	1.006	0.05	0.089	0.098	2.11	2.317

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Brick / Gun Type	Power State	Ch.	Freq. (MHz)	SKU	Battery	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)
94	Bluetooth	1Mbps	Back	0mm	Ant 6	Gun	Set 2 Non-DBS	0	2402	SKU 11	Battery1	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Back	0mm	Ant 6	Gun	Set 2 Non-DBS	0	2402	SKU 10	Battery2	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Back	0mm	Ant 6	Gun	Set 2 Non-DBS	0	2402	SKU 3	Battery3	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Back	0mm	Ant 6	Gun	Set 2 Non-DBS	0	2402	SKU 6	Battery4	6.33	6.50	1.039	76.93	1.083	0	0.001	0.001
	Bluetooth	1Mbps	Back	0mm	Ant 7	Gun	Set 2 Non-DBS	39	2441	SKU 11	Battery1	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001
	Bluetooth	1Mbps	Back	0mm	Ant 7	Gun	Set 2 Non-DBS	39	2441	SKU 10	Battery2	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001
	Bluetooth	1Mbps	Back	0mm	Ant 7	Gun	Set 2 Non-DBS	39	2441	SKU 3	Battery3	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001
	Bluetooth	1Mbps	Back	0mm	Ant 7	Gun	Set 2 Non-DBS	39	2441	SKU 6	Battery4	4.62	5.00	1.091	76.8	1.085	0	0.001	0.001

<NFC SAR>

Plot No.	Band	Test Position	Gap (mm)	Brick / Gun Type	Freq. (MHz)	SKU	Battery	Power Drift (dB)	Measured 10g SAR (W/kg)
	NFC	Front	0mm	Brick	13.56	SKU 9	Battery1	0	0.001
95	NFC	Back	0mm	Brick	13.56	SKU 9	Battery1	-0.19	0.024
	NFC	Left Side	0mm	Brick	13.56	SKU 9	Battery1	0	0.001
	NFC	Right Side	0mm	Brick	13.56	SKU 9	Battery1	0	0.001
	NFC	Top Side	0mm	Brick	13.56	SKU 9	Battery1	0	0.001
	NFC	Back	0mm	Brick	13.56	SKU 9	Battery2	-0.11	0.018
	NFC	Back	0mm	Brick	13.56	SKU 9	Battery3	0.14	0.016
	NFC	Back	0mm	Brick	13.56	SKU 9	Battery4	0.06	0.020
	NFC	Back	0mm	Gun	13.56	SKU 11	Battery1	0.06	0.012
	NFC	Back	0mm	Gun	13.56	SKU 10	Battery2	0.1	0.008
	NFC	Back	0mm	Gun	13.56	SKU 3	Battery3	-0.11	0.010
	NFC	Back	0mm	Gun	13.56	SKU 6	Battery4	0.18	0.011

**13.4 6GHz PD SAR Result**

Band	Mode	Test Position	Gap (mm)	Antenna	Holster	SKU	Battery	Brick / Gun Type	Ch.	Freq. (MHz)	Average Power (dBm)	Grid Step (A)	iPDn	iPD ratio (≥ -1)	Normal psPD (W/m ²)	Total psPD (W/m ²)
WLAN6GHz	802.11ax-HE160 MCS0	Left Side	2mm	Ant 6+7(7)	-	SKU9	Battery1	Brick	15	6025	11.12	0.0625	2.91	1.355133855	3.6	3.88
WLAN6GHz	802.11ax-HE160 MCS0	Left Side	10mm	Ant 6+7(7)	-	SKU9	Battery1	Brick	15	6025	11.12	0.25	2.13		1.54	1.7
WLAN6GHz	802.11ax-HE160 MCS0	Left Side	2mm	Ant 6+7(6)	-	SKU9	Battery1	Brick	207	6985	10.18	0.0625	2.5	-0.82066934	2.75	3.15
WLAN6GHz	802.11ax-HE160 MCS0	Left Side	8.59mm	Ant 6+7(6)	-	SKU9	Battery1	Brick	207	6985	10.18	0.25	3.02		1.52	1.6

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	SKU+ Battery+ Holster	SKU	Battery	Brick / Gun Type	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Duty Cycle %	Grid Step (A)	Scaling Factor for Measurement Uncertainty	Power Drift (dB)	Normal psPD (W/m ²)	Scaled Normal psPD (W/m ²)	Total psPD (W/m ²)	Scaled Total psPD (W/m ²)
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 6+7(7)	-	SKU9	Battery1	Brick	15	6025	11.12	11.50	99.42	0.0625	1.5535	0.02	0.422	0.72	0.463	0.79
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	Ant 6+7(7)	-	SKU9	Battery1	Brick	15	6025	11.12	11.50	99.42	0.0625	1.5535	-0.11	1.71	2.92	1.8	3.07
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	2mm	Ant 6+7(7)	-	SKU9	Battery1	Brick	15	6025	11.12	11.50	99.42	0.0625	1.5535	0.03	3.6	6.14	3.88	6.62
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	2mm	Ant 6+7(7)	-	SKU9	Battery1	Brick	47	6185	10.50	11.50	99.42	0.0625	1.5535	-0.14	3.01	5.92	3.75	7.38
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	2mm	Ant 6+7(7)	-	SKU9	Battery1	Brick	111	6505	8.87	10.00	99.42	0.0625	1.5535	0.14	1.89	3.83	2.12	4.30
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	2mm	Ant 6+7(7)	-	SKU9	Battery1	Brick	143	6665	8.40	9.50	99.42	0.0625	1.5535	-0.18	1.05	2.11	1.17	2.36
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	2mm	Ant 6+7(6)	-	SKU9	Battery1	Brick	207	6985	10.18	11.00	99.42	0.0625	1.5535	-0.05	2.75	5.19	3.15	5.95
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	2mm	Ant 6+7(7)	-	SKU9	Battery1	Brick	15	6025	11.12	11.50	99.42	0.0625	1.5535	-0.07	2.54	4.33	3.02	5.15
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	2mm	Ant 6+7(7)	-	SKU9	Battery1	Brick	47	6185	10.50	11.50	99.42	0.0625	1.5535	0.04	1.91	3.76	2.23	4.39
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	2mm	Ant 6+7(7)	-	SKU9	Battery1	Brick	111	6505	8.87	10.00	99.42	0.0625	1.5535	-0.03	3.32	6.73	3.51	7.12
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	2mm	Ant 6+7(7)	-	SKU9	Battery1	Brick	143	6665	8.40	9.50	99.42	0.0625	1.5535	0.09	3	6.04	3.62	7.29
96	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	2mm	Ant 6+7(6)	-	SKU9	Battery1	Brick	207	6985	10.18	11.00	99.42	0.0625	1.5535	0.02	3.42	6.46	3.97	7.49
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	2mm	Ant 6+7(6)	-	SKU9	Battery2	Brick	207	6985	10.18	11.00	99.42	0.0625	1.5535	0.08	3.2	6.04	3.63	6.85
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	2mm	Ant 6+7(6)	-	SKU9	Battery3	Brick	207	6985	10.18	11.00	99.42	0.0625	1.5535	0.01	3.13	5.91	3.45	6.51
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	2mm	Ant 6+7(6)	-	SKU9	Battery4	Brick	207	6985	10.18	11.00	99.42	0.0625	1.5535	0.03	3.02	5.70	3.36	6.34
	WLAN6GHz	802.11ax-HE160 MCS0	Front	15mm	Ant 6+7(7)	-	SKU11	Battery1	Gun	15	6025	11.12	13.50	99.42	0.0625	1.5535	0.01	0.043	0.12	0.056	0.15
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	Ant 6+7(7)	-	SKU11	Battery1	Gun	15	6025	11.12	11.50	99.42	0.0625	1.5535	-0.09	1.79	3.05	1.82	3.10
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	Ant 6+7(7)	-	SKU11	Battery1	Gun	47	6185	10.50	11.50	99.42	0.0625	1.5535	-0.12	1.51	2.97	1.57	3.09
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	Ant 6+7(7)	-	SKU11	Battery1	Gun	111	6505	8.87	10.00	99.42	0.0625	1.5535	-0.15	1.29	2.62	1.35	2.74
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	Ant 6+7(7)	-	SKU11	Battery1	Gun	143	6665	8.40	9.50	99.42	0.0625	1.5535	0.12	1.12	2.25	1.24	2.50
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	Ant 6+7(6)	-	SKU11	Battery1	Gun	207	6985	10.18	11.00	99.42	0.0625	1.5535	-0.09	1.73	3.27	2.06	3.89
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 6+7(7)	Rigid holster	SKU11	Battery1	Gun	15	6025	11.12	13.50	99.42	0.0625	1.5535	0.08	0.02	0.05	0.031	0.08
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	2mm	Ant 6+7(7)	Soft holster	SKU11	Battery1	Gun	15	6025	11.12	13.50	99.42	0.0625	1.5535	0.11	0.558	1.51	0.572	1.55
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	2mm	Ant 6+7(7)	Soft holster	SKU11	Battery1	Gun	15	6025	11.12	13.50	99.42	0.0625	1.5535	0.02	0.592	1.60	0.603	1.63
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	Ant 6+7(6)	-	SKU3	Battery2	Gun	207	6985	10.18	11.00	99.42	0.0625	1.5535	-0.08	1.49	2.81	1.79	3.38
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	Ant 6+7(6)	-	SKU6	Battery3	Gun	207	6985	10.18	11.00	99.42	0.0625	1.5535	-0.08	1.38	2.60	1.66	3.13
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	Ant 6+7(6)	-	SKU10	Battery4	Gun	207	6985	10.18	11.00	99.42	0.0625	1.5535	0.1	1.5	2.83	1.82	3.44

**13.5 Repeated SAR Measurement**

Plot No.	Band	Mode	Test Position	Gap (mm)	Brick/Gun Type	Power State	WLAN ON/OFF	Holster	Ch.	Freq. (MHz)	SKU	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)	Ratio	Reported 1g SAR (W/kg)
1st	WCDMA IV_Ant 1	RMC 12.2Kbps	Back	5mm	Brick	DSI 1	WLAN OFF	-	1312	1712.4	SKU9	Battery1	23.05	23.30	1.059			0.08	1.110	-	1.176
2nd	WCDMA IV_Ant 1	RMC 12.2Kbps	Back	5mm	Brick	DSI 1	WLAN OFF	-	1312	1712.4	SKU9	Battery1	23.05	23.30	1.059			0.05	1.050	1.058	1.112
1st	WCDMA V_Ant 1	RMC 12.2Kbps	Back	5mm	Brick	DSI 1	WLAN OFF	-	4132	826.4	SKU9	Battery1	24.23	25.00	1.194			-0.01	0.954	-	1.139
2nd	WCDMA V_Ant 1	RMC 12.2Kbps	Back	5mm	Brick	DSI 1	WLAN OFF	-	4132	826.4	SKU9	Battery1	24.23	25.00	1.194			0.02	0.935	1.021	1.116
1st	LTE Band 30_Ant 5	10M_QPSK_1_0	Back	5mm	Brick	DSI 1	WLAN OFF	-	27710	2310	SKU9	Battery1	25.49	25.70	1.050			-0.11	0.968	-	1.016
2nd	LTE Band 30_Ant 5	10M_QPSK_1_0	Back	5mm	Brick	DSI 1	WLAN OFF	-	27710	2310	SKU9	Battery1	25.49	25.70	1.050			-0.08	0.949	1.020	0.996
1st	FR1 n7_Ant 5	40M_BPSK_1_1	Back	5mm	Brick	DSI 1	WLAN OFF	-	507000	2535	SKU9	Battery1	25.17	25.70	1.130			-0.06	0.971	-	1.097
2nd	FR1 n7_Ant 5	40M_BPSK_1_1	Back	5mm	Brick	DSI 1	WLAN OFF	-	507000	2535	SKU9	Battery1	25.17	25.70	1.130			0.13	0.952	1.020	1.076
1st	FR1 n25_Ant 1	40M_BPSK_1_1	Back	5mm	Brick	DSI 1	WLAN OFF	-	379000	1895	SKU9	Battery1	23.75	23.90	1.035			0.16	1.100	-	1.139
2nd	FR1 n25_Ant 1	40M_BPSK_1_1	Back	5mm	Brick	DSI 1	WLAN OFF	-	379000	1895	SKU9	Battery1	23.75	23.90	1.035			0.05	1.040	1.058	1.077
1st	FR1 n77_HPUE_Ant 8	100M_BPSK_1_1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU11	Battery1	25.70	26.30	1.148	50	1.000	-0.09	0.838	-	0.962
2nd	FR1 n77_HPUE_Ant 8	100M_BPSK_1_1	Right Side	0mm	Gun	DSI 1	WLAN OFF	Soft holster	656000	3840	SKU11	Battery1	25.70	26.30	1.148	50	1.000	0.17	0.815	1.028	0.936

Plot No.	Band	Mode	Test Position	Gap (mm)	Brick/Gun Type	Power State	Ch.	Freq. (MHz)	SKU	Battery	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	LTE Band 66_Ant 1	20M_QPSK_1_0	Back	0mm	Gun	DSI 1	132072	1720	SKU3	Battery2	22.40	22.60	1.047	0.13	2.200	-	2.304
2nd	LTE Band 66_Ant 1	20M_QPSK_1_0	Back	0mm	Gun	DSI 1	132072	1720	SKU3	Battery2	22.40	22.60	1.047	-0.12	2.110	1.043	2.209

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Brick/Gun Type	Power State	Ch.	Freq. (MHz)	SKU	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)	Ratio	Reported 1g SAR (W/kg)
1st	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6+7(6)	Gun	Set 1 Non-DBS	1	2412	SKU 11	Battery1	18.62	19.50	1.225	98.05	1.020	-0.16	0.945	-	1.180
2nd	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6+7(6)	Gun	Set 1 Non-DBS	1	2412	SKU 11	Battery1	18.62	19.50	1.225	98.05	1.020	0.15	0.939	1.006	1.173
1st	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6+7(7)	Gun	Set 1 Non-DBS	42	5210	SKU 11	Battery1	15.89	16.50	1.151	99.63	1.004	0.09	0.968	-	1.118
2nd	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6+7(7)	Gun	Set 1 Non-DBS	42	5210	SKU 11	Battery1	15.89	16.50	1.151	99.63	1.004	0.12	0.953	1.015	1.101

General Note:

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

**13.6 Power Class 2 and Power Class 3 Linearity****General Note:**

This device support Power Class 2 and Power Class 3 operations. Per FCC Guidance based on the device behavior, all SAR tests were performed using Power Class 3. Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each LTE and FR1 configuration and exposure condition combination, according to the highest time averaged power for Power Class 2. When the reported SAR vs. output power is linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg, Separate SAR testing for Power Class 2 is not required. Use PC3 power level and SAR to estimated PC2 SAR linearly, and check if the deviation from the measured PC2 SAR is <10%

<Hotspot condition>

	NR Band 41 Ant 5	NR Band 41 Ant 5
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	22	25
Reported 1g SAR (W/kg)	0.503	0.458
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	158.49	158.11
Linearity SAR(W/kg)	0.50	
% deviation from expected linearity		-8.73%
	NR Band 77 Ant 9	NR Band 77 Ant 9
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	18.5	21.5
Reported 1g SAR (W/kg)	0.302	0.285
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	70.79	70.63
Linearity SAR(W/kg)	0.30	
% deviation from expected linearity		-5.41%
	NR Band 77 Ant 8	NR Band 77 Ant 8
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	18.5	21.5
Reported 1g SAR (W/kg)	0.491	0.46
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	70.79	70.63
Linearity SAR(W/kg)	0.49	
% deviation from expected linearity		-6.09%

<Body-Worn condition>

	NR Band 41 Ant 5 (Power Class 3)	NR Band 41 Ant 5 (Power Class 2)
Maximum Tune up Power (dBm)	25.7	27.5
Reported 1g SAR (W/kg)	0.895	0.742
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	371.54	281.17
Linearity SAR(W/kg)	0.68	
% deviation from expected linearity		9.55%
	NR Band 77 Ant 9 (Power Class 3)	NR Band 77 Ant 9 (Power Class 2)
Maximum Tune up Power (dBm)	21.5	24.5
Reported 1g SAR (W/kg)	0.379	0.351
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	141.25	140.92
Linearity SAR(W/kg)	0.38	
% deviation from expected linearity		-7.17%
	NR Band 77 Ant 8 (Power Class 3)	NR Band 77 Ant 8 (Power Class 2)
Maximum Tune up Power (dBm)	23.3	26.3
Reported 1g SAR (W/kg)	0.895	0.962
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	213.80	213.29
Linearity SAR(W/kg)	0.89	
% deviation from expected linearity		7.74%

**<Extremity condition>**

	NR Band 41 Ant 5	NR Band 41 Ant 5
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	25.7	27.5
Reported 1g SAR (W/kg)	0.797	0.656
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	371.54	281.17
Linearity SAR(W/kg)	0.60	
% deviation from expected linearity		8.76%
	NR Band 77 Ant 9	NR Band 77 Ant 9
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	21.5	24.5
Reported 1g SAR (W/kg)	0.309	0.279
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	141.25	140.92
Linearity SAR(W/kg)	0.31	
% deviation from expected linearity		-9.49%
	NR Band 77 Ant 8	NR Band 77 Ant 8
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	23.3	26.3
Reported 1g SAR (W/kg)	2.052	1.975
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	213.80	213.29
Linearity SAR(W/kg)	2.05	
% deviation from expected linearity		-3.52%

14. Simultaneous Transmission Analysis

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

General Note:

- 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.
 - $SPLSR = (SAR1 + SAR2)^{1.5} / (\text{min. separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - If $SPLSR \leq 0.04$, simultaneously transmission SAR measurement is not necessary.
 - Simultaneously transmission SAR measurement, and the reported multi-band SAR < 1.6W/kg.

14.1 Hotspot Exposure Conditions

WWAN Antenna	Exposure Position	1	2	3	4	5	6	7	NonDBS				
		WWAN	WLAN 2.4GHz Ant 6	WLAN 2.4GHz Ant 7	WLAN 2.4GHz Ant 6+7	WLAN 5GHz Ant 6+7	Bluetooth Ant 6	Bluetooth Ant 7	1+4 Summed 1g SAR (W/kg)	1+5+6 Summed 1g SAR (W/kg)	1+5+7 Summed 1g SAR (W/kg)	1+2+7 Summed 1g SAR (W/kg)	1+3+6 Summed 1g SAR (W/kg)
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)					
Ant 1	Front at 10mm Brick	0.310	0.111	0.071	0.153	0.285	0.001	0.001	0.463	0.596	0.596	0.422	0.382
	Back at 10mm Brick	0.398	0.323	0.148	0.323	0.291	0.001	0.001	0.721	0.690	0.690	0.722	0.547
	Left Side at 10mm Brick	0.450		0.290	0.300	0.622		0.001	0.750	1.072	1.073	0.451	0.740
	Right Side at 10mm Brick		0.433		0.430	0.437	0.001		0.430	0.438	0.437	0.433	0.001
Ant 2	Front at 10mm Brick	0.150	0.111	0.071	0.153	0.285	0.001	0.001	0.303	0.436	0.436	0.262	0.222
	Back at 10mm Brick	0.421	0.323	0.148	0.323	0.291	0.001	0.001	0.744	0.713	0.713	0.745	0.570
	Left Side at 10mm Brick			0.290	0.300	0.622		0.001	0.300	0.622	0.623	0.001	0.290
	Right Side at 10mm Brick	0.376	0.433		0.430	0.437	0.001		0.806	0.814	0.813	0.809	0.377
Ant 3	Front at 10mm Brick	0.099	0.111	0.071	0.153	0.285	0.001	0.001	0.252	0.385	0.385	0.211	0.171
	Back at 10mm Brick	0.294	0.323	0.148	0.323	0.291	0.001	0.001	0.617	0.586	0.586	0.618	0.443
	Left Side at 10mm Brick	0.531		0.290	0.300	0.622		0.001	0.831	1.153	1.154	0.532	0.821
	Right Side at 10mm Brick		0.433		0.430	0.437	0.001		0.430	0.438	0.437	0.433	0.001
Ant 4	Front at 10mm Brick	0.095	0.111	0.071	0.153	0.285	0.001	0.001	0.248	0.381	0.381	0.207	0.167
	Back at 10mm Brick	0.224	0.323	0.148	0.323	0.291	0.001	0.001	0.547	0.516	0.516	0.548	0.373
	Left Side at 10mm Brick			0.290	0.300	0.622		0.001	0.300	0.622	0.623	0.001	0.290
	Right Side at 10mm Brick	0.306	0.433		0.430	0.437	0.001		0.736	0.744	0.743	0.739	0.307
Ant 5	Front at 10mm Brick	0.165	0.111	0.071	0.153	0.285	0.001	0.001	0.318	0.451	0.451	0.277	0.237
	Back at 10mm Brick	0.261	0.323	0.148	0.323	0.291	0.001	0.001	0.584	0.553	0.553	0.585	0.410
	Left Side at 10mm Brick	0.578		0.290	0.300	0.622		0.001	0.878	1.200	1.201	0.579	0.868
	Right Side at 10mm Brick		0.433		0.430	0.437	0.001		0.430	0.438	0.437	0.433	0.001
Ant 8	Front at 10mm Brick	0.341	0.111	0.071	0.153	0.285	0.001	0.001	0.494	0.627	0.627	0.453	0.413
	Back at 10mm Brick	0.451	0.323	0.148	0.323	0.291	0.001	0.001	0.774	0.743	0.743	0.775	0.600
	Left Side at 10mm Brick			0.290	0.300	0.622		0.001	0.300	0.622	0.623	0.001	0.290
	Right Side at 10mm Brick	0.583	0.433		0.430	0.437	0.001		1.013	1.021	1.020	1.016	0.584
Ant 9	Front at 10mm Brick	0.120	0.111	0.071	0.153	0.285	0.001	0.001	0.273	0.406	0.406	0.232	0.192
	Back at 10mm Brick	0.174	0.323	0.148	0.323	0.291	0.001	0.001	0.497	0.466	0.466	0.498	0.323
	Left Side at 10mm Brick	0.518		0.290	0.300	0.622		0.001	0.818	1.140	1.141	0.519	0.808
	Right Side at 10mm Brick		0.433		0.430	0.437	0.001		0.430	0.438	0.437	0.433	0.001

WWAN Antenna	Exposure Position	1	2	3	4	5	6	7	NonDBS				
		WWAN	WLAN 2.4GHz Ant 6	WLAN 2.4GHz Ant 7	WLAN 2.4GHz Ant 6+7	WLAN 5GHz Ant 6+7	Bluetooth Ant 6	Bluetooth Ant 7	1+4 Summed 1g SAR (W/kg)	1+5+6 Summed 1g SAR (W/kg)	1+5+7 Summed 1g SAR (W/kg)	1+2+7 Summed 1g SAR (W/kg)	1+3+6 Summed 1g SAR (W/kg)
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)					
Ant 1	Front at 10mm Gun	0.272	0.095	0.063	0.172	0.319	0.001	0.001	0.444	0.592	0.592	0.368	0.336
	Left Side at 10mm Gun	0.475		0.213	0.385	0.673		0.001	0.860	1.148	1.149	0.476	0.688
	Right Side at 10mm Gun	0.548	0.522		0.715	0.358			1.263	0.906	0.906	1.070	0.548
Ant 2	Front at 10mm Gun	0.147	0.095	0.063	0.172	0.319	0.001	0.001	0.319	0.467	0.467	0.243	0.211
	Left Side at 10mm Gun			0.213	0.385	0.673		0.001	0.385	0.673	0.674	0.001	0.213
	Right Side at 10mm Gun	0.351	0.522		0.715	0.358			1.066	0.709	0.709	0.873	0.351
Ant 3	Front at 10mm Gun	0.110	0.095	0.063	0.172	0.319	0.001	0.001	0.282	0.430	0.430	0.206	0.174
	Left Side at 10mm Gun	0.599		0.213	0.385	0.673		0.001	0.984	1.272	1.273	0.600	0.812
	Right Side at 10mm Gun		0.522		0.715	0.358			0.715	0.358	0.358	0.522	0.000
Ant 4	Front at 10mm Gun	0.108	0.095	0.063	0.172	0.319	0.001	0.001	0.280	0.428	0.428	0.204	0.172
	Left Side at 10mm Gun			0.213	0.385	0.673		0.001	0.385	0.673	0.674	0.001	0.213
	Right Side at 10mm Gun	0.285	0.522		0.715	0.358			1.000	0.643	0.643	0.807	0.285
Ant 5	Front at 10mm Gun	0.210	0.095	0.063	0.172	0.319	0.001	0.001	0.382	0.530	0.530	0.306	0.274
	Left Side at 10mm Gun	0.579		0.213	0.385	0.673		0.001	0.964	1.252	1.253	0.580	0.792
	Right Side at 10mm Gun		0.522		0.715	0.358			0.715	0.358	0.358	0.522	0.000
Ant 8	Front at 10mm Gun	0.242	0.095	0.063	0.172	0.319	0.001	0.001	0.414	0.562	0.562	0.338	0.306
	Left Side at 10mm Gun			0.213	0.385	0.673		0.001	0.385	0.673	0.674	0.001	0.213
	Right Side at 10mm Gun	0.579	0.522		0.715	0.358			1.294	0.937	0.937	1.101	0.579
Ant 9	Front at 10mm Gun	0.180	0.095	0.063	0.172	0.319	0.001	0.001	0.352	0.500	0.500	0.276	0.244
	Left Side at 10mm Gun	0.390		0.213	0.385	0.673		0.001	0.775	1.063	1.064	0.391	0.603
	Right Side at 10mm Gun		0.522		0.715	0.358			0.715	0.358	0.358	0.522	0.000

WWAN Antenna	Exposure Position	1	2	3	4	5	6	7	On_DBS		
		WWAN	WLAN 2.4GHz Ant 6	WLAN 2.4GHz Ant 7	WLAN 2.4GHz Ant 6+7	WLAN 5GHz Ant 6+7	Bluetooth Ant 6	Bluetooth Ant 7	1+2+5+7 Summed 1g SAR (W/kg)	1+3+5+6 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
Ant 1	Front at 10mm Brick	0.310	0.111	0.071	0.153	0.285	0.001	0.001	0.707	0.667	0.748
	Back at 10mm Brick	0.398	0.323	0.148	0.323	0.291	0.001	0.001	1.013	0.838	1.012
	Left Side at 10mm Brick	0.450		0.290	0.300	0.622		0.001	1.073	1.362	1.372
	Right Side at 10mm Brick		0.433		0.430	0.437	0.001		0.870	0.438	0.867
Ant 2	Front at 10mm Brick	0.150	0.111	0.071	0.153	0.285	0.001	0.001	0.547	0.507	0.588
	Back at 10mm Brick	0.421	0.323	0.148	0.323	0.291	0.001	0.001	1.036	0.861	1.035
	Left Side at 10mm Brick			0.290	0.300	0.622		0.001	0.623	0.912	0.922
	Right Side at 10mm Brick	0.376	0.433		0.430	0.437	0.001		1.246	0.814	1.243
Ant 3	Front at 10mm Brick	0.099	0.111	0.071	0.153	0.285	0.001	0.001	0.496	0.456	0.537
	Back at 10mm Brick	0.294	0.323	0.148	0.323	0.291	0.001	0.001	0.909	0.734	0.908
	Left Side at 10mm Brick	0.531		0.290	0.300	0.622		0.001	1.154	1.443	1.453
	Right Side at 10mm Brick		0.433		0.430	0.437	0.001		0.870	0.438	0.867
Ant 4	Front at 10mm Brick	0.095	0.111	0.071	0.153	0.285	0.001	0.001	0.492	0.452	0.533
	Back at 10mm Brick	0.224	0.323	0.148	0.323	0.291	0.001	0.001	0.839	0.664	0.838
	Left Side at 10mm Brick			0.290	0.300	0.622		0.001	0.623	0.912	0.922
	Right Side at 10mm Brick	0.306	0.433		0.430	0.437	0.001		1.176	0.744	1.173
Ant 5	Front at 10mm Brick	0.165	0.111	0.071	0.153	0.285	0.001	0.001	0.562	0.522	0.603
	Back at 10mm Brick	0.261	0.323	0.148	0.323	0.291	0.001	0.001	0.876	0.701	0.875
	Left Side at 10mm Brick	0.578		0.290	0.300	0.622		0.001	1.201	1.490	1.500
	Right Side at 10mm Brick		0.433		0.430	0.437	0.001		0.870	0.438	0.867
Ant 8	Front at 10mm Brick	0.341	0.111	0.071	0.153	0.285	0.001	0.001	0.738	0.698	0.779
	Back at 10mm Brick	0.451	0.323	0.148	0.323	0.291	0.001	0.001	1.066	0.891	1.065
	Left Side at 10mm Brick			0.290	0.300	0.622		0.001	0.623	0.912	0.922
	Right Side at 10mm Brick	0.583	0.433		0.430	0.437	0.001		1.453	1.021	1.450
Ant 9	Front at 10mm Brick	0.120	0.111	0.071	0.153	0.285	0.001	0.001	0.517	0.477	0.558
	Back at 10mm Brick	0.174	0.323	0.148	0.323	0.291	0.001	0.001	0.789	0.614	0.788
	Left Side at 10mm Brick	0.518		0.290	0.300	0.622		0.001	1.141	1.430	1.440
	Right Side at 10mm Brick		0.433		0.430	0.437	0.001		0.870	0.438	0.867

WWAN Antenna	Exposure Position	1	2	3	4	5	6	7	On_DBS		
		WWAN	WLAN 2.4GHz Ant 6	WLAN 2.4GHz Ant 7	WLAN 2.4GHz Ant 6+7	WLAN 5GHz Ant 6+7	Bluetooth Ant 6	Bluetooth Ant 7	1+2+5+7 Summed 1g SAR (W/kg)	1+3+5+6 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
Ant 1	Front at 10mm Gun	0.272	0.095	0.063	0.172	0.319	0.001	0.001	0.687	0.655	0.763
	Left Side at 10mm Gun	0.475		0.213	0.385	0.477		0.001	0.953	1.165	1.337
	Right Side at 10mm Gun	0.548	0.306		0.420	0.358			1.212	0.906	1.326
Ant 2	Front at 10mm Gun	0.147	0.095	0.063	0.172	0.319	0.001	0.001	0.562	0.530	0.638
	Left Side at 10mm Gun			0.213	0.385	0.477		0.001	0.478	0.690	0.862
	Right Side at 10mm Gun	0.351	0.306		0.420	0.358			1.015	0.709	1.129
Ant 3	Front at 10mm Gun	0.110	0.095	0.063	0.172	0.319	0.001	0.001	0.525	0.493	0.601
	Left Side at 10mm Gun	0.599		0.213	0.385	0.477		0.001	1.077	1.289	1.461
	Right Side at 10mm Gun		0.306		0.420	0.358			0.664	0.358	0.778
Ant 4	Front at 10mm Gun	0.108	0.095	0.063	0.172	0.319	0.001	0.001	0.523	0.491	0.599
	Left Side at 10mm Gun			0.213	0.385	0.477		0.001	0.478	0.690	0.862
	Right Side at 10mm Gun	0.285	0.306		0.420	0.358			0.949	0.643	1.063
Ant 5	Front at 10mm Gun	0.210	0.095	0.063	0.172	0.319	0.001	0.001	0.625	0.593	0.701
	Left Side at 10mm Gun	0.579		0.213	0.385	0.477		0.001	1.057	1.269	1.441
	Right Side at 10mm Gun		0.306		0.420	0.358			0.664	0.358	0.778
Ant 8	Front at 10mm Gun	0.242	0.095	0.063	0.172	0.319	0.001	0.001	0.657	0.625	0.733
	Left Side at 10mm Gun			0.213	0.385	0.477		0.001	0.478	0.690	0.862
	Right Side at 10mm Gun	0.579	0.306		0.420	0.358			1.243	0.937	1.357
Ant 9	Front at 10mm Gun	0.180	0.095	0.063	0.172	0.319	0.001	0.001	0.595	0.563	0.671
	Left Side at 10mm Gun	0.390		0.213	0.385	0.477		0.001	0.868	1.080	1.252
	Right Side at 10mm Gun		0.306		0.420	0.358			0.664	0.358	0.778

14.2 Body Worn Accessory Exposure Conditions

WWAN Antenna	Exposure Position	1	2	3	4	5	6	7	NonDBS				
		WWAN	WLAN 2.4GHz Ant 6	WLAN 2.4GHz Ant 7	WLAN 2.4GHz Ant 6+7	WLAN 5/6GHz Ant 6+7	Bluetooth Ant 6	Bluetooth Ant 7	1+4 Summed 1g SAR (W/kg)	1+5+6 Summed 1g SAR (W/kg)	1+5+7 Summed 1g SAR (W/kg)	1+2+7 Summed 1g SAR (W/kg)	1+3+6 Summed 1g SAR (W/kg)
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)					
1	Front at 5mm Brick -	0.763	0.172	0.138	0.187	0.500	0.001	0.001	0.950	1.264	1.264	0.936	0.902
	Back at 5mm Brick -	0.609	0.326	0.217	0.356	0.746	0.001	0.001	0.965	1.356	1.356	0.936	0.827
	Front at 0mm Brick Soft holster		0.053	0.102	0.170	0.138	0.001	0.001	0.170	0.139	0.139	0.054	0.103
	Back at 0mm Brick Soft holster	0.326	0.603	0.062	0.730	0.238	0.001	0.001	1.056	0.565	0.565	0.930	0.389
	Front at 0mm Brick Rigid holster	0.192	0.075	0.159	0.289	0.139	0.001	0.001	0.481	0.332	0.332	0.268	0.352
2	Front at 5mm Brick -	0.364	0.172	0.138	0.187	0.500	0.001	0.001	0.551	0.865	0.865	0.537	0.503
	Back at 5mm Brick -	0.740	0.326	0.217	0.356	0.746	0.001	0.001	1.096	1.487	1.487	1.067	0.958
	Front at 0mm Brick Soft holster		0.053	0.102	0.170	0.138	0.001	0.001	0.170	0.139	0.139	0.054	0.103
	Back at 0mm Brick Soft holster	0.158	0.603	0.062	0.730	0.238	0.001	0.001	0.888	0.397	0.397	0.762	0.221
	Front at 0mm Brick Rigid holster	0.070	0.075	0.159	0.289	0.139	0.001	0.001	0.359	0.210	0.210	0.146	0.230
3	Front at 5mm Brick -	0.395	0.172	0.138	0.187	0.500	0.001	0.001	0.582	0.896	0.896	0.568	0.534
	Back at 5mm Brick -	0.454	0.326	0.217	0.356	0.746	0.001	0.001	0.810	1.201	1.201	0.781	0.672
	Front at 0mm Brick Soft holster		0.053	0.102	0.170	0.138	0.001	0.001	0.170	0.139	0.139	0.054	0.103
	Back at 0mm Brick Soft holster	0.175	0.603	0.062	0.730	0.238	0.001	0.001	0.905	0.414	0.414	0.779	0.238
	Front at 0mm Brick Rigid holster	0.269	0.075	0.159	0.289	0.139	0.001	0.001	0.558	0.409	0.409	0.345	0.429
4	Front at 5mm Brick -	0.139	0.172	0.138	0.187	0.500	0.001	0.001	0.326	0.640	0.640	0.312	0.278
	Back at 5mm Brick -	0.782	0.326	0.217	0.356	0.746	0.001	0.001	1.138	1.529	1.529	1.109	1.000
	Front at 0mm Brick Soft holster		0.053	0.102	0.170	0.138	0.001	0.001	0.170	0.139	0.139	0.054	0.103
	Back at 0mm Brick Soft holster	0.142	0.603	0.062	0.730	0.238	0.001	0.001	0.872	0.381	0.381	0.746	0.205
	Front at 0mm Brick Rigid holster	0.150	0.075	0.159	0.289	0.139	0.001	0.001	0.439	0.290	0.290	0.226	0.310
5	Front at 5mm Brick -	0.773	0.172	0.138	0.187	0.500	0.001	0.001	0.960	1.274	1.274	0.946	0.912
	Back at 5mm Brick -	0.594	0.326	0.217	0.356	0.746	0.001	0.001	0.950	1.341	1.341	0.921	0.812
	Front at 0mm Brick Soft holster		0.053	0.102	0.170	0.138	0.001	0.001	0.170	0.139	0.139	0.054	0.103
	Back at 0mm Brick Soft holster	0.413	0.603	0.062	0.730	0.238	0.001	0.001	1.143	0.652	0.652	1.017	0.476
	Front at 0mm Brick Rigid holster	0.822	0.075	0.159	0.289	0.139	0.001	0.001	1.111	0.962	0.962	0.898	0.982
8	Front at 5mm Brick -	0.690	0.172	0.138	0.187	0.500	0.001	0.001	0.877	1.191	1.191	0.863	0.829
	Back at 5mm Brick -	0.636	0.326	0.217	0.356	0.746	0.001	0.001	0.992	1.383	1.383	0.963	0.854
	Front at 0mm Brick Soft holster	0.336	0.053	0.102	0.170	0.138	0.001	0.001	0.506	0.475	0.475	0.390	0.439
	Back at 0mm Brick Soft holster		0.603	0.062	0.730	0.238	0.001	0.001	0.730	0.239	0.239	0.604	0.063
	Front at 0mm Brick Rigid holster	0.654	0.075	0.159	0.289	0.139	0.001	0.001	0.943	0.794	0.794	0.730	0.814
9	Front at 5mm Brick -	0.270	0.172	0.138	0.187	0.500	0.001	0.001	0.457	0.771	0.771	0.443	0.409
	Back at 5mm Brick -	0.317	0.326	0.217	0.356	0.746	0.001	0.001	0.673	1.064	1.064	0.644	0.535
	Front at 0mm Brick Soft holster	0.112	0.053	0.102	0.170	0.138	0.001	0.001	0.282	0.251	0.251	0.166	0.215
	Back at 0mm Brick Soft holster	0.065	0.603	0.062	0.730	0.238	0.001	0.001	0.795	0.304	0.304	0.669	0.128
	Front at 0mm Brick Rigid holster	0.276	0.075	0.159	0.289	0.139	0.001	0.001	0.565	0.416	0.416	0.352	0.436



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WWAN Antenna	Exposure Position	1	2	3	4	5	6	7	NonDBS				
		WWAN	WLAN 2.4GHz Ant 6	WLAN 2.4GHz Ant 7	WLAN 2.4GHz Ant 6+7	WLAN 5/6GHz Ant 6+7	Bluetooth Ant 6	Bluetooth Ant 7	1+4 Summed 1g SAR (W/kg)	1+5+6 Summed 1g SAR (W/kg)	1+5+7 Summed 1g SAR (W/kg)	1+2+7 Summed 1g SAR (W/kg)	1+3+6 Summed 1g SAR (W/kg)
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)					
1	Front at 15mm Gun -	0.333	0.079	0.026	0.165	0.322	0.001	0.001	0.498	0.656	0.656	0.413	0.360
	Left Side at 0mm Gun Soft holster	0.547		0.085	0.227	0.741		0.001	0.774	1.288	1.289	0.548	0.632
	Right Side at 0mm Gun Soft holster		0.415		0.607	0.252	0.001		0.607	0.253	0.252	0.415	0.001
	Front at 0mm Gun Rigid holster	0.207	0.070	0.146	0.491	0.124	0.001	0.001	0.698	0.332	0.332	0.278	0.354
2	Front at 15mm Gun -	0.076	0.079	0.026	0.165	0.322	0.001	0.001	0.241	0.399	0.399	0.156	0.103
	Left Side at 0mm Gun Soft holster			0.085	0.227	0.741		0.001	0.227	0.741	0.742	0.001	0.085
	Right Side at 0mm Gun Soft holster	0.193	0.415		0.607	0.252	0.001		0.800	0.446	0.445	0.608	0.194
	Front at 0mm Gun Rigid holster	0.067	0.070	0.146	0.491	0.124	0.001	0.001	0.558	0.192	0.192	0.138	0.214
3	Front at 15mm Gun -	0.120	0.079	0.026	0.165	0.322	0.001	0.001	0.285	0.443	0.443	0.200	0.147
	Left Side at 0mm Gun Soft holster	0.442		0.085	0.227	0.741		0.001	0.669	1.183	1.184	0.443	0.527
	Right Side at 0mm Gun Soft holster		0.415		0.607	0.252	0.001		0.607	0.253	0.252	0.415	0.001
	Front at 0mm Gun Rigid holster	0.312	0.070	0.146	0.491	0.124	0.001	0.001	0.803	0.437	0.437	0.383	0.459
4	Front at 15mm Gun -	0.056	0.079	0.026	0.165	0.322	0.001	0.001	0.221	0.379	0.379	0.136	0.083
	Left Side at 0mm Gun Soft holster			0.085	0.227	0.741		0.001	0.227	0.741	0.742	0.001	0.085
	Right Side at 0mm Gun Soft holster	0.253	0.415		0.607	0.252	0.001		0.860	0.506	0.505	0.668	0.254
	Front at 0mm Gun Rigid holster	0.128	0.070	0.146	0.491	0.124	0.001	0.001	0.619	0.253	0.253	0.199	0.275
5	Front at 15mm Gun -	0.308	0.079	0.026	0.165	0.322	0.001	0.001	0.473	0.631	0.631	0.388	0.335
	Left Side at 0mm Gun Soft holster	0.592		0.085	0.227	0.741		0.001	0.819	1.333	1.334	0.593	0.677
	Right Side at 0mm Gun Soft holster		0.415		0.607	0.252	0.001		0.607	0.253	0.252	0.415	0.001
	Front at 0mm Gun Rigid holster	0.622	0.070	0.146	0.491	0.124	0.001	0.001	1.113	0.747	0.747	0.693	0.769
8	Front at 15mm Gun -	0.371	0.079	0.026	0.165	0.322	0.001	0.001	0.536	0.694	0.694	0.451	0.398
	Left Side at 0mm Gun Soft holster			0.085	0.227	0.741		0.001	0.227	0.741	0.742	0.001	0.085
	Right Side at 0mm Gun Soft holster	0.962	0.415		0.607	0.252	0.001		1.569	1.215	1.214	1.377	0.963
	Front at 0mm Gun Rigid holster	0.861	0.070	0.146	0.491	0.124	0.001	0.001	1.352	0.986	0.986	0.932	1.008
9	Front at 15mm Gun -	0.135	0.079	0.026	0.165	0.322	0.001	0.001	0.300	0.458	0.458	0.215	0.162
	Left Side at 0mm Gun Soft holster	0.478		0.085	0.227	0.741		0.001	0.705	1.219	1.220	0.479	0.563
	Right Side at 0mm Gun Soft holster		0.415		0.607	0.252	0.001		0.607	0.253	0.252	0.415	0.001
	Front at 0mm Gun Rigid holster	0.199	0.070	0.146	0.491	0.124	0.001	0.001	0.690	0.324	0.324	0.270	0.346

WWAN Antenna	Exposure Position	1	2	3	4	5	6	7	DBS		
		WWAN	WLAN 2.4GHz Ant 6	WLAN 2.4GHz Ant 7	WLAN 2.4GHz Ant 6+7	WLAN 5/6GHz Ant 6+7	Bluetooth Ant 6	Bluetooth Ant 7	1+2+5+7 Summed 1g SAR (W/kg)	1+3+5+6 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
1	Front at 5mm Brick -	0.763	0.172	0.138	0.187	0.500	0.001	0.001	1.436	1.402	1.450
	Back at 5mm Brick -	0.609	0.326	0.217	0.356	0.345	0.001	0.001	1.281	1.172	1.310
	Front at 0mm Brick Soft holster		0.053	0.102	0.170	0.138	0.001	0.001	0.192	0.241	0.308
	Back at 0mm Brick Soft holster	0.326	0.603	0.062	0.730	0.238	0.001	0.001	1.168	0.627	1.294
	Front at 0mm Brick Rigid holster	0.192	0.075	0.159	0.289	0.139	0.001	0.001	0.407	0.491	0.620
2	Front at 5mm Brick -	0.364	0.172	0.138	0.187	0.500	0.001	0.001	1.037	1.003	1.051
	Back at 5mm Brick -	0.740	0.326	0.217	0.356	0.345	0.001	0.001	1.412	1.303	1.441
	Front at 0mm Brick Soft holster		0.053	0.102	0.170	0.138	0.001	0.001	0.192	0.241	0.308
	Back at 0mm Brick Soft holster	0.158	0.603	0.062	0.730	0.238	0.001	0.001	1.000	0.459	1.126
	Front at 0mm Brick Rigid holster	0.070	0.075	0.159	0.289	0.139	0.001	0.001	0.285	0.369	0.498
3	Front at 5mm Brick -	0.395	0.172	0.138	0.187	0.500	0.001	0.001	1.068	1.034	1.082
	Back at 5mm Brick -	0.454	0.326	0.217	0.356	0.345	0.001	0.001	1.126	1.017	1.155
	Front at 0mm Brick Soft holster		0.053	0.102	0.170	0.138	0.001	0.001	0.192	0.241	0.308
	Back at 0mm Brick Soft holster	0.175	0.603	0.062	0.730	0.238	0.001	0.001	1.017	0.476	1.143
	Front at 0mm Brick Rigid holster	0.269	0.075	0.159	0.289	0.139	0.001	0.001	0.484	0.568	0.697
4	Front at 5mm Brick -	0.139	0.172	0.138	0.187	0.500	0.001	0.001	0.812	0.778	0.826
	Back at 5mm Brick -	0.782	0.326	0.217	0.356	0.345	0.001	0.001	1.454	1.345	1.483
	Front at 0mm Brick Soft holster		0.053	0.102	0.170	0.138	0.001	0.001	0.192	0.241	0.308
	Back at 0mm Brick Soft holster	0.142	0.603	0.062	0.730	0.238	0.001	0.001	0.984	0.443	1.110
	Front at 0mm Brick Rigid holster	0.150	0.075	0.159	0.289	0.139	0.001	0.001	0.365	0.449	0.578
5	Front at 5mm Brick -	0.773	0.172	0.138	0.187	0.500	0.001	0.001	1.446	1.412	1.460
	Back at 5mm Brick -	0.594	0.326	0.217	0.356	0.345	0.001	0.001	1.266	1.157	1.295
	Front at 0mm Brick Soft holster		0.053	0.102	0.170	0.138	0.001	0.001	0.192	0.241	0.308
	Back at 0mm Brick Soft holster	0.413	0.603	0.062	0.730	0.238	0.001	0.001	1.255	0.714	1.381
	Front at 0mm Brick Rigid holster	0.822	0.075	0.159	0.289	0.139	0.001	0.001	1.037	1.121	1.250
8	Front at 5mm Brick -	0.690	0.172	0.138	0.187	0.500	0.001	0.001	1.363	1.329	1.377
	Back at 5mm Brick -	0.636	0.326	0.217	0.356	0.345	0.001	0.001	1.308	1.199	1.337
	Front at 0mm Brick Soft holster	0.336	0.053	0.102	0.170	0.138	0.001	0.001	0.528	0.577	0.644
	Back at 0mm Brick Soft holster		0.603	0.062	0.730	0.238	0.001	0.001	0.842	0.301	0.968
	Front at 0mm Brick Rigid holster	0.654	0.075	0.159	0.289	0.139	0.001	0.001	0.869	0.953	1.082
9	Front at 5mm Brick -	0.270	0.172	0.138	0.187	0.500	0.001	0.001	0.943	0.909	0.957
	Back at 5mm Brick -	0.317	0.326	0.217	0.356	0.345	0.001	0.001	0.989	0.880	1.018
	Front at 0mm Brick Soft holster	0.112	0.053	0.102	0.170	0.138	0.001	0.001	0.304	0.353	0.420
	Back at 0mm Brick Soft holster	0.065	0.603	0.062	0.730	0.238	0.001	0.001	0.907	0.366	1.033
	Front at 0mm Brick Rigid holster	0.276	0.075	0.159	0.289	0.139	0.001	0.001	0.491	0.575	0.704

WWAN Antenna	Exposure Position	1	2	3	4	5	6	7	DBS		
		WWAN	WLAN 2.4GHz Ant 6	WLAN 2.4GHz Ant 7	WLAN 2.4GHz Ant 6+7	WLAN 5/6GHz Ant 6+7	Bluetooth Ant 6	Bluetooth Ant 7	1+2+5+7 Summed 1g SAR (W/kg)	1+3+5+6 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
1	Front at 15mm Gun -	0.333	0.079	0.026	0.165	0.322	0.001	0.001	0.735	0.682	0.820
	Left Side at 0mm Gun Soft holster	0.547		0.085	0.227	0.741		0.001	1.289	1.373	1.515
	Right Side at 0mm Gun Soft holster		0.415		0.607	0.252	0.001		0.667	0.253	0.859
	Front at 0mm Gun Rigid holster	0.207	0.070	0.146	0.491	0.124	0.001	0.001	0.402	0.478	0.822
2	Front at 15mm Gun -	0.076	0.079	0.026	0.165	0.322	0.001	0.001	0.478	0.425	0.563
	Left Side at 0mm Gun Soft holster			0.085	0.227	0.741		0.001	0.742	0.826	0.968
	Right Side at 0mm Gun Soft holster	0.193	0.415		0.607	0.252	0.001		0.860	0.446	1.052
	Front at 0mm Gun Rigid holster	0.067	0.070	0.146	0.491	0.124	0.001	0.001	0.262	0.338	0.682
3	Front at 15mm Gun -	0.120	0.079	0.026	0.165	0.322	0.001	0.001	0.522	0.469	0.607
	Left Side at 0mm Gun Soft holster	0.442		0.085	0.227	0.741		0.001	1.184	1.268	1.410
	Right Side at 0mm Gun Soft holster		0.415		0.607	0.252	0.001		0.667	0.253	0.859
	Front at 0mm Gun Rigid holster	0.312	0.070	0.146	0.491	0.124	0.001	0.001	0.507	0.583	0.927
4	Front at 15mm Gun -	0.056	0.079	0.026	0.165	0.322	0.001	0.001	0.458	0.405	0.543
	Left Side at 0mm Gun Soft holster			0.085	0.227	0.741		0.001	0.742	0.826	0.968
	Right Side at 0mm Gun Soft holster	0.253	0.415		0.607	0.252	0.001		0.920	0.506	1.112
	Front at 0mm Gun Rigid holster	0.128	0.070	0.146	0.491	0.124	0.001	0.001	0.323	0.399	0.743
5	Front at 15mm Gun -	0.308	0.079	0.026	0.165	0.322	0.001	0.001	0.710	0.657	0.795
	Left Side at 0mm Gun Soft holster	0.592		0.085	0.227	0.741		0.001	1.334	1.418	1.560
	Right Side at 0mm Gun Soft holster		0.415		0.607	0.252	0.001		0.667	0.253	0.859
	Front at 0mm Gun Rigid holster	0.622	0.070	0.146	0.491	0.124	0.001	0.001	0.817	0.893	1.237
8	Front at 15mm Gun -	0.371	0.079	0.026	0.165	0.322	0.001	0.001	0.773	0.720	0.858
	Left Side at 0mm Gun Soft holster			0.085	0.227	0.741		0.001	0.742	0.826	0.968
	Right Side at 0mm Gun Soft holster	0.492	0.415		0.607	0.252	0.001		1.159	0.745	1.351
	Front at 0mm Gun Rigid holster	0.861	0.070	0.146	0.491	0.124	0.001	0.001	1.056	1.132	1.476
9	Front at 15mm Gun -	0.135	0.079	0.026	0.165	0.322	0.001	0.001	0.537	0.484	0.622
	Left Side at 0mm Gun Soft holster	0.478		0.085	0.227	0.741		0.001	1.220	1.304	1.446
	Right Side at 0mm Gun Soft holster		0.415		0.607	0.252	0.001		0.667	0.253	0.859
	Front at 0mm Gun Rigid holster	0.199	0.070	0.146	0.491	0.124	0.001	0.001	0.394	0.470	0.814

**14.3 Extremity Exposure Conditions**

WWAN Antenna	Exposure Position	1	2	3	4	5	6	7	9	WWAN On_NonDBS					WWAN On_DBS		
		WWAN	WLAN 2.4GHz Ant 6	WLAN 2.4GHz Ant 7	WLAN 2.4GHz Ant 6+7	WLAN 5/6GHz Ant 6+7	Bluetooth Ant 6	Bluetooth Ant 7	NFC	1+4+9 Summed 10g SAR (W/kg)	1+5+6+9 Summed 10g SAR (W/kg)	1+5+7+9 Summed 10g SAR (W/kg)	1+2+7+9 Summed 10g SAR (W/kg)	1+3+6+9 Summed 10g SAR (W/kg)	1+2+5+7+9 Summed 10g SAR (W/kg)	1+3+5+6+9 Summed 10g SAR (W/kg)	1+4+5+9 Summed 10g SAR (W/kg)
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
8	Front at 0mm Brick					0.697			0.001	0.001	0.698	0.698	0.001	0.001	0.698	0.698	0.698
	Back at 0mm Brick					0.206			0.024	0.024	0.230	0.230	0.024	0.024	0.230	0.230	0.230
	Left side at 0mm Brick					1.823			0.001	0.001	1.824	1.824	0.001	0.001	1.824	1.824	1.824
	Right side at 0mm Brick	2.021				0.781			0.001	2.022	2.803	2.803	2.022	2.022	2.803	2.803	2.803
	Top side at 0mm Brick								0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001

WWAN Antenna	Exposure Position	1	2	3	4	5	6	7	9	WWAN On_NonDBS					WWAN On_DBS		
		WWAN	WLAN 2.4GHz Ant 6	WLAN 2.4GHz Ant 7	WLAN 2.4GHz Ant 6+7	WLAN 5/6GHz Ant 6+7	Bluetooth Ant 6	Bluetooth Ant 7	NFC	1+4+9 Summed 10g SAR (W/kg)	1+5+6+9 Summed 10g SAR (W/kg)	1+5+7+9 Summed 10g SAR (W/kg)	1+2+7+9 Summed 10g SAR (W/kg)	1+3+6+9 Summed 10g SAR (W/kg)	1+2+5+7+9 Summed 10g SAR (W/kg)	1+3+5+6+9 Summed 10g SAR (W/kg)	1+4+5+9 Summed 10g SAR (W/kg)
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
1	Back at 0mm Gun	2.304	0.594	0.182	0.523	0.399	0.001	0.001	0.012	2.839	2.716	2.716	2.911	2.499	3.310	2.898	3.238
2	Back at 0mm Gun	1.077	0.594	0.182	0.523	0.399	0.001	0.001	0.012	1.612	1.489	1.489	1.684	1.272	2.083	1.671	2.011
3	Back at 0mm Gun	0.377	0.594	0.182	0.523	0.399	0.001	0.001	0.012	0.912	0.789	0.789	0.984	0.572	1.383	0.971	1.311
4	Back at 0mm Gun	0.529	0.594	0.182	0.523	0.399	0.001	0.001	0.012	1.064	0.941	0.941	1.136	0.724	1.535	1.123	1.463
5	Back at 0mm Gun	1.175	0.594	0.182	0.523	0.399	0.001	0.001	0.012	1.710	1.587	1.587	1.782	1.370	2.181	1.769	2.109
8	Back at 0mm Gun	0.448	0.594	0.182	0.523	0.399	0.001	0.001	0.012	0.983	0.860	0.860	1.055	0.643	1.454	1.042	1.382
9	Back at 0mm Gun	0.309	0.594	0.182	0.523	0.399	0.001	0.001	0.012	0.844	0.721	0.721	0.916	0.504	1.315	0.903	1.243

Test Engineer : Kevin Guo and Bevis Chang

15. Uncertainty Assessment

Declaration of Conformity:

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

Comments and Explanations:

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

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

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

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

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

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

(b) κ is the coverage factor

Standard Uncertainty for Assumed Distribution

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

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

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

Applicable for SAR Measurements:

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

Applicable for Power Density Measurements:

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

16. References

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