

FCC SAR Test Report

APPLICANT : Motorola Mobility LLC
EQUIPMENT : Mobile Cellular Phone
BRAND NAME : Motorola
MODEL NAME : XT2651-1, XT2651-2, XT2651-3
FCC ID : IHDT56AW3
STANDARD : FCC 47 CFR Part 2 (2.1093)

We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the test procedures given in 47 CFR Part 2.1093 and FCC KDB and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Kunshan), the test report shall not be reproduced except in full.



Approved by: Si Zhang



Sporton International Inc. (Kunshan)

**No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300
People's Republic of China**



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Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA5N1310	Rev. 01	Initial issue of report.	Feb. 12, 2026



1. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for **Motorola Mobility LLC, Mobile Cellular Phone, XT2651-1, XT2651-2, XT2651-3**, are as follows.

Highest 1g SAR Summary							
Equipment Class	Frequency Band		Head (Separation 0mm)	Hotspot (Separation 5mm)	Body-worn (Separation 5mm)	Body (W/kg) Open (Tablet) (Separation 0mm)	Highest Simultaneous Transmission 1g SAR (W/kg)
Licensed	GSM	GSM850	0.25	0.93	0.93	1.29	1.58
		GSM1900	1.20	1.30	1.30	1.29	
	WCDMA	WCDMA II	1.28	1.29	1.29	1.28	
		WCDMA IV	1.30	1.29	1.29	1.27	
		WCDMA V	0.31	1.25	1.25	1.27	
	LTE	LTE Band 7	1.30	1.29	1.29	1.29	
		LTE Band 12/17	0.25	1.17	1.43	1.30	
		LTE Band 13	0.24	1.11	1.29	1.28	
		LTE Band 14	0.27	1.18	1.30	1.29	
		LTE Band 25/2	1.27	1.29	1.29	1.30	
		LTE Band 26/5	0.28	1.24	1.40	1.29	
		LTE Band 30	1.29	1.29	1.29	1.29	
		LTE Band 66/4	1.28	1.30	1.30	1.29	
		LTE Band 71	0.20	1.07	1.12	1.27	
		LTE Band 41/38	1.28	1.29	1.30	1.29	
		LTE Band 42	1.26	1.31	1.30	1.30	
		LTE Band 43	1.25	1.30	1.30	1.29	
		LTE Band 48	1.27	1.30	1.30	1.30	
		5G NR	FR1 n7	1.28	1.30	1.30	
	FR1 n12		0.17	0.99	1.11	1.29	
	FR1 n13		0.11	1.13	1.33	1.29	
	FR1 n14		0.18	1.01	1.11	1.29	
	FR1 n25/n2		1.29	1.29	1.28	1.30	
	FR1 n26/n5		0.19	0.89	0.89	1.29	
	FR1 n30		1.28	1.29	1.29	1.29	
	FR1 n66		1.15	1.28	1.28	1.28	
	FR1 n70		0.93	1.27	1.28	1.29	
	FR1 n71		0.15	0.82	0.90	1.28	
	FR1 n41/n38		1.27	1.30	1.30	1.29	
	FR1 n48	1.27	1.29	1.29	1.29		
	FR1 n77/n78	1.27	1.28	1.29	1.28		
DTS	WLAN	2.4GHz WLAN	1.09	1.36	1.30	1.38	1.58
NII		5GHz WLAN	1.08	1.10	1.07	1.12	1.58
6XD		WLAN 6GHz	0.93		0.91	1.08	1.58
DSS	Bluetooth	2.4GHz Bluetooth	<0.10	0.30	0.30	1.37	1.58
Highest Total Exposure Ratio			Ratio ≤ 1.0				
			0.99				
Highest 10g SAR Summary							
Equipment Class	Frequency Band		Product Specific 10g SAR (W/kg) Close (Separation 0mm)			Highest Simultaneous Transmission 10g SAR (W/kg)	



Licensed	GSM	GSM1900	2.49	3.28
	WCDMA	WCDMA II	3.15	
		WCDMA IV	3.16	
		WCDMA V	1.35	
	LTE	LTE Band 7	3.18	
		LTE Band 25/2	3.20	
		LTE Band 26/5	1.64	
		LTE Band 30	3.20	
		LTE Band 66/4	3.16	
		LTE Band 41/38	3.22	
		LTE Band 42	3.18	
		LTE Band 43	3.23	
	LTE Band 48	3.21		
	5G NR	FR1 n7	3.21	
		FR1 n25/n2	3.18	
		FR1 n30	3.19	
		FR1 n66	3.21	
		FR1 n70	3.19	
FR1 n41/n38		3.15		
FR1 n48		3.20		
FR1 n77/n78	3.18			
DTS	WLAN	2.4GHz WLAN	2.16	3.28
NII		5GHz WLAN	2.98	3.28
6XD		WLAN 6GHz	0.70	3.28
Highest Total Exposure Ratio			Ratio ≤ 1.0	
			0.82	

Equipment Class	Frequency Band	Measured APD				Reported PD
		Head (W/m ²)	Body Worn (W/m ²)	Body (W/m ²)	Phablet (W/m ²)	psPD (W/m ²)
6XD	6GHz WLAN	4.00	3.69	3.81	10.40	6.27
Date of Testing:		2025/12/22 ~ 2026/1/26				

Remark:

1. This device supports LTE B2 / B4 / B5 / B17 / B38 and B25 / B66 / B26 / B12 / B41. Since the supported frequency span for LTE B2 / B4 / B5 / B17 / B38 falls completely within the support's frequency span for LTE B25 / B66 / B26 / B12 / B41, both LTE bands have the same target power, and both LTE bands share the same transmission path; therefore, SAR was only assessed for LTE B25 / B66 / B26 / B12 / B41.
2. This device supports 5GNR n38/n5/n78/n2 and n41/n26/n77/n25. Since the supported frequency span for 5GNR n38/n5/n78/n2 falls completely within the support's frequency span for n41/n26/n77/n25, both 5GNR bands have the same target power, and both 5GNR bands share the same transmission path; therefore, SAR was only assessed for n41/n26/n77/n25.

Declaration of Conformity:

The test results with all measurement uncertainty excluded are 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.

This device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg for Partial-Body 1g SAR, 4.0 W/kg for Product Specific 10g SAR) specified in FCC 47 CFR part 2 (2.1093), and 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.

2. Administration Data

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Testing Laboratory			
Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	SAR04-KS SAR05-KS SAR01-KS SAR03-KS	CN1257	314309

Applicant	
Company Name	Motorola Mobility LLC
Address	222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

Manufacturer	
Company Name	Motorola Mobility LLC
Address	222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

3. Guidance Applied

The Specific Absorption Rate (SAR) testing specification, method, and procedure for this device is in accordance with the following standards:

- FCC 47 CFR Part 2 (2.1093)
- ANSI/IEEE C95.1-1992
- IEEE 1528-2013
- IEC/IEEE 62209-1528:2020
- FCC KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04
- FCC KDB 865664 D02 SAR Reporting v01r02
- FCC KDB 447498 D01 General RF Exposure Guidance v06
- FCC KDB 648474 D04 SAR Evaluation Considerations for Wireless Handsets v01r03
- FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02
- FCC KDB 941225 D01 3G SAR Procedures v03r01
- FCC KDB 941225 D05 SAR for LTE Devices v02r05
- FCC KDB 941225 D05A Rel.10 LTE SAR Test Guidance v01r02
- FCC KDB 941225 D06 Hotspot Mode SAR v02r01
- FCC KDB 616217 D04 SAR for laptop and tablets v01r02
- IEC TR 63170:2018
- IEC 62479:2010
- SPEAG DASY6 Application Note (Interim Procedure for Device Operation at 6GHz-10GHz)

4. Equipment Under Test (EUT) Information

4.1 General Information

Product Feature & Specification	
Equipment Name	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2651-1, XT2651-2, XT2651-3
FCC ID	IHDT56AW3
IMEI Code	Sample 1: 351108230022770/351108230022788, 351108230024917/351108230024925 351108230024891/351108230024909, 351108230026433/351108230026441 351108230026532/351108230026540, 351108230027191/351108230027209 Sample 2: 356473970014956/356473970014964
Wireless Technology and Frequency Range	GSM850: 824 MHz ~ 849 MHz GSM1900: 1850 MHz ~ 1910 MHz WCDMA Band II: 1850 MHz ~ 1910 MHz WCDMA Band IV: 1710 MHz ~ 1755 MHz WCDMA Band V: 824 MHz ~ 849 MHz LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7: 2500 MHz ~ 2570 MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 13: 777 MHz ~ 787 MHz LTE Band 14: 788 MHz ~ 798 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 30: 2305 MHz ~ 2315 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 42: 3450 MHz ~ 3600 MHz LTE Band 43: 3600 MHz ~ 3700 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 n70: 1695 MHz ~ 1710 MHz 5G NR n71: 663 MHz ~ 698 MHz 5G NR n77: 3700 MHz ~ 3980 MHz, 3450MHz ~ 3550MHz 5G NR n78: 3700 MHz ~ 3800 MHz, 3450MHz ~ 3550MHz WLAN 2.4GHz Band: 2412 MHz ~ 2462 MHz WLAN 5.2GHz Band: 5180 MHz ~ 5240 MHz WLAN 5.3GHz Band: 5260 MHz ~ 5320 MHz WLAN 5.5GHz Band: 5500 MHz ~ 5720 MHz WLAN 5.8GHz Band: 5745 MHz ~ 5825 MHz WLAN U-NII 5: 5925 MHz ~ 6425 MHz

	WLAN U-NII 6: 6425 MHz ~ 6525 MHz WLAN U-NII 7: 6525 MHz ~ 6875 MHz WLAN U-NII 8: 6875 MHz ~ 7125 MHz Bluetooth: 2402 MHz ~ 2480 MHz NFC: 13.56 MHz WPT: 110kHz~ 145 kHz UWB: 6489.6 MHz & 7987.2 MHz
Mode	GSM/GPRS/EGPRS RMC/AMR 12.2Kbps HSDPA/HSUPA DC-HSDPA HSPA+(16QAM uplink is not supported) LTE: QPSK, 16QAM, 64QAM, 256QAM 5G NR: DFT-s-OFDM/CP-OFDM, Pi/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM WLAN 2.4GHz 802.11b/g/n HT20/HT40 WLAN 2.4GHz 802.11ax/be HE20/HE40/EHT20/EHT40 WLAN 5GHz 802.11a/n HT20/HT40 WLAN 5GHz 802.11ac VHT20/VHT40/VHT80/VHT160 WLAN 5GHz 802.11ax/be HE20/HE40/HE80/HE160/EHT20/EHT40/EHT80/EHT160 WLAN 6GHz 802.11a/ax/be HE20/HE40/HE80/HE160/EHT20/EHT40/EHT80/EHT160/EHT320 Bluetooth BR/EDR/LE / CS GFSK/ CS ASK NFC: ASK WPT: ASK UWB: BPM-BPSK
GSM / (E)GPRS Transfer mode	Class B – EUT cannot support Packet Switched and Circuit Switched Network simultaneously but can automatically switch between Packet and Circuit Switched Network.
EUT Stage	Identical Prototype
Remark: - This device supports VoIP in GPRS, EGPRS, WCDMA, LTE and 5GNR (e.g. for 3rd-party VoIP), LTE supports VoLTE operation. - This device WLAN 2.4GHz support hotspot operation and Bluetooth support tethering applications. - This device 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WiFi Direct (GC/GO), and 5.3GHz / 5.5GHz supports WiFi Direct (GC only). WLAN 6GHz has no hotspot function. - This device supports dual SIM dual standby. The WWAN radio transmission will be enabled by either one SIM at a time (single active). - This device does not support DTM operation and support GRPS/EGRPS mode up to multi-slot class 12. - The 2.4GHz/5GHz/6GHz WLAN can transmit in SISO/MIMO mode. - Bluetooth and Bluetooth LE modes support TX Beamforming mode, and Bluetooth LE Channel Sounding mode is SISO mode only. - The device implements the power management, Hall sensor and proximity sensor /receiver detection/hotspot mode for SAR compliance at different exposure conditions (head, body-worn, hotspot, extremity) and the Qualcomm smart transmit will manage to ensure the power level not exceeding the associated power table. Details about the power management decision and sensor detection are provided in the operational description. And the device will invoke corresponding work scenarios power level base on frequency bands/antennas, which can refer to power table at appendix E. - This device implements antenna tuning techniques for several WWAN (cellular) operating modes and frequencies for the purpose of improving antenna efficiency over a broad range of frequencies. Specifically, these techniques are employed in the LTE and 5GNR modes. In this report SAR was measured according to the normally required SAR configurations with the tuner active and worst tune state (auto tune) was used for SAR testing. The detail descriptions of the antenna tuner and supplemental data for additional information on section18 and appendix H. - This device supports HPUE mode for LTE Band 41 and 5GNR n41/n77/n78 with higher power. For HPUE power is higher than power class 3 but with lower duty cycle, the maximum average power for class 2 and class 3 is almost the same, so power class 3 was chosen to perform full SAR testing and power class 2 verified the worst case of power class 3 SAR. - For 5GNR n41/n77/n78 HPUE, 5GNR n41/n77/n78 PC2 Maximum Duty Cycle is 50%, using FTM (Factory Test Mode) with 50% duty cycle is considered during SAR testing. For 5G NR other bands test, using FTM (Factory Test Mode) with default 100% duty cycle transmission to perform SAR testing. - The UWB output power is -9.1 dBm and it is less than 1mW and exempt from power density testing. 5G NR n2/n7/n25/n30/n41/n48/n66/n77/n78 supports UL MIMO mode. - The device supports HPUE (power class 2) under SISO mode and HPUE (power class 1.5) under UL MIMO mode for 5G NR n41/n78/n77.	

15. The different model names XT2651-1, XT2651-2, XT2651-3 please refer to the Operational Description of Product Equality Declaration which is exhibit separately.
16. There are two samples. For details different between them refer to the XT2651-1, XT2651-2, XT2651-3_Operational Description of Product Equality Declaration which is exhibit separately. According to the differences, sample 1 was chosen to perform full SAR testing and sample 2 verified the worst case of sample 1.
17. This device has NFC function and the NFC SAR report will be separately submitted.
18. RF exposure report for WPC (Wireless power charging) will be separately submitted.
19. This device supports 5G NR FR1 bands as following table, including NSA mode and SA mode. NSA and SA mode performed SAR separately.

<5G NR>

Mode	Band	Duplex	SCS(KHz)	Bandwidths(BW)
NSA	n2	FDD	15	5, 10, 15, 20, 25, 30, 35, 40
	n5	FDD	15	5, 10, 15, 20
	n7	FDD	15	5, 10, 15, 20, 25, 30, 35, 40, 50
	n25	FDD	15	5, 10, 15, 20, 25, 30, 35, 40
	n26	FDD	15	5, 10, 15, 20
	n30	FDD	15	5, 10
	n66	FDD	15	5, 10, 15, 20, 25, 30, 35, 40, 45
	n71	FDD	15	5, 10, 15, 20, 25, 30, 35
	n38	TDD	30	10, 15, 20, 25, 30, 40
	n41	TDD	30	10, 15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 80, 90, 100
	n48	TDD	30	10, 15, 20, 30, 40
	n77	TDD	30	10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100
	n78	TDD	30	10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100
SA	n2	FDD	15	5, 10, 15, 20, 25, 30, 35, 40
	n5	FDD	15	5, 10, 15, 20
	n7	FDD	15	5, 10, 15, 20, 25, 30, 35, 40, 50
	n12	FDD	15	5, 10, 15
	n13	FDD	15	5, 10
	n14	FDD	15	5, 10
	n25	FDD	15	5, 10, 15, 20, 25, 30, 35, 40
	n26	FDD	15	5, 10, 15, 20
	n30	FDD	15	5, 10
	n66	FDD	15	5, 10, 15, 20, 25, 30, 35, 40, 45
	n70	FDD	15	5, 10, 15
	n71	FDD	15	5, 10, 15, 20, 25, 30, 35
	n38	TDD	30	10, 15, 20, 25, 30, 40
	n41	TDD	30	10, 15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 80, 90, 100
	n48	TDD	30	10, 15, 20, 30, 40
	n77	TDD	30	10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100
	n78	TDD	30	10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100

4.2 General LTE SAR Test and Reporting Considerations

Summarized necessary items addressed in KDB 941225 D05 v02r05																																																																													
FCC ID	IHDT56AW3																																																																												
Equipment Name	Mobile Cellular Phone																																																																												
Operating Frequency Range of each LTE transmission band	LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7: 2500 MHz ~ 2570 MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 13: 777 MHz ~ 787 MHz LTE Band 14: 788 MHz ~ 798 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 30: 2305 MHz ~ 2315 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 42: 3450 MHz ~ 3600 MHz LTE Band 43: 3600 MHz ~ 3700 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 42: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 43: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 48: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 66:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 71: 5MHz, 10MHz, 15MHz, 20MHz																																																																												
uplink modulations used	QPSK / 16QAM / 64QAM / 256QAM																																																																												
LTE Voice / Data requirements	Voice and Data																																																																												
LTE Release Version	R18																																																																												
CA Support	Supported, Uplink and Downlink																																																																												
LTE MPR permanently built-in by design	<table><tr><th colspan="8">Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3</th></tr><tr><th rowspan="2">Modulation</th><th colspan="6">Channel bandwidth / Transmission bandwidth (N_{RB})</th><th rowspan="2">MPR (dB)</th></tr><tr><th>1.4 MHz</th><th>3.0 MHz</th><th>5 MHz</th><th>10 MHz</th><th>15 MHz</th><th>20 MHz</th></tr><tr><td>QPSK</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 1</td></tr><tr><td>16 QAM</td><td>≤ 5</td><td>≤ 4</td><td>≤ 8</td><td>≤ 12</td><td>≤ 16</td><td>≤ 18</td><td>≤ 1</td></tr><tr><td>16 QAM</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 2</td></tr><tr><td>64 QAM</td><td>≤ 5</td><td>≤ 4</td><td>≤ 8</td><td>≤ 12</td><td>≤ 16</td><td>≤ 18</td><td>≤ 2</td></tr><tr><td>64 QAM</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 3</td></tr><tr><td>256 QAM</td><td colspan="6">≥ 1</td><td>≤ 5</td></tr></table>							Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3								Modulation	Channel bandwidth / Transmission bandwidth (N _{RB})						MPR (dB)	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1	16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1	16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2	64 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 2	64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 3	256 QAM	≥ 1						≤ 5
Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3																																																																													
Modulation	Channel bandwidth / Transmission bandwidth (N _{RB})						MPR (dB)																																																																						
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz																																																																							
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1																																																																						
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1																																																																						
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2																																																																						
64 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 2																																																																						
64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 3																																																																						
256 QAM	≥ 1						≤ 5																																																																						
LTE A-MPR	In the base station simulator configuration, Network Setting value is set to NS_01 to disable A-MPR during SAR testing and the LTE SAR tests was transmitting on all TTI frames (Maximum TTI)																																																																												
Spectrum plots for RB configuration	A properly configured base station simulator was used for the SAR and power measurement; therefore, spectrum plots for each RB allocation and offset configuration are not included in the SAR report.																																																																												
Power reduction applied to satisfy SAR compliance	Yes, when operating in Proximity sensors/receiver/hotspot detect mechanism, head/body-worn /hotspot/extremity will trigger reduced power for some bands applied to satisfy SAR compliance, the detail please referred to section 14.																																																																												
LTE Carrier Aggregation Combinations	Inter-Band and Intra-Band possible combinations and the detail power verification please referred to section 14.																																																																												



LTE Carrier Aggregation Additional Information	1. This device supports LTE Carrier Aggregation (CA) in the uplink for intra-band and inter-band with two component carriers in the uplink. SAR Measurements and conducted powers were evaluated per FCC Guidance. 2. This device supports maximum of 2 carriers in the uplink.
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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	20450	829	20450	829		
M	20525	836.5	20525	836.5	20525	836.5	20525	836.5	20525	836.5	20525	836.5		
H	20643	848.3	20635	847.5	20625	846.5	20600	844	20600	844	20600	844		
LTE Band 7														
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz							
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)		
L	20775	2502.5	20800	2505	20825	2507.5	20850	2510	20850	2510	20850	2510		
M	21100	2535	21100	2535	21100	2535	21100	2535	21100	2535	21100	2535		
H	21425	2567.5	21400	2565	21375	2562.5	21350	2560	21350	2560	21350	2560		
LTE Band 12														
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz							
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)		
L	23017	699.7	23025	700.5	23035	701.5	23060	704	23060	704	23060	704		
M	23095	707.5	23095	707.5	23095	707.5	23095	707.5	23095	707.5	23095	707.5		
H	23173	715.3	23165	714.5	23155	713.5	23130	711	23130	711	23130	711		
LTE Band 13														
	Bandwidth 5 MHz				Bandwidth 10 MHz									
	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)
L	26697	814.7	26705	815.5	26715	816.5	26740	819	26765	821.5
M	26865	831.5	26865	831.5	26865	831.5	26865	831.5	26865	831.5
H	27033	848.3	27025	847.5	27015	846.5	26990	844	26965	841.5

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

LTE Band 38									
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz		
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Freq. (MHz)
L	37775	2572.5	37800	2575	37825	2577.5	37850	2580	2580
M	38000	2595	38000	2595	38000	2595	38000	2595	2595
H	38225	2617.5	38200	2615	38175	2612.5	38150	2610	2610

LTE Band 41									
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz		
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Freq. (MHz)
L	39675	2498.5	39700	2501	39725	2503.5	39750	2506	2506
LM	40148	2545.8	40160	2547	40173	2548.3	40185	2549.5	2549.5
M	40620	2593	40620	2593	40620	2593	40620	2593	2593
HM	41093	2640.3	41080	2639	41068	2637.8	41055	2636.5	2636.5
H	41565	2687.5	41540	2685	41515	2682.5	41490	2680	2680

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 42									
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz		
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Freq. (MHz)
L	42115	3452.5	42140	3455	42165	3457.5	42190	3460	3460
M	42590	3500	42590	3500	42590	3500	42590	3500	3500
H	43065	3547.5	43040	3545	43015	3542.5	42990	3540	3540

LTE Band 42									
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz		
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Freq. (MHz)
L	43115	3552.5	43140	3555	43165	3557.5	43190	3560	3560
M	43340	3575	43340	3575	43340	3575	43340	3575	3575
H	43565	3597.5	43540	3595	43515	3592.5	43490	3590	3590

LTE Band 43									
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz		
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Freq. (MHz)
L	43615	3602.5	43640	3605	43665	3607.5	43690	3610	3610
M	44090	3650	44090	3650	44090	3650	44090	3650	3650
H	44565	3697.5	44540	3695	44515	3692.5	44490	3690	3690

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)	Freq. (MHz)
L	55265	3552.5	55290	3555	55315	3557.5	55340	3560	3560
LM	55810	3607	55815	3607.5	55820	3608	55830	3609	3609
MH	56170	3643	56165	3642.5	56160	3642	56150	3641	3641
H	56715	3697.5	56690	3695	56665	3692.5	56640	3690	3690



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)
L	133147	665.5	133172	668	133197	670.5	133222	673
M	133247	675.5	133272	678	133297	680.5	133322	683
H	133447	695.5	133422	693	133397	690.5	133372	688

<For LTE Overlap Bands Description>

1) LTE Bands BW

Band	1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz
LTE Band 12	Yes	Yes	Yes	Yes		
LTE Band 17			Yes	Yes		
LTE Band 2	Yes	Yes	Yes	Yes	Yes	Yes
LTE Band 25	Yes	Yes	Yes	Yes	Yes	Yes
LTE Band 5	Yes	Yes	Yes	Yes		
LTE Band 26	Yes	Yes	Yes	Yes	Yes	
LTE Band 4	Yes	Yes	Yes	Yes	Yes	Yes
LTE Band 66	Yes	Yes	Yes	Yes	Yes	Yes
LTE Band 38			Yes	Yes	Yes	Yes
LTE Band 41			Yes	Yes	Yes	Yes

2) LTE Bands tune up:

Band	Antenna	Head DSI2	Bodyworn DSI3	Hotspot DSI7	Extremity DSI6	Extremity DSI12	Sensor off DSI4	Default Tune-up Limit
LTE Band 12(17)	Ant 0	24.0	24.0	24.0	24.0	20.3	24.0	24.0
LTE Band 12(17)	Ant 1	24.0	21.7	24.0	21.7	21.7	21.7	24.0
LTE Band 25(2)	Ant 3	21.5	19.1	19.1	22.5	14.8	24.0	24.0
LTE Band 25(2)	Ant 2	24.0	20.8	20.1	22.8	15.9	24.0	24.0
LTE Band 25(2)	Ant 4	23.0	22.6	22.6	23.0	16.3	23.0	23.0
LTE Band 25(2)	Ant 0	23.0	22.7	21.8	22.9	17.5	23.0	23.0
LTE Band 26(5)	Ant 0	24.0	24.0	24.0	24.0	21.6	24.0	24.0
LTE Band 26(5)	Ant 1	24.0	21.4	24.0	21.4	21.4	21.4	24.0
LTE Band 66(4)	Ant 3	22.4	19.5	19.5	22.7	17.0	24.0	24.0
LTE Band 66(4)	Ant 2	24.0	21.0	19.7	22.8	15.6	24.0	24.0
LTE Band 66(4)	Ant 4	23.0	22.3	22.3	23.0	18.1	23.0	23.0
LTE Band 66(4)	Ant 0	23.0	20.8	19.6	23.0	18.1	23.0	23.0
LTE Band 41(38) PC3	Ant 3	18.5	19.2	18.6	23.9	15.0	24.0	24.0
LTE Band 41 PC2	Ant 3	20.1	20.8	20.2	25.5	16.6	27.0	27.0
LTE Band 41(38) PC3	Ant 2	24.0	22.4	22.0	24.0	15.7	24.0	24.0
LTE Band 41 PC2	Ant 2	27.0	24.0	23.6	25.6	17.3	27.0	27.0
LTE Band 41(38) PC3	Ant 4	23.0	22.9	22.7	23.0	16.3	23.0	23.0
LTE Band 41 PC2	Ant 4	26.0	24.5	24.3	25.4	17.9	26.0	26.0
LTE Band 41(38) PC3	Ant 0	24.0	23.9	23.6	24.0	16.2	24.0	24.0
LTE Band 41 PC2	Ant 0	27.0	25.5	25.2	27.0	17.8	27.0	27.0

Note: For some bands/antennas at some exposure conditions which cannot be covered were fully tested for RF exposure compliance.

4.3 General 5G NR SAR Test and Reporting Considerations

5G NR Information	
Operating Frequency Range of each 5G NR transmission band	5G NR n2: 1850 MHz ~ 1910 MHz 5G NR n5: 824 MHz ~ 849 MHz 5G NR n7: 2500 MHz ~ 2570 MHz 5G NR n12: 699 MHz ~ 716 MHz 5G NR n13: 777 MHz ~ 787 MHz 5G NR n14: 788 MHz ~ 798 MHz 5G NR n25: 1850 MHz ~ 1915 MHz 5G NR n26: 814 MHz ~ 849 MHz 5G NR n30: 2305 MHz ~ 2315 MHz 5G NR n38: 2570 MHz ~ 2620 MHz 5G NR n41: 2496 MHz ~ 2690 MHz 5G NR n48: 3550 MHz ~ 3700 MHz 5G NR n66: 1710 MHz ~ 1780 MHz 5G NR n70: 1695 MHz ~ 1710 MHz 5G NR n71: 663 MHz ~ 698 MHz 5G NR n77: 3700 MHz ~ 3980 MHz, 3450MHz ~ 3550MHz 5G NR n78: 3700 MHz ~ 3800 MHz, 3450MHz ~ 3550MHz
Channel Bandwidth	The detail please refers to section 4.1 5GNR FR1 bands table.
SCS	FDD: SCS15KHz, TDD: SCS30KHz
uplink modulations used	DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM
A-MPR (Additional MPR) disabled for SAR Testing?	Yes
LTE Anchor Bands for n2	LTE B4/5/66/12/13/14/30/48/71/7
LTE Anchor Bands for n5	LTE B2/30/4/48/66/7
LTE Anchor Bands for n7	LTE B2/4/5/66
LTE Anchor Bands for n25	LTE B7/12/66
LTE Anchor Bands for n26	LTE B7
LTE Anchor Bands for n38	LTE B2/66
LTE Anchor Bands for n41	LTE B2/4/5/12/25/66/71
LTE Anchor Bands for n48	LTE B71
LTE Anchor Bands for n30	LTE B2/12/14/5/66
LTE Anchor Bands for n66	LTE B2/5/7/14/30/48/71/13/12
LTE Anchor Bands for n71	LTE B2/7/48/66
LTE Anchor Bands for n77	LTE B2/5/7/30/14/25/41/66/71/13/12
LTE Anchor Bands for n78	LTE B2/4/5/7/12/13/25/38/41/66/71

Transmission (H, M, L) channel numbers and frequencies in each 5G NR band															
NR Band 2															
Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 35MHz		Bandwidth 40MHz	
Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L 370500	1852.5	371000	1855	371500	1857.5	372000	1860	372500	1862.5	373000	1865	373500	1867.5	374000	1870
M 376000	1880	376000	1880	376000	1880	376000	1880	376000	1880	376000	1880	376000	1880	376000	1880
H 381500	1907.5	381000	1905	380500	1902.5	380000	1900	379500	1897.5	379000	1895	378500	1892.5	378000	1890

NR Band 5								
Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		
Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	
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 35MHz		Bandwidth 40MHz		Bandwidth 50MHz	
Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L 500500	2502.5	501000	2505	501500	2507.5	502000	2510	502500	2512.5	503000	2515	503500	2517.5	504000	2520	505000	2525
M 507000	2535	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535
H 513500	2567.5	513000	2565	512500	2562.5	512000	2560	511500	2557.5	511000	2555	510500	2552.5	510000	2550	509000	2545

NR Band 12						
Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		
Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	
L 140300	701.5	140800	704	141300	706.5	
M 141500	707.5	141500	707.5	141500	707.5	
H 142700	713.5	142200	711	141700	708.5	

NR Band 13				
	Bandwidth 5MHz		Bandwidth 10MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	155900	779.5	156400	782
M	156400	782		
H	156900	784.5		

NR Band 14				
	Bandwidth 5MHz		Bandwidth 10MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	158100	790.5	158600	793
M	158600	793		
H	159100	795.5		

NR Band 25																
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 35MHz		Bandwidth 40MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	370500	1852.5	371000	1855	371500	1857.5	372000	1860	372500	1862.5	373000	1865	373500	1867.5	374000	1870
M	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5
H	382500	1912.5	382000	1910	381500	1907.5	381000	1905	380500	1902.5	380000	1900	379500	1897.5	379000	1895

NR Band 26								
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	163300	816.5	163800	819	164300	821.5	164800	824
M	166300	831.5	166300	831.5	166300	831.5	166300	831.5
H	169300	846.5	168800	844	168300	841.5	167800	839

NR Band 30				
	Bandwidth 5MHz		Bandwidth 10MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	461500	2307.5	462000	2310
M	462000	2310		
H	462500	2312.5		

NR Band 66																
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 35MHz		Bandwidth 40MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	342500	1712.5	343000	1715	343500	1717.5	344000	1720	344500	1722.5	345000	1725	345500	1727.5	346000	1730
M	349000	1745	349000	1745	349000	1745	349000	1745	349000	1745	349000	1745	349000	1745	349000	1745
H	355500	1777.5	355000	1775	354500	1772.5	354000	1770	353500	1767.5	353000	1765	352500	1762.5	352000	1760

NR Band 71														
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 35MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	133100	665.5	133600	668	134100	670.5	134600	673	135100	675.5	135600	678		
M	136100	680.5	136100	680.5	136100	680.5	136100	680.5	136100	680.5	136100	680.5	136100	680.5
H	139100	695.5	138600	693	138100	690.5	137600	688	137100	685.5	136600	683		

NR Band 70						
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	339500	1697.5	340000	1700	340500	1702.5
M	340500	1702.5	340500	1702.5		
H	341500	1707.5	341000	1705		

NR Band 38												
	Bandwidth10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 40MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	515004	2575.02	515502	2577.51	516000	2580	516504	2582.52	517002	2585.01	518004	2590.02
M	519000	2595	519000	2595	519000	2595	519000	2595	519000	2595	519000	2595
H	522996	2614.98	522498	2612.49	522000	2610	521496	2607.48	520998	2604.99	519996	2599.98



NR Band 41															
Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 35MHz		Bandwidth 40MHz		Bandwidth 45MHz	
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	501702	2508.51	502200	2511	502704	2513.52	503202	2516.01	503700
M	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598
H	537000	2685	536496	2682.48	535998	2679.99	535500	2677.5	534996	2674.98	534498	2672.49	534000	2670	533496

NR Band 77 SCS30KHz															
Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		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)	Ch. #	Freq. (MHz)
L	647000	3705	647168	3707.52	647334	3710.01	647500	3712.5	647668	3715.02	648000	3720	648334	3725.01	648668
M	656000	3840	656000	3840	656000	3840	656000	3840.00	656000	3840.00	656000	3840	656000	3840	656000
H	665000	3975	664832	3972.48	664666	3969.99	664500	3967.50	664332	3964.98	664000	3960	663666	3954.99	663332

NR Band 78 SCS30KHz															
Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		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)	Ch. #	Freq. (MHz)
L	647000	3705	647168	3707.52	647334	3710.01	647500	3712.5	647668	3715.02	648000	3720	648334	3725.01	648668
M	650000	3750	650000	3750	650000	3750	650000	3750.00	650000	3750.00	650000	3750	650000	3750	650000
H	653000	3795	652832	3792.48	652666	3789.99	652500	3787.5	652332	3784.98	652000	3780	651666	3774.99	651332

NR Band 48					
Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz	
Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	637000	3555	637168	3557.52	637334
M	641666	3624.99	641666	3624.99	641666
H	646332	3694.98	646166	3692.49	646000

NR Band 77 SCS30KHz															
Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		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)	Ch. #	Freq. (MHz)
L	630334	3455.01	630500	3457.5	630668	3460.02	630834	3462.51	631000	3465	631334	3470.01	631668	3475.02	632000
M	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332
H	636332	3544.98	636166	3542.49	636000	3540	635832	3537.48	635666	3534.99	635332	3529.98	635000	3525	634666

NR Band 78 SCS30KHz															
Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		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)	Ch. #	Freq. (MHz)
L	630334	3455.01	630500	3457.5	630668	3460.02	630834	3462.51	631000	3465	631334	3470.01	631668	3475.02	632000
M	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332
H	636332	3544.98	636166	3542.49	636000	3540	635832	3537.48	635666	3534.99	635332	3529.98	635000	3525	634666

**<For NR Overlap Bands Description>****1) NR Bands BW**

Band	5 MHz	10 MHz	15 MHz	20 MHz	25 MHz	30 MHz	35 MHz	40 MHz	45 MHz	50 MHz	60 MHz	70 MHz	80 MHz	90 MHz	100 MHz
FR1 n2	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes							
FR1 n25	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes							
FR1 n5	Yes	Yes	Yes	Yes											
FR1 n26	Yes	Yes	Yes	Yes											
FR1 n38		Yes	Yes	Yes	Yes	Yes		Yes							
FR1 n41		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FR1 n77		Yes	Yes	Yes	Yes	Yes		Yes		Yes	Yes	Yes	Yes	Yes	Yes
FR1 n78		Yes	Yes	Yes	Yes	Yes		Yes		Yes	Yes	Yes	Yes	Yes	Yes

2) NR Bands Tune up:

Band	Antenna	Head DSI2	Bodyworn DSI3	Hotspot DSI7	Extremity DSI6	Extremity DSI12	Sensor off DSI4	Default Tune-up Limit
FR1 n25(2)	Ant 3	21.0	19.3	18.4	21.7	15.1	24.0	24.0
FR1 n25(2)	Ant 2	24.0	20.2	19.9	22.6	14.8	24.0	24.0
FR1 n26(5)	Ant 0	24.0	24.0	24.0	24.0	21.4	24.0	24.0
FR1 n26(5)	Ant 1	24.0	20.8	24.0	20.8	20.8	20.8	24.0
FR1 n41(38) PC3	Ant 3	16.4	17.5	16.7	21.3	13.6	23.5	24.0
FR1 n41 PC2	Ant 3	19.4	20.5	19.7	24.3	16.6	26.5	27.0
FR1 n41(38) PC3	Ant 2	24.0	19.8	20.0	21.8	12.8	24.0	24.0
FR1 n41 PC2	Ant 2	27.0	22.8	23.0	24.8	15.8	27.0	27.0
FR1 n41(38) PC3	Ant 4	23.0	21.6	21.6	23.0	15.0	23.0	23.0
FR1 n41 PC2	Ant 4	26.0	24.6	24.6	26.0	18.0	26.0	26.0
FR1 n41(38) PC3	Ant 0	24.0	24.0	22.7	24.0	20.4	24.0	24.0
FR1 n41 PC2	Ant 0	27.0	27.0	25.7	27.0	23.4	27.0	27.0
FR1 n77(78) Part 27Q PC3	Ant 2	24.0	19.5	18.4	21.9	11.4	24.0	24.0
FR1 n77(78) Part 27Q PC2	Ant 2	27.0	22.5	21.4	24.9	14.4	27.0	27.0
FR1 n77(78) Part 27O PC3	Ant 2	24.0	19.5	18.4	21.9	11.4	24.0	24.0
FR1 n77(78) Part 27O PC2	Ant 2	27.0	22.5	21.4	24.9	14.4	27.0	27.0
FR1 n77(78) Part 27Q PC3	Ant 4	24.0	20.2	20.2	22.3	12.8	24.0	24.0
FR1 n77(78) Part 27Q PC2	Ant 4	27.0	23.2	23.2	25.3	15.8	27.0	27.0
FR1 n77(78) Part 27O PC3	Ant 4	24.0	20.2	20.2	22.3	12.8	24.0	24.0
FR1 n77(78) Part 27O PC2	Ant 4	27.0	23.2	23.2	25.3	15.8	27.0	27.0
FR1 n77(78) Part 27Q PC3	Ant 6	24.0	19.4	19.4	22.6	12.6	24.0	24.0
FR1 n77(78) Part 27Q PC2	Ant 6	27.0	22.4	22.4	25.6	15.6	27.0	27.0
FR1 n77(78) Part 27O PC3	Ant 6	24.0	19.4	19.4	22.6	12.6	24.0	24.0
FR1 n77(78) Part 27O PC2	Ant 6	27.0	22.4	22.4	25.6	15.6	27.0	27.0
FR1 n77(78) Part 27Q PC3	Ant 8	21.7	18.9	18.9	19.9	10.0	21.9	24.0
FR1 n77(78) Part 27Q PC2	Ant 8	24.7	21.9	21.9	22.9	13.0	24.9	27.0
FR1 n77(78) Part 27O PC3	Ant 8	21.7	18.9	18.9	19.9	10.0	21.9	24.0
FR1 n77(78) Part 27O PC2	Ant 8	24.7	21.9	21.9	22.9	13.0	24.9	27.0

Note: For some bands/antennas at some exposure conditions which cannot be covered were fully tested for RF exposure compliance.

5. Smart Transmit feature for RF Exposure compliance

The Qualcomm® Smart Transmit™ Plus of Smart Transmit (GEN2) Feature operates based on pre-defined sub6 antenna groups (AG). This Device is enabled with the Qualcomm® Smart Transmit Gen2 feature. The RF exposure limit is defined based on time-averaged RF exposure. The product implements Qualcomm Smart Transmit feature which controls the instantaneous transmitting power for WWAN and WLAN/BT transmitter to ensure the product in compliance with RF exposure limit over a defined time window. To control and manage transmitting power in real time and to ensure at all times the time-averaged RF exposure is compliant to the regulation requirement.

This report describes the procedures for the SAR char generation, and the parameters obtained from SAR characterization (referred to as SAR char, respectively) will be used as input for Smart Transmit. SAR char will be entered via the Embedded File System (EFS) version 24 to enable the Smart Transmit GEN2 Feature.

<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 SAR limit to account for all device design related uncertainty.
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 WWAN and WLAN/BT bands. It will then be used as input for Smart Transmit to control and manage RF exposure for WWAN and WLAN/BT bands.

<SAR design target and uncertainty>

Item		Uncertainty dB (k=2)
Total uncertainty	WWAN	1.5
	WLAN/BT	2.0

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

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

Antenna Group:

Antenna Group 0 (AG0)	ANT1 & ANT4 & ANT3 & ANT6 & ANT7 & ANT8 & ANT11
Antenna Group 1 (AG1)	ANT0 & ANT2 & ANT1



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.

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

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

Band	Antenna	Head DSI2	Bodyworn DSI3	Extremity DSI6	Hotspot DSI7	Body DSI12	Sensor off DSI4	Pmax
GSM850	Ant 0	33.8	26.2	24.7	26.2	23.3	24.0	24.7
GSM850	Ant 1	31.9	21.6	21.6	27.1	21.6	21.6	24.7
GSM1900	Ant 3	21.5	18.3	22.1	18.3	15.1	21.0	21.2
GSM1900	Ant 4	25.4	23.1	19.7	23.1	15.3	19.5	19.7
WCDMA II	Ant 3	20.8	17.6	21.1	17.6	13.9	23.0	23.0
WCDMA II	Ant 4	22.4	21.0	23.1	20.8	14.6	23.0	23.0
WCDMA IV	Ant 3	21.3	18.8	21.2	18.8	14.2	23.0	23.0
WCDMA IV	Ant 4	25.3	21.2	22.8	21.2	14.6	23.0	23.0
WCDMA V	Ant 0	31.7	23.1	26.7	23.1	21.8	23.0	23.0
WCDMA V	Ant 1	29.1	20.5	20.5	24.0	20.5	20.5	23.0
LTE Band 7	Ant 3	14.4	16.1	20.6	15.4	11.9	23.0	23.0
LTE Band 7	Ant 2	33.8	20.9	22.1	20.9	13.6	23.0	23.0
LTE Band 7	Ant 4	26.1	21.2	22.2	20.8	13.2	22.0	22.0
LTE Band 7	Ant 0	31.4	23.3	23.4	20.8	13.9	23.0	23.0
LTE Band 12(17)	Ant 0	31.9	24.3	23.0	23.4	19.3	23.0	23.0
LTE Band 12(17)	Ant 1	30.0	20.7	20.7	23.5	20.7	20.7	23.0
LTE Band 13	Ant 0	32.4	24.0	23.0	23.6	19.8	23.0	23.0
LTE Band 13	Ant 1	30.3	20.4	20.4	23.6	20.4	20.4	23.0
LTE Band 14	Ant 0	32.4	23.9	23.0	23.9	21.2	23.0	23.0
LTE Band 14	Ant 1	29.8	20.6	20.6	23.4	20.6	20.6	23.0
LTE Band 25(2)	Ant 3	20.5	18.1	21.5	18.1	13.8	23.0	23.0
LTE Band 25(2)	Ant 2	34.3	19.8	21.8	19.1	14.9	23.0	23.0
LTE Band 25(2)	Ant 4	23.1	21.6	22.8	21.6	15.3	22.0	22.0
LTE Band 25(2)	Ant 0	45.1	21.7	21.9	20.8	16.5	22.0	22.0
LTE Band 26(5)	Ant 0	31.2	23.1	25.9	23.1	20.6	23.0	23.0
LTE Band 26(5)	Ant 1	29.5	20.4	20.4	23.3	20.4	20.4	23.0
LTE Band 30	Ant 3	19.5	19.6	22.8	19.1	13.7	23.0	23.0
LTE Band 30	Ant 2	35.4	21.3	22.1	21.3	15.8	23.0	23.0
LTE Band 30	Ant 4	29.1	21.9	22.8	21.9	15.3	22.0	22.0
LTE Band 30	Ant 0	31.6	22.5	23.9	22.5	16.4	23.0	23.0
LTE Band 66(4)	Ant 3	21.4	18.5	21.7	18.5	16.0	23.0	23.0
LTE Band 66(4)	Ant 2	34.8	20.0	21.8	18.7	14.6	23.0	23.0
LTE Band 66(4)	Ant 4	25.3	21.3	22.8	21.3	17.1	22.0	22.0
LTE Band 66(4)	Ant 0	42.7	19.8	22.7	18.6	17.1	22.0	22.0
LTE Band 71	Ant 0	32.7	25.4	23.0	23.8	20.2	23.0	23.0
LTE Band 71	Ant 1	31.1	19.8	19.8	24.1	19.8	19.8	23.0
LTE Band 41(38) PC3	Ant 3	15.5	16.2	20.9	15.6	12.0	22.4	21.0
LTE Band 41 PC2	Ant 3	15.5	16.2	20.9	15.6	12.0	22.4	22.4
LTE Band 41(38) PC3	Ant 2	33.4	19.4	21.0	19.0	12.7	22.4	21.0
LTE Band 41 PC2	Ant 2	33.4	19.4	21.0	19.0	12.7	22.4	22.4
LTE Band 41(38) PC3	Ant 4	26.5	19.9	20.8	19.7	13.3	21.4	20.0
LTE Band 41 PC2	Ant 4	26.5	19.9	20.8	19.7	13.3	21.4	21.4
LTE Band 41(38) PC3	Ant 0	32.9	20.9	25.2	20.6	13.2	22.4	21.0
LTE Band 41 PC2	Ant 0	32.9	20.9	25.2	20.6	13.2	22.4	22.4
LTE Band 42 Part 27Q	Ant 2	30.5	17.5	19.0	16.3	12.8	19.0	19.0
LTE Band 42 Part 96	Ant 2	30.5	17.5	19.0	16.3	12.8	19.0	19.0
LTE Band 42 Part 27Q	Ant 4	28.4	20.0	21.5	20.0	13.9	21.0	21.0
LTE Band 42 Part 96	Ant 4	28.4	20.0	21.5	20.0	13.9	21.0	21.0



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LTE Band 42 Part 27Q	Ant 6	25.5	17.9	20.4	17.8	13.6	20.0	20.0
LTE Band 42 Part 96	Ant 6	25.5	17.9	20.4	17.8	13.6	20.0	20.0
LTE Band 42 Part 27Q	Ant 8	20.0	16.3	19.6	16.3	11.3	21.0	21.0
LTE Band 42 Part 96	Ant 8	20.0	16.3	19.6	16.3	11.3	21.0	21.0
LTE Band 43 Part 96	Ant 2	30.5	17.0	19.0	16.2	11.5	19.0	19.0
LTE Band 43 Part 96	Ant 4	28.0	20.0	22.6	20.0	14.3	21.0	21.0
LTE Band 43 Part 96	Ant 6	25.4	17.8	20.4	17.8	15.4	20.0	20.0
LTE Band 43 Part 96	Ant 8	20.0	16.7	19.6	16.7	10.1	21.0	21.0
LTE Band 48_Part 96	Ant 2	30.5	17.7	19.0	17.0	12.4	19.0	19.0
LTE Band 48_Part 96	Ant 4	29.1	20.0	22.8	20.0	14.7	21.0	21.0
LTE Band 48_Part 96	Ant 6	26.9	17.9	20.5	17.8	16.7	20.0	20.0
LTE Band 48_Part 96	Ant 8	20.0	16.8	20.1	16.8	10.9	21.0	21.0
FR1 n7	Ant 3	15.4	16.3	20.2	15.8	10.6	22.5	23.0
FR1 n7	Ant 2	34.8	18.9	21.2	18.9	13.3	23.0	23.0
FR1 n7	Ant 4	26.8	20.8	23.3	20.8	14.3	22.0	22.0
FR1 n7	Ant 0	32.4	23.3	23.7	21.1	14.9	23.0	23.0
FR1 n12	Ant 0	33.3	26.3	23.0	24.6	21.2	23.0	23.0
FR1 n12	Ant 1	31.7	19.6	19.6	24.1	19.6	19.6	23.0
FR1 n13	Ant 0	33.9	25.6	23.0	27.4	21.5	23.0	23.0
FR1 n13	Ant 1	35.4	20.8	20.8	23.6	20.8	20.8	23.0
FR1 n14	Ant 0	33.5	25.2	23.0	25.2	20.7	23.0	23.0
FR1 n14	Ant 1	31.5	20.4	20.4	24.0	20.4	20.4	23.0
FR1 n25(2)	Ant 3	20.0	18.3	20.7	17.4	14.1	23.0	23.0
FR1 n25(2)	Ant 2	36.3	19.2	21.6	18.9	13.8	23.0	23.0
FR1 n26(5)	Ant 0	32.7	24.6	23.0	24.6	20.4	23.0	23.0
FR1 n26(5)	Ant 1	31.4	19.8	19.8	25.3	19.8	19.8	23.0
FR1 n30	Ant 3	19.2	19.4	22.7	18.6	14.6	23.0	23.0
FR1 n30	Ant 2	37.2	20.2	21.1	20.2	14.7	23.0	23.0
FR1 n30	Ant 4	27.8	22.1	23.5	22.1	15.2	22.0	22.0
FR1 n30	Ant 0	34.3	23.8	25.5	23.8	14.3	23.0	23.0
FR1 n66	Ant 3	22.2	20.2	22.0	19.3	14.7	23.0	23.0
FR1 n66	Ant 2	36.1	19.9	22.2	19.1	14.1	23.0	23.0
FR1 n70	Ant 3	24.4	20.7	25.1	21.0	15.4	23.0	23.0
FR1 n70	Ant 2	43.8	20.9	23.0	20.2	14.7	23.0	23.0
FR1 n71	Ant 0	33.7	26.9	23.0	25.2	22.0	23.0	23.0
FR1 n71	Ant 1	32.2	20.0	20.0	25.0	20.0	20.0	23.0
FR1 n41(38) PC3	Ant 3	15.4	16.5	20.3	15.7	12.6	22.5	23.0
FR1 n41 PC2	Ant 3	15.4	16.5	20.3	15.7	12.6	22.5	23.0
FR1 n41(38) PC3	Ant 2	34.1	18.8	20.8	19.0	11.8	23.0	23.0
FR1 n41 PC2	Ant 2	34.1	18.8	20.8	19.0	11.8	23.0	23.0
FR1 n41(38) PC3	Ant 4	27.7	20.6	22.5	20.6	14.0	22.0	22.0
FR1 n41 PC2	Ant 4	27.7	20.6	22.5	20.6	14.0	22.0	22.0
FR1 n41(38) PC3	Ant 0	30.8	23.8	24.3	21.7	19.4	23.0	23.0
FR1 n41 PC2	Ant 0	30.8	23.8	24.3	21.7	19.4	23.0	23.0
FR1 n48_Part 96	Ant 2	35.3	18.5	21.5	18.4	10.1	23.0	23.0
FR1 n48_Part 96	Ant 4	29.7	20.3	24.0	20.3	14.0	23.0	23.0
FR1 n48_Part 96	Ant 6	26.4	19.4	22.2	19.4	13.1	23.0	23.0
FR1 n48_Part 96	Ant 8	22.8	19.3	19.8	19.3	10.2	23.0	23.0
FR1 n77(78) Part 27Q PC3	Ant 2	33.2	18.5	20.9	17.4	10.4	23.0	23.0
FR1 n77(78) Part 27Q PC2	Ant 2	33.2	18.5	20.9	17.4	10.4	23.0	23.0
FR1 n77(78) Part 27Q PC3	Ant 2	33.2	18.5	20.9	17.4	10.4	23.0	23.0
FR1 n77(78) Part 27Q PC2	Ant 2	33.2	18.5	20.9	17.4	10.4	23.0	23.0
FR1 n77(78) Part 27Q PC3	Ant 4	26.9	19.2	21.3	19.2	11.8	23.0	23.0
FR1 n77(78) Part 27Q PC2	Ant 4	26.9	19.2	21.3	19.2	11.8	23.0	23.0
FR1 n77(78) Part 27Q PC3	Ant 4	26.9	19.2	21.3	19.2	11.8	23.0	23.0
FR1 n77(78) Part 27Q PC2	Ant 4	26.9	19.2	21.3	19.2	11.8	23.0	23.0



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FR1 n77(78) Part 27Q PC3	Ant 6	23.2	18.4	21.6	18.4	11.6	23.0	23.0
FR1 n77(78) Part 27Q PC2	Ant 6	23.2	18.4	21.6	18.4	11.6	23.0	23.0
FR1 n77(78) Part 27O PC3	Ant 6	23.2	18.4	21.6	18.4	11.6	23.0	23.0
FR1 n77(78) Part 27O PC2	Ant 6	23.2	18.4	21.6	18.4	11.6	23.0	23.0
FR1 n77(78) Part 27Q PC3	Ant 8	20.7	17.9	18.9	17.9	9.0	20.9	23.0
FR1 n77(78) Part 27Q PC2	Ant 8	20.7	17.9	18.9	17.9	9.0	20.9	23.0
FR1 n77(78) Part 27O PC3	Ant 8	20.7	17.9	18.9	17.9	9.0	20.9	23.0
FR1 n77(78) Part 27O PC2	Ant 8	20.7	17.9	18.9	17.9	9.0	20.9	23.0
Bluetooth	Ant 7	29.9	26.4	17.9	26.4	13.3	17.9	17.9
Bluetooth	Ant 11	35.2	24.9	18.3	24.9	18.9	18.3	18.3
WLAN2.4G	Ant7	22.0	19.8	22.8	20.0	14.5	21.0	21.0
WLAN2.4G	Ant11	22.0	19.8	22.8	20.0	14.5	21.0	21.0
WLAN2.4G	Ant7+11	22,22	19.8,19.8	22.8,22.8	23.0	14.5,14.5	21,21	24.0
WLAN5.2G	Ant6	19.3	13.8	13.8	15.1	7.0	13.8	19.0
WLAN5.2G	Ant1	19.3	13.8	13.8	15.1	7.0	13.8	19.5
WLAN5.2G	Ant6+1	19.3,19.3	13.8,13.8	13.8,13.8	15.1,15.1	7,7	13.8,13.8	22.3
WLAN5.3G	Ant6	19.3	15.3	17.9		6.5	20.0	20.0
WLAN5.3G	Ant1	19.3	15.3	17.9		6.5	20.0	19.5
WLAN5.3G	Ant6+1	19.3,19.3	15.3,15.3	17.9,17.9		6.5,6.5	20,20	22.8
WLAN5.5G	Ant6	19.3	16.8	16.8		6.5	16.8	20.0
WLAN5.5G	Ant1	19.3	16.8	16.8		6.5	16.8	19.5
WLAN5.5G	Ant6+1	19.3,19.3	16.8,16.8	16.8,16.8		6.5,6.5	16.8,16.8	22.8
WLAN5.8G	Ant6	20.9	17.9	17.9	18.0	7.5	17.9	20.5
WLAN5.8G	Ant1	20.9	17.9	17.9	18.0	7.5	17.9	20.5
WLAN5.8G	Ant6+1	20.9,20.9	17.9,17.9	17.9,17.9	18,18	7.5,7.5	17.9,17.9	23.5
WLAN6E B5	Ant6	21.2	12.3	12.3		7.5	15.0	15.0
WLAN6E B5	Ant1	21.2	12.3	12.3		7.5	15.5	15.5
WLAN6E B5	Ant6+1	21.2,21.2	12.3,12.3	12.3,12.3		7.5,7.5	15,15	18.3
WLAN6E B6	Ant6	20.2	12.5	12.5		7.0	15.5	15.5
WLAN6E B6	Ant1	20.2	12.5	12.5		7.0	15.5	15.5
WLAN6E B6	Ant6+1	20.2,20.2	12.5,12.5	12.5,12.5		7,7	15,15	18.5
WLAN6E B7	Ant6	18.6	11.8	11.8		5.5	15.5	15.5
WLAN6E B7	Ant1	18.6	11.8	11.8		5.5	15.5	15.5
WLAN6E B7	Ant6+1	18.6,18.6	11.8,11.8	11.8,11.8		5.5,5.5	15,15	18.5
WLAN6E B8	Ant6	18.1	12.3	12.3		5.5	17.5	17.5
WLAN6E B8	Ant1	18.1	12.3	12.3		5.5	17.5	17.5
WLAN6E B8	Ant6+1	18.1,18.1	12.3,12.3	12.3,12.3		5.5,5.5	17.5,17.5	20.5
FR1 n7 PC2	Ant3+2	15.4,15.4	16.3,16.3	20.2,20.2	15.8,15.8	10.6,10.6	22.5,22.5	26.0
FR1 n7 PC2	Ant4+2	26.8,26.8	18.9,18.9	21.2,21.2	18.9,18.9	13.3,13.3	22.5,22.5	25.5
FR1 n7 PC2	Ant3+0	15.4,15.4	16.3,16.3	20.2,20.2	15.8,15.8	10.6,10.6	23,23	26.0
FR1 n7 PC2	Ant4+0	26.8,26.8	20.8,20.8	23.3,23.3	20.8,20.8	14.3,14.3	22,22	25.5
FR1 n25(2) PC2	Ant3+2	20,20	18.3,18.3	20.7,20.7	17.4,17.4	13.8,13.8	23,23	26.0
FR1 n30 PC2	Ant3+2	19.2,19.2	19.4,19.4	21.1,21.1	18.6,18.6	14.6,14.6	23,23	26.0
FR1 n30	Ant4+2	27.8,27.8	20.2,20.2	21.1,21.1	20.2,20.2	14.7,14.7	22.5,22.5	25.5
FR1 n30 PC2	Ant3+0	19.2,19.2	19.4,19.4	22.7,22.7	18.6,18.6	14.3,14.3	23,23	26.0
FR1 n30 PC2	Ant4+0	27.8,27.8	22.1,22.1	23.5,23.5	22.1,22.1	14.3,14.3	22,22	25.5
FR1 n41 PC2	Ant3+2	15.4,15.4	16.5,16.5	20.3,20.3	15.7,15.7	11.8,11.8	22.5,22.5	23.0
FR1 N41 PC1.5	Ant3+2	15.4,15.4	16.5,16.5	20.3,20.3	15.7,15.7	11.8,11.8	22.5,22.5	23.0
FR1 n41 PC2	Ant4+2	27.7,27.7	18.8,18.8	20.8,20.8	19,19	11.8,11.8	22.5,22.5	22.5
FR1 N41 PC1.5	Ant4+2	27.7,27.7	18.8,18.8	20.8,20.8	19,19	11.8,11.8	22.5,22.5	22.5
FR1 n41 PC2	Ant3+0	15.4,15.4	16.5,16.5	20.3,20.3	15.7,15.7	12.6,12.6	22.5,22.5	23.0
FR1 n41 PC1.5	Ant3+0	15.4,15.4	16.5,16.5	20.3,20.3	15.7,15.7	12.6,12.6	22.5,22.5	23.0
FR1 n41 PC2	Ant4+0	27.7,27.7	20.6,20.6	22.5,22.5	20.6,20.6	14,14	22,22	22.5
FR1 N41 PC1.5	Ant4+0	27.7,27.7	20.6,20.6	22.5,22.5	20.6,20.6	14,14	22,22	22.5
FR1 n48	Ant8+4	22.8,22.8	19.3,19.3	19.8,19.8	19.3,19.3	10.2,10.2	23,23	23.0
FR1 n48	Ant2+4	29.7,29.7	18.5,18.5	21.5,21.5	18.4,18.4	10.1,10.1	23,23	23.0



FR1 n48	Ant8+6	22.8,22.8	19.3,19.3	19.8,19.8	19.3,19.3	10.2,10.2	23,23	23.0
FR1 n48	Ant2+6	26.4,26.4	18.5,18.5	21.5,21.5	18.4,18.4	10.1,10.1	23,23	23.0
FR1 n66 PC2	Ant3+2	22.2,22.2	19.9,19.9	22.2,22.2	19.1,19.1	14.1,14.1	23,23	26.0
FR1 n77(78) PC2	Ant8+4	20.7,20.7	17.9,17.9	18.9,18.9	17.9,17.9	9,9	20.9,20.9	23.0
FR1 n77(78) PC1.5	Ant8+4	20.7,20.7	17.9,17.9	18.9,18.9	17.9,17.9	9,9	20.9,20.9	23.0
FR1 n77(78) PC2	Ant2+4	26.9,26.9	18.5,18.5	20.9,20.9	17.4,17.4	10.4,10.4	23,23	23.0
FR1 n77(78) PC1.5	Ant2+4	26.9,26.9	18.5,18.5	20.9,20.9	17.4,17.4	10.4,10.4	23,23	23.0
FR1 n77(78) PC2	Ant8+6	20.7,20.7	17.9,17.9	18.9,18.9	17.9,17.9	9,9	20.9,20.9	23.0
FR1 n77(78) PC1.5	Ant8+6	20.7,20.7	17.9,17.9	18.9,18.9	17.9,17.9	9,9	20.9,20.9	23.0
FR1 n77(78) PC2	Ant2+6	23.2,23.2	18.4,18.4	20.9,20.9	17.4,17.4	10.4,10.4	23,23	23.0
FR1 n77(78) PC1.5	Ant2+6	23.2,23.2	18.4,18.4	20.9,20.9	17.4,17.4	10.4,10.4	23,23	23.0

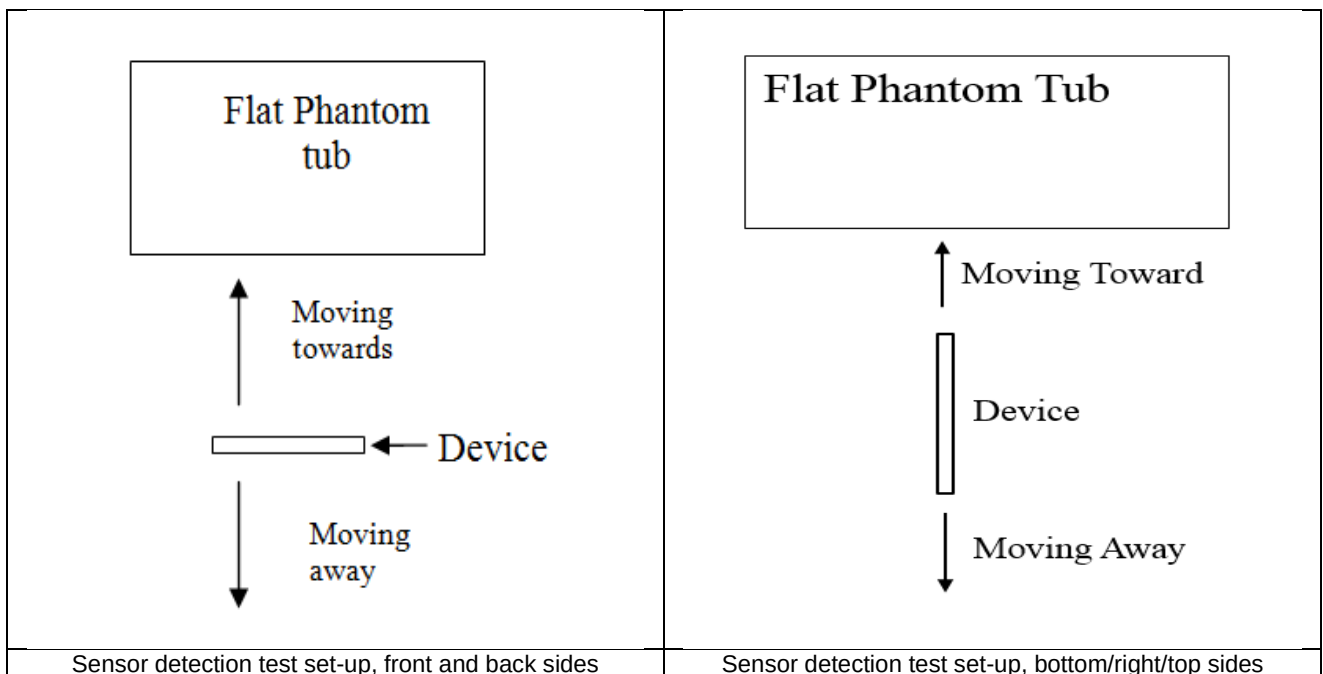
Note:

- 1) *Pmax is used for RF tune up procedure. The maximum allowed output power is equal to Pmax + Total uncertainty. (The DUT's device uncertainty is 1.0 dB for Sub-6GHz WWAN and 1.5 dB for WLAN/BT bands.)
- 2) All Plimit 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 & WLAN/BT).
- 3) The max allowed output power is the Plimit + Total uncertainty, and if Plimit is higher than Pmax, the device output power will be Pmax instead.

6. Proximity Sensor Triggering Test

<Proximity Sensor Triggering Distance>:

1. Proximity sensor triggering distance testing was performed according to the procedures outlined in KDB 616217 D04 section 6.2, and EUT moving further away from the flat phantom and EUT moving toward the flat phantom were both assessed and the tissue-equivalent medium for highest frequency (7125MHz) and lowest (750MHz) frequency was used for proximity sensor triggering testing.
2. Capacitive proximity sensors placed coincident with antenna elements at the top and bottom ends of the phone are utilized to determine when the device comes in proximity of the user's body at the front or back of the device. The output power will reduce to body worn power level when top and bottom sensor pad be detected.
3. The device employs proximity sensors also can detect the presence of the user's a finger or hand when handheld state at the front/back/top/bottom /right sides of the device. When front/back/top/bottom /right sides of handheld condition is detected reduced power will be active.
4. The sensors can use to detect the proximity of the user's body or handheld states at the front or back or top or right or bottom side of the device use a detection threshold distance. When front/back/top/right/ bottom sides of body or handheld condition is detected reduced power will be active. The trigger distance shown in the sections below.
5. For verification of compliance of power reduction scheme, additional SAR testing with EUT transmitting at full RF power at a conservative trigger distance -1mm was performed.



**<Flip-Open Mode>
<P-Sensor>**

Proximity Sensor Triggering Distance (mm)				
Position	Front		Back	
	Moving towards	Moving away	Moving towards	Moving away
Minimum	13	19	16	21

<Handheld for ANT 0&2>

Proximity Sensor Triggering Distance (mm)								
Position	Front		Back		Right Side		Bottom Side	
	Moving towards	Moving away	Moving towards	Moving away	Moving towards	Moving away	Moving towards	Moving away
Minimum	19	24	16	22	20	25	15	20

<Handheld for ANT6&3&8>

Proximity Sensor Triggering Distance (mm)						
Position	Front		Back		Top Side	
	Moving towards	Moving away	Moving towards	Moving away	Moving towards	Moving away
Minimum	11	16	12	15	16	21

<Handheld for ANT4&7>

Proximity Sensor Triggering Distance (mm)								
Position	Front		Back		Right Side		Top Side	
	Moving towards	Moving away	Moving towards	Moving away	Moving towards	Moving away	Moving towards	Moving away
Minimum	15	21	10	14	16	21	10	16

**<Flip-Close Mode>
<P-Sensor>**

Proximity Sensor Triggering Distance (mm)				
Position	Front		Back	
	Moving towards	Moving away	Moving towards	Moving away
Minimum	10	13	14	19

<Handheld for ANT 0&2>

Proximity Sensor Triggering Distance (mm)								
Position	Front		Back		Right Side		Bottom Side	
	Moving towards	Moving away	Moving towards	Moving away	Moving towards	Moving away	Moving towards	Moving away
Minimum	11	15	11	16	10	13	7	12

<Handheld for ANT6&8>

Proximity Sensor Triggering Distance (mm)				
Position	Back		Top Side	
	Moving towards	Moving away	Moving towards	Moving away
Minimum	5	9	8	14

<Handheld for ANT4&7>

Proximity Sensor Triggering Distance (mm)						
Position	Back		Right Side		Top Side	
	Moving towards	Moving away	Moving towards	Moving away	Moving towards	Moving away
Minimum	7	11	9	14	8	14

<Handheld for ANT 3>

Proximity Sensor Triggering Distance (mm)						
Position	Front		Back		Top Side	
	Moving towards	Moving away	Moving towards	Moving away	Moving towards	Moving away
Minimum	8	13	5	9	8	14

7. RF Exposure Limits

7.1 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.

7.2 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

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.

7.3 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. The unit of power density evaluation is W/m² or mW/cm².

Peak Spatially Averaged Power Density was evaluated over a square 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

Note: 1.0 mW/cm² is 10 W/m²

8. Specific Absorption Rate (SAR)

8.1 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.

8.2 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:

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

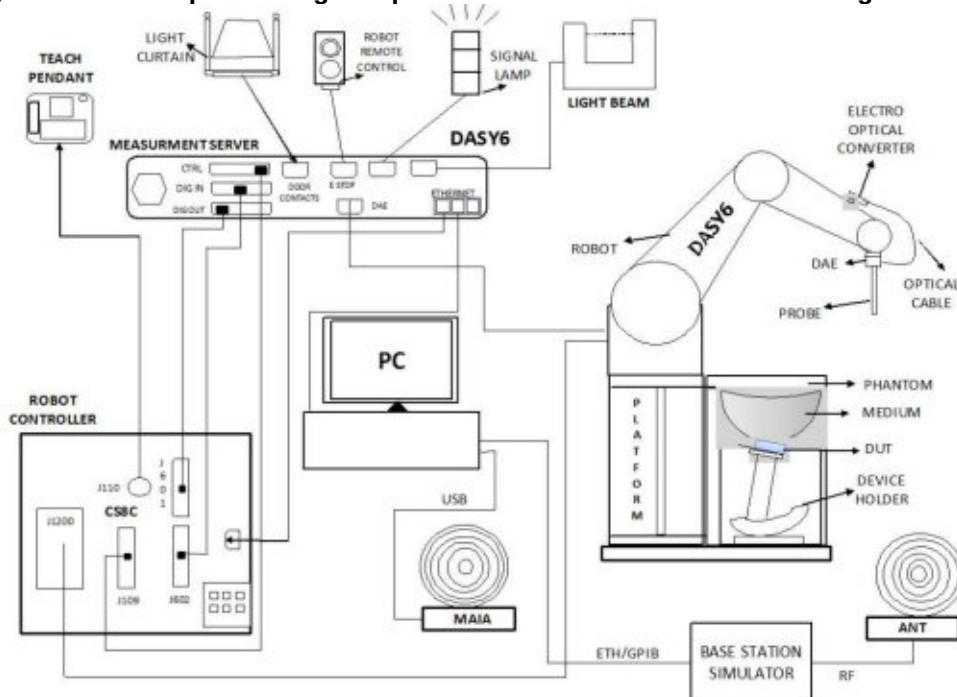
SAR is expressed in units of Watts per kilogram (W/kg)

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

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

9. System Description and Setup

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



- 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 Win7 or Win10 and the DASY5 or DASY6⁽¹⁾ 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.

Note: 1. DASY6 software used: DASY6 mmWave V3.2.0.1840 and older generations and used the developed Plane-to-Plane Phase Reconstruction (PTP-PR) Algorithm which was used in PD measurement.

9.1 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.

<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 – 10 GHz Linearity: ± 0.2 dB (30 MHz – 10 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	

<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	10 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: 2.0 mm	

9.2 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.



Photo of DAE

9.3 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 or for evaluating transmitters operating at low frequencies. ELI is fully compatible with standard and all known tissue simulating liquids.

9.4 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 head, 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

10. Measurement Procedures

The measurement procedures are as follows:

<Conducted power measurement>

- (a) For WWAN power measurement, use base station simulator to configure EUT WWAN transmission in conducted connection with RF cable, at maximum power in each supported wireless interface and frequency band.
- (b) Read the WWAN RF power level from the base station simulator.
- (c) For WLAN/BT power measurement, use engineering software to configure EUT WLAN/BT continuously transmission, at maximum RF power in each supported wireless interface and frequency band
- (d) Connect EUT RF port through RF cable to the power meter, and measure WLAN/BT output power

<SAR measurement>

- (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

10.1 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

10.2 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.

10.3 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 dB) 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.	

10.4 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 <u>reported</u> SAR from the <u>area scan based 1-g SAR estimation</u> 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.				

10.5 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.

10.6 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.



11. Test Equipment List

Manufacturer	Name of Equipment	Type/Model	Serial Number	Last Cal.	Due Date
SPEAG	750MHz System Validation Kit	D750V3	1087	Mar. 12, 2025	Mar. 11, 2026
SPEAG	835MHz System Validation Kit	D835V2	4d298	Jan. 26, 2024	Jan. 24, 2026
SPEAG	1750MHz System Validation Kit	D1750V2	1090	Mar. 12, 2025	Mar. 11, 2026
SPEAG	1900MHz System Validation Kit	D1900V2	5d170	Jun. 30, 2025	Jun. 29, 2026
SPEAG	2300MHz System Validation Kit	D2300V2	1055	Aug. 21, 2023	Aug. 19, 2026
SPEAG	2450MHz System Validation Kit	D2450V2	1095	Feb. 08, 2024	Feb. 06, 2026
SPEAG	2600MHz System Validation Kit	D2600V2	1112	Dec. 18, 2023	Dec. 15, 2026
SPEAG	3500MHz System Validation Kit	D3500V2	1037	Nov. 20, 2023	Nov. 17, 2026
SPEAG	3700MHz System Validation Kit	D3700V2	1008	Nov. 20, 2023	Nov. 17, 2026
SPEAG	3900MHz System Validation Kit	D3900V2	1048	Mar. 09, 2023	Mar. 06, 2026
SPEAG	5000MHz System Validation Kit	D5GHzV2	1113	Sep. 17, 2025	Sep. 16, 2026
SPEAG	6500MHz System Validation Kit	D6.5GHzV2	1026	Jan. 28, 2025	Jan. 27, 2026
SPEAG	5G Verification Source	10GHz	2002	Feb. 20, 2025	Feb. 19, 2026
SPEAG	Data Acquisition Electronics	DAE4	1338	Mar. 18, 2025	Mar. 17, 2026
SPEAG	Data Acquisition Electronics	DAE4	1358	Jul. 15, 2025	Jul. 14, 2026
SPEAG	Data Acquisition Electronics	DAE4	690	Oct. 22, 2025	Oct. 21, 2026
SPEAG	Data Acquisition Electronics	DAE4	1649	Aug. 27, 2025	Aug. 26, 2026
SPEAG	Data Acquisition Electronics	DAE4	1691	Jun. 04, 2025	Jun. 03, 2026
SPEAG	Dosimetric E-Field Probe	EX3DV4	7764	Oct. 22, 2025	Oct. 21, 2026
SPEAG	Dosimetric E-Field Probe	ES3DV3	3169	May. 19, 2025	May. 18, 2026
SPEAG	Dosimetric E-Field Probe	EX3DV4	7576	Nov. 04, 2025	Nov. 03, 2026
SPEAG	Dosimetric E-Field Probe	EX3DV4	3857	Feb. 19, 2025	Feb. 18, 2026
SPEAG	EUmmWV Probe Tip Protection	EUmmWV4	9441	Nov. 17, 2025	Nov. 16, 2026
SPEAG	ELI Phantom	ELI4	TP-1201	NCR	NCR
SPEAG	ELI Phantom	ELI V8.0	TP-2135	NCR	NCR
SPEAG	SAM Twin Phantom	SAM Twin	TP-1697	NCR	NCR
SPEAG	SAM Twin Phantom	SAM Twin	TP-1753	NCR	NCR
SPEAG	mmWave Phantom	mmWave	1065	NCR	NCR
Beichuang	Thermo-Hygrometer	HTC-1	1959633	May. 27, 2025	May. 26, 2026
Beichuang	Thermo-Hygrometer	HTC-1	1959628	May. 27, 2025	May. 26, 2026
Beichuang	Thermo-Hygrometer	HTC-1	1959630	May. 27, 2025	May. 26, 2026
SPEAG	Phone Positioner	N/A	N/A	NCR	NCR
Rohde & Schwarz	Signal Generator	SMR40	100455	Dec. 26, 2025	Dec. 25, 2026
Keysight	Preamplifier	83017A	MY57280106	Apr. 18, 2025	Apr. 17, 2026
Anritsu	Radio Communication Analyzer	MT8820C	6201563900	Jul. 02, 2025	Jul. 01, 2026
Agilent	ENA Series Network Analyzer	E5071C	MY46112129	Jul. 02, 2025	Jul. 01, 2026
SPEAG	Dielectric Probe Kit	DAK-3.5	1071	Feb. 24, 2025	Feb. 23, 2026
Anritsu	Vector Signal Generator	MG3710A	6201682672	Dec. 26, 2025	Dec. 25, 2026
Rohde & Schwarz	Power Meter	NRVD	102081	Jul. 02, 2025	Jul. 01, 2026
Rohde & Schwarz	Power Sensor	NRV-Z5	100538	Jul. 02, 2025	Jul. 01, 2026
Rohde & Schwarz	Power Sensor	NRV-Z5	100539	Jul. 02, 2025	Jul. 01, 2026
Rohde & Schwarz	Power Sensor	NRP50S	101385	Oct. 14, 2025	Oct. 13, 2026
R&S	BLUETOOTH TESTER	CBT	101246	Jul. 03, 2025	Jul. 02, 2026
Rohde & Schwarz	Spectrum Analyzer	FSV7	101631	Oct. 11, 2025	Oct. 10, 2026
TES	DIGITAC THERMOMETER	TYPE-K	200505600	Jul. 05, 2025	Jul. 04, 2026
BONN	POWER AMPLIFIER	BLMA 0830-3	087193A	Note 1	
BONN	POWER AMPLIFIER	BLMA 2060-2	087193B	Note 1	
Agilent	Dual Directional Coupler	778D	20500	Note 1	
Agilent	Dual Directional Coupler	11691D	MY48151020	Note 1	
ET Industries	Dual Directional Coupler	C-058-10	N/A	Note 1	
ATM	Dual Directional Coupler	C122H-10	P610410z-02	Note 1	
mini-circuits	amplifier	ZVE-3W-83+	162601250	Note 1	

ARRA	Power Divider	A3200-2	N/A	Note 1
MCL	Attenuation1	BW-S10W5+	N/A	Note 1
MCL	Attenuation2	BW-S10W5+	N/A	Note 1
MCL	Attenuation3	BW-S10W5+	N/A	Note 1

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
2. Referring to KDB 865664 D01v01r04, the dipole calibration interval can be extended to 3 years with justification. The dipoles are also not physically damaged, or repaired during the interval.
3. The justification data of dipole can be found in appendix C. The return loss is < -20dB, within 20% of prior calibration, the impedance is within 5 ohm of prior calibration.

12. System Verification

12.1 Tissue Simulating Liquids

For the measurement of the field distribution inside the SAM phantom with DASY, the phantom must be filled with around 25 liters of homogeneous body tissue simulating liquid. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm, which is shown in Fig. 11.1. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm, which is shown in Fig. 11.2.

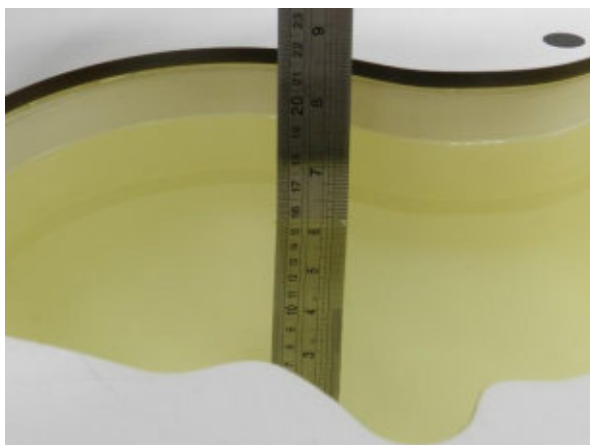


Fig 11.1 Photo of Liquid Height for Head SAR



Fig 11.2 Photo of Liquid Height for Body SAR

12.2 Tissue Verification

The following tissue formulations are provided for reference only as some of the parameters have not been thoroughly verified. The composition of ingredients may be modified accordingly to achieve the desired target tissue parameters required for routine SAR evaluation.

Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity (σ)	Permittivity (ε _r)
For Head								
750	41.1	57.0	0.2	1.4	0.2	0	0.89	41.9
835	40.3	57.9	0.2	1.4	0.2	0	0.90	41.5
1800, 1900, 2000	55.2	0	0	0.3	0	44.5	1.40	40.0
2450	55.0	0	0	0	0	45.0	1.80	39.2
2600	54.8	0	0	0.1	0	45.1	1.96	39.0



Simulating Liquid for 5GHz, Manufactured by SPEAG

Ingredients	(% by weight)
Water	64~78%
Mineral oil	11~18%
Emulsifiers	9~15%
Additives and Salt	2~3%

<Tissue Dielectric Parameter Check Results>

Frequency (MHz)	Liquid Temp (°C)	Conductivity (σ)	Permittivity (εr)	Conductivity Target (σ)	Permittivity Target (εr)	Delta (σ) (%)	Delta (εr) (%)	Limit (%)	Date
750	22.7	0.886	42.864	0.89	41.9	-0.45	2.3	±5.0	2025/12/22
750	22.6	0.889	42.968	0.89	41.9	-0.11	2.55	±5.0	2025/12/28
750	22.8	0.885	43.015	0.89	41.9	-0.56	2.66	±5.0	2025/12/31
750	22.7	0.886	42.954	0.89	41.9	-0.45	2.52	±5.0	2026/1/3
835	22.8	0.92	42.597	0.9	41.5	2.22	2.64	±5.0	2025/12/23
835	22.7	0.922	42.562	0.9	41.5	2.44	2.56	±5.0	2025/12/29
835	22.8	0.916	42.453	0.9	41.5	1.78	2.3	±5.0	2026/1/1
835	22.7	0.921	42.497	0.9	41.5	2.33	2.4	±5.0	2026/1/4
1750	22.8	1.375	40.648	1.37	40.1	0.36	1.37	±5.0	2025/12/24
1750	22.7	1.375	40.714	1.37	40.1	0.36	1.53	±5.0	2025/12/30
1750	22.8	1.372	40.796	1.37	40.1	0.15	1.74	±5.0	2026/1/2
1750	22.6	1.374	40.764	1.37	40.1	0.29	1.66	±5.0	2026/1/5
1900	22.8	1.439	39.199	1.4	40	2.79	-2	±5.0	2025/12/25
1900	22.8	1.44	39.197	1.4	40	2.86	-2.01	±5.0	2025/12/31
1900	22.8	1.44	39.193	1.4	40	2.86	-2.02	±5.0	2026/1/3
1900	22.7	1.445	39.199	1.4	40	3.21	-2	±5.0	2026/1/6
2300	22.7	1.612	39.639	1.67	39.5	-3.47	0.35	±5.0	2025/12/26
2300	22.7	1.619	39.574	1.67	39.5	-3.05	0.19	±5.0	2026/1/1
2300	22.8	1.612	39.665	1.67	39.5	-3.47	0.42	±5.0	2026/1/4
2300	22.7	1.603	39.591	1.67	39.5	-4.01	0.23	±5.0	2026/1/7
2450	22.7	1.759	39.239	1.8	39.2	-2.28	0.1	±5.0	2025/12/26
2450	22.6	1.765	39.237	1.8	39.2	-1.94	0.09	±5.0	2026/1/10
2450	22.9	1.771	39.271	1.8	39.2	-1.61	0.18	±5.0	2026/1/16
2600	22.7	1.899	38.772	1.96	39	-3.11	-0.58	±5.0	2025/12/27
2600	22.7	1.917	38.785	1.96	39	-2.19	-0.55	±5.0	2026/1/2
2600	22.8	1.914	38.779	1.96	39	-2.35	-0.57	±5.0	2026/1/5
2600	22.6	1.908	38.871	1.96	39	-2.65	-0.33	±5.0	2026/1/8
3500	22.7	2.952	37.72	2.91	37.9	1.44	-0.47	±5.0	2026/1/6
3500	22.9	2.957	37.817	2.91	37.9	1.62	-0.22	±5.0	2026/1/10
3500	22.7	2.946	37.689	2.91	37.9	1.24	-0.56	±5.0	2026/1/17
3700	22.7	3.195	37.437	3.12	37.7	2.4	-0.7	±5.0	2026/1/7
3700	22.8	3.166	37.577	3.12	37.7	1.47	-0.33	±5.0	2026/1/11
3700	22.6	3.176	37.432	3.12	37.7	1.79	-0.71	±5.0	2026/1/18
3900	22.7	3.39	37.25	3.33	37.51	1.8	-0.69	±5.0	2026/1/8
3900	22.8	3.399	37.352	3.33	37.51	2.07	-0.42	±5.0	2026/1/12
3900	22.7	3.405	37.384	3.33	37.51	2.25	-0.34	±5.0	2026/1/19
5250	22.6	4.742	36.22	4.71	35.95	0.68	0.75	±5.0	2026/1/12
5250	22.6	4.669	36.333	4.71	35.95	-0.87	1.07	±5.0	2026/1/13
5250	22.6	4.702	36.273	4.71	35.95	-0.17	0.9	±5.0	2026/1/20
5600	22.8	4.996	35.758	5.07	35.5	-1.46	0.73	±5.0	2026/1/14
5600	22.6	5.05	35.877	5.07	35.5	-0.39	1.06	±5.0	2026/1/14
5600	22.8	4.978	35.767	5.07	35.5	-1.81	0.75	±5.0	2026/1/22
5800	22.7	5.231	35.542	5.27	35.3	-0.74	0.69	±5.0	2026/1/15
5800	22.6	5.209	35.508	5.27	35.3	-1.16	0.59	±5.0	2026/1/16
5800	22.6	5.243	35.535	5.27	35.3	-0.51	0.67	±5.0	2026/1/24



6500	22.8	6.08	34.1	6.07	34.5	0.16	-0.87	±5.0	2026/1/25
6500	22.8	6.02	34.8	6.07	34.5	-0.82	0.87	±5.0	2026/1/25

12.3 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.

Date	Frequency (MHz)	Tissue Type	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 (%)
2025/12/22	750	Head	50	D750V3 - 1087	ES3DV3 - SN3169	DAE4 Sn690	0.424	8.68	8.48	-2.3	0.281	5.61	5.62	0.18
2025/12/28	750	Head	50	D750V3 - 1087	ES3DV3 - SN3169	DAE4 Sn690	0.429	8.68	8.58	-1.15	0.284	5.61	5.68	1.25
2025/12/31	750	Head	50	D750V3 - 1087	EX3DV4 - SN3857	DAE4 Sn1649	0.416	8.68	8.32	-4.15	0.28	5.61	5.6	-0.18
2026/1/3	750	Head	50	D750V3 - 1087	ES3DV3 - SN3169	DAE4 Sn690	0.426	8.68	8.52	-1.84	0.282	5.61	5.64	0.53
2025/12/23	835	Head	50	D835V2 - 4d298	ES3DV3 - SN3169	DAE4 Sn690	0.535	9.89	10.7	8.19	0.351	6.45	7.02	8.84
2025/12/29	835	Head	50	D835V2 - 4d298	ES3DV3 - SN3169	DAE4 Sn690	0.536	9.89	10.72	8.39	0.352	6.45	7.04	9.15
2026/1/1	835	Head	50	D835V2 - 4d298	EX3DV4 - SN3857	DAE4 Sn1649	0.47	9.89	9.4	-4.95	0.314	6.45	6.28	-2.64
2026/1/4	835	Head	50	D835V2 - 4d298	ES3DV3 - SN3169	DAE4 Sn690	0.532	9.89	10.64	7.58	0.35	6.45	7	8.53
2025/12/24	1750	Head	50	D1750V2 - 1090	ES3DV3 - SN3169	DAE4 Sn690	1.89	36.6	37.8	3.28	1	19.5	20	2.56
2025/12/30	1750	Head	50	D1750V2 - 1090	ES3DV3 - SN3169	DAE4 Sn690	1.9	36.6	38	3.83	1	19.5	20	2.56
2026/1/2	1750	Head	50	D1750V2 - 1090	EX3DV4 - SN3857	DAE4 Sn1649	1.84	36.6	36.8	0.55	0.997	19.5	19.94	2.26
2026/1/5	1750	Head	50	D1750V2 - 1090	ES3DV3 - SN3169	DAE4 Sn690	1.9	36.6	38	3.83	1.01	19.5	20.2	3.59
2025/12/25	1900	Head	50	D1900V2 - 5d170	ES3DV3 - SN3169	DAE4 Sn690	2.12	39.6	42.4	7.07	1.1	20.9	22	5.26
2025/12/31	1900	Head	50	D1900V2 - 5d170	ES3DV3 - SN3169	DAE4 Sn690	2.13	39.6	42.6	7.58	1.1	20.9	22	5.26
2026/1/3	1900	Head	50	D1900V2 - 5d170	EX3DV4 - SN3857	DAE4 Sn1649	2.01	39.6	40.2	1.52	1.06	20.9	21.2	1.44
2026/1/6	1900	Head	50	D1900V2 - 5d170	ES3DV3 - SN3169	DAE4 Sn690	2.14	39.6	42.8	8.08	1.11	20.9	22.2	6.22
2025/12/26	2300	Head	50	D2300V2 - 1055	ES3DV3 - SN3169	DAE4 Sn690	2.43	48.4	48.6	0.41	1.16	23.7	23.2	-2.11
2026/1/1	2300	Head	50	D2300V2 - 1055	ES3DV3 - SN3169	DAE4 Sn690	2.45	48.4	49	1.24	1.16	23.7	23.2	-2.11
2026/1/4	2300	Head	50	D2300V2 - 1055	EX3DV4 - SN3857	DAE4 Sn1649	2.26	48.4	45.2	-6.61	1.11	23.7	22.2	-6.33
2026/1/7	2300	Head	50	D2300V2 - 1055	ES3DV3 - SN3169	DAE4 Sn690	2.42	48.4	48.4	0	1.15	23.7	23	-2.95
2025/12/26	2450	Head	50	D2450V2 - 1095	EX3DV4 - SN3857	DAE4 Sn690	2.6	52.6	52	-1.14	1.21	24.7	24.2	-2.02
2026/1/10	2450	Head	50	D2450V2 - 1095	EX3DV4 - SN3857	DAE4 Sn1649	2.53	52.6	50.6	-3.8	1.25	24.7	25	1.21
2026/1/16	2450	Head	50	D2450V2 - 1095	EX3DV4 - SN3857	DAE4 Sn690	2.62	52.6	52.4	-0.38	1.22	24.7	24.4	-1.21
2025/12/27	2600	Head	50	D2600V2 - 1112	ES3DV3 - SN3169	DAE4 Sn690	2.71	55.1	54.2	-1.63	1.22	24.8	24.4	-1.61
2026/1/2	2600	Head	50	D2600V2 - 1112	ES3DV3 - SN3169	DAE4 Sn690	2.75	55.1	55	-0.18	1.23	24.8	24.6	-0.81
2026/1/5	2600	Head	50	D2600V2 - 1112	EX3DV4 - SN3857	DAE4 Sn1649	2.54	55.1	50.8	-7.8	1.15	24.8	23	-7.26
2026/1/8	2600	Head	50	D2600V2 - 1112	ES3DV3 - SN3169	DAE4 Sn690	2.74	55.1	54.8	-0.54	1.23	24.8	24.6	-0.81
2026/1/6	3500	Head	50	D3500V2 - 1037	EX3DV4 - SN3857	DAE4 Sn1649	3.48	65.4	69.6	6.42	1.34	24.7	26.8	8.5
2026/1/10	3500	Head	50	D3500V2 - 1037	EX3DV4 - SN3857	DAE4 Sn690	3.41	65.4	68.2	4.28	1.31	24.7	26.2	6.07
2026/1/17	3500	Head	50	D3500V2 - 1037	EX3DV4 - SN3857	DAE4 Sn690	3.39	65.4	67.8	3.67	1.3	24.7	26	5.26
2026/1/7	3700	Head	50	D3700V2 - 1008	EX3DV4 - SN3857	DAE4 Sn1649	3.45	67.2	69	2.68	1.28	24.4	25.6	4.92
2026/1/11	3700	Head	50	D3700V2 - 1008	EX3DV4 - SN3857	DAE4 Sn690	3.63	67.2	72.6	8.04	1.28	24.4	25.6	4.92
2026/1/18	3700	Head	50	D3700V2 - 1008	EX3DV4 - SN3857	DAE4 Sn690	3.61	67.2	72.2	7.44	1.22	24.4	24.4	0
2026/1/8	3900	Head	50	D3900V2 - 1048	EX3DV4 - SN3857	DAE4 Sn1649	3.24	69.1	64.8	-6.22	1.15	24.1	23	-4.56
2026/1/12	3900	Head	50	D3900V2 - 1048	EX3DV4 - SN3857	DAE4 Sn690	3.43	69.1	68.6	-0.72	1.22	24.1	24.4	1.24
2026/1/19	3900	Head	50	D3900V2 - 1048	EX3DV4 - SN3857	DAE4 Sn690	3.41	69.1	68.2	-1.3	1.22	24.1	24.4	1.24
2026/1/12	5250	Head	50	D5GHZV2 - 1113	EX3DV4 - SN3857	DAE4 Sn1649	4.02	78.1	80.4	2.94	1.16	22.4	23.2	3.57
2026/1/13	5250	Head	50	D5GHZV2 - 1113	EX3DV4 - SN3857	DAE4 Sn690	3.92	78.1	78.4	0.38	1.11	22.4	22.2	-0.89
2026/1/20	5250	Head	50	D5GHZV2 - 1113	EX3DV4 - SN3857	DAE4 Sn690	3.95	78.1	79	1.15	1.12	22.4	22.4	0
2026/1/14	5600	Head	50	D5GHZV2 - 1113	EX3DV4 - SN3857	DAE4 Sn690	3.82	80	76.4	-4.5	1.08	23	21.6	-6.09
2026/1/14	5600	Head	50	D5GHZV2 - 1113	EX3DV4 - SN3857	DAE4 Sn1649	4	80	80	0	1.14	23	22.8	-0.87
2026/1/22	5600	Head	50	D5GHZV2 - 1113	EX3DV4 - SN3857	DAE4 Sn690	3.8	80	76	-5	1.08	23	21.6	-6.09
2026/1/15	5800	Head	50	D5GHZV2 - 1113	EX3DV4 - SN3857	DAE4 Sn690	4.01	77.9	80.2	2.95	1.13	22.3	22.6	1.35
2026/1/16	5800	Head	50	D5GHZV2 - 1113	EX3DV4 - SN3857	DAE4 Sn1649	3.83	77.9	76.6	-1.67	1.09	22.3	21.8	-2.24
2026/1/24	5800	Head	50	D5GHZV2 - 1113	EX3DV4 - SN3857	DAE4 Sn690	4.02	77.9	80.4	3.21	1.13	22.3	22.6	1.35



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2026/1/25	6500	Head	50	D6.5GHzV2 - 1026	EX3DV4 - SN7576	DAE4 Sn1358	15.2	296	304	2.7	2.69	54.8	53.8	-1.82
2026/1/25	6500	Head	50	D6.5GHzV2 - 1026	EX3DV4 - SN7764	DAE4 Sn1338	14.1	296	282	-4.73	2.65	54.8	53	-3.28

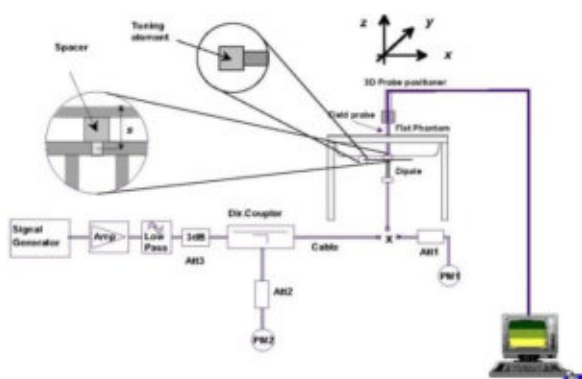


Fig 11.3.1 System Performance Check Setup



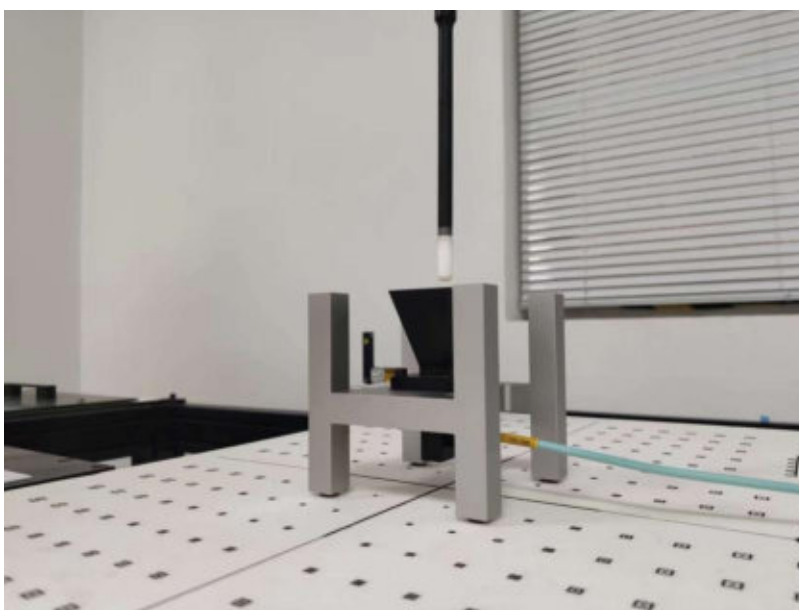
Fig 11.3.2 Setup Photo

12.4 PD System Verification 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.

Frequency (GHz)	5G Verification Source	Probe S/N	DAE S/N	Distance (mm)	Input Power (mW)	Measured psPDn+ 4 cm ² (W/m ²)	Normalized ⁽¹⁾ psPDn+ 4 cm ² (W/m ²)	Targeted psPDn+ 4 cm ² (W/m ²)	Deviation (dB)	Measured psPDtot+ 4 cm ² (W/m ²)	Normalized ⁽¹⁾ psPDtot+ 4 cm ² (W/m ²)	Targeted psPDtot+ 4 cm ² (W/m ²)	Deviation (dB)	Measured psPDmod+ 4 cm ² (W/m ²)	Normalized ⁽¹⁾ psPDmod+ 4 cm ² (W/m ²)	Targeted psPDmod+ 4 cm ² (W/m ²)	Deviation (dB)	Test date
10	10GHz_2002	9441	1691	10	100	95	150.5	166	-0.43	96.2	152.4	167	-0.40	97.1	153.9	172	-0.48	2026/1/26

Note: (1) means the measured PD was normalized to Prad power which can be referred to DASY Calibration Certificate in appendix C.



System Verification Setup Photo

13. RF Exposure Positions

13.1 Ear and handset reference point

Figure 12.1.1 shows the front, back, and side views of the SAM phantom. The center-of-mouth reference point is labeled “M,” the left ear reference point (ERP) is marked “LE,” and the right ERP is marked “RE.” Each ERP is 15 mm along the B-M (back-mouth) line behind the entrance-to-ear-canal (EEC) point, as shown in Figure 12.1.2 The Reference Plane is defined as passing through the two ear reference points and point M. The line N-F (neck-front), also called the reference pivoting line, is normal to the Reference Plane and perpendicular to both a line passing through RE and LE and the B-M line (see Figure 12.1.3). Both N-F and B-M lines should be marked on the exterior of the phantom shell to facilitate handset positioning. Posterior to the N-F line the ear shape is a flat surface with 6 mm thickness at each ERP, and forward of the N-F line the ear is truncated, as illustrated in Figure 12.1.2. The ear truncation is introduced to preclude the ear lobe from interfering with handset tilt, which could lead to unstable positioning at the cheek.

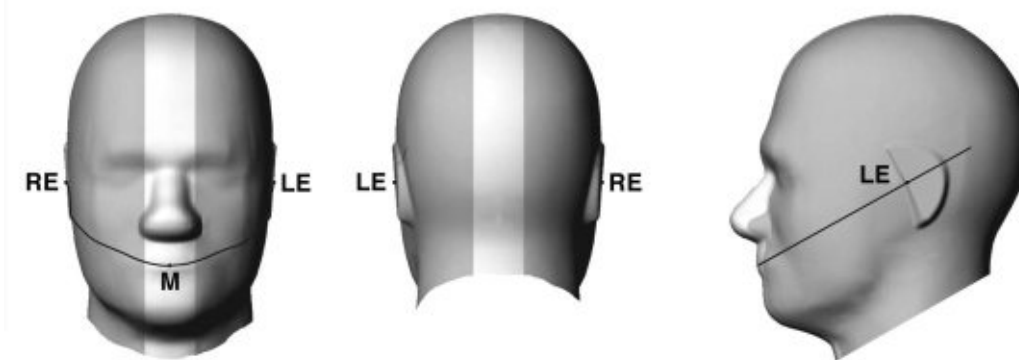


Fig 12.1.1 Front, back, and side views of SAM twin phantom

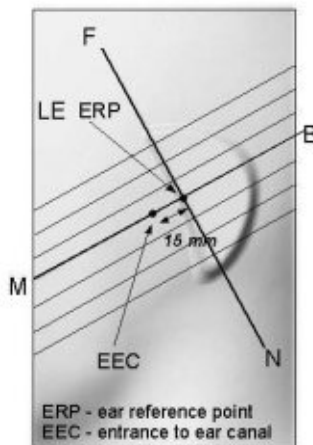


Fig 12.1.2 Close-up side view of phantom showing the ear region.

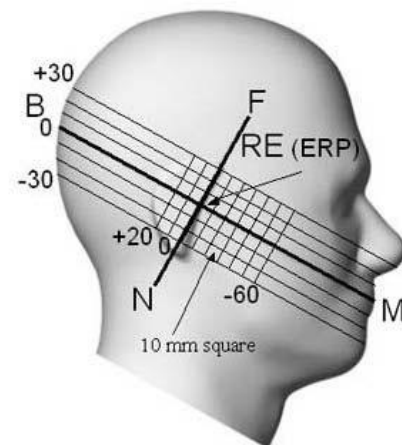


Fig 12.1.3 Side view of the phantom showing relevant markings and seven cross-sectional plane locations

13.2 Definition of the cheek position

1. Ready the handset for talk operation, if necessary. For example, for handsets with a cover piece (flip cover), open the cover. If the handset can transmit with the cover closed, both configurations must be tested.
2. Define two imaginary lines on the handset—the vertical centerline and the horizontal line. The vertical centerline passes through two points on the front side of the handset—the midpoint of the width w_t of the handset at the level of the acoustic output (point A in Figure 12.2.1 and Figure 12.2.2), and the midpoint of the width w_b of the bottom of the handset (point B). The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output (see Figure 12.2.1). The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the handset. Also note that the vertical centerline is not necessarily parallel to the front face of the handset (see Figure 12.2.2), especially for clamshell handsets, handsets with flip covers, and other irregularly-shaped handsets.
3. Position the handset close to the surface of the phantom such that point A is on the (virtual) extension of the line passing through points RE and LE on the phantom (see Figure 12.2.3), such that the plane defined by the vertical centerline and the horizontal line of the handset is approximately parallel to the sagittal plane of the phantom.
4. Translate the handset towards the phantom along the line passing through RE and LE until handset point A touches the pinna at the ERP.
5. While maintaining the handset in this plane, rotate it around the LE-RE line until the vertical centerline is in the plane normal to the plane containing B-M and N-F lines, i.e., the Reference Plane.
6. Rotate the handset around the vertical centerline until the handset (horizontal line) is parallel to the N-F line.
7. While maintaining the vertical centerline in the Reference Plane, keeping point A on the line passing through RE and LE, and maintaining the handset contact with the pinna, rotate the handset about the N-F line until any point on the handset is in contact with a phantom point below the pinna on the cheek. See Figure 12.2.3. The actual rotation angles should be documented in the test report.

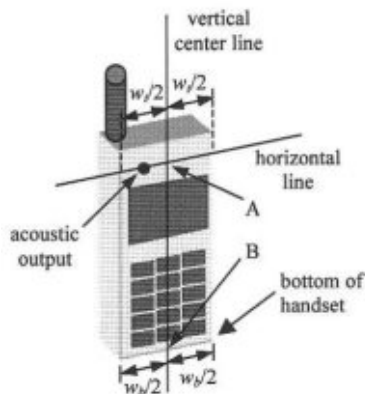


Fig 12.2.1 Handset vertical and horizontal reference lines—"fixed case"

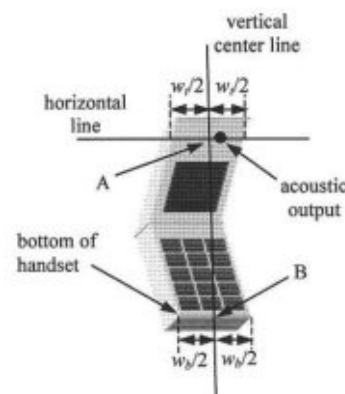


Fig 12.2.2 Handset vertical and horizontal reference lines—"clam-shell case"

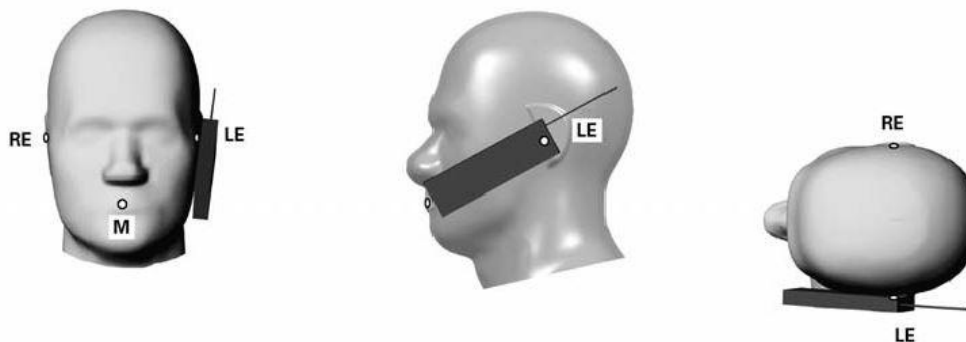


Fig 12.2.3 cheek or touch position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which establish the Reference Plane for handset positioning, are indicated.

13.3 Definition of the tilt position

1. Ready the handset for talk operation, if necessary. For example, for handsets with a cover piece (flip cover), open the cover. If the handset can transmit with the cover closed, both configurations must be tested.
2. While maintaining the orientation of the handset, move the handset away from the pinna along the line passing through RE and LE far enough to allow a rotation of the handset away from the cheek by 15°.
3. Rotate the handset around the horizontal line by 15°.
4. While maintaining the orientation of the handset, move the handset towards the phantom on the line passing through RE and LE until any part of the handset touches the ear. The tilt position is obtained when the contact point is on the pinna. See Figure 12.3.1. If contact occurs at any location other than the pinna, e.g., the antenna at the back of the phantom head, the angle of the handset should be reduced. In this case, the tilt position is obtained if any point on the handset is in contact with the pinna and a second point

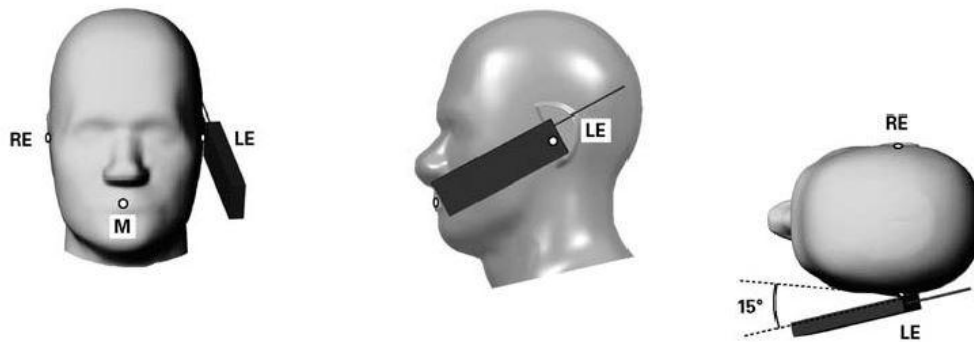


Fig 12.3.1 Tilt position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which define the Reference Plane for handset positioning, are indicated.

13.4 Body Worn Accessory

Body-worn operating configurations are tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in a normal use configuration (see Figure 11.4). 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 handset attached to the handset.

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

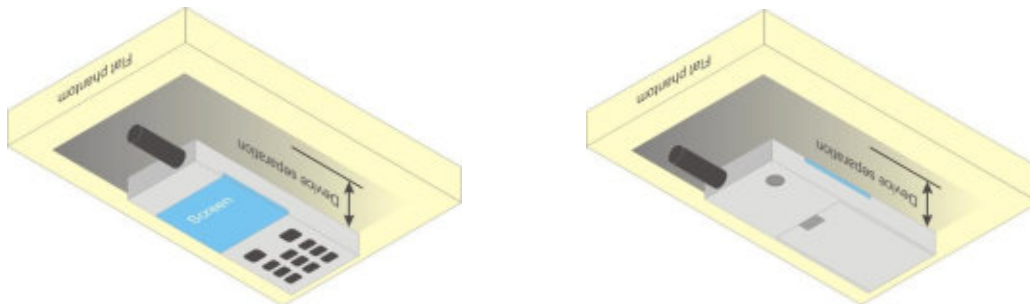


Fig 12.4 Body Worn Position

13.5 Product Specific 10g SAR Exposure

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

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

13.6 Wireless Router

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

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

13.7 Miscellaneous Testing Considerations

- Evaluate SAR using 6-7 GHz parameters per IEC/IEEE 62209-1528:2020.
- Per procedures of KDB Pubs. 447498 and 248227, and applicable product-specific procedures among KDB Pubs. 648474 (handsets/phablets).
- Where supported by the test system, also report estimated absorbed (epithelial) power density (for reference purposes only, not specifically for compliance) and estimated incident PD, derived from measured SAR.
- In addition, for the 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)
 - Adjust measured results per amount that measurement uncertainty exceeds 30 % (see e.g. IEC 62479:2010)

14. Conducted RF Output Power (Unit: dBm)

The detailed conducted power table can refer to Appendix E.

<GSM Conducted Power>

1. Per KDB 447498 D01v06, the maximum output power channel is used for SAR testing and for further SAR test reduction.
2. Per KDB 941225 D01v03r01, for SAR test reduction for GSM / GPRS / EDGE modes is determined by the source-based time-averaged output power including tune-up tolerance. The mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.
3. Other configurations of GSM / GPRS / EDGE are considered as secondary modes. The 3G SAR test reduction procedure is applied, when the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq 1/4$ dB higher than the primary mode, SAR measurement is not required for the secondary mode.

<WCDMA Conducted Power>

1. The following tests were conducted according to the test requirements outlines in 3GPP TS 34.121 specification.
2. The procedures in KDB 941225 D01v03r01 are applied for 3GPP Rel. 6 HSPA to configure the device in the required sub-test mode(s) to determine SAR test exclusion.
3. For DC-HSDPA, the device was configured according to the H-Set 12, Fixed Reference Channel (FRC) configuration in Table C.8.1.12 of 3GPP TS 34.121-1, with the primary and the secondary serving HS-DSCH Cell enabled during the power measurement.

A summary of these settings are illustrated below:

HSDPA Setup Configuration:

- a. The EUT was connected to Base Station Agilent E5515C referred to the Setup Configuration.
- b. The RF path losses were compensated into the measurements.
- c. A call was established between EUT and Base Station with following setting:
 - i. Set Gain Factors (β_c and β_d) and parameters were set according to each
 - ii. Specific sub-test in the following table, C10.1.4, quoted from the TS 34.121
 - iii. Set RMC 12.2Kbps + HSDPA mode.
 - iv. Set Cell Power = -86 dBm
 - v. Set HS-DSCH Configuration Type to FRC (H-set 1, QPSK)
 - vi. Select HSDPA Uplink Parameters
 - vii. Set Delta ACK, Delta NACK and Delta CQI = 8
 - viii. Set Ack-Nack Repetition Factor to 3
 - ix. Set CQI Feedback Cycle (k) to 4 ms
 - x. Set CQI Repetition Factor to 2
 - xi. Power Ctrl Mode = All Up bits
- d. The transmitted maximum output power was recorded.

Table C.10.1.4: β values for transmitter characteristics tests with HS-DPCCH

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{hs} (Note 1, Note 2)	CM (dB) (Note 3)	MPR (dB) (Note 3)
1	2/15	15/15	64	2/15	4/15	0.0	0.0
2	12/15 (Note 4)	15/15 (Note 4)	64	12/15 (Note 4)	24/15	1.0	0.0
3	15/15	8/15	64	15/8	30/15	1.5	0.5
4	15/15	4/15	64	15/4	30/15	1.5	0.5

Note 1: Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 30/15$ with $\beta_{hs} = 30/15 * \beta_c$.

Note 2: For the HS-DPCCH power mask requirement test in clause 5.2C, 5.7A, and the Error Vector Magnitude (EVM) with HS-DPCCH test in clause 5.13.1A, and HSDPA EVM with phase discontinuity in clause 5.13.1AA, Δ_{ACK} and $\Delta_{NACK} = 30/15$ with $\beta_{hs} = 30/15 * \beta_c$, and $\Delta_{CQI} = 24/15$ with $\beta_{hs} = 24/15 * \beta_c$.

Note 3: CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{hs}/\beta_c = 24/15$. For all other combinations of DPDCCH, DPCCH and HS-DPCCH the MPR is based on the relative CM difference. This is applicable for only UEs that support HSDPA in release 6 and later releases.

Note 4: For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 11/15$ and $\beta_d = 15/15$.

Setup Configuration

HSUPA Setup Configuration:

- The EUT was connected to Base Station Agilent E5515C referred to the Setup Configuration.
- The RF path losses were compensated into the measurements.
- A call was established between EUT and Base Station with following setting * :
 - Call Configs = 5.2B, 5.9B, 5.10B, and 5.13.2B with QPSK
 - Set the Gain Factors (β_c and β_d) and parameters (AG Index) were set according to each specific sub-test in the following table, C11.1.3, quoted from the TS 34.121
 - Set Cell Power = -86 dBm
 - Set Channel Type = 12.2k + HSPA
 - Set UE Target Power
 - Power Ctrl Mode= Alternating bits
 - Set and observe the E-TFCI
 - Confirm that E-TFCI is equal to the target E-TFCI of 75 for sub-test 1, and other subtest's E-TFCI
- The transmitted maximum output power was recorded.

Table C.11.1.3: β values for transmitter characteristics tests with HS-DPCCH and E-DCH

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS} (Note 1)	β_{ec}	β_{ed} (Note 4) (Note 5)	β_{ed} (SF)	β_{ed} (Codes)	CM (dB) (Note 2)	MPR (dB) (Note 2) (Note 6)	AG Index (Note 5)	E-TFCI
1	11/15 (Note 3)	15/15 (Note 3)	64	11/15 (Note 3)	22/15	209/25	1309/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	β_{ed1} : 47/15 β_{ed2} : 47/15	4	2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15	0	-	-	5/15	5/15	47/15	4	1	1.0	0.0	12	67

Note 1: For sub-test 1 to 4, Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 30/15$ with $\beta_{hs} = 30/15 * \beta_c$. For sub-test 5, Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 5/15$ with $\beta_{hs} = 5/15 * \beta_c$.

Note 2: CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{hs}/\beta_c = 24/15$. For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.

Note 3: For subtest 1 the β_c/β_d ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 10/15$ and $\beta_d = 15/15$.

Note 4: In case of testing by UE using E-DPDCH Physical Layer category 1, Sub-test 3 is omitted according to TS25.306 Table 5.1g.

Note 5: β_{ed} can not be set directly; it is set by Absolute Grant Value.

Note 6: For subtests 2, 3 and 4, UE may perform E-DPDCH power scaling at max power which could results in slightly smaller MPR values.

Setup Configuration

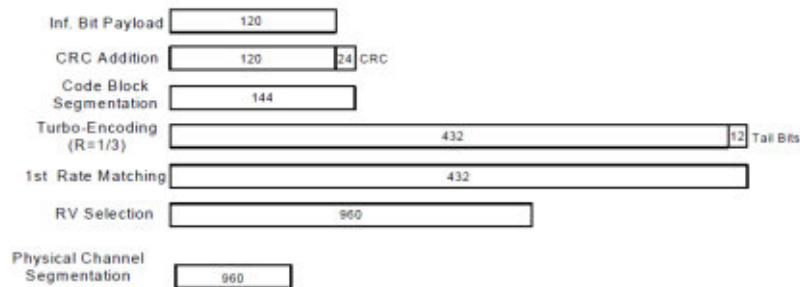
DC-HSDPA 3GPP release 8 Setup Configuration:

- a. The EUT was connected to Base Station Agilent E5515C referred to the Setup Configuration below
- b. The RF path losses were compensated into the measurements.
- c. A call was established between EUT and Base Station with following setting:
 - i. Set RMC 12.2Kbps + HSDPA mode.
 - ii. Set Cell Power = -25 dBm
 - iii. Set HS-DSCH Configuration Type to FRC (H-set 12, QPSK)
 - iv. Select HSDPA Uplink Parameters
 - v. Set Gain Factors (β_c and β_d) and parameters were set according to each Specific sub-test in the following table, C10.1.4, quoted from the TS 34.121
 - a). Subtest 1: $\beta_c/\beta_d=2/15$
 - b). Subtest 2: $\beta_c/\beta_d=12/15$
 - c). Subtest 3: $\beta_c/\beta_d=15/8$
 - d). Subtest 4: $\beta_c/\beta_d=15/4$
 - vi. Set Delta ACK, Delta NACK and Delta CQI = 8
 - vii. Set Ack-Nack Repetition Factor to 3
 - viii. Set CQI Feedback Cycle (k) to 4 ms
 - ix. Set CQI Repetition Factor to 2
 - x. Power Ctrl Mode = All Up bits
- d. The transmitted maximum output power was recorded.

The following tests were conducted according to the test requirements outlines in 3GPP TS 34.121 specification. A summary of these settings are illustrated below:

C.8.1.12 Fixed Reference Channel Definition H-Set 12
Table C.8.1.12: Fixed Reference Channel H-Set 12

Parameter	Unit	Value
Nominal Avg. Inf. Bit Rate	kbps	60
Inter-TTI Distance	TTI's	1
Number of HARQ Processes	Processes	6
Information Bit Payload (N_{DP})	Bits	120
Number Code Blocks	Blocks	1
Binary Channel Bits Per TTI	Bits	960
Total Available SML's in UE	SML's	19200
Number of SML's per HARQ Proc.	SML's	3200
Coding Rate		0.15
Number of Physical Channel Codes	Codes	1
Modulation		QPSK
Note 1: The RMC is intended to be used for DC-HSDPA mode and both cells shall transmit with identical parameters as listed in the table. Note 2: Maximum number of transmission is limited to 1, i.e., retransmission is not allowed. The redundancy and constellation version 0 shall be used.		


Figure C.8.19: Coding rate for Fixed reference Channel H-Set 12 (QPSK)
Setup Configuration

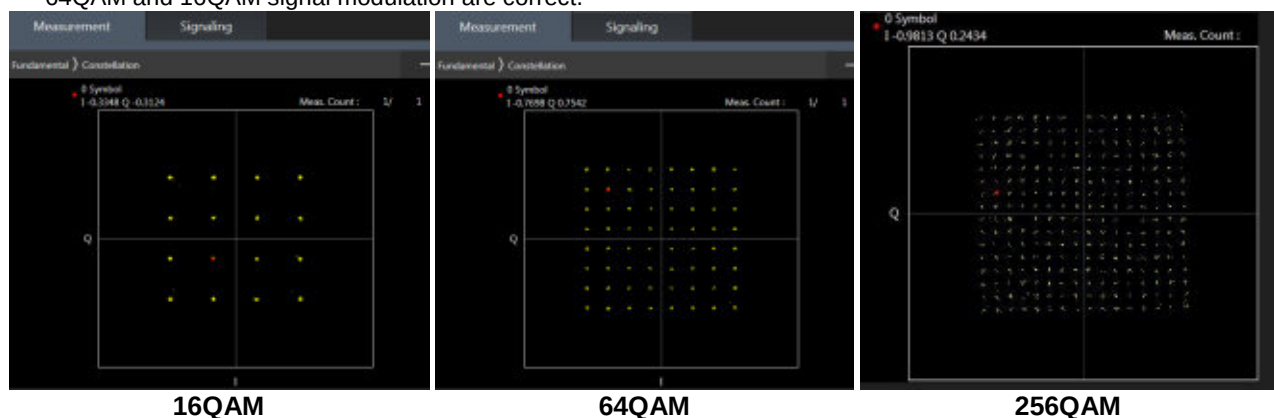
<WCDMA Conducted Power>**General Note:**

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

<LTE Conducted Power>

General Note:

1. Anritsu MT8821C base station simulator was used to setup the connection with EUT; the frequency band, channel bandwidth, RB allocation configuration, modulation type are set in the base station simulator to configure EUT transmitting at maximum power and at different configurations which are requested to be reported to FCC, for conducted power measurement and SAR testing.
2. Per KDB 941225 D05v02r05, when a properly configured base station simulator is used for the SAR and power measurements, spectrum plots for each RB allocation and offset configuration is not required.
3. 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.
4. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
5. 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.
6. Per KDB 941225 D05v02r05, 16QAM/64QAM/256QAM 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/64QAM/256QAM SAR testing is not required.
7. 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.
8. 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.
9. LTE B2 / B4 / B5 / B17 / B38 SAR test was covered by B25 / B66 / B26 / B12 / B41; according to April 2015 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
10. According to May 2017 TCB workshop, for 16QAM and 64QAM, 256QAM should be verified by checking the signal constellation with a call box to avoid incorrect maximum power levels due to MPR and other requirements associated with signal modulation, and the following figure is taken from the "Fundamental Measurement >> Modulation Analysis >> constellation" mode of the device connect to the MT8821C base station, therefore, the device 256QAM, 64QAM and 16QAM signal modulation are correct.



<TDD LTE SAR Measurement>

TDD LTE configuration setup for SAR measurement

SAR was tested with a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by 3GPP.

- 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplink-downlink configurations
- “special subframe S” contains both uplink and downlink transmissions, it has been taken into consideration to determine the transmission duty factor according to the worst case uplink and downlink cyclic prefix requirements for UpPTS
- Establishing connections with base station simulators ensure a consistent means for testing SAR and recommended for evaluating SAR. The Anritsu MT8820C (firmware: #22.52#004) was used for LTE output power measurements and SAR testing.

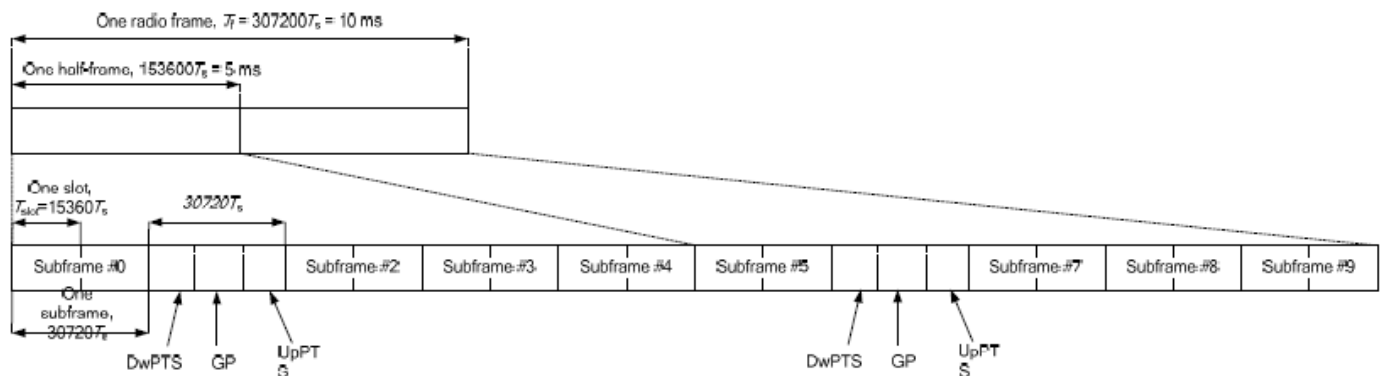


Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity).

Table 4.2-2: Uplink-downlink configurations.

Uplink-downlink configuration	Downlink-to-Uplink Switch-point periodicity	Subframe number									
		0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	U	D	S	U	U	U
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS).

Special subframe configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	$6592 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$	$7680 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$
1	$19760 \cdot T_s$			$20480 \cdot T_s$		
2	$21952 \cdot T_s$			$23040 \cdot T_s$		
3	$24144 \cdot T_s$			$25600 \cdot T_s$		
4	$26336 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$7680 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$
5	$6592 \cdot T_s$			$20480 \cdot T_s$		
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21952 \cdot T_s$			$12800 \cdot T_s$	-	-
8	$24144 \cdot T_s$			-		
9	$13168 \cdot T_s$			-	-	-

Special subframe (30720·T _s): Normal cyclic prefix in downlink (UpPTS)			
	Special subframe configuration	Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
Uplink duty factor in one special subframe	0~4	7.13%	8.33%
	5~9	14.3%	16.7%

Special subframe(30720·T _s): Extended cyclic prefix in downlink (UpPTS)			
	Special subframe configuration	Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
Uplink duty factor in one special subframe	0~3	7.13%	8.33%
	4~7	14.3%	16.7%

The highest duty factor is resulted from:

For LTE TDD Power class 2

- Uplink-downlink configuration: 1. In a half-frame consisted of 5 subframes, uplink operation is in 2 uplink subframes and 1 special subframe.
- special subframe configuration: 5-9 for normal cyclic prefix in downlink, 4-7 for extended cyclic prefix in downlink
- for special subframe with extended cyclic prefix in uplink, the total uplink duty factor in one half-frame is: $(2+0.167)/5 = 43.3\%$
- for special subframe with normal cyclic prefix in uplink, the total uplink duty factor in one half-frame is: $(2+0.143)/5 = 42.9\%$
- For TDD LTE SAR measurement, the duty cycle 1:2.33 (42.9 %) was used perform testing and considering the theoretical duty cycle of 43.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 42.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix $43.3\%/42.9\% = 1.009$ is applied to scale-up the measured SAR result. The scaled TDD LTE SAR = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.

For LTE TDD Power class 3

- Uplink-downlink configuration: 0. In a half-frame consisted of 5 subframes, uplink operation is in 3 uplink subframes and 1 special subframe.
- special subframe configuration: 5-9 for normal cyclic prefix in downlink, 4-7 for extended cyclic prefix in downlink
- for special subframe with extended cyclic prefix in uplink, the total uplink duty factor in one half-frame is: $(3+0.167)/5 = 63.3\%$
- for special subframe with normal cyclic prefix in uplink, the total uplink duty factor in one half-frame is: $(3+0.143)/5 = 62.9\%$
- 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 scaled TDD LTE SAR = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.

The device can adjust uplink/downlink configuration automatically according to the transmitting power class level, as follows:

LTE TDD Band	Power Class level	support uplink/downlink configuration
LTE Band 41	> 23	1,2,3,4,5
	=23	0,1,2,3,4,5,6
	< 23	0,1,2,3,4,5,6

<LTE Carrier Aggregation>

The detailed LTE Carrier Aggregation conducted power table can refer to Appendix F.

General Note:

1. Per Oct. 2024 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. Per Oct. 2024 TCB workshop, equipment authorization applications shall refer to the worst-case UL powers resulting from all the possible modes of operations. Accordingly, CA-DL cases do not need to be analyzed separately, unless pertinent to establishing UL power setting.
3. Per Oct. 2024 TCB workshop, Manufacturer declares that TX power measurement for multiple DL CA configurations is deemed not required as the DL CA has no impact on the TX power according to preliminary scan. TX power measured in LTE standalone operation represents the worst case.
4. This device supports LTE carrier aggregation in the downlink. All uplink maximum output power with downlink carrier aggregation active does not show more than ¼ dB higher than the maximum output power without downlink carrier aggregation active, therefore SAR evaluation with downlink carrier aggregation active can be excluded.

LTE Carrier Aggregation Conducted Power (Uplink)

LTE Uplink CA	2CC Uplink Carrier Aggregation			
Intra-band	Main Antenna Tx	ASDiv-1 Tx	ASDiv-2 Tx	ASDiv-3 Tx
CA_2C	Ant3	Ant2	Ant4	Ant0
CA_5B	Ant0	Ant1	/	/
CA_7C	Ant3	Ant2	Ant4	Ant0
CA_38C	Ant3	Ant2	Ant4	Ant0
CA_41C	Ant3	Ant2	Ant4	Ant0
CA_42C	Ant8	Ant4	Ant2	Ant6
CA_48B	Ant8	Ant4	Ant2	Ant6
CA_48C	Ant8	Ant4	Ant2	Ant6
CA_66C	Ant3	Ant2	Ant4	Ant0

<Intra-band>
General Note:

- i. The device supports intra-band uplink carrier aggregation for LTE B2/5/7/38/41/42/48/66 with a maximum of two uplink 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.
- ii. According Nov. 2017 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.
- iii. Additional SAR measurement for LTE UL CA with 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.
- iv. LTE CA_48B test was covered by CA_48C; therefore, SAR was only assessed for CA_48C.

**<Inter-band CA Configuration>**

LTE Inter Band UL CA	PCC ANT	SCC ANT	LTE Inter Band UL CA	PCC ANT	SCC ANT
CA_12A-66A	Ant0	Ant3/Ant4	CA_25A-26A	Ant3/Ant4	Ant0
	Ant0	Ant2		Ant2	Ant0
	Ant1	Ant3/Ant4		Ant3/Ant4	Ant1
	Ant1	Ant2/Ant0		Ant2/Ant0	Ant1
CA_13A-66A	Ant0	Ant3/Ant4	CA_2A-12A	Ant3/Ant4	Ant0
	Ant0	Ant2		Ant2	Ant0
	Ant1	Ant3/Ant4		Ant3/Ant4	Ant1
	Ant1	Ant2/Ant0		Ant2/Ant0	Ant1
CA_14A-30A	Ant0	Ant3/Ant4	CA_2A-13A	Ant3/Ant4	Ant0
	Ant0	Ant2		Ant2	Ant0
	Ant1	Ant3/Ant4		Ant3/Ant4	Ant1
	Ant1	Ant2/Ant0		Ant2/Ant0	Ant1
CA_14A-66A	Ant0	Ant3/Ant4	CA_2A-14A	Ant3/Ant4	Ant0
	Ant0	Ant2		Ant2	Ant0
	Ant1	Ant3/Ant4		Ant3/Ant4	Ant1
	Ant1	Ant2/Ant0		Ant2/Ant0	Ant1
CA_7A-66A	Ant3/Ant4	Ant2/Ant0	CA_2A-30A	Ant3/Ant4	Ant2/Ant0
	Ant2/Ant0	Ant3/Ant4		Ant2/Ant0	Ant3/Ant4

LTE Inter Band UL CA	PCC ANT	SCC ANT	LTE Inter Band UL CA	PCC ANT	SCC ANT	LTE Inter Band UL CA	PCC ANT	SCC ANT
CA_2A-4A	Ant3/Ant4	Ant2/Ant0	CA_4A-13A	Ant3/Ant4	Ant0	CA_7A-26A	Ant3/Ant4	Ant0
	Ant2/Ant0	Ant3/Ant4		Ant2	Ant0		Ant2	Ant0
CA_2A-5A	Ant3/Ant4	Ant0		Ant3/Ant4	Ant1		Ant3/Ant4	Ant1
	Ant2	Ant0		Ant2/Ant0	Ant1		Ant2/Ant0	Ant1
	Ant3/Ant4	Ant1	CA_4A-5A	Ant3/Ant4	Ant0			
	Ant2/Ant0	Ant1		Ant2	Ant0			
CA_2A-66A	Ant3/Ant4	Ant2/Ant0		Ant3/Ant4	Ant1			
	Ant2/Ant0	Ant3/Ant4		Ant2/Ant0	Ant1			
CA_2A-71A	Ant3/Ant4	Ant0	CA_4A-7A	Ant3/Ant4	Ant2/Ant0			
	Ant2	Ant0		Ant2/Ant0	Ant3/Ant4			
	Ant3/Ant4	Ant1	CA_5A-66A	Ant0	Ant3/Ant4			
	Ant2/Ant0	Ant1		Ant0	Ant2			
CA_2A-7A	Ant3/Ant4	Ant2/Ant0		Ant1	Ant3/Ant4			
	Ant2/Ant0	Ant3/Ant4		Ant1	Ant2/Ant0			
CA_4A-12A	Ant3/Ant4	Ant0	CA_5A-7A	Ant0	Ant3/Ant4			
	Ant2	Ant0		Ant0	Ant2			
	Ant3/Ant4	Ant1		Ant1	Ant3/Ant4			
	Ant2/Ant0	Ant1		Ant1	Ant2/Ant0			

General Note:

1. The single carrier of inter band CA uplink power level is the same as Non-CA standalone LTE power level.
2. The product implements Qualcomm Smart Transmit feature which controls the instantaneous transmitting power for WWAN transmitter to ensure the product in compliance with FCC RF exposure limit over a defined time window. To control and manage transmitting power in real time and to ensure at all times the time-averaged RF exposure is compliant to the regulation requirement.
3. For LTE inter-band CA mode, Qualcomm Smart Transmit algorithm in WWAN adds directly the time-averaged RF exposure between two LTE bands. Smart Transmit algorithm controls the total RF exposure base on LTE inter CA bands to not exceed FCC limit.

5G NR Output Power (Unit: dBm)**General Note:**

1. 5G NR n2/n5/n7/n25/n26/n30/n38/n41/n48/n66 /n71/n77/n78 is NSA mode.
2. 5G NR n2/n5/n7/n12/n13/n14/n25/n26/n30/n38/n41/n48/n66/n70/n71/n77/n78 is SA mode.
3. 5G NR n89 is only operated in band combination for SUL mode.
4. For 5G NR test procedure was following step similar FCC KDB 941225 D05:
 - a. For DFT-OFDM and CP-OFDM output power measurement reduction, according to 38.101 maximum power reduction for power class2 and 3, the CP-OFDM mode will not higher than DFT-OFDM mode, therefore, similar FCC KDB 941225 D05 procedure for other modulation output power for each RB allocation configuration is > not ½ dB higher than the same configuration in DFT-s QPSK and the reported SAR for the DFT-s QPSK configuration is ≤ 1.45 W/kg; CP-OFDM testing is not required.
 - b. For DFT-OFDM output power measurement reduction, according to 38.101 maximum power reduction for power class2 and 3, for 16QAM/64QAM/256QAM and smaller bandwidth output power will spot check largest channel bandwidth worst RB configuration to ensure the 16QAM/64QAM/256QAM and smaller bandwidth output power will not ½ dB higher than the same configuration in the largest supported bandwidth.
 - c. SAR testing 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
 - d. 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure
 - e. 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
 - f. PI/2 BPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not ½ dB higher than the same configuration in QPSK, also reported SAR for the QPSK configuration is less than 1.45 W/kg, PI/2 BPSK /16QAM/64QAM/256QAM SAR testing are not required.
 - g. Smaller bandwidth output power for each RB allocation configuration for this device will not ½ 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
5. For 5G NR n41/n77/n78 HPUE, 5G NR n41/n77/n78 PC2 Maximum Duty Cycle is 50%, using FTM (Factory Test Mode) with 50% duty cycle is considered during SAR testing. For 5G NR other bands test, using FTM (Factory Test Mode) with default 100% duty cycle transmission to perform SAR testing.
6. 5G NR supports CP-OFDM and DFT-s-OFDM modulation, for DFT-s-OFDM power is higher than CP-OFDM, so only show DFT-s-OFDM power table and chose DFT-s-OFDM to perform SAR testing.
7. For DFT-s-OFDM and CP-OFDM output power measurement reduction, according to 38.101 maximum power reduction for the CP-OFDM mode will not higher than DFT-s-OFDM mode, therefore, CP-OFDM measurement is unnecessary.
8. NSA and SA mode should perform SAR separately. For the maximum power of NSA mode is the same as SA total power level, so SA SAR can represent NSA mode SAR.
9. 5G NR NSA mode, the power level is the same as 5G NR SA mode, so 5G NR NSA mode and SA mode power table only show one time.
10. For NR inter-band CA mode, Qualcomm Smart Transmit algorithm in WWAN adds directly the time-averaged RF exposure between two NR bands. Smart Transmit algorithm controls the total RF exposure base on NR inter band ULCA bands to not exceed FCC limit.
11. 5G NR n2/n7/n25/n30/n41/n48 / n66/n77/n78 supports UL MIMO.

<3GPP 38.101 MPR for EN-DC>
Table 6.2.2-1 Maximum power reduction (MPR) for power class 3

Modulation		MPR (dB)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM	Pi/2 BPSK	$\leq 3.5^1$	$\leq 1.2^1$	$\leq 0.2^1$
		$\leq 0.5^2$	$\leq 0.5^2$	0 ²
	QPSK	≤ 1		0
	16 QAM	≤ 2		≤ 1
	64 QAM	≤ 2.5		
CP-OFDM	256 QAM	≤ 4.5		
	QPSK	≤ 3		≤ 1.5
	16 QAM	≤ 3		≤ 2
	64 QAM	≤ 3.5		
	256 QAM	≤ 6.5		

NOTE 1: Applicable for UE operating in TDD mode with Pi/2 BPSK modulation and UE indicates support for UE capability *powerBoosting-pi2BPSK* and if the IE *powerBoostPi2BPSK* is set to 1 and 40 % or less slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79. The reference power of 0 dB MPR is 26 dBm.

NOTE 2: Applicable for UE operating in FDD mode, or in TDD mode in bands other than n40, n41, n77, n78 and n79 with Pi/2 BPSK modulation and if the IE *powerBoostPi2BPSK* is set to 0 and if more than 40 % of slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79.

Table 6.2.2-2 Maximum power reduction (MPR) for power class 2

Modulation		MPR (dB)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM	Pi/2 BPSK	≤ 3.5	≤ 0.5	0
	QPSK	≤ 3.5	≤ 1	0
	16 QAM	≤ 3.5	≤ 2	≤ 1
	64 QAM	≤ 3.5	≤ 2.5	
	256 QAM	≤ 4.5		
CP-OFDM	QPSK	≤ 3.5	≤ 3	≤ 1.5
	16 QAM	≤ 3.5	≤ 3	≤ 2
	64 QAM	≤ 3.5		
	256 QAM	≤ 6.5		

<EN-DC combination>

ENDC	LTE ANT	NR ANT
DC_12A_n25A	Ant0/Ant1	Ant3
	Ant0/Ant1	Ant2
DC_12A_n2A	Ant0/Ant1	Ant3
	Ant0/Ant1	Ant2
DC_12A_n30A	Ant0/Ant1	Ant3/Ant4
	Ant0	Ant2
	Ant1	Ant2/Ant0
DC_12A_n41A	Ant0/Ant1	Ant3/Ant4
	Ant0	Ant2
	Ant1	Ant2/Ant0
DC_12A_n66A	Ant0/Ant1	Ant3
	Ant0/Ant1	Ant2
DC_12A_n77A	Ant0/Ant1	Ant8/Ant2
	Ant0/Ant1	Ant4/Ant6
DC_12A_n78A	Ant0/Ant1	Ant8/Ant2
	Ant0/Ant1	Ant4/Ant6
DC_13A_n2A	Ant0/Ant1	Ant3
	Ant0/Ant1	Ant2
DC_13A_n66A	Ant0/Ant1	Ant3
	Ant0/Ant1	Ant2
DC_13A_n77A	Ant0/Ant1	Ant8/Ant2
	Ant0/Ant1	Ant4/Ant6
DC_13A_n78A	Ant0/Ant1	Ant8/Ant2
	Ant0/Ant1	Ant4/Ant6
DC_14A_n2A	Ant0/Ant1	Ant3
	Ant0/Ant1	Ant2
DC_14A_n30A	Ant0/Ant1	Ant3/Ant4



	Ant0	Ant2
	Ant1	Ant2/Ant0
DC_14A_n66A	Ant0/Ant1	Ant3
	Ant0/Ant1	Ant2
DC_14A_n77A	Ant0/Ant1	Ant8/Ant2
	Ant0/Ant1	Ant4/Ant6
DC_25A_n41A	Ant3/Ant4	Ant2/Ant0
	Ant2/Ant0	Ant3/Ant4
DC_25A_n77A	Ant3	Ant4/Ant6
	Ant4	Ant6
	Ant2	Ant8
	Ant0	Ant8/Ant2
DC_25A_n78A	Ant3	Ant4/Ant6
	Ant4	Ant6
	Ant2	Ant8
	Ant0	Ant8/Ant2
DC_2A_n30A	Ant3/Ant4	Ant2/Ant0
	Ant2/Ant0	Ant3/Ant4
DC_2A_n38A	Ant3/Ant4	Ant2/Ant0
	Ant2/Ant0	Ant3/Ant4
DC_2A_n41A	Ant3/Ant4	Ant2/Ant0
	Ant2/Ant0	Ant3/Ant4
DC_2A_n5A	Ant3/Ant4	Ant0/Ant1
	Ant2	Ant0/Ant1
	Ant0	Ant1
DC_2A_n66A	Ant3/Ant4	Ant2
	Ant2/Ant0	Ant3
DC_2A_n71A	Ant3/Ant4	Ant0/Ant1
	Ant2	Ant0/Ant1
	Ant0	Ant1
DC_2A_n77A	Ant3	Ant4/Ant6
	Ant4	Ant6
	Ant2	Ant8
	Ant0	Ant8/Ant2
DC_2A_n78A	Ant3	Ant4/Ant6
	Ant4	Ant6
	Ant2	Ant8
	Ant0	Ant8/Ant2
DC_2A_n7A	Ant3/Ant4	Ant2/Ant0
	Ant2/Ant0	Ant3/Ant4
DC_30A_n2A	Ant3/Ant4	Ant2
	Ant2/Ant0	Ant3
DC_30A_n5A	Ant3/Ant4	Ant0/Ant1
	Ant2	Ant0/Ant1
	Ant0	Ant1
DC_30A_n66A	Ant3/Ant4	Ant2
	Ant2/Ant0	Ant3
DC_30A_n77A	Ant3	Ant4/Ant6
	Ant4	Ant6
	Ant2	Ant8
	Ant0	Ant8/Ant2
DC_38A_n78A	Ant3	Ant4/Ant6
	Ant4	Ant6
	Ant2	Ant8
	Ant0	Ant8/Ant2
DC_41A_n77A	Ant3	Ant4/Ant6



	Ant4	Ant6
	Ant2	Ant8
	Ant0	Ant8/Ant2
DC_41A_n78A	Ant3	Ant4/Ant6
	Ant4	Ant6
	Ant2	Ant8
DC_48A_n2A	Ant0	Ant8/Ant2
	Ant8/Ant2	Ant3
	Ant4/Ant6	Ant2
DC_48A_n5A	Ant8/Ant2	Ant0/Ant1
	Ant4/Ant6	Ant0/Ant1
DC_48A_n66A	Ant8/Ant2	Ant3
	Ant4/Ant6	Ant2
DC_48A_n71A	Ant8/Ant2	Ant0/Ant1
	Ant4/Ant6	Ant0/Ant1
DC_4A_n2A	Ant3/Ant4	Ant2
	Ant2/Ant0	Ant3
DC_4A_n41A	Ant3/Ant4	Ant2/Ant0
	Ant2/Ant0	Ant3/Ant4
DC_4A_n5A	Ant3/Ant4	Ant0/Ant1
	Ant2	Ant0/Ant1
	Ant0	Ant1
DC_4A_n78A	Ant3	Ant4/Ant6
	Ant4	Ant6
	Ant2	Ant8
	Ant0	Ant8/Ant2
DC_4A_n7A	Ant3/Ant4	Ant2/Ant0
	Ant2/Ant0	Ant3/Ant4
DC_5A_n2A	Ant0/Ant1	Ant3
	Ant0/Ant1	Ant2
DC_5A_n30A	Ant0/Ant1	Ant3/Ant4
	Ant0	Ant2
	Ant1	Ant2/Ant0
DC_5A_n41A	Ant0/Ant1	Ant3/Ant4
	Ant0	Ant2
	Ant1	Ant2/Ant0
DC_5A_n66A	Ant0/Ant1	Ant3
	Ant0/Ant1	Ant2
DC_5A_n77A	Ant0/Ant1	Ant8/Ant2
	Ant0/Ant1	Ant4/Ant6
DC_5A_n78A	Ant0/Ant1	Ant8/Ant2
	Ant0/Ant1	Ant4/Ant6
DC_5A_n7A	Ant0/Ant1	Ant3/Ant4
	Ant0	Ant2
	Ant1	Ant2/Ant0
DC_66A_n25A	Ant3/Ant4	Ant2
	Ant2/Ant0	Ant3
DC_66A_n2A	Ant3/Ant4	Ant2
	Ant2/Ant0	Ant3
DC_66A_n30A	Ant3/Ant4	Ant2/Ant0
	Ant2/Ant0	Ant3/Ant4
DC_66A_n38A	Ant3/Ant4	Ant2/Ant0
	Ant2/Ant0	Ant3/Ant4
DC_66A_n41A	Ant3/Ant4	Ant2/Ant0
	Ant2/Ant0	Ant3/Ant4
DC_66A_n5A	Ant3/Ant4	Ant0/Ant1



DC_66A_n71A	Ant2	Ant0/Ant1
	Ant0	Ant1
	Ant3/Ant4	Ant0/Ant1
	Ant2	Ant0/Ant1
DC_66A_n77A	Ant0	Ant1
	Ant3	Ant4/Ant6
	Ant4	Ant6
	Ant2	Ant8
DC_66A_n78A	Ant0	Ant8/Ant2
	Ant3	Ant4/Ant6
	Ant4	Ant6
	Ant2	Ant8
DC_66A_n7A	Ant0	Ant8/Ant2
	Ant3/Ant4	Ant2/Ant0
DC_71A_n2A	Ant2/Ant0	Ant3/Ant4
	Ant0/Ant1	Ant3
DC_71A_n41A	Ant0/Ant1	Ant2
	Ant0/Ant1	Ant2
	Ant1	Ant2/Ant0
	Ant0/Ant1	Ant8/Ant2
DC_71A_n48A	Ant0/Ant1	Ant4/Ant6
	Ant0/Ant1	Ant3
DC_71A_n66A	Ant0/Ant1	Ant2
	Ant0/Ant1	Ant8/Ant2
DC_71A_n77A	Ant0/Ant1	Ant4/Ant6
	Ant0/Ant1	Ant8/Ant2
DC_71A_n78A	Ant0/Ant1	Ant4/Ant6
	Ant0/Ant1	Ant4/Ant6
DC_7A_n25A	Ant3/Ant4	Ant2
	Ant2/Ant0	Ant3
DC_7A_n26A	Ant3/Ant4	Ant0/Ant1
	Ant2	Ant0/Ant1
	Ant0	Ant1
DC_7A_n2A	Ant3/Ant4	Ant2
	Ant2/Ant0	Ant3
DC_7A_n5A	Ant3/Ant4	Ant0/Ant1
	Ant2	Ant0/Ant1
	Ant0	Ant1
DC_7A_n66A	Ant3/Ant4	Ant2
	Ant2/Ant0	Ant3
DC_7A_n71A	Ant3/Ant4	Ant0/Ant1
	Ant2	Ant0/Ant1
	Ant0	Ant1
DC_7A_n77A	Ant3	Ant4/Ant6
	Ant4	Ant6
	Ant2	Ant8
	Ant0	Ant8/Ant2
DC_7A_n78A	Ant3	Ant4/Ant6
	Ant4	Ant6
	Ant2	Ant8
	Ant0	Ant8/Ant2

**Inter-Band CA Configuration:**

NR UL CA	NR ANT	NR ANT
CA_n13A-n66A	Ant0/Ant1	Ant3
	Ant0/Ant1	Ant2
CA_n13A-n77A	Ant0/Ant1	Ant8/Ant2
	Ant0/Ant1	Ant4/Ant6
CA_n14A-n30A	Ant0	Ant3/Ant4
	Ant0	Ant2
	Ant1	Ant3/Ant4
	Ant1	Ant2/Ant0
CA_n14A-n66A	Ant0/Ant1	Ant3
	Ant0/Ant1	Ant2
CA_n14A-n77A	Ant0/Ant1	Ant8/Ant2
	Ant0/Ant1	Ant4/Ant6
CA_n25A-n38A	Ant3	Ant2/Ant0
	Ant2	Ant3/Ant4
CA_n25A-n41A	Ant3	Ant2/Ant0
	Ant2	Ant3/Ant4
CA_n25A-n48A	Ant3	Ant4/Ant6
	Ant2	Ant8
CA_n25A-n66A	Ant3	Ant2
	Ant2	Ant3
CA_n25A-n71A	Ant3	Ant0/Ant1
	Ant2	Ant0/Ant1
CA_n25A-n77A	Ant3	Ant4/Ant6
	Ant2	Ant8
CA_n25A-n78A	Ant3	Ant4/Ant6
	Ant2	Ant8
CA_n26A-n78A	Ant0/Ant1	Ant8/Ant2
	Ant0/Ant1	Ant4/Ant6
CA_n2A-n14A	Ant3	Ant0/Ant1
	Ant2	Ant0/Ant1
CA_n2A-n30A	Ant3	Ant2/Ant0
	Ant2	Ant3/Ant4
CA_n2A-n41A	Ant3	Ant2/Ant0
	Ant2	Ant3/Ant4
CA_n2A-n48A	Ant3	Ant4/Ant6
	Ant2	Ant8
CA_n2A-n5A	Ant3	Ant0/Ant1
	Ant2	Ant0/Ant1
CA_n2A-n66A	Ant3	Ant2
	Ant2	Ant3
CA_n2A-n77A	Ant3	Ant4/Ant6
	Ant2	Ant8
CA_n2A-n78A	Ant3	Ant4/Ant6
	Ant2	Ant8
CA_n30A-n66A	Ant3/Ant4	Ant2
	Ant2/Ant0	Ant3
CA_n30A-n77A	Ant3	Ant4/Ant6
	Ant4	Ant6
	Ant2	Ant8
	Ant0	Ant8/Ant2
CA_n38A-n78A	Ant3	Ant4/Ant6



	Ant4	Ant6
	Ant2	Ant8
	Ant0	Ant8/Ant2
CA_n41A-n48A	Ant3	Ant4/Ant6
	Ant4	Ant6
	Ant2	Ant8
CA_n41A-n66A	Ant0	Ant8/Ant2
	Ant3/Ant4	Ant2
	Ant2/Ant0	Ant3
CA_n41A-n71A	Ant3/Ant4	Ant0
	Ant2	Ant0
	Ant3/Ant4	Ant1
CA_n41A-n77A	Ant2/Ant0	Ant1
	Ant3	Ant4/Ant6
	Ant4	Ant6
CA_n41A-n78A	Ant2	Ant8
	Ant0	Ant8/Ant2
	Ant3	Ant4/Ant6
CA_n48A-n66A	Ant4	Ant6
	Ant2	Ant8
	Ant0	Ant8/Ant2
CA_n48A-n71A	Ant8	Ant2
	Ant4/Ant6	Ant3
	Ant8/Ant2	Ant0/Ant1
CA_n5A-n25A	Ant4/Ant6	Ant0/Ant1
	Ant0/Ant1	Ant3
	Ant0/Ant1	Ant2
CA_n5A-n30A	Ant0	Ant3/Ant4
	Ant0	Ant2
	Ant1	Ant3/Ant4
CA_n5A-n48A	Ant1	Ant2/Ant0
	Ant0/Ant1	Ant8/Ant2
	Ant0/Ant1	Ant4/Ant6
CA_n5A-n66A	Ant0/Ant1	Ant3
	Ant0/Ant1	Ant2
CA_n5A-n77A	Ant0/Ant1	Ant8/Ant2
	Ant0/Ant1	Ant4/Ant6
CA_n5A-n78A	Ant0/Ant1	Ant8/Ant2
	Ant0/Ant1	Ant4/Ant6
CA_n5A-n7A	Ant0	Ant3/Ant4
	Ant0	Ant2
	Ant1	Ant3/Ant4
CA_n66A-n71A	Ant1	Ant2/Ant0
	Ant3	Ant0/Ant1
	Ant2	Ant0/Ant1
CA_n66A-n77A	Ant3	Ant4/Ant6
	Ant2	Ant8
CA_n66A-n78A	Ant3	Ant4/Ant6
	Ant2	Ant8
CA_n70A-n71A	Ant3	Ant0/Ant1
	Ant2	Ant0/Ant1
CA_n71A-n77A	Ant0/Ant1	Ant8/Ant2
	Ant0/Ant1	Ant4/Ant6
CA_n71A-n78A	Ant0/Ant1	Ant8/Ant2
	Ant0/Ant1	Ant4/Ant6
	Ant3/Ant4	Ant2



	Ant2/Ant0	Ant3
CA_n7A-n66A	Ant3/Ant4	Ant2
	Ant2/Ant0	Ant3
	Ant3	Ant4/Ant6
CA_n7A-n77A	Ant4	Ant6
	Ant2	Ant8
	Ant0	Ant8/Ant2
	Ant3	Ant4/Ant6
CA_n7A-n78A	Ant4	Ant6
	Ant2	Ant8
	Ant0	Ant8/Ant2
	Ant3	Ant4/Ant6

Intra-Band CA Configuration:

NR Uplink CA	2CC Uplink Carrier Aggregation			
Intra-band	Main Antenna Tx	ASDiv-1 Tx	ASDiv-2 Tx	ASDiv-3 Tx
CA_n41C	Ant3	Ant2	Ant4	Ant0
CA_n77C	Ant8	Ant4	Ant2	Ant6

UL MIMO combination:

ULMIMO mode	NR ANT	NR ANT
n2	Ant3	Ant2
n7	Ant3	Ant2
	Ant4	Ant2
	Ant3	Ant0
	Ant4	Ant0
n25	Ant3	Ant2
n30	Ant3	Ant2
	Ant4	Ant2
	Ant3	Ant0
	Ant4	Ant0
n41	Ant3	Ant2
	Ant4	Ant2
	Ant3	Ant0
	Ant4	Ant0
n48	Ant8	Ant4
	Ant2	Ant4
	Ant8	Ant6
	Ant2	Ant6
n66	Ant3	Ant2
n77	Ant8	Ant4
	Ant2	Ant4
	Ant8	Ant6
	Ant2	Ant6
n78	Ant8	Ant4
	Ant2	Ant4
	Ant8	Ant6
	Ant2	Ant6

<WLAN Conducted Power>

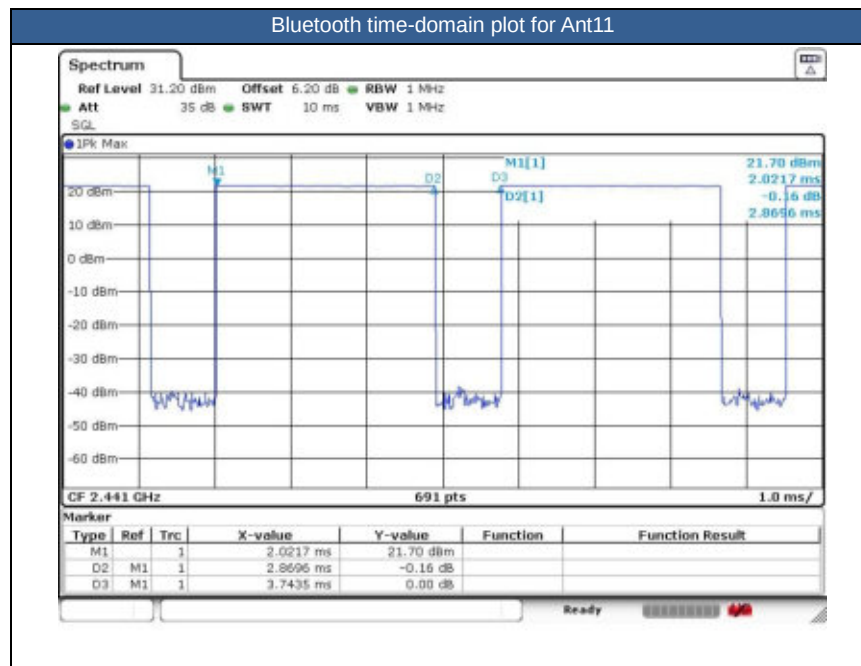
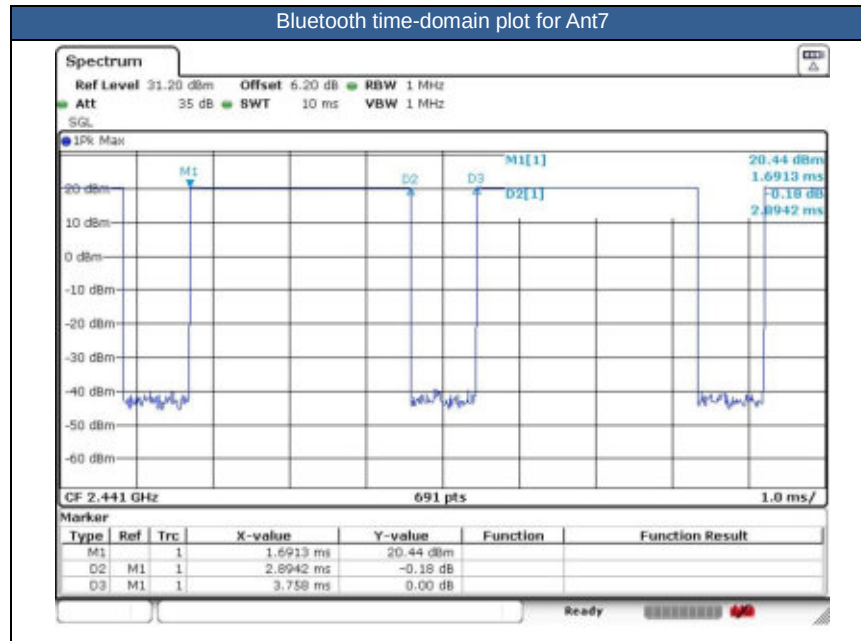
General Note:

1. The maximum output power specified for production units are determined for all applicable 802.11 transmission modes in each standalone and aggregated frequency band. Maximum output power is measured for the highest maximum output power configuration(s) in each frequency band according to the default power measurement procedures. For "Not required", SAR Test reduction was applied from KDB 248227 guidance, Sec. 2.1, b), 1) when the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel in the initial test configuration. Additional output power measurements were not necessary.
2. Per KDB 248227 D01v02r02, SAR test reduction is determined according to 802.11 transmission mode configurations and certain exposure conditions with multiple test positions. In the 2.4 GHz band, separate SAR procedures are applied to DSSS and OFDM configurations to simplify DSSS test requirements. For OFDM, in both 2.4 and 5 GHz bands, an initial test configuration must be determined for each standalone and aggregated frequency band, according to the transmission mode configuration with the highest maximum output power specified for production units to perform SAR measurements. If the same highest maximum output power applies to different combinations of channel bandwidths, modulations and data rates, additional procedures are applied to determine which test configurations require SAR measurement. When applicable, an initial test position may be applied to reduce the number of SAR measurements required for next to the ear, UMPC mini-tablet or hotspot mode configurations with multiple test positions.
3. For 2.4 GHz 802.11b DSSS, either the initial test position procedure for multiple exposure test positions or the DSSS procedure for fixed exposure position is applied; these are mutually exclusive. For 2.4 GHz and 5 GHz OFDM configurations, the initial test configuration is applied to measure SAR using either the initial test position procedure for multiple exposure test position configurations or the initial test configuration procedures for fixed exposure test conditions. Based on the reported SAR of the measured configurations and maximum output power of the transmission mode configurations that are not included in the initial test configuration, the subsequent test configuration and initial test position procedures are applied to determine if SAR measurements are required for the remaining OFDM transmission configurations. In general, the number of test channels that require SAR measurement is minimized based on maximum output power measured for the test sample(s).
4. For OFDM transmission configurations in the 2.4 GHz and 5 GHz bands, When the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel for each frequency band.
5. DSSS and OFDM configurations are considered separately according to the required SAR procedures. SAR is measured in the initial test position using the 802.11 transmission mode configuration required by the DSSS procedure or initial test configuration and subsequent test configuration(s) according to the OFDM procedures. The initial test position procedure is described in the following:
 - a. When the reported SAR of the initial test position is ≤ 0.4 W/kg, further SAR measurement is not required for the other test positions in that exposure configuration and 802.11 transmission mode combinations within the frequency band or aggregated band.
 - b. 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 closest/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.
 - c. 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.
6. 802.11 ax/be supports both full tone size mode and partial tone size mode, after verification on partial tone size mode that partial size tone mode power will not be higher than full tone size mode, therefore, full tone mode power was chosen to be measured in this report.
7. SISO and MIMO all supported by WLAN2.4GHz/WLAN5GHz/WLAN6GHz, for SISO mode power is less than per chain power of MIMO mode. For WLAN SISO & MIMO mode, the whole testing has assessed only MIMO mode by referring to their higher conducted power, so only chose MIMO mode to perform SAR testing.
8. For the conducted power measurement is MIMO chains transmitting simultaneously and measured the separately conducted power for both chains and then based on the conducted power of two antennas respectively to calculate sum of the power for MIMO mode.

<2.4GHz Bluetooth>

General Note:

1. For 2.4GHz Bluetooth SAR testing was selected 1Mbps, due to its highest average power.
2. The Bluetooth duty cycle are 77.01% for ANT7, 76.66% for ANT11 as following figure, Bluetooth SAR scaling need further consideration and the theoretical duty cycle is 83.3%, therefore the actual duty cycle will be scaled up to the theoretical value of Bluetooth reported SAR calculation.





15. Antenna Location

The detailed antenna location information can refer to SAR Test Setup Photos.

16. SAR Test Results

General Note:

1. Per KDB 447498 D01v06, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - b. For SAR testing of WLAN signal with non-100% duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle)"
 - c. For SAR testing of Bluetooth signal with 83.3% theoretical duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle) *83.3%".
 - d. For WWAN: Reported SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
 - e. For BT/WLAN: Reported SAR(W/kg)= Measured SAR(W/kg)* Duty Cycle scaling factor * Tune-up scaling factor
 - f. For TDD LTE SAR measurement of power class 3, 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 (W/kg) = Measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.
 - g. For TDD LTE SAR measurement of power class 2, the duty cycle 1:2.33 (42.9 %) was used perform testing and considering the theoretical duty cycle of 43.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 42.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix 43.3%/42.9% = 1.009 is applied to scale-up the measured SAR result. The reported TDD LTE SAR (W/kg) = 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 when the measured SAR is ≥ 0.8 W/kg. 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 device implements the power management, Hall sensor and proximity sensor /receiver detection/hotspot mode for SAR compliance at different exposure conditions (head, body-worn, hotspot, extremity) and the Qualcomm smart transmit will manage to ensure the power level not exceeding the associated power table. Details about the power management decision and sensor detection are provided in the operational description. And the device will invoke corresponding work scenarios power level base on frequency bands/antennas, which can refer to power table at appendix E.
5. 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.
6. Per KDB648474 D04v01r03, this device is considered a "phablet" when it is in a closed configuration since the display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm and less than 200mm, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg, however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold.
 - a. For this device SAR for WWAN/WLAN transmitter scaled to maximum output power mode for product specific 10g SAR is higher than 1.2W/kg of GSM1900, WCDMA Band II/IV/V, LTE Band 2/4/5/7/25/26/30/38/41/66/42/43/48, 5GNR n2/n7/n25/n30/n66/n38/n41/n48/n70/n77/n78 and WLAN 2.4GHz/WLAN 5.2/5.8GHz therefore product specific 10g SAR is necessary.
 - b. WLAN 5.3/5.5/6GHz tested the product specific 10g SAR since it has no hotspot mode.
 - c. When 10-g product specific 10g SAR is considered, SAR thresholds is specified in the procedures for SAR test reduction and exclusion should be multiplied by 2.5.
7. Although the headset SAR is greater than 0.8 W/kg, the headset SAR verified the worst of the non-headset SAR and less than non-headset SAR, so there is no need to be tested other channels.
8. According to Nov. 2017 TCB workshop, when the reported 1gSAR for UL CA configuration is <1.2 W/kg, UL CA 1gSAR is not required for all required test channels (PCC based).



9. SAR is not required because the distance from the antenna to the edge is > 25 mm as per KDB 941225 D06 Hotspot SAR.
10. For Phablet devices, when hotspot mode is not supported, Product specific 10-g SAR is required for all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge in direct contact with a flat phantom, to address interactive hand use exposure conditions.
11. Per FCC guidance, SAR was performed using 6.5 GHz SAR probe calibration factors.
12. Per October 2020 TCB Workshop Interim procedures, start instead with a minimum of 5 test channels across the full band, then adapt and apply conducted power and SAR test reduction procedures of KDB Pub. 248227 v02r02.
13. Absorbed power density (APD) using a 4cm^2 averaging area is reported based on SAR measurements.
14. Per October 2022 TCB Workshop, IPD and SAR test frequencies for 5.85-7.125 GHz portable devices, continue with adapt and apply conducted power-based channel picks and test reduction procedures of KDB 248227 (v02r02), also in case of 320 MHz (pre-802.11be).
15. For testing the WLAN 6GHz of this DUT, the selection of test channels was based on FCC guidance, with five channels selected across the entire WLAN 6GHz Bands.
16. The EUT has two work states, flip open and flip close, SAR testing have been evaluated two states. For head / body-worn/ hotspot/ extremity mode, only flip close configuration is performed SAR testing.
17. Per FCC KDB Publication 648474 D04v01r03, this device is considered a "tablet" when it is in a flip open configuration since the diagonal dimension is greater than 160mm and more than 200mm. Therefore, tablet SAR tests with 1g SAR are required at a test separation distances of 0 mm.
18. 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. Further simplification chose the worse SAR value and the worst scaling factor from each transmit chain perform reported SAR calculation conservatively. If the hot spots are not spatially separated, the scaling factor is determined from the worst number of each transmit chain.
19. Since the EUT's rear camera is protruding and there are multiple TX ants, which are distributed in various positions of the mobile phone, different reference surfaces are considered as the benchmark 5mm test on the body respectively and different reference surfaces of each antenna are considered as the benchmark 0mm test on the limbs respectively, more details refer to the test photos.

GSM Note:

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

WCDMA Note:

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

LTE Note:

1. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
2. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
3. Per KDB 941225 D05v02r05, for QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
4. Per KDB 941225 D05v02r05, 16QAM/64QAM/256QAM output power for each RB allocation configuration is $> \text{not } \frac{1}{2}$ 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/64QAM/256QAM SAR testing is not required.
5. Per KDB 941225 D05v02r05, smaller bandwidth output power for each RB allocation configuration is $> \text{not } \frac{1}{2}$ 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 B2 / B4 / B5 / B17 / B38 SAR test was covered by B25 / B66 / B26 / B12 / B41; according to April 2015 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. For 5G NR test procedure was following step similar FCC KDB 941225 D05:
 - a. SAR testing 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.
 - b. 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure
 - c. 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.
 - d. $\text{PI}/2$ BPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not $\frac{1}{2}$ dB higher than the same configuration in QPSK, also reported SAR for the QPSK configuration is less than 1.45 W/kg, $\text{PI}/2$ BPSK /16QAM/64QAM/256QAM SAR testing are not required.
 - e. Smaller bandwidth output power for each RB allocation configuration for this device will 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
 - f. For 5G FR1 n2/n5/n7/n25/n26/n66/n38/n41/n77 the maximum bandwidth does not support three non-overlapping channels, 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.

WLAN/Bluetooth 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, U-NII-1 SAR testing is not required when the U-NII-2A band highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 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. During SAR testing the WLAN transmission was verified using a spectrum analyzer.

Power Density General Notes:

1. 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.
2. Batteries are fully charged at the beginning of the measurements.
3. Absorbed power density (APD) using a 4cm^2 averaging area is reported based on SAR measurements.
4. Power density was calculated by repeated E-field measurements on two measurement planes separated by $\lambda/4$.
5. 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.
6. Per FCC guidance and equipment manufacturer guidance, 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.
7. Per April 2021 TCB Workshop and KDB 388624 D02v18r08, For the highest SAR test configurations also measure incident PD (total) using power-density reconstruction method in 2 mm closest measurement plane.
8. Per October 2020 TCB Workshop, PTP-PR algorithm was used during psPD measurement and calculations.
9. When it is in flip close configuration since this device is considered a phablet and there is no different PD limit on different exposure conditions, therefore select highest phablet SAR at 0 mm test distance and configurations evaluate power density. Since there is no different PD limit on different exposure conditions, therefore the PD test was performed of a 2mm separation between Probe sensor and EUT surface to cover Head exposure conditions (Front) at head power level and other exposure conditions at body power level of Phone respectively
10. When it is in flip open configuration, the PD test was performed of a 2mm separation between Probe sensor and EUT surface..
11. The measurement procedure consists of measuring the PDinc at two different distances: 2 mm (compliance distance) and $\lambda/5$. The grid extents should be large enough to fully capture the transmitted energy. The grid step should be fine enough to demonstrate that the integrated Power Density iPDn fulfill the criterion described below. Since iPD ratio between the two distances is $\geq -1\text{dB}$, the grid step (0.0625) was sufficient for determining compliance at $d=2\text{mm}$.

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

DSI status description:

The device has the following DSI state which used at different exposure condition.

This WWAN/WLAN/BT bands enabled with Qualcomm Smart Transmit feature which located at chapter 5. The default power is Pmax power, When Plimit power higher than Pmax power, the output power will be limited at Pmax, and so the SAR will use Pmax power to do the testing.

Exposure Condition	DSI	EUT Flip State	Trigger conditions
Head	DSI 2	Flip Close	Earpiece On
Body worn	DSI 3	Flip Close	Sensor On
Body	DSI 12	Flip Open	Sensor On
Extremity	DSI 6	Flip Close	Sensor On
Hotspot	DSI 7	Flip Close	Hotspot on
Body/ Body Worn / Extremity / Sensor Off	DSI 4	Flip Open/Flip Close	Sensor Off



16.1 Head SAR

<Flip Close>

[GSM SAR]

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM850	GPRS 3 Tx slots	Right Cheek	0mm	Ant 0	DSI 2	189	836.4	28.84	30.00	1.306	0.01	0.122	0.159
	GSM850	GPRS 3 Tx slots	Right Tilted	0mm	Ant 0	DSI 2	189	836.4	28.84	30.00	1.306	0.01	0.066	0.086
	GSM850	GPRS 3 Tx slots	Left Cheek	0mm	Ant 0	DSI 2	189	836.4	28.84	30.00	1.306	0.06	0.079	0.103
	GSM850	GPRS 3 Tx slots	Left Tilted	0mm	Ant 0	DSI 2	189	836.4	28.84	30.00	1.306	-0.17	0.048	0.063
01	GSM850	GPRS 3 Tx slots	Right Cheek	0mm	Ant 1	DSI 2	189	836.4	29.12	30.00	1.225	0.14	0.202	0.247
	GSM850	GPRS 3 Tx slots	Right Tilted	0mm	Ant 1	DSI 2	189	836.4	29.12	30.00	1.225	-0.10	0.001	0.001
	GSM850	GPRS 3 Tx slots	Left Cheek	0mm	Ant 1	DSI 2	189	836.4	29.12	30.00	1.225	0.09	0.073	0.089
	GSM850	GPRS 3 Tx slots	Left Tilted	0mm	Ant 1	DSI 2	189	836.4	29.12	30.00	1.225	0.05	0.001	0.001
	GSM1900	GPRS 3 Tx slots	Right Cheek	0mm	Ant 3	DSI 2	661	1880	25.36	26.50	1.3	0.13	0.657	0.854
	GSM1900	GPRS 3 Tx slots	Right Cheek	0mm	Ant 3	DSI 2	512	1850.2	25.04	26.50	1.4	-0.11	0.628	0.879
	GSM1900	GPRS 3 Tx slots	Right Cheek	0mm	Ant 3	DSI 2	810	1909.8	25.00	26.50	1.413	-0.07	0.641	0.906
	GSM1900	GPRS 3 Tx slots	Right Tilted	0mm	Ant 3	DSI 2	661	1880	25.36	26.50	1.3	-0.05	0.796	1.035
	GSM1900	GPRS 3 Tx slots	Right Tilted	0mm	Ant 3	DSI 2	512	1850.2	25.04	26.50	1.4	0.16	0.635	0.889
	GSM1900	GPRS 3 Tx slots	Right Tilted	0mm	Ant 3	DSI 2	810	1909.8	25.00	26.50	1.413	-0.06	0.731	1.033
	GSM1900	GPRS 3 Tx slots	Left Cheek	0mm	Ant 3	DSI 2	661	1880	25.36	26.50	1.3	-0.08	0.664	0.863
	GSM1900	GPRS 3 Tx slots	Left Cheek	0mm	Ant 3	DSI 2	512	1850.2	25.04	26.50	1.4	0.01	0.653	0.914
	GSM1900	GPRS 3 Tx slots	Left Cheek	0mm	Ant 3	DSI 2	810	1909.8	25.00	26.50	1.413	0.06	0.639	0.903
	GSM1900	GPRS 3 Tx slots	Left Tilted	0mm	Ant 3	DSI 2	661	1880	25.36	26.50	1.3	-0.18	0.706	0.918
	GSM1900	GPRS 3 Tx slots	Left Tilted	0mm	Ant 3	DSI 2	512	1850.2	25.04	26.50	1.4	0.05	0.622	0.871
02	GSM1900	GPRS 3 Tx slots	Left Tilted	0mm	Ant 3	DSI 2	810	1909.8	25.00	26.50	1.413	-0.09	0.849	1.200
	GSM1900	GPRS 3 Tx slots	Right Cheek	0mm	Ant 4	DSI 2	661	1880	24.25	25.00	1.189	0.12	0.088	0.105
	GSM1900	GPRS 3 Tx slots	Right Tilted	0mm	Ant 4	DSI 2	661	1880	24.25	25.00	1.189	-0.05	0.065	0.077
	GSM1900	GPRS 3 Tx slots	Left Cheek	0mm	Ant 4	DSI 2	661	1880	24.25	25.00	1.189	0.05	0.294	0.350
	GSM1900	GPRS 3 Tx slots	Left Tilted	0mm	Ant 4	DSI 2	661	1880	24.25	25.00	1.189	-0.05	0.172	0.205

[WCDMA SAR]

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 3	DSI 2	9400	1880	21.06	21.80	1.186	0.18	0.734	0.871
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 3	DSI 2	9262	1852.4	21.02	21.80	1.197	-0.01	0.551	0.660
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 3	DSI 2	9538	1907.6	20.98	21.80	1.208	0.01	0.656	0.792
	WCDMA II	RMC 12.2Kbps	Right Tilted	0mm	Ant 3	DSI 2	9400	1880	21.06	21.80	1.186	0.10	0.925	1.097
	WCDMA II	RMC 12.2Kbps	Right Tilted	0mm	Ant 3	DSI 2	9262	1852.4	21.02	21.80	1.197	-0.11	0.693	0.830
	WCDMA II	RMC 12.2Kbps	Right Tilted	0mm	Ant 3	DSI 2	9538	1907.6	20.98	21.80	1.208	-0.09	0.816	0.986
	WCDMA II	RMC 12.2Kbps	Left Cheek	0mm	Ant 3	DSI 2	9400	1880	21.06	21.80	1.186	-0.18	0.825	0.978
	WCDMA II	RMC 12.2Kbps	Left Cheek	0mm	Ant 3	DSI 2	9262	1852.4	21.02	21.80	1.197	0.01	0.538	0.644
	WCDMA II	RMC 12.2Kbps	Left Cheek	0mm	Ant 3	DSI 2	9538	1907.6	20.98	21.80	1.208	0.19	0.743	0.898
03	WCDMA II	RMC 12.2Kbps	Left Tilted	0mm	Ant 3	DSI 2	9400	1880	21.06	21.80	1.186	-0.08	1.080	1.281
	WCDMA II	RMC 12.2Kbps	Left Tilted	0mm	Ant 3	DSI 2	9262	1852.4	21.02	21.80	1.197	-0.03	0.715	0.856
	WCDMA II	RMC 12.2Kbps	Left Tilted	0mm	Ant 3	DSI 2	9538	1907.6	20.98	21.80	1.208	0.13	0.952	1.150
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 4	DSI 2	9400	1880	22.74	23.40	1.164	-0.16	0.348	0.405
	WCDMA II	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DSI 2	9400	1880	22.74	23.40	1.164	0.12	0.287	0.334
	WCDMA II	RMC 12.2Kbps	Left Cheek	0mm	Ant 4	DSI 2	9400	1880	22.74	23.40	1.164	0.12	1.030	1.199
	WCDMA II	RMC 12.2Kbps	Left Cheek	0mm	Ant 4	DSI 2	9262	1852.4	22.62	23.40	1.197	0.04	1.060	1.269
	WCDMA II	RMC 12.2Kbps	Left Cheek	0mm	Ant 4	DSI 2	9538	1907.6	22.67	23.40	1.183	-0.06	0.811	0.959
	WCDMA II	RMC 12.2Kbps	Left Tilted	0mm	Ant 4	DSI 2	9400	1880	22.74	23.40	1.164	0.19	0.667	0.776
	WCDMA IV	RMC 12.2Kbps	Right Cheek	0mm	Ant 3	DSI 2	1413	1732.6	21.55	22.30	1.189	0.15	0.331	0.394
	WCDMA IV	RMC 12.2Kbps	Right Tilted	0mm	Ant 3	DSI 2	1413	1732.6	21.55	22.30	1.189	-0.01	0.439	0.522
	WCDMA IV	RMC 12.2Kbps	Left Cheek	0mm	Ant 3	DSI 2	1413	1732.6	21.55	22.30	1.189	-0.03	0.306	0.364
	WCDMA IV	RMC 12.2Kbps	Left Tilted	0mm	Ant 3	DSI 2	1413	1732.6	21.55	22.30	1.189	-0.12	0.921	1.095
	WCDMA IV	RMC 12.2Kbps	Left Tilted	0mm	Ant 3	DSI 2	1312	1712.4	21.48	22.30	1.208	-0.12	0.900	1.087
04	WCDMA IV	RMC 12.2Kbps	Left Tilted	0mm	Ant 3	DSI 2	1513	1752.6	21.51	22.30	1.199	-0.05	1.080	1.295
	WCDMA IV	RMC 12.2Kbps	Right Cheek	0mm	Ant 4	DSI 2	1413	1732.6	22.76	24.00	1.33	-0.14	0.178	0.237
	WCDMA IV	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DSI 2	1413	1732.6	22.76	24.00	1.33	0.10	0.110	0.146
	WCDMA IV	RMC 12.2Kbps	Left Cheek	0mm	Ant 4	DSI 2	1413	1732.6	22.76	24.00	1.33	-0.04	0.566	0.753
	WCDMA IV	RMC 12.2Kbps	Left Tilted	0mm	Ant 4	DSI 2	1413	1732.6	22.76	24.00	1.33	0.12	0.261	0.347
	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 0	DSI 2	4182	836.4	23.49	24.00	1.125	0.01	0.155	0.174
	WCDMA V	RMC 12.2Kbps	Right Tilted	0mm	Ant 0	DSI 2	4182	836.4	23.49	24.00	1.125	-0.19	0.083	0.093
	WCDMA V	RMC 12.2Kbps	Left Cheek	0mm	Ant 0	DSI 2	4182	836.4	23.49	24.00	1.125	0.13	0.115	0.129
	WCDMA V	RMC 12.2Kbps	Left Tilted	0mm	Ant 0	DSI 2	4182	836.4	23.49	24.00	1.125	-0.18	0.068	0.077
05	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	4182	836.4	23.26	24.00	1.186	0.11	0.265	0.314
	WCDMA V	RMC 12.2Kbps	Right Tilted	0mm	Ant 1	DSI 2	4182	836.4	23.26	24.00	1.186	-0.11	0.001	0.001
	WCDMA V	RMC 12.2Kbps	Left Cheek	0mm	Ant 1	DSI 2	4182	836.4	23.26	24.00	1.186	-0.05	0.099	0.117
	WCDMA V	RMC 12.2Kbps	Left Tilted	0mm	Ant 1	DSI 2	4182	836.4	23.26	24.00	1.186	0.03	0.001	0.001



【LTE SAR】

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 3	DSI 2	21100	2535	14.89	15.40	1.125			-0.04	0.818	0.920
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 3	DSI 2	20850	2510	14.81	15.40	1.146			0.05	0.712	0.816
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 3	DSI 2	21350	2560	14.77	15.40	1.156			-0.13	0.874	1.010
	LTE Band 7	20M	QPSK	50	0	Right Cheek	0mm	Ant 3	DSI 2	21100	2535	14.85	15.40	1.135			0.14	0.658	0.747
	LTE Band 7	20M	QPSK	100	0	Right Cheek	0mm	Ant 3	DSI 2	21100	2535	14.79	15.40	1.151			-0.14	0.649	0.747
	LTE Band 7	20M	QPSK	1	0	Right Tilted	0mm	Ant 3	DSI 2	21100	2535	14.89	15.40	1.125			0.08	1.000	1.125
	LTE Band 7	20M	QPSK	1	0	Right Tilted	0mm	Ant 3	DSI 2	20850	2510	14.81	15.40	1.146			-0.10	0.840	0.963
	LTE Band 7	20M	QPSK	1	0	Right Tilted	0mm	Ant 3	DSI 2	21350	2560	14.77	15.40	1.156			0.08	1.090	1.260
	LTE Band 7	20M	QPSK	50	0	Right Tilted	0mm	Ant 3	DSI 2	21100	2535	14.85	15.40	1.135			0.14	0.818	0.928
	LTE Band 7	20M	QPSK	50	0	Right Tilted	0mm	Ant 3	DSI 2	20850	2510	14.82	15.40	1.143			-0.11	0.708	0.809
	LTE Band 7	20M	QPSK	50	0	Right Tilted	0mm	Ant 3	DSI 2	21350	2560	14.80	15.40	1.148			0.10	0.907	1.041
	LTE Band 7	20M	QPSK	100	0	Right Tilted	0mm	Ant 3	DSI 2	21100	2535	14.79	15.40	1.151			-0.06	0.806	0.928
	LTE Band 7	20M	QPSK	1	0	Left Cheek	0mm	Ant 3	DSI 2	21100	2535	14.89	15.40	1.125			0.16	0.767	0.863
	LTE Band 7	20M	QPSK	1	0	Left Cheek	0mm	Ant 3	DSI 2	20850	2510	14.81	15.40	1.146			0.17	0.648	0.743
	LTE Band 7	20M	QPSK	1	0	Left Cheek	0mm	Ant 3	DSI 2	21350	2560	14.77	15.40	1.156			0.02	0.887	1.025
	LTE Band 7	20M	QPSK	50	0	Left Cheek	0mm	Ant 3	DSI 2	21100	2535	14.85	15.40	1.135			-0.19	0.626	0.711
	LTE Band 7	20M	QPSK	100	0	Left Cheek	0mm	Ant 3	DSI 2	21100	2535	14.79	15.40	1.151			0.12	0.622	0.716
	LTE Band 7	20M	QPSK	1	0	Left Tilted	0mm	Ant 3	DSI 2	21100	2535	14.89	15.40	1.125			-0.11	1.000	1.125
	LTE Band 7	20M	QPSK	1	0	Left Tilted	0mm	Ant 3	DSI 2	20850	2510	14.81	15.40	1.146			-0.15	0.813	0.932
06	LTE Band 7	20M	QPSK	1	0	Left Tilted	0mm	Ant 3	DSI 2	21350	2560	14.77	15.40	1.156			-0.08	1.120	1.295
	LTE Band 7	20M	QPSK	50	0	Left Tilted	0mm	Ant 3	DSI 2	21100	2535	14.85	15.40	1.135			-0.04	0.796	0.903
	LTE Band 7	20M	QPSK	50	0	Left Tilted	0mm	Ant 3	DSI 2	20850	2510	14.82	15.40	1.143			-0.18	0.680	0.777
	LTE Band 7	20M	QPSK	50	0	Left Tilted	0mm	Ant 3	DSI 2	21350	2560	14.80	15.40	1.148			-0.00	0.892	1.024
	LTE Band 7	20M	QPSK	100	0	Left Tilted	0mm	Ant 3	DSI 2	21100	2535	14.79	15.40	1.151			-0.07	0.783	0.901
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 2	DSI 2	21100	2535	23.18	24.00	1.208			0.01	0.088	0.106
	LTE Band 7	20M	QPSK	50	0	Right Cheek	0mm	Ant 2	DSI 2	21100	2535	22.20	23.00	1.202			0.08	0.060	0.072
	LTE Band 7	20M	QPSK	1	0	Right Tilted	0mm	Ant 2	DSI 2	21100	2535	23.18	24.00	1.208			0.05	0.067	0.081
	LTE Band 7	20M	QPSK	50	0	Right Tilted	0mm	Ant 2	DSI 2	21100	2535	22.20	23.00	1.202			0.06	0.054	0.065
	LTE Band 7	20M	QPSK	1	0	Left Cheek	0mm	Ant 2	DSI 2	21100	2535	23.18	24.00	1.208			0.03	0.070	0.085
	LTE Band 7	20M	QPSK	50	0	Left Cheek	0mm	Ant 2	DSI 2	21100	2535	22.20	23.00	1.202			-0.04	0.063	0.076
	LTE Band 7	20M	QPSK	1	0	Left Tilted	0mm	Ant 2	DSI 2	21100	2535	23.18	24.00	1.208			-0.17	0.062	0.075
	LTE Band 7	20M	QPSK	50	0	Left Tilted	0mm	Ant 2	DSI 2	21100	2535	22.20	23.00	1.202			-0.12	0.050	0.060
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 4	DSI 2	21100	2535	21.95	23.00	1.274			-0.17	0.267	0.340
	LTE Band 7	20M	QPSK	50	0	Right Cheek	0mm	Ant 4	DSI 2	21100	2535	20.98	22.00	1.265			0.19	0.216	0.273
	LTE Band 7	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DSI 2	21100	2535	21.95	23.00	1.274			-0.16	0.299	0.381
	LTE Band 7	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DSI 2	21100	2535	20.98	22.00	1.265			0.19	0.241	0.305
	LTE Band 7	20M	QPSK	1	0	Left Cheek	0mm	Ant 4	DSI 2	21100	2535	21.95	23.00	1.274			0.02	0.392	0.499
	LTE Band 7	20M	QPSK	50	0	Left Cheek	0mm	Ant 4	DSI 2	21100	2535	20.98	22.00	1.265			0.02	0.314	0.397
	LTE Band 7	20M	QPSK	1	0	Left Tilted	0mm	Ant 4	DSI 2	21100	2535	21.95	23.00	1.274			-0.05	0.290	0.369
	LTE Band 7	20M	QPSK	50	0	Left Tilted	0mm	Ant 4	DSI 2	21100	2535	20.98	22.00	1.265			-0.08	0.243	0.307
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 0	DSI 2	21100	2535	22.85	24.00	1.303			0.03	0.142	0.185
	LTE Band 7	20M	QPSK	50	0	Right Cheek	0mm	Ant 0	DSI 2	21100	2535	21.83	23.00	1.309			0.13	0.114	0.149
	LTE Band 7	20M	QPSK	1	0	Right Tilted	0mm	Ant 0	DSI 2	21100	2535	22.85	24.00	1.303			-0.09	0.067	0.087
	LTE Band 7	20M	QPSK	50	0	Right Tilted	0mm	Ant 0	DSI 2	21100	2535	21.83	23.00	1.309			-0.14	0.055	0.072
	LTE Band 7	20M	QPSK	1	0	Left Cheek	0mm	Ant 0	DSI 2	21100	2535	22.85	24.00	1.303			-0.03	0.095	0.124
	LTE Band 7	20M	QPSK	50	0	Left Cheek	0mm	Ant 0	DSI 2	21100	2535	21.83	23.00	1.309			0.05	0.076	0.099
	LTE Band 7	20M	QPSK	1	0	Left Tilted	0mm	Ant 0	DSI 2	21100	2535	22.85	24.00	1.303			-0.10	0.122	0.159
	LTE Band 7	20M	QPSK	50	0	Left Tilted	0mm	Ant 0	DSI 2	21100	2535	21.83	23.00	1.309			-0.05	0.100	0.131
	LTE Band 12	10M	QPSK	1	0	Right Cheek	0mm	Ant 0	DSI 2	23095	707.5	23.04	24.00	1.247			0.01	0.133	0.166
	LTE Band 12	10M	QPSK	25	0	Right Cheek	0mm	Ant 0	DSI 2	23095	707.5	22.06	23.00	1.242			0.08	0.103	0.128
	LTE Band 12	10M	QPSK	1	0	Right Tilted	0mm	Ant 0	DSI 2	23095	707.5	23.04	24.00	1.247			0.13	0.074	0.092
	LTE Band 12	10M	QPSK	25	0	Right Tilted	0mm	Ant 0	DSI 2	23095	707.5	22.06	23.00	1.242			0.14	0.061	0.076
	LTE Band 12	10M	QPSK	1	0	Left Cheek	0mm	Ant 0	DSI 2	23095	707.5	23.04	24.00	1.247			0.12	0.102	0.127
	LTE Band 12	10M	QPSK	25	0	Left Cheek	0mm	Ant 0	DSI 2	23095	707.5	22.06	23.00	1.242			0.12	0.082	0.102
	LTE Band 12	10M	QPSK	1	0	Left Tilted	0mm	Ant 0	DSI 2	23095	707.5	23.04	24.00	1.247			0.14	0.068	0.085
	LTE Band 12	10M	QPSK	25	0	Left Tilted	0mm	Ant 0	DSI 2	23095	707.5	22.06	23.00	1.242			-0.17	0.054	0.067
07	LTE Band 12	10M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	23095	707.5	23.46	24.00	1.132			0.04	0.224	0.254
	LTE Band 12	10M	QPSK	25	0	Right Cheek	0mm	Ant 1	DSI 2	23095	707.5	22.52	23.00	1.117			-0.10	0.185	0.207
	LTE Band 12	10M	QPSK	1	0	Right Tilted	0mm	Ant 1	DSI 2	23095	707.5	23.46	24.00	1.132			0.16	0.001	0.001
	LTE Band 12	10M	QPSK	25	0	Right Tilted	0mm	Ant 1	DSI 2	23095	707.5	22.52	23.00	1.117			-0.09	0.001	0.001
	LTE Band 12	10M	QPSK	1	0	Left Cheek	0mm	Ant 1	DSI 2	23095	707.5	23.46	24.00	1.132			0.14	0.099	0.112
	LTE Band 12	10M	QPSK	25	0	Left Cheek	0mm	Ant 1	DSI 2	23095	707.5	22.52	23.00	1.117			0.06	0.080	0.089
	LTE Band 12	10M	QPSK	1	0	Left Tilted	0mm	Ant 1	DSI 2	23095	707.5	23.46	24.00	1.132			0.00	0.001	0.001
	LTE Band 12	10M	QPSK	25	0	Left Tilted	0mm	Ant 1	DSI 2	23095	707.5	22.52	23.00	1.117			0.16	0.001	0.001
	LTE Band 13	10M	QPSK	1	0	Right Cheek	0mm	Ant 0	DSI 2	23230	782	23.27	24.00	1.183			0.01	0.124	0.147
	LTE Band 13	10M	QPSK	25	0	Right Cheek	0mm	Ant 0	DSI 2	23230	782	22.27	23.00	1.183			0.17	0.104	0.123



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	LTE Band 13	10M	QPSK	1	0	Right Tilted	0mm	Ant 0	DSI 2	23230	782	23.27	24.00	1.183			-0.03	0.075	0.089
	LTE Band 13	10M	QPSK	25	0	Right Tilted	0mm	Ant 0	DSI 2	23230	782	22.27	23.00	1.183			-0.13	0.063	0.075
	LTE Band 13	10M	QPSK	1	0	Left Cheek	0mm	Ant 0	DSI 2	23230	782	23.27	24.00	1.183			-0.04	0.099	0.117
	LTE Band 13	10M	QPSK	25	0	Left Cheek	0mm	Ant 0	DSI 2	23230	782	22.27	23.00	1.183			-0.07	0.086	0.102
	LTE Band 13	10M	QPSK	1	0	Left Tilted	0mm	Ant 0	DSI 2	23230	782	23.27	24.00	1.183			0.07	0.053	0.063
	LTE Band 13	10M	QPSK	25	0	Left Tilted	0mm	Ant 0	DSI 2	23230	782	22.27	23.00	1.183			0.16	0.048	0.057
08	LTE Band 13	10M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	23230	782	23.44	24.00	1.138			0.02	0.210	0.239
	LTE Band 13	10M	QPSK	25	0	Right Cheek	0mm	Ant 1	DSI 2	23230	782	22.43	23.00	1.14			0.15	0.173	0.197
	LTE Band 13	10M	QPSK	1	0	Right Tilted	0mm	Ant 1	DSI 2	23230	782	23.44	24.00	1.138			-0.00	0.001	0.001
	LTE Band 13	10M	QPSK	25	0	Right Tilted	0mm	Ant 1	DSI 2	23230	782	22.43	23.00	1.14			-0.07	0.001	0.001
	LTE Band 13	10M	QPSK	1	0	Left Cheek	0mm	Ant 1	DSI 2	23230	782	23.44	24.00	1.138			-0.16	0.083	0.094
	LTE Band 13	10M	QPSK	25	0	Left Cheek	0mm	Ant 1	DSI 2	23230	782	22.43	23.00	1.14			0.00	0.070	0.080
	LTE Band 13	10M	QPSK	1	0	Left Tilted	0mm	Ant 1	DSI 2	23230	782	23.44	24.00	1.138			-0.12	0.001	0.001
	LTE Band 13	10M	QPSK	25	0	Left Tilted	0mm	Ant 1	DSI 2	23230	782	22.43	23.00	1.14			0.06	0.001	0.001
	LTE Band 14	10M	QPSK	1	0	Right Cheek	0mm	Ant 0	DSI 2	23330	793	23.29	24.00	1.178			0.01	0.125	0.147
	LTE Band 14	10M	QPSK	25	0	Right Cheek	0mm	Ant 0	DSI 2	23330	793	22.30	23.00	1.175			-0.06	0.100	0.118
	LTE Band 14	10M	QPSK	1	0	Right Tilted	0mm	Ant 0	DSI 2	23330	793	23.29	24.00	1.178			-0.07	0.079	0.093
	LTE Band 14	10M	QPSK	25	0	Right Tilted	0mm	Ant 0	DSI 2	23330	793	22.30	23.00	1.175			-0.09	0.065	0.076
	LTE Band 14	10M	QPSK	1	0	Left Cheek	0mm	Ant 0	DSI 2	23330	793	23.29	24.00	1.178			0.15	0.107	0.126
	LTE Band 14	10M	QPSK	25	0	Left Cheek	0mm	Ant 0	DSI 2	23330	793	22.30	23.00	1.175			0.02	0.084	0.099
	LTE Band 14	10M	QPSK	1	0	Left Tilted	0mm	Ant 0	DSI 2	23330	793	23.29	24.00	1.178			-0.05	0.061	0.072
	LTE Band 14	10M	QPSK	25	0	Left Tilted	0mm	Ant 0	DSI 2	23330	793	22.30	23.00	1.175			-0.18	0.049	0.058
09	LTE Band 14	10M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	23330	793	23.46	24.00	1.132			-0.18	0.236	0.267
	LTE Band 14	10M	QPSK	25	0	Right Cheek	0mm	Ant 1	DSI 2	23330	793	22.42	23.00	1.143			0.11	0.190	0.217
	LTE Band 14	10M	QPSK	1	0	Right Tilted	0mm	Ant 1	DSI 2	23330	793	23.46	24.00	1.132			0.07	0.001	0.001
	LTE Band 14	10M	QPSK	25	0	Right Tilted	0mm	Ant 1	DSI 2	23330	793	22.42	23.00	1.143			-0.12	0.001	0.001
	LTE Band 14	10M	QPSK	1	0	Left Cheek	0mm	Ant 1	DSI 2	23330	793	23.46	24.00	1.132			-0.16	0.093	0.105
	LTE Band 14	10M	QPSK	25	0	Left Cheek	0mm	Ant 1	DSI 2	23330	793	22.42	23.00	1.143			-0.11	0.074	0.085
	LTE Band 14	10M	QPSK	1	0	Left Tilted	0mm	Ant 1	DSI 2	23330	793	23.46	24.00	1.132			0.09	0.001	0.001
	LTE Band 14	10M	QPSK	25	0	Left Tilted	0mm	Ant 1	DSI 2	23330	793	22.42	23.00	1.143			-0.13	0.001	0.001
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 3	DSI 2	26340	1880	20.75	21.50	1.189			0.07	0.715	0.850
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 3	DSI 2	26140	1860	20.67	21.50	1.211			-0.03	0.607	0.735
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 3	DSI 2	26590	1905	20.69	21.50	1.205			-0.11	0.761	0.917
	LTE Band 25	20M	QPSK	50	0	Right Cheek	0mm	Ant 3	DSI 2	26340	1880	20.62	21.50	1.225			-0.10	0.592	0.725
	LTE Band 25	20M	QPSK	100	0	Right Cheek	0mm	Ant 3	DSI 2	26340	1880	20.53	21.50	1.25			-0.04	0.597	0.746
	LTE Band 25	20M	QPSK	1	0	Right Tilted	0mm	Ant 3	DSI 2	26340	1880	20.75	21.50	1.189			0.18	0.905	1.076
	LTE Band 25	20M	QPSK	1	0	Right Tilted	0mm	Ant 3	DSI 2	26140	1860	20.67	21.50	1.211			0.00	0.756	0.916
	LTE Band 25	20M	QPSK	1	0	Right Tilted	0mm	Ant 3	DSI 2	26590	1905	20.69	21.50	1.205			-0.17	0.875	1.054
	LTE Band 25	20M	QPSK	50	0	Right Tilted	0mm	Ant 3	DSI 2	26340	1880	20.62	21.50	1.225			-0.12	0.741	0.908
	LTE Band 25	20M	QPSK	50	0	Right Tilted	0mm	Ant 3	DSI 2	26140	1860	20.58	21.50	1.236			0.05	0.622	0.769
	LTE Band 25	20M	QPSK	50	0	Right Tilted	0mm	Ant 3	DSI 2	26590	1905	20.54	21.50	1.247			-0.15	0.705	0.879
	LTE Band 25	20M	QPSK	100	0	Right Tilted	0mm	Ant 3	DSI 2	26340	1880	20.53	21.50	1.25			-0.16	0.725	0.906
	LTE Band 25	20M	QPSK	1	0	Left Cheek	0mm	Ant 3	DSI 2	26340	1880	20.75	21.50	1.189			0.06	0.823	0.979
	LTE Band 25	20M	QPSK	1	0	Left Cheek	0mm	Ant 3	DSI 2	26140	1860	20.67	21.50	1.211			0.17	0.597	0.723
	LTE Band 25	20M	QPSK	1	0	Left Cheek	0mm	Ant 3	DSI 2	26590	1905	20.69	21.50	1.205			-0.15	0.782	0.942
	LTE Band 25	20M	QPSK	50	0	Left Cheek	0mm	Ant 3	DSI 2	26340	1880	20.62	21.50	1.225			0.04	0.638	0.782
	LTE Band 25	20M	QPSK	100	0	Left Cheek	0mm	Ant 3	DSI 2	26340	1880	20.53	21.50	1.25			0.08	0.658	0.823
10	LTE Band 25	20M	QPSK	1	0	Left Tilted	0mm	Ant 3	DSI 2	26340	1880	20.75	21.50	1.189			-0.05	1.070	1.272
	LTE Band 25	20M	QPSK	1	0	Left Tilted	0mm	Ant 3	DSI 2	26140	1860	20.67	21.50	1.211			0.13	0.782	0.947
	LTE Band 25	20M	QPSK	1	0	Left Tilted	0mm	Ant 3	DSI 2	26590	1905	20.69	21.50	1.205			0.14	1.000	1.205
	LTE Band 25	20M	QPSK	50	0	Left Tilted	0mm	Ant 3	DSI 2	26340	1880	20.62	21.50	1.225			0.14	0.833	1.020
	LTE Band 25	20M	QPSK	50	0	Left Tilted	0mm	Ant 3	DSI 2	26140	1860	20.58	21.50	1.236			0.18	0.633	0.782
	LTE Band 25	20M	QPSK	50	0	Left Tilted	0mm	Ant 3	DSI 2	26590	1905	20.54	21.50	1.247			0.14	0.803	1.001
	LTE Band 25	20M	QPSK	100	0	Left Tilted	0mm	Ant 3	DSI 2	26340	1880	20.53	21.50	1.25			-0.14	0.833	1.041
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 2	DSI 2	26340	1880	22.84	24.00	1.306			0.04	0.072	0.094
	LTE Band 25	20M	QPSK	50	0	Right Cheek	0mm	Ant 2	DSI 2	26340	1880	21.86	23.00	1.3			-0.09	0.058	0.075
	LTE Band 25	20M	QPSK	1	0	Right Tilted	0mm	Ant 2	DSI 2	26340	1880	22.84	24.00	1.306			-0.09	0.001	0.001
	LTE Band 25	20M	QPSK	50	0	Right Tilted	0mm	Ant 2	DSI 2	26340	1880	21.86	23.00	1.3			-0.01	0.001	0.001
	LTE Band 25	20M	QPSK	1	0	Left Cheek	0mm	Ant 2	DSI 2	26340	1880	22.84	24.00	1.306			0.14	0.063	0.082
	LTE Band 25	20M	QPSK	50	0	Left Cheek	0mm	Ant 2	DSI 2	26340	1880	21.86	23.00	1.3			0.10	0.052	0.068
	LTE Band 25	20M	QPSK	1	0	Left Tilted	0mm	Ant 2	DSI 2	26340	1880	22.84	24.00	1.306			0.14	0.055	0.072
	LTE Band 25	20M	QPSK	50	0	Left Tilted	0mm	Ant 2	DSI 2	26340	1880	21.86	23.00	1.3			-0.14	0.043	0.056
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 4	DSI 2	26340	1880	21.67	23.00	1.358			-0.04	0.231	0.314
	LTE Band 25	20M	QPSK	50	0	Right Cheek	0mm	Ant 4	DSI 2	26340	1880	20.68	22.00	1.355			0.00	0.193	0.262
	LTE Band 25	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DSI 2	26340	1880	21.67	23.00	1.358			-0.04	0.214	0.291
	LTE Band 25	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DSI 2	26340	1880	20.68	22.00	1.355			0.07	0.167	0.226
	LTE Band 25	20M	QPSK	1	0	Left Cheek	0mm	Ant 4	DSI 2	26340	1880	21.67	23.00	1.358			0.08	0.736	0.999
	LTE Band 25	20M	QPSK	1	0	Left Cheek	0mm	Ant 4	DSI 2	26140	1860	21.65	23.00	1.365			0.01	0.696	0.950
	LTE Band 25	20M	QPSK	1	0	Left Cheek	0mm	Ant 4	DSI 2	26590	1905	21.62	23.00	1.374			-0.18	0.541	0.743
	LTE Band 25	20M	QPSK	50	0	Left Cheek	0mm	Ant 4	DSI 2	26340	1880	20.68	22.00	1.355			0.18	0.585	0.793
	LTE Band 25	20M	QPSK	100	0	Left Cheek	0mm	Ant 4	DSI 2	26340	1880	20.65	22.00	1.365			0.02	0.571	0.779
	LTE Band 25	20M	QPSK	1	0	Left Tilted	0mm	Ant 4	DSI 2	26340	1880	21.67	23.00	1.358			0.01	0.476	0.646
	LTE Band 25	20M	QPSK	50	0	Left Tilted	0mm	Ant 4	DSI 2	26340	1880	20.68	22.00	1.355			0.10	0.392	0.531



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	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 0	DSI 2	26340	1880	22.01	23.00	1.256			0.00	0.005	0.006
	LTE Band 25	20M	QPSK	50	0	Right Cheek	0mm	Ant 0	DSI 2	26340	1880	21.05	22.00	1.245			0.00	0.001	0.001
	LTE Band 25	20M	QPSK	1	0	Right Tilted	0mm	Ant 0	DSI 2	26340	1880	22.01	23.00	1.256			0.00	0.001	0.001
	LTE Band 25	20M	QPSK	50	0	Right Tilted	0mm	Ant 0	DSI 2	26340	1880	21.05	22.00	1.245			0.00	0.001	0.001
	LTE Band 25	20M	QPSK	1	0	Left Cheek	0mm	Ant 0	DSI 2	26340	1880	22.01	23.00	1.256			0.00	0.001	0.001
	LTE Band 25	20M	QPSK	50	0	Left Cheek	0mm	Ant 0	DSI 2	26340	1880	21.05	22.00	1.245			0.00	0.001	0.001
	LTE Band 25	20M	QPSK	1	0	Left Tilted	0mm	Ant 0	DSI 2	26340	1880	22.01	23.00	1.256			0.00	0.001	0.001
	LTE Band 25	20M	QPSK	50	0	Left Tilted	0mm	Ant 0	DSI 2	26340	1880	21.05	22.00	1.245			0.00	0.001	0.001
	LTE Band 26	15M	QPSK	1	0	Right Cheek	0mm	Ant 0	DSI 2	26865	831.5	22.93	24.00	1.279			0.01	0.152	0.194
	LTE Band 26	15M	QPSK	36	0	Right Cheek	0mm	Ant 0	DSI 2	26865	831.5	21.93	23.00	1.279			-0.10	0.123	0.157
	LTE Band 26	15M	QPSK	1	0	Right Tilted	0mm	Ant 0	DSI 2	26865	831.5	22.93	24.00	1.279			0.11	0.086	0.110
	LTE Band 26	15M	QPSK	36	0	Right Tilted	0mm	Ant 0	DSI 2	26865	831.5	21.93	23.00	1.279			0.12	0.068	0.087
	LTE Band 26	15M	QPSK	1	0	Left Cheek	0mm	Ant 0	DSI 2	26865	831.5	22.93	24.00	1.279			0.03	0.124	0.159
	LTE Band 26	15M	QPSK	36	0	Left Cheek	0mm	Ant 0	DSI 2	26865	831.5	21.93	23.00	1.279			0.19	0.103	0.132
	LTE Band 26	15M	QPSK	1	0	Left Tilted	0mm	Ant 0	DSI 2	26865	831.5	22.93	24.00	1.279			-0.11	0.069	0.088
	LTE Band 26	15M	QPSK	36	0	Left Tilted	0mm	Ant 0	DSI 2	26865	831.5	21.93	23.00	1.279			0.07	0.061	0.078
11	LTE Band 26	15M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	26865	831.5	23.33	24.00	1.167			0.09	0.236	0.275
	LTE Band 26	15M	QPSK	36	0	Right Cheek	0mm	Ant 1	DSI 2	26865	831.5	22.34	23.00	1.164			0.13	0.191	0.222
	LTE Band 26	15M	QPSK	1	0	Right Tilted	0mm	Ant 1	DSI 2	26865	831.5	23.33	24.00	1.167			0.08	0.001	0.001
	LTE Band 26	15M	QPSK	36	0	Right Tilted	0mm	Ant 1	DSI 2	26865	831.5	22.34	23.00	1.164			0.05	0.001	0.001
	LTE Band 26	15M	QPSK	1	0	Left Cheek	0mm	Ant 1	DSI 2	26865	831.5	23.33	24.00	1.167			0.07	0.094	0.110
	LTE Band 26	15M	QPSK	36	0	Left Cheek	0mm	Ant 1	DSI 2	26865	831.5	22.34	23.00	1.164			0.17	0.074	0.086
	LTE Band 26	15M	QPSK	1	0	Left Tilted	0mm	Ant 1	DSI 2	26865	831.5	23.33	24.00	1.167			-0.06	0.001	0.001
	LTE Band 26	15M	QPSK	36	0	Left Tilted	0mm	Ant 1	DSI 2	26865	831.5	22.34	23.00	1.164			-0.03	0.001	0.001
	LTE Band 30	10M	QPSK	1	0	Right Cheek	0mm	Ant 3	DSI 2	27710	2310	19.47	20.50	1.268			0.04	0.828	1.050
	LTE Band 30	10M	QPSK	25	0	Right Cheek	0mm	Ant 3	DSI 2	27710	2310	19.35	20.50	1.303			-0.07	0.641	0.835
	LTE Band 30	10M	QPSK	50	0	Right Cheek	0mm	Ant 3	DSI 2	27710	2310	19.33	20.50	1.309			-0.11	0.649	0.850
	LTE Band 30	10M	QPSK	1	0	Right Tilted	0mm	Ant 3	DSI 2	27710	2310	19.47	20.50	1.268			0.03	0.991	1.257
	LTE Band 30	10M	QPSK	25	0	Right Tilted	0mm	Ant 3	DSI 2	27710	2310	19.35	20.50	1.303			0.08	0.783	1.020
	LTE Band 30	10M	QPSK	50	0	Right Tilted	0mm	Ant 3	DSI 2	27710	2310	19.33	20.50	1.309			-0.07	0.792	1.037
	LTE Band 30	10M	QPSK	1	0	Left Cheek	0mm	Ant 3	DSI 2	27710	2310	19.47	20.50	1.268			0.09	0.824	1.045
	LTE Band 30	10M	QPSK	25	0	Left Cheek	0mm	Ant 3	DSI 2	27710	2310	19.35	20.50	1.303			0.17	0.636	0.829
	LTE Band 30	10M	QPSK	50	0	Left Cheek	0mm	Ant 3	DSI 2	27710	2310	19.33	20.50	1.309			0.11	0.641	0.839
12	LTE Band 30	10M	QPSK	1	0	Left Tilted	0mm	Ant 3	DSI 2	27710	2310	19.47	20.50	1.268			0.07	1.020	1.293
	LTE Band 30	10M	QPSK	25	0	Left Tilted	0mm	Ant 3	DSI 2	27710	2310	19.35	20.50	1.303			0.02	0.808	1.053
	LTE Band 30	10M	QPSK	50	0	Left Tilted	0mm	Ant 3	DSI 2	27710	2310	19.33	20.50	1.309			-0.09	0.783	1.025
	LTE Band 30	10M	QPSK	1	0	Right Cheek	0mm	Ant 2	DSI 2	27710	2310	23.17	24.00	1.211			0.01	0.061	0.074
	LTE Band 30	10M	QPSK	25	0	Right Cheek	0mm	Ant 2	DSI 2	27710	2310	22.19	23.00	1.205			-0.08	0.049	0.059
	LTE Band 30	10M	QPSK	1	0	Right Tilted	0mm	Ant 2	DSI 2	27710	2310	23.17	24.00	1.211			0.19	0.001	0.001
	LTE Band 30	10M	QPSK	25	0	Right Tilted	0mm	Ant 2	DSI 2	27710	2310	22.19	23.00	1.205			0.06	0.001	0.001
	LTE Band 30	10M	QPSK	1	0	Left Cheek	0mm	Ant 2	DSI 2	27710	2310	23.17	24.00	1.211			-0.05	0.046	0.056
	LTE Band 30	10M	QPSK	25	0	Left Cheek	0mm	Ant 2	DSI 2	27710	2310	22.19	23.00	1.205			-0.12	0.001	0.001
	LTE Band 30	10M	QPSK	1	0	Left Tilted	0mm	Ant 2	DSI 2	27710	2310	23.17	24.00	1.211			0.01	0.001	0.001
	LTE Band 30	10M	QPSK	25	0	Left Tilted	0mm	Ant 2	DSI 2	27710	2310	22.19	23.00	1.205			0.18	0.001	0.001
	LTE Band 30	10M	QPSK	1	0	Right Cheek	0mm	Ant 4	DSI 2	27710	2310	21.80	23.00	1.318			0.15	0.143	0.188
	LTE Band 30	10M	QPSK	25	0	Right Cheek	0mm	Ant 4	DSI 2	27710	2310	20.88	22.00	1.294			0.13	0.109	0.141
	LTE Band 30	10M	QPSK	1	0	Right Tilted	0mm	Ant 4	DSI 2	27710	2310	21.80	23.00	1.318			-0.06	0.137	0.181
	LTE Band 30	10M	QPSK	25	0	Right Tilted	0mm	Ant 4	DSI 2	27710	2310	20.88	22.00	1.294			-0.03	0.108	0.140
	LTE Band 30	10M	QPSK	1	0	Left Cheek	0mm	Ant 4	DSI 2	27710	2310	21.80	23.00	1.318			0.05	0.190	0.250
	LTE Band 30	10M	QPSK	25	0	Left Cheek	0mm	Ant 4	DSI 2	27710	2310	20.88	22.00	1.294			0.18	0.142	0.184
	LTE Band 30	10M	QPSK	1	0	Left Tilted	0mm	Ant 4	DSI 2	27710	2310	21.80	23.00	1.318			-0.15	0.158	0.208
	LTE Band 30	10M	QPSK	25	0	Left Tilted	0mm	Ant 4	DSI 2	27710	2310	20.88	22.00	1.294			-0.18	0.126	0.163
	LTE Band 30	10M	QPSK	1	0	Right Cheek	0mm	Ant 0	DSI 2	27710	2310	22.65	24.00	1.365			0.05	0.130	0.177
	LTE Band 30	10M	QPSK	25	0	Right Cheek	0mm	Ant 0	DSI 2	27710	2310	21.67	23.00	1.358			-0.05	0.102	0.139
	LTE Band 30	10M	QPSK	1	0	Right Tilted	0mm	Ant 0	DSI 2	27710	2310	22.65	24.00	1.365			-0.11	0.064	0.087
	LTE Band 30	10M	QPSK	25	0	Right Tilted	0mm	Ant 0	DSI 2	27710	2310	21.67	23.00	1.358			-0.00	0.051	0.069
	LTE Band 30	10M	QPSK	1	0	Left Cheek	0mm	Ant 0	DSI 2	27710	2310	22.65	24.00	1.365			0.14	0.119	0.162
	LTE Band 30	10M	QPSK	25	0	Left Cheek	0mm	Ant 0	DSI 2	27710	2310	21.67	23.00	1.358			-0.05	0.096	0.130
	LTE Band 30	10M	QPSK	1	0	Left Tilted	0mm	Ant 0	DSI 2	27710	2310	22.65	24.00	1.365			-0.16	0.081	0.111
	LTE Band 30	10M	QPSK	25	0	Left Tilted	0mm	Ant 0	DSI 2	27710	2310	21.67	23.00	1.358			-0.02	0.067	0.091
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 3	DSI 2	132322	1745	21.45	22.40	1.245			-0.13	0.323	0.402
	LTE Band 66	20M	QPSK	50	0	Right Cheek	0mm	Ant 3	DSI 2	132322	1745	21.35	22.40	1.274			0.11	0.255	0.325
	LTE Band 66	20M	QPSK	1	0	Right Tilted	0mm	Ant 3	DSI 2	132322	1745	21.45	22.40	1.245			-0.06	0.900	1.121
	LTE Band 66	20M	QPSK	1	0	Right Tilted	0mm	Ant 3	DSI 2	132072	1720	21.43	22.40	1.25			-0.06	0.864	1.080
13	LTE Band 66	20M	QPSK	1	0	Right Tilted	0mm	Ant 3	DSI 2	132572	1770	21.42	22.40	1.253			0.04	1.020	1.278
	LTE Band 66	20M	QPSK	50	0	Right Tilted	0mm	Ant 3	DSI 2	132322	1745	21.35	22.40	1.274			0.19	0.308	0.392
	LTE Band 66	20M	QPSK	100	0	Right Tilted	0mm	Ant 3	DSI 2	132322	1745	21.29	22.40	1.291			0.18	0.807	1.042
	LTE Band 66	20M	QPSK	1	0	Left Cheek	0mm	Ant 3	DSI 2	132322	1745	21.45	22.40	1.245			0.17	0.261	0.325
	LTE Band 66	20M	QPSK	50	0	Left Cheek	0mm	Ant 3	DSI 2	132322	1745	21.35	22.40	1.274			-0.18	0.205	0.261
	LTE Band 66	20M	QPSK	1	0	Left Tilted	0mm	Ant 3	DSI 2	132322	1745	21.45	22.40	1.245			0.13	0.343	0.427
	LTE Band 66	20M	QPSK	50	0	Left Tilted	0mm	Ant 3	DSI 2	132322	1745	21.35	22.40	1.274			-0.13	0.268	0.341
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 2	DSI 2	132322	1745	22.98	24.00	1.265			0.05	0.067	0.085
	LTE Band 66	20M	QPSK	50	0	Right Cheek	0mm	Ant 2	DSI 2	132322	1745	21.93	23.00	1.279			0.10	0.054	0.069



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	LTE Band 66	20M	QPSK	1	0	Right Tilted	0mm	Ant 2	DSI 2	132322	1745	22.98	24.00	1.265			-0.11	0.048	0.061
	LTE Band 66	20M	QPSK	50	0	Right Tilted	0mm	Ant 2	DSI 2	132322	1745	21.93	23.00	1.279			0.01	0.001	0.001
	LTE Band 66	20M	QPSK	1	0	Left Cheek	0mm	Ant 2	DSI 2	132322	1745	22.98	24.00	1.265			0.01	0.061	0.077
	LTE Band 66	20M	QPSK	50	0	Left Cheek	0mm	Ant 2	DSI 2	132322	1745	21.93	23.00	1.279			0.09	0.054	0.069
	LTE Band 66	20M	QPSK	1	0	Left Tilted	0mm	Ant 2	DSI 2	132322	1745	22.98	24.00	1.265			-0.09	0.041	0.052
	LTE Band 66	20M	QPSK	50	0	Left Tilted	0mm	Ant 2	DSI 2	132322	1745	21.93	23.00	1.279			-0.13	0.001	0.001
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 4	DSI 2	132322	1745	21.70	23.00	1.349			0.03	0.135	0.182
	LTE Band 66	20M	QPSK	50	0	Right Cheek	0mm	Ant 4	DSI 2	132322	1745	20.69	22.00	1.352			0.03	0.112	0.151
	LTE Band 66	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DSI 2	132322	1745	21.70	23.00	1.349			0.08	0.092	0.124
	LTE Band 66	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DSI 2	132322	1745	20.69	22.00	1.352			0.14	0.074	0.100
	LTE Band 66	20M	QPSK	1	0	Left Cheek	0mm	Ant 4	DSI 2	132322	1745	21.70	23.00	1.349			0.08	0.446	0.602
	LTE Band 66	20M	QPSK	50	0	Left Cheek	0mm	Ant 4	DSI 2	132322	1745	20.69	22.00	1.352			-0.15	0.368	0.498
	LTE Band 66	20M	QPSK	1	0	Left Tilted	0mm	Ant 4	DSI 2	132322	1745	21.70	23.00	1.349			0.00	0.201	0.271
	LTE Band 66	20M	QPSK	50	0	Left Tilted	0mm	Ant 4	DSI 2	132322	1745	20.69	22.00	1.352			0.06	0.169	0.228
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 0	DSI 2	132322	1745	22.16	23.00	1.213			0.00	0.009	0.011
	LTE Band 66	20M	QPSK	50	0	Right Cheek	0mm	Ant 0	DSI 2	132322	1745	21.19	22.00	1.205			0.00	0.001	0.001
	LTE Band 66	20M	QPSK	1	0	Right Tilted	0mm	Ant 0	DSI 2	132322	1745	22.16	23.00	1.213			0.00	0.001	0.001
	LTE Band 66	20M	QPSK	50	0	Right Tilted	0mm	Ant 0	DSI 2	132322	1745	21.19	22.00	1.205			0.00	0.001	0.001
	LTE Band 66	20M	QPSK	1	0	Left Cheek	0mm	Ant 0	DSI 2	132322	1745	22.16	23.00	1.213			0.00	0.001	0.001
	LTE Band 66	20M	QPSK	50	0	Left Cheek	0mm	Ant 0	DSI 2	132322	1745	21.19	22.00	1.205			0.00	0.001	0.001
	LTE Band 66	20M	QPSK	1	0	Left Tilted	0mm	Ant 0	DSI 2	132322	1745	22.16	23.00	1.213			0.00	0.001	0.001
	LTE Band 66	20M	QPSK	50	0	Left Tilted	0mm	Ant 0	DSI 2	132322	1745	21.19	22.00	1.205			0.00	0.001	0.001
	LTE Band 71	20M	QPSK	1	0	Right Cheek	0mm	Ant 0	DSI 2	133297	680.5	23.30	24.00	1.175			0.05	0.118	0.139
	LTE Band 71	20M	QPSK	50	0	Right Cheek	0mm	Ant 0	DSI 2	133297	680.5	22.38	23.00	1.153			0.05	0.092	0.106
	LTE Band 71	20M	QPSK	1	0	Right Tilted	0mm	Ant 0	DSI 2	133297	680.5	23.30	24.00	1.175			0.11	0.062	0.073
	LTE Band 71	20M	QPSK	50	0	Right Tilted	0mm	Ant 0	DSI 2	133297	680.5	22.38	23.00	1.153			0.18	0.048	0.055
	LTE Band 71	20M	QPSK	1	0	Left Cheek	0mm	Ant 0	DSI 2	133297	680.5	23.30	24.00	1.175			-0.03	0.094	0.110
	LTE Band 71	20M	QPSK	50	0	Left Cheek	0mm	Ant 0	DSI 2	133297	680.5	22.38	23.00	1.153			0.17	0.080	0.092
	LTE Band 71	20M	QPSK	1	0	Left Tilted	0mm	Ant 0	DSI 2	133297	680.5	23.30	24.00	1.175			0.14	0.058	0.068
	LTE Band 71	20M	QPSK	50	0	Left Tilted	0mm	Ant 0	DSI 2	133297	680.5	22.38	23.00	1.153			0.08	0.044	0.051
14	LTE Band 71	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI 2	133297	680.5	23.39	24.00	1.151			0.01	0.173	0.199
	LTE Band 71	20M	QPSK	50	0	Right Cheek	0mm	Ant 1	DSI 2	133297	680.5	22.36	23.00	1.159			0.01	0.152	0.176
	LTE Band 71	20M	QPSK	1	0	Right Tilted	0mm	Ant 1	DSI 2	133297	680.5	23.39	24.00	1.151			-0.18	0.001	0.001
	LTE Band 71	20M	QPSK	50	0	Right Tilted	0mm	Ant 1	DSI 2	133297	680.5	22.36	23.00	1.159			0.07	0.001	0.001
	LTE Band 71	20M	QPSK	1	0	Left Cheek	0mm	Ant 1	DSI 2	133297	680.5	23.39	24.00	1.151			0.00	0.082	0.094
	LTE Band 71	20M	QPSK	50	0	Left Cheek	0mm	Ant 1	DSI 2	133297	680.5	22.36	23.00	1.159			-0.08	0.074	0.086
	LTE Band 71	20M	QPSK	1	0	Left Tilted	0mm	Ant 1	DSI 2	133297	680.5	23.39	24.00	1.151			-0.15	0.001	0.001
	LTE Band 71	20M	QPSK	50	0	Left Tilted	0mm	Ant 1	DSI 2	133297	680.5	22.36	23.00	1.159			-0.13	0.001	0.001
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 3	DSI 2	40620	2593	17.62	18.50	1.225	62.9	1.006	0.09	0.803	0.990
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 3	DSI 2	39750	2506	17.55	18.50	1.245	62.9	1.006	0.06	0.576	0.721
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 3	DSI 2	40185	2549.5	17.59	18.50	1.233	62.9	1.006	-0.07	0.745	0.924
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 3	DSI 2	41055	2636.5	17.59	18.50	1.233	62.9	1.006	0.01	0.757	0.939
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 3	DSI 2	41490	2680	17.51	18.50	1.256	62.9	1.006	-0.02	0.742	0.938
	LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 3	DSI 2	40620	2593	17.53	18.50	1.25	62.9	1.006	-0.16	0.632	0.795
	LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 3	DSI 2	39750	2506	17.41	18.50	1.285	62.9	1.006	-0.04	0.483	0.624
	LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 3	DSI 2	40185	2549.5	17.44	18.50	1.276	62.9	1.006	0.01	0.605	0.777
	LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 3	DSI 2	41055	2636.5	17.51	18.50	1.256	62.9	1.006	-0.10	0.588	0.743
	LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 3	DSI 2	41490	2680	17.47	18.50	1.268	62.9	1.006	0.18	0.564	0.719
	LTE Band 41	20M	QPSK	100	0	Right Cheek	0mm	Ant 3	DSI 2	40620	2593	17.50	18.50	1.259	62.9	1.006	0.10	0.640	0.811
15	LTE Band 41	20M	QPSK	1	0	Right Tilted	0mm	Ant 3	DSI 2	40620	2593	17.62	18.50	1.225	62.9	1.006	0.08	1.040	1.282
	LTE Band 41	20M	QPSK	1	0	Right Tilted	0mm	Ant 3	DSI 2	39750	2506	17.55	18.50	1.245	62.9	1.006	-0.04	0.759	0.951
	LTE Band 41	20M	QPSK	1	0	Right Tilted	0mm	Ant 3	DSI 2	40185	2549.5	17.59	18.50	1.233	62.9	1.006	0.08	0.986	1.223
	LTE Band 41	20M	QPSK	1	0	Right Tilted	0mm	Ant 3	DSI 2	41055	2636.5	17.59	18.50	1.233	62.9	1.006	0.01	0.994	1.233
	LTE Band 41	20M	QPSK	1	0	Right Tilted	0mm	Ant 3	DSI 2	41490	2680	17.51	18.50	1.256	62.9	1.006	0.18	0.996	1.258
	LTE Band 41	20M	QPSK	50	0	Right Tilted	0mm	Ant 3	DSI 2	40620	2593	17.53	18.50	1.25	62.9	1.006	0.12	0.857	1.078
	LTE Band 41	20M	QPSK	50	0	Right Tilted	0mm	Ant 3	DSI 2	39750	2506	17.41	18.50	1.285	62.9	1.006	0.00	0.598	0.773
	LTE Band 41	20M	QPSK	50	0	Right Tilted	0mm	Ant 3	DSI 2	40185	2549.5	17.44	18.50	1.276	62.9	1.006	0.18	0.796	1.022
	LTE Band 41	20M	QPSK	50	0	Right Tilted	0mm	Ant 3	DSI 2	41055	2636.5	17.51	18.50	1.256	62.9	1.006	-0.05	0.759	0.959
	LTE Band 41	20M	QPSK	50	0	Right Tilted	0mm	Ant 3	DSI 2	41490	2680	17.47	18.50	1.268	62.9	1.006	0.04	0.754	0.962
	LTE Band 41	20M	QPSK	100	0	Right Tilted	0mm	Ant 3	DSI 2	40620	2593	17.50	18.50	1.259	62.9	1.006	0.06	0.852	1.079
	LTE Band 41	20M	QPSK	1	0	Left Cheek	0mm	Ant 3	DSI 2	40620	2593	17.62	18.50	1.225	62.9	1.006	-0.08	0.808	0.996
	LTE Band 41	20M	QPSK	1	0	Left Cheek	0mm	Ant 3	DSI 2	39750	2506	17.55	18.50	1.245	62.9	1.006	-0.00	0.581	0.728
	LTE Band 41	20M	QPSK	1	0	Left Cheek	0mm	Ant 3	DSI 2	40185	2549.5	17.59	18.50	1.233	62.9	1.006	-0.18	0.754	0.935
	LTE Band 41	20M	QPSK	1	0	Left Cheek	0mm	Ant 3	DSI 2	41055	2636.5	17.59	18.50	1.233	62.9	1.006	0.02	0.791	0.981
	LTE Band 41	20M	QPSK	1	0	Left Cheek	0mm	Ant 3	DSI 2	41490	2680	17.51	18.50	1.256	62.9	1.006	-0.05	0.749	0.946
	LTE Band 41	20M	QPSK	50	0	Left Cheek	0mm	Ant 3	DSI 2	40620	2593	17.53	18.50	1.25	62.9	1.006	-0.17	0.649	0.816
	LTE Band 41	20M	QPSK	50	0	Left Cheek	0mm	Ant 3	DSI 2	39750	2506	17.41	18.50	1.285	62.9	1.006	0.11	0.466	0.602
	LTE Band 41	20M	QPSK	50	0	Left Cheek	0mm	Ant 3	DSI 2	40185	2549.5	17.44	18.50	1.276	62.9	1.006	0.13	0.620	0.796
	LTE Band 41	20M	QPSK	50	0	Left Cheek	0mm	Ant 3	DSI 2	41055	2636.5	17.51	18.50	1.256	62.9	1.006	-0.09	0.618	0.781
	LTE Band 41	20M	QPSK	50	0	Left Cheek	0mm	Ant 3	DSI 2	41490	2680	17.47	18.50	1.268	62.9	1.006	0.12	0.601	0.767
	LTE Band 41	20M	QPSK	100	0	Left Cheek	0mm	Ant 3	DSI 2	40620	2593	17.50	18.50	1.259	62.9	1.006	0.11	0.642	0.813
	LTE Band 41	20M	QPSK	1	0	Left Tilted	0mm	Ant 3	DSI 2	40620									



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	LTE Band 41	20M	QPSK	1	0	Left Tilted	0mm	Ant 3	DSI 2	40185	2549.5	17.59	18.50	1.233	62.9	1.006	0.14	0.952	1.181
	LTE Band 41	20M	QPSK	1	0	Left Tilted	0mm	Ant 3	DSI 2	41055	2636.5	17.59	18.50	1.233	62.9	1.006	-0.03	0.991	1.229
	LTE Band 41	20M	QPSK	1	0	Left Tilted	0mm	Ant 3	DSI 2	41490	2680	17.51	18.50	1.256	62.9	1.006	-0.08	0.937	1.184
	LTE Band 41	20M	QPSK	50	0	Left Tilted	0mm	Ant 3	DSI 2	40620	2593	17.53	18.50	1.25	62.9	1.006	-0.18	0.823	1.035
	LTE Band 41	20M	QPSK	50	0	Left Tilted	0mm	Ant 3	DSI 2	39750	2506	17.41	18.50	1.285	62.9	1.006	0.14	0.564	0.729
	LTE Band 41	20M	QPSK	50	0	Left Tilted	0mm	Ant 3	DSI 2	40185	2549.5	17.44	18.50	1.276	62.9	1.006	0.07	0.769	0.987
	LTE Band 41	20M	QPSK	50	0	Left Tilted	0mm	Ant 3	DSI 2	41055	2636.5	17.51	18.50	1.256	62.9	1.006	0.12	0.767	0.969
	LTE Band 41	20M	QPSK	50	0	Left Tilted	0mm	Ant 3	DSI 2	41490	2680	17.47	18.50	1.268	62.9	1.006	-0.01	0.742	0.947
	LTE Band 41	20M	QPSK	100	0	Left Tilted	0mm	Ant 3	DSI 2	40620	2593	17.50	18.50	1.259	62.9	1.006	-0.03	0.803	1.017
	LTE Band 41 HPUE	20M	QPSK	1	0	Right Tilted	0mm	Ant 3	DSI 2	40620	2593	19.46	20.10	1.159	42.9	1.009	0.05	1.030	1.205
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 2	DSI 2	40620	2593	23.16	24.00	1.213	62.9	1.006	-0.09	0.001	0.001
	LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 2	DSI 2	40620	2593	22.19	23.00	1.205	62.9	1.006	0.17	0.038	0.046
	LTE Band 41	20M	QPSK	1	0	Right Tilted	0mm	Ant 2	DSI 2	40620	2593	23.16	24.00	1.213	62.9	1.006	0.03	0.001	0.001
	LTE Band 41	20M	QPSK	50	0	Right Tilted	0mm	Ant 2	DSI 2	40620	2593	22.19	23.00	1.205	62.9	1.006	-0.15	0.001	0.001
	LTE Band 41	20M	QPSK	1	0	Left Cheek	0mm	Ant 2	DSI 2	40620	2593	23.16	24.00	1.213	62.9	1.006	0.05	0.061	0.074
	LTE Band 41	20M	QPSK	50	0	Left Cheek	0mm	Ant 2	DSI 2	40620	2593	22.19	23.00	1.205	62.9	1.006	0.04	0.045	0.055
	LTE Band 41	20M	QPSK	1	0	Left Tilted	0mm	Ant 2	DSI 2	40620	2593	23.16	24.00	1.213	62.9	1.006	-0.04	0.042	0.051
	LTE Band 41	20M	QPSK	50	0	Left Tilted	0mm	Ant 2	DSI 2	40620	2593	22.19	23.00	1.205	62.9	1.006	0.16	0.039	0.047
	LTE Band 41 HPUE	20M	QPSK	1	0	Left Cheek	0mm	Ant 2	DSI 2	40620	2593	26.20	27.00	1.202	42.9	1.009	0.01	0.083	0.101
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 4	DSI 2	40620	2593	22.05	23.00	1.245	62.9	1.006	-0.12	0.164	0.205
	LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 4	DSI 2	40620	2593	21.09	22.00	1.233	62.9	1.006	-0.01	0.133	0.165
	LTE Band 41	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DSI 2	40620	2593	22.05	23.00	1.245	62.9	1.006	-0.08	0.178	0.223
	LTE Band 41	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DSI 2	40620	2593	21.09	22.00	1.233	62.9	1.006	0.17	0.145	0.180
	LTE Band 41	20M	QPSK	1	0	Left Cheek	0mm	Ant 4	DSI 2	40620	2593	22.05	23.00	1.245	62.9	1.006	-0.04	0.220	0.276
	LTE Band 41	20M	QPSK	50	0	Left Cheek	0mm	Ant 4	DSI 2	40620	2593	21.09	22.00	1.233	62.9	1.006	0.09	0.181	0.225
	LTE Band 41	20M	QPSK	1	0	Left Tilted	0mm	Ant 4	DSI 2	40620	2593	22.05	23.00	1.245	62.9	1.006	0.11	0.193	0.242
	LTE Band 41	20M	QPSK	50	0	Left Tilted	0mm	Ant 4	DSI 2	40620	2593	21.09	22.00	1.233	62.9	1.006	-0.11	0.150	0.186
	LTE Band 41 HPUE	20M	QPSK	1	0	Left Cheek	0mm	Ant 4	DSI 2	40620	2593	24.89	26.00	1.291	42.9	1.009	0.04	0.301	0.392
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 0	DSI 2	40620	2593	22.90	24.00	1.288	62.9	1.006	0.10	0.065	0.084
	LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 0	DSI 2	40620	2593	21.97	23.00	1.268	62.9	1.006	-0.11	0.048	0.061
	LTE Band 41	20M	QPSK	1	0	Right Tilted	0mm	Ant 0	DSI 2	40620	2593	22.90	24.00	1.288	62.9	1.006	0.08	0.043	0.056
	LTE Band 41	20M	QPSK	50	0	Right Tilted	0mm	Ant 0	DSI 2	40620	2593	21.97	23.00	1.268	62.9	1.006	0.06	0.001	0.001
	LTE Band 41	20M	QPSK	1	0	Left Cheek	0mm	Ant 0	DSI 2	40620	2593	22.90	24.00	1.288	62.9	1.006	0.11	0.001	0.001
	LTE Band 41	20M	QPSK	50	0	Left Cheek	0mm	Ant 0	DSI 2	40620	2593	21.97	23.00	1.268	62.9	1.006	0.12	0.001	0.001
	LTE Band 41	20M	QPSK	1	0	Left Tilted	0mm	Ant 0	DSI 2	40620	2593	22.90	24.00	1.288	62.9	1.006	-0.11	0.053	0.069
	LTE Band 41	20M	QPSK	50	0	Left Tilted	0mm	Ant 0	DSI 2	40620	2593	21.97	23.00	1.268	62.9	1.006	-0.17	0.044	0.056
	LTE Band 41 HPUE	20M	QPSK	1	0	Right Cheek	0mm	Ant 0	DSI 2	40620	2593	25.85	27.00	1.303	42.9	1.009	0.09	0.085	0.112
	LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 2	DSI 2	42590	3500	20.85	22.00	1.303	62.9	1.006	-0.04	0.050	0.066
	LTE Band 42	20M	QPSK	50	0	Right Cheek	0mm	Ant 2	DSI 2	42590	3500	19.92	21.00	1.282	62.9	1.006	0.01	0.001	0.001
	LTE Band 42	20M	QPSK	1	0	Right Tilted	0mm	Ant 2	DSI 2	42590	3500	20.85	22.00	1.303	62.9	1.006	0.01	0.053	0.069
	LTE Band 42	20M	QPSK	50	0	Right Tilted	0mm	Ant 2	DSI 2	42590	3500	19.92	21.00	1.282	62.9	1.006	0.17	0.001	0.001
	LTE Band 42	20M	QPSK	1	0	Left Cheek	0mm	Ant 2	DSI 2	42590	3500	20.85	22.00	1.303	62.9	1.006	0.16	0.001	0.001
	LTE Band 42	20M	QPSK	50	0	Left Cheek	0mm	Ant 2	DSI 2	42590	3500	19.92	21.00	1.282	62.9	1.006	-0.17	0.001	0.001
	LTE Band 42	20M	QPSK	1	0	Left Tilted	0mm	Ant 2	DSI 2	42590	3500	20.85	22.00	1.303	62.9	1.006	0.11	0.035	0.046
	LTE Band 42	20M	QPSK	50	0	Left Tilted	0mm	Ant 2	DSI 2	42590	3500	19.92	21.00	1.282	62.9	1.006	0.06	0.039	0.050
	LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 4	DSI 2	42590	3500	23.12	24.00	1.225	62.9	1.006	0.12	0.053	0.065
	LTE Band 42	20M	QPSK	50	0	Right Cheek	0mm	Ant 4	DSI 2	42590	3500	22.15	23.00	1.216	62.9	1.006	0.17	0.043	0.053
	LTE Band 42	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DSI 2	42590	3500	23.12	24.00	1.225	62.9	1.006	0.07	0.040	0.049
	LTE Band 42	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DSI 2	42590	3500	22.15	23.00	1.216	62.9	1.006	0.19	0.001	0.001
	LTE Band 42	20M	QPSK	1	0	Left Cheek	0mm	Ant 4	DSI 2	42590	3500	23.12	24.00	1.225	62.9	1.006	0.05	0.159	0.196
	LTE Band 42	20M	QPSK	50	0	Left Cheek	0mm	Ant 4	DSI 2	42590	3500	22.15	23.00	1.216	62.9	1.006	-0.09	0.132	0.161
	LTE Band 42	20M	QPSK	1	0	Left Tilted	0mm	Ant 4	DSI 2	42590	3500	23.12	24.00	1.225	62.9	1.006	0.07	0.051	0.063
	LTE Band 42	20M	QPSK	50	0	Left Tilted	0mm	Ant 4	DSI 2	42590	3500	22.15	23.00	1.216	62.9	1.006	-0.11	0.052	0.064
	LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 6	DSI 2	42590	3500	22.03	23.00	1.25	62.9	1.006	-0.14	0.234	0.294
	LTE Band 42	20M	QPSK	50	0	Right Cheek	0mm	Ant 6	DSI 2	42590	3500	21.24	22.00	1.191	62.9	1.006	-0.18	0.190	0.228
	LTE Band 42	20M	QPSK	1	0	Right Tilted	0mm	Ant 6	DSI 2	42590	3500	22.03	23.00	1.25	62.9	1.006	0.06	0.273	0.343
	LTE Band 42	20M	QPSK	50	0	Right Tilted	0mm	Ant 6	DSI 2	42590	3500	21.24	22.00	1.191	62.9	1.006	0.13	0.224	0.268
	LTE Band 42	20M	QPSK	1	0	Left Cheek	0mm	Ant 6	DSI 2	42590	3500	22.03	23.00	1.25	62.9	1.006	-0.05	0.239	0.301
	LTE Band 42	20M	QPSK	50	0	Left Cheek	0mm	Ant 6	DSI 2	42590	3500	21.24	22.00	1.191	62.9	1.006	-0.04	0.193	0.231
	LTE Band 42	20M	QPSK	1	0	Left Tilted	0mm	Ant 6	DSI 2	42590	3500	22.03	23.00	1.25	62.9	1.006	0.06	0.288	0.362
	LTE Band 42	20M	QPSK	50	0	Left Tilted	0mm	Ant 6	DSI 2	42590	3500	21.24	22.00	1.191	62.9	1.006	-0.10	0.233	0.279
	LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	42590	3500	22.25	23	1.189	62.9	1.006	0.10	0.831	0.994
	LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	42190	3460	22.11	23	1.227	62.9	1.006	-0.10	0.877	1.083
	LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	42990	3540	22.17	23	1.211	62.9	1.006	0.14	0.883	1.076
	LTE Band 42	20M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	42590	3500	22.19	23.00	1.205	62.9	1.006	0.01	0.727	0.881
	LTE Band 42	20M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	42190	3460	22.15	23.00	1.216	62.9	1.006	-0.15	0.667	0.816
	LTE Band 42	20M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	42990	3540	22.11	23.00	1.227	62.9	1.006	0.01	0.723	0.892
	LTE Band 42	20M	QPSK	100	0	Right Cheek	0mm	Ant 8	DSI 2	42590	3500	22.14	23.00	1.219	62.9	1.006	0.12	0.713	0.874
	LTE Band 42	20M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	42590	3500	22.25	23	1.189	62.9	1.006	-0.17	0.990	1.184
	LTE Band 42	20M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	42190	3460								



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	LTE Band 42	20M	QPSK	50	0	Right Tilted	0mm	Ant 8	DSI 2	42590	3500	22.19	23.00	1.205	62.9	1.006	0.05	0.775	0.939
	LTE Band 42	20M	QPSK	50	0	Right Tilted	0mm	Ant 8	DSI 2	42190	3460	22.15	23.00	1.216	62.9	1.006	0.04	0.760	0.930
	LTE Band 42	20M	QPSK	50	0	Right Tilted	0mm	Ant 8	DSI 2	42990	3540	22.11	23.00	1.227	62.9	1.006	-0.00	0.764	0.943
	LTE Band 42	20M	QPSK	100	0	Right Tilted	0mm	Ant 8	DSI 2	42590	3500	22.14	23.00	1.219	62.9	1.006	0.18	0.745	0.914
	LTE Band 42	20M	QPSK	1	0	Left Cheek	0mm	Ant 8	DSI 2	42590	3500	22.25	23	1.189	62.9	1.006	0.11	0.665	0.795
	LTE Band 42	20M	QPSK	50	0	Left Cheek	0mm	Ant 8	DSI 2	42590	3500	22.19	23.00	1.205	62.9	1.006	0.10	0.534	0.647
	LTE Band 42	20M	QPSK	1	0	Left Tilted	0mm	Ant 8	DSI 2	42590	3500	22.25	23	1.189	62.9	1.006	0.02	0.750	0.897
	LTE Band 42	20M	QPSK	1	0	Left Tilted	0mm	Ant 8	DSI 2	42190	3460	22.11	23	1.227	62.9	1.006	0.00	0.713	0.880
	LTE Band 42	20M	QPSK	1	0	Left Tilted	0mm	Ant 8	DSI 2	42990	3540	22.17	23	1.211	62.9	1.006	-0.17	0.751	0.915
	LTE Band 42	20M	QPSK	50	0	Left Tilted	0mm	Ant 8	DSI 2	42590	3500	22.19	23.00	1.205	62.9	1.006	-0.12	0.604	0.732
	LTE Band 42	20M	QPSK	100	0	Left Tilted	0mm	Ant 8	DSI 2	42590	3500	22.14	23.00	1.219	62.9	1.006	-0.05	0.584	0.716
	LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 2	DSI 2	43340	3575	20.59	22.00	1.384	62.9	1.006	-0.18	0.001	0.001
	LTE Band 42	20M	QPSK	50	0	Right Cheek	0mm	Ant 2	DSI 2	43340	3575	19.61	21.00	1.377	62.9	1.006	0.05	0.001	0.001
	LTE Band 42	20M	QPSK	1	0	Right Tilted	0mm	Ant 2	DSI 2	43340	3575	20.59	22.00	1.384	62.9	1.006	0.12	0.001	0.001
	LTE Band 42	20M	QPSK	50	0	Right Tilted	0mm	Ant 2	DSI 2	43340	3575	19.61	21.00	1.377	62.9	1.006	0.03	0.037	0.051
	LTE Band 42	20M	QPSK	1	0	Left Cheek	0mm	Ant 2	DSI 2	43340	3575	20.59	22.00	1.384	62.9	1.006	0.01	0.041	0.057
	LTE Band 42	20M	QPSK	50	0	Left Cheek	0mm	Ant 2	DSI 2	43340	3575	19.61	21.00	1.377	62.9	1.006	0.03	0.039	0.054
	LTE Band 42	20M	QPSK	1	0	Left Tilted	0mm	Ant 2	DSI 2	43340	3575	20.59	22.00	1.384	62.9	1.006	-0.01	0.001	0.001
	LTE Band 42	20M	QPSK	50	0	Left Tilted	0mm	Ant 2	DSI 2	43340	3575	19.61	21.00	1.377	62.9	1.006	0.14	0.001	0.001
	LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 4	DSI 2	43340	3575	23.05	24.00	1.245	62.9	1.006	0.15	0.066	0.083
	LTE Band 42	20M	QPSK	50	0	Right Cheek	0mm	Ant 4	DSI 2	43340	3575	22.06	23.00	1.242	62.9	1.006	-0.12	0.053	0.066
	LTE Band 42	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DSI 2	43340	3575	23.05	24.00	1.245	62.9	1.006	0.18	0.039	0.049
	LTE Band 42	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DSI 2	43340	3575	22.06	23.00	1.242	62.9	1.006	0.15	0.035	0.044
	LTE Band 42	20M	QPSK	1	0	Left Cheek	0mm	Ant 4	DSI 2	43340	3575	23.05	24.00	1.245	62.9	1.006	0.05	0.186	0.233
	LTE Band 42	20M	QPSK	50	0	Left Cheek	0mm	Ant 4	DSI 2	43340	3575	22.06	23.00	1.242	62.9	1.006	0.11	0.152	0.190
	LTE Band 42	20M	QPSK	1	0	Left Tilted	0mm	Ant 4	DSI 2	43340	3575	23.05	24.00	1.245	62.9	1.006	0.05	0.065	0.081
	LTE Band 42	20M	QPSK	50	0	Left Tilted	0mm	Ant 4	DSI 2	43340	3575	22.06	23.00	1.242	62.9	1.006	-0.07	0.052	0.065
	LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 6	DSI 2	43340	3575	21.99	23.00	1.262	62.9	1.006	0.01	0.142	0.180
	LTE Band 42	20M	QPSK	50	0	Right Cheek	0mm	Ant 6	DSI 2	43340	3575	21.16	22.00	1.213	62.9	1.006	0.13	0.121	0.148
	LTE Band 42	20M	QPSK	1	0	Right Tilted	0mm	Ant 6	DSI 2	43340	3575	21.99	23.00	1.262	62.9	1.006	-0.03	0.165	0.209
	LTE Band 42	20M	QPSK	50	0	Right Tilted	0mm	Ant 6	DSI 2	43340	3575	21.16	22.00	1.213	62.9	1.006	0.06	0.132	0.161
	LTE Band 42	20M	QPSK	1	0	Left Cheek	0mm	Ant 6	DSI 2	43340	3575	21.99	23.00	1.262	62.9	1.006	-0.14	0.156	0.198
	LTE Band 42	20M	QPSK	50	0	Left Cheek	0mm	Ant 6	DSI 2	43340	3575	21.16	22.00	1.213	62.9	1.006	-0.16	0.125	0.153
	LTE Band 42	20M	QPSK	1	0	Left Tilted	0mm	Ant 6	DSI 2	43340	3575	21.99	23.00	1.262	62.9	1.006	0.06	0.205	0.260
	LTE Band 42	20M	QPSK	50	0	Left Tilted	0mm	Ant 6	DSI 2	43340	3575	21.16	22.00	1.213	62.9	1.006	0.06	0.144	0.176
	LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	43340	3575	22.15	23	1.216	62.9	1.006	-0.09	0.918	1.123
	LTE Band 42	20M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	43340	3575	22.13	23	1.222	62.9	1.006	0.19	0.742	0.899
	LTE Band 42	20M	QPSK	100	0	Right Cheek	0mm	Ant 8	DSI 2	43340	3575	22.14	23	1.219	62.9	1.006	-0.15	0.734	0.900
16	LTE Band 42	20M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	43340	3575	22.15	23	1.216	62.9	1.006	0.04	1.030	1.260
	LTE Band 42	20M	QPSK	50	0	Right Tilted	0mm	Ant 8	DSI 2	43340	3575	22.13	23	1.222	62.9	1.006	-0.01	0.792	0.960
	LTE Band 42	20M	QPSK	100	0	Right Tilted	0mm	Ant 8	DSI 2	43340	3575	22.14	23	1.219	62.9	1.006	0.11	0.790	0.969
	LTE Band 42	20M	QPSK	1	0	Left Cheek	0mm	Ant 8	DSI 2	43340	3575	22.15	23	1.216	62.9	1.006	0.14	0.639	0.782
	LTE Band 42	20M	QPSK	50	0	Left Cheek	0mm	Ant 8	DSI 2	43340	3575	22.13	23	1.222	62.9	1.006	0.16	0.515	0.624
	LTE Band 42	20M	QPSK	1	0	Left Tilted	0mm	Ant 8	DSI 2	43340	3575	22.15	23	1.216	62.9	1.006	0.08	0.763	0.933
	LTE Band 42	20M	QPSK	50	0	Left Tilted	0mm	Ant 8	DSI 2	43340	3575	22.13	23	1.222	62.9	1.006	-0.11	0.603	0.731
	LTE Band 42	20M	QPSK	100	0	Left Tilted	0mm	Ant 8	DSI 2	43340	3575	22.14	23	1.219	62.9	1.006	-0.03	0.607	0.744
	LTE Band 43	20M	QPSK	1	0	Right Cheek	0mm	Ant 2	DSI 2	44090	3650	20.79	22.00	1.321	62.9	1.006	0.05	0.040	0.053
	LTE Band 43	20M	QPSK	50	0	Right Cheek	0mm	Ant 2	DSI 2	44090	3650	19.73	21.00	1.34	62.9	1.006	0.19	0.001	0.001
	LTE Band 43	20M	QPSK	1	0	Right Tilted	0mm	Ant 2	DSI 2	44090	3650	20.79	22.00	1.321	62.9	1.006	-0.18	0.001	0.001
	LTE Band 43	20M	QPSK	50	0	Right Tilted	0mm	Ant 2	DSI 2	44090	3650	19.73	21.00	1.34	62.9	1.006	-0.02	0.034	0.046
	LTE Band 43	20M	QPSK	1	0	Left Cheek	0mm	Ant 2	DSI 2	44090	3650	20.79	22.00	1.321	62.9	1.006	0.09	0.052	0.069
	LTE Band 43	20M	QPSK	50	0	Left Cheek	0mm	Ant 2	DSI 2	44090	3650	19.73	21.00	1.34	62.9	1.006	-0.10	0.038	0.051
	LTE Band 43	20M	QPSK	1	0	Left Tilted	0mm	Ant 2	DSI 2	44090	3650	20.79	22.00	1.321	62.9	1.006	-0.15	0.001	0.001
	LTE Band 43	20M	QPSK	50	0	Left Tilted	0mm	Ant 2	DSI 2	44090	3650	19.73	21.00	1.34	62.9	1.006	-0.12	0.043	0.058
	LTE Band 43	20M	QPSK	1	0	Right Cheek	0mm	Ant 4	DSI 2	44090	3650	23.14	24.00	1.219	62.9	1.006	-0.15	0.071	0.087
	LTE Band 43	20M	QPSK	50	0	Right Cheek	0mm	Ant 4	DSI 2	44090	3650	22.19	23.00	1.205	62.9	1.006	-0.08	0.059	0.072
	LTE Band 43	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DSI 2	44090	3650	23.14	24.00	1.219	62.9	1.006	0.14	0.054	0.066
	LTE Band 43	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DSI 2	44090	3650	22.19	23.00	1.205	62.9	1.006	-0.17	0.044	0.053
	LTE Band 43	20M	QPSK	1	0	Left Cheek	0mm	Ant 4	DSI 2	44090	3650	23.14	24.00	1.219	62.9	1.006	0.01	0.206	0.253
	LTE Band 43	20M	QPSK	50	0	Left Cheek	0mm	Ant 4	DSI 2	44090	3650	22.19	23.00	1.205	62.9	1.006	-0.10	0.167	0.202
	LTE Band 43	20M	QPSK	1	0	Left Tilted	0mm	Ant 4	DSI 2	44090	3650	23.14	24.00	1.219	62.9	1.006	0.16	0.078	0.096
	LTE Band 43	20M	QPSK	50	0	Left Tilted	0mm	Ant 4	DSI 2	44090	3650	22.19	23.00	1.205	62.9	1.006	-0.11	0.066	0.080
	LTE Band 43	20M	QPSK	1	0	Right Cheek	0mm	Ant 6	DSI 2	44090	3650	21.86	23.00	1.3	62.9	1.006	0.00	0.197	0.258
	LTE Band 43	20M	QPSK	50	0	Right Cheek	0mm	Ant 6	DSI 2	44090	3650	20.87	22.00	1.297	62.9	1.006	0.09	0.162	0.211
	LTE Band 43	20M	QPSK	1	0	Right Tilted	0mm	Ant 6	DSI 2	44090	3650	21.86	23.00	1.3	62.9	1.006	0.01	0.233	0.305
	LTE Band 43	20M	QPSK	50	0	Right Tilted	0mm	Ant 6	DSI 2	44090	3650	20.87	22.00	1.297	62.9	1.006	0.16	0.189	0.247
	LTE Band 43	20M	QPSK	1	0	Left Cheek	0mm	Ant 6	DSI 2	44090	3650	21.86	23.00	1.3	62.9	1.006	0.16	0.194	0.254
	LTE Band 43	20M	QPSK	50	0	Left Cheek	0mm	Ant 6	DSI 2	44090	3650	20.87	22.00	1.297	62.9	1.006	-0.04	0.156	0.204
	LTE Band 43	20M	QPSK	1	0	Left Tilted	0mm	Ant 6	DSI 2	44090	3650	21.86	23.00	1.3	62.9	1.006	0.09	0.246	0.322
	LTE Band 43	20M	QPSK	50	0	Left Tilted	0mm	Ant 6	DSI 2	44090	3650	20.87	22.00	1.297	62.9	1.00			



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	LTE Band 43	20M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	44090	3650	22.06	23	1.242	62.9	1.006	-0.10	0.639	0.787
	LTE Band 43	20M	QPSK	100	0	Right Cheek	0mm	Ant 8	DSI 2	44090	3650	22.05	23.00	1.245	62.9	1.006	0.15	0.624	0.782
	LTE Band 43	20M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	44090	3650	22.07	23	1.239	62.9	1.006	0.07	0.841	1.048
	LTE Band 43	20M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	43690	3610	22.02	23	1.253	62.9	1.006	-0.13	0.891	1.123
	LTE Band 43	20M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	44490	3690	22.04	23	1.247	62.9	1.006	0.05	0.793	0.995
	LTE Band 43	20M	QPSK	50	0	Right Tilted	0mm	Ant 8	DSI 2	44090	3650	22.06	23	1.242	62.9	1.006	-0.18	0.697	0.859
	LTE Band 43	20M	QPSK	50	0	Right Tilted	0mm	Ant 8	DSI 2	43690	3610	22.06	23.00	1.242	62.9	1.006	0.12	0.732	0.915
	LTE Band 43	20M	QPSK	50	0	Right Tilted	0mm	Ant 8	DSI 2	44490	3690	22.04	23	1.247	62.9	1.006	0.04	0.631	0.781
	LTE Band 43	20M	QPSK	100	0	Right Tilted	0mm	Ant 8	DSI 2	44090	3650	22.05	23.00	1.245	62.9	1.006	-0.09	0.672	0.842
	LTE Band 43	20M	QPSK	1	0	Left Cheek	0mm	Ant 8	DSI 2	44090	3650	22.07	23	1.239	62.9	1.006	-0.15	0.592	0.738
	LTE Band 43	20M	QPSK	50	0	Left Cheek	0mm	Ant 8	DSI 2	44090	3650	22.06	23	1.242	62.9	1.006	-0.15	0.479	0.590
	LTE Band 43	20M	QPSK	1	0	Left Tilted	0mm	Ant 8	DSI 2	44090	3650	22.07	23	1.239	62.9	1.006	-0.10	0.705	0.879
	LTE Band 43	20M	QPSK	1	0	Left Tilted	0mm	Ant 8	DSI 2	43690	3610	22.02	23	1.253	62.9	1.006	-0.17	0.743	0.937
	LTE Band 43	20M	QPSK	1	0	Left Tilted	0mm	Ant 8	DSI 2	44490	3690	22.04	23	1.247	62.9	1.006	-0.18	0.632	0.793
	LTE Band 43	20M	QPSK	50	0	Left Tilted	0mm	Ant 8	DSI 2	44090	3650	22.06	23	1.242	62.9	1.006	0.10	0.556	0.685
	LTE Band 43	20M	QPSK	100	0	Left Tilted	0mm	Ant 8	DSI 2	44090	3650	22.05	23.00	1.245	62.9	1.006	-0.12	0.550	0.689
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 2	DSI 2	55830	3609	20.70	22.00	1.349	62.9	1.006	0.05	0.068	0.092
	LTE Band 48	20M	QPSK	50	0	Right Cheek	0mm	Ant 2	DSI 2	55830	3609	19.71	21.00	1.346	62.9	1.006	0.04	0.001	0.001
	LTE Band 48	20M	QPSK	1	0	Right Tilted	0mm	Ant 2	DSI 2	55830	3609	20.70	22.00	1.349	62.9	1.006	-0.15	0.001	0.001
	LTE Band 48	20M	QPSK	50	0	Right Tilted	0mm	Ant 2	DSI 2	55830	3609	19.71	21.00	1.346	62.9	1.006	-0.08	0.001	0.001
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 2	DSI 2	55830	3609	20.70	22.00	1.349	62.9	1.006	0.08	0.038	0.052
	LTE Band 48	20M	QPSK	50	0	Left Cheek	0mm	Ant 2	DSI 2	55830	3609	19.71	21.00	1.346	62.9	1.006	0.11	0.001	0.001
	LTE Band 48	20M	QPSK	1	0	Left Tilted	0mm	Ant 2	DSI 2	55830	3609	20.70	22.00	1.349	62.9	1.006	-0.09	0.001	0.001
	LTE Band 48	20M	QPSK	50	0	Left Tilted	0mm	Ant 2	DSI 2	55830	3609	19.71	21.00	1.346	62.9	1.006	0.09	0.001	0.001
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 4	DSI 2	55830	3609	23.15	24.00	1.216	62.9	1.006	-0.03	0.065	0.080
	LTE Band 48	20M	QPSK	50	0	Right Cheek	0mm	Ant 4	DSI 2	55830	3609	22.17	23.00	1.211	62.9	1.006	0.15	0.052	0.063
	LTE Band 48	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DSI 2	55830	3609	23.15	24.00	1.216	62.9	1.006	0.09	0.046	0.056
	LTE Band 48	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DSI 2	55830	3609	22.17	23.00	1.211	62.9	1.006	-0.12	0.035	0.043
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 4	DSI 2	55830	3609	23.15	24.00	1.216	62.9	1.006	0.08	0.162	0.198
	LTE Band 48	20M	QPSK	50	0	Left Cheek	0mm	Ant 4	DSI 2	55830	3609	22.17	23.00	1.211	62.9	1.006	-0.06	0.127	0.155
	LTE Band 48	20M	QPSK	1	0	Left Tilted	0mm	Ant 4	DSI 2	55830	3609	23.15	24.00	1.216	62.9	1.006	-0.08	0.112	0.137
	LTE Band 48	20M	QPSK	50	0	Left Tilted	0mm	Ant 4	DSI 2	55830	3609	22.17	23.00	1.211	62.9	1.006	-0.09	0.089	0.108
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 6	DSI 2	55830	3609	21.78	23.00	1.324	62.9	1.006	0.15	0.150	0.200
	LTE Band 48	20M	QPSK	50	0	Right Cheek	0mm	Ant 6	DSI 2	55830	3609	20.81	22.00	1.315	62.9	1.006	-0.05	0.123	0.163
	LTE Band 48	20M	QPSK	1	0	Right Tilted	0mm	Ant 6	DSI 2	55830	3609	21.78	23.00	1.324	62.9	1.006	0.12	0.168	0.224
	LTE Band 48	20M	QPSK	50	0	Right Tilted	0mm	Ant 6	DSI 2	55830	3609	20.81	22.00	1.315	62.9	1.006	-0.04	0.137	0.181
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 6	DSI 2	55830	3609	21.78	23.00	1.324	62.9	1.006	0.11	0.155	0.206
	LTE Band 48	20M	QPSK	50	0	Left Cheek	0mm	Ant 6	DSI 2	55830	3609	20.81	22.00	1.315	62.9	1.006	-0.19	0.124	0.164
	LTE Band 48	20M	QPSK	1	0	Left Tilted	0mm	Ant 6	DSI 2	55830	3609	21.78	23.00	1.324	62.9	1.006	0.09	0.198	0.264
	LTE Band 48	20M	QPSK	50	0	Left Tilted	0mm	Ant 6	DSI 2	55830	3609	20.81	22.00	1.315	62.9	1.006	0.06	0.157	0.208
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	55830	3609	22.01	23	1.256	62.9	1.006	0.01	0.848	1.071
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	55340	3560	21.96	23	1.271	62.9	1.006	0.04	0.964	1.233
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	56150	3641	21.96	23	1.271	62.9	1.006	-0.09	0.813	1.040
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 8	DSI 2	56640	3690	21.99	23	1.262	62.9	1.006	-0.18	0.737	0.936
	LTE Band 48	20M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	55830	3609	22.06	23.00	1.242	62.9	1.006	0.18	0.685	0.856
	LTE Band 48	20M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	55340	3560	21.95	23.00	1.274	62.9	1.006	-0.12	0.748	0.959
	LTE Band 48	20M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	56150	3641	21.88	23.00	1.294	62.9	1.006	0.05	0.661	0.860
	LTE Band 48	20M	QPSK	50	0	Right Cheek	0mm	Ant 8	DSI 2	56640	3690	21.99	23.00	1.262	62.9	1.006	-0.19	0.572	0.726
	LTE Band 48	20M	QPSK	100	0	Right Cheek	0mm	Ant 8	DSI 2	55830	3609	22.02	23.00	1.253	62.9	1.006	-0.10	0.694	0.875
	LTE Band 48	20M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	55830	3609	22.01	23	1.256	62.9	1.006	0.10	0.926	1.170
18	LTE Band 48	20M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	55340	3560	21.96	23	1.271	62.9	1.006	-0.08	0.991	1.267
	LTE Band 48	20M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	56150	3641	21.96	23	1.271	62.9	1.006	0.17	0.915	1.170
	LTE Band 48	20M	QPSK	1	0	Right Tilted	0mm	Ant 8	DSI 2	56640	3690	21.99	23	1.262	62.9	1.006	-0.12	0.836	1.061
	LTE Band 48	20M	QPSK	50	0	Right Tilted	0mm	Ant 8	DSI 2	55830	3609	22.06	23.00	1.242	62.9	1.006	0.14	0.740	0.925
	LTE Band 48	20M	QPSK	50	0	Right Tilted	0mm	Ant 8	DSI 2	55340	3560	21.95	23.00	1.274	62.9	1.006	0.14	0.795	1.019
	LTE Band 48	20M	QPSK	50	0	Right Tilted	0mm	Ant 8	DSI 2	56150	3641	21.88	23.00	1.294	62.9	1.006	-0.17	0.716	0.932
	LTE Band 48	20M	QPSK	50	0	Right Tilted	0mm	Ant 8	DSI 2	56640	3690	21.99	23.00	1.262	62.9	1.006	0.14	0.660	0.838
	LTE Band 48	20M	QPSK	100	0	Right Tilted	0mm	Ant 8	DSI 2	55830	3609	22.02	23.00	1.253	62.9	1.006	-0.02	0.751	0.947
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 8	DSI 2	55830	3609	22.01	23	1.256	62.9	1.006	-0.15	0.613	0.775
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 8	DSI 2	55340	3560	21.96	23	1.271	62.9	1.006	-0.16	0.658	0.841
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 8	DSI 2	56150	3641	21.96	23	1.271	62.9	1.006	0.19	0.603	0.771
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 8	DSI 2	56640	3690	21.99	23	1.262	62.9	1.006	-0.04	0.526	0.668
	LTE Band 48	20M	QPSK	50	0	Left Cheek	0mm	Ant 8	DSI 2	55830	3609	22.06	23.00	1.242	62.9	1.006	0.07	0.480	0.600
	LTE Band 48	20M	QPSK	50	0	Left Cheek	0mm	Ant 8	DSI 2	55340	3560	21.95	23.00	1.274	62.9	1.006	0.18	0.459	0.588
	LTE Band 48	20M	QPSK	50	0	Left Cheek	0mm	Ant 8	DSI 2	56150	3641	21.88	23.00	1.294	62.9	1.006	0.17	0.451	0.587
	LTE Band 48	20M	QPSK	50	0	Left Cheek	0mm	Ant 8	DSI 2	56640	3690	21.99	23.00	1.262	62.9	1.006	-0.13	0.461	0.585
	LTE Band 48	20M	QPSK	100	0	Left Cheek	0mm	Ant 8	DSI 2	55830	3609	22.02	23.00	1.253	62.9	1.006	-0.01	0.472	0.595
	LTE Band 48	20M	QPSK	1	0	Left Tilted	0mm	Ant 8	DSI 2	55830	3609	22.01	23	1.256	62.9	1.006	-0.08	0.711	0.898
	LTE Band 48	20M	QPSK	1	0	Left Tilted	0mm	Ant 8	DSI 2	55340	3560	21.96	23	1.271	62.9	1.006	-0.08	0.776	0.992
	LTE Band 48	20M	QPSK	1	0	Left Tilted	0mm	Ant 8	DSI 2	56150	3641	21.96	23	1.271	62.9	1.006	0.00	0.684	0.8



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	LTE Band 48	20M	QPSK	50	0	Left Tilted	0mm	Ant 8	DSI 2	56640	3690	21.99	23.00	1.262	62.9	1.006	0.04	0.461	0.585
	LTE Band 48	20M	QPSK	100	0	Left Tilted	0mm	Ant 8	DSI 2	55830	3609	22.02	23.00	1.253	62.9	1.006	0.07	0.571	0.720

【FR1 SAR】

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n7	50M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	507000	2535	15.12	16.40	1.343			0.15	0.662	0.889
	FR1 n7	50M	BPSK	135	68	Right Cheek	0mm	Ant 3	DSI 2	507000	2535	15.11	16.40	1.346			-0.08	0.756	1.018
	FR1 n7	50M	BPSK	270	0	Right Cheek	0mm	Ant 3	DSI 2	507000	2535	15.09	16.40	1.352			-0.13	0.761	1.029
	FR1 n7	50M	BPSK	1	1	Right Tilted	0mm	Ant 3	DSI 2	507000	2535	15.12	16.40	1.343			-0.13	0.828	1.112
	FR1 n7	50M	BPSK	135	68	Right Tilted	0mm	Ant 3	DSI 2	507000	2535	15.11	16.40	1.346			0.06	0.922	1.241
19	FR1 n7	50M	BPSK	270	0	Right Tilted	0mm	Ant 3	DSI 2	507000	2535	15.09	16.40	1.352			-0.08	0.943	1.275
	FR1 n7	50M	BPSK	1	1	Left Cheek	0mm	Ant 3	DSI 2	507000	2535	15.12	16.40	1.343			-0.12	0.682	0.916
	FR1 n7	50M	BPSK	135	68	Left Cheek	0mm	Ant 3	DSI 2	507000	2535	15.11	16.40	1.346			0.06	0.791	1.065
	FR1 n7	50M	BPSK	270	0	Left Cheek	0mm	Ant 3	DSI 2	507000	2535	15.09	16.40	1.352			0.12	0.777	1.051
	FR1 n7	50M	BPSK	1	1	Left Tilted	0mm	Ant 3	DSI 2	507000	2535	15.12	16.40	1.343			-0.18	0.805	1.081
	FR1 n7	50M	BPSK	135	68	Left Tilted	0mm	Ant 3	DSI 2	507000	2535	15.11	16.40	1.346			-0.06	0.897	1.207
	FR1 n7	50M	BPSK	270	0	Left Tilted	0mm	Ant 3	DSI 2	507000	2535	15.09	16.40	1.352			0.16	0.901	1.218
	FR1 n7	50M	BPSK	1	1	Right Cheek	0mm	Ant 2	DSI 2	507000	2535	23.03	24.00	1.25			0.06	0.065	0.081
	FR1 n7	50M	BPSK	135	68	Right Cheek	0mm	Ant 2	DSI 2	507000	2535	23.02	24.00	1.253			0.03	0.068	0.085
	FR1 n7	50M	BPSK	1	1	Right Tilted	0mm	Ant 2	DSI 2	507000	2535	23.03	24.00	1.25			0.09	0.056	0.070
	FR1 n7	50M	BPSK	135	68	Right Tilted	0mm	Ant 2	DSI 2	507000	2535	23.02	24.00	1.253			0.05	0.050	0.063
	FR1 n7	50M	BPSK	1	1	Left Cheek	0mm	Ant 2	DSI 2	507000	2535	23.03	24.00	1.25			0.01	0.066	0.083
	FR1 n7	50M	BPSK	135	68	Left Cheek	0mm	Ant 2	DSI 2	507000	2535	23.02	24.00	1.253			0.07	0.065	0.081
	FR1 n7	50M	BPSK	1	1	Left Tilted	0mm	Ant 2	DSI 2	507000	2535	23.03	24.00	1.25			0.04	0.048	0.060
	FR1 n7	50M	BPSK	135	68	Left Tilted	0mm	Ant 2	DSI 2	507000	2535	23.02	24.00	1.253			0.09	0.049	0.061
	FR1 n7	50M	BPSK	1	1	Right Cheek	0mm	Ant 4	DSI 2	507000	2535	22.27	23.00	1.183			0.04	0.333	0.394
	FR1 n7	50M	BPSK	135	68	Right Cheek	0mm	Ant 4	DSI 2	507000	2535	22.25	23.00	1.189			-0.14	0.246	0.292
	FR1 n7	50M	BPSK	1	1	Right Tilted	0mm	Ant 4	DSI 2	507000	2535	22.27	23.00	1.183			0.06	0.362	0.428
	FR1 n7	50M	BPSK	135	68	Right Tilted	0mm	Ant 4	DSI 2	507000	2535	22.25	23.00	1.189			-0.13	0.267	0.317
	FR1 n7	50M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	507000	2535	22.27	23.00	1.183			-0.06	0.288	0.341
	FR1 n7	50M	BPSK	135	68	Left Cheek	0mm	Ant 4	DSI 2	507000	2535	22.25	23.00	1.189			-0.19	0.216	0.257
	FR1 n7	50M	BPSK	1	1	Left Tilted	0mm	Ant 4	DSI 2	507000	2535	22.27	23.00	1.183			-0.02	0.307	0.363
	FR1 n7	50M	BPSK	135	68	Left Tilted	0mm	Ant 4	DSI 2	507000	2535	22.25	23.00	1.189			0.18	0.247	0.294
	FR1 n7	50M	BPSK	1	1	Right Cheek	0mm	Ant 0	DSI 2	507000	2535	22.63	24.00	1.371			-0.09	0.089	0.122
	FR1 n7	50M	BPSK	135	68	Right Cheek	0mm	Ant 0	DSI 2	507000	2535	22.62	24.00	1.374			0.06	0.108	0.148
	FR1 n7	50M	BPSK	1	1	Right Tilted	0mm	Ant 0	DSI 2	507000	2535	22.63	24.00	1.371			-0.01	0.039	0.053
	FR1 n7	50M	BPSK	135	68	Right Tilted	0mm	Ant 0	DSI 2	507000	2535	22.62	24.00	1.374			0.18	0.045	0.062
	FR1 n7	50M	BPSK	1	1	Left Cheek	0mm	Ant 0	DSI 2	507000	2535	22.63	24.00	1.371			-0.02	0.064	0.088
	FR1 n7	50M	BPSK	135	68	Left Cheek	0mm	Ant 0	DSI 2	507000	2535	22.62	24.00	1.374			0.15	0.070	0.096
	FR1 n7	50M	BPSK	1	1	Left Tilted	0mm	Ant 0	DSI 2	507000	2535	22.63	24.00	1.371			0.06	0.064	0.088
	FR1 n7	50M	BPSK	135	68	Left Tilted	0mm	Ant 0	DSI 2	507000	2535	22.62	24.00	1.374			-0.06	0.081	0.111
	FR1 n12	15M	BPSK	1	1	Right Cheek	0mm	Ant 0	DSI 2	141500	707.5	23.31	24.00	1.172			0.06	0.101	0.118
	FR1 n12	15M	BPSK	36	22	Right Cheek	0mm	Ant 0	DSI 2	141500	707.5	23.26	24.00	1.186			-0.01	0.095	0.113
	FR1 n12	15M	BPSK	1	1	Right Tilted	0mm	Ant 0	DSI 2	141500	707.5	23.31	24.00	1.172			-0.05	0.060	0.070
	FR1 n12	15M	BPSK	36	22	Right Tilted	0mm	Ant 0	DSI 2	141500	707.5	23.26	24.00	1.186			0.18	0.063	0.075
	FR1 n12	15M	BPSK	1	1	Left Cheek	0mm	Ant 0	DSI 2	141500	707.5	23.31	24.00	1.172			0.11	0.069	0.081
	FR1 n12	15M	BPSK	36	22	Left Cheek	0mm	Ant 0	DSI 2	141500	707.5	23.26	24.00	1.186			-0.09	0.073	0.087
	FR1 n12	15M	BPSK	1	1	Left Tilted	0mm	Ant 0	DSI 2	141500	707.5	23.31	24.00	1.172			-0.02	0.001	0.001
	FR1 n12	15M	BPSK	36	22	Left Tilted	0mm	Ant 0	DSI 2	141500	707.5	23.26	24.00	1.186			0.06	0.045	0.053
	FR1 n12	15M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	141500	707.5	23.27	24.00	1.183			0.15	0.134	0.159
20	FR1 n12	15M	BPSK	36	22	Right Cheek	0mm	Ant 1	DSI 2	141500	707.5	23.25	24.00	1.189			0.05	0.146	0.174
	FR1 n12	15M	BPSK	1	1	Right Tilted	0mm	Ant 1	DSI 2	141500	707.5	23.27	24.00	1.183			0.11	0.001	0.001
	FR1 n12	15M	BPSK	36	22	Right Tilted	0mm	Ant 1	DSI 2	141500	707.5	23.25	24.00	1.189			-0.18	0.001	0.001
	FR1 n12	15M	BPSK	1	1	Left Cheek	0mm	Ant 1	DSI 2	141500	707.5	23.27	24.00	1.183			0.04	0.067	0.079
	FR1 n12	15M	BPSK	36	22	Left Cheek	0mm	Ant 1	DSI 2	141500	707.5	23.25	24.00	1.189			0.11	0.070	0.083
	FR1 n12	15M	BPSK	1	1	Left Tilted	0mm	Ant 1	DSI 2	141500	707.5	23.27	24.00	1.183			-0.13	0.001	0.001
	FR1 n12	15M	BPSK	36	22	Left Tilted	0mm	Ant 1	DSI 2	141500	707.5	23.25	24.00	1.189			-0.08	0.001	0.001
21	FR1 n13	10M	BPSK	1	1	Right Cheek	0mm	Ant 0	DSI 2	156400	782	23.52	24.00	1.117			0.01	0.094	0.105
	FR1 n13	10M	BPSK	25	14	Right Cheek	0mm	Ant 0	DSI 2	156400	782	23.48	24.00	1.127			0.02	0.087	0.098
	FR1 n13	10M	BPSK	1	1	Right Tilted	0mm	Ant 0	DSI 2	156400	782	23.52	24.00	1.117			-0.16	0.064	0.071
	FR1 n13	10M	BPSK	25	14	Right Tilted	0mm	Ant 0	DSI 2	156400	782	23.48	24.00	1.127			-0.01	0.061	0.069
	FR1 n13	10M	BPSK	1	1	Left Cheek	0mm	Ant 0	DSI 2	156400	782	23.52	24.00	1.117			-0.13	0.065	0.073
	FR1 n13	10M	BPSK	25	14	Left Cheek	0mm	Ant 0	DSI 2	156400	782	23.48	24.00	1.127			-0.02	0.070	0.079
	FR1 n13	10M	BPSK	1	1	Left Tilted	0mm	Ant 0	DSI 2	156400	782	23.52	24.00	1.117			-0.06	0.045	0.050
	FR1 n13	10M	BPSK	25	14	Left Tilted	0mm	Ant 0	DSI 2	156400	782	23.48	24.00	1.127			0.12	0.044	0.050
	FR1 n13	10M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	156400	782	23.36	24.00	1.159			0.06	0.061	0.071
	FR1 n13	10M	BPSK	25	14	Right Cheek	0mm	Ant 1	DSI 2	156400	782	23.35	24.00	1.161			0.04	0.064	0.074
	FR1 n13	10M	BPSK	1	1	Right Tilted	0mm	Ant 1	DSI 2	156400	782	23.36	24.00	1.159			0.16	0.001	0.001
	FR1 n13	10M	BPSK	25	14	Right Tilted	0mm	Ant 1	DSI 2	156400	782	23.35	24.00	1.161			0.08	0.001	0.001



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	FR1 n13	10M	BPSK	1	1	Left Cheek	0mm	Ant 1	DSI 2	156400	782	23.36	24.00	1.159			0.07	0.026	0.030
	FR1 n13	10M	BPSK	25	14	Left Cheek	0mm	Ant 1	DSI 2	156400	782	23.35	24.00	1.161			-0.08	0.028	0.033
	FR1 n13	10M	BPSK	1	1	Left Tilted	0mm	Ant 1	DSI 2	156400	782	23.36	24.00	1.159			0.01	0.001	0.001
	FR1 n13	10M	BPSK	25	14	Left Tilted	0mm	Ant 1	DSI 2	156400	782	23.35	24.00	1.161			0.11	0.001	0.001
	FR1 n14	10M	BPSK	1	1	Right Cheek	0mm	Ant 0	DSI 2	158600	793	23.47	24.00	1.13			0.01	0.102	0.115
	FR1 n14	10M	BPSK	25	14	Right Cheek	0mm	Ant 0	DSI 2	158600	793	23.45	24.00	1.135			0.15	0.097	0.110
	FR1 n14	10M	BPSK	1	1	Right Tilted	0mm	Ant 0	DSI 2	158600	793	23.47	24.00	1.13			0.09	0.062	0.070
	FR1 n14	10M	BPSK	25	14	Right Tilted	0mm	Ant 0	DSI 2	158600	793	23.45	24.00	1.135			-0.02	0.061	0.069
	FR1 n14	10M	BPSK	1	1	Left Cheek	0mm	Ant 0	DSI 2	158600	793	23.47	24.00	1.13			-0.09	0.062	0.070
	FR1 n14	10M	BPSK	25	14	Left Cheek	0mm	Ant 0	DSI 2	158600	793	23.45	24.00	1.135			0.04	0.065	0.074
	FR1 n14	10M	BPSK	1	1	Left Tilted	0mm	Ant 0	DSI 2	158600	793	23.47	24.00	1.13			-0.09	0.046	0.052
	FR1 n14	10M	BPSK	25	14	Left Tilted	0mm	Ant 0	DSI 2	158600	793	23.45	24.00	1.135			0.12	0.048	0.054
22	FR1 n14	10M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	158600	793	23.35	24.00	1.161			0.12	0.157	0.182
	FR1 n14	10M	BPSK	25	14	Right Cheek	0mm	Ant 1	DSI 2	158600	793	23.31	24.00	1.172			0.04	0.145	0.170
	FR1 n14	10M	BPSK	1	1	Right Tilted	0mm	Ant 1	DSI 2	158600	793	23.35	24.00	1.161			0.17	0.001	0.001
	FR1 n14	10M	BPSK	25	14	Right Tilted	0mm	Ant 1	DSI 2	158600	793	23.31	24.00	1.172			0.10	0.001	0.001
	FR1 n14	10M	BPSK	1	1	Left Cheek	0mm	Ant 1	DSI 2	158600	793	23.35	24.00	1.161			-0.12	0.067	0.078
	FR1 n14	10M	BPSK	25	14	Left Cheek	0mm	Ant 1	DSI 2	158600	793	23.31	24.00	1.172			-0.14	0.067	0.079
	FR1 n14	10M	BPSK	1	1	Left Tilted	0mm	Ant 1	DSI 2	158600	793	23.35	24.00	1.161			-0.15	0.001	0.001
	FR1 n14	10M	BPSK	25	14	Left Tilted	0mm	Ant 1	DSI 2	158600	793	23.31	24.00	1.172			-0.12	0.001	0.001
	FR1 n25	40M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	376500	1882.5	19.89	21.00	1.291			0.04	0.646	0.834
	FR1 n25	40M	BPSK	108	54	Right Cheek	0mm	Ant 3	DSI 2	376500	1882.5	19.81	21.00	1.315			0.10	0.657	0.864
	FR1 n25	40M	BPSK	216	0	Right Cheek	0mm	Ant 3	DSI 2	376500	1882.5	19.78	21.00	1.324			0.12	0.657	0.870
	FR1 n25	40M	BPSK	1	1	Right Tilted	0mm	Ant 3	DSI 2	376500	1882.5	19.89	21.00	1.291			0.05	0.817	1.055
	FR1 n25	40M	BPSK	108	54	Right Tilted	0mm	Ant 3	DSI 2	376500	1882.5	19.81	21.00	1.315			0.03	0.800	1.052
	FR1 n25	40M	BPSK	216	0	Right Tilted	0mm	Ant 3	DSI 2	376500	1882.5	19.78	21.00	1.324			-0.09	0.800	1.059
	FR1 n25	40M	BPSK	1	1	Left Cheek	0mm	Ant 3	DSI 2	376500	1882.5	19.89	21.00	1.291			-0.04	0.657	0.848
	FR1 n25	40M	BPSK	108	54	Left Cheek	0mm	Ant 3	DSI 2	376500	1882.5	19.81	21.00	1.315			-0.19	0.717	0.943
	FR1 n25	40M	BPSK	216	0	Left Cheek	0mm	Ant 3	DSI 2	376500	1882.5	19.78	21.00	1.324			0.03	0.705	0.933
	FR1 n25	40M	BPSK	1	1	Left Tilted	0mm	Ant 3	DSI 2	376500	1882.5	19.89	21.00	1.291			0.06	0.847	1.093
23	FR1 n25	40M	BPSK	108	54	Left Tilted	0mm	Ant 3	DSI 2	376500	1882.5	19.81	21.00	1.315			-0.04	0.984	1.294
	FR1 n25	40M	BPSK	216	0	Left Tilted	0mm	Ant 3	DSI 2	376500	1882.5	19.78	21.00	1.324			-0.01	0.871	1.153
	FR1 n25	40M	BPSK	1	1	Right Cheek	0mm	Ant 2	DSI 2	376500	1882.5	22.73	24.00	1.34			0.06	0.045	0.060
	FR1 n25	40M	BPSK	108	54	Right Cheek	0mm	Ant 2	DSI 2	376500	1882.5	22.69	24.00	1.352			0.03	0.001	0.001
	FR1 n25	40M	BPSK	1	1	Right Tilted	0mm	Ant 2	DSI 2	376500	1882.5	22.73	24.00	1.34			0.04	0.001	0.001
	FR1 n25	40M	BPSK	108	54	Right Tilted	0mm	Ant 2	DSI 2	376500	1882.5	22.69	24.00	1.352			0.02	0.001	0.001
	FR1 n25	40M	BPSK	1	1	Left Cheek	0mm	Ant 2	DSI 2	376500	1882.5	22.73	24.00	1.34			0.07	0.041	0.055
	FR1 n25	40M	BPSK	108	54	Left Cheek	0mm	Ant 2	DSI 2	376500	1882.5	22.69	24.00	1.352			0.06	0.041	0.055
	FR1 n25	40M	BPSK	1	1	Left Tilted	0mm	Ant 2	DSI 2	376500	1882.5	22.73	24.00	1.34			0.01	0.001	0.001
	FR1 n25	40M	BPSK	108	54	Left Tilted	0mm	Ant 2	DSI 2	376500	1882.5	22.69	24.00	1.352			0.07	0.001	0.001
	FR1 n26	20M	BPSK	1	1	Right Cheek	0mm	Ant 0	DSI 2	166300	831.5	23.32	24.00	1.169			0.06	0.116	0.136
	FR1 n26	20M	BPSK	50	28	Right Cheek	0mm	Ant 0	DSI 2	166300	831.5	23.30	24.00	1.175			0.03	0.118	0.139
	FR1 n26	20M	BPSK	1	1	Right Tilted	0mm	Ant 0	DSI 2	166300	831.5	23.32	24.00	1.169			0.11	0.073	0.085
	FR1 n26	20M	BPSK	50	28	Right Tilted	0mm	Ant 0	DSI 2	166300	831.5	23.30	24.00	1.175			0.14	0.071	0.083
	FR1 n26	20M	BPSK	1	1	Left Cheek	0mm	Ant 0	DSI 2	166300	831.5	23.32	24.00	1.169			-0.12	0.092	0.108
	FR1 n26	20M	BPSK	50	28	Left Cheek	0mm	Ant 0	DSI 2	166300	831.5	23.30	24.00	1.175			0.09	0.083	0.098
	FR1 n26	20M	BPSK	1	1	Left Tilted	0mm	Ant 0	DSI 2	166300	831.5	23.32	24.00	1.169			0.11	0.056	0.065
	FR1 n26	20M	BPSK	50	28	Left Tilted	0mm	Ant 0	DSI 2	166300	831.5	23.30	24.00	1.175			-0.15	0.058	0.068
	FR1 n26	20M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	166300	831.5	23.33	24.00	1.167			0.00	0.142	0.166
24	FR1 n26	20M	BPSK	50	28	Right Cheek	0mm	Ant 1	DSI 2	166300	831.5	23.29	24.00	1.178			0.04	0.158	0.186
	FR1 n26	20M	BPSK	1	1	Right Tilted	0mm	Ant 1	DSI 2	166300	831.5	23.33	24.00	1.167			-0.06	0.001	0.001
	FR1 n26	20M	BPSK	50	28	Right Tilted	0mm	Ant 1	DSI 2	166300	831.5	23.29	24.00	1.178			-0.05	0.001	0.001
	FR1 n26	20M	BPSK	1	1	Left Cheek	0mm	Ant 1	DSI 2	166300	831.5	23.33	24.00	1.167			-0.07	0.062	0.072
	FR1 n26	20M	BPSK	50	28	Left Cheek	0mm	Ant 1	DSI 2	166300	831.5	23.29	24.00	1.178			0.03	0.073	0.086
	FR1 n26	20M	BPSK	1	1	Left Tilted	0mm	Ant 1	DSI 2	166300	831.5	23.33	24.00	1.167			-0.14	0.001	0.001
	FR1 n26	20M	BPSK	50	28	Left Tilted	0mm	Ant 1	DSI 2	166300	831.5	23.29	24.00	1.178			-0.13	0.001	0.001
	FR1 n30	10M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	462000	2310	19.45	20.20	1.189			-0.05	0.830	0.987
	FR1 n30	10M	BPSK	25	14	Right Cheek	0mm	Ant 3	DSI 2	462000	2310	19.43	20.20	1.194			-0.16	0.810	0.967
	FR1 n30	10M	BPSK	50	0	Right Cheek	0mm	Ant 3	DSI 2	462000	2310	19.41	20.20	1.199			0.14	0.785	0.941
	FR1 n30	10M	BPSK	1	1	Right Tilted	0mm	Ant 3	DSI 2	462000	2310	19.45	20.20	1.189			0.06	0.992	1.179
	FR1 n30	10M	BPSK	25	14	Right Tilted	0mm	Ant 3	DSI 2	462000	2310	19.43	20.20	1.194			0.18	0.972	1.161
	FR1 n30	10M	BPSK	50	0	Right Tilted	0mm	Ant 3	DSI 2	462000	2310	19.41	20.20	1.199			0.05	0.962	1.153
	FR1 n30	10M	BPSK	1	1	Left Cheek	0mm	Ant 3	DSI 2	462000	2310	19.45	20.20	1.189			0.13	0.893	1.062
	FR1 n30	10M	BPSK	25	14	Left Cheek	0mm	Ant 3	DSI 2	462000	2310	19.43	20.20	1.194			-0.06	0.864	1.032
	FR1 n30	10M	BPSK	50	0	Left Cheek	0mm	Ant 3	DSI 2	462000	2310	19.41	20.20	1.199			0.01	0.889	1.066
25	FR1 n30	10M	BPSK	1	1	Left Tilted	0mm	Ant 3	DSI 2	462000	2310	19.45	20.20	1.189			0.05	1.080	1.284
	FR1 n30	10M	BPSK	25	14	Left Tilted	0mm	Ant 3	DSI 2	462000	2310	19.43	20.20	1.194			0.19	1.010	1.206
	FR1 n30	10M	BPSK	50	0	Left Tilted	0mm	Ant 3	DSI 2	462000	2310	19.41	20.20	1.199			0.08	0.967	1.159
	FR1 n30	10M	BPSK	1	1	Right Cheek	0mm	Ant 2	DSI 2	462000	2310	23.06	24.00	1.242			0.03	0.001	0.001
	FR1 n30	10M	BPSK	25	14	Right Cheek	0mm	Ant 2	DSI 2	462000	2310	23.04	24.00	1.247			0.06	0.001	0.001
	FR1 n30	10M	BPSK	1	1	Right Tilted	0mm	Ant 2	DSI 2	462000	2310	23.06	24.00	1.242			0.07	0.001	0.001
	FR1 n30	10M	BPSK	25	14	Right Tilted	0mm	Ant 2	DSI 2	462000	2310	23.04	24.00	1.247			0.02	0.001	0.001
	FR1 n30	10M	BPSK	1	1	Left Cheek	0mm	Ant 2	DSI 2	462000	2310	23.06	24.00	1.242			0.08	0.039	0.048



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	FR1 n30	10M	BPSK	25	14	Left Cheek	0mm	Ant 2	DSI 2	462000	2310	23.04	24.00	1.247			0.05	0.001	0.001
	FR1 n30	10M	BPSK	1	1	Left Tilted	0mm	Ant 2	DSI 2	462000	2310	23.06	24.00	1.242			0.01	0.001	0.001
	FR1 n30	10M	BPSK	25	14	Left Tilted	0mm	Ant 2	DSI 2	462000	2310	23.04	24.00	1.247			0.09	0.001	0.001
	FR1 n30	10M	BPSK	1	1	Right Cheek	0mm	Ant 4	DSI 2	462000	2310	22.25	23.00	1.189			0.19	0.099	0.118
	FR1 n30	10M	BPSK	25	14	Right Cheek	0mm	Ant 4	DSI 2	462000	2310	22.22	23.00	1.197			0.17	0.089	0.107
	FR1 n30	10M	BPSK	1	1	Right Tilted	0mm	Ant 4	DSI 2	462000	2310	22.25	23.00	1.189			0.12	0.099	0.118
	FR1 n30	10M	BPSK	25	14	Right Tilted	0mm	Ant 4	DSI 2	462000	2310	22.22	23.00	1.197			0.14	0.089	0.107
	FR1 n30	10M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	462000	2310	22.25	23.00	1.189			0.04	0.285	0.339
	FR1 n30	10M	BPSK	25	14	Left Cheek	0mm	Ant 4	DSI 2	462000	2310	22.22	23.00	1.197			-0.05	0.266	0.318
	FR1 n30	10M	BPSK	1	1	Left Tilted	0mm	Ant 4	DSI 2	462000	2310	22.25	23.00	1.189			0.03	0.091	0.108
	FR1 n30	10M	BPSK	25	14	Left Tilted	0mm	Ant 4	DSI 2	462000	2310	22.22	23.00	1.197			-0.08	0.086	0.103
	FR1 n30	10M	BPSK	1	1	Right Cheek	0mm	Ant 0	DSI 2	462000	2310	22.36	24.00	1.459			-0.00	0.060	0.088
	FR1 n30	10M	BPSK	25	14	Right Cheek	0mm	Ant 0	DSI 2	462000	2310	22.34	24.00	1.466			0.07	0.065	0.095
	FR1 n30	10M	BPSK	1	1	Right Tilted	0mm	Ant 0	DSI 2	462000	2310	22.36	24.00	1.459			-0.02	0.001	0.001
	FR1 n30	10M	BPSK	25	14	Right Tilted	0mm	Ant 0	DSI 2	462000	2310	22.34	24.00	1.466			-0.16	0.001	0.001
	FR1 n30	10M	BPSK	1	1	Left Cheek	0mm	Ant 0	DSI 2	462000	2310	22.36	24.00	1.459			-0.07	0.052	0.076
	FR1 n30	10M	BPSK	25	14	Left Cheek	0mm	Ant 0	DSI 2	462000	2310	22.34	24.00	1.466			0.03	0.057	0.084
	FR1 n30	10M	BPSK	1	1	Left Tilted	0mm	Ant 0	DSI 2	462000	2310	22.36	24.00	1.459			-0.13	0.053	0.077
	FR1 n30	10M	BPSK	25	14	Left Tilted	0mm	Ant 0	DSI 2	462000	2310	22.34	24.00	1.466			0.10	0.055	0.081
	FR1 n66	45M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	349000	1745	22.05	23.20	1.303			-0.04	0.529	0.689
	FR1 n66	45M	BPSK	120	60	Right Cheek	0mm	Ant 3	DSI 2	349000	1745	22.01	23.20	1.315			0.06	0.758	0.997
	FR1 n66	45M	BPSK	240	0	Right Cheek	0mm	Ant 3	DSI 2	349000	1745	21.98	22.70	1.18			-0.12	0.764	0.902
	FR1 n66	45M	BPSK	1	1	Right Tilted	0mm	Ant 3	DSI 2	349000	1745	22.05	23.20	1.303			0.02	0.684	0.891
	FR1 n66	45M	BPSK	120	60	Right Tilted	0mm	Ant 3	DSI 2	349000	1745	22.01	23.20	1.315			-0.02	0.866	1.139
26	FR1 n66	45M	BPSK	240	0	Right Tilted	0mm	Ant 3	DSI 2	349000	1745	21.98	22.70	1.18			-0.06	0.976	1.152
	FR1 n66	45M	BPSK	1	1	Left Cheek	0mm	Ant 3	DSI 2	349000	1745	22.05	23.20	1.303			-0.17	0.561	0.731
	FR1 n66	45M	BPSK	120	60	Left Cheek	0mm	Ant 3	DSI 2	349000	1745	22.01	23.20	1.315			-0.02	0.816	1.073
	FR1 n66	45M	BPSK	240	0	Left Cheek	0mm	Ant 3	DSI 2	349000	1745	21.98	22.70	1.18			-0.00	0.756	0.892
	FR1 n66	45M	BPSK	1	1	Left Tilted	0mm	Ant 3	DSI 2	349000	1745	22.05	23.20	1.303			0.05	0.672	0.876
	FR1 n66	45M	BPSK	120	60	Left Tilted	0mm	Ant 3	DSI 2	349000	1745	22.01	23.20	1.315			-0.17	0.817	1.074
	FR1 n66	45M	BPSK	240	0	Left Tilted	0mm	Ant 3	DSI 2	349000	1745	21.98	22.70	1.18			-0.04	0.766	0.904
	FR1 n66	45M	BPSK	1	1	Right Cheek	0mm	Ant 2	DSI 2	349000	1745	22.99	24.00	1.262			0.06	0.046	0.058
	FR1 n66	45M	BPSK	120	60	Right Cheek	0mm	Ant 2	DSI 2	349000	1745	22.95	24.00	1.274			0.08	0.046	0.059
	FR1 n66	45M	BPSK	1	1	Right Tilted	0mm	Ant 2	DSI 2	349000	1745	22.99	24.00	1.262			0.05	0.001	0.001
	FR1 n66	45M	BPSK	120	60	Right Tilted	0mm	Ant 2	DSI 2	349000	1745	22.95	24.00	1.274			0.07	0.001	0.001
	FR1 n66	45M	BPSK	1	1	Left Cheek	0mm	Ant 2	DSI 2	349000	1745	22.99	24.00	1.262			0.09	0.050	0.063
	FR1 n66	45M	BPSK	120	60	Left Cheek	0mm	Ant 2	DSI 2	349000	1745	22.95	24.00	1.274			0.04	0.001	0.001
	FR1 n66	45M	BPSK	1	1	Left Tilted	0mm	Ant 2	DSI 2	349000	1745	22.99	24.00	1.262			0.07	0.001	0.001
	FR1 n66	45M	BPSK	120	60	Left Tilted	0mm	Ant 2	DSI 2	349000	1745	22.95	24.00	1.274			0.01	0.001	0.001
	FR1 n70	15M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	340500	1702.5	23.61	24.00	1.094			-0.09	0.562	0.615
	FR1 n70	15M	BPSK	36	22	Right Cheek	0mm	Ant 3	DSI 2	340500	1702.5	23.51	24.00	1.119			-0.04	0.724	0.810
	FR1 n70	15M	BPSK	75	0	Right Cheek	0mm	Ant 3	DSI 2	340500	1702.5	23.45	24.00	1.135			0.19	0.686	0.779
	FR1 n70	15M	BPSK	1	1	Right Tilted	0mm	Ant 3	DSI 2	340500	1702.5	23.61	24.00	1.094			-0.16	0.835	0.913
	FR1 n70	15M	BPSK	36	22	Right Tilted	0mm	Ant 3	DSI 2	340500	1702.5	23.51	24.00	1.119			0.06	0.830	0.929
	FR1 n70	15M	BPSK	75	0	Right Tilted	0mm	Ant 3	DSI 2	340500	1702.5	23.45	24.00	1.135			0.01	0.779	0.884
	FR1 n70	15M	BPSK	1	1	Left Cheek	0mm	Ant 3	DSI 2	340500	1702.5	23.61	24.00	1.094			0.02	0.488	0.534
	FR1 n70	15M	BPSK	36	22	Left Cheek	0mm	Ant 3	DSI 2	340500	1702.5	23.51	24.00	1.119			0.16	0.623	0.697
	FR1 n70	15M	BPSK	1	1	Left Tilted	0mm	Ant 3	DSI 2	340500	1702.5	23.61	24.00	1.094			0.05	0.663	0.725
	FR1 n70	15M	BPSK	36	22	Left Tilted	0mm	Ant 3	DSI 2	340500	1702.5	23.51	24.00	1.119			-0.07	0.692	0.774
	FR1 n70	15M	BPSK	1	1	Right Cheek	0mm	Ant 2	DSI 2	340500	1702.5	23.26	24.00	1.186			0.00	0.001	0.001
	FR1 n70	15M	BPSK	36	22	Right Cheek	0mm	Ant 2	DSI 2	340500	1702.5	23.18	24.00	1.208			0.00	0.001	0.001
	FR1 n70	15M	BPSK	1	1	Right Tilted	0mm	Ant 2	DSI 2	340500	1702.5	23.26	24.00	1.186			0.00	0.001	0.001
	FR1 n70	15M	BPSK	36	22	Right Tilted	0mm	Ant 2	DSI 2	340500	1702.5	23.18	24.00	1.208			0.00	0.001	0.001
	FR1 n70	15M	BPSK	1	1	Left Cheek	0mm	Ant 2	DSI 2	340500	1702.5	23.26	24.00	1.186			0.01	0.009	0.011
	FR1 n70	15M	BPSK	36	22	Left Cheek	0mm	Ant 2	DSI 2	340500	1702.5	23.18	24.00	1.208			0.00	0.001	0.001
	FR1 n70	15M	BPSK	1	1	Left Tilted	0mm	Ant 2	DSI 2	340500	1702.5	23.26	24.00	1.186			0.00	0.001	0.001
	FR1 n70	15M	BPSK	36	22	Left Tilted	0mm	Ant 2	DSI 2	340500	1702.5	23.18	24.00	1.208			0.00	0.001	0.001
	FR1 n71	35M	BPSK	1	1	Right Cheek	0mm	Ant 0	DSI 2	136100	680.5	23.43	24.00	1.14			0.14	0.093	0.106
	FR1 n71	35M	BPSK	90	45	Right Cheek	0mm	Ant 0	DSI 2	136100	680.5	23.41	24.00	1.146			0.07	0.096	0.110
	FR1 n71	35M	BPSK	1	1	Right Tilted	0mm	Ant 0	DSI 2	136100	680.5	23.43	24.00	1.14			-0.09	0.053	0.060
	FR1 n71	35M	BPSK	90	45	Right Tilted	0mm	Ant 0	DSI 2	136100	680.5	23.41	24.00	1.146			0.14	0.058	0.066
	FR1 n71	35M	BPSK	1	1	Left Cheek	0mm	Ant 0	DSI 2	136100	680.5	23.43	24.00	1.14			-0.07	0.072	0.082
	FR1 n71	35M	BPSK	90	45	Left Cheek	0mm	Ant 0	DSI 2	136100	680.5	23.41	24.00	1.146			0.06	0.068	0.078
	FR1 n71	35M	BPSK	1	1	Left Tilted	0mm	Ant 0	DSI 2	136100	680.5	23.43	24.00	1.14			-0.07	0.043	0.049
	FR1 n71	35M	BPSK	90	45	Left Tilted	0mm	Ant 0	DSI 2	136100	680.5	23.41	24.00	1.146			-0.04	0.001	0.001
	FR1 n71	35M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI 2	136100	680.5	23.27	24.00	1.183			0.11	0.085	0.101
28	FR1 n71	35M	BPSK	90	45	Right Cheek	0mm	Ant 1	DSI 2	136100	680.5	23.24	24.00	1.191			0.19	0.128	0.152
	FR1 n71	35M	BPSK	1	1	Right Tilted	0mm	Ant 1	DSI 2	136100	680.5	23.27	24.00	1.183			-0.18	0.001	0.001
	FR1 n71	35M	BPSK	90	45	Right Tilted	0mm	Ant 1	DSI 2	136100	680.5	23.24	24.00	1.191			0.08	0.001	0.001
	FR1 n71	35M	BPSK	1	1	Left Cheek	0mm	Ant 1	DSI 2	136100	680.5	23.27	24.00	1.183			0.06	0.039	0.046
	FR1 n71	35M	BPSK	90	45	Left Cheek	0mm	Ant 1	DSI 2	136100	680.5	23.24	24.00	1.191			0.00	0.063	0.075
	FR1 n71	35M	BPSK	1	1	Left Tilted	0mm	Ant 1	DSI 2	136100	680.5	23.27	24.00	1.183			-0.16	0.001	0.001
	FR1 n71	35M	BPSK	90	45	Left Tilted	0mm	Ant 1	DSI 2	136100	680.5	23.24	24.00	1.191			-0.11	0.001	0.001



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	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 3	DSI 2	518598	2592.99	15.60	16.40	1.202			0.02	0.841	1.011
	FR1 n41	100M	BPSK	135	69	Right Cheek	0mm	Ant 3	DSI 2	518598	2592.99	15.58	16.40	1.208			-0.11	0.845	1.021
	FR1 n41	100M	BPSK	270	0	Right Cheek	0mm	Ant 3	DSI 2	518598	2592.99	15.53	16.40	1.222			0.16	0.813	0.993
	FR1 n41	100M	BPSK	1	1	Right Tilted	0mm	Ant 3	DSI 2	518598	2592.99	15.60	16.40	1.202			-0.07	0.983	1.182
	FR1 n41	100M	BPSK	135	69	Right Tilted	0mm	Ant 3	DSI 2	518598	2592.99	15.58	16.40	1.208			-0.08	0.964	1.165
29	FR1 n41	100M	BPSK	270	0	Right Tilted	0mm	Ant 3	DSI 2	518598	2592.99	15.53	16.40	1.222			-0.09	1.040	1.271
	FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 3	DSI 2	518598	2592.99	15.60	16.40	1.202			0.05	0.834	1.002
	FR1 n41	100M	BPSK	135	69	Left Cheek	0mm	Ant 3	DSI 2	518598	2592.99	15.58	16.40	1.208			0.03	0.827	0.999
	FR1 n41	100M	BPSK	270	0	Left Cheek	0mm	Ant 3	DSI 2	518598	2592.99	15.53	16.40	1.222			-0.05	0.829	1.013
	FR1 n41	100M	BPSK	1	1	Left Tilted	0mm	Ant 3	DSI 2	518598	2592.99	15.60	16.40	1.202			-0.18	0.939	1.129
	FR1 n41	100M	BPSK	135	69	Left Tilted	0mm	Ant 3	DSI 2	518598	2592.99	15.58	16.40	1.208			-0.12	0.980	1.184
	FR1 n41	100M	BPSK	270	0	Left Tilted	0mm	Ant 3	DSI 2	518598	2592.99	15.53	16.40	1.222			-0.00	0.946	1.156
	FR1 n41_HPUE	100M	BPSK	270	0	Right Tilted	0mm	Ant 3	DSI 2	518598	2592.99	18.41	19.40	1.256	50.0	1.0	-0.03	0.984	1.236
	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 2	DSI 2	518598	2592.99	23.21	24.00	1.199			0.07	0.057	0.068
	FR1 n41	100M	BPSK	135	69	Right Cheek	0mm	Ant 2	DSI 2	518598	2592.99	23.19	24.00	1.205			0.09	0.069	0.083
	FR1 n41	100M	BPSK	1	1	Right Tilted	0mm	Ant 2	DSI 2	518598	2592.99	23.21	24.00	1.199			0.05	0.051	0.061
	FR1 n41	100M	BPSK	135	69	Right Tilted	0mm	Ant 2	DSI 2	518598	2592.99	23.19	24.00	1.205			0.01	0.056	0.067
	FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 2	DSI 2	518598	2592.99	23.21	24.00	1.199			0.07	0.078	0.094
	FR1 n41	100M	BPSK	135	69	Left Cheek	0mm	Ant 2	DSI 2	518598	2592.99	23.19	24.00	1.205			0.09	0.072	0.087
	FR1 n41	100M	BPSK	1	1	Left Tilted	0mm	Ant 2	DSI 2	518598	2592.99	23.21	24.00	1.199			0.07	0.048	0.058
	FR1 n41	100M	BPSK	135	69	Left Tilted	0mm	Ant 2	DSI 2	518598	2592.99	23.19	24.00	1.205			0.01	0.056	0.067
	FR1 n41_HPUE	100M	BPSK	1	1	Left Cheek	0mm	Ant 2	DSI 2	518598	2592.99	26.35	27.00	1.161	50.0	1.0	0.18	0.086	0.100
	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 4	DSI 2	518598	2592.99	22.18	23.00	1.208			0.09	0.269	0.325
	FR1 n41	100M	BPSK	135	69	Right Cheek	0mm	Ant 4	DSI 2	518598	2592.99	22.15	23.00	1.216			0.02	0.071	0.086
	FR1 n41	100M	BPSK	1	1	Right Tilted	0mm	Ant 4	DSI 2	518598	2592.99	22.18	23.00	1.208			-0.08	0.229	0.277
	FR1 n41	100M	BPSK	135	69	Right Tilted	0mm	Ant 4	DSI 2	518598	2592.99	22.15	23.00	1.216			0.02	0.064	0.078
	FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	518598	2592.99	22.18	23.00	1.208			0.06	0.191	0.231
	FR1 n41	100M	BPSK	135	69	Left Cheek	0mm	Ant 4	DSI 2	518598	2592.99	22.15	23.00	1.216			0.11	0.165	0.201
	FR1 n41	100M	BPSK	1	1	Left Tilted	0mm	Ant 4	DSI 2	518598	2592.99	22.18	23.00	1.208			-0.10	0.216	0.261
	FR1 n41	100M	BPSK	135	69	Left Tilted	0mm	Ant 4	DSI 2	518598	2592.99	22.15	23.00	1.216			0.09	0.066	0.080
	FR1 n41_HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 4	DSI 2	518598	2592.99	25.02	26.00	1.253	50.0	1.0	0.10	0.277	0.347
	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 0	DSI 2	518598	2592.99	22.71	24.00	1.346			-0.13	0.149	0.201
	FR1 n41	100M	BPSK	135	69	Right Cheek	0mm	Ant 0	DSI 2	518598	2592.99	22.69	24.00	1.352			-0.02	0.130	0.176
	FR1 n41	100M	BPSK	1	1	Right Tilted	0mm	Ant 0	DSI 2	518598	2592.99	22.71	24.00	1.346			0.10	0.051	0.069
	FR1 n41	100M	BPSK	135	69	Right Tilted	0mm	Ant 0	DSI 2	518598	2592.99	22.69	24.00	1.352			0.01	0.052	0.070
	FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 0	DSI 2	518598	2592.99	22.71	24.00	1.346			0.07	0.077	0.104
	FR1 n41	100M	BPSK	135	69	Left Cheek	0mm	Ant 0	DSI 2	518598	2592.99	22.69	24.00	1.352			0.11	0.069	0.093
	FR1 n41	100M	BPSK	1	1	Left Tilted	0mm	Ant 0	DSI 2	518598	2592.99	22.71	24.00	1.346			-0.07	0.089	0.120
	FR1 n41	100M	BPSK	135	69	Left Tilted	0mm	Ant 0	DSI 2	518598	2592.99	22.69	24.00	1.352			-0.14	0.084	0.114
	FR1 n41_HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 0	DSI 2	518598	2592.99	25.76	27.00	1.33	50.0	1.0	-0.01	0.158	0.210
	FR1 n41_HPUE Sample 2	100M	BPSK	1	1	Right Cheek	0mm	Ant 0	DSI 2	518598	2592.99	25.76	27	1.330	50	1.000	-0.02	0.151	0.201
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 2	DSI 2	641666	3624.99	22.75	24.00	1.334			-0.07	0.010	0.013
	FR1 n48	40M	BPSK	50	28	Right Cheek	0mm	Ant 2	DSI 2	641666	3624.99	22.71	24.00	1.346			-0.00	0.032	0.043
	FR1 n48	40M	BPSK	1	1	Right Tilted	0mm	Ant 2	DSI 2	641666	3624.99	22.75	24.00	1.334			-0.19	0.010	0.013
	FR1 n48	40M	BPSK	50	28	Right Tilted	0mm	Ant 2	DSI 2	641666	3624.99	22.71	24.00	1.346			0.16	0.031	0.042
	FR1 n48	40M	BPSK	1	1	Left Cheek	0mm	Ant 2	DSI 2	641666	3624.99	22.75	24.00	1.334			0.09	0.043	0.057
	FR1 n48	40M	BPSK	50	28	Left Cheek	0mm	Ant 2	DSI 2	641666	3624.99	22.71	24.00	1.346			0.01	0.056	0.075
	FR1 n48	40M	BPSK	1	1	Left Tilted	0mm	Ant 2	DSI 2	641666	3624.99	22.75	24.00	1.334			-0.17	0.041	0.055
	FR1 n48	40M	BPSK	50	28	Left Tilted	0mm	Ant 2	DSI 2	641666	3624.99	22.71	24.00	1.346			0.17	0.033	0.044
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 4	DSI 2	641666	3624.99	23.21	24.00	1.199			0.16	0.085	0.102
	FR1 n48	40M	BPSK	50	28	Right Cheek	0mm	Ant 4	DSI 2	641666	3624.99	23.19	24.00	1.205			0.01	0.078	0.094
	FR1 n48	40M	BPSK	1	1	Right Tilted	0mm	Ant 4	DSI 2	641666	3624.99	23.21	24.00	1.199			0.11	0.038	0.046
	FR1 n48	40M	BPSK	50	28	Right Tilted	0mm	Ant 4	DSI 2	641666	3624.99	23.19	24.00	1.205			-0.13	0.037	0.045
	FR1 n48	40M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	641666	3624.99	23.21	24.00	1.199			0.03	0.228	0.273
	FR1 n48	40M	BPSK	50	28	Left Cheek	0mm	Ant 4	DSI 2	641666	3624.99	23.19	24.00	1.205			0.14	0.216	0.260
	FR1 n48	40M	BPSK	1	1	Left Tilted	0mm	Ant 4	DSI 2	641666	3624.99	23.21	24.00	1.199			-0.16	0.073	0.088
	FR1 n48	40M	BPSK	50	28	Left Tilted	0mm	Ant 4	DSI 2	641666	3624.99	23.19	24.00	1.205			0.10	0.071	0.086
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 6	DSI 2	641666	3624.99	23.43	24.00	1.14			-0.09	0.264	0.301
	FR1 n48	40M	BPSK	50	28	Right Cheek	0mm	Ant 6	DSI 2	641666	3624.99	23.40	24.00	1.148			-0.04	0.270	0.310
	FR1 n48	40M	BPSK	1	1	Right Tilted	0mm	Ant 6	DSI 2	641666	3624.99	23.43	24.00	1.14			0.13	0.370	0.422
	FR1 n48	40M	BPSK	50	28	Right Tilted	0mm	Ant 6	DSI 2	641666	3624.99	23.40	24.00	1.148			-0.15	0.336	0.386
	FR1 n48	40M	BPSK	1	1	Left Cheek	0mm	Ant 6	DSI 2	641666	3624.99	23.43	24.00	1.14			-0.09	0.407	0.464
	FR1 n48	40M	BPSK	50	28	Left Cheek	0mm	Ant 6	DSI 2	641666	3624.99	23.40	24.00	1.148			0.14	0.395	0.453
	FR1 n48	40M	BPSK	1	1	Left Tilted	0mm	Ant 6	DSI 2	641666	3624.99	23.43	24.00	1.14			-0.05	0.513	0.585
	FR1 n48	40M	BPSK	50	28	Left Tilted	0mm	Ant 6	DSI 2	641666	3624.99	23.40	24.00	1.148			0.01	0.491	0.564
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	641666	3624.99	23.15	23.80	1.161			-0.13	0.714	0.829
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	638000	3570	23.10	23.80	1.175			-0.10	0.655	0.770
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	645332	3679.98	23.13	23.80	1.167			0.15	0.831	0.970
	FR1 n48	40M	BPSK	50	28	Right Cheek	0mm	Ant 8	DSI 2	641666	3624.99	23.11	23.80	1.172			-0.03	0.727	0.852
	FR1 n48	40M	BPSK	50	28	Right Cheek	0mm	Ant 8	DSI 2	638000	3570	23.08	23.80	1.18			-0.17	0.710	0.838
	FR1 n48	40M	BPSK	50	28	Right Cheek	0mm	Ant 8	DSI 2	645332	3679.98	23.06	23.80	1.186			0.16	0.874	1.037
	FR1 n48	40M	BPSK	100	0	Right Cheek	0mm	Ant 8	DSI 2	641666	3624.99	23.04	23.80	1.191			0.02	0.794	0.946
	FR																		



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30	FR1 n48	40M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2	638000	3570	23.10	23.80	1.175			0.03	0.830	0.975
	FR1 n48	40M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2	645332	3679.98	23.13	23.80	1.167			0.03	1.020	1.190
	FR1 n48	40M	BPSK	50	28	Right Tilted	0mm	Ant 8	DSI 2	641666	3624.99	23.11	23.80	1.172			0.03	0.896	1.050
	FR1 n48	40M	BPSK	50	28	Right Tilted	0mm	Ant 8	DSI 2	638000	3570	23.08	23.80	1.18			0.09	0.846	0.998
	FR1 n48	40M	BPSK	50	28	Right Tilted	0mm	Ant 8	DSI 2	645332	3679.98	23.06	23.80	1.186			-0.07	1.070	1.269
	FR1 n48	40M	BPSK	100	0	Right Tilted	0mm	Ant 8	DSI 2	641666	3624.99	23.04	23.80	1.191			-0.12	0.934	1.112
	FR1 n48	40M	BPSK	1	1	Left Cheek	0mm	Ant 8	DSI 2	641666	3624.99	23.15	23.80	1.161			-0.00	0.435	0.505
	FR1 n48	40M	BPSK	50	28	Left Cheek	0mm	Ant 8	DSI 2	641666	3624.99	23.11	23.80	1.172			-0.15	0.496	0.581
	FR1 n48	40M	BPSK	1	1	Left Tilted	0mm	Ant 8	DSI 2	641666	3624.99	23.15	23.80	1.161			-0.15	0.576	0.669
	FR1 n48	40M	BPSK	1	1	Left Tilted	0mm	Ant 8	DSI 2	638000	3570	23.10	23.80	1.175			-0.16	0.526	0.618
	FR1 n48	40M	BPSK	1	1	Left Tilted	0mm	Ant 8	DSI 2	645332	3679.98	23.13	23.80	1.167			0.05	0.680	0.794
	FR1 n48	40M	BPSK	50	28	Left Tilted	0mm	Ant 8	DSI 2	641666	3624.99	23.11	23.80	1.172			0.10	0.622	0.729
	FR1 n48	40M	BPSK	50	28	Left Tilted	0mm	Ant 8	DSI 2	638000	3570	23.08	23.80	1.18			-0.11	0.553	0.653
	FR1 n48	40M	BPSK	50	28	Left Tilted	0mm	Ant 8	DSI 2	645332	3679.98	23.06	23.80	1.186			0.06	0.692	0.821
	FR1 n48	40M	BPSK	100	0	Left Tilted	0mm	Ant 8	DSI 2	641666	3624.99	23.04	23.80	1.191			-0.01	0.582	0.693
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 2	DSI 2	633332	3499.98	22.66	24.00	1.361			0.17	0.028	0.038
	FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 2	DSI 2	633332	3499.98	22.64	24.00	1.368			-0.08	0.040	0.055
	FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 2	DSI 2	633332	3499.98	22.66	24.00	1.361			-0.03	0.035	0.048
	FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 2	DSI 2	633332	3499.98	22.64	24.00	1.368			-0.17	0.055	0.075
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 2	DSI 2	633332	3499.98	22.66	24.00	1.361			0.02	0.075	0.102	
FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 2	DSI 2	633332	3499.98	22.64	24.00	1.368			0.16	0.049	0.067	
FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 2	DSI 2	633332	3499.98	22.66	24.00	1.361			0.15	0.001	0.001	
FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 2	DSI 2	633332	3499.98	22.64	24.00	1.368			-0.06	0.030	0.041	
FR1 n77_HPUE	100M	BPSK	1	1	Left Cheek	0mm	Ant 2	DSI 2	633332	3499.98	25.63	27.00	1.371	50.0	1.0	0.01	0.079	0.108	
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 4	DSI 2	633332	3499.98	23.23	24.00	1.194			-0.01	0.049	0.059	
FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 4	DSI 2	633332	3499.98	23.20	24.00	1.202			0.08	0.049	0.059	
FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 4	DSI 2	633332	3499.98	23.23	24.00	1.194			0.16	0.001	0.001	
FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 4	DSI 2	633332	3499.98	23.20	24.00	1.202			-0.07	0.001	0.001	
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	633332	3499.98	23.23	24.00	1.194			0.03	0.125	0.149	
FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 4	DSI 2	633332	3499.98	23.20	24.00	1.202			-0.16	0.112	0.135	
FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 4	DSI 2	633332	3499.98	23.23	24.00	1.194			-0.11	0.058	0.069	
FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 4	DSI 2	633332	3499.98	23.20	24.00	1.202			-0.15	0.040	0.048	
FR1 n77_HPUE	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	633332	3499.98	26.23	27.00	1.194	50.0	1.0	0.06	0.121	0.144	
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 6	DSI 2	633332	3499.98	23.34	24.00	1.164			0.11	0.634	0.738	
FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 6	DSI 2	633332	3499.98	23.24	24.00	1.191			-0.06	0.577	0.687	
FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 6	DSI 2	633332	3499.98	23.34	24.00	1.164			0.08	0.703	0.818	
FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 6	DSI 2	633332	3499.98	23.24	24.00	1.191			0.06	0.651	0.775	
FR1 n77	100M	BPSK	270	0	Right Tilted	0mm	Ant 6	DSI 2	633332	3499.98	23.09	24.00	1.233			0.04	0.840	1.036	
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 6	DSI 2	633332	3499.98	23.34	24.00	1.164			0.12	0.907	1.056	
FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 6	DSI 2	633332	3499.98	23.24	24.00	1.191			-0.17	0.874	1.041	
FR1 n77	100M	BPSK	270	0	Left Cheek	0mm	Ant 6	DSI 2	633332	3499.98	23.09	24.00	1.233			-0.12	0.853	1.052	
FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 6	DSI 2	633332	3499.98	23.34	24.00	1.164			0.03	1.040	1.211	
FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 6	DSI 2	633332	3499.98	23.24	24.00	1.191			0.11	0.854	1.017	
FR1 n77	100M	BPSK	270	0	Left Tilted	0mm	Ant 6	DSI 2	633332	3499.98	23.09	24.00	1.233			-0.16	0.823	1.015	
FR1 n77_HPUE	100M	BPSK	1	1	Left Tilted	0mm	Ant 6	DSI 2	633332	3499.98	26.36	27.00	1.159	50.0	1.0	0.07	1.010	1.171	
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	633332	3499.98	20.92	21.70	1.197			-0.12	0.945	1.131	
FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 8	DSI 2	633332	3499.98	20.88	21.70	1.208			0.06	0.976	1.179	
FR1 n77	100M	BPSK	270	0	Right Cheek	0mm	Ant 8	DSI 2	633332	3499.98	20.84	21.70	1.219			-0.11	0.906	1.104	
FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2	633332	3499.98	20.92	21.70	1.197			0.15	1.060	1.269	
FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 8	DSI 2	633332	3499.98	20.88	21.70	1.208			-0.05	0.937	1.132	
FR1 n77	100M	BPSK	270	0	Right Tilted	0mm	Ant 8	DSI 2	633332	3499.98	20.84	21.70	1.219			-0.05	0.933	1.137	
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 8	DSI 2	633332	3499.98	20.92	21.70	1.197			-0.17	0.636	0.761	
FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 8	DSI 2	633332	3499.98	20.88	21.70	1.208			0.16	0.750	0.906	
FR1 n77	100M	BPSK	270	0	Left Cheek	0mm	Ant 8	DSI 2	633332	3499.98	20.84	21.70	1.219			0.15	0.720	0.878	
FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 8	DSI 2	633332	3499.98	20.92	21.70	1.197			0.09	0.756	0.905	
FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 8	DSI 2	633332	3499.98	20.88	21.70	1.208			-0.14	0.707	0.854	
FR1 n77	100M	BPSK	270	0	Left Tilted	0mm	Ant 8	DSI 2	633332	3499.98	20.84	21.70	1.219			0.18	0.727	0.886	
FR1 n77_HPUE	100M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2	633332	3499.98	23.92	24.70	1.197	50.0	1.0	0.01	1.010	1.209	
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 2	DSI 2	656000	3840	22.87	24.00	1.297			-0.06	0.030	0.039	
FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 2	DSI 2	656000	3840	22.84	24.00	1.306			-0.06	0.001	0.001	
FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 2	DSI 2	656000	3840	22.87	24.00	1.297			-0.15	0.044	0.057	
FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 2	DSI 2	656000	3840	22.84	24.00	1.306			0.15	0.001	0.001	
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 2	DSI											



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FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 4	DSI 2	656000	3840	23.52	24.00	1.117			-0.00	0.103	0.115
FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 4	DSI 2	656000	3840	23.48	24.00	1.127			0.17	0.102	0.115
FR1 n77_HPUE	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI 2	656000	3840	26.44	27.00	1.138	50.0	1.0	0.01	0.274	0.312
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 6	DSI 2	656000	3840	23.40	24.00	1.148			0.15	0.513	0.589
FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 6	DSI 2	656000	3840	23.34	24.00	1.164			0.06	0.543	0.632
FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 6	DSI 2	656000	3840	23.40	24.00	1.148			0.17	0.605	0.695
FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 6	DSI 2	656000	3840	23.34	24.00	1.164			-0.01	0.678	0.789
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 6	DSI 2	656000	3840	23.40	24.00	1.148			-0.12	0.605	0.695
FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 6	DSI 2	656000	3840	23.34	24.00	1.164			-0.08	0.788	0.917
FR1 n77	100M	BPSK	270	0	Left Cheek	0mm	Ant 6	DSI 2	656000	3840	23.32	24.00	1.169			-0.18	0.776	0.907
FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 6	DSI 2	656000	3840	23.40	24.00	1.148			0.07	0.807	0.926
FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 6	DSI 2	656000	3840	23.34	24.00	1.164			-0.11	0.774	0.901
FR1 n77	100M	BPSK	270	0	Left Tilted	0mm	Ant 6	DSI 2	656000	3840	23.32	24.00	1.169			-0.02	0.783	0.915
FR1 n77_HPUE	100M	BPSK	1	1	Left Tilted	0mm	Ant 6	DSI 2	656000	3840	26.46	27.00	1.132	50.0	1.0	-0.10	0.776	0.878
FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 8	DSI 2	656000	3840	20.80	21.70	1.23			0.14	0.534	0.657
FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 8	DSI 2	656000	3840	20.78	21.70	1.236			-0.17	0.505	0.624
FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2	656000	3840	20.80	21.70	1.23			-0.16	0.697	0.857
FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 8	DSI 2	656000	3840	20.78	21.70	1.236			-0.04	0.676	0.836
FR1 n77	100M	BPSK	270	0	Right Tilted	0mm	Ant 8	DSI 2	656000	3840	20.74	21.70	1.247			0.01	0.675	0.842
FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 8	DSI 2	656000	3840	20.80	21.70	1.23			0.05	0.321	0.395
FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 8	DSI 2	656000	3840	20.78	21.70	1.236			-0.13	0.332	0.410
FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 8	DSI 2	656000	3840	20.80	21.70	1.23			0.18	0.408	0.502
FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 8	DSI 2	656000	3840	20.78	21.70	1.236			0.04	0.412	0.509
FR1 n77_HPUE	100M	BPSK	1	1	Right Tilted	0mm	Ant 8	DSI 2	656000	3840	23.97	24.70	1.183	50.0	1.0	0.10	0.686	0.812

MIMO SAR

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n48 HPUE	40M	BPSK	1	1	Right Cheek	0mm	Ant 8+4	DSI 2	641666	3624.99	23.19	24	1.205	100	1.000	0.02	0.590	0.711
	FR1 n48 HPUE	40M	BPSK	50	28	Right Cheek	0mm	Ant 8+4	DSI 2	641666	3624.99	23.16	24	1.213	100	1.000	0.03	0.497	0.603
	FR1 n48 HPUE	40M	BPSK	1	1	Right Tilted	0mm	Ant 8+4	DSI 2	641666	3624.99	23.19	24	1.205	100	1.000	-0.11	0.744	0.897
	FR1 n48 HPUE	40M	BPSK	1	1	Right Tilted	0mm	Ant 8+4	DSI 2	638000	3570	23.15	24	1.216	100	1.000	0.19	0.617	0.75
	FR1 n48 HPUE	40M	BPSK	1	1	Right Tilted	0mm	Ant 8+4	DSI 2	645332	3679.98	23.18	24	1.209	100	1.000	-0.03	0.760	0.919
	FR1 n48 HPUE	40M	BPSK	50	28	Right Tilted	0mm	Ant 8+4	DSI 2	641666	3624.99	23.16	24	1.213	100	1.000	0.02	0.614	0.745
	FR1 n48 HPUE	40M	BPSK	100	0	Right Tilted	0mm	Ant 8+4	DSI 2	641666	3624.99	23.12	24	1.226	100	1.000	0.13	0.663	0.813
	FR1 n48 HPUE	40M	BPSK	1	1	Left Cheek	0mm	Ant 8+4	DSI 2	641666	3624.99	23.19	24	1.205	100	1.000	0.01	0.355	0.428
	FR1 n48 HPUE	40M	BPSK	50	28	Left Cheek	0mm	Ant 8+4	DSI 2	641666	3624.99	23.16	24	1.213	100	1.000	0.07	0.303	0.368
	FR1 n48 HPUE	40M	BPSK	1	1	Left Tilted	0mm	Ant 8+4	DSI 2	641666	3624.99	23.19	24	1.205	100	1.000	-0.01	0.461	0.556
	FR1 n48 HPUE	40M	BPSK	50	28	Left Tilted	0mm	Ant 8+4	DSI 2	641666	3624.99	23.16	24	1.213	100	1.000	0.17	0.401	0.486
	FR1 n48 HPUE	40M	BPSK	1	1	Right Cheek	0mm	Ant 8+6	DSI 2	641666	3624.99	23.30	24.00	1.174	100	1.000	-0.06	0.673	0.79
	FR1 n48 HPUE	40M	BPSK	50	28	Right Cheek	0mm	Ant 8+6	DSI 2	641666	3624.99	23.27	24.00	1.184	100	1.000	-0.17	0.592	0.701
	FR1 n48 HPUE	40M	BPSK	1	1	Right Tilted	0mm	Ant 8+6	DSI 2	641666	3624.99	23.30	24.00	1.174	100	1.000	0.09	0.890	1.045
	FR1 n48 HPUE	40M	BPSK	1	1	Right Tilted	0mm	Ant 8+6	DSI 2	638000	3570	23.25	24.00	1.189	100	1.000	0.05	0.860	1.023
	FR1 n48 HPUE	40M	BPSK	1	1	Right Tilted	0mm	Ant 8+6	DSI 2	645332	3679.98	23.25	24.00	1.188	100	1.000	0.14	0.910	1.081
	FR1 n48 HPUE	40M	BPSK	50	28	Right Tilted	0mm	Ant 8+6	DSI 2	641666	3624.99	23.27	24.00	1.184	100	1.000	0.02	0.774	0.916
	FR1 n48 HPUE	40M	BPSK	50	28	Right Tilted	0mm	Ant 8+6	DSI 2	638000	3570	23.23	24.00	1.194	100	1.000	0.18	0.900	1.075
	FR1 n48 HPUE	40M	BPSK	50	28	Right Tilted	0mm	Ant 8+6	DSI 2	645332	3679.98	23.21	24.00	1.200	100	1.000	-0.18	0.820	0.984
	FR1 n48 HPUE	40M	BPSK	100	0	Right Tilted	0mm	Ant 8+6	DSI 2	641666	3624.99	23.23	24.00	1.194	100	1.000	0.08	0.870	1.039
	FR1 n48 HPUE	40M	BPSK	1	1	Left Cheek	0mm	Ant 8+6	DSI 2	641666	3624.99	23.30	24.00	1.174	100	1.000	0.01	0.500	0.587
	FR1 n48 HPUE	40M	BPSK	50	28	Left Cheek	0mm	Ant 8+6	DSI 2	641666	3624.99	23.27	24.00	1.184	100	1.000	-0.06	0.386	0.457
	FR1 n48 HPUE	40M	BPSK	1	1	Left Tilted	0mm	Ant 8+6	DSI 2	641666	3624.99	23.30	24.00	1.174	100	1.000	-0.12	0.670	0.787
	FR1 n48 HPUE	40M	BPSK	50	28	Left Tilted	0mm	Ant 8+6	DSI 2	641666	3624.99	23.27	24.00	1.184	100	1.000	0.17	0.656	0.777
	FR1 n77 HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 8+4	DSI 2	633332	3499.98	23.93	24.70	1.194	50	1.000	-0.05	0.660	0.788
	FR1 n77 HPUE	100M	BPSK	135	69	Right Cheek	0mm	Ant 8+4	DSI 2	633332	3499.98	23.89	24.70	1.205	50	1.000	0.01	0.650	0.783
	FR1 n77 HPUE	100M	BPSK	1	1	Right Tilted	0mm	Ant 8+4	DSI 2	633332	3499.98	23.93	24.70	1.194	50	1.000	0.09	0.772	0.922
	FR1 n77 HPUE	100M	BPSK	135	69	Right Tilted	0mm	Ant 8+4	DSI 2	633332	3499.98	23.89	24.70	1.205	50	1.000	0.11	0.708	0.853
	FR1 n77 HPUE	100M	BPSK	270	0	Right Tilted	0mm	Ant 8+4	DSI 2	633332	3499.98	23.85	24.70	1.216	50	1.000	-0.06	0.702	0.854
	FR1 n77 HPUE	100M	BPSK	1	1	Left Cheek	0mm	Ant 8+4	DSI 2	633332	3499.98	23.93	24.70	1.194	50	1.000	0.15	0.394	0.47
	FR1 n77 HPUE	100M	BPSK	135	69	Left Cheek	0mm	Ant 8+4	DSI 2	633332	3499.98	23.89	24.70	1.205	50	1.000	-0.03	0.418	0.504
	FR1 n77 HPUE	100M	BPSK	1	1	Left Tilted	0mm	Ant 8+4	DSI 2	633332	3499.98	23.93	24.70	1.194	50	1.000	0.01	0.525	0.627
	FR1 n77 HPUE	100M	BPSK	135	69	Left Tilted	0mm	Ant 8+4	DSI 2	633332	3499.98	23.89	24.70	1.205	50	1.000	-0.12	0.522	0.629



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FR1 n77_PC1.5	100M	BPSK	1	1	Right Tilted	0mm	Ant 8+4	DSI 2	633332	3499.98	26.93	27.70	1.194	25	1.000	0.07	0.724	0.864
FR1 n77_HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 8+6	DSI 2	633332	3499.98	23.89	24.7	1.205	50	1.000	0.01	0.770	0.928
FR1 n77_HPUE	100M	BPSK	135	69	Right Cheek	0mm	Ant 8+6	DSI 2	633332	3499.98	23.83	24.7	1.222	50	1.000	0.02	0.640	0.782
FR1 n77_HPUE	100M	BPSK	1	1	Right Tilted	0mm	Ant 8+6	DSI 2	633332	3499.98	23.89	24.7	1.205	50	1.000	0.18	0.930	1.121
FR1 n77_HPUE	100M	BPSK	135	69	Right Tilted	0mm	Ant 8+6	DSI 2	633332	3499.98	23.83	24.7	1.222	50	1.000	-0.07	0.700	0.855
FR1 n77_HPUE	100M	BPSK	270	0	Right Tilted	0mm	Ant 8+6	DSI 2	633332	3499.98	26.89	27.7	1.205	50	1.000	0.04	0.670	0.807
FR1 n77_HPUE	100M	BPSK	1	1	Left Cheek	0mm	Ant 8+6	DSI 2	633332	3499.98	23.89	24.7	1.205	50	1.000	0.02	0.510	0.615
FR1 n77_HPUE	100M	BPSK	135	69	Left Cheek	0mm	Ant 8+6	DSI 2	633332	3499.98	23.83	24.7	1.222	50	1.000	0.07	0.328	0.401
FR1 n77_HPUE	100M	BPSK	1	1	Left Tilted	0mm	Ant 8+6	DSI 2	633332	3499.98	23.89	24.7	1.205	50	1.000	-0.15	0.720	0.868
FR1 n77_HPUE	100M	BPSK	135	69	Left Tilted	0mm	Ant 8+6	DSI 2	633332	3499.98	23.83	24.7	1.222	50	1.000	0.19	0.479	0.585
FR1 n77_PC1.5	100M	BPSK	1	1	Right Tilted	0mm	Ant 8+6	DSI 2	633332	3499.98	26.89	27.7	1.205	25	1.000	0.11	0.720	0.868
FR1 n77_HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 8+4	DSI 2	656000	3840	23.81	24.7	1.227	50	1.000	-0.18	0.645	0.791
FR1 n77_HPUE	100M	BPSK	135	69	Right Cheek	0mm	Ant 8+4	DSI 2	656000	3840	23.79	24.7	1.233	50	1.000	0.09	0.417	0.514
FR1 n77_HPUE	100M	BPSK	1	1	Right Tilted	0mm	Ant 8+4	DSI 2	656000	3840	23.81	24.7	1.227	50	1.000	0.09	0.665	0.816
FR1 n77_HPUE	100M	BPSK	135	69	Right Tilted	0mm	Ant 8+4	DSI 2	656000	3840	23.79	24.7	1.233	50	1.000	-0.16	0.465	0.573
FR1 n77_HPUE	100M	BPSK	270	0	Right Tilted	0mm	Ant 8+4	DSI 2	656000	3840	23.75	24.7	1.244	50	1.000	0.07	0.510	0.634
FR1 n77_HPUE	100M	BPSK	1	1	Left Cheek	0mm	Ant 8+4	DSI 2	656000	3840	23.81	24.7	1.227	50	1.000	0.05	0.446	0.547
FR1 n77_HPUE	100M	BPSK	135	69	Left Cheek	0mm	Ant 8+4	DSI 2	656000	3840	23.79	24.7	1.233	50	1.000	-0.17	0.308	0.38
FR1 n77_HPUE	100M	BPSK	1	1	Left Tilted	0mm	Ant 8+4	DSI 2	656000	3840	23.81	24.7	1.227	50	1.000	-0.16	0.499	0.612
FR1 n77_HPUE	100M	BPSK	135	69	Left Tilted	0mm	Ant 8+4	DSI 2	656000	3840	23.79	24.7	1.233	50	1.000	0.02	0.360	0.444
FR1 n77_PC1.5	100M	BPSK	1	1	Right Tilted	0mm	Ant 8+4	DSI 2	656000	3840	26.98	27.7	1.180	25	1.000	0.01	0.665	0.785
FR1 n77_HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 8+6	DSI 2	656000	3840	23.77	24.7	1.239	50	1.000	0.08	0.632	0.783
FR1 n77_HPUE	100M	BPSK	135	69	Right Cheek	0mm	Ant 8+6	DSI 2	656000	3840	23.76	24.7	1.243	50	1.000	-0.16	0.404	0.502
FR1 n77_HPUE	100M	BPSK	1	1	Right Tilted	0mm	Ant 8+6	DSI 2	656000	3840	23.77	24.7	1.239	50	1.000	0.11	0.659	0.817
FR1 n77_HPUE	100M	BPSK	135	69	Right Tilted	0mm	Ant 8+6	DSI 2	656000	3840	23.76	24.7	1.243	50	1.000	-0.03	0.449	0.558
FR1 n77_HPUE	100M	BPSK	270	0	Right Tilted	0mm	Ant 8+6	DSI 2	656000	3840	23.70	24.7	1.260	50	1.000	-0.04	0.436	0.549
FR1 n77_HPUE	100M	BPSK	1	1	Left Cheek	0mm	Ant 8+6	DSI 2	656000	3840	23.77	24.7	1.239	50	1.000	0.08	0.409	0.507
FR1 n77_HPUE	100M	BPSK	135	69	Left Cheek	0mm	Ant 8+6	DSI 2	656000	3840	23.76	24.7	1.243	50	1.000	0.17	0.216	0.268
FR1 n77_HPUE	100M	BPSK	1	1	Left Tilted	0mm	Ant 8+6	DSI 2	656000	3840	23.77	24.7	1.239	50	1.000	0.04	0.485	0.601
FR1 n77_HPUE	100M	BPSK	135	69	Left Tilted	0mm	Ant 8+6	DSI 2	656000	3840	23.76	24.7	1.243	50	1.000	-0.03	0.281	0.349
FR1 n77_PC1.5	100M	BPSK	1	1	Right Tilted	0mm	Ant 8+6	DSI 2	656000	3840	26.94	27.7	1.191	25	1.000	0.11	0.637	0.759

UL CA SAR

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 7	20M	QPSK	1	0	Left Tilted	0mm	Ant 3	DSI 2	21350+21152	2560+2540.2	14.76	15.4	1.159	100	1.000	0.01	0.995	1.153
	LTE Band 7	20M	QPSK	1	99	Right Cheek	0mm	Ant 2	DSI 2	21100+21298	2535+2554.8	23.08	24	1.236	100	1.000	0.04	0.081	0.1
	LTE Band 7	20M	QPSK	1	99	Left Cheek	0mm	Ant 4	DSI 2	21100+21298	2535+2554.8	21.92	23	1.282	100	1.000	0.06	0.371	0.476
	LTE Band 7	20M	QPSK	1	99	Right Cheek	0mm	Ant 0	DSI 2	21100+21298	2535+2554.8	22.76	24	1.330	100	1.000	0.06	0.128	0.17
	LTE Band 2	20M	QPSK	1	99	Left Tilted	0mm	Ant 3	DSI 2	18900+19098	1880+1899.8	20.62	21.5	1.225	100	1.000	0.02	0.965	1.182
	LTE Band 2	20M	QPSK	1	99	Right Cheek	0mm	Ant 2	DSI 2	18900+19098	1880+1899.8	22.77	24	1.327	100	1.000	0.06	0.061	0.081
	LTE Band 2	20M	QPSK	1	99	Left Cheek	0mm	Ant 4	DSI 2	18900+19098	1880+1899.8	21.53	23	1.403	100	1.000	0.02	0.684	0.96
	LTE Band 2	20M	QPSK	1	99	Right Cheek	0mm	Ant 0	DSI 2	18900+19098	1880+1899.8	21.92	23	1.282	100	1.000	0.04	0.001	0.001
	LTE Band 5	10M	QPSK	1	49	Right Cheek	0mm	Ant 0	DSI 2	20476+20575	831.6+841.5	22.88	24	1.294	100	1.000	0.06	0.115	0.149
	LTE Band 5	10M	QPSK	1	49	Right Cheek	0mm	Ant 1	DSI 2	20476+20575	831.6+841.5	23.16	24	1.213	100	1.000	0.02	0.211	0.256
	LTE Band 66	20M	QPSK	1	0	Right Tilted	0mm	Ant 3	DSI 2	132572+132374	1770+1750.2	21.36	22.4	1.271	100	1.000	0.01	0.928	1.179
	LTE Band 66	20M	QPSK	1	99	Right Cheek	0mm	Ant 2	DSI 2	132322+132520	1745+1764.8	22.96	24	1.271	100	1.000	0.01	0.053	0.067
	LTE Band 66	20M	QPSK	1	99	Left Cheek	0mm	Ant 4	DSI 2	132322+132520	1745+1764.8	21.68	23	1.355	100	1.000	0.04	0.435	0.589
	LTE Band 66	20M	QPSK	1	99	Right Cheek	0mm	Ant 0	DSI 2	132322+132520	1745+1764.8	22.08	23	1.236	100	1.000	0.04	0.005	0.006
	LTE Band 41	20M	QPSK	1	99	Right Tilted	0mm	Ant 3	DSI 2	40620+40818	2593+2612.8	17.44	18.5	1.276	62.9	1.006	0.02	0.912	1.171
	LTE Band 41_HPUE	20M	QPSK	1	99	Right Tilted	0mm	Ant 3	DSI 2	40620+40818	2593+2612.8	19.31	20.1	1.199	42.9	1.009	0.01	0.910	1.101
	LTE Band 41	20M	QPSK	1	99	Left Cheek	0mm	Ant 2	DSI 2	40620+40818	2593+2612.8	23.02	24	1.253	62.9	1.006	0.09	0.048	0.061
	LTE Band 41_HPUE	20M	QPSK	1	99	Left Cheek	0mm	Ant 2	DSI 2	40620+40818	2593+2612.8	26.03	27	1.250	42.9	1.009	0.04	0.068	0.086
	LTE Band 41	20M	QPSK	1	99	Left Cheek	0mm	Ant 4	DSI 2	40620+40818	2593+2612.8	21.88	23	1.294	62.9	1.006	0.05	0.201	0.262
	LTE Band 41_HPUE	20M	QPSK	1	99	Left Cheek	0mm	Ant 4	DSI 2	40620+40818	2593+2612.8	24.62	26	1.374	42.9	1.009	0.02	0.266	0.369



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	LTE Band 41	20M	QPSK	1	99	Right Cheek	0mm	Ant 0	DSI 2	40620+40818	2593+2612.8	22.84	24	1.306	62.9	1.006	0.04	0.058	0.076
	LTE Band 41_HPUE	20M	QPSK	1	99	Right Cheek	0mm	Ant 0	DSI 2	40620+40818	2593+2612.8	25.64	27	1.368	42.9	1.009	0.02	0.077	0.106
	LTE Band 42	20M	QPSK	1	99	Right Tilted	0mm	Ant 2	DSI 2	42590+42788	3500+3519.8	20.75	22	1.334	62.9	1.006	0.06	0.042	0.056
	LTE Band 42	20M	QPSK	1	99	Left Cheek	0mm	Ant 4	DSI 2	42590+42788	3500+3519.8	23.08	24	1.236	62.9	1.006	0.01	0.136	0.169
	LTE Band 42	20M	QPSK	1	99	Left Tilted	0mm	Ant 6	DSI 2	42590+42788	3500+3519.8	21.98	23	1.265	62.9	1.006	0.02	0.264	0.336
	LTE Band 42	20M	QPSK	1	99	Right Tilted	0mm	Ant 8	DSI 2	42590+42788	3500+3519.8	22.17	23	1.211	62.9	1.006	0.02	0.957	1.166
	LTE Band 42	20M	QPSK	1	99	Left Cheek	0mm	Ant 2	DSI 2	43340+43538	3575+3594.8	20.48	22	1.419	62.9	1.006	0.06	0.033	0.047
	LTE Band 42	20M	QPSK	1	99	Left Cheek	0mm	Ant 4	DSI 2	43340+43538	3575+3594.8	22.95	24	1.274	62.9	1.006	0.06	0.171	0.219
	LTE Band 42	20M	QPSK	1	99	Left Tilted	0mm	Ant 6	DSI 2	43340+43538	3575+3594.8	21.92	23	1.282	62.9	1.006	0.04	0.181	0.233
	LTE Band 42	20M	QPSK	1	99	Right Tilted	0mm	Ant 8	DSI 2	43340+43538	3575+3594.8	22.07	23	1.239	62.9	1.006	0.06	0.954	1.189
	LTE Band 48	20M	QPSK	1	99	Right Cheek	0mm	Ant 2	DSI 2	55830+56028	3609+3628.8	20.68	22	1.355	62.9	1.006	0.01	0.058	0.079
	LTE Band 48	20M	QPSK	1	99	Left Cheek	0mm	Ant 4	DSI 2	55830+56028	3609+3628.8	23.11	24	1.227	62.9	1.006	0.02	0.146	0.18
	LTE Band 48	20M	QPSK	1	99	Left Tilted	0mm	Ant 6	DSI 2	55830+56028	3609+3628.8	21.76	23	1.330	62.9	1.006	0.02	0.178	0.238
	LTE Band 48	20M	QPSK	1	99	Right Tilted	0mm	Ant 8	DSI 2	55340+55538	3560+3579.8	21.85	23	1.303	62.9	1.006	0.02	0.904	1.185
	FR1 n41	100M	BPSK	144	129	Right Tilted	0mm	Ant 3	DSI 2	509598+528582	2547.99+2642.91	15.55	16.4	1.216	100	1.000	0.02	0.921	1.12
	FR1 n41	100M	BPSK	144	129	Left Cheek	0mm	Ant 2	DSI 2	509598+528582	2547.99+2642.91	23.64	24	1.086	100	1.000	-0.09	0.073	0.079
	FR1 n41	100M	BPSK	144	129	Right Cheek	0mm	Ant 4	DSI 2	509598+528582	2547.99+2642.91	21.83	23	1.309	100	1.000	-0.09	0.234	0.306
	FR1 n41	100M	BPSK	144	129	Right Cheek	0mm	Ant 0	DSI 2	509598+528582	2547.99+2642.91	22.89	24	1.291	100	1.000	-0.02	0.132	0.17
	FR1 n77	100M	BPSK	162	108	Left Cheek	0mm	Ant 2	DSI 2	655008+659334	3825.12+3890.01	21.14	22	1.219	100	1.000	0.01	0.055	0.067
	FR1 n77	100M	BPSK	162	108	Left Cheek	0mm	Ant 4	DSI 2	655008+659334	3825.12+3890.01	23.32	24	1.169	100	1.000	0.03	0.255	0.298
	FR1 n77_HPUE	100M	BPSK	162	108	Left Cheek	0mm	Ant 4	DSI 2	655008+659334	3825.12+3890.01	25.25	26	1.189	50	1.000	-0.02	0.234	0.278
	FR1 n77	100M	BPSK	162	108	Left Tilted	0mm	Ant 6	DSI 2	655008+659334	3825.12+3890.01	22.45	24	1.429	100	1.000	0.07	0.635	0.907
	FR1 n77	100M	BPSK	162	108	Right Tilted	0mm	Ant 8	DSI 2	655008+659334	3825.12+3890.01	20.82	21.7	1.225	100	1.000	0.06	0.657	0.805
	FR1 n77_HPUE	100M	BPSK	162	108	Right Tilted	0mm	Ant 8	DSI 2	655008+659334	3825.12+3890.01	23.84	24.7	1.219	50	1.000	0.01	0.635	0.774

【WLAN 2.4GHz_5GHz SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	EUT Flip State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
32	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 7+11(7)	DSI 2	Close	11	2462	20.77	22.50	1.489	97.05	1.03	0.05	0.504	0.773
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 7+11(7)	DSI 2	Close	11	2462	20.77	22.50	1.489	97.05	1.03	0.10	0.712	1.092
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 7+11(7)	DSI 2	Close	1	2412	20.81	22.50	1.476	97.05	1.03	-0.00	0.687	1.044
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 7+11(7)	DSI 2	Close	6	2437	20.78	22.50	1.486	97.05	1.03	-0.13	0.602	0.921
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 7+11(7)	DSI 2	Close	11	2462	20.77	22.50	1.489	97.05	1.03	0.15	0.361	0.554
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 7+11(7)	DSI 2	Close	11	2462	20.77	22.50	1.489	97.05	1.03	0.12	0.505	0.775
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+1(1)	DSI 2	Close	58	5290	19.44	20.80	1.368	100.0	1.0	0.02	0.577	0.789
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 6+1(1)	DSI 2	Close	58	5290	19.44	20.80	1.368	100.0	1.0	-0.13	0.696	0.952
33	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 6+1(1)	DSI 2	Close	58	5290	19.44	20.80	1.368	100.0	1.0	-0.07	0.777	1.063
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 6+1(1)	DSI 2	Close	58	5290	19.44	20.80	1.368	100.0	1.0	-0.01	0.710	0.971
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+1(6)	DSI 2	Close	106	5530	19.47	20.80	1.358	100.0	1.0	0.17	0.506	0.687
34	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 6+1(6)	DSI 2	Close	106	5530	19.47	20.80	1.358	100.0	1.0	0.03	0.793	1.077
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 6+1(6)	DSI 2	Close	106	5530	19.47	20.80	1.358	100.0	1.0	0.01	0.525	0.713
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 6+1(6)	DSI 2	Close	106	5530	19.47	20.80	1.358	100.0	1.0	-0.01	0.503	0.683
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 6+1(1)	DSI 2	Close	138	5690	19.35	20.80	1.396	100.0	1.0	0.01	0.762	1.064
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+1(1)	DSI 2	Close	155	5775	20.30	22.00	1.479	100.0	1.0	0.12	0.544	0.805
35	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 6+1(1)	DSI 2	Close	155	5775	20.30	22.00	1.479	100.0	1.0	0.01	0.669	0.989
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 6+1(1)	DSI 2	Close	155	5775	20.30	22.00	1.479	100.0	1.0	-0.17	0.519	0.768
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 6+1(1)	DSI 2	Close	155	5775	20.30	22.00	1.479	100.0	1.0	0.02	0.608	0.899

【Bluetooth SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	EUT Flip State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 7	Full Power	Close	39	2441	18.87	20.50	1.455	77.01	1.082	-0.04	0.049	0.077
36	Bluetooth	1Mbps	Right Tilted	0mm	Ant 7	Full Power	Close	39	2441	18.87	20.50	1.455	77.01	1.082	0.01	0.055	0.087
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 7	Full Power	Close	39	2441	18.87	20.50	1.455	77.01	1.082	0.07	0.037	0.058
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 7	Full Power	Close	39	2441	18.87	20.50	1.455	77.01	1.082	-0.17	0.040	0.063
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 11	Full Power	Close	39	2441	19.41	21.00	1.442	76.66	1.087	0.07	0.015	0.024
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 11	Full Power	Close	39	2441	19.41	21.00	1.442	76.66	1.087	-0.05	0.018	0.028
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 11	Full Power	Close	39	2441	19.41	21.00	1.442	76.66	1.087	-0.09	0.014	0.022
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 11	Full Power	Close	39	2441	19.41	21.00	1.442	76.66	1.087	0.09	0.017	0.027



【WLAN 6GHz SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Measured APD (W/m ²)
	WLAN6GHz	802.11ax-HE160 MCS0	Right Cheek	0mm	Ant 6+1(6)	DSI 2	207	6985	17.2	19	1.514	100	1.000	0.09	0.379	0.574	2.490
	WLAN6GHz	802.11ax-HE160 MCS0	Right Tilted	0mm	Ant 6+1(6)	DSI 2	207	6985	17.2	19	1.514	100	1.000	-0.01	0.496	0.751	3.280
	WLAN6GHz	802.11ax-HE160 MCS0	Left Cheek	0mm	Ant 6+1(6)	DSI 2	207	6985	17.2	19	1.514	100	1.000	0.06	0.528	0.799	3.690
37	WLAN6GHz	802.11ax-HE160 MCS0	Left Tilted	0mm	Ant 6+1(6)	DSI 2	207	6985	17.2	19	1.514	100	1.000	0.07	0.611	0.925	4.000
	WLAN6GHz	802.11ax-HE160 MCS0	Left Tilted	0mm	Ant 6+1(6)	DSI 2	15	6025	14.91	16.5	1.442	100	1.000	0.03	0.215	0.31	1.600
	WLAN6GHz	802.11ax-HE160 MCS0	Left Tilted	0mm	Ant 6+1(1)	DSI 2	47	6185	15.33	17	1.469	100	1.000	0.04	0.144	0.212	1.080
	WLAN6GHz	802.11ax-HE160 MCS0	Left Tilted	0mm	Ant 6+1(1)	DSI 2	111	6505	15.46	17	1.426	100	1.000	0.07	0.253	0.361	1.780
	WLAN6GHz	802.11ax-HE160 MCS0	Left Tilted	0mm	Ant 6+1(6)	DSI 2	143	6665	15.53	17	1.403	100	1.000	-0.08	0.387	0.543	2.700



16.2 Hotspot SAR

<Flip Close>

【GSM SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	EUT Flip State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM850	GPRS 3 Tx slots	Front	5mm	Ant 0	DSI 7	Close	189	836.4	28.84	30.00	1.306	-0.13	0.288	0.376
38	GSM850	GPRS 3 Tx slots	Back	5mm	Ant 0	DSI 7	Close	189	836.4	28.84	30.00	1.306	0.08	0.709	0.926
	GSM850	GPRS 3 Tx slots	Back	5mm	Ant 0	DSI 7	Close	128	824.2	28.79	30.00	1.321	-0.01	0.633	0.836
	GSM850	GPRS 3 Tx slots	Back	5mm	Ant 0	DSI 7	Close	251	848.8	28.73	30.00	1.34	-0.16	0.637	0.854
	GSM850	GPRS 3 Tx slots	Right Side	5mm	Ant 0	DSI 7	Close	189	836.4	28.84	30.00	1.306	-0.05	0.476	0.622
	GSM850	GPRS 3 Tx slots	Bottom Side	5mm	Ant 0	DSI 7	Close	189	836.4	28.84	30.00	1.306	-0.17	0.357	0.466
	GSM850	GPRS 3 Tx slots	Front	5mm	Ant 1	DSI 7	Close	189	836.4	29.12	30.00	1.225	0.00	0.169	0.207
	GSM850	GPRS 3 Tx slots	Back Right	5mm	Ant 1	DSI 7	Close	189	836.4	29.12	30.00	1.225	0.11	0.605	0.741
	GSM850	GPRS 3 Tx slots	Back 1	5mm	Ant 1	DSI 7	Close	189	836.4	29.12	30.00	1.225	0.08	0.446	0.546
	GSM850	GPRS 3 Tx slots	Right Side	5mm	Ant 1	DSI 7	Close	189	836.4	29.12	30.00	1.225	-0.04	0.597	0.731
	GSM1900	GPRS 3 Tx slots	Front	5mm	Ant 3	DSI 7	Close	661	1880	22.81	23.60	1.199	0.08	0.258	0.309
39	GSM1900	GPRS 3 Tx slots	Back Top	5mm	Ant 3	DSI 7	Close	661	1880	22.81	23.60	1.199	0.09	1.080	1.295
	GSM1900	GPRS 3 Tx slots	Back Top	5mm	Ant 3	DSI 7	Close	512	1850.2	22.74	23.60	1.219	0.19	0.741	0.903
	GSM1900	GPRS 3 Tx slots	Back Top	5mm	Ant 3	DSI 7	Close	810	1909.8	22.68	23.60	1.236	-0.07	0.866	1.070
	GSM1900	GPRS 3 Tx slots	Left Side	5mm	Ant 3	DSI 7	Close	661	1880	22.81	23.60	1.199	0.06	0.027	0.032
	GSM1900	GPRS 3 Tx slots	Top Side	5mm	Ant 3	DSI 7	Close	661	1880	22.81	23.60	1.199	0.09	1.010	1.211
	GSM1900	GPRS 3 Tx slots	Top Side	5mm	Ant 3	DSI 7	Close	512	1850.2	22.74	23.60	1.219	0.19	0.964	1.175
	GSM1900	GPRS 3 Tx slots	Top Side	5mm	Ant 3	DSI 7	Close	810	1909.8	22.68	23.60	1.236	0.12	0.942	1.164
	GSM1900	GPRS 3 Tx slots	Front	5mm	Ant 4	DSI 7	Close	661	1880	24.25	25.00	1.189	0.07	0.145	0.172
	GSM1900	GPRS 3 Tx slots	Back Right	5mm	Ant 4	DSI 7	Close	661	1880	24.25	25.00	1.189	0.09	0.499	0.593
	GSM1900	GPRS 3 Tx slots	Right Side	5mm	Ant 4	DSI 7	Close	661	1880	24.25	25.00	1.189	0.09	0.497	0.591
	GSM1900	GPRS 3 Tx slots	Top Side	5mm	Ant 4	DSI 7	Close	661	1880	24.25	25.00	1.189	-0.02	0.068	0.081

【WCDMA SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	EUT Flip State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA II	RMC 12.2Kbps	Front	5mm	Ant 3	DSI 7	Close	9400	1880	17.55	18.60	1.274	-0.10	0.241	0.307
40	WCDMA II	RMC 12.2Kbps	Back Top	5mm	Ant 3	DSI 7	Close	9400	1880	17.55	18.60	1.274	0.16	1.010	1.287
	WCDMA II	RMC 12.2Kbps	Back Top	5mm	Ant 3	DSI 7	Close	9262	1852.4	17.51	18.60	1.285	0.08	0.735	0.944
	WCDMA II	RMC 12.2Kbps	Back Top	5mm	Ant 3	DSI 7	Close	9538	1907.6	17.53	18.60	1.279	0.12	0.870	1.113
	WCDMA II	RMC 12.2Kbps	Left Side	5mm	Ant 3	DSI 7	Close	9400	1880	17.55	18.60	1.274	-0.11	0.029	0.037
	WCDMA II	RMC 12.2Kbps	Top Side	5mm	Ant 3	DSI 7	Close	9400	1880	17.55	18.60	1.274	-0.06	0.907	1.156
	WCDMA II	RMC 12.2Kbps	Top Side	5mm	Ant 3	DSI 7	Close	9262	1852.4	17.51	18.60	1.285	-0.03	0.839	1.078
	WCDMA II	RMC 12.2Kbps	Top Side	5mm	Ant 3	DSI 7	Close	9538	1907.6	17.53	18.60	1.279	0.02	0.886	1.133
	WCDMA II	RMC 12.2Kbps	Front	5mm	Ant 4	DSI 7	Close	9400	1880	21.12	21.80	1.169	-0.03	0.248	0.290
	WCDMA II	RMC 12.2Kbps	Back Right	5mm	Ant 4	DSI 7	Close	9400	1880	21.12	21.80	1.169	0.13	0.896	1.047
	WCDMA II	RMC 12.2Kbps	Back Right	5mm	Ant 4	DSI 7	Close	9262	1852.4	21.08	21.80	1.18	0.10	1.050	1.239
	WCDMA II	RMC 12.2Kbps	Back Right	5mm	Ant 4	DSI 7	Close	9538	1907.6	21.11	21.80	1.172	-0.05	0.626	0.734
	WCDMA II	RMC 12.2Kbps	Right Side	5mm	Ant 4	DSI 7	Close	9400	1880	21.12	21.80	1.169	-0.05	0.940	1.099
	WCDMA II	RMC 12.2Kbps	Right Side	5mm	Ant 4	DSI 7	Close	9262	1852.4	21.08	21.80	1.18	0.09	1.080	1.274
	WCDMA II	RMC 12.2Kbps	Right Side	5mm	Ant 4	DSI 7	Close	9538	1907.6	21.11	21.80	1.172	-0.11	0.643	0.754
	WCDMA II	RMC 12.2Kbps	Top Side	5mm	Ant 4	DSI 7	Close	9400	1880	21.12	21.80	1.169	-0.11	0.123	0.144
	WCDMA IV	RMC 12.2Kbps	Front	5mm	Ant 3	DSI 7	Close	1413	1732.6	19.09	19.80	1.178	0.00	0.126	0.148
	WCDMA IV	RMC 12.2Kbps	Back Top	5mm	Ant 3	DSI 7	Close	1413	1732.6	19.09	19.80	1.178	0.08	0.943	1.111
	WCDMA IV	RMC 12.2Kbps	Back Top	5mm	Ant 3	DSI 7	Close	1312	1712.4	18.98	19.80	1.208	-0.14	0.952	1.150
	WCDMA IV	RMC 12.2Kbps	Back Top	5mm	Ant 3	DSI 7	Close	1513	1752.6	19.03	19.80	1.194	0.06	1.070	1.278
	WCDMA IV	RMC 12.2Kbps	Left Side	5mm	Ant 3	DSI 7	Close	1413	1732.6	19.09	19.80	1.178	0.09	0.018	0.021
	WCDMA IV	RMC 12.2Kbps	Top Side	5mm	Ant 3	DSI 7	Close	1413	1732.6	19.09	19.80	1.178	0.03	0.538	0.634
	WCDMA IV	RMC 12.2Kbps	Front	5mm	Ant 4	DSI 7	Close	1413	1732.6	21.16	22.20	1.271	0.13	0.157	0.200
	WCDMA IV	RMC 12.2Kbps	Back Right	5mm	Ant 4	DSI 7	Close	1413	1732.6	21.16	22.20	1.271	-0.16	0.813	1.033
	WCDMA IV	RMC 12.2Kbps	Back Right	5mm	Ant 4	DSI 7	Close	1312	1712.4	21.11	22.20	1.285	-0.17	0.834	1.072
41	WCDMA IV	RMC 12.2Kbps	Back Right	5mm	Ant 4	DSI 7	Close	1513	1752.6	21.13	22.20	1.279	0.02	1.010	1.292
	WCDMA IV	RMC 12.2Kbps	Right Side	5mm	Ant 4	DSI 7	Close	1413	1732.6	21.16	22.20	1.271	-0.10	0.803	1.021
	WCDMA IV	RMC 12.2Kbps	Right Side	5mm	Ant 4	DSI 7	Close	1312	1712.4	21.11	22.20	1.285	-0.06	0.720	0.925
	WCDMA IV	RMC 12.2Kbps	Right Side	5mm	Ant 4	DSI 7	Close	1513	1752.6	21.13	22.20	1.279	-0.08	0.730	0.934
	WCDMA IV	RMC 12.2Kbps	Top Side	5mm	Ant 4	DSI 7	Close	1413	1732.6	21.16	22.20	1.271	-0.01	0.060	0.076
	WCDMA V	RMC 12.2Kbps	Front	5mm	Ant 0	DSI 7	Close	4182	836.4	23.49	24.00	1.125	0.11	0.378	0.425
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 7	Close	4182	836.4	23.49	24.00	1.125	-0.08	1.000	1.125
42	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 7	Close	4132	826.4	23.33	24.00	1.167	0.02	1.070	1.249
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 7	Close	4233	846.6	23.35	24.00	1.161	-0.03	1.020	1.184
	WCDMA V	RMC 12.2Kbps	Right Side	5mm	Ant 0	DSI 7	Close	4182	836.4	23.49	24.00	1.125	0.07	0.744	0.837
	WCDMA V	RMC 12.2Kbps	Right Side	5mm	Ant 0	DSI 7	Close	4132	826.4	23.33	24.00	1.167	-0.14	0.726	0.847
	WCDMA V	RMC 12.2Kbps	Right Side	5mm	Ant 0	DSI 7	Close	4233	846.6	23.35	24.00	1.161	0.12	0.731	0.849
	WCDMA V	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 7	Close	4182	836.4	23.49	24.00	1.125	0.07	0.502	0.565



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	WCDMA V Sample2	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 7	Close	4132	826.4	23.33	24	1.167	-0.02	0.987	1.152
	WCDMA V	RMC 12.2Kbps	Front	5mm	Ant 1	DSI 7	Close	4182	836.4	23.26	24.00	1.186	-0.07	0.245	0.291
	WCDMA V	RMC 12.2Kbps	Back Right	5mm	Ant 1	DSI 7	Close	4182	836.4	23.26	24.00	1.186	0.03	0.860	1.020
	WCDMA V	RMC 12.2Kbps	Back Right	5mm	Ant 1	DSI 7	Close	4132	826.4	23.24	24.00	1.191	0.19	0.833	0.992
	WCDMA V	RMC 12.2Kbps	Back Right	5mm	Ant 1	DSI 7	Close	4233	846.6	23.21	24.00	1.199	0.09	0.849	1.018
	WCDMA V	RMC 12.2Kbps	Back 1	5mm	Ant 1	DSI 7	Close	4182	836.4	23.26	24.00	1.186	0.19	0.631	0.748
	WCDMA V	RMC 12.2Kbps	Right Side	5mm	Ant 1	DSI 7	Close	4182	836.4	23.26	24.00	1.186	-0.07	0.803	0.952
	WCDMA V	RMC 12.2Kbps	Right Side	5mm	Ant 1	DSI 7	Close	4132	826.4	23.24	24.00	1.191	-0.07	0.706	0.841
	WCDMA V	RMC 12.2Kbps	Right Side	5mm	Ant 1	DSI 7	Close	4233	846.6	23.21	24.00	1.199	0.19	0.762	0.914

[LTE SAR]

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	EUT Flip State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 7	20M	QPSK	1	0	Front	5mm	Ant 3	DSI 7	Close	21100	2535	15.43	16.40	1.25			0.13	0.383	0.479
	LTE Band 7	20M	QPSK	50	0	Front	5mm	Ant 3	DSI 7	Close	21100	2535	15.35	16.40	1.274			0.18	0.309	0.394
	LTE Band 7	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 7	Close	21100	2535	15.43	16.40	1.25			-0.03	0.934	1.168
	LTE Band 7	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 7	Close	20850	2510	15.41	16.40	1.256			-0.11	0.853	1.071
	LTE Band 7	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 7	Close	21350	2560	15.38	16.40	1.265			0.15	0.944	1.194
	LTE Band 7	20M	QPSK	50	0	Back Top	5mm	Ant 3	DSI 7	Close	21100	2535	15.35	16.40	1.274			-0.10	0.696	0.887
	LTE Band 7	20M	QPSK	50	0	Back Top	5mm	Ant 3	DSI 7	Close	20850	2510	15.32	16.40	1.282			0.11	0.638	0.818
	LTE Band 7	20M	QPSK	50	0	Back Top	5mm	Ant 3	DSI 7	Close	21350	2560	15.33	16.40	1.279			-0.18	0.712	0.911
	LTE Band 7	20M	QPSK	100	0	Back Top	5mm	Ant 3	DSI 7	Close	21100	2535	15.34	16.40	1.276			0.07	0.742	0.947
	LTE Band 7	20M	QPSK	1	0	Left Side	5mm	Ant 3	DSI 7	Close	21100	2535	15.43	16.40	1.25			-0.12	0.048	0.060
	LTE Band 7	20M	QPSK	50	0	Left Side	5mm	Ant 3	DSI 7	Close	21100	2535	15.35	16.40	1.274			-0.06	0.038	0.048
	LTE Band 7	20M	QPSK	1	0	Top Side	5mm	Ant 3	DSI 7	Close	21100	2535	15.43	16.40	1.25			-0.16	0.988	1.235
	LTE Band 7	20M	QPSK	1	0	Top Side	5mm	Ant 3	DSI 7	Close	20850	2510	15.41	16.40	1.256			-0.03	0.856	1.075
43	LTE Band 7	20M	QPSK	1	0	Top Side	5mm	Ant 3	DSI 7	Close	21350	2560	15.38	16.40	1.265			0.08	1.020	1.290
	LTE Band 7	20M	QPSK	50	0	Top Side	5mm	Ant 3	DSI 7	Close	21100	2535	15.35	16.40	1.274			0.09	0.780	0.994
	LTE Band 7	20M	QPSK	50	0	Top Side	5mm	Ant 3	DSI 7	Close	20850	2510	15.32	16.40	1.282			0.00	0.698	0.895
	LTE Band 7	20M	QPSK	50	0	Top Side	5mm	Ant 3	DSI 7	Close	21350	2560	15.33	16.40	1.279			0.02	0.815	1.042
	LTE Band 7	20M	QPSK	100	0	Top Side	5mm	Ant 3	DSI 7	Close	21100	2535	15.34	16.40	1.276			-0.18	0.769	0.981
	LTE Band 7	20M	QPSK	1	0	Front	5mm	Ant 2	DSI 7	Close	21100	2535	20.83	21.90	1.279			-0.09	0.246	0.315
	LTE Band 7	20M	QPSK	50	0	Front	5mm	Ant 2	DSI 7	Close	21100	2535	20.75	21.90	1.303			0.17	0.199	0.259
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 7	Close	21100	2535	20.83	21.90	1.279			0.09	0.996	1.274
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 7	Close	20850	2510	20.79	21.90	1.291			0.18	0.922	1.190
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 7	Close	21350	2560	20.81	21.90	1.285			-0.02	0.988	1.270
	LTE Band 7	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	21100	2535	20.75	21.90	1.303			-0.10	0.779	1.015
	LTE Band 7	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	20850	2510	20.70	21.90	1.318			0.02	0.803	1.058
	LTE Band 7	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	21350	2560	20.73	21.90	1.309			0.12	0.791	1.035
	LTE Band 7	20M	QPSK	100	0	Back	5mm	Ant 2	DSI 7	Close	21100	2535	20.71	21.90	1.315			-0.08	0.779	1.024
	LTE Band 7	20M	QPSK	1	0	Left Side	5mm	Ant 2	DSI 7	Close	21100	2535	20.83	21.90	1.279			0.06	0.134	0.171
	LTE Band 7	20M	QPSK	50	0	Left Side	5mm	Ant 2	DSI 7	Close	21100	2535	20.75	21.90	1.303			0.19	0.107	0.139
	LTE Band 7	20M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	21100	2535	20.83	21.90	1.279			0.15	0.858	1.097
	LTE Band 7	20M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	20850	2510	20.79	21.90	1.291			-0.18	0.799	1.032
	LTE Band 7	20M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	21350	2560	20.81	21.90	1.285			0.18	0.772	0.992
	LTE Band 7	20M	QPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	21100	2535	20.75	21.90	1.303			0.03	0.689	0.898
	LTE Band 7	20M	QPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	20850	2510	20.70	21.90	1.318			0.18	0.638	0.841
	LTE Band 7	20M	QPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	21350	2560	20.73	21.90	1.309			0.05	0.626	0.819
	LTE Band 7	20M	QPSK	100	0	Bottom Side	5mm	Ant 2	DSI 7	Close	21100	2535	20.71	21.90	1.315			-0.16	0.642	0.844
	LTE Band 7	20M	QPSK	1	0	Front	5mm	Ant 4	DSI 7	Close	21100	2535	20.51	21.80	1.346			0.13	0.098	0.132
	LTE Band 7	20M	QPSK	50	0	Front	5mm	Ant 4	DSI 7	Close	21100	2535	20.43	21.80	1.371			0.06	0.079	0.108
	LTE Band 7	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 7	Close	21100	2535	20.51	21.80	1.346			0.06	0.816	1.098
	LTE Band 7	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 7	Close	20850	2510	20.49	21.80	1.352			-0.12	0.734	0.992
	LTE Band 7	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 7	Close	21350	2560	20.46	21.80	1.361			0.18	0.753	1.025
	LTE Band 7	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 7	Close	21100	2535	20.43	21.80	1.371			-0.11	0.724	0.993
	LTE Band 7	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 7	Close	20850	2510	20.41	21.80	1.377			-0.09	0.719	0.990
	LTE Band 7	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 7	Close	21350	2560	20.38	21.80	1.387			0.02	0.661	0.917
	LTE Band 7	20M	QPSK	100	0	Back Right	5mm	Ant 4	DSI 7	Close	21100	2535	20.38	21.80	1.387			-0.01	0.613	0.850
	LTE Band 7	20M	QPSK	1	0	Right Side	5mm	Ant 4	DSI 7	Close	21100	2535	20.51	21.80	1.346			0.06	0.946	1.273
	LTE Band 7	20M	QPSK	1	0	Right Side	5mm	Ant 4	DSI 7	Close	20850	2510	20.49	21.80	1.352			0.17	0.849	1.148
	LTE Band 7	20M	QPSK	1	0	Right Side	5mm	Ant 4	DSI 7	Close	21350	2560	20.46	21.80	1.361			-0.13	0.903	1.229
	LTE Band 7	20M	QPSK	50	0	Right Side	5mm	Ant 4	DSI 7	Close	21100	2535	20.43	21.80	1.371			0.05	0.753	1.032
	LTE Band 7	20M	QPSK	50	0	Right Side	5mm	Ant 4	DSI 7	Close	20850	2510	20.41	21.80	1.377			0.08	0.709	0.976
	LTE Band 7	20M	QPSK	50	0	Right Side	5mm	Ant 4	DSI 7	Close	21350	2560	20.38	21.80	1.387			0.16	0.724	1.004
	LTE Band 7	20M	QPSK	100	0	Right Side	5mm	Ant 4	DSI 7	Close	21100	2535	20.38	21.80	1.387			-0.01	0.748	1.037
	LTE Band 7	20M	QPSK	1	0	Top Side	5mm	Ant 4	DSI 7	Close	21100	2535	20.51	21.80	1.346			-0.06	0.109	0.147
	LTE Band 7	20M	QPSK	50	0	Top Side	5mm	Ant 4	DSI 7	Close	21100	2535	20.43	21.80	1.371			0.01	0.089	0.122
	LTE Band 7	20M	QPSK	1	0	Front	5mm	Ant 0	DSI 7	Close	21100	2535	20.68	21.80	1.294			0.06	0.470	0.608
	LTE Band 7	20M	QPSK	50	0	Front	5mm	Ant 0	DSI 7	Close	21100	2535	20.59	21.80	1.321			-0.01	0.381	0.503



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	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 7	Close	21100	2535	20.68	21.80	1.294			-0.13	0.504	0.652
	LTE Band 7	20M	QPSK	50	0	Back	5mm	Ant 0	DSI 7	Close	21100	2535	20.59	21.80	1.321			-0.09	0.399	0.527
	LTE Band 7	20M	QPSK	1	0	Right Side	5mm	Ant 0	DSI 7	Close	21100	2535	20.68	21.80	1.294			-0.07	0.826	1.069
	LTE Band 7	20M	QPSK	1	0	Right Side	5mm	Ant 0	DSI 7	Close	20850	2510	20.65	21.80	1.303			0.01	0.748	0.975
	LTE Band 7	20M	QPSK	1	0	Right Side	5mm	Ant 0	DSI 7	Close	21350	2560	20.61	21.80	1.315			0.06	0.970	1.276
	LTE Band 7	20M	QPSK	50	0	Right Side	5mm	Ant 0	DSI 7	Close	21100	2535	20.59	21.80	1.321			-0.18	0.645	0.852
	LTE Band 7	20M	QPSK	50	0	Right Side	5mm	Ant 0	DSI 7	Close	20850	2510	20.56	21.80	1.33			-0.06	0.588	0.782
	LTE Band 7	20M	QPSK	50	0	Right Side	5mm	Ant 0	DSI 7	Close	21350	2560	20.55	21.80	1.334			0.05	0.810	1.081
	LTE Band 7	20M	QPSK	100	0	Right Side	5mm	Ant 0	DSI 7	Close	21100	2535	20.56	21.80	1.33			0.15	0.645	0.858
	LTE Band 7	20M	QPSK	1	0	Bottom Side	5mm	Ant 0	DSI 7	Close	21100	2535	20.68	21.80	1.294			-0.10	0.406	0.525
	LTE Band 7	20M	QPSK	50	0	Bottom Side	5mm	Ant 0	DSI 7	Close	21100	2535	20.59	21.80	1.321			-0.07	0.316	0.417
	LTE Band 12	10M	QPSK	1	0	Front	5mm	Ant 0	DSI 7	Close	23095	707.5	23.04	24.00	1.247			-0.04	0.351	0.438
	LTE Band 12	10M	QPSK	25	0	Front	5mm	Ant 0	DSI 7	Close	23095	707.5	22.06	23.00	1.242			0.05	0.274	0.340
	LTE Band 12	10M	QPSK	1	0	Back	5mm	Ant 0	DSI 7	Close	23095	707.5	23.04	24.00	1.247			-0.01	0.873	1.089
	LTE Band 12	10M	QPSK	25	0	Back	5mm	Ant 0	DSI 7	Close	23095	707.5	22.06	23.00	1.242			-0.10	0.689	0.856
	LTE Band 12	10M	QPSK	50	0	Back	5mm	Ant 0	DSI 7	Close	23095	707.5	21.96	23.00	1.271			0.00	0.683	0.868
44	LTE Band 12	10M	QPSK	1	0	Right Side	5mm	Ant 0	DSI 7	Close	23095	707.5	23.04	24.00	1.247			0.09	0.934	1.165
	LTE Band 12	10M	QPSK	25	0	Right Side	5mm	Ant 0	DSI 7	Close	23095	707.5	22.06	23.00	1.242			0.08	0.736	0.914
	LTE Band 12	10M	QPSK	50	0	Right Side	5mm	Ant 0	DSI 7	Close	23095	707.5	21.96	23.00	1.271			0.19	0.728	0.925
	LTE Band 12	10M	QPSK	1	0	Bottom Side	5mm	Ant 0	DSI 7	Close	23095	707.5	23.04	24.00	1.247			0.15	0.595	0.742
	LTE Band 12	10M	QPSK	25	0	Bottom Side	5mm	Ant 0	DSI 7	Close	23095	707.5	22.06	23.00	1.242			0.14	0.467	0.580
	LTE Band 12	10M	QPSK	1	0	Front	5mm	Ant 1	DSI 7	Close	23095	707.5	23.46	24.00	1.132			-0.18	0.229	0.259
	LTE Band 12	10M	QPSK	25	0	Front	5mm	Ant 1	DSI 7	Close	23095	707.5	22.52	23.00	1.117			-0.03	0.207	0.231
	LTE Band 12	10M	QPSK	1	0	Back Right	5mm	Ant 1	DSI 7	Close	23095	707.5	23.46	24.00	1.132			0.03	0.998	1.130
	LTE Band 12	10M	QPSK	25	0	Back Right	5mm	Ant 1	DSI 7	Close	23095	707.5	22.52	23.00	1.117			-0.19	0.960	1.072
	LTE Band 12	10M	QPSK	50	0	Back Right	5mm	Ant 1	DSI 7	Close	23095	707.5	22.46	23.00	1.132			0.10	0.947	1.072
	LTE Band 12	10M	QPSK	1	0	Back 1	5mm	Ant 1	DSI 7	Close	23095	707.5	23.46	24.00	1.132			-0.08	0.717	0.812
	LTE Band 12	10M	QPSK	25	0	Back 1	5mm	Ant 1	DSI 7	Close	23095	707.5	22.52	23.00	1.117			-0.09	0.605	0.676
	LTE Band 12	10M	QPSK	50	0	Back 1	5mm	Ant 1	DSI 7	Close	23095	707.5	22.46	23.00	1.132			0.14	0.614	0.695
	LTE Band 12	10M	QPSK	1	0	Right Side	5mm	Ant 1	DSI 7	Close	23095	707.5	23.46	24.00	1.132			0.18	0.926	1.048
	LTE Band 12	10M	QPSK	25	0	Right Side	5mm	Ant 1	DSI 7	Close	23095	707.5	22.52	23.00	1.117			-0.09	0.761	0.850
	LTE Band 12	10M	QPSK	50	0	Right Side	5mm	Ant 1	DSI 7	Close	23095	707.5	22.46	23.00	1.132			0.04	0.764	0.865
	LTE Band 13	10M	QPSK	1	0	Front	5mm	Ant 0	DSI 7	Close	23230	782	23.27	24.00	1.183			0.04	0.237	0.280
	LTE Band 13	10M	QPSK	25	0	Front	5mm	Ant 0	DSI 7	Close	23230	782	22.27	23.00	1.183			-0.08	0.294	0.348
	LTE Band 13	10M	QPSK	1	0	Back	5mm	Ant 0	DSI 7	Close	23230	782	23.27	24.00	1.183			0.15	0.659	0.780
	LTE Band 13	10M	QPSK	25	0	Back	5mm	Ant 0	DSI 7	Close	23230	782	22.27	23.00	1.183			-0.13	0.700	0.828
	LTE Band 13	10M	QPSK	50	0	Back	5mm	Ant 0	DSI 7	Close	23230	782	22.24	23.00	1.191			-0.11	0.681	0.811
	LTE Band 13	10M	QPSK	1	0	Right Side	5mm	Ant 0	DSI 7	Close	23230	782	23.27	24.00	1.183			0.16	0.709	0.839
	LTE Band 13	10M	QPSK	25	0	Right Side	5mm	Ant 0	DSI 7	Close	23230	782	22.27	23.00	1.183			0.07	0.750	0.887
	LTE Band 13	10M	QPSK	50	0	Right Side	5mm	Ant 0	DSI 7	Close	23230	782	22.24	23.00	1.191			0.15	0.738	0.879
	LTE Band 13	10M	QPSK	1	0	Bottom Side	5mm	Ant 0	DSI 7	Close	23230	782	23.27	24.00	1.183			-0.08	0.371	0.439
	LTE Band 13	10M	QPSK	25	0	Bottom Side	5mm	Ant 0	DSI 7	Close	23230	782	22.27	23.00	1.183			0.13	0.381	0.451
	LTE Band 13	10M	QPSK	1	0	Front	5mm	Ant 1	DSI 7	Close	23230	782	23.44	24.00	1.138			-0.02	0.244	0.278
	LTE Band 13	10M	QPSK	25	0	Front	5mm	Ant 1	DSI 7	Close	23230	782	22.43	23.00	1.14			-0.16	0.194	0.221
45	LTE Band 13	10M	QPSK	1	0	Back Right	5mm	Ant 1	DSI 7	Close	23230	782	23.44	24.00	1.138			0.07	0.971	1.105
	LTE Band 13	10M	QPSK	25	0	Back Right	5mm	Ant 1	DSI 7	Close	23230	782	22.43	23.00	1.14			0.01	0.823	0.938
	LTE Band 13	10M	QPSK	50	0	Back Right	5mm	Ant 1	DSI 7	Close	23230	782	22.36	23.00	1.159			0.12	0.833	0.965
	LTE Band 13	10M	QPSK	1	0	Back 1	5mm	Ant 1	DSI 7	Close	23230	782	23.44	24.00	1.138			-0.02	0.684	0.778
	LTE Band 13	10M	QPSK	25	0	Back 1	5mm	Ant 1	DSI 7	Close	23230	782	22.43	23.00	1.14			0.07	0.495	0.564
	LTE Band 13	10M	QPSK	1	0	Right Side	5mm	Ant 1	DSI 7	Close	23230	782	23.44	24.00	1.138			-0.08	0.938	1.067
	LTE Band 13	10M	QPSK	25	0	Right Side	5mm	Ant 1	DSI 7	Close	23230	782	22.43	23.00	1.14			0.06	0.727	0.829
	LTE Band 13	10M	QPSK	50	0	Right Side	5mm	Ant 1	DSI 7	Close	23230	782	22.36	23.00	1.159			0.04	0.677	0.785
	LTE Band 14	10M	QPSK	1	0	Front	5mm	Ant 0	DSI 7	Close	23330	793	23.29	24.00	1.178			-0.04	0.359	0.423
	LTE Band 14	10M	QPSK	25	0	Front	5mm	Ant 0	DSI 7	Close	23330	793	22.30	23.00	1.175			-0.00	0.284	0.334
	LTE Band 14	10M	QPSK	1	0	Back	5mm	Ant 0	DSI 7	Close	23330	793	23.29	24.00	1.178			0.01	0.877	1.033
	LTE Band 14	10M	QPSK	25	0	Back	5mm	Ant 0	DSI 7	Close	23330	793	22.30	23.00	1.175			-0.15	0.686	0.806
	LTE Band 14	10M	QPSK	50	0	Back	5mm	Ant 0	DSI 7	Close	23330	793	22.24	23.00	1.191			0.05	0.676	0.805
	LTE Band 14	10M	QPSK	1	0	Right Side	5mm	Ant 0	DSI 7	Close	23330	793	23.29	24.00	1.178			0.18	0.863	1.017
	LTE Band 14	10M	QPSK	25	0	Right Side	5mm	Ant 0	DSI 7	Close	23330	793	22.30	23.00	1.175			0.11	0.694	0.815
	LTE Band 14	10M	QPSK	50	0	Right Side	5mm	Ant 0	DSI 7	Close	23330	793	22.24	23.00	1.191			-0.09	0.691	0.823
	LTE Band 14	10M	QPSK	1	0	Bottom Side	5mm	Ant 0	DSI 7	Close	23330	793	23.29	24.00	1.178			0.00	0.463	0.545
	LTE Band 14	10M	QPSK	25	0	Bottom Side	5mm	Ant 0	DSI 7	Close	23330	793	22.30	23.00	1.175			0.16	0.363	0.427
	LTE Band 14	10M	QPSK	1	0	Front	5mm	Ant 1	DSI 7	Close	23330	793	23.46	24.00	1.132			0.06	0.277	0.314
	LTE Band 14	10M	QPSK	25	0	Front	5mm	Ant 1	DSI 7	Close	23330	793	22.42	23.00	1.143			0.13	0.217	0.248
46	LTE Band 14	10M	QPSK	1	0	Back Right	5mm	Ant 1	DSI 7	Close	23330	793	23.46	24.00	1.132			0.08	1.040	1.177
	LTE Band 14	10M	QPSK	25	0	Back Right	5mm	Ant 1	DSI 7	Close	23330	793	22.42	23.00	1.143			0.18	0.919	1.050
	LTE Band 14	10M	QPSK	50	0	Back Right	5mm	Ant 1	DSI 7	Close	23330	793	22.39	23.00	1.151			-0.11	0.904	1.041
	LTE Band 14	10M	QPSK	1	0	Back 1	5mm	Ant 1	DSI 7	Close	23330	793	23.46	24.00	1.132			-0.14	0.785	0.889
	LTE Band 14	10M	QPSK	25	0	Back 1	5mm	Ant 1	DSI 7	Close	23330	793	22.42	23.00	1.143			0.18	0.629	0.719
	LTE Band 14	10M	QPSK	50	0	Back 1	5mm	Ant 1	DSI 7	Close	23330	793	22.39	23.00	1.151			0.09	0.651	0.749
	LTE Band 14	10M	QPSK	1	0	Right Side	5mm	Ant 1	DSI 7	Close	23330	793	23.46	24.00	1.132			0.18	1.030	1.166
	LTE Band 14	10M	QPSK	25	0	Right Side	5mm	Ant 1	DSI 7	Close	23330	793	22.42	23.00	1.143			0.13	0.811	0.927
	LTE Band 14	10M	QPSK	50	0	Right Side	5mm	Ant 1	DSI 7											



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	LTE Band 25	20M	QPSK	1	0	Front	5mm	Ant 3	DSI 7	Close	26340	1880	17.99	19.10	1.291			-0.11	0.246	0.318
	LTE Band 25	20M	QPSK	50	0	Front	5mm	Ant 3	DSI 7	Close	26340	1880	17.95	19.10	1.303			0.06	0.195	0.254
	LTE Band 25	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 7	Close	26340	1880	17.99	19.10	1.291			0.04	0.999	1.290
	LTE Band 25	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 7	Close	26140	1860	17.95	19.10	1.303			0.05	0.819	1.067
	LTE Band 25	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 7	Close	26590	1905	17.91	19.10	1.315			-0.13	0.928	1.220
	LTE Band 25	20M	QPSK	50	0	Back Top	5mm	Ant 3	DSI 7	Close	26340	1880	17.95	19.10	1.303			0.06	0.643	0.838
	LTE Band 25	20M	QPSK	50	0	Back Top	5mm	Ant 3	DSI 7	Close	26140	1860	17.91	19.10	1.315			-0.15	0.571	0.751
	LTE Band 25	20M	QPSK	50	0	Back Top	5mm	Ant 3	DSI 7	Close	26590	1905	17.83	19.10	1.34			0.13	0.664	0.890
	LTE Band 25	20M	QPSK	100	0	Back Top	5mm	Ant 3	DSI 7	Close	26340	1880	17.89	19.10	1.321			0.00	0.788	1.041
	LTE Band 25	20M	QPSK	1	0	Left Side	5mm	Ant 3	DSI 7	Close	26340	1880	17.99	19.10	1.291			-0.07	0.027	0.035
	LTE Band 25	20M	QPSK	50	0	Left Side	5mm	Ant 3	DSI 7	Close	26340	1880	17.95	19.10	1.303			-0.18	0.022	0.029
	LTE Band 25	20M	QPSK	1	0	Top Side	5mm	Ant 3	DSI 7	Close	26340	1880	17.99	19.10	1.291			0.14	0.937	1.210
	LTE Band 25	20M	QPSK	1	0	Top Side	5mm	Ant 3	DSI 7	Close	26140	1860	17.95	19.10	1.303			-0.00	0.809	1.054
	LTE Band 25	20M	QPSK	1	0	Top Side	5mm	Ant 3	DSI 7	Close	26590	1905	17.91	19.10	1.315			0.17	0.904	1.189
	LTE Band 25	20M	QPSK	50	0	Top Side	5mm	Ant 3	DSI 7	Close	26340	1880	17.95	19.10	1.303			-0.16	0.763	0.994
	LTE Band 25	20M	QPSK	50	0	Top Side	5mm	Ant 3	DSI 7	Close	26140	1860	17.91	19.10	1.315			0.11	0.649	0.853
	LTE Band 25	20M	QPSK	50	0	Top Side	5mm	Ant 3	DSI 7	Close	26590	1905	17.83	19.10	1.34			-0.00	0.734	0.984
	LTE Band 25	20M	QPSK	100	0	Top Side	5mm	Ant 3	DSI 7	Close	26340	1880	17.89	19.10	1.321			-0.07	0.743	0.982
	LTE Band 25	20M	QPSK	1	0	Front	5mm	Ant 2	DSI 7	Close	26340	1880	19.35	20.10	1.189			0.15	0.191	0.227
	LTE Band 25	20M	QPSK	50	0	Front	5mm	Ant 2	DSI 7	Close	26340	1880	19.12	20.10	1.253			0.08	0.158	0.198
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 7	Close	26340	1880	19.35	20.10	1.189			0.04	0.949	1.128
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 7	Close	26140	1860	19.32	20.10	1.197			0.17	0.952	1.140
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 7	Close	26590	1905	19.30	20.10	1.202			-0.04	0.770	0.926
	LTE Band 25	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	26340	1880	19.12	20.10	1.253			0.09	0.750	0.940
	LTE Band 25	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	26140	1860	19.11	20.10	1.256			-0.03	0.599	0.752
	LTE Band 25	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	26590	1905	19.08	20.10	1.265			0.05	0.760	0.961
	LTE Band 25	20M	QPSK	100	0	Back	5mm	Ant 2	DSI 7	Close	26340	1880	19.26	20.10	1.213			0.17	0.744	0.902
	LTE Band 25	20M	QPSK	1	0	Left Side	5mm	Ant 2	DSI 7	Close	26340	1880	19.35	20.10	1.189			0.03	0.116	0.138
	LTE Band 25	20M	QPSK	50	0	Left Side	5mm	Ant 2	DSI 7	Close	26340	1880	19.12	20.10	1.253			0.02	0.095	0.119
	LTE Band 25	20M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	26340	1880	19.35	20.10	1.189			-0.04	1.050	1.248
47	LTE Band 25	20M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	26140	1860	19.32	20.10	1.197			0.06	1.080	1.293
	LTE Band 25	20M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	26590	1905	19.30	20.10	1.202			-0.07	0.966	1.161
	LTE Band 25	20M	QPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	26340	1880	19.12	20.10	1.253			0.08	0.865	1.084
	LTE Band 25	20M	QPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	26140	1860	19.11	20.10	1.256			0.14	0.760	0.955
	LTE Band 25	20M	QPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	26590	1905	19.08	20.10	1.265			0.08	0.875	1.107
	LTE Band 25	20M	QPSK	100	0	Bottom Side	5mm	Ant 2	DSI 7	Close	26340	1880	19.26	20.10	1.213			0.08	0.848	1.029
	LTE Band 25	20M	QPSK	1	0	Front	5mm	Ant 4	DSI 7	Close	26340	1880	21.67	22.60	1.239			0.17	0.316	0.392
	LTE Band 25	20M	QPSK	50	0	Front	5mm	Ant 4	DSI 7	Close	26340	1880	20.68	21.60	1.236			-0.02	0.266	0.329
	LTE Band 25	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 7	Close	26340	1880	21.67	22.60	1.239			0.05	1.030	1.276
	LTE Band 25	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 7	Close	26140	1860	21.65	22.60	1.245			0.16	0.998	1.243
	LTE Band 25	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 7	Close	26590	1905	21.62	22.60	1.253			-0.17	0.803	1.006
	LTE Band 25	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 7	Close	26340	1880	20.68	21.60	1.236			-0.18	0.845	1.044
	LTE Band 25	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 7	Close	26140	1860	20.60	21.60	1.259			0.13	0.829	1.044
	LTE Band 25	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 7	Close	26590	1905	20.63	21.60	1.25			-0.11	0.712	0.890
	LTE Band 25	20M	QPSK	100	0	Back Right	5mm	Ant 4	DSI 7	Close	26340	1880	20.65	21.60	1.245			0.14	0.909	1.132
	LTE Band 25	20M	QPSK	1	0	Right Side	5mm	Ant 4	DSI 7	Close	26340	1880	21.67	22.60	1.239			0.01	0.966	1.197
	LTE Band 25	20M	QPSK	1	0	Right Side	5mm	Ant 4	DSI 7	Close	26140	1860	21.65	22.60	1.245			-0.19	0.853	1.062
	LTE Band 25	20M	QPSK	1	0	Right Side	5mm	Ant 4	DSI 7	Close	26590	1905	21.62	22.60	1.253			0.09	0.893	1.119
	LTE Band 25	20M	QPSK	50	0	Right Side	5mm	Ant 4	DSI 7	Close	26340	1880	20.68	21.60	1.236			-0.06	0.885	1.094
	LTE Band 25	20M	QPSK	50	0	Right Side	5mm	Ant 4	DSI 7	Close	26140	1860	20.60	21.60	1.259			-0.18	0.829	1.044
	LTE Band 25	20M	QPSK	50	0	Right Side	5mm	Ant 4	DSI 7	Close	26590	1905	20.63	21.60	1.25			0.15	0.786	0.983
	LTE Band 25	20M	QPSK	100	0	Right Side	5mm	Ant 4	DSI 7	Close	26340	1880	20.65	21.60	1.245			-0.10	0.798	0.994
	LTE Band 25	20M	QPSK	1	0	Top Side	5mm	Ant 4	DSI 7	Close	26340	1880	21.67	22.60	1.239			0.18	0.154	0.191
	LTE Band 25	20M	QPSK	50	0	Top Side	5mm	Ant 4	DSI 7	Close	26340	1880	20.68	21.60	1.236			-0.14	0.139	0.172
	LTE Band 25	20M	QPSK	1	0	Front	5mm	Ant 0	DSI 7	Close	26340	1880	20.99	21.80	1.205			0.01	0.154	0.186
	LTE Band 25	20M	QPSK	50	0	Front	5mm	Ant 0	DSI 7	Close	26340	1880	20.75	21.80	1.274			-0.10	0.121	0.154
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 7	Close	26340	1880	20.99	21.80	1.205			0.08	0.649	0.782
	LTE Band 25	20M	QPSK	50	0	Back	5mm	Ant 0	DSI 7	Close	26340	1880	20.75	21.80	1.274			-0.07	0.534	0.680
	LTE Band 25	20M	QPSK	1	0	Right Side	5mm	Ant 0	DSI 7	Close	26340	1880	20.99	21.80	1.205			-0.17	1.020	1.229
	LTE Band 25	20M	QPSK	1	0	Right Side	5mm	Ant 0	DSI 7	Close	26140	1860	20.94	21.80	1.219			0.08	1.060	1.292
	LTE Band 25	20M	QPSK	1	0	Right Side	5mm	Ant 0	DSI 7	Close	26590	1905	20.95	21.80	1.216			-0.09	0.846	1.029
	LTE Band 25	20M	QPSK	50	0	Right Side	5mm	Ant 0	DSI 7	Close	26340	1880	20.75	21.80	1.274			0.12	0.790	1.006
	LTE Band 25	20M	QPSK	50	0	Right Side	5mm	Ant 0	DSI 7	Close	26140	1860	20.70	21.80	1.288			0.17	0.864	1.113
	LTE Band 25	20M	QPSK	50	0	Right Side	5mm	Ant 0	DSI 7	Close	26590	1905	20.72	21.80	1.282			-0.16	0.692	0.887
	LTE Band 25	20M	QPSK	100	0	Right Side	5mm	Ant 0	DSI 7	Close	26340	1880	20.89	21.80	1.233			0.04	0.797	0.983
	LTE Band 25	20M	QPSK	1	0	Bottom Side	5mm	Ant 0	DSI 7	Close	26340	1880	20.99	21.80	1.205			0.09	0.282	0.340
	LTE Band 25	20M	QPSK	50	0	Bottom Side	5mm	Ant 0	DSI 7	Close	26340	1880	20.75	21.80	1.274			-0.09	0.232	0.296
	LTE Band 26	15M	QPSK	1	0	Front	5mm	Ant 0	DSI 7	Close	26865	831.5	22.93	24.00	1.279			0.03	0.395	0.505
	LTE Band 26	15M	QPSK	36	0	Front	5mm	Ant 0	DSI 7	Close	26865	831.5	21.93	23.00	1.279			-0.03	0.307	0.393
48	LTE Band 26	15M	QPSK	1	0	Back	5mm	Ant 0	DSI 7	Close	26865	831.5	22.93	24.00	1.279			0.04	0.973	1.244
	LTE Band 26	15M	QPSK	36	0	Back	5mm	Ant 0	DSI 7	Close	26865	831.5	21.93	23.00	1.279			0.12	0.755	0.966
	LTE Band 26	15M	QPSK	75	0	Back	5mm	Ant 0	DSI 7	Close	26865	831.5	21.89	23.00	1.291			-0.19	0.741	0.957
	LTE Band 26	15M	QPSK	1	0															



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	LTE Band 26	15M	QPSK	75	0	Right Side	5mm	Ant 0	DSI 7	Close	26865	831.5	21.89	23.00	1.291			0.08	0.625	0.807
	LTE Band 26	15M	QPSK	1	0	Bottom Side	5mm	Ant 0	DSI 7	Close	26865	831.5	22.93	24.00	1.279			-0.05	0.459	0.587
	LTE Band 26	15M	QPSK	36	0	Bottom Side	5mm	Ant 0	DSI 7	Close	26865	831.5	21.93	23.00	1.279			-0.09	0.357	0.457
	LTE Band 26	15M	QPSK	1	0	Front	5mm	Ant 1	DSI 7	Close	26865	831.5	23.33	24.00	1.167			-0.10	0.315	0.368
	LTE Band 26	15M	QPSK	36	0	Front	5mm	Ant 1	DSI 7	Close	26865	831.5	22.34	23.00	1.164			-0.06	0.264	0.307
	LTE Band 26	15M	QPSK	1	0	Back Right	5mm	Ant 1	DSI 7	Close	26865	831.5	23.33	24.00	1.167			0.06	1.020	1.190
	LTE Band 26	15M	QPSK	36	0	Back Right	5mm	Ant 1	DSI 7	Close	26865	831.5	22.34	23.00	1.164			0.13	0.835	0.972
	LTE Band 26	15M	QPSK	75	0	Back Right	5mm	Ant 1	DSI 7	Close	26865	831.5	22.30	23.00	1.175			0.04	0.831	0.976
	LTE Band 26	15M	QPSK	1	0	Back 1	5mm	Ant 1	DSI 7	Close	26865	831.5	23.33	24.00	1.167			0.03	0.816	0.952
	LTE Band 26	15M	QPSK	36	0	Back 1	5mm	Ant 1	DSI 7	Close	26865	831.5	22.34	23.00	1.164			0.18	0.670	0.780
	LTE Band 26	15M	QPSK	75	0	Back 1	5mm	Ant 1	DSI 7	Close	26865	831.5	22.30	23.00	1.175			-0.18	0.580	0.682
	LTE Band 26	15M	QPSK	1	0	Right Side	5mm	Ant 1	DSI 7	Close	26865	831.5	23.33	24.00	1.167			0.04	1.000	1.167
	LTE Band 26	15M	QPSK	36	0	Right Side	5mm	Ant 1	DSI 7	Close	26865	831.5	22.34	23.00	1.164			-0.08	0.812	0.945
	LTE Band 26	15M	QPSK	75	0	Right Side	5mm	Ant 1	DSI 7	Close	26865	831.5	22.30	23.00	1.175			-0.02	0.810	0.952
	LTE Band 30	10M	QPSK	1	0	Front	5mm	Ant 3	DSI 7	Close	27710	2310	18.90	20.10	1.318			0.07	0.381	0.502
	LTE Band 30	10M	QPSK	25	0	Front	5mm	Ant 3	DSI 7	Close	27710	2310	18.77	20.10	1.358			-0.13	0.282	0.383
	LTE Band 30	10M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 7	Close	27710	2310	18.90	20.10	1.318			0.15	0.899	1.185
	LTE Band 30	10M	QPSK	25	0	Back Top	5mm	Ant 3	DSI 7	Close	27710	2310	18.77	20.10	1.358			0.11	0.754	1.024
	LTE Band 30	10M	QPSK	50	0	Back Top	5mm	Ant 3	DSI 7	Close	27710	2310	18.65	20.10	1.396			0.10	0.754	1.053
	LTE Band 30	10M	QPSK	1	0	Left Side	5mm	Ant 3	DSI 7	Close	27710	2310	18.90	20.10	1.318			-0.14	0.061	0.080
	LTE Band 30	10M	QPSK	25	0	Left Side	5mm	Ant 3	DSI 7	Close	27710	2310	18.77	20.10	1.358			0.10	0.046	0.062
49	LTE Band 30	10M	QPSK	1	0	Top Side	5mm	Ant 3	DSI 7	Close	27710	2310	18.90	20.10	1.318			-0.07	0.979	1.290
	LTE Band 30	10M	QPSK	25	0	Top Side	5mm	Ant 3	DSI 7	Close	27710	2310	18.77	20.10	1.358			-0.11	0.766	1.040
	LTE Band 30	10M	QPSK	50	0	Top Side	5mm	Ant 3	DSI 7	Close	27710	2310	18.65	20.10	1.396			0.16	0.754	1.053
	LTE Band 30	10M	QPSK	1	0	Front	5mm	Ant 2	DSI 7	Close	27710	2310	21.42	22.30	1.225			0.08	0.221	0.271
	LTE Band 30	10M	QPSK	25	0	Front	5mm	Ant 2	DSI 7	Close	27710	2310	21.30	22.30	1.259			0.05	0.172	0.217
	LTE Band 30	10M	QPSK	1	0	Back	5mm	Ant 2	DSI 7	Close	27710	2310	21.42	22.30	1.225			0.09	1.040	1.274
	LTE Band 30	10M	QPSK	25	0	Back	5mm	Ant 2	DSI 7	Close	27710	2310	21.30	22.30	1.259			-0.04	0.822	1.035
	LTE Band 30	10M	QPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	27710	2310	21.26	22.30	1.271			0.10	0.808	1.027
	LTE Band 30	10M	QPSK	1	0	Left Side	5mm	Ant 2	DSI 7	Close	27710	2310	21.42	22.30	1.225			-0.03	0.161	0.197
	LTE Band 30	10M	QPSK	25	0	Left Side	5mm	Ant 2	DSI 7	Close	27710	2310	21.30	22.30	1.259			-0.02	0.127	0.160
	LTE Band 30	10M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	27710	2310	21.42	22.30	1.225			-0.03	0.877	1.074
	LTE Band 30	10M	QPSK	25	0	Bottom Side	5mm	Ant 2	DSI 7	Close	27710	2310	21.30	22.30	1.259			0.05	0.692	0.871
	LTE Band 30	10M	QPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	27710	2310	21.26	22.30	1.271			-0.08	0.687	0.873
	LTE Band 30	10M	QPSK	1	0	Front	5mm	Ant 4	DSI 7	Close	27710	2310	21.80	22.90	1.288			0.10	0.129	0.166
	LTE Band 30	10M	QPSK	25	0	Front	5mm	Ant 4	DSI 7	Close	27710	2310	20.88	21.90	1.265			-0.10	0.098	0.124
	LTE Band 30	10M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 7	Close	27710	2310	21.80	22.90	1.288			0.09	1.000	1.288
	LTE Band 30	10M	QPSK	25	0	Back Right	5mm	Ant 4	DSI 7	Close	27710	2310	20.88	21.90	1.265			0.03	0.810	1.025
	LTE Band 30	10M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 7	Close	27710	2310	20.84	21.90	1.276			-0.16	0.819	1.045
	LTE Band 30	10M	QPSK	1	0	Right Side	5mm	Ant 4	DSI 7	Close	27710	2310	21.80	22.90	1.288			-0.04	0.967	1.245
	LTE Band 30	10M	QPSK	25	0	Right Side	5mm	Ant 4	DSI 7	Close	27710	2310	20.88	21.90	1.265			0.07	0.775	0.980
	LTE Band 30	10M	QPSK	50	0	Right Side	5mm	Ant 4	DSI 7	Close	27710	2310	20.84	21.90	1.276			-0.10	0.770	0.983
	LTE Band 30	10M	QPSK	1	0	Top Side	5mm	Ant 4	DSI 7	Close	27710	2310	21.80	22.90	1.288			-0.08	0.190	0.245
	LTE Band 30	10M	QPSK	25	0	Top Side	5mm	Ant 4	DSI 7	Close	27710	2310	20.88	21.90	1.265			0.12	0.147	0.186
	LTE Band 30	10M	QPSK	1	0	Front	5mm	Ant 0	DSI 7	Close	27710	2310	22.65	23.50	1.216			0.05	0.513	0.624
	LTE Band 30	10M	QPSK	25	0	Front	5mm	Ant 0	DSI 7	Close	27710	2310	21.67	22.50	1.211			-0.15	0.405	0.490
	LTE Band 30	10M	QPSK	1	0	Back	5mm	Ant 0	DSI 7	Close	27710	2310	22.65	23.50	1.216			0.05	1.050	1.277
	LTE Band 30	10M	QPSK	25	0	Back	5mm	Ant 0	DSI 7	Close	27710	2310	21.67	22.50	1.211			-0.17	0.833	1.009
	LTE Band 30	10M	QPSK	50	0	Back	5mm	Ant 0	DSI 7	Close	27710	2310	21.62	22.50	1.225			-0.12	0.830	1.017
	LTE Band 30	10M	QPSK	1	0	Right Side	5mm	Ant 0	DSI 7	Close	27710	2310	22.65	23.50	1.216			0.15	0.489	0.595
	LTE Band 30	10M	QPSK	25	0	Right Side	5mm	Ant 0	DSI 7	Close	27710	2310	21.67	22.50	1.211			-0.19	0.375	0.454
	LTE Band 30	10M	QPSK	1	0	Bottom Side	5mm	Ant 0	DSI 7	Close	27710	2310	22.65	23.50	1.216			-0.12	0.638	0.776
	LTE Band 30	10M	QPSK	25	0	Bottom Side	5mm	Ant 0	DSI 7	Close	27710	2310	21.67	22.50	1.211			-0.13	0.486	0.589
	LTE Band 66	20M	QPSK	1	0	Front	5mm	Ant 3	DSI 7	Close	132322	1745	18.43	19.50	1.279			0.06	0.091	0.116
	LTE Band 66	20M	QPSK	50	0	Front	5mm	Ant 3	DSI 7	Close	132322	1745	18.24	19.50	1.337			-0.15	0.072	0.096
	LTE Band 66	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 7	Close	132322	1745	18.43	19.50	1.279			0.07	0.894	1.143
	LTE Band 66	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 7	Close	132072	1720	18.41	19.50	1.285			-0.08	0.838	1.077
	LTE Band 66	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 7	Close	132572	1770	18.39	19.50	1.291			-0.07	0.996	1.286
	LTE Band 66	20M	QPSK	50	0	Back Top	5mm	Ant 3	DSI 7	Close	132322	1745	18.24	19.50	1.337			-0.10	0.331	0.443
	LTE Band 66	20M	QPSK	100	0	Back Top	5mm	Ant 3	DSI 7	Close	132322	1745	18.17	19.50	1.358			0.16	0.302	0.410
	LTE Band 66	20M	QPSK	1	0	Left Side	5mm	Ant 3	DSI 7	Close	132322	1745	18.43	19.50	1.279			-0.06	0.014	0.018
	LTE Band 66	20M	QPSK	50	0	Left Side	5mm	Ant 3	DSI 7	Close	132322	1745	18.24	19.50	1.337			0.10	0.010	0.013
	LTE Band 66	20M	QPSK	1	0	Top Side	5mm	Ant 3	DSI 7	Close	132322	1745	18.43	19.50	1.279			0.16	0.371	0.475
	LTE Band 66	20M	QPSK	50	0	Top Side	5mm	Ant 3	DSI 7	Close	132322	1745	18.24	19.50	1.337			-0.03	0.291	0.389
	LTE Band 66	20M	QPSK	1	0	Front	5mm	Ant 2	DSI 7	Close	132322	1745	18.83	19.70	1.222			-0.10	0.187	0.229
	LTE Band 66	20M	QPSK	50	0	Front	5mm	Ant 2	DSI 7	Close	132322	1745	18.72	19.70	1.253			-0.18	0.146	0.183
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 7	Close	132322	1745	18.83	19.70	1.222			-0.16	0.884	1.080
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 7	Close	132072	1720	18.82	19.70	1.225			0.03	0.784	0.960
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 7	Close	132572	1770	18.79	19.70	1.233			-0.00	0.875	1.079
	LTE Band 66	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	132322	1745	18.72	19.70	1.253			0.15	0.708	0.887
	LTE Band 66	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	132072	1720	18.70	19.70	1.259			-0.01	0.631	0.794
	LTE Band 66	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	132572	1770	18.63	19.70	1.279			0.08	0.692	0.885
	LTE Band 66	20																		



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	LTE Band 66	20M	QPSK	1	0	Left Side	5mm	Ant 2	DSI 7	Close	132322	1745	18.83	19.70	1.222			0.03	0.113	0.138
	LTE Band 66	20M	QPSK	50	0	Left Side	5mm	Ant 2	DSI 7	Close	132322	1745	18.72	19.70	1.253			-0.05	0.091	0.114
	LTE Band 66	20M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	132322	1745	18.83	19.70	1.222			0.08	1.040	1.271
	LTE Band 66	20M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	132072	1720	18.82	19.70	1.225			-0.03	0.930	1.139
	LTE Band 66	20M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	132572	1770	18.79	19.70	1.233			0.18	0.976	1.203
	LTE Band 66	20M	QPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	132322	1745	18.72	19.70	1.253			0.09	0.827	1.036
	LTE Band 66	20M	QPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	132072	1720	18.70	19.70	1.259			-0.01	0.769	0.968
	LTE Band 66	20M	QPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	132572	1770	18.63	19.70	1.279			-0.07	0.823	1.053
	LTE Band 66	20M	QPSK	100	0	Bottom Side	5mm	Ant 2	DSI 7	Close	132322	1745	18.59	19.70	1.291			0.14	0.827	1.068
	LTE Band 66	20M	QPSK	1	0	Front	5mm	Ant 4	DSI 7	Close	132322	1745	21.23	22.30	1.279			-0.13	0.190	0.243
	LTE Band 66	20M	QPSK	50	0	Front	5mm	Ant 4	DSI 7	Close	132322	1745	20.60	21.80	1.318			0.15	0.152	0.200
	LTE Band 66	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 7	Close	132322	1745	21.23	22.30	1.279			0.18	0.935	1.196
	LTE Band 66	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 7	Close	132072	1720	21.22	22.30	1.282			0.06	0.922	1.182
	LTE Band 66	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 7	Close	132572	1770	21.19	22.30	1.291			0.15	0.999	1.290
	LTE Band 66	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 7	Close	132322	1745	20.60	21.80	1.318			-0.07	0.820	1.081
	LTE Band 66	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 7	Close	132072	1720	20.56	21.80	1.33			-0.01	0.768	1.021
	LTE Band 66	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 7	Close	132572	1770	20.54	21.80	1.337			0.03	0.865	1.157
	LTE Band 66	20M	QPSK	100	0	Back Right	5mm	Ant 4	DSI 7	Close	132322	1745	20.61	21.80	1.315			0.04	0.832	1.094
	LTE Band 66	20M	QPSK	1	0	Right Side	5mm	Ant 4	DSI 7	Close	132322	1745	21.23	22.30	1.279			0.05	0.858	1.097
	LTE Band 66	20M	QPSK	1	0	Right Side	5mm	Ant 4	DSI 7	Close	132072	1720	21.22	22.30	1.282			0.18	0.890	1.141
	LTE Band 66	20M	QPSK	1	0	Right Side	5mm	Ant 4	DSI 7	Close	132572	1770	21.19	22.30	1.291			0.01	0.769	0.993
	LTE Band 66	20M	QPSK	50	0	Right Side	5mm	Ant 4	DSI 7	Close	132322	1745	20.60	21.80	1.318			0.13	0.813	1.072
	LTE Band 66	20M	QPSK	50	0	Right Side	5mm	Ant 4	DSI 7	Close	132072	1720	20.56	21.80	1.33			0.18	0.768	1.021
	LTE Band 66	20M	QPSK	50	0	Right Side	5mm	Ant 4	DSI 7	Close	132572	1770	20.54	21.80	1.337			0.06	0.865	1.157
	LTE Band 66	20M	QPSK	100	0	Right Side	5mm	Ant 4	DSI 7	Close	132322	1745	20.61	21.80	1.315			-0.15	0.820	1.078
	LTE Band 66	20M	QPSK	1	0	Top Side	5mm	Ant 4	DSI 7	Close	132322	1745	21.23	22.30	1.279			0.07	0.058	0.074
	LTE Band 66	20M	QPSK	50	0	Top Side	5mm	Ant 4	DSI 7	Close	132322	1745	20.60	21.80	1.318			-0.14	0.050	0.066
	LTE Band 66	20M	QPSK	1	0	Front	5mm	Ant 0	DSI 7	Close	132322	1745	18.55	19.60	1.274			0.11	0.070	0.089
	LTE Band 66	20M	QPSK	50	0	Front	5mm	Ant 0	DSI 7	Close	132322	1745	18.42	19.60	1.312			-0.00	0.056	0.073
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 7	Close	132322	1745	18.55	19.60	1.274			-0.12	0.559	0.712
	LTE Band 66	20M	QPSK	50	0	Back	5mm	Ant 0	DSI 7	Close	132322	1745	18.42	19.60	1.312			-0.12	0.448	0.588
	LTE Band 66	20M	QPSK	1	0	Right Side	5mm	Ant 0	DSI 7	Close	132322	1745	18.55	19.60	1.274			-0.18	0.843	1.074
50	LTE Band 66	20M	QPSK	1	0	Right Side	5mm	Ant 0	DSI 7	Close	132072	1720	18.52	19.60	1.282			0.05	1.010	1.295
	LTE Band 66	20M	QPSK	1	0	Right Side	5mm	Ant 0	DSI 7	Close	132572	1770	18.49	19.60	1.291			0.06	0.885	1.143
	LTE Band 66	20M	QPSK	50	0	Right Side	5mm	Ant 0	DSI 7	Close	132322	1745	18.42	19.60	1.312			0.18	0.670	0.879
	LTE Band 66	20M	QPSK	50	0	Right Side	5mm	Ant 0	DSI 7	Close	132072	1720	18.39	19.60	1.321			0.18	0.798	1.054
	LTE Band 66	20M	QPSK	50	0	Right Side	5mm	Ant 0	DSI 7	Close	132572	1770	18.32	19.60	1.343			0.01	0.698	0.937
	LTE Band 66	20M	QPSK	100	0	Right Side	5mm	Ant 0	DSI 7	Close	132322	1745	18.39	19.60	1.321			0.04	0.680	0.898
	LTE Band 66	20M	QPSK	1	0	Bottom Side	5mm	Ant 0	DSI 7	Close	132322	1745	18.55	19.60	1.274			-0.18	0.163	0.208
	LTE Band 66	20M	QPSK	50	0	Bottom Side	5mm	Ant 0	DSI 7	Close	132322	1745	18.42	19.60	1.312			-0.12	0.129	0.169
	LTE Band 66 Sample2	20M	QPSK	1	0	Right Side	5mm	Ant 0	DSI 7	Close	132072	1720	18.52	19.6	1.282			-0.01	0.972	1.246
	LTE Band 71	20M	QPSK	1	0	Front	5mm	Ant 0	DSI 7	Close	133297	680.5	23.30	24.00	1.175			0.07	0.273	0.321
	LTE Band 71	20M	QPSK	50	0	Front	5mm	Ant 0	DSI 7	Close	133297	680.5	22.38	23.00	1.153			-0.16	0.222	0.256
	LTE Band 71	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 7	Close	133297	680.5	23.30	24.00	1.175			-0.08	0.597	0.701
	LTE Band 71	20M	QPSK	50	0	Back	5mm	Ant 0	DSI 7	Close	133297	680.5	22.38	23.00	1.153			-0.06	0.471	0.543
51	LTE Band 71	20M	QPSK	1	0	Right Side	5mm	Ant 0	DSI 7	Close	133297	680.5	23.30	24.00	1.175			0.05	0.909	1.068
	LTE Band 71	20M	QPSK	50	0	Right Side	5mm	Ant 0	DSI 7	Close	133297	680.5	22.38	23.00	1.153			0.14	0.709	0.817
	LTE Band 71	20M	QPSK	100	0	Right Side	5mm	Ant 0	DSI 7	Close	133297	680.5	22.31	23.00	1.172			0.09	0.704	0.825
	LTE Band 71	20M	QPSK	1	0	Bottom Side	5mm	Ant 0	DSI 7	Close	133297	680.5	23.30	24.00	1.175			-0.09	0.432	0.508
	LTE Band 71	20M	QPSK	50	0	Bottom Side	5mm	Ant 0	DSI 7	Close	133297	680.5	22.38	23.00	1.153			-0.06	0.345	0.398
	LTE Band 71	20M	QPSK	1	0	Front	5mm	Ant 1	DSI 7	Close	133297	680.5	23.39	24.00	1.151			0.09	0.262	0.302
	LTE Band 71	20M	QPSK	50	0	Front	5mm	Ant 1	DSI 7	Close	133297	680.5	22.36	23.00	1.159			0.02	0.225	0.261
	LTE Band 71	20M	QPSK	1	0	Back Right	5mm	Ant 1	DSI 7	Close	133297	680.5	23.39	24.00	1.151			0.18	0.859	0.989
	LTE Band 71	20M	QPSK	50	0	Back Right	5mm	Ant 1	DSI 7	Close	133297	680.5	22.36	23.00	1.159			0.12	0.745	0.863
	LTE Band 71	20M	QPSK	100	0	Back Right	5mm	Ant 1	DSI 7	Close	133297	680.5	22.32	23.00	1.169			-0.12	0.749	0.876
	LTE Band 71	20M	QPSK	1	0	Back 1	5mm	Ant 1	DSI 7	Close	133297	680.5	23.39	24.00	1.151			0.03	0.724	0.833
	LTE Band 71	20M	QPSK	50	0	Back 1	5mm	Ant 1	DSI 7	Close	133297	680.5	22.36	23.00	1.159			-0.13	0.632	0.732
	LTE Band 71	20M	QPSK	100	0	Back 1	5mm	Ant 1	DSI 7	Close	133297	680.5	22.32	23.00	1.169			0.13	0.628	0.734
	LTE Band 71	20M	QPSK	1	0	Right Side	5mm	Ant 1	DSI 7	Close	133297	680.5	23.39	24.00	1.151			-0.12	0.836	0.962
	LTE Band 71	20M	QPSK	50	0	Right Side	5mm	Ant 1	DSI 7	Close	133297	680.5	22.36	23.00	1.159			-0.17	0.715	0.829
	LTE Band 71	20M	QPSK	100	0	Right Side	5mm	Ant 1	DSI 7	Close	133297	680.5	22.32	23.00	1.169			0.16	0.699	0.817
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 3	DSI 7	Close	40620	2593	17.62	18.60	1.253	62.9	1.006	-0.15	0.415	0.523
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 3	DSI 7	Close	40620	2593	17.53	18.60	1.279	62.9	1.006	0.15	0.340	0.437
	LTE Band 41	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 7	Close	40620	2593	17.62	18.60	1.253	62.9	1.006	0.11	0.869	1.095
	LTE Band 41	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 7	Close	39750	2506	17.55	18.60	1.274	62.9	1.006	-0.03	0.830	1.064
	LTE Band 41	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 7	Close	40185	2549.5	17.59	18.60	1.262	62.9	1.006	-0.12	0.957	1.215
	LTE Band 41	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 7	Close	41055	2636.5	17.59	18.60	1.262	62.9	1.006	0.06	0.650	0.825
	LTE Band 41	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 7	Close	41490	2680	17.51	18.60	1.285	62.9	1.006	-0.06	0.533	0.689
	LTE Band 41	20M	QPSK	50	0	Back Top	5mm	Ant 3	DSI 7	Close	40620	2593	17.53	18.60	1.279	62.9	1.006	-0.18	0.706	0.908
	LTE Band 41	20M	QPSK	50	0	Back Top	5mm	Ant 3	DSI 7	Close	39750	2506	17.41	18.60	1.315	62.9	1.006	0.09	0.662	0.876
	LTE Band 41	20M	QPSK	50	0	Back Top	5mm	Ant 3	DSI 7	Close	40185	2549.5	17.44	18.60	1.306	62.9	1.006	0.02	0.766	1.006



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	LTE Band 41	20M	QPSK	100	0	Back Top	5mm	Ant 3	DSI 7	Close	40620	2593	17.50	18.60	1.288	62.9	1.006	-0.14	0.693	0.898
	LTE Band 41	20M	QPSK	1	0	Left Side	5mm	Ant 3	DSI 7	Close	40620	2593	17.62	18.60	1.253	62.9	1.006	0.11	0.041	0.052
	LTE Band 41	20M	QPSK	50	0	Left Side	5mm	Ant 3	DSI 7	Close	40620	2593	17.53	18.60	1.279	62.9	1.006	0.09	0.034	0.044
	LTE Band 41	20M	QPSK	1	0	Top Side	5mm	Ant 3	DSI 7	Close	40620	2593	17.62	18.60	1.253	62.9	1.006	0.11	0.965	1.216
	LTE Band 41	20M	QPSK	1	0	Top Side	5mm	Ant 3	DSI 7	Close	39750	2506	17.55	18.60	1.274	62.9	1.006	-0.05	0.803	1.029
	LTE Band 41	20M	QPSK	1	0	Top Side	5mm	Ant 3	DSI 7	Close	40185	2549.5	17.59	18.60	1.262	62.9	1.006	0.01	0.994	1.262
	LTE Band 41	20M	QPSK	1	0	Top Side	5mm	Ant 3	DSI 7	Close	41055	2636.5	17.59	18.60	1.262	62.9	1.006	0.08	0.784	0.995
	LTE Band 41	20M	QPSK	1	0	Top Side	5mm	Ant 3	DSI 7	Close	41490	2680	17.51	18.60	1.285	62.9	1.006	0.15	0.805	1.041
	LTE Band 41	20M	QPSK	50	0	Top Side	5mm	Ant 3	DSI 7	Close	40620	2593	17.53	18.60	1.279	62.9	1.006	0.14	0.797	1.025
	LTE Band 41	20M	QPSK	50	0	Top Side	5mm	Ant 3	DSI 7	Close	39750	2506	17.41	18.60	1.315	62.9	1.006	-0.17	0.668	0.884
	LTE Band 41	20M	QPSK	50	0	Top Side	5mm	Ant 3	DSI 7	Close	40185	2549.5	17.44	18.60	1.306	62.9	1.006	-0.19	0.801	1.052
	LTE Band 41	20M	QPSK	50	0	Top Side	5mm	Ant 3	DSI 7	Close	41055	2636.5	17.51	18.60	1.285	62.9	1.006	0.18	0.643	0.831
	LTE Band 41	20M	QPSK	50	0	Top Side	5mm	Ant 3	DSI 7	Close	41490	2680	17.47	18.60	1.297	62.9	1.006	-0.08	0.652	0.851
	LTE Band 41	20M	QPSK	100	0	Top Side	5mm	Ant 3	DSI 7	Close	40620	2593	17.50	18.60	1.288	62.9	1.006	-0.09	0.803	1.040
	LTE Band 41 HPUE	20M	QPSK	1	0	Top Side	5mm	Ant 3	DSI 7	Close	40185	2549.5	19.36	20.20	1.213	42.9	1.009	0.08	1.040	1.273
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 2	DSI 7	Close	40620	2593	21.36	22.00	1.159	62.9	1.006	-0.15	0.278	0.324
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 2	DSI 7	Close	40620	2593	21.29	22.00	1.178	62.9	1.006	-0.15	0.223	0.264
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 7	Close	40620	2593	21.36	22.00	1.159	62.9	1.006	0.09	1.010	1.178
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 7	Close	39750	2506	21.30	22.00	1.175	62.9	1.006	-0.18	0.956	1.130
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 7	Close	40185	2549.5	21.25	22.00	1.189	62.9	1.006	0.00	0.989	1.183
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 7	Close	41055	2636.5	21.28	22.00	1.18	62.9	1.006	0.04	0.960	1.140
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 7	Close	41490	2680	21.30	22.00	1.175	62.9	1.006	-0.16	0.919	1.086
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	40620	2593	21.29	22.00	1.178	62.9	1.006	-0.17	0.803	0.952
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	39750	2506	21.28	22.00	1.18	62.9	1.006	0.05	0.778	0.924
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	40185	2549.5	21.26	22.00	1.186	62.9	1.006	0.17	0.803	0.958
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	41055	2636.5	21.19	22.00	1.205	62.9	1.006	-0.14	0.807	0.978
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	41490	2680	21.28	22.00	1.18	62.9	1.006	0.08	0.637	0.756
	LTE Band 41	20M	QPSK	100	0	Back	5mm	Ant 2	DSI 7	Close	40620	2593	21.18	22.00	1.208	62.9	1.006	0.12	0.782	0.950
	LTE Band 41	20M	QPSK	1	0	Left Side	5mm	Ant 2	DSI 7	Close	40620	2593	21.36	22.00	1.159	62.9	1.006	0.03	0.141	0.164
	LTE Band 41	20M	QPSK	50	0	Left Side	5mm	Ant 2	DSI 7	Close	40620	2593	21.29	22.00	1.178	62.9	1.006	-0.14	0.113	0.134
	LTE Band 41	20M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	40620	2593	21.36	22.00	1.159	62.9	1.006	0.08	0.952	1.110
	LTE Band 41	20M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	39750	2506	21.30	22.00	1.175	62.9	1.006	-0.01	0.894	1.057
	LTE Band 41	20M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	40185	2549.5	21.25	22.00	1.189	62.9	1.006	0.03	1.080	1.292
	LTE Band 41	20M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	41055	2636.5	21.28	22.00	1.18	62.9	1.006	-0.00	0.823	0.977
	LTE Band 41	20M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	41490	2680	21.30	22.00	1.175	62.9	1.006	0.03	0.948	1.121
	LTE Band 41	20M	QPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	40620	2593	21.29	22.00	1.178	62.9	1.006	-0.16	0.753	0.892
	LTE Band 41	20M	QPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	39750	2506	21.28	22.00	1.18	62.9	1.006	-0.07	0.728	0.864
	LTE Band 41	20M	QPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	40185	2549.5	21.26	22.00	1.186	62.9	1.006	-0.06	0.749	0.894
	LTE Band 41	20M	QPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	41055	2636.5	21.19	22.00	1.205	62.9	1.006	-0.01	0.852	1.033
	LTE Band 41	20M	QPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	41490	2680	21.28	22.00	1.18	62.9	1.006	-0.02	0.650	0.772
	LTE Band 41	20M	QPSK	100	0	Bottom Side	5mm	Ant 2	DSI 7	Close	40620	2593	21.18	22.00	1.208	62.9	1.006	0.14	0.732	0.890
	LTE Band 41 HPUE	20M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	40185	2549.5	22.85	23.60	1.189	42.9	1.009	-0.08	1.070	1.284
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 4	DSI 7	Close	40620	2593	22.05	22.70	1.161	62.9	1.006	-0.15	0.103	0.120
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 4	DSI 7	Close	40620	2593	21.09	21.70	1.151	62.9	1.006	-0.01	0.097	0.112
	LTE Band 41	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 7	Close	40620	2593	22.05	22.70	1.161	62.9	1.006	0.05	0.926	1.082
	LTE Band 41	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 7	Close	39750	2506	21.92	22.70	1.197	62.9	1.006	0.05	0.871	1.049
	LTE Band 41	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 7	Close	40185	2549.5	21.95	22.70	1.189	62.9	1.006	-0.04	0.949	1.135
	LTE Band 41	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 7	Close	41055	2636.5	21.89	22.70	1.205	62.9	1.006	0.02	1.020	1.236
	LTE Band 41	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 7	Close	41490	2680	21.88	22.70	1.208	62.9	1.006	-0.17	0.910	1.106
	LTE Band 41	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 7	Close	40620	2593	21.09	21.70	1.151	62.9	1.006	0.07	0.708	0.820
	LTE Band 41	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 7	Close	39750	2506	21.02	21.70	1.169	62.9	1.006	0.10	0.654	0.769
	LTE Band 41	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 7	Close	40185	2549.5	21.06	21.70	1.159	62.9	1.006	0.02	0.690	0.805
	LTE Band 41	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 7	Close	41055	2636.5	20.96	21.70	1.186	62.9	1.006	0.07	0.734	0.876
	LTE Band 41	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 7	Close	41490	2680	20.92	21.70	1.197	62.9	1.006	-0.11	0.716	0.862
	LTE Band 41	20M	QPSK	100	0	Back Right	5mm	Ant 4	DSI 7	Close	40620	2593	21.07	21.70	1.156	62.9	1.006	0.14	0.634	0.737
	LTE Band 41	20M	QPSK	1	0	Right Side	5mm	Ant 4	DSI 7	Close	40620	2593	22.05	22.70	1.161	62.9	1.006	-0.10	0.989	1.155
	LTE Band 41	20M	QPSK	1	0	Right Side	5mm	Ant 4	DSI 7	Close	39750	2506	21.92	22.70	1.197	62.9	1.006	-0.03	0.871	1.049
	LTE Band 41	20M	QPSK	1	0	Right Side	5mm	Ant 4	DSI 7	Close	40185	2549.5	21.95	22.70	1.189	62.9	1.006	0.11	0.910	1.088
	LTE Band 41	20M	QPSK	1	0	Right Side	5mm	Ant 4	DSI 7	Close	41055	2636.5	21.89	22.70	1.205	62.9	1.006	-0.15	0.996	1.207
	LTE Band 41	20M	QPSK	1	0	Right Side	5mm	Ant 4	DSI 7	Close	41490	2680	21.88	22.70	1.208	62.9	1.006	0.18	0.894	1.086
	LTE Band 41	20M	QPSK	50	0	Right Side	5mm	Ant 4	DSI 7	Close	40620	2593	21.09	21.70	1.151	62.9	1.006	0.02	0.800	0.926
	LTE Band 41	20M	QPSK	50	0	Right Side	5mm	Ant 4	DSI 7	Close	39750	2506	21.02	21.70	1.169	62.9	1.006	-0.08	0.693	0.815
	LTE Band 41	20M	QPSK	50	0	Right Side	5mm	Ant 4	DSI 7	Close	40185	2549.5	21.06	21.70	1.159	62.9	1.006	0.12	0.762	0.888
	LTE Band 41	20M	QPSK	50	0	Right Side	5mm	Ant 4	DSI 7	Close	41055	2636.5	20.96	21.70	1.186	62.9	1.006	0.12	0.800	0.954
	LTE Band 41	20M	QPSK	50	0	Right Side	5mm	Ant 4	DSI 7	Close	41490	2680	20.92	21.70	1.197	62.9	1.006	0.09	0.734	0.884
	LTE Band 41	20M	QPSK	100	0	Right Side	5mm	Ant 4	DSI 7	Close	40620	2593	21.07	21.70	1.156	62.9	1.006	0.19	0.800	0.930
	LTE Band 41	20M	QPSK	1	0	Top Side	5mm	Ant 4	DSI 7	Close	40620	2593	22.05	22.70	1.161	62.9	1.006	0.10	0.177	0.207
	LTE Band 41	20M	QPSK	50	0	Top Side	5mm	Ant 4	DSI 7	Close	40620	2593	21.09	21						



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	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 7	Close	39750	2506	22.73	23.60	1.222	62.9	1.006	0.08	0.557	0.685
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 7	Close	40185	2549.5	22.84	23.60	1.191	62.9	1.006	0.12	0.306	0.367
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 7	Close	41055	2636.5	22.88	23.60	1.18	62.9	1.006	0.19	0.724	0.859
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 7	Close	41490	2680	22.87	23.60	1.183	62.9	1.006	-0.03	0.707	0.841
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 0	DSI 7	Close	40620	2593	21.97	22.60	1.156	62.9	1.006	0.12	0.491	0.571
	LTE Band 41	20M	QPSK	100	0	Back	5mm	Ant 0	DSI 7	Close	40620	2593	21.89	22.60	1.178	62.9	1.006	0.00	0.482	0.571
	LTE Band 41	20M	QPSK	1	0	Right Side	5mm	Ant 0	DSI 7	Close	40620	2593	22.90	23.60	1.175	62.9	1.006	0.14	0.643	0.760
	LTE Band 41	20M	QPSK	1	0	Right Side	5mm	Ant 0	DSI 7	Close	39750	2506	22.73	23.60	1.222	62.9	1.006	-0.11	0.889	1.093
52	LTE Band 41	20M	QPSK	1	0	Right Side	5mm	Ant 0	DSI 7	Close	40185	2549.5	22.84	23.60	1.191	62.9	1.006	0.01	1.080	1.294
	LTE Band 41	20M	QPSK	1	0	Right Side	5mm	Ant 0	DSI 7	Close	41055	2636.5	22.88	23.60	1.18	62.9	1.006	-0.18	1.000	1.187
	LTE Band 41	20M	QPSK	1	0	Right Side	5mm	Ant 0	DSI 7	Close	41490	2680	22.87	23.60	1.183	62.9	1.006	0.10	0.966	1.150
	LTE Band 41	20M	QPSK	50	0	Right Side	5mm	Ant 0	DSI 7	Close	40620	2593	21.97	22.60	1.156	62.9	1.006	-0.12	0.498	0.579
	LTE Band 41	20M	QPSK	100	0	Right Side	5mm	Ant 0	DSI 7	Close	40620	2593	21.89	22.60	1.178	62.9	1.006	-0.13	0.494	0.585
	LTE Band 41	20M	QPSK	1	0	Bottom Side	5mm	Ant 0	DSI 7	Close	40620	2593	22.90	23.60	1.175	62.9	1.006	0.00	0.426	0.504
	LTE Band 41	20M	QPSK	50	0	Bottom Side	5mm	Ant 0	DSI 7	Close	40620	2593	21.97	22.60	1.156	62.9	1.006	0.15	0.345	0.401
	LTE Band 41 HPUE	20M	QPSK	1	0	Right Side	5mm	Ant 0	DSI 7	Close	40185	2549.5	24.33	25.20	1.222	42.9	1.009	0.01	1.000	1.233
	LTE Band 41 HPUE Sample2	20M	QPSK	1	0	Right Side	5mm	Ant 0	DSI 7	Close	40185	2549.5	24.33	25.2	1.222	42.9	1.009	0.07	0.964	1.189
	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 2	DSI 7	Close	42590	3500	18.19	19.30	1.291	62.9	1.006	-0.04	0.122	0.158
	LTE Band 42	20M	QPSK	50	0	Front	5mm	Ant 2	DSI 7	Close	42590	3500	18.00	19.30	1.349	62.9	1.006	-0.16	0.099	0.134
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 7	Close	42590	3500	18.19	19.30	1.291	62.9	1.006	0.08	0.834	1.083
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 7	Close	42190	3460	18.15	19.30	1.303	62.9	1.006	-0.13	0.683	0.895
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 7	Close	42990	3540	18.11	19.30	1.315	62.9	1.006	-0.04	0.842	1.114
	LTE Band 42	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	42590	3500	18.00	19.30	1.349	62.9	1.006	-0.03	0.663	0.900
	LTE Band 42	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	42190	3460	17.92	19.30	1.374	62.9	1.006	-0.07	0.557	0.770
	LTE Band 42	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	42990	3540	17.91	19.30	1.377	62.9	1.006	0.08	0.683	0.946
	LTE Band 42	20M	QPSK	100	0	Back	5mm	Ant 2	DSI 7	Close	42590	3500	18.01	19.30	1.346	62.9	1.006	-0.00	0.661	0.895
	LTE Band 42	20M	QPSK	1	0	Left Side	5mm	Ant 2	DSI 7	Close	42590	3500	18.19	19.30	1.291	62.9	1.006	0.04	0.079	0.103
	LTE Band 42	20M	QPSK	50	0	Left Side	5mm	Ant 2	DSI 7	Close	42590	3500	18.00	19.30	1.349	62.9	1.006	-0.10	0.063	0.085
	LTE Band 42	20M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	42590	3500	18.19	19.30	1.291	62.9	1.006	0.03	0.987	1.282
	LTE Band 42	20M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	42190	3460	18.15	19.30	1.303	62.9	1.006	0.09	0.780	1.022
	LTE Band 42	20M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	42990	3540	18.11	19.30	1.315	62.9	1.006	-0.00	0.895	1.184
	LTE Band 42	20M	QPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	42590	3500	18.00	19.30	1.349	62.9	1.006	0.12	0.738	1.002
	LTE Band 42	20M	QPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	42190	3460	17.92	19.30	1.374	62.9	1.006	0.06	0.627	0.867
	LTE Band 42	20M	QPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	42990	3540	17.91	19.30	1.377	62.9	1.006	0.05	0.695	0.963
	LTE Band 42	20M	QPSK	100	0	Bottom Side	5mm	Ant 2	DSI 7	Close	42590	3500	18.01	19.30	1.346	62.9	1.006	-0.10	0.731	0.990
	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 4	DSI 7	Close	42590	3500	22.12	23	1.225	62.9	1.006	0.03	0.061	0.075
	LTE Band 42	20M	QPSK	50	0	Front	5mm	Ant 4	DSI 7	Close	42590	3500	22.05	23	1.245	62.9	1.006	0.17	0.051	0.064
	LTE Band 42	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 7	Close	42590	3500	22.12	23	1.225	62.9	1.006	-0.01	0.991	1.221
	LTE Band 42	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 7	Close	42190	3460	22.06	23	1.242	62.9	1.006	0.12	0.851	1.063
	LTE Band 42	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 7	Close	42990	3540	22.02	23	1.253	62.9	1.006	0.02	0.905	1.141
	LTE Band 42	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 7	Close	42590	3500	22.05	23	1.245	62.9	1.006	-0.02	0.758	0.949
	LTE Band 42	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 7	Close	42190	3460	22.01	23	1.256	62.9	1.006	0.13	0.675	0.853
	LTE Band 42	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 7	Close	42990	3540	22.03	23	1.250	62.9	1.006	-0.14	0.686	0.863
	LTE Band 42	20M	QPSK	100	0	Back Right	5mm	Ant 4	DSI 7	Close	42590	3500	22.03	23	1.250	62.9	1.006	0.07	0.790	0.993
	LTE Band 42	20M	QPSK	1	0	Right Side	5mm	Ant 4	DSI 7	Close	42590	3500	22.12	23	1.225	62.9	1.006	0.03	0.533	0.657
	LTE Band 42	20M	QPSK	50	0	Right Side	5mm	Ant 4	DSI 7	Close	42590	3500	22.05	23	1.245	62.9	1.006	0.02	0.429	0.537
	LTE Band 42	20M	QPSK	1	0	Top Side	5mm	Ant 4	DSI 7	Close	42590	3500	22.12	23	1.225	62.9	1.006	-0.12	0.078	0.096
	LTE Band 42	20M	QPSK	50	0	Top Side	5mm	Ant 4	DSI 7	Close	42590	3500	22.05	23	1.245	62.9	1.006	-0.02	0.070	0.088
	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 6	DSI 7	Close	42590	3500	20.23	20.80	1.14	62.9	1.006	0.07	0.098	0.112
	LTE Band 42	20M	QPSK	50	0	Front	5mm	Ant 6	DSI 7	Close	42590	3500	20.08	20.80	1.18	62.9	1.006	0.11	0.076	0.090
	LTE Band 42	20M	QPSK	1	0	Back Top	5mm	Ant 6	DSI 7	Close	42590	3500	20.23	20.80	1.14	62.9	1.006	0.03	0.970	1.112
	LTE Band 42	20M	QPSK	1	0	Back Top	5mm	Ant 6	DSI 7	Close	42190	3460	20.20	20.80	1.148	62.9	1.006	0.09	0.961	1.110
	LTE Band 42	20M	QPSK	1	0	Back Top	5mm	Ant 6	DSI 7	Close	42990	3540	20.18	20.80	1.153	62.9	1.006	-0.05	0.834	0.967
	LTE Band 42	20M	QPSK	50	0	Back Top	5mm	Ant 6	DSI 7	Close	42590	3500	20.08	20.80	1.18	62.9	1.006	0.06	0.793	0.941
	LTE Band 42	20M	QPSK	50	0	Back Top	5mm	Ant 6	DSI 7	Close	42190	3460	20.01	20.80	1.199	62.9	1.006	-0.03	0.783	0.944
	LTE Band 42	20M	QPSK	50	0	Back Top	5mm	Ant 6	DSI 7	Close	42990	3540	20.07	20.80	1.183	62.9	1.006	0.05	0.739	0.879
	LTE Band 42	20M	QPSK	100	0	Back Top	5mm	Ant 6	DSI 7	Close	42590	3500	20.00	20.80	1.202	62.9	1.006	-0.09	0.765	0.925
	LTE Band 42	20M	QPSK	1	0	Right Side	5mm	Ant 6	DSI 7	Close	42590	3500	20.23	20.80	1.14	62.9	1.006	0.08	0.099	0.114
	LTE Band 42	20M	QPSK	50	0	Right Side	5mm	Ant 6	DSI 7	Close	42590	3500	20.08	20.80	1.18	62.9	1.006	-0.15	0.076	0.090
	LTE Band 42	20M	QPSK	1	0	Top Side	5mm	Ant 6	DSI 7	Close	42590	3500	20.23	20.80	1.14	62.9	1.006	0.01	0.944	1.083
	LTE Band 42	20M	QPSK	1	0	Top Side	5mm	Ant 6	DSI 7	Close	42190	3460	20.20	20.80	1.148	62.9	1.006	0.05	0.891	1.029
	LTE Band 42	20M	QPSK	1	0	Top Side	5mm	Ant 6	DSI 7	Close	42990	3540	20.18	20.80	1.153	62.9	1.006	-0.03	0.877	1.017
	LTE Band 42	20M	QPSK	50	0	Top Side	5mm	Ant 6	DSI 7	Close	42590	3500	20.08	20.80	1.18	62.9	1.006	0.17	0.750	0.890
	LTE Band 42	20M	QPSK	50	0	Top Side	5mm	Ant 6	DSI 7	Close	42190	3460	20.01	20.80	1.199	62.9	1.006	-0.15	0.728	0.878
	LTE Band 42	20M	QPSK	50	0	Top Side	5mm	Ant 6	DSI 7	Close	42990	3540	20.07	20.80	1.183	62.9	1.006	-0.16	0.735	0.875
	LTE Band 42	20M	QPSK	100	0	Top Side	5mm	Ant 6	DSI 7	Close	42590	3500	20.00	20.80	1.202	62.9	1.006	-0.14	0.722	0.873
	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 7	Close	42590	3500	18.21	19.3	1.285	62.9	1.006	0.09	0.193	0.249
	LTE Band 42	20M	QPSK	50	0	Front	5mm	Ant 8	DSI 7	Close	42590	3500	18.1	19.3	1.318	62.9	1.006	0.13	0.151	0.2
	LTE Band 42																			



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	LTE Band 42	20M	QPSK	50	0	Back Top	5mm	Ant 8	DSI 7	Close	42190	3460	18.08	19.3	1.324	62.9	1.006	0.08	0.731	0.974
	LTE Band 42	20M	QPSK	50	0	Back Top	5mm	Ant 8	DSI 7	Close	42990	3540	18.05	19.3	1.334	62.9	1.006	0.07	0.840	1.127
	LTE Band 42	20M	QPSK	100	0	Back Top	5mm	Ant 8	DSI 7	Close	42590	3500	17.98	19.3	1.355	62.9	1.006	0.09	0.789	1.076
	LTE Band 42	20M	QPSK	1	0	Left Side	5mm	Ant 8	DSI 7	Close	42590	3500	18.21	19.3	1.285	62.9	1.006	0.14	0.138	0.178
	LTE Band 42	20M	QPSK	50	0	Left Side	5mm	Ant 8	DSI 7	Close	42590	3500	18.1	19.3	1.318	62.9	1.006	0.13	0.114	0.151
	LTE Band 42	20M	QPSK	1	0	Top Side	5mm	Ant 8	DSI 7	Close	42590	3500	18.21	19.3	1.285	62.9	1.006	0.12	0.830	1.073
	LTE Band 42	20M	QPSK	1	0	Top Side	5mm	Ant 8	DSI 7	Close	42190	3460	18.2	19.3	1.288	62.9	1.006	-0.09	0.772	1
	LTE Band 42	20M	QPSK	1	0	Top Side	5mm	Ant 8	DSI 7	Close	42990	3540	18.19	19.3	1.291	62.9	1.006	-0.07	0.731	0.949
	LTE Band 42	20M	QPSK	50	0	Top Side	5mm	Ant 8	DSI 7	Close	42590	3500	18.1	19.3	1.318	62.9	1.006	-0.1	0.673	0.892
	LTE Band 42	20M	QPSK	50	0	Top Side	5mm	Ant 8	DSI 7	Close	42190	3460	18.08	19.3	1.324	62.9	1.006	-0.1	0.618	0.823
	LTE Band 42	20M	QPSK	50	0	Top Side	5mm	Ant 8	DSI 7	Close	42990	3540	18.05	19.3	1.334	62.9	1.006	-0.04	0.604	0.811
	LTE Band 42	20M	QPSK	100	0	Top Side	5mm	Ant 8	DSI 7	Close	42590	3500	17.98	19.3	1.355	62.9	1.006	0.04	0.632	0.861
	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 2	DSI 7	Close	43340	3575	18.15	19.30	1.303	62.9	1.006	-0.07	0.152	0.199
	LTE Band 42	20M	QPSK	50	0	Front	5mm	Ant 2	DSI 7	Close	43340	3575	17.97	19.30	1.358	62.9	1.006	0.12	0.125	0.171
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 7	Close	43340	3575	18.15	19.30	1.303	62.9	1.006	-0.10	0.987	1.294
	LTE Band 42	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	43340	3575	17.97	19.30	1.358	62.9	1.006	0.05	0.796	1.087
	LTE Band 42	20M	QPSK	100	0	Back	5mm	Ant 2	DSI 7	Close	43340	3575	17.85	19.30	1.396	62.9	1.006	-0.03	0.800	1.124
	LTE Band 42	20M	QPSK	1	0	Left Side	5mm	Ant 2	DSI 7	Close	43340	3575	18.15	19.30	1.303	62.9	1.006	0.15	0.082	0.107
	LTE Band 42	20M	QPSK	50	0	Left Side	5mm	Ant 2	DSI 7	Close	43340	3575	17.97	19.30	1.358	62.9	1.006	-0.11	0.068	0.093
53	LTE Band 42	20M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	43340	3575	18.15	19.30	1.303	62.9	1.006	0.05	0.996	1.306
	LTE Band 42	20M	QPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	43340	3575	17.97	19.30	1.358	62.9	1.006	-0.17	0.791	1.081
	LTE Band 42	20M	QPSK	100	0	Bottom Side	5mm	Ant 2	DSI 7	Close	43340	3575	17.85	19.30	1.396	62.9	1.006	-0.13	0.771	1.083
	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 4	DSI 7	Close	43340	3575	22.05	23	1.245	62.9	1.006	-0.04	0.048	0.06
	LTE Band 42	20M	QPSK	50	0	Front	5mm	Ant 4	DSI 7	Close	43340	3575	22.04	23	1.247	62.9	1.006	0.1	0.035	0.044
	LTE Band 42	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 7	Close	43340	3575	22.05	23	1.245	62.9	1.006	0.01	0.831	1.041
	LTE Band 42	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 7	Close	43340	3575	22.04	23	1.247	62.9	1.006	0.17	0.678	0.851
	LTE Band 42	20M	QPSK	100	0	Back Right	5mm	Ant 4	DSI 7	Close	43340	3575	22.02	23	1.253	62.9	1.006	0.13	0.667	0.841
	LTE Band 42	20M	QPSK	1	0	Right Side	5mm	Ant 4	DSI 7	Close	43340	3575	22.05	23	1.245	62.9	1.006	0.08	0.502	0.629
	LTE Band 42	20M	QPSK	50	0	Right Side	5mm	Ant 4	DSI 7	Close	43340	3575	22.04	23	1.247	62.9	1.006	-0.19	0.398	0.499
	LTE Band 42	20M	QPSK	1	0	Top Side	5mm	Ant 4	DSI 7	Close	43340	3575	22.05	23	1.245	62.9	1.006	0.06	0.081	0.101
	LTE Band 42	20M	QPSK	50	0	Top Side	5mm	Ant 4	DSI 7	Close	43340	3575	22.04	23	1.247	62.9	1.006	0.12	0.066	0.083
	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 6	DSI 7	Close	43340	3575	20.19	20.80	1.151	62.9	1.006	0.05	0.130	0.151
	LTE Band 42	20M	QPSK	50	0	Front	5mm	Ant 6	DSI 7	Close	43340	3575	20.07	20.80	1.183	62.9	1.006	-0.04	0.105	0.125
	LTE Band 42	20M	QPSK	1	0	Back Top	5mm	Ant 6	DSI 7	Close	43340	3575	20.19	20.80	1.151	62.9	1.006	-0.04	0.976	1.130
	LTE Band 42	20M	QPSK	50	0	Back Top	5mm	Ant 6	DSI 7	Close	43340	3575	20.07	20.80	1.183	62.9	1.006	0.02	0.795	0.946
	LTE Band 42	20M	QPSK	100	0	Back Top	5mm	Ant 6	DSI 7	Close	43340	3575	20.05	20.80	1.189	62.9	1.006	0.17	0.786	0.940
	LTE Band 42	20M	QPSK	1	0	Right Side	5mm	Ant 6	DSI 7	Close	43340	3575	20.19	20.80	1.151	62.9	1.006	0.10	0.107	0.124
	LTE Band 42	20M	QPSK	50	0	Right Side	5mm	Ant 6	DSI 7	Close	43340	3575	20.07	20.80	1.183	62.9	1.006	0.17	0.086	0.102
	LTE Band 42	20M	QPSK	1	0	Top Side	5mm	Ant 6	DSI 7	Close	43340	3575	20.19	20.80	1.151	62.9	1.006	-0.08	0.904	1.047
	LTE Band 42	20M	QPSK	50	0	Top Side	5mm	Ant 6	DSI 7	Close	43340	3575	20.07	20.80	1.183	62.9	1.006	-0.18	0.758	0.902
	LTE Band 42	20M	QPSK	100	0	Top Side	5mm	Ant 6	DSI 7	Close	43340	3575	20.05	20.80	1.189	62.9	1.006	0.18	0.746	0.892
	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 7	Close	43340	3575	18.17	19.3	1.297	62.9	1.006	-0.04	0.213	0.278
	LTE Band 42	20M	QPSK	50	0	Front	5mm	Ant 8	DSI 7	Close	43340	3575	18.08	19.3	1.324	62.9	1.006	-0.04	0.159	0.212
	LTE Band 42	20M	QPSK	1	0	Back Top	5mm	Ant 8	DSI 7	Close	43340	3575	18.17	19.3	1.297	62.9	1.006	0.05	0.931	1.215
	LTE Band 42	20M	QPSK	50	0	Back Top	5mm	Ant 8	DSI 7	Close	43340	3575	18.08	19.3	1.324	62.9	1.006	0.13	0.769	1.024
	LTE Band 42	20M	QPSK	100	0	Back Top	5mm	Ant 8	DSI 7	Close	43340	3575	17.91	19.3	1.377	62.9	1.006	-0.16	0.749	1.038
	LTE Band 42	20M	QPSK	1	0	Left Side	5mm	Ant 8	DSI 7	Close	43340	3575	18.17	19.3	1.297	62.9	1.006	0.05	0.165	0.215
	LTE Band 42	20M	QPSK	50	0	Left Side	5mm	Ant 8	DSI 7	Close	43340	3575	18.08	19.3	1.324	62.9	1.006	0.08	0.127	0.169
	LTE Band 42	20M	QPSK	1	0	Top Side	5mm	Ant 8	DSI 7	Close	43340	3575	18.17	19.3	1.297	62.9	1.006	-0.03	0.756	0.986
	LTE Band 42	20M	QPSK	50	0	Top Side	5mm	Ant 8	DSI 7	Close	43340	3575	18.08	19.3	1.324	62.9	1.006	-0.05	0.636	0.847
	LTE Band 42	20M	QPSK	100	0	Top Side	5mm	Ant 8	DSI 7	Close	43340	3575	17.91	19.3	1.377	62.9	1.006	-0.06	0.616	0.853
	LTE Band 43	20M	QPSK	1	0	Front	5mm	Ant 2	DSI 7	Close	44090	3650	17.98	19.20	1.324	62.9	1.006	0.08	0.098	0.131
	LTE Band 43	20M	QPSK	50	0	Front	5mm	Ant 2	DSI 7	Close	44090	3650	17.85	19.20	1.365	62.9	1.006	0.08	0.084	0.115
	LTE Band 43	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 7	Close	44090	3650	17.98	19.20	1.324	62.9	1.006	0.18	0.828	1.103
	LTE Band 43	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 7	Close	43690	3610	17.95	19.20	1.334	62.9	1.006	0.06	0.879	1.180
	LTE Band 43	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 7	Close	44490	3690	17.86	19.20	1.361	62.9	1.006	-0.16	0.833	1.141
	LTE Band 43	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	44090	3650	17.85	19.20	1.365	62.9	1.006	-0.17	0.680	0.934
	LTE Band 43	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	43690	3610	17.82	19.20	1.374	62.9	1.006	0.04	0.719	0.994
	LTE Band 43	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	44490	3690	17.77	19.20	1.39	62.9	1.006	-0.17	0.664	0.928
	LTE Band 43	20M	QPSK	100	0	Back	5mm	Ant 2	DSI 7	Close	44090	3650	17.71	19.20	1.409	62.9	1.006	0.11	0.680	0.964
	LTE Band 43	20M	QPSK	1	0	Left Side	5mm	Ant 2	DSI 7	Close	44090	3650	17.98	19.20	1.324	62.9	1.006	-0.02	0.068	0.091
	LTE Band 43	20M	QPSK	50	0	Left Side	5mm	Ant 2	DSI 7	Close	44090	3650	17.85	19.20	1.365	62.9	1.006	-0.10	0.057	0.078
	LTE Band 43	20M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	44090	3650	17.98	19.20	1.324	62.9	1.006	-0.13	0.922	1.228
	LTE Band 43	20M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	43690	3610	17.95	19.20	1.334	62.9	1.006	0.05	0.940	1.261
	LTE Band 43	20M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	44490	3690	17.86	19.20	1.361	62.9	1.006	0.07	0.896	1.227
	LTE Band 43	20M	QPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	44090	3650	17.85	19.20	1.365	62.9	1.006	-0.08	0.761	1.045
	LTE Band 43	20M	QPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	43690	3610	17.82	19.20	1.374	62.9	1.006	-0.01	0.741	1.024
	LTE Band 43	20M	QPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	44490	3690	17.77	19.20	1.39	62.9	1.006	0.13	0.698	0.976
	LTE Band 43	20M	QPSK																	



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	LTE Band 43	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 7	Close	44490	3690	22.09	23	1.233	62.9	1.006	0.13	0.765	0.949
	LTE Band 43	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 7	Close	44090	3650	22.09	23	1.233	62.9	1.006	-0.1	0.536	0.665
	LTE Band 43	20M	QPSK	100	0	Back Right	5mm	Ant 4	DSI 7	Close	44090	3650	22.11	23	1.227	62.9	1.006	0.02	0.555	0.685
	LTE Band 43	20M	QPSK	1	0	Right Side	5mm	Ant 4	DSI 7	Close	44090	3650	22.14	23	1.219	62.9	1.006	-0.07	0.432	0.53
	LTE Band 43	20M	QPSK	50	0	Right Side	5mm	Ant 4	DSI 7	Close	44090	3650	22.09	23	1.233	62.9	1.006	0.18	0.344	0.427
	LTE Band 43	20M	QPSK	1	0	Top Side	5mm	Ant 4	DSI 7	Close	44090	3650	22.14	23	1.219	62.9	1.006	-0.05	0.069	0.085
	LTE Band 43	20M	QPSK	50	0	Top Side	5mm	Ant 4	DSI 7	Close	44090	3650	22.09	23	1.233	62.9	1.006	-0.05	0.050	0.062
	LTE Band 43	20M	QPSK	1	0	Front	5mm	Ant 6	DSI 7	Close	44090	3650	19.97	20.80	1.211	62.9	1.006	0.03	0.197	0.240
	LTE Band 43	20M	QPSK	50	0	Front	5mm	Ant 6	DSI 7	Close	44090	3650	19.80	20.80	1.259	62.9	1.006	-0.12	0.160	0.203
	LTE Band 43	20M	QPSK	1	0	Back Top	5mm	Ant 6	DSI 7	Close	44090	3650	19.97	20.80	1.211	62.9	1.006	-0.17	0.971	1.183
54	LTE Band 43	20M	QPSK	1	0	Back Top	5mm	Ant 6	DSI 7	Close	43690	3610	19.82	20.80	1.253	62.9	1.006	0.08	1.030	1.298
	LTE Band 43	20M	QPSK	1	0	Back Top	5mm	Ant 6	DSI 7	Close	44490	3690	19.87	20.80	1.239	62.9	1.006	0.17	0.912	1.137
	LTE Band 43	20M	QPSK	50	0	Back Top	5mm	Ant 6	DSI 7	Close	44090	3650	19.80	20.80	1.259	62.9	1.006	0.02	0.778	0.985
	LTE Band 43	20M	QPSK	50	0	Back Top	5mm	Ant 6	DSI 7	Close	43690	3610	19.75	20.80	1.274	62.9	1.006	0.08	0.824	1.056
	LTE Band 43	20M	QPSK	50	0	Back Top	5mm	Ant 6	DSI 7	Close	44490	3690	19.77	20.80	1.268	62.9	1.006	-0.17	0.728	0.929
	LTE Band 43	20M	QPSK	100	0	Back Top	5mm	Ant 6	DSI 7	Close	44090	3650	19.75	20.80	1.274	62.9	1.006	-0.18	0.769	0.986
	LTE Band 43	20M	QPSK	1	0	Right Side	5mm	Ant 6	DSI 7	Close	44090	3650	19.97	20.80	1.211	62.9	1.006	-0.03	0.158	0.192
	LTE Band 43	20M	QPSK	50	0	Right Side	5mm	Ant 6	DSI 7	Close	44090	3650	19.80	20.80	1.259	62.9	1.006	0.14	0.124	0.157
	LTE Band 43	20M	QPSK	1	0	Top Side	5mm	Ant 6	DSI 7	Close	44090	3650	19.97	20.80	1.211	62.9	1.006	-0.14	0.745	0.908
	LTE Band 43	20M	QPSK	1	0	Top Side	5mm	Ant 6	DSI 7	Close	43690	3610	19.82	20.80	1.253	62.9	1.006	-0.17	0.735	0.926
	LTE Band 43	20M	QPSK	1	0	Top Side	5mm	Ant 6	DSI 7	Close	44490	3690	19.87	20.80	1.239	62.9	1.006	0.17	0.728	0.907
	LTE Band 43	20M	QPSK	50	0	Top Side	5mm	Ant 6	DSI 7	Close	44090	3650	19.80	20.80	1.259	62.9	1.006	-0.17	0.615	0.779
	LTE Band 43	20M	QPSK	100	0	Top Side	5mm	Ant 6	DSI 7	Close	44090	3650	19.75	20.80	1.274	62.9	1.006	0.09	0.604	0.774
	LTE Band 43	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 7	Close	44090	3650	18.97	19.70	1.183	62.9	1.006	-0.18	0.197	0.234
	LTE Band 43	20M	QPSK	50	0	Front	5mm	Ant 8	DSI 7	Close	44090	3650	18.84	19.70	1.219	62.9	1.006	-0.15	0.162	0.199
	LTE Band 43	20M	QPSK	1	0	Back Top	5mm	Ant 8	DSI 7	Close	44090	3650	18.97	19.70	1.183	62.9	1.006	-0.14	0.929	1.106
	LTE Band 43	20M	QPSK	1	0	Back Top	5mm	Ant 8	DSI 7	Close	43690	3610	18.92	19.70	1.197	62.9	1.006	-0.02	0.993	1.196
	LTE Band 43	20M	QPSK	1	0	Back Top	5mm	Ant 8	DSI 7	Close	44490	3690	18.79	19.70	1.233	62.9	1.006	0.04	0.903	1.120
	LTE Band 43	20M	QPSK	50	0	Back Top	5mm	Ant 8	DSI 7	Close	44090	3650	18.84	19.70	1.219	62.9	1.006	0.19	0.756	0.927
	LTE Band 43	20M	QPSK	50	0	Back Top	5mm	Ant 8	DSI 7	Close	43690	3610	18.64	19.70	1.276	62.9	1.006	0.03	0.797	1.023
	LTE Band 43	20M	QPSK	50	0	Back Top	5mm	Ant 8	DSI 7	Close	44490	3690	18.76	19.70	1.242	62.9	1.006	0.19	0.741	0.926
	LTE Band 43	20M	QPSK	100	0	Back Top	5mm	Ant 8	DSI 7	Close	44090	3650	18.76	19.70	1.242	62.9	1.006	-0.02	0.752	0.940
	LTE Band 43	20M	QPSK	1	0	Left Side	5mm	Ant 8	DSI 7	Close	44090	3650	18.97	19.70	1.183	62.9	1.006	0.03	0.176	0.209
	LTE Band 43	20M	QPSK	50	0	Left Side	5mm	Ant 8	DSI 7	Close	44090	3650	18.84	19.70	1.219	62.9	1.006	-0.01	0.135	0.166
	LTE Band 43	20M	QPSK	1	0	Top Side	5mm	Ant 8	DSI 7	Close	44090	3650	18.97	19.70	1.183	62.9	1.006	-0.03	0.801	0.953
	LTE Band 43	20M	QPSK	1	0	Top Side	5mm	Ant 8	DSI 7	Close	43690	3610	18.92	19.70	1.197	62.9	1.006	-0.11	0.786	0.946
	LTE Band 43	20M	QPSK	1	0	Top Side	5mm	Ant 8	DSI 7	Close	44490	3690	18.79	19.70	1.233	62.9	1.006	-0.09	0.794	0.985
	LTE Band 43	20M	QPSK	50	0	Top Side	5mm	Ant 8	DSI 7	Close	44090	3650	18.84	19.70	1.219	62.9	1.006	-0.09	0.647	0.793
	LTE Band 43	20M	QPSK	100	0	Top Side	5mm	Ant 8	DSI 7	Close	44090	3650	18.76	19.70	1.242	62.9	1.006	0.15	0.636	0.795
	LTE Band 48	20M	QPSK	1	0	Front	5mm	Ant 2	DSI 7	Close	55830	3609	18.97	20.00	1.268	62.9	1.006	-0.05	0.129	0.165
	LTE Band 48	20M	QPSK	50	0	Front	5mm	Ant 2	DSI 7	Close	55830	3609	18.84	20.00	1.306	62.9	1.006	-0.11	0.109	0.143
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 7	Close	55830	3609	18.97	20.00	1.268	62.9	1.006	-0.14	0.893	1.139
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 7	Close	55340	3560	18.92	20.00	1.282	62.9	1.006	-0.19	0.972	1.254
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 7	Close	56150	3641	18.90	20.00	1.288	62.9	1.006	-0.06	0.868	1.125
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 7	Close	56640	3690	18.92	20.00	1.282	62.9	1.006	0.03	0.838	1.081
	LTE Band 48	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	55830	3609	18.84	20.00	1.306	62.9	1.006	-0.04	0.741	0.974
	LTE Band 48	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	55340	3560	18.79	20.00	1.321	62.9	1.006	-0.11	0.815	1.083
	LTE Band 48	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	56150	3641	18.76	20.00	1.33	62.9	1.006	-0.11	0.708	0.947
	LTE Band 48	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	56640	3690	18.79	20.00	1.321	62.9	1.006	-0.14	0.682	0.906
	LTE Band 48	20M	QPSK	100	0	Back	5mm	Ant 2	DSI 7	Close	55830	3609	18.76	20.00	1.33	62.9	1.006	0.02	0.737	0.986
	LTE Band 48	20M	QPSK	1	0	Left Side	5mm	Ant 2	DSI 7	Close	55830	3609	18.97	20.00	1.268	62.9	1.006	0.04	0.076	0.097
	LTE Band 48	20M	QPSK	50	0	Left Side	5mm	Ant 2	DSI 7	Close	55830	3609	18.84	20.00	1.306	62.9	1.006	0.02	0.061	0.080
	LTE Band 48	20M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	55830	3609	18.97	20.00	1.268	62.9	1.006	-0.13	0.987	1.259
	LTE Band 48	20M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	55340	3560	18.92	20.00	1.282	62.9	1.006	0.03	0.999	1.288
	LTE Band 48	20M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	56150	3641	18.90	20.00	1.288	62.9	1.006	0.02	0.963	1.248
	LTE Band 48	20M	QPSK	1	0	Bottom Side	5mm	Ant 2	DSI 7	Close	56640	3690	18.92	20.00	1.282	62.9	1.006	-0.11	0.918	1.184
	LTE Band 48	20M	QPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	55830	3609	18.84	20.00	1.306	62.9	1.006	-0.11	0.776	1.020
	LTE Band 48	20M	QPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	55340	3560	18.79	20.00	1.321	62.9	1.006	0.01	0.796	1.058
	LTE Band 48	20M	QPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	56150	3641	18.76	20.00	1.33	62.9	1.006	0.14	0.782	1.046
	LTE Band 48	20M	QPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	56640	3690	18.79	20.00	1.321	62.9	1.006	0.05	0.715	0.950
	LTE Band 48	20M	QPSK	100	0	Bottom Side	5mm	Ant 2	DSI 7	Close	55830	3609	18.76	20.00	1.33	62.9	1.006	-0.18	0.773	1.034
	LTE Band 48	20M	QPSK	1	0	Front	5mm	Ant 4	DSI 7	Close	55830	3609	22.15	23	1.216	62.9	1.006	0.11	0.075	0.092
	LTE Band 48	20M	QPSK	50	0	Front	5mm	Ant 4	DSI 7	Close	55830	3609	22.14	23	1.219	62.9	1.006	0.1	0.059	0.072
	LTE Band 48	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 7	Close	55830	3609	22.15	23	1.216	62.9	1.006	-0.1	0.887	1.085
	LTE Band 48	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 7	Close	55340	3560	21.97	23	1.268	62.9	1.006	0.02	0.917	1.117
	LTE Band 48	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 7	Close	56150	3641	21.95	23	1.274	62.9	1.006	-0.04	0.885	1.134
	LTE Band 48	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 7	Close	56640	3690	22.09	23	1.233	62.9	1.006	-0.01	0.774	0.96
	LTE Band 48	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 7	Close	55830	3609	22.14	23	1.219	62.9	1.006	0.04	0.623	0.764
	LTE Band 48	20M	Q																	



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	LTE Band 48	20M	QPSK	1	0	Right Side	5mm	Ant 4	DSI 7	Close	56150	3641	21.95	23	1.274	62.9	1.006	-0.11	0.459	0.588
	LTE Band 48	20M	QPSK	1	0	Right Side	5mm	Ant 4	DSI 7	Close	56640	3690	22.09	23	1.233	62.9	1.006	0.16	0.437	0.542
	LTE Band 48	20M	QPSK	50	0	Right Side	5mm	Ant 4	DSI 7	Close	55830	3609	22.14	23	1.219	62.9	1.006	-0.16	0.447	0.548
	LTE Band 48	20M	QPSK	1	0	Top Side	5mm	Ant 4	DSI 7	Close	55830	3609	22.15	23	1.216	62.9	1.006	0.02	0.078	0.095
	LTE Band 48	20M	QPSK	50	0	Top Side	5mm	Ant 4	DSI 7	Close	55830	3609	22.14	23	1.219	62.9	1.006	-0.18	0.059	0.072
	LTE Band 48	20M	QPSK	1	0	Front	5mm	Ant 6	DSI 7	Close	55830	3609	20.08	20.80	1.18	62.9	1.006	0.03	0.169	0.201
	LTE Band 48	20M	QPSK	50	0	Front	5mm	Ant 6	DSI 7	Close	55830	3609	19.91	20.80	1.227	62.9	1.006	-0.10	0.146	0.180
	LTE Band 48	20M	QPSK	1	0	Back Top	5mm	Ant 6	DSI 7	Close	55830	3609	20.08	20.80	1.18	62.9	1.006	0.16	1.080	1.282
	LTE Band 48	20M	QPSK	1	0	Back Top	5mm	Ant 6	DSI 7	Close	55340	3560	20.05	20.80	1.189	62.9	1.006	-0.08	0.965	1.154
	LTE Band 48	20M	QPSK	1	0	Back Top	5mm	Ant 6	DSI 7	Close	56150	3641	20.03	20.80	1.194	62.9	1.006	-0.14	1.050	1.261
	LTE Band 48	20M	QPSK	1	0	Back Top	5mm	Ant 6	DSI 7	Close	56640	3690	19.98	20.80	1.208	62.9	1.006	-0.12	0.974	1.184
	LTE Band 48	20M	QPSK	50	0	Back Top	5mm	Ant 6	DSI 7	Close	55830	3609	19.91	20.80	1.227	62.9	1.006	0.06	0.902	1.113
	LTE Band 48	20M	QPSK	50	0	Back Top	5mm	Ant 6	DSI 7	Close	55340	3560	19.81	20.80	1.256	62.9	1.006	0.16	0.744	0.940
	LTE Band 48	20M	QPSK	50	0	Back Top	5mm	Ant 6	DSI 7	Close	56150	3641	19.82	20.80	1.253	62.9	1.006	0.01	0.852	1.074
	LTE Band 48	20M	QPSK	50	0	Back Top	5mm	Ant 6	DSI 7	Close	56640	3690	19.90	20.80	1.23	62.9	1.006	-0.18	0.807	0.999
	LTE Band 48	20M	QPSK	100	0	Back Top	5mm	Ant 6	DSI 7	Close	55830	3609	19.80	20.80	1.259	62.9	1.006	0.06	0.863	1.093
	LTE Band 48	20M	QPSK	1	0	Right Side	5mm	Ant 6	DSI 7	Close	55830	3609	20.08	20.80	1.18	62.9	1.006	0.04	0.145	0.172
	LTE Band 48	20M	QPSK	50	0	Right Side	5mm	Ant 6	DSI 7	Close	55830	3609	19.91	20.80	1.227	62.9	1.006	-0.17	0.117	0.144
	LTE Band 48	20M	QPSK	1	0	Top Side	5mm	Ant 6	DSI 7	Close	55830	3609	20.08	20.80	1.18	62.9	1.006	-0.17	0.965	1.146
	LTE Band 48	20M	QPSK	1	0	Top Side	5mm	Ant 6	DSI 7	Close	55340	3560	20.05	20.80	1.189	62.9	1.006	0.16	0.940	1.124
	LTE Band 48	20M	QPSK	1	0	Top Side	5mm	Ant 6	DSI 7	Close	56150	3641	20.03	20.80	1.194	62.9	1.006	-0.06	1.010	1.213
	LTE Band 48	20M	QPSK	1	0	Top Side	5mm	Ant 6	DSI 7	Close	56640	3690	19.98	20.80	1.208	62.9	1.006	-0.15	0.993	1.207
	LTE Band 48	20M	QPSK	50	0	Top Side	5mm	Ant 6	DSI 7	Close	55830	3609	19.91	20.80	1.227	62.9	1.006	0.10	0.799	0.986
	LTE Band 48	20M	QPSK	50	0	Top Side	5mm	Ant 6	DSI 7	Close	55340	3560	19.81	20.80	1.256	62.9	1.006	-0.07	0.758	0.958
	LTE Band 48	20M	QPSK	50	0	Top Side	5mm	Ant 6	DSI 7	Close	56150	3641	19.82	20.80	1.253	62.9	1.006	-0.18	0.818	1.031
	LTE Band 48	20M	QPSK	50	0	Top Side	5mm	Ant 6	DSI 7	Close	56640	3690	19.90	20.80	1.23	62.9	1.006	-0.12	0.785	0.971
	LTE Band 48	20M	QPSK	100	0	Top Side	5mm	Ant 6	DSI 7	Close	55830	3609	19.80	20.80	1.259	62.9	1.006	0.17	0.776	0.983
	LTE Band 48	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 7	Close	55830	3609	18.82	19.8	1.253	62.9	1.006	-0.11	0.208	0.262
	LTE Band 48	20M	QPSK	50	0	Front	5mm	Ant 8	DSI 7	Close	55830	3609	18.7	19.8	1.288	62.9	1.006	-0.01	0.168	0.218
	LTE Band 48	20M	QPSK	1	0	Back Top	5mm	Ant 8	DSI 7	Close	55830	3609	18.82	19.8	1.253	62.9	1.006	0.11	0.924	1.165
55	LTE Band 48	20M	QPSK	1	0	Back Top	5mm	Ant 8	DSI 7	Close	55340	3560	18.68	19.8	1.294	62.9	1.006	-0.06	0.997	1.298
	LTE Band 48	20M	QPSK	1	0	Back Top	5mm	Ant 8	DSI 7	Close	56150	3641	18.77	19.8	1.268	62.9	1.006	-0.12	0.858	1.094
	LTE Band 48	20M	QPSK	1	0	Back Top	5mm	Ant 8	DSI 7	Close	56640	3690	18.69	19.8	1.291	62.9	1.006	-0.09	0.868	1.127
	LTE Band 48	20M	QPSK	50	0	Back Top	5mm	Ant 8	DSI 7	Close	55830	3609	18.7	19.8	1.288	62.9	1.006	0.03	0.768	0.995
	LTE Band 48	20M	QPSK	50	0	Back Top	5mm	Ant 8	DSI 7	Close	55340	3560	18.56	19.8	1.330	62.9	1.006	-0.03	0.851	1.139
	LTE Band 48	20M	QPSK	50	0	Back Top	5mm	Ant 8	DSI 7	Close	56150	3641	18.62	19.8	1.312	62.9	1.006	0.05	0.712	0.94
	LTE Band 48	20M	QPSK	50	0	Back Top	5mm	Ant 8	DSI 7	Close	56640	3690	18.69	19.8	1.291	62.9	1.006	0.1	0.695	0.903
	LTE Band 48	20M	QPSK	100	0	Back Top	5mm	Ant 8	DSI 7	Close	55830	3609	18.56	19.8	1.330	62.9	1.006	-0.16	0.645	0.863
	LTE Band 48	20M	QPSK	1	0	Left Side	5mm	Ant 8	DSI 7	Close	55830	3609	18.82	19.8	1.253	62.9	1.006	-0.16	0.156	0.197
	LTE Band 48	20M	QPSK	50	0	Left Side	5mm	Ant 8	DSI 7	Close	55830	3609	18.7	19.8	1.288	62.9	1.006	-0.03	0.119	0.154
	LTE Band 48	20M	QPSK	1	0	Top Side	5mm	Ant 8	DSI 7	Close	55830	3609	18.82	19.8	1.253	62.9	1.006	0.05	0.651	0.821
	LTE Band 48	20M	QPSK	1	0	Top Side	5mm	Ant 8	DSI 7	Close	55340	3560	18.68	19.8	1.294	62.9	1.006	-0.08	0.618	0.804
	LTE Band 48	20M	QPSK	1	0	Top Side	5mm	Ant 8	DSI 7	Close	56150	3641	18.77	19.8	1.268	62.9	1.006	-0.09	0.660	0.842
	LTE Band 48	20M	QPSK	1	0	Top Side	5mm	Ant 8	DSI 7	Close	56640	3690	18.69	19.8	1.291	62.9	1.006	0.12	0.600	0.779
	LTE Band 48	20M	QPSK	50	0	Top Side	5mm	Ant 8	DSI 7	Close	55830	3609	18.7	19.8	1.288	62.9	1.006	0.16	0.546	0.707
	LTE Band 48	20M	QPSK	50	0	Top Side	5mm	Ant 8	DSI 7	Close	55340	3560	18.56	19.8	1.330	62.9	1.006	-0.03	0.529	0.708
	LTE Band 48	20M	QPSK	50	0	Top Side	5mm	Ant 8	DSI 7	Close	56150	3641	18.62	19.8	1.312	62.9	1.006	-0.12	0.537	0.709
	LTE Band 48	20M	QPSK	50	0	Top Side	5mm	Ant 8	DSI 7	Close	56640	3690	18.69	19.8	1.291	62.9	1.006	-0.1	0.604	0.784
	LTE Band 48	20M	QPSK	100	0	Top Side	5mm	Ant 8	DSI 7	Close	55830	3609	18.56	19.8	1.330	62.9	1.006	0.13	0.505	0.676



【FR1 SAR】

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	EUT Flip State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n7	50M	BPSK	1	1	Front	5mm	Ant 3	DSI 7	Close	507000	2535	15.67	16.80	1.297			-0.10	0.334	0.433
	FR1 n7	50M	BPSK	135	68	Front	5mm	Ant 3	DSI 7	Close	507000	2535	15.63	16.80	1.309			-0.15	0.363	0.475
	FR1 n7	50M	BPSK	1	1	Back Top	5mm	Ant 3	DSI 7	Close	507000	2535	15.67	16.80	1.297			-0.04	0.689	0.894
	FR1 n7	50M	BPSK	135	68	Back Top	5mm	Ant 3	DSI 7	Close	507000	2535	15.63	16.80	1.309			-0.16	0.736	0.963
	FR1 n7	50M	BPSK	270	0	Back Top	5mm	Ant 3	DSI 7	Close	507000	2535	15.60	16.80	1.318			-0.09	0.727	0.958
	FR1 n7	50M	BPSK	1	1	Left Side	5mm	Ant 3	DSI 7	Close	507000	2535	15.67	16.80	1.297			-0.14	0.038	0.049
	FR1 n7	50M	BPSK	135	68	Left Side	5mm	Ant 3	DSI 7	Close	507000	2535	15.63	16.80	1.309			0.18	0.043	0.056
	FR1 n7	50M	BPSK	1	1	Top Side	5mm	Ant 3	DSI 7	Close	507000	2535	15.67	16.80	1.297			-0.10	0.853	1.106
	FR1 n7	50M	BPSK	135	68	Top Side	5mm	Ant 3	DSI 7	Close	507000	2535	15.63	16.80	1.309			0.06	0.976	1.278
	FR1 n7	50M	BPSK	270	0	Top Side	5mm	Ant 3	DSI 7	Close	507000	2535	15.60	16.80	1.318			0.04	0.951	1.253
	FR1 n7	50M	BPSK	1	1	Front	5mm	Ant 2	DSI 7	Close	507000	2535	18.99	19.90	1.233			0.11	0.221	0.272
	FR1 n7	50M	BPSK	135	68	Front	5mm	Ant 2	DSI 7	Close	507000	2535	18.95	19.90	1.245			-0.16	0.240	0.299
56	FR1 n7	50M	BPSK	1	1	Back	5mm	Ant 2	DSI 7	Close	507000	2535	18.99	19.90	1.233			-0.09	1.050	1.295
	FR1 n7	50M	BPSK	135	68	Back	5mm	Ant 2	DSI 7	Close	507000	2535	18.95	19.90	1.245			-0.11	1.030	1.282
	FR1 n7	50M	BPSK	270	0	Back	5mm	Ant 2	DSI 7	Close	507000	2535	18.93	19.90	1.25			0.09	1.020	1.275
	FR1 n7	50M	BPSK	1	1	Left Side	5mm	Ant 2	DSI 7	Close	507000	2535	18.99	19.90	1.233			0.05	0.139	0.171
	FR1 n7	50M	BPSK	135	68	Left Side	5mm	Ant 2	DSI 7	Close	507000	2535	18.95	19.90	1.245			-0.12	0.123	0.153
	FR1 n7	50M	BPSK	1	1	Bottom Side	5mm	Ant 2	DSI 7	Close	507000	2535	18.99	19.90	1.233			-0.06	0.996	1.228
	FR1 n7	50M	BPSK	135	68	Bottom Side	5mm	Ant 2	DSI 7	Close	507000	2535	18.95	19.90	1.245			0.15	0.884	1.101
	FR1 n7	50M	BPSK	270	0	Bottom Side	5mm	Ant 2	DSI 7	Close	507000	2535	18.93	19.90	1.25			-0.04	0.812	1.015
	FR1 n7	50M	BPSK	1	1	Front	5mm	Ant 4	DSI 7	Close	507000	2535	20.69	21.80	1.291			-0.09	0.093	0.120
	FR1 n7	50M	BPSK	135	68	Front	5mm	Ant 4	DSI 7	Close	507000	2535	20.67	21.80	1.297			-0.15	0.072	0.093
	FR1 n7	50M	BPSK	1	1	Back Right	5mm	Ant 4	DSI 7	Close	507000	2535	20.69	21.80	1.291			0.17	0.698	0.901
	FR1 n7	50M	BPSK	135	68	Back Right	5mm	Ant 4	DSI 7	Close	507000	2535	20.67	21.80	1.297			-0.07	0.987	1.280
	FR1 n7	50M	BPSK	270	0	Back Right	5mm	Ant 4	DSI 7	Close	507000	2535	20.61	21.80	1.315			0.01	0.673	0.885
	FR1 n7	50M	BPSK	1	1	Right Side	5mm	Ant 4	DSI 7	Close	507000	2535	20.69	21.80	1.291			0.02	0.855	1.104
	FR1 n7	50M	BPSK	135	68	Right Side	5mm	Ant 4	DSI 7	Close	507000	2535	20.67	21.80	1.297			0.09	0.899	1.166
	FR1 n7	50M	BPSK	270	0	Right Side	5mm	Ant 4	DSI 7	Close	507000	2535	20.61	21.80	1.315			-0.13	0.908	1.194
	FR1 n7	50M	BPSK	1	1	Top Side	5mm	Ant 4	DSI 7	Close	507000	2535	20.69	21.80	1.291			-0.11	0.075	0.097
	FR1 n7	50M	BPSK	135	68	Top Side	5mm	Ant 4	DSI 7	Close	507000	2535	20.67	21.80	1.297			0.07	0.060	0.078
	FR1 n7	50M	BPSK	1	1	Front	5mm	Ant 0	DSI 7	Close	507000	2535	21.17	22.10	1.239			0.13	0.480	0.595
	FR1 n7	50M	BPSK	135	68	Front	5mm	Ant 0	DSI 7	Close	507000	2535	21.15	22.10	1.245			-0.12	0.550	0.685
	FR1 n7	50M	BPSK	1	1	Back	5mm	Ant 0	DSI 7	Close	507000	2535	21.17	22.10	1.239			0.08	0.659	0.817
	FR1 n7	50M	BPSK	135	68	Back	5mm	Ant 0	DSI 7	Close	507000	2535	21.15	22.10	1.245			0.14	0.552	0.687
	FR1 n7	50M	BPSK	270	0	Back	5mm	Ant 0	DSI 7	Close	507000	2535	21.10	22.10	1.259			-0.19	0.564	0.710
	FR1 n7	50M	BPSK	1	1	Right Side	5mm	Ant 0	DSI 7	Close	507000	2535	21.17	22.10	1.239			-0.05	0.912	1.130
	FR1 n7	50M	BPSK	135	68	Right Side	5mm	Ant 0	DSI 7	Close	507000	2535	21.15	22.10	1.245			0.07	1.030	1.282
	FR1 n7	50M	BPSK	270	0	Right Side	5mm	Ant 0	DSI 7	Close	507000	2535	21.10	22.10	1.259			-0.07	1.000	1.259
	FR1 n7	50M	BPSK	1	1	Bottom Side	5mm	Ant 0	DSI 7	Close	507000	2535	21.17	22.10	1.239			0.03	0.421	0.522
	FR1 n7	50M	BPSK	135	68	Bottom Side	5mm	Ant 0	DSI 7	Close	507000	2535	21.15	22.10	1.245			0.08	0.413	0.514
	FR1 n12	15M	BPSK	1	1	Front	5mm	Ant 0	DSI 7	Close	141500	707.5	23.31	24.00	1.172			-0.17	0.240	0.281
	FR1 n12	15M	BPSK	36	22	Front	5mm	Ant 0	DSI 7	Close	141500	707.5	23.26	24.00	1.186			-0.18	0.258	0.306
	FR1 n12	15M	BPSK	1	1	Back	5mm	Ant 0	DSI 7	Close	141500	707.5	23.31	24.00	1.172			0.03	0.585	0.686
	FR1 n12	15M	BPSK	36	22	Back	5mm	Ant 0	DSI 7	Close	141500	707.5	23.26	24.00	1.186			-0.13	0.587	0.696
	FR1 n12	15M	BPSK	1	1	Right Side	5mm	Ant 0	DSI 7	Close	141500	707.5	23.31	24.00	1.172			-0.19	0.666	0.781
	FR1 n12	15M	BPSK	36	22	Right Side	5mm	Ant 0	DSI 7	Close	141500	707.5	23.26	24.00	1.186			0.06	0.755	0.895
	FR1 n12	15M	BPSK	75	0	Right Side	5mm	Ant 0	DSI 7	Close	141500	707.5	23.21	24.00	1.199			-0.11	0.680	0.815
	FR1 n12	15M	BPSK	1	1	Bottom Side	5mm	Ant 0	DSI 7	Close	141500	707.5	23.31	24.00	1.172			-0.12	0.373	0.437
	FR1 n12	15M	BPSK	36	22	Bottom Side	5mm	Ant 0	DSI 7	Close	141500	707.5	23.26	24.00	1.186			-0.19	0.386	0.458
	FR1 n12	15M	BPSK	1	1	Front	5mm	Ant 1	DSI 7	Close	141500	707.5	23.27	24.00	1.183			0.07	0.214	0.253
	FR1 n12	15M	BPSK	36	22	Front	5mm	Ant 1	DSI 7	Close	141500	707.5	23.25	24.00	1.189			-0.12	0.232	0.276
	FR1 n12	15M	BPSK	1	1	Back Right	5mm	Ant 1	DSI 7	Close	141500	707.5	23.27	24.00	1.183			-0.16	0.803	0.950
57	FR1 n12	15M	BPSK	36	22	Back Right	5mm	Ant 1	DSI 7	Close	141500	707.5	23.25	24.00	1.189			-0.07	0.833	0.990
	FR1 n12	15M	BPSK	75	0	Back Right	5mm	Ant 1	DSI 7	Close	141500	707.5	23.21	24.00	1.199			0.08	0.804	0.964
	FR1 n12	15M	BPSK	1	1	Back 1	5mm	Ant 1	DSI 7	Close	141500	707.5	23.27	24.00	1.183			0.17	0.622	0.736
	FR1 n12	15M	BPSK	36	22	Back 1	5mm	Ant 1	DSI 7	Close	141500	707.5	23.25	24.00	1.189			-0.01	0.611	0.726
	FR1 n12	15M	BPSK	1	1	Right Side	5mm	Ant 1	DSI 7	Close	141500	707.5	23.27	24.00	1.183			-0.17	0.779	0.922
	FR1 n12	15M	BPSK	36	22	Right Side	5mm	Ant 1	DSI 7	Close	141500	707.5	23.25	24.00	1.189			0.13	0.817	0.971
	FR1 n12	15M	BPSK	75	0	Right Side	5mm	Ant 1	DSI 7	Close	141500	707.5	23.21	24.00	1.199			-0.02	0.773	0.927
	FR1 n13	10M	BPSK	1	1	Front	5mm	Ant 0	DSI 7	Close	156400	782	23.52	24.00	1.117			0.12	0.137	0.153
	FR1 n13	10M	BPSK	25	14	Front	5mm	Ant 0	DSI 7	Close	156400	782	23.48	24.00	1.127			-0.06	0.134	0.151
	FR1 n13	10M	BPSK	1	1	Back	5mm	Ant 0	DSI 7	Close	156400	782	23.52	24.00	1.117			0.07	0.336	0.375
	FR1 n13	10M	BPSK	25	14	Back	5mm	Ant 0	DSI 7	Close	156400	782	23.48	24.00	1.127			-0.09	0.334	0.376
	FR1 n13	10M	BPSK	1	1	Right Side	5mm	Ant 0	DSI 7	Close	156400	782	23.52	24.00	1.117			0.14	0.397	0.443
	FR1 n13	10M	BPSK	25	14	Right Side	5mm	Ant 0	DSI 7	Close	156400	782	23.48	24.00	1.127			0.03	0.411	0.463
	FR1 n13	10M	BPSK	1	1	Bottom Side	5mm	Ant 0	DSI 7	Close	156400	782	23.52	24.00	1.117			0.08	0.177	0.198
	FR1 n13	10M	BPSK	25	14	Bottom Side	5mm	Ant 0	DSI 7	Close	156400	782	23.48	24.00	1.127			-0.04	0.184	0.207



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	FR1 n13	10M	BPSK	1	1	Front	5mm	Ant 1	DSI 7	Close	156400	782	23.36	24.00	1.159			-0.04	0.196	0.227
	FR1 n13	10M	BPSK	25	14	Front	5mm	Ant 1	DSI 7	Close	156400	782	23.35	24.00	1.161			-0.14	0.183	0.212
	FR1 n13	10M	BPSK	1	1	Back Right	5mm	Ant 1	DSI 7	Close	156400	782	23.36	24.00	1.159			-0.06	0.953	1.105
58	FR1 n13	10M	BPSK	25	14	Back Right	5mm	Ant 1	DSI 7	Close	156400	782	23.35	24.00	1.161			-0.01	0.969	1.125
	FR1 n13	10M	BPSK	50	0	Back Right	5mm	Ant 1	DSI 7	Close	156400	782	23.32	24.00	1.169			0.15	0.936	1.094
	FR1 n13	10M	BPSK	1	1	Back 1	5mm	Ant 1	DSI 7	Close	156400	782	23.36	24.00	1.159			0.04	0.524	0.607
	FR1 n13	10M	BPSK	25	14	Back 1	5mm	Ant 1	DSI 7	Close	156400	782	23.35	24.00	1.161			-0.10	0.614	0.713
	FR1 n13	10M	BPSK	1	1	Right Side	5mm	Ant 1	DSI 7	Close	156400	782	23.36	24.00	1.159			-0.11	0.873	1.012
	FR1 n13	10M	BPSK	25	14	Right Side	5mm	Ant 1	DSI 7	Close	156400	782	23.35	24.00	1.161			-0.18	0.911	1.058
	FR1 n13	10M	BPSK	50	0	Right Side	5mm	Ant 1	DSI 7	Close	156400	782	23.32	24.00	1.169			-0.02	0.876	1.024
	FR1 n14	10M	BPSK	1	1	Front	5mm	Ant 0	DSI 7	Close	158600	793	23.47	24.00	1.113			-0.04	0.254	0.287
	FR1 n14	10M	BPSK	25	14	Front	5mm	Ant 0	DSI 7	Close	158600	793	23.45	24.00	1.135			-0.01	0.252	0.286
	FR1 n14	10M	BPSK	1	1	Back	5mm	Ant 0	DSI 7	Close	158600	793	23.47	24.00	1.113			0.06	0.643	0.727
	FR1 n14	10M	BPSK	25	14	Back	5mm	Ant 0	DSI 7	Close	158600	793	23.45	24.00	1.135			0.01	0.677	0.768
	FR1 n14	10M	BPSK	1	1	Right Side	5mm	Ant 0	DSI 7	Close	158600	793	23.47	24.00	1.113			-0.02	0.649	0.733
	FR1 n14	10M	BPSK	25	14	Right Side	5mm	Ant 0	DSI 7	Close	158600	793	23.45	24.00	1.135			-0.07	0.656	0.745
	FR1 n14	10M	BPSK	1	1	Bottom Side	5mm	Ant 0	DSI 7	Close	158600	793	23.47	24.00	1.113			0.17	0.334	0.377
	FR1 n14	10M	BPSK	25	14	Bottom Side	5mm	Ant 0	DSI 7	Close	158600	793	23.45	24.00	1.135			-0.10	0.329	0.373
	FR1 n14	10M	BPSK	1	1	Front	5mm	Ant 1	DSI 7	Close	158600	793	23.35	24.00	1.161			-0.13	0.217	0.252
	FR1 n14	10M	BPSK	25	14	Front	5mm	Ant 1	DSI 7	Close	158600	793	23.31	24.00	1.172			-0.17	0.206	0.241
59	FR1 n14	10M	BPSK	1	1	Back Right	5mm	Ant 1	DSI 7	Close	158600	793	23.35	24.00	1.161			0.07	0.867	1.007
	FR1 n14	10M	BPSK	25	14	Back Right	5mm	Ant 1	DSI 7	Close	158600	793	23.31	24.00	1.172			-0.02	0.806	0.945
	FR1 n14	10M	BPSK	50	0	Back Right	5mm	Ant 1	DSI 7	Close	158600	793	23.28	24.00	1.18			-0.06	0.814	0.961
	FR1 n14	10M	BPSK	1	1	Back 1	5mm	Ant 1	DSI 7	Close	158600	793	23.35	24.00	1.161			0.06	0.507	0.589
	FR1 n14	10M	BPSK	25	14	Back 1	5mm	Ant 1	DSI 7	Close	158600	793	23.31	24.00	1.172			0.11	0.555	0.650
	FR1 n14	10M	BPSK	1	1	Right Side	5mm	Ant 1	DSI 7	Close	158600	793	23.35	24.00	1.161			0.15	0.804	0.933
	FR1 n14	10M	BPSK	25	14	Right Side	5mm	Ant 1	DSI 7	Close	158600	793	23.31	24.00	1.172			-0.03	0.682	0.799
	FR1 n14	10M	BPSK	50	0	Right Side	5mm	Ant 1	DSI 7	Close	158600	793	23.28	24.00	1.18			-0.15	0.819	0.966
	FR1 n25	40M	BPSK	1	1	Front	5mm	Ant 3	DSI 7	Close	376500	1882.5	17.34	18.40	1.276			-0.18	0.238	0.304
	FR1 n25	40M	BPSK	108	54	Front	5mm	Ant 3	DSI 7	Close	376500	1882.5	17.31	18.40	1.285			-0.12	0.238	0.306
	FR1 n25	40M	BPSK	1	1	Back Top	5mm	Ant 3	DSI 7	Close	376500	1882.5	17.34	18.40	1.276			0.04	0.835	1.065
	FR1 n25	40M	BPSK	108	54	Back Top	5mm	Ant 3	DSI 7	Close	376500	1882.5	17.31	18.40	1.285			-0.06	0.766	0.984
	FR1 n25	40M	BPSK	216	0	Back Top	5mm	Ant 3	DSI 7	Close	376500	1882.5	17.28	18.40	1.294			0.01	0.733	0.949
	FR1 n25	40M	BPSK	1	1	Left Side	5mm	Ant 3	DSI 7	Close	376500	1882.5	17.34	18.40	1.276			0.13	0.028	0.036
	FR1 n25	40M	BPSK	108	54	Left Side	5mm	Ant 3	DSI 7	Close	376500	1882.5	17.31	18.40	1.285			-0.17	0.029	0.037
	FR1 n25	40M	BPSK	1	1	Top Side	5mm	Ant 3	DSI 7	Close	376500	1882.5	17.34	18.40	1.276			0.02	0.995	1.270
	FR1 n25	40M	BPSK	108	54	Top Side	5mm	Ant 3	DSI 7	Close	376500	1882.5	17.31	18.40	1.285			0.17	0.883	1.135
	FR1 n25	40M	BPSK	216	0	Top Side	5mm	Ant 3	DSI 7	Close	376500	1882.5	17.28	18.40	1.294			-0.17	0.883	1.143
	FR1 n25	40M	BPSK	1	1	Front	5mm	Ant 2	DSI 7	Close	376500	1882.5	18.78	19.90	1.294			-0.08	0.177	0.229
	FR1 n25	40M	BPSK	108	54	Front	5mm	Ant 2	DSI 7	Close	376500	1882.5	18.76	19.90	1.3			0.07	0.167	0.217
	FR1 n25	40M	BPSK	1	1	Back	5mm	Ant 2	DSI 7	Close	376500	1882.5	18.78	19.90	1.294			-0.02	0.930	1.203
	FR1 n25	40M	BPSK	108	54	Back	5mm	Ant 2	DSI 7	Close	376500	1882.5	18.76	19.90	1.3			0.06	0.874	1.136
	FR1 n25	40M	BPSK	216	0	Back	5mm	Ant 2	DSI 7	Close	376500	1882.5	18.74	19.90	1.306			-0.16	0.904	1.181
	FR1 n25	40M	BPSK	1	1	Left Side	5mm	Ant 2	DSI 7	Close	376500	1882.5	18.78	19.90	1.294			0.12	0.114	0.148
	FR1 n25	40M	BPSK	108	54	Left Side	5mm	Ant 2	DSI 7	Close	376500	1882.5	18.76	19.90	1.3			0.15	0.112	0.146
60	FR1 n25	40M	BPSK	1	1	Bottom Side	5mm	Ant 2	DSI 7	Close	376500	1882.5	18.78	19.90	1.294			0.06	1.000	1.294
	FR1 n25	40M	BPSK	108	54	Bottom Side	5mm	Ant 2	DSI 7	Close	376500	1882.5	18.76	19.90	1.3			0.08	0.883	1.148
	FR1 n25	40M	BPSK	216	0	Bottom Side	5mm	Ant 2	DSI 7	Close	376500	1882.5	18.74	19.90	1.306			0.07	0.971	1.268
	FR1 n26	20M	BPSK	1	1	Front	5mm	Ant 0	DSI 7	Close	166300	831.5	23.32	24.00	1.169			-0.07	0.295	0.345
	FR1 n26	20M	BPSK	50	28	Front	5mm	Ant 0	DSI 7	Close	166300	831.5	23.30	24.00	1.175			0.05	0.288	0.338
61	FR1 n26	20M	BPSK	1	1	Back	5mm	Ant 0	DSI 7	Close	166300	831.5	23.32	24.00	1.169			0.05	0.759	0.887
	FR1 n26	20M	BPSK	50	28	Back	5mm	Ant 0	DSI 7	Close	166300	831.5	23.30	24.00	1.175			-0.11	0.742	0.872
	FR1 n26	20M	BPSK	100	0	Back	5mm	Ant 0	DSI 7	Close	166300	831.5	23.28	24.00	1.18			0.13	0.746	0.880
	FR1 n26	20M	BPSK	1	1	Right Side	5mm	Ant 0	DSI 7	Close	166300	831.5	23.32	24.00	1.169			-0.03	0.676	0.790
	FR1 n26	20M	BPSK	50	28	Right Side	5mm	Ant 0	DSI 7	Close	166300	831.5	23.30	24.00	1.175			0.07	0.570	0.670
	FR1 n26	20M	BPSK	1	1	Bottom Side	5mm	Ant 0	DSI 7	Close	166300	831.5	23.32	24.00	1.169			-0.14	0.387	0.452
	FR1 n26	20M	BPSK	50	28	Bottom Side	5mm	Ant 0	DSI 7	Close	166300	831.5	23.30	24.00	1.175			-0.06	0.371	0.436
	FR1 n26	20M	BPSK	1	1	Front	5mm	Ant 1	DSI 7	Close	166300	831.5	23.33	24.00	1.167			0.07	0.199	0.232
	FR1 n26	20M	BPSK	50	28	Front	5mm	Ant 1	DSI 7	Close	166300	831.5	23.29	24.00	1.178			-0.03	0.189	0.223
	FR1 n26	20M	BPSK	1	1	Back Right	5mm	Ant 1	DSI 7	Close	166300	831.5	23.33	24.00	1.167			-0.05	0.614	0.717
	FR1 n26	20M	BPSK	50	28	Back Right	5mm	Ant 1	DSI 7	Close	166300	831.5	23.29	24.00	1.178			0.15	0.587	0.691
	FR1 n26	20M	BPSK	1	1	Back 1	5mm	Ant 1	DSI 7	Close	166300	831.5	23.33	24.00	1.167			-0.14	0.490	0.572
	FR1 n26	20M	BPSK	50	28	Back 1	5mm	Ant 1	DSI 7	Close	166300	831.5	23.29	24.00	1.178			-0.15	0.470	0.554
	FR1 n26	20M	BPSK	1	1	Right Side	5mm	Ant 1	DSI 7	Close	166300	831.5	23.33	24.00	1.167			-0.09	0.583	0.680
	FR1 n26	20M	BPSK	50	28	Right Side	5mm	Ant 1	DSI 7	Close	166300	831.5	23.29	24.00	1.178			0.13	0.515	0.607
	FR1 n30	10M	BPSK	1	1	Front	5mm	Ant 3	DSI 7	Close	462000	2310	18.46	19.60	1.3			0.13	0.379	0.493
	FR1 n30	10M	BPSK	25	14	Front	5mm	Ant 3	DSI 7	Close	462000	2310	18.43	19.60	1.309			0.04	0.376	0.492
	FR1 n30	10M	BPSK	1	1	Back Top	5mm	Ant 3	DSI 7	Close	462000	2310	18.46	19.60	1.3			0.02	0.690	0.897
	FR1 n30	10M	BPSK	25	14	Back Top	5mm	Ant 3	DSI 7	Close	462000	2310	18.43	19.60	1.309			0.17	0.809	1.059
	FR1 n30	10M	BPSK	50	0	Back Top	5mm	Ant 3	DSI 7	Close	462000	2310	18.40	19.60	1.318			-0.19	0.767	1.011
	FR1 n30	10M	BPSK	1	1	Left Side	5mm	Ant 3	DSI 7	Close	462000	2310	18.46	19.60	1.3			0.03	0.053	0.069
	FR1 n30	10M	BPSK	25	14	Left Side	5mm	Ant 3	DSI 7	Close	462000	2310	18.43	19.60	1.309			0.05	0.04	



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62	FR1 n30	10M	BPSK	25	14	Top Side	5mm	Ant 3	DSI 7	Close	462000	2310	18.43	19.60	1.309			0.04	0.985	1.289
	FR1 n30	10M	BPSK	50	0	Top Side	5mm	Ant 3	DSI 7	Close	462000	2310	18.40	19.60	1.318			0.09	0.880	1.160
	FR1 n30	10M	BPSK	1	1	Front	5mm	Ant 2	DSI 7	Close	462000	2310	20.03	21.20	1.309			0.17	0.168	0.220
	FR1 n30	10M	BPSK	25	14	Front	5mm	Ant 2	DSI 7	Close	462000	2310	20.01	21.20	1.315			0.14	0.157	0.206
	FR1 n30	10M	BPSK	1	1	Back	5mm	Ant 2	DSI 7	Close	462000	2310	20.03	21.20	1.309			-0.06	0.900	1.178
	FR1 n30	10M	BPSK	25	14	Back	5mm	Ant 2	DSI 7	Close	462000	2310	20.01	21.20	1.315			0.01	0.979	1.287
	FR1 n30	10M	BPSK	50	0	Back	5mm	Ant 2	DSI 7	Close	462000	2310	19.96	21.20	1.33			-0.13	0.932	1.240
	FR1 n30	10M	BPSK	1	1	Left Side	5mm	Ant 2	DSI 7	Close	462000	2310	20.03	21.20	1.309			0.10	0.151	0.198
	FR1 n30	10M	BPSK	25	14	Left Side	5mm	Ant 2	DSI 7	Close	462000	2310	20.01	21.20	1.315			0.18	0.107	0.141
	FR1 n30	10M	BPSK	1	1	Bottom Side	5mm	Ant 2	DSI 7	Close	462000	2310	20.03	21.20	1.309			0.08	0.743	0.973
	FR1 n30	10M	BPSK	25	14	Bottom Side	5mm	Ant 2	DSI 7	Close	462000	2310	20.01	21.20	1.315			0.08	0.885	1.164
	FR1 n30	10M	BPSK	50	0	Bottom Side	5mm	Ant 2	DSI 7	Close	462000	2310	19.96	21.20	1.33			-0.17	0.791	1.052
	FR1 n30	10M	BPSK	1	1	Front	5mm	Ant 4	DSI 7	Close	462000	2310	22.25	23.00	1.189			0.18	0.114	0.136
	FR1 n30	10M	BPSK	25	14	Front	5mm	Ant 4	DSI 7	Close	462000	2310	22.22	23.00	1.197			0.18	0.113	0.135
	FR1 n30	10M	BPSK	1	1	Back Right	5mm	Ant 4	DSI 7	Close	462000	2310	22.25	23.00	1.189			0.19	0.963	1.145
	FR1 n30	10M	BPSK	25	14	Back Right	5mm	Ant 4	DSI 7	Close	462000	2310	22.22	23.00	1.197			0.05	1.050	1.257
	FR1 n30	10M	BPSK	50	0	Back Right	5mm	Ant 4	DSI 7	Close	462000	2310	22.17	23.00	1.211			0.12	0.972	1.177
	FR1 n30	10M	BPSK	1	1	Right Side	5mm	Ant 4	DSI 7	Close	462000	2310	22.25	23.00	1.189			0.05	0.804	0.956
	FR1 n30	10M	BPSK	25	14	Right Side	5mm	Ant 4	DSI 7	Close	462000	2310	22.22	23.00	1.197			-0.04	0.669	0.801
	FR1 n30	10M	BPSK	50	0	Right Side	5mm	Ant 4	DSI 7	Close	462000	2310	22.17	23.00	1.211			0.13	0.732	0.886
	FR1 n30	10M	BPSK	1	1	Top Side	5mm	Ant 4	DSI 7	Close	462000	2310	22.25	23.00	1.189			-0.03	0.162	0.193
	FR1 n30	10M	BPSK	25	14	Top Side	5mm	Ant 4	DSI 7	Close	462000	2310	22.22	23.00	1.197			-0.15	0.133	0.159
	FR1 n30	10M	BPSK	1	1	Front	5mm	Ant 0	DSI 7	Close	462000	2310	22.36	24.00	1.459			0.06	0.118	0.172
	FR1 n30	10M	BPSK	25	14	Front	5mm	Ant 0	DSI 7	Close	462000	2310	22.34	24.00	1.466			0.10	0.138	0.202
	FR1 n30	10M	BPSK	1	1	Back	5mm	Ant 0	DSI 7	Close	462000	2310	22.36	24.00	1.459			0.06	0.713	1.040
	FR1 n30	10M	BPSK	25	14	Back	5mm	Ant 0	DSI 7	Close	462000	2310	22.34	24.00	1.466			0.00	0.663	0.972
	FR1 n30	10M	BPSK	50	0	Back	5mm	Ant 0	DSI 7	Close	462000	2310	22.28	24.00	1.486			0.01	0.717	1.065
	FR1 n30	10M	BPSK	1	1	Right Side	5mm	Ant 0	DSI 7	Close	462000	2310	22.36	24.00	1.459			-0.14	0.034	0.050
	FR1 n30	10M	BPSK	25	14	Right Side	5mm	Ant 0	DSI 7	Close	462000	2310	22.34	24.00	1.466			-0.13	0.038	0.056
	FR1 n30	10M	BPSK	1	1	Bottom Side	5mm	Ant 0	DSI 7	Close	462000	2310	22.36	24.00	1.459			0.15	0.546	0.797
	FR1 n30	10M	BPSK	25	14	Bottom Side	5mm	Ant 0	DSI 7	Close	462000	2310	22.34	24.00	1.466			0.06	0.575	0.843
	FR1 n30	10M	BPSK	50	0	Bottom Side	5mm	Ant 0	DSI 7	Close	462000	2310	22.28	24.00	1.486			-0.19	0.604	0.898
	FR1 n66	45M	BPSK	1	1	Front	5mm	Ant 3	DSI 7	Close	349000	1745	19.63	20.30	1.167			-0.12	0.205	0.239
	FR1 n66	45M	BPSK	120	60	Front	5mm	Ant 3	DSI 7	Close	349000	1745	19.60	20.30	1.175			0.11	0.254	0.298
	FR1 n66	45M	BPSK	1	1	Back Top	5mm	Ant 3	DSI 7	Close	349000	1745	19.63	20.30	1.167			-0.01	0.881	1.028
	FR1 n66	45M	BPSK	120	60	Back Top	5mm	Ant 3	DSI 7	Close	349000	1745	19.60	20.30	1.175			-0.09	0.982	1.154
	FR1 n66	45M	BPSK	240	0	Back Top	5mm	Ant 3	DSI 7	Close	349000	1745	19.53	20.30	1.194			0.14	0.992	1.184
	FR1 n66	45M	BPSK	1	1	Left Side	5mm	Ant 3	DSI 7	Close	349000	1745	19.63	20.30	1.167			-0.08	0.032	0.037
	FR1 n66	45M	BPSK	120	60	Left Side	5mm	Ant 3	DSI 7	Close	349000	1745	19.60	20.30	1.175			0.08	0.030	0.035
	FR1 n66	45M	BPSK	1	1	Top Side	5mm	Ant 3	DSI 7	Close	349000	1745	19.63	20.30	1.167			0.11	0.918	1.071
	FR1 n66	45M	BPSK	120	60	Top Side	5mm	Ant 3	DSI 7	Close	349000	1745	19.60	20.30	1.175			0.04	1.060	1.246
63	FR1 n66	45M	BPSK	240	0	Top Side	5mm	Ant 3	DSI 7	Close	349000	1745	19.53	20.30	1.194			0.03	1.070	1.278
	FR1 n66	45M	BPSK	1	1	Front	5mm	Ant 2	DSI 7	Close	349000	1745	18.95	20.10	1.303			-0.14	0.154	0.201
	FR1 n66	45M	BPSK	120	60	Front	5mm	Ant 2	DSI 7	Close	349000	1745	18.92	20.10	1.312			-0.01	0.152	0.199
	FR1 n66	45M	BPSK	1	1	Back	5mm	Ant 2	DSI 7	Close	349000	1745	18.95	20.10	1.303			0.17	0.814	1.061
	FR1 n66	45M	BPSK	120	60	Back	5mm	Ant 2	DSI 7	Close	349000	1745	18.92	20.10	1.312			0.13	0.783	1.027
	FR1 n66	45M	BPSK	240	0	Back	5mm	Ant 2	DSI 7	Close	349000	1745	18.88	20.10	1.324			-0.01	0.799	1.058
	FR1 n66	45M	BPSK	1	1	Left Side	5mm	Ant 2	DSI 7	Close	349000	1745	18.95	20.10	1.303			-0.11	0.106	0.138
	FR1 n66	45M	BPSK	120	60	Left Side	5mm	Ant 2	DSI 7	Close	349000	1745	18.92	20.10	1.312			0.04	0.100	0.131
	FR1 n66	45M	BPSK	1	1	Bottom Side	5mm	Ant 2	DSI 7	Close	349000	1745	18.95	20.10	1.303			0.08	0.973	1.268
	FR1 n66	45M	BPSK	120	60	Bottom Side	5mm	Ant 2	DSI 7	Close	349000	1745	18.92	20.10	1.312			0.01	0.903	1.185
	FR1 n66	45M	BPSK	240	0	Bottom Side	5mm	Ant 2	DSI 7	Close	349000	1745	18.88	20.10	1.324			0.11	0.934	1.237
	FR1 n70	15M	BPSK	1	1	Front	5mm	Ant 3	DSI 7	Close	340500	1702.5	20.96	22.00	1.271			0.06	0.209	0.266
	FR1 n70	15M	BPSK	36	22	Front	5mm	Ant 3	DSI 7	Close	340500	1702.5	20.94	22.00	1.276			0.02	0.248	0.316
	FR1 n70	15M	BPSK	1	1	Back Top	5mm	Ant 3	DSI 7	Close	340500	1702.5	20.96	22.00	1.271			-0.18	0.877	1.115
	FR1 n70	15M	BPSK	36	22	Back Top	5mm	Ant 3	DSI 7	Close	340500	1702.5	20.94	22.00	1.276			0.06	0.914	1.166
	FR1 n70	15M	BPSK	75	0	Back Top	5mm	Ant 3	DSI 7	Close	340500	1702.5	20.91	22.00	1.285			0.09	0.828	1.064
	FR1 n70	15M	BPSK	1	1	Left Side	5mm	Ant 3	DSI 7	Close	340500	1702.5	20.96	22.00	1.271			0.01	0.023	0.029
	FR1 n70	15M	BPSK	36	22	Left Side	5mm	Ant 3	DSI 7	Close	340500	1702.5	20.94	22.00	1.276			0.06	0.028	0.036
	FR1 n70	15M	BPSK	1	1	Top Side	5mm	Ant 3	DSI 7	Close	340500	1702.5	20.96	22.00	1.271			-0.18	0.957	1.216
	FR1 n70	15M	BPSK	36	22	Top Side	5mm	Ant 3	DSI 7	Close	340500	1702.5	20.94	22.00	1.276			0.08	0.995	1.270
	FR1 n70	15M	BPSK	75	0	Top Side	5mm	Ant 3	DSI 7	Close	340500	1702.5	20.91	22.00	1.285			0.08	0.941	1.209
	FR1 n70	15M	BPSK	1	1	Front	5mm	Ant 2	DSI 7	Close	340500	1702.5	20.67	21.20	1.13			-0.10	0.177	0.200
	FR1 n70	15M	BPSK	36	22	Front	5mm	Ant 2	DSI 7	Close	340500	1702.5	20.65	21.20	1.135			-0.14	0.196	0.222
	FR1 n70	15M	BPSK	1	1	Back	5mm	Ant 2	DSI 7	Close	340500	1702.5	20.67	21.20	1.13			0.07	0.953	1.077
	FR1 n70	15M	BPSK	36	22	Back	5mm	Ant 2	DSI 7	Close	340500	1702.5	20.65	21.20	1.135			0.03	1.100	1.249
	FR1 n70	15M	BPSK	75	0	Back	5mm	Ant 2	DSI 7	Close	340500	1702.5	20.61	20.70	1.021			0.02	0.964	0.984
	FR1 n70	15M	BPSK	1	1	Left Side	5mm	Ant 2	DSI 7	Close	340500	1702.5	20.67	21.20	1.13			-0.04	0.118	0.133
	FR1 n70	15M	BPSK	36	22	Left Side	5mm	Ant 2	DSI 7	Close	340500	1702.5	20.65	21.20	1.135			-0.07	0.186	0.211
	FR1 n70	15M	BPSK	1	1	Bottom Side	5mm	Ant 2	DSI 7	Close	340500	1702.5	20.67	21.20	1.13			0.04	1.100	1.243
64	FR1 n70	15M	BPSK	36	22	Bottom Side	5mm	Ant 2	DSI 7	Close	340500	1702.5	20.65	21.20	1.135			0.03	1.120	1.271
	FR1 n70	15M	BPSK	75	0	Bottom Side	5mm	Ant 2	DSI 7	Close	340500	1702.5	20.61	20.70	1.021			-0.		



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	FR1 n71	35M	BPSK	90	45	Front	5mm	Ant 0	DSI 7	Close	136100	680.5	23.41	24.00	1.146			-0.13	0.191	0.219
	FR1 n71	35M	BPSK	1	1	Back	5mm	Ant 0	DSI 7	Close	136100	680.5	23.43	24.00	1.14			-0.12	0.375	0.428
	FR1 n71	35M	BPSK	90	45	Back	5mm	Ant 0	DSI 7	Close	136100	680.5	23.41	24.00	1.146			-0.13	0.441	0.505
	FR1 n71	35M	BPSK	1	1	Right Side	5mm	Ant 0	DSI 7	Close	136100	680.5	23.43	24.00	1.14			-0.11	0.628	0.716
	FR1 n71	35M	BPSK	90	45	Right Side	5mm	Ant 0	DSI 7	Close	136100	680.5	23.41	24.00	1.146			0.05	0.682	0.782
	FR1 n71	35M	BPSK	1	1	Bottom Side	5mm	Ant 0	DSI 7	Close	136100	680.5	23.43	24.00	1.14			-0.12	0.267	0.304
	FR1 n71	35M	BPSK	90	45	Bottom Side	5mm	Ant 0	DSI 7	Close	136100	680.5	23.41	24.00	1.146			-0.09	0.307	0.352
	FR1 n71	35M	BPSK	1	1	Front	5mm	Ant 1	DSI 7	Close	136100	680.5	23.27	24.00	1.183			0.01	0.114	0.135
	FR1 n71	35M	BPSK	90	45	Front	5mm	Ant 1	DSI 7	Close	136100	680.5	23.24	24.00	1.191			-0.18	0.160	0.191
	FR1 n71	35M	BPSK	1	1	Back Right	5mm	Ant 1	DSI 7	Close	136100	680.5	23.27	24.00	1.183			-0.02	0.655	0.775
65	FR1 n71	35M	BPSK	90	45	Back Right	5mm	Ant 1	DSI 7	Close	136100	680.5	23.24	24.00	1.191			0.07	0.685	0.816
	FR1 n71	35M	BPSK	180	0	Back Right	5mm	Ant 1	DSI 7	Close	136100	680.5	23.21	24.00	1.199			-0.09	0.657	0.788
	FR1 n71	35M	BPSK	1	1	Back 1	5mm	Ant 1	DSI 7	Close	136100	680.5	23.27	24.00	1.183			0.09	0.334	0.395
	FR1 n71	35M	BPSK	90	45	Back 1	5mm	Ant 1	DSI 7	Close	136100	680.5	23.24	24.00	1.191			0.18	0.462	0.550
	FR1 n71	35M	BPSK	1	1	Right Side	5mm	Ant 1	DSI 7	Close	136100	680.5	23.27	24.00	1.183			0.06	0.479	0.567
	FR1 n71	35M	BPSK	90	45	Right Side	5mm	Ant 1	DSI 7	Close	136100	680.5	23.24	24.00	1.191			-0.09	0.640	0.762
	FR1 n41	100M	BPSK	1	1	Front	5mm	Ant 3	DSI 7	Close	518598	2592.99	15.60	16.70	1.288			0.15	0.405	0.522
	FR1 n41	100M	BPSK	135	69	Front	5mm	Ant 3	DSI 7	Close	518598	2592.99	15.58	16.70	1.294			-0.02	0.415	0.537
	FR1 n41	100M	BPSK	1	1	Back Top	5mm	Ant 3	DSI 7	Close	518598	2592.99	15.60	16.70	1.288			0.06	0.724	0.933
	FR1 n41	100M	BPSK	135	69	Back Top	5mm	Ant 3	DSI 7	Close	518598	2592.99	15.58	16.70	1.294			-0.15	0.661	0.855
	FR1 n41	100M	BPSK	270	0	Back Top	5mm	Ant 3	DSI 7	Close	518598	2592.99	15.53	16.70	1.309			0.01	0.641	0.839
	FR1 n41	100M	BPSK	1	1	Left Side	5mm	Ant 3	DSI 7	Close	518598	2592.99	15.60	16.70	1.288			-0.02	0.045	0.058
	FR1 n41	100M	BPSK	135	69	Left Side	5mm	Ant 3	DSI 7	Close	518598	2592.99	15.58	16.70	1.294			0.10	0.035	0.045
	FR1 n41	100M	BPSK	1	1	Top Side	5mm	Ant 3	DSI 7	Close	518598	2592.99	15.60	16.70	1.288			0.06	1.000	1.288
	FR1 n41	100M	BPSK	135	69	Top Side	5mm	Ant 3	DSI 7	Close	518598	2592.99	15.58	16.70	1.294			0.08	0.913	1.181
	FR1 n41	100M	BPSK	270	0	Top Side	5mm	Ant 3	DSI 7	Close	518598	2592.99	15.53	16.70	1.309			-0.06	0.952	1.246
	FR1 n41 HPUE	100M	BPSK	1	1	Top Side	5mm	Ant 3	DSI 7	Close	518598	2592.99	18.47	19.70	1.327	50.0	1.0	-0.18	0.963	1.278
	FR1 n41	100M	BPSK	1	1	Front	5mm	Ant 2	DSI 7	Close	518598	2592.99	18.74	20.00	1.337			0.17	0.229	0.306
	FR1 n41	100M	BPSK	135	69	Front	5mm	Ant 2	DSI 7	Close	518598	2592.99	18.69	20.00	1.352			0.07	0.254	0.343
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 2	DSI 7	Close	518598	2592.99	18.74	20.00	1.337			0.03	0.960	1.284
	FR1 n41	100M	BPSK	135	69	Back	5mm	Ant 2	DSI 7	Close	518598	2592.99	18.69	20.00	1.352			0.13	0.872	1.179
	FR1 n41	100M	BPSK	270	0	Back	5mm	Ant 2	DSI 7	Close	518598	2592.99	18.67	20.00	1.358			-0.15	0.896	1.217
	FR1 n41	100M	BPSK	1	1	Left Side	5mm	Ant 2	DSI 7	Close	518598	2592.99	18.74	20.00	1.337			-0.16	0.142	0.190
	FR1 n41	100M	BPSK	135	69	Left Side	5mm	Ant 2	DSI 7	Close	518598	2592.99	18.69	20.00	1.352			0.13	0.082	0.111
	FR1 n41	100M	BPSK	1	1	Bottom Side	5mm	Ant 2	DSI 7	Close	518598	2592.99	18.74	20.00	1.337			-0.14	0.893	1.194
	FR1 n41	100M	BPSK	135	69	Bottom Side	5mm	Ant 2	DSI 7	Close	518598	2592.99	18.69	20.00	1.352			-0.19	0.865	1.169
	FR1 n41	100M	BPSK	270	0	Bottom Side	5mm	Ant 2	DSI 7	Close	518598	2592.99	18.67	20.00	1.358			0.15	0.833	1.131
	FR1 n41 HPUE	100M	BPSK	1	1	Back	5mm	Ant 2	DSI 7	Close	518598	2592.99	21.78	23.00	1.324	50.0	1.0	0.03	0.921	1.219
	FR1 n41	100M	BPSK	1	1	Front	5mm	Ant 4	DSI 7	Close	518598	2592.99	20.60	21.60	1.259			-0.05	0.092	0.116
	FR1 n41	100M	BPSK	135	69	Front	5mm	Ant 4	DSI 7	Close	518598	2592.99	20.58	21.60	1.265			0.18	0.107	0.135
66	FR1 n41	100M	BPSK	1	1	Back Right	5mm	Ant 4	DSI 7	Close	518598	2592.99	20.60	21.60	1.259			-0.05	1.030	1.297
	FR1 n41	100M	BPSK	135	69	Back Right	5mm	Ant 4	DSI 7	Close	518598	2592.99	20.58	21.60	1.265			-0.13	1.010	1.278
	FR1 n41	100M	BPSK	270	0	Back Right	5mm	Ant 4	DSI 7	Close	518598	2592.99	20.54	21.60	1.276			0.05	0.883	1.127
	FR1 n41	100M	BPSK	1	1	Right Side	5mm	Ant 4	DSI 7	Close	518598	2592.99	20.60	21.60	1.259			0.17	0.932	1.173
	FR1 n41	100M	BPSK	135	69	Right Side	5mm	Ant 4	DSI 7	Close	518598	2592.99	20.58	21.60	1.265			-0.01	0.850	1.075
	FR1 n41	100M	BPSK	270	0	Right Side	5mm	Ant 4	DSI 7	Close	518598	2592.99	20.54	21.60	1.276			0.09	0.875	1.117
	FR1 n41	100M	BPSK	1	1	Top Side	5mm	Ant 4	DSI 7	Close	518598	2592.99	20.60	21.60	1.259			0.16	0.048	0.060
	FR1 n41	100M	BPSK	135	69	Top Side	5mm	Ant 4	DSI 7	Close	518598	2592.99	20.58	21.60	1.265			-0.08	0.008	0.010
	FR1 n41 HPUE	100M	BPSK	1	1	Back Right	5mm	Ant 4	DSI 7	Close	518598	2592.99	23.39	24.60	1.321	50.0	1.0	-0.03	0.965	1.275
	FR1 n41	100M	BPSK	1	1	Front	5mm	Ant 0	DSI 7	Close	518598	2592.99	21.35	22.70	1.365			0.14	0.882	1.204
	FR1 n41	100M	BPSK	135	69	Front	5mm	Ant 0	DSI 7	Close	518598	2592.99	21.30	22.70	1.38			-0.16	0.380	0.524
	FR1 n41	100M	BPSK	270	0	Front	5mm	Ant 0	DSI 7	Close	518598	2592.99	21.25	22.70	1.396			0.01	0.360	0.503
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 0	DSI 7	Close	518598	2592.99	21.35	22.70	1.365			-0.00	0.474	0.647
	FR1 n41	100M	BPSK	135	69	Back	5mm	Ant 0	DSI 7	Close	518598	2592.99	21.30	22.70	1.38			-0.18	0.409	0.564
	FR1 n41	100M	BPSK	1	1	Right Side	5mm	Ant 0	DSI 7	Close	518598	2592.99	21.35	22.70	1.365			0.09	0.357	0.487
	FR1 n41	100M	BPSK	135	69	Right Side	5mm	Ant 0	DSI 7	Close	518598	2592.99	21.30	22.70	1.38			0.04	0.414	0.571
	FR1 n41	100M	BPSK	1	1	Bottom Side	5mm	Ant 0	DSI 7	Close	518598	2592.99	21.35	22.70	1.365			0.02	0.931	1.271
	FR1 n41	100M	BPSK	135	69	Bottom Side	5mm	Ant 0	DSI 7	Close	518598	2592.99	21.30	22.70	1.38			0.07	0.859	1.185
	FR1 n41	100M	BPSK	270	0	Bottom Side	5mm	Ant 0	DSI 7	Close	518598	2592.99	21.25	22.70	1.396			0.02	0.836	1.167
	FR1 n41 HPUE	100M	BPSK	1	1	Bottom Side	5mm	Ant 0	DSI 7	Close	518598	2592.99	24.32	25.70	1.374	50.0	1.0	0.05	0.905	1.243
	FR1 n48	40M	BPSK	1	1	Front	5mm	Ant 2	DSI 7	Close	641666	3624.99	18.77	19.40	1.156			-0.10	0.084	0.097
	FR1 n48	40M	BPSK	50	28	Front	5mm	Ant 2	DSI 7	Close	641666	3624.99	18.76	19.40	1.159			-0.03	0.089	0.103
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 2	DSI 7	Close	641666	3624.99	18.77	19.40	1.156			-0.03	0.901	1.042
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 2	DSI 7	Close	638000	3570	18.75	19.40	1.161			0.07	0.878	1.019
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 2	DSI 7	Close	645332	3679.98	18.71	19.40	1.172			-0.02	0.850	0.996
	FR1 n48	40M	BPSK	50	28	Back	5mm	Ant 2	DSI 7	Close	641666	3624.99	18.76	19.40	1.159			0.13	0.940	1.089
	FR1 n48	40M	BPSK	50	28	Back	5mm	Ant 2	DSI 7	Close	638000	3570	18.74	19.40	1.164			0.09	0.921	1.072
	FR1 n48	40M	BPSK	50	28	Back	5mm	Ant 2	DSI 7	Close	645332	3679.98	18.68	19.40	1.18			-0.14	0.917	1.082
	FR1 n48	40M	BPSK	100	0	Back	5mm	Ant 2	DSI 7	Close	641666	3624.99	18.72	19.40	1.169			-0.02	0.889	1.039
	FR1 n48	40M	BPSK	1	1	Left Side	5mm	Ant 2	DSI 7	Close	641666	3624.99	18.77	19.40	1.156			0.01	0.081	0.094
	FR1 n48	40M	BPSK	50	28	Left Side	5mm	Ant 2	DSI 7	Close	641666									



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	FR1 n48	40M	BPSK	1	1	Bottom Side	5mm	Ant 2	DSI 7	Close	641666	3624.99	18.77	19.40	1.156			0.04	1.100	1.272
	FR1 n48	40M	BPSK	1	1	Bottom Side	5mm	Ant 2	DSI 7	Close	638000	3570	18.75	19.40	1.161			0.05	0.936	1.087
	FR1 n48	40M	BPSK	1	1	Bottom Side	5mm	Ant 2	DSI 7	Close	645332	3679.98	18.71	19.40	1.172			0.15	1.010	1.184
	FR1 n48	40M	BPSK	50	28	Bottom Side	5mm	Ant 2	DSI 7	Close	641666	3624.99	18.76	19.40	1.159			0.15	1.000	1.159
	FR1 n48	40M	BPSK	50	28	Bottom Side	5mm	Ant 2	DSI 7	Close	638000	3570	18.74	19.40	1.164			0.00	0.975	1.135
	FR1 n48	40M	BPSK	50	28	Bottom Side	5mm	Ant 2	DSI 7	Close	645332	3679.98	18.68	19.40	1.18			0.05	0.987	1.165
	FR1 n48	40M	BPSK	100	0	Bottom Side	5mm	Ant 2	DSI 7	Close	641666	3624.99	18.72	19.40	1.169			-0.15	1.050	1.227
	FR1 n48	40M	BPSK	1	1	Front	5mm	Ant 4	DSI 7	Close	641666	3624.99	20.15	21.30	1.303			0.03	0.081	0.106
	FR1 n48	40M	BPSK	50	28	Front	5mm	Ant 4	DSI 7	Close	641666	3624.99	20.13	21.30	1.309			0.03	0.082	0.107
	FR1 n48	40M	BPSK	1	1	Back Right	5mm	Ant 4	DSI 7	Close	641666	3624.99	20.15	21.30	1.303			-0.17	0.930	1.212
	FR1 n48	40M	BPSK	1	1	Back Right	5mm	Ant 4	DSI 7	Close	638000	3570	20.11	21.30	1.315			-0.08	0.877	1.153
	FR1 n48	40M	BPSK	1	1	Back Right	5mm	Ant 4	DSI 7	Close	645332	3679.98	20.09	21.30	1.321			0.12	0.706	0.933
	FR1 n48	40M	BPSK	50	28	Back Right	5mm	Ant 4	DSI 7	Close	641666	3624.99	20.13	21.30	1.309			0.11	0.863	1.130
67	FR1 n48	40M	BPSK	50	28	Back Right	5mm	Ant 4	DSI 7	Close	638000	3570	20.05	21.30	1.334			-0.03	0.968	1.291
	FR1 n48	40M	BPSK	50	28	Back Right	5mm	Ant 4	DSI 7	Close	645332	3679.98	20.08	21.30	1.324			0.02	0.672	0.890
	FR1 n48	40M	BPSK	100	0	Back Right	5mm	Ant 4	DSI 7	Close	641666	3624.99	20.10	21.30	1.318			-0.09	0.863	1.137
	FR1 n48	40M	BPSK	1	1	Right Side	5mm	Ant 4	DSI 7	Close	641666	3624.99	20.15	21.30	1.303			0.18	0.338	0.440
	FR1 n48	40M	BPSK	50	28	Right Side	5mm	Ant 4	DSI 7	Close	641666	3624.99	20.13	21.30	1.309			0.09	0.308	0.403
	FR1 n48	40M	BPSK	1	1	Top Side	5mm	Ant 4	DSI 7	Close	641666	3624.99	20.15	21.30	1.303			0.04	0.033	0.043
	FR1 n48	40M	BPSK	50	28	Top Side	5mm	Ant 4	DSI 7	Close	641666	3624.99	20.13	21.30	1.309			0.12	0.030	0.039
	FR1 n48	40M	BPSK	1	1	Front	5mm	Ant 6	DSI 7	Close	641666	3624.99	19.84	20.40	1.138			-0.03	0.130	0.148
	FR1 n48	40M	BPSK	50	28	Front	5mm	Ant 6	DSI 7	Close	641666	3624.99	19.82	20.40	1.143			0.10	0.117	0.134
	FR1 n48	40M	BPSK	1	1	Back Top	5mm	Ant 6	DSI 7	Close	641666	3624.99	19.84	20.40	1.138			0.07	1.010	1.149
	FR1 n48	40M	BPSK	1	1	Back Top	5mm	Ant 6	DSI 7	Close	638000	3570	19.81	20.40	1.146			0.17	0.919	1.053
	FR1 n48	40M	BPSK	1	1	Back Top	5mm	Ant 6	DSI 7	Close	645332	3679.98	19.77	20.40	1.156			0.04	0.992	1.147
	FR1 n48	40M	BPSK	50	28	Back Top	5mm	Ant 6	DSI 7	Close	641666	3624.99	19.82	20.40	1.143			-0.16	1.010	1.154
	FR1 n48	40M	BPSK	50	28	Back Top	5mm	Ant 6	DSI 7	Close	638000	3570	19.78	20.40	1.153			0.01	1.100	1.268
	FR1 n48	40M	BPSK	50	28	Back Top	5mm	Ant 6	DSI 7	Close	645332	3679.98	19.75	20.40	1.161			0.10	1.020	1.184
	FR1 n48	40M	BPSK	100	0	Back Top	5mm	Ant 6	DSI 7	Close	641666	3624.99	19.79	20.40	1.151			0.01	1.080	1.243
	FR1 n48	40M	BPSK	1	1	Right Side	5mm	Ant 6	DSI 7	Close	641666	3624.99	19.84	20.40	1.138			-0.17	0.121	0.138
	FR1 n48	40M	BPSK	50	28	Right Side	5mm	Ant 6	DSI 7	Close	641666	3624.99	19.82	20.40	1.143			-0.01	0.115	0.131
	FR1 n48	40M	BPSK	1	1	Top Side	5mm	Ant 6	DSI 7	Close	641666	3624.99	19.84	20.40	1.138			0.07	0.944	1.074
	FR1 n48	40M	BPSK	1	1	Top Side	5mm	Ant 6	DSI 7	Close	638000	3570	19.81	20.40	1.146			0.11	0.885	1.014
	FR1 n48	40M	BPSK	1	1	Top Side	5mm	Ant 6	DSI 7	Close	645332	3679.98	19.77	20.40	1.156			0.09	0.851	0.984
	FR1 n48	40M	BPSK	50	28	Top Side	5mm	Ant 6	DSI 7	Close	641666	3624.99	19.82	20.40	1.143			-0.03	0.792	0.905
	FR1 n48	40M	BPSK	50	28	Top Side	5mm	Ant 6	DSI 7	Close	638000	3570	19.78	20.40	1.153			0.19	0.758	0.874
	FR1 n48	40M	BPSK	50	28	Top Side	5mm	Ant 6	DSI 7	Close	645332	3679.98	19.75	20.40	1.161			0.02	0.763	0.886
	FR1 n48	40M	BPSK	100	0	Top Side	5mm	Ant 6	DSI 7	Close	641666	3624.99	19.79	20.40	1.151			-0.08	0.738	0.849
	FR1 n48	40M	BPSK	1	1	Front	5mm	Ant 8	DSI 7	Close	641666	3624.99	19.06	20.30	1.33			0.08	0.197	0.262
	FR1 n48	40M	BPSK	50	28	Front	5mm	Ant 8	DSI 7	Close	641666	3624.99	19.02	20.30	1.343			-0.07	0.167	0.224
	FR1 n48	40M	BPSK	1	1	Back Top	5mm	Ant 8	DSI 7	Close	641666	3624.99	19.06	20.30	1.33			-0.06	0.966	1.285
	FR1 n48	40M	BPSK	1	1	Back Top	5mm	Ant 8	DSI 7	Close	638000	3570	19.02	20.30	1.343			0.09	0.851	1.143
	FR1 n48	40M	BPSK	1	1	Back Top	5mm	Ant 8	DSI 7	Close	645332	3679.98	19.00	20.30	1.349			-0.13	0.841	1.135
	FR1 n48	40M	BPSK	50	28	Back Top	5mm	Ant 8	DSI 7	Close	641666	3624.99	19.02	20.30	1.343			0.17	0.680	0.913
	FR1 n48	40M	BPSK	50	28	Back Top	5mm	Ant 8	DSI 7	Close	638000	3570	18.96	20.30	1.361			0.18	0.883	1.202
	FR1 n48	40M	BPSK	50	28	Back Top	5mm	Ant 8	DSI 7	Close	645332	3679.98	18.99	20.30	1.352			0.16	0.755	1.021
	FR1 n48	40M	BPSK	100	0	Back Top	5mm	Ant 8	DSI 7	Close	641666	3624.99	18.92	20.30	1.374			0.10	0.761	1.046
	FR1 n48	40M	BPSK	1	1	Left Side	5mm	Ant 8	DSI 7	Close	641666	3624.99	19.06	20.30	1.33			0.13	0.143	0.190
	FR1 n48	40M	BPSK	50	28	Left Side	5mm	Ant 8	DSI 7	Close	641666	3624.99	19.02	20.30	1.343			0.16	0.143	0.192
	FR1 n48	40M	BPSK	1	1	Top Side	5mm	Ant 8	DSI 7	Close	641666	3624.99	19.06	20.30	1.33			-0.07	0.710	0.944
	FR1 n48	40M	BPSK	1	1	Top Side	5mm	Ant 8	DSI 7	Close	638000	3570	19.02	20.30	1.343			-0.05	0.739	0.992
	FR1 n48	40M	BPSK	1	1	Top Side	5mm	Ant 8	DSI 7	Close	645332	3679.98	19.00	20.30	1.349			-0.02	0.576	0.777
	FR1 n48	40M	BPSK	50	28	Top Side	5mm	Ant 8	DSI 7	Close	641666	3624.99	19.02	20.30	1.343			-0.03	0.707	0.950
	FR1 n48	40M	BPSK	50	28	Top Side	5mm	Ant 8	DSI 7	Close	638000	3570	18.96	20.30	1.361			-0.18	0.801	1.090
	FR1 n48	40M	BPSK	50	28	Top Side	5mm	Ant 8	DSI 7	Close	645332	3679.98	18.99	20.30	1.352			0.16	0.632	0.854
	FR1 n48	40M	BPSK	100	0	Top Side	5mm	Ant 8	DSI 7	Close	641666	3624.99	18.92	20.30	1.374			-0.03	0.648	0.890
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 2	DSI 7	Close	633332	3499.98	17.20	18.40	1.318			-0.18	0.080	0.105
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 2	DSI 7	Close	633332	3499.98	17.18	18.40	1.324			-0.00	0.082	0.109
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 2	DSI 7	Close	633332	3499.98	17.20	18.40	1.318			-0.18	0.686	0.904
	FR1 n77	100M	BPSK	135	69	Back	5mm	Ant 2	DSI 7	Close	633332	3499.98	17.18	18.40	1.324			0.17	0.670	0.887
	FR1 n77	100M	BPSK	270	0	Back	5mm	Ant 2	DSI 7	Close	633332	3499.98	17.16	18.40	1.33			-0.08	0.651	0.866
	FR1 n77	100M	BPSK	1	1	Left Side	5mm	Ant 2	DSI 7	Close	633332	3499.98	17.20	18.40	1.318			-0.09	0.056	0.074
	FR1 n77	100M	BPSK	135	69	Left Side	5mm	Ant 2	DSI 7	Close	633332	3499.98	17.18	18.40	1.324			0.05	0.058	0.077
	FR1 n77	100M	BPSK	1	1	Bottom Side	5mm	Ant 2	DSI 7	Close	633332	3499.98	17.20	18.40	1.318			-0.07	0.946	1.247
68	FR1 n77	100M	BPSK	135	69	Bottom Side	5mm	Ant 2	DSI 7	Close	633332	3499.98	17.18	18.40	1.324			0.19	0.965	1.278
	FR1 n77	100M	BPSK	270	0	Bottom Side	5mm	Ant 2	DSI 7	Close	633332	3499.98	17.16	18.40	1.33			0.13	0.941	1.252
	FR1 n77 HPUE	100M	BPSK	135	69	Bottom Side	5mm	Ant 2	DSI 7	Close	633332	3499.98	20.24	21.40	1.306	50.0	1.0	0.03	0.951	1.242
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 4	DSI 7	Close	633332	3499.98	19.15	20.20	1.274			0.16	0.091	0.116
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 4	DSI 7	Close	633332	3499.98	19.12	20.20	1.282			0.05	0.099	0.127
	FR1 n77	100M	BPSK	1	1	Back Right	5mm	Ant 4	DSI 7	Close	633332	3499.98	19.15	20.20	1.274			0.08	0.935	1.191
	FR1 n77	100M	BPSK	135	69	Back Right	5mm	Ant 4	DSI 7	Close	633332	3499.98	19.12	20.20	1.282					



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	FR1 n77	100M	BPSK	135	69	Right Side	5mm	Ant 4	DSI 7	Close	633332	3499.98	19.12	20.20	1.282			0.03	0.578	0.741
	FR1 n77	100M	BPSK	1	1	Top Side	5mm	Ant 4	DSI 7	Close	633332	3499.98	19.15	20.20	1.274			0.09	0.022	0.028
	FR1 n77	100M	BPSK	135	69	Top Side	5mm	Ant 4	DSI 7	Close	633332	3499.98	19.12	20.20	1.282			-0.11	0.043	0.055
	FR1 n77 HPUE	100M	BPSK	270	0	Back Right	5mm	Ant 4	DSI 7	Close	633332	3499.98	22.07	23.20	1.297	50.0	1.0	0.06	0.929	1.205
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 6	DSI 7	Close	633332	3499.98	18.25	19.40	1.303			-0.14	0.127	0.165
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 6	DSI 7	Close	633332	3499.98	18.21	19.40	1.315			-0.09	0.102	0.134
	FR1 n77	100M	BPSK	1	1	Back Top	5mm	Ant 6	DSI 7	Close	633332	3499.98	18.25	19.40	1.303			0.04	0.801	1.044
	FR1 n77	100M	BPSK	135	69	Back Top	5mm	Ant 6	DSI 7	Close	633332	3499.98	18.21	19.40	1.315			0.09	0.598	0.786
	FR1 n77	100M	BPSK	270	0	Back Top	5mm	Ant 6	DSI 7	Close	633332	3499.98	18.15	19.40	1.334			-0.18	0.642	0.856
	FR1 n77	100M	BPSK	1	1	Right Side	5mm	Ant 6	DSI 7	Close	633332	3499.98	18.25	19.40	1.303			-0.09	0.051	0.066
	FR1 n77	100M	BPSK	135	69	Right Side	5mm	Ant 6	DSI 7	Close	633332	3499.98	18.21	19.40	1.315			-0.04	0.061	0.080
	FR1 n77	100M	BPSK	1	1	Top Side	5mm	Ant 6	DSI 7	Close	633332	3499.98	18.25	19.40	1.303			0.03	0.585	0.762
	FR1 n77	100M	BPSK	135	69	Top Side	5mm	Ant 6	DSI 7	Close	633332	3499.98	18.21	19.40	1.315			-0.10	0.521	0.685
	FR1 n77 HPUE	100M	BPSK	1	1	Back Top	5mm	Ant 6	DSI 7	Close	633332	3499.98	21.23	22.40	1.309	50.0	1.0	0.09	0.776	1.016
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 8	DSI 7	Close	633332	3499.98	17.89	18.90	1.262			-0.15	0.121	0.153
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 8	DSI 7	Close	633332	3499.98	17.87	18.90	1.268			0.18	0.115	0.146
	FR1 n77	100M	BPSK	1	1	Back Top	5mm	Ant 8	DSI 7	Close	633332	3499.98	17.89	18.90	1.262			0.08	0.698	0.881
	FR1 n77	100M	BPSK	135	69	Back Top	5mm	Ant 8	DSI 7	Close	633332	3499.98	17.87	18.90	1.268			0.01	0.648	0.822
	FR1 n77	100M	BPSK	270	0	Back Top	5mm	Ant 8	DSI 7	Close	633332	3499.98	17.86	18.90	1.271			-0.05	0.670	0.852
	FR1 n77	100M	BPSK	1	1	Left Side	5mm	Ant 8	DSI 7	Close	633332	3499.98	17.89	18.90	1.262			-0.13	0.113	0.143
	FR1 n77	100M	BPSK	135	69	Left Side	5mm	Ant 8	DSI 7	Close	633332	3499.98	17.87	18.90	1.268			-0.02	0.109	0.138
	FR1 n77	100M	BPSK	1	1	Top Side	5mm	Ant 8	DSI 7	Close	633332	3499.98	17.89	18.90	1.262			0.11	0.600	0.757
	FR1 n77	100M	BPSK	135	69	Top Side	5mm	Ant 8	DSI 7	Close	633332	3499.98	17.87	18.90	1.268			0.02	0.648	0.822
	FR1 n77	100M	BPSK	270	0	Top Side	5mm	Ant 8	DSI 7	Close	633332	3499.98	17.86	18.90	1.271			0.19	0.624	0.793
	FR1 n77 HPUE	100M	BPSK	1	1	Back Top	5mm	Ant 8	DSI 7	Close	633332	3499.98	20.88	21.90	1.265	50.0	1.0	-0.11	0.676	0.855
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 2	DSI 7	Close	656000	3840	17.40	18.40	1.259			-0.02	0.070	0.088
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 2	DSI 7	Close	656000	3840	17.38	18.40	1.265			0.19	0.064	0.081
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 2	DSI 7	Close	656000	3840	17.40	18.40	1.259			0.03	0.703	0.885
	FR1 n77	100M	BPSK	135	69	Back	5mm	Ant 2	DSI 7	Close	656000	3840	17.38	18.40	1.265			-0.12	0.706	0.893
	FR1 n77	100M	BPSK	270	0	Back	5mm	Ant 2	DSI 7	Close	656000	3840	17.33	18.40	1.279			0.08	0.655	0.838
	FR1 n77	100M	BPSK	1	1	Left Side	5mm	Ant 2	DSI 7	Close	656000	3840	17.40	18.40	1.259			0.19	0.079	0.099
	FR1 n77	100M	BPSK	135	69	Left Side	5mm	Ant 2	DSI 7	Close	656000	3840	17.38	18.40	1.265			0.07	0.082	0.104
	FR1 n77	100M	BPSK	1	1	Bottom Side	5mm	Ant 2	DSI 7	Close	656000	3840	17.40	18.40	1.259			-0.13	0.631	0.794
	FR1 n77	100M	BPSK	135	69	Bottom Side	5mm	Ant 2	DSI 7	Close	656000	3840	17.38	18.40	1.265			0.07	0.712	0.901
	FR1 n77	100M	BPSK	270	0	Bottom Side	5mm	Ant 2	DSI 7	Close	656000	3840	17.33	18.40	1.279			-0.01	0.688	0.880
	FR1 n77 HPUE	100M	BPSK	135	69	Bottom Side	5mm	Ant 2	DSI 7	Close	656000	3840	20.37	21.40	1.268	50.0	1.0	0.01	0.706	0.895
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 4	DSI 7	Close	656000	3840	19.48	20.20	1.18			-0.08	0.143	0.169
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 4	DSI 7	Close	656000	3840	19.42	20.20	1.197			0.09	0.133	0.159
	FR1 n77	100M	BPSK	1	1	Back Right	5mm	Ant 4	DSI 7	Close	656000	3840	19.48	20.20	1.18			0.12	0.688	0.812
	FR1 n77	100M	BPSK	135	69	Back Right	5mm	Ant 4	DSI 7	Close	656000	3840	19.42	20.20	1.197			0.14	0.725	0.868
	FR1 n77	100M	BPSK	270	0	Back Right	5mm	Ant 4	DSI 7	Close	656000	3840	19.35	20.20	1.216			0.04	0.762	0.927
	FR1 n77	100M	BPSK	1	1	Right Side	5mm	Ant 4	DSI 7	Close	656000	3840	19.48	20.20	1.18			-0.15	0.582	0.687
	FR1 n77	100M	BPSK	135	69	Right Side	5mm	Ant 4	DSI 7	Close	656000	3840	19.42	20.20	1.197			-0.14	0.519	0.621
	FR1 n77	100M	BPSK	1	1	Top Side	5mm	Ant 4	DSI 7	Close	656000	3840	19.48	20.20	1.18			0.11	0.082	0.097
	FR1 n77	100M	BPSK	135	69	Top Side	5mm	Ant 4	DSI 7	Close	656000	3840	19.42	20.20	1.197			0.08	0.083	0.099
	FR1 n77 HPUE	100M	BPSK	270	0	Back Right	5mm	Ant 4	DSI 7	Close	656000	3840	22.26	23.20	1.242	50.0	1.0	-0.14	0.694	0.862
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 6	DSI 7	Close	656000	3840	18.30	19.40	1.288			-0.00	0.079	0.102
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 6	DSI 7	Close	656000	3840	18.28	19.40	1.294			0.17	0.077	0.100
	FR1 n77	100M	BPSK	1	1	Back Top	5mm	Ant 6	DSI 7	Close	656000	3840	18.30	19.40	1.288			-0.01	0.823	1.060
	FR1 n77	100M	BPSK	135	69	Back Top	5mm	Ant 6	DSI 7	Close	656000	3840	18.28	19.40	1.294			-0.17	0.664	0.859
	FR1 n77	100M	BPSK	270	0	Back Top	5mm	Ant 6	DSI 7	Close	656000	3840	18.23	19.40	1.309			-0.04	0.799	1.046
	FR1 n77	100M	BPSK	1	1	Right Side	5mm	Ant 6	DSI 7	Close	656000	3840	18.30	19.40	1.288			0.05	0.080	0.103
	FR1 n77	100M	BPSK	135	69	Right Side	5mm	Ant 6	DSI 7	Close	656000	3840	18.28	19.40	1.294			-0.13	0.089	0.115
	FR1 n77	100M	BPSK	1	1	Top Side	5mm	Ant 6	DSI 7	Close	656000	3840	18.30	19.40	1.288			-0.09	0.622	0.801
	FR1 n77	100M	BPSK	135	69	Top Side	5mm	Ant 6	DSI 7	Close	656000	3840	18.28	19.40	1.294			-0.16	0.466	0.603
	FR1 n77	100M	BPSK	270	0	Top Side	5mm	Ant 6	DSI 7	Close	656000	3840	18.23	19.40	1.309			0.07	0.508	0.665
	FR1 n77 HPUE	100M	BPSK	1	1	Back Top	5mm	Ant 6	DSI 7	Close	656000	3840	21.32	22.40	1.282	50.0	1.0	-0.01	0.790	1.013
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 8	DSI 7	Close	656000	3840	17.80	18.90	1.288			-0.07	0.185	0.238
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 8	DSI 7	Close	656000	3840	17.79	18.90	1.291			-0.08	0.171	0.221
	FR1 n77	100M	BPSK	1	1	Back Top	5mm	Ant 8	DSI 7	Close	656000	3840	17.80	18.90	1.288			-0.04	0.967	1.245
	FR1 n77	100M	BPSK	135	69	Back Top	5mm	Ant 8	DSI 7	Close	656000	3840	17.79	18.90	1.291			0.18	0.916	1.183
	FR1 n77	100M	BPSK	270	0	Back Top	5mm	Ant 8	DSI 7	Close	656000	3840	17.74	18.90	1.306			-0.11	0.926	1.209
	FR1 n77	100M	BPSK	1	1	Left Side	5mm	Ant 8	DSI 7	Close	656000	3840	17.80	18.90	1.288			-0.16	0.195	0.251
	FR1 n77	100M	BPSK	135	69	Left Side	5mm	Ant 8	DSI 7	Close	656000	3840	17.79	18.90	1.291			0.08	0.210	0.271
	FR1 n77	100M	BPSK	1	1	Top Side	5mm	Ant 8	DSI 7	Close	656000	3840	17.80	18.90	1.288			0.01	0.921	1.186
	FR1 n77	100M	BPSK	135	69	Top Side	5mm	Ant 8	DSI 7	Close	656000	3840	17.79	18.90	1.291			-0.12	0.951	1.228
	FR1 n77	100M	BPSK	270	0	Top Side	5mm	Ant 8	DSI 7	Close	656000	3840	17.74	18.90	1.306			-0.17	0.814	1.063
	FR1 n77 HPUE	100M	BPSK	1	1	Back Top	5mm	Ant 8	DSI 7	Close	656000	3840	20.98	21.90	1.236	50.0	1.0	-0.00	0.935	1.156



MIMO SAR

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	EUT Flip State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n48 HPUE	40M	BPSK	1	1	Front	5mm	Ant 8+4	DSI 7	Close	641666	3624.99	22.07	23.3	1.327	100	1.000	-0.18	0.069	0.092
	FR1 n48 HPUE	40M	BPSK	50	28	Front	5mm	Ant 8+4	DSI 7	Close	641666	3624.99	22.03	23.3	1.340	100	1.000	-0.03	0.067	0.09
	FR1 n48 HPUE	40M	BPSK	1	1	Back Top	5mm	Ant 8+4	DSI 7	Close	641666	3624.99	22.07	23.3	1.327	100	1.000	0.03	0.634	0.841
	FR1 n48 HPUE	40M	BPSK	1	1	Back Top	5mm	Ant 8+4	DSI 7	Close	638000	3570	22.03	23.3	1.340	100	1.000	-0.19	0.660	0.884
	FR1 n48 HPUE	40M	BPSK	1	1	Back Top	5mm	Ant 8+4	DSI 7	Close	645332	3679.98	22.01	23.3	1.346	100	1.000	0.1	0.635	0.855
	FR1 n48 HPUE	40M	BPSK	50	28	Back Top	5mm	Ant 8+4	DSI 7	Close	641666	3624.99	22.07	23.3	1.327	100	1.000	-0.08	0.725	0.962
	FR1 n48 HPUE	40M	BPSK	50	28	Back Top	5mm	Ant 8+4	DSI 7	Close	638000	3570	21.97	23.3	1.358	100	1.000	-0.09	0.530	0.72
	FR1 n48 HPUE	40M	BPSK	50	28	Back Top	5mm	Ant 8+4	DSI 7	Close	645332	3679.98	22.00	23.3	1.349	100	1.000	0.14	0.685	0.924
	FR1 n48 HPUE	40M	BPSK	100	0	Back Top	5mm	Ant 8+4	DSI 7	Close	641666	3624.99	21.93	23.3	1.371	100	1.000	0.18	0.487	0.668
	FR1 n48 HPUE	40M	BPSK	1	1	Left Side	5mm	Ant 8+4	DSI 7	Close	641666	3624.99	22.07	23.3	1.327	100	1.000	-0.09	0.084	0.111
	FR1 n48 HPUE	40M	BPSK	50	28	Left Side	5mm	Ant 8+4	DSI 7	Close	641666	3624.99	22.03	23.3	1.340	100	1.000	0.04	0.076	0.102
	FR1 n48 HPUE	40M	BPSK	1	1	Right Side	5mm	Ant 8+4	DSI 7	Close	641666	3624.99	22.07	23.3	1.327	100	1.000	-0.02	0.190	0.252
	FR1 n48 HPUE	40M	BPSK	50	28	Right Side	5mm	Ant 8+4	DSI 7	Close	641666	3624.99	22.03	23.3	1.340	100	1.000	0.04	0.165	0.221
	FR1 n48 HPUE	40M	BPSK	1	1	Top Side	5mm	Ant 8+4	DSI 7	Close	641666	3624.99	22.07	23.3	1.327	100	1.000	-0.08	0.499	0.662
	FR1 n48 HPUE	40M	BPSK	50	28	Top Side	5mm	Ant 8+4	DSI 7	Close	641666	3624.99	22.03	23.3	1.340	100	1.000	0.15	0.540	0.724
	FR1 n48 HPUE	40M	BPSK	1	1	Front	5mm	Ant 8+6	DSI 7	Close	641666	3624.99	22.02	23.3	1.343	100	1.000	-0.11	0.114	0.153
	FR1 n48 HPUE	40M	BPSK	50	28	Front	5mm	Ant 8+6	DSI 7	Close	641666	3624.99	22.02	23.3	1.344	100	1.000	0.16	0.114	0.153
	FR1 n48 HPUE	40M	BPSK	1	1	Back Top	5mm	Ant 8+6	DSI 7	Close	641666	3624.99	22.02	23.3	1.343	100	1.000	0.07	0.810	1.088
	FR1 n48 HPUE	40M	BPSK	1	1	Back Top	5mm	Ant 8+6	DSI 7	Close	638000	3570	21.96	23.3	1.361	100	1.000	0.15	0.770	1.048
	FR1 n48 HPUE	40M	BPSK	1	1	Back Top	5mm	Ant 8+6	DSI 7	Close	645332	3679.98	22.01	23.3	1.346	100	1.000	-0.08	0.765	1.03
	FR1 n48 HPUE	40M	BPSK	50	28	Back Top	5mm	Ant 8+6	DSI 7	Close	641666	3624.99	22.02	23.3	1.344	100	1.000	0.13	0.730	0.981
	FR1 n48 HPUE	40M	BPSK	50	28	Back Top	5mm	Ant 8+6	DSI 7	Close	638000	3570	21.92	23.3	1.374	100	1.000	-0.01	0.570	0.783
	FR1 n48 HPUE	40M	BPSK	50	28	Back Top	5mm	Ant 8+6	DSI 7	Close	645332	3679.98	21.93	23.3	1.371	100	1.000	-0.02	0.700	0.96
	FR1 n48 HPUE	40M	BPSK	100	0	Back Top	5mm	Ant 8+6	DSI 7	Close	641666	3624.99	21.88	23.3	1.387	100	1.000	-0.16	0.670	0.929
	FR1 n48 HPUE	40M	BPSK	1	1	Left Side	5mm	Ant 8+6	DSI 7	Close	641666	3624.99	22.02	23.3	1.343	100	1.000	0.07	0.079	0.106
	FR1 n48 HPUE	40M	BPSK	50	28	Left Side	5mm	Ant 8+6	DSI 7	Close	641666	3624.99	22.02	23.3	1.344	100	1.000	0.01	0.064	0.086
	FR1 n48 HPUE	40M	BPSK	1	1	Right Side	5mm	Ant 8+6	DSI 7	Close	641666	3624.99	22.02	23.3	1.343	100	1.000	0.12	0.072	0.097
	FR1 n48 HPUE	40M	BPSK	50	28	Right Side	5mm	Ant 8+6	DSI 7	Close	641666	3624.99	22.02	23.3	1.344	100	1.000	-0.02	0.060	0.081
	FR1 n48 HPUE	40M	BPSK	1	1	Top Side	5mm	Ant 8+6	DSI 7	Close	641666	3624.99	22.02	23.3	1.343	100	1.000	0.07	0.561	0.753
	FR1 n48 HPUE	40M	BPSK	50	28	Top Side	5mm	Ant 8+6	DSI 7	Close	641666	3624.99	22.02	23.3	1.344	100	1.000	-0.08	0.565	0.759
	FR1 n77 HPUE	100M	BPSK	1	1	Front	5mm	Ant 8+4	DSI 7	Close	633332	3499.98	20.90	21.9	1.259	50	1.000	0.04	0.093	0.117
	FR1 n77 HPUE	100M	BPSK	135	69	Front	5mm	Ant 8+4	DSI 7	Close	633332	3499.98	20.88	21.9	1.265	50	1.000	0.02	0.104	0.132
	FR1 n77 HPUE	100M	BPSK	1	1	Back Top	5mm	Ant 8+4	DSI 7	Close	633332	3499.98	20.90	21.9	1.259	50	1.000	-0.04	0.623	0.784
	FR1 n77 HPUE	100M	BPSK	135	69	Back Top	5mm	Ant 8+4	DSI 7	Close	633332	3499.98	20.88	21.9	1.265	50	1.000	0	0.615	0.778
	FR1 n77 HPUE	100M	BPSK	1	1	Left Side	5mm	Ant 8+4	DSI 7	Close	633332	3499.98	20.90	21.9	1.259	50	1.000	0.01	0.113	0.142
	FR1 n77 HPUE	100M	BPSK	135	69	Left Side	5mm	Ant 8+4	DSI 7	Close	633332	3499.98	20.88	21.9	1.265	50	1.000	-0.15	0.109	0.138
	FR1 n77 HPUE	100M	BPSK	1	1	Right Side	5mm	Ant 8+4	DSI 7	Close	633332	3499.98	20.90	21.9	1.259	50	1.000	0.05	0.203	0.256
	FR1 n77 HPUE	100M	BPSK	135	69	Right Side	5mm	Ant 8+4	DSI 7	Close	633332	3499.98	20.88	21.9	1.265	50	1.000	0.18	0.178	0.225
	FR1 n77 HPUE	100M	BPSK	1	1	Top Side	5mm	Ant 8+4	DSI 7	Close	633332	3499.98	20.90	21.9	1.259	50	1.000	0.11	0.600	0.755
	FR1 n77 HPUE	100M	BPSK	135	69	Top Side	5mm	Ant 8+4	DSI 7	Close	633332	3499.98	20.88	21.9	1.265	50	1.000	-0.09	0.648	0.82
	FR1 n77 HPUE	100M	BPSK	270	0	Top Side	5mm	Ant 8+4	DSI 7	Close	633332	3499.98	20.87	21.9	1.268	50	1.000	0	0.624	0.791
	FR1 n77_PC1.5	100M	BPSK	1	1	Back Top	5mm	Ant 8+4	DSI 7	Close	633332	3499.98	23.89	24.9	1.262	25	1.000	0.16	0.616	0.777
	FR1 n77 HPUE	100M	BPSK	1	1	Front	5mm	Ant 8+6	DSI 7	Close	633332	3499.98	20.88	21.9	1.265	50	1.000	0.06	0.121	0.153
	FR1 n77 HPUE	100M	BPSK	135	69	Front	5mm	Ant 8+6	DSI 7	Close	633332	3499.98	20.73	21.9	1.311	50	1.000	0.13	0.115	0.151
	FR1 n77 HPUE	100M	BPSK	1	1	Back Top	5mm	Ant 8+6	DSI 7	Close	633332	3499.98	20.88	21.9	1.265	50	1.000	0.08	0.648	0.82
	FR1 n77 HPUE	100M	BPSK	135	69	Back Top	5mm	Ant 8+6	DSI 7	Close	633332	3499.98	20.73	21.9	1.311	50	1.000	0.18	0.505	0.662
	FR1 n77 HPUE	100M	BPSK	270	0	Back Top	5mm	Ant 8+6	DSI 7	Close	633332	3499.98	20.86	21.9	1.270	50	1.000	-0.11	0.570	0.724
	FR1 n77 HPUE	100M	BPSK	1	1	Left Side	5mm	Ant 8+6	DSI 7	Close	633332	3499.98	20.88	21.9	1.265	50	1.000	-0.14	0.068	0.086
	FR1 n77 HPUE	100M	BPSK	135	69	Left Side	5mm	Ant 8+6	DSI 7	Close	633332	3499.98	20.73	21.9	1.311	50	1.000	0.18	0.087	0.114
	FR1 n77 HPUE	100M	BPSK	1	1	Right Side	5mm	Ant 8+6	DSI 7	Close	633332	3499.98	20.88	21.9	1.265	50	1.000	0.09	0.041	0.052
	FR1 n77 HPUE	100M	BPSK	135	69	Right Side	5mm	Ant 8+6	DSI 7	Close	633332	3499.98	20.73	21.9	1.311	50	1.000	0.18	0.036	0.047



FCC SAR Test Report

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FR1 n77 HPUE	100M	BPSK	1	1	Top Side	5mm	Ant 8+6	DSI 7	Close	633332	3499.98	20.88	21.9	1.265	50	1.000	0.13	0.585	0.74
FR1 n77 HPUE	100M	BPSK	135	69	Top Side	5mm	Ant 8+6	DSI 7	Close	633332	3499.98	20.73	21.9	1.311	50	1.000	0.04	0.525	0.688
FR1 n77_PC1.5	100M	BPSK	1	1	Top Side	5mm	Ant 8+6	DSI 7	Close	633332	3499.98	23.85	24.9	1.273	25	1.000	-0.11	0.621	0.791
FR1 n77 HPUE	100M	BPSK	1	1	Front	5mm	Ant 8+4	DSI 7	Close	656000	3840	20.81	21.9	1.285	50	1.000	0.04	0.062	0.08
FR1 n77 HPUE	100M	BPSK	135	69	Front	5mm	Ant 8+4	DSI 7	Close	656000	3840	20.80	21.9	1.288	50	1.000	0.05	0.059	0.076
FR1 n77 HPUE	100M	BPSK	1	1	Back Top	5mm	Ant 8+4	DSI 7	Close	656000	3840	20.81	21.9	1.285	50	1.000	-0.13	0.515	0.662
FR1 n77 HPUE	100M	BPSK	135	69	Back Top	5mm	Ant 8+4	DSI 7	Close	656000	3840	20.80	21.9	1.288	50	1.000	0.06	0.510	0.657
FR1 n77 HPUE	100M	BPSK	1	1	Left Side	5mm	Ant 8+4	DSI 7	Close	656000	3840	20.81	21.9	1.285	50	1.000	0.13	0.071	0.091
FR1 n77 HPUE	100M	BPSK	135	69	Left Side	5mm	Ant 8+4	DSI 7	Close	656000	3840	20.80	21.9	1.288	50	1.000	0	0.068	0.088
FR1 n77 HPUE	100M	BPSK	1	1	Right Side	5mm	Ant 8+4	DSI 7	Close	656000	3840	20.81	21.9	1.285	50	1.000	-0.07	0.110	0.141
FR1 n77 HPUE	100M	BPSK	135	69	Right Side	5mm	Ant 8+4	DSI 7	Close	656000	3840	20.80	21.9	1.288	50	1.000	-0.18	0.125	0.161
FR1 n77 HPUE	100M	BPSK	1	1	Top Side	5mm	Ant 8+4	DSI 7	Close	656000	3840	20.81	21.9	1.285	50	1.000	0.14	0.387	0.497
FR1 n77 HPUE	100M	BPSK	135	69	Top Side	5mm	Ant 8+4	DSI 7	Close	656000	3840	20.80	21.9	1.288	50	1.000	0	0.451	0.581
FR1 n77_PC1.5	100M	BPSK	1	1	Back Top	5mm	Ant 8+4	DSI 7	Close	656000	3840	23.99	24.9	1.233	25	1.000	0.17	0.590	0.727
FR1 n77 HPUE	100M	BPSK	1	1	Front	5mm	Ant 8+6	DSI 7	Close	656000	3840	20.77	21.9	1.297	50	1.000	0.11	0.185	0.24
FR1 n77 HPUE	100M	BPSK	135	69	Front	5mm	Ant 8+6	DSI 7	Close	656000	3840	20.76	21.9	1.300	50	1.000	-0.02	0.171	0.222
FR1 n77 HPUE	100M	BPSK	1	1	Back Top	5mm	Ant 8+6	DSI 7	Close	656000	3840	20.77	21.9	1.297	50	1.000	-0.07	0.901	1.169
FR1 n77 HPUE	100M	BPSK	135	69	Back Top	5mm	Ant 8+6	DSI 7	Close	656000	3840	20.76	21.9	1.300	50	1.000	0.02	0.911	1.184
FR1 n77 HPUE	100M	BPSK	270	0	Back Top	5mm	Ant 8+6	DSI 7	Close	656000	3840	20.74	21.9	1.308	50	1.000	0.15	0.814	1.065
FR1 n77 HPUE	100M	BPSK	1	1	Left Side	5mm	Ant 8+6	DSI 7	Close	656000	3840	20.77	21.9	1.297	50	1.000	0.08	0.195	0.253
FR1 n77 HPUE	100M	BPSK	135	69	Left Side	5mm	Ant 8+6	DSI 7	Close	656000	3840	20.76	21.9	1.300	50	1.000	0.04	0.210	0.273
FR1 n77 HPUE	100M	BPSK	1	1	Right Side	5mm	Ant 8+6	DSI 7	Close	656000	3840	20.77	21.9	1.297	50	1.000	0.17	0.195	0.253
FR1 n77 HPUE	100M	BPSK	135	69	Right Side	5mm	Ant 8+6	DSI 7	Close	656000	3840	20.76	21.9	1.300	50	1.000	-0.04	0.210	0.273
FR1 n77 HPUE	100M	BPSK	1	1	Top Side	5mm	Ant 8+6	DSI 7	Close	656000	3840	20.77	21.9	1.297	50	1.000	0.09	0.835	1.083
FR1 n77 HPUE	100M	BPSK	135	69	Top Side	5mm	Ant 8+6	DSI 7	Close	656000	3840	20.76	21.9	1.300	50	1.000	-0.03	0.851	1.106
FR1 n77_PC1.5	100M	BPSK	135	69	Back Top	5mm	Ant 8+6	DSI 7	Close	656000	3840	23.87	24.9	1.269	25	1.000	0.05	0.821	1.042

UL CA SAR

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 7	20M	QPSK	1	0	Top Side	5mm	Ant 3	DSI 7	21350+21152	2560+2540.2	15.34	16.4	1.276	100	1.000	0.02	0.922	1.176
	LTE Band 7	20M	QPSK	1	99	Back	5mm	Ant 2	DSI 7	21100+21298	2535+2554.8	20.8	21.9	1.288	100	1.000	0.02	0.910	1.172
	LTE Band 7	20M	QPSK	1	99	Right Side	5mm	Ant 4	DSI 7	21100+21298	2535+2554.8	20.48	21.8	1.355	100	1.000	0.02	0.868	1.176
	LTE Band 7	20M	QPSK	1	0	Right Side	5mm	Ant 0	DSI 7	21350+21152	2560+2540.2	20.6	21.8	1.318	100	1.000	0.02	0.896	1.181
	LTE Band 2	20M	QPSK	1	99	Back Top	5mm	Ant 3	DSI 7	18900+19098	1880+1899.8	17.93	19.1	1.309	100	1.000	0.01	0.906	1.186
	LTE Band 2	20M	QPSK	1	99	Bottom Side	5mm	Ant 2	DSI 7	18700+18898	1860+1879.8	19.22	20.1	1.225	100	1.000	0.01	0.952	1.166
	LTE Band 2	20M	QPSK	1	99	Back Right	5mm	Ant 4	DSI 7	18900+19098	1880+1899.8	21.53	22.6	1.279	100	1.000	0.09	0.924	1.182
	LTE Band 2	20M	QPSK	1	99	Right Side	5mm	Ant 0	DSI 7	18700+18898	1860+1879.8	20.83	21.8	1.250	100	1.000	0.02	0.911	1.139
	LTE Band 5	10M	QPSK	1	49	Back	5mm	Ant 0	DSI 7	20476+20575	831.6+841.5	22.88	24	1.294	100	1.000	0.01	0.906	1.172
	LTE Band 5	10M	QPSK	1	49	Back Right	5mm	Ant 1	DSI 7	20476+20575	831.6+841.5	23.16	24	1.213	100	1.000	0.09	0.911	1.105
	LTE Band 66	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 7	132572+132374	1770+1750.2	18.35	19.5	1.303	100	1.000	0.01	0.879	1.145
	LTE Band 66	20M	QPSK	1	99	Bottom Side	5mm	Ant 2	DSI 7	132322+132520	1745+1764.8	18.78	19.7	1.236	100	1.000	0.02	0.814	1.006
	LTE Band 66	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 7	132572+132374	1770+1750.2	21.16	22.3	1.300	100	1.000	0.04	0.896	1.165
	LTE Band 66	20M	QPSK	1	99	Right Side	5mm	Ant 0	DSI 7	132072+132270	1720+1739.8	18.43	19.6	1.309	100	1.000	0.01	0.869	1.138
	LTE Band 41	20M	QPSK	1	99	Top Side	5mm	Ant 3	DSI 7	40185+40383	2549.5+2569.3	17.36	18.6	1.330	62.9	1.006	0.06	0.862	1.153
	LTE Band 41_HPUE	20M	QPSK	1	99	Top Side	5mm	Ant 3	DSI 7	40185+40383	2549.5+2569.3	19.22	20.2	1.253	42.9	1.009	0.02	0.871	1.101
	LTE Band 41	20M	QPSK	1	99	Bottom Side	5mm	Ant 2	DSI 7	40185+40383	2549.5+2569.3	21.1	22	1.230	62.9	1.006	0.12	0.927	1.147
	LTE Band 41_HPUE	20M	QPSK	1	99	Bottom Side	5mm	Ant 2	DSI 7	40185+40383	2549.5+2569.3	22.41	23.6	1.315	42.9	1.009	0.02	0.893	1.185
	LTE Band 41	20M	QPSK	1	99	Back Right	5mm	Ant 4	DSI 7	41055+41253	2636.5+2656.3	21.75	22.7	1.245	62.9	1.006	0.14	0.902	1.13
	LTE Band 41_HPUE	20M	QPSK	1	99	Back Right	5mm	Ant 4	DSI 7	41055+41253	2636.5+2656.3	23.06	24.3	1.330	42.9	1.009	0.12	0.882	1.184
	LTE Band 41	20M	QPSK	1	99	Right Side	5mm	Ant 0	DSI 7	40185+40383	2549.5+2569.3	22.71	23.6	1.227	62.9	1.006	0.02	0.892	1.101
	LTE Band 41_HPUE	20M	QPSK	1	99	Right Side	5mm	Ant 0	DSI 7	40185+40383	2549.5+2569.3	24.05	25.2	1.303	42.9	1.009	0.02	0.873	1.148
	LTE Band 42	20M	QPSK	1	99	Bottom Side	5mm	Ant 2	DSI 7	42590+42788	3500+3519.8	18.11	19.3	1.315	62.9	1.006	0.01	0.874	1.156
	LTE Band 42	20M	QPSK	1	99	Back Right	5mm	Ant 4	DSI 7	42590+42788	3500+3519.8	22.08	23	1.236	62.9	1.006	0.02	0.862	1.072



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	LTE Band 42	20M	QPSK	1	99	Back Top	5mm	Ant 6	DSI 7	42590+42788	3500+3519.8	20.18	20.8	1.153	62.9	1.006	0.03	0.833	0.966
	LTE Band 42	20M	QPSK	1	99	Back Top	5mm	Ant 8	DSI 7	42590+42788	3500+3519.8	18.15	19.3	1.303	62.9	1.006	0.05	0.871	1.142
	LTE Band 42	20M	QPSK	1	99	Bottom Side	5mm	Ant 2	DSI 7	43340+43538	3575+3594.8	18.09	19.3	1.321	62.9	1.006	0.16	0.864	1.148
	LTE Band 42	20M	QPSK	1	99	Back Right	5mm	Ant 4	DSI 7	43340+43538	3575+3594.8	21.95	23	1.274	62.9	1.006	0.12	0.801	1.027
	LTE Band 42	20M	QPSK	1	99	Back Top	5mm	Ant 6	DSI 7	43340+43538	3575+3594.8	20.11	20.8	1.172	62.9	1.006	0.19	0.924	1.089
	LTE Band 42	20M	QPSK	1	99	Back Top	5mm	Ant 8	DSI 7	43340+43538	3575+3594.8	18.12	19.3	1.312	62.9	1.006	0.04	0.892	1.177
	LTE Band 48	20M	QPSK	1	99	Bottom Side	5mm	Ant 2	DSI 7	55340+55538	3560+3579.8	18.88	20	1.294	62.9	1.006	0.01	0.916	1.192
	LTE Band 48	20M	QPSK	1	99	Back Right	5mm	Ant 4	DSI 7	55340+55538	3560+3579.8	21.93	23	1.279	62.9	1.006	0.05	0.901	1.159
	LTE Band 48	20M	QPSK	1	99	Back Top	5mm	Ant 6	DSI 7	55830+56028	3609+3628.8	20.04	20.8	1.191	62.9	1.006	0.06	0.879	1.053
	LTE Band 48	20M	QPSK	1	99	Back Top	5mm	Ant 8	DSI 7	55340+55538	3560+3579.8	18.61	19.8	1.315	62.9	1.006	0.09	0.886	1.172
	FR1 n41	100M	BPSK	144	129	Top Side	5mm	Ant 3	DSI 7	509598+528582	2547.99+2642.91	15.72	16.7	1.253	100	1.000	0.01	0.986	1.235
	FR1 n41	100M	BPSK	144	129	Back	5mm	Ant 2	DSI 7	509598+528582	2547.99+2642.91	19.18	20	1.208	100	1.000	0.07	0.911	1.1
	FR1 n41	100M	BPSK	144	129	Back Right	5mm	Ant 4	DSI 7	509598+528582	2547.99+2642.91	20.7	21.6	1.230	100	1.000	-0.02	0.965	1.187
	FR1 n41	100M	BPSK	144	129	Bottom Side	5mm	Ant 0	DSI 7	509598+528582	2547.99+2642.91	21.71	22.7	1.256	100	1.000	0.04	0.911	1.144
	FR1 n77	100M	BPSK	162	108	Bottom Side	5mm	Ant 2	DSI 7	655008+659334	3825.12+3890.01	17.49	18.4	1.233	100	1.000	-0.03	0.653	0.805
	FR1 n77	100M	BPSK	162	108	Back Right	5mm	Ant 4	DSI 7	655008+659334	3825.12+3890.01	19.4	20.2	1.202	100	1.000	0.01	0.712	0.856
	FR1 n77_HPUE	100M	BPSK	162	108	Back Right	5mm	Ant 4	DSI 7	655008+659334	3825.12+3890.01	22.29	23.2	1.233	50	1.000	0.08	0.652	0.804
	FR1 n77	100M	BPSK	162	108	Back Top	5mm	Ant 6	DSI 7	655008+659334	3825.12+3890.01	18.51	19.4	1.227	100	1.000	0.04	0.798	0.979
	FR1 n77	100M	BPSK	162	108	Back Top	5mm	Ant 8	DSI 7	655008+659334	3825.12+3890.01	18.01	18.9	1.227	100	1.000	0.02	0.911	1.118
	FR1 n77_HPUE	100M	BPSK	162	108	Back Top	5mm	Ant 8	DSI 7	655008+659334	3825.12+3890.01	21.15	21.9	1.189	50	1.000	0.06	0.898	1.068

【WLAN 2.4GHz_5GHz SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	EUT Flip State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
69	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 7+11(7)	DSI 7	Close	11	2462	19.79	21.50	1.483	97.05	1.03	0.13	0.257	0.393
	WLAN2.4GHz	802.11b 1Mbps	Back Top	5mm	Ant 7+11(7)	DSI 7	Close	11	2462	19.79	21.50	1.483	97.05	1.03	-0.01	0.892	1.363
	WLAN2.4GHz	802.11b 1Mbps	Back Top	5mm	Ant 7+11(7)	DSI 7	Close	1	2412	19.83	21.50	1.469	97.05	1.03	-0.00	0.661	1.000
	WLAN2.4GHz	802.11b 1Mbps	Back Top	5mm	Ant 7+11(7)	DSI 7	Close	6	2437	19.72	21.50	1.507	97.05	1.03	-0.12	0.842	1.307
	WLAN2.4GHz	802.11b 1Mbps	Back Right	5mm	Ant 7+11(7)	DSI 7	Close	11	2462	19.79	21.50	1.483	97.05	1.03	0.14	0.286	0.437
	WLAN2.4GHz	802.11b 1Mbps	Back Left	5mm	Ant 7+11(7)	DSI 7	Close	11	2462	19.79	21.50	1.483	97.05	1.03	0.18	0.832	1.271
	WLAN2.4GHz	802.11b 1Mbps	Back Left	5mm	Ant 7+11(7)	DSI 7	Close	1	2412	19.83	21.50	1.469	97.05	1.03	0.06	0.801	1.212
	WLAN2.4GHz	802.11b 1Mbps	Back Left	5mm	Ant 7+11(7)	DSI 7	Close	6	2437	19.72	21.50	1.507	97.05	1.03	0.12	0.820	1.273
	WLAN2.4GHz	802.11b 1Mbps	Left Side	5mm	Ant 7+11(7)	DSI 7	Close	11	2462	19.79	21.50	1.483	97.05	1.03	-0.06	0.126	0.192
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 7+11(7)	DSI 7	Close	11	2462	19.79	21.50	1.483	97.05	1.03	0.19	0.168	0.257
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Ant 7+11(7)	DSI 7	Close	11	2462	19.79	21.50	1.483	97.05	1.03	-0.16	0.703	1.074
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Ant 7+11(7)	DSI 7	Close	1	2412	19.83	21.50	1.469	97.05	1.03	-0.03	0.802	1.213
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Ant 7+11(7)	DSI 7	Close	6	2437	19.72	21.50	1.507	97.05	1.03	0.08	0.738	1.146
	WLAN2.4GHz	802.11g 6Mbps	Back Top	5mm	Ant 7+11(7)	DSI 7	Close	6	2437	19.78	21.50	1.486	99.04	1.01	0.10	0.789	1.184
	WLAN2.4GHz	802.11g 6Mbps	Back Left	5mm	Ant 7+11(7)	DSI 7	Close	6	2437	19.78	21.50	1.486	99.04	1.01	0.06	0.732	1.099
	WLAN2.4GHz	802.11g 6Mbps	Top Side	5mm	Ant 7+11(7)	DSI 7	Close	6	2437	19.78	21.50	1.486	99.04	1.01	0.02	0.714	1.072
70	WLAN5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6+1(1)	DSI 7	Close	42	5210	15.01	16.60	1.442	100.0	1.0	0.03	0.095	0.137
	WLAN5GHz	802.11ac-VHT80 MCS0	Back Top	5mm	Ant 6+1(1)	DSI 7	Close	42	5210	15.01	16.60	1.442	100.0	1.0	0.03	0.304	0.438
	WLAN5GHz	802.11ac-VHT80 MCS0	Back Right	5mm	Ant 6+1(1)	DSI 7	Close	42	5210	15.01	16.60	1.442	100.0	1.0	-0.04	0.747	1.077
	WLAN5GHz	802.11ac-VHT80 MCS0	Back 1	5mm	Ant 6+1(1)	DSI 7	Close	42	5210	15.01	16.60	1.442	100.0	1.0	0.12	0.281	0.405
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 6+1(1)	DSI 7	Close	42	5210	15.01	16.60	1.442	100.0	1.0	0.19	0.354	0.510
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 6+1(1)	DSI 7	Close	42	5210	15.01	16.60	1.442	100.0	1.0	-0.09	0.245	0.353
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6+1(1)	DSI 7	Close	155	5775	17.83	19.50	1.469	100.0	1.0	-0.13	0.080	0.118
	WLAN5GHz	802.11ac-VHT80 MCS0	Back Top	5mm	Ant 6+1(1)	DSI 7	Close	155	5775	17.83	19.50	1.469	100.0	1.0	-0.06	0.673	0.989
	WLAN5GHz	802.11ac-VHT80 MCS0	Back Right	5mm	Ant 6+1(1)	DSI 7	Close	155	5775	17.83	19.50	1.469	100.0	1.0	-0.05	0.746	1.096
	WLAN5GHz	802.11ac-VHT80 MCS0	Back 1	5mm	Ant 6+1(1)	DSI 7	Close	155	5775	17.83	19.50	1.469	100.0	1.0	0.04	0.401	0.589
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 6+1(1)	DSI 7	Close	155	5775	17.83	19.50	1.469	100.0	1.0	-0.08	0.225	0.331
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 6+1(1)	DSI 7	Close	155	5775	17.83	19.50	1.469	100.0	1.0	0.11	0.610	0.896



【Bluetooth SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	EUT Flip State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	1Mbps	Front	5mm	Ant 7	Full Power	Close	39	2441	18.87	20.50	1.455	77.01	1.082	-0.13	0.034	0.054
	Bluetooth	1Mbps	Back Top	5mm	Ant 7	Full Power	Close	39	2441	18.87	20.50	1.455	77.01	1.082	-0.09	0.122	0.192
	Bluetooth	1Mbps	Back Right	5mm	Ant 7	Full Power	Close	39	2441	18.87	20.50	1.455	77.01	1.082	0.17	0.047	0.074
	Bluetooth	1Mbps	Right Side	5mm	Ant 7	Full Power	Close	39	2441	18.87	20.50	1.455	77.01	1.082	0.14	0.105	0.165
	Bluetooth	1Mbps	Top Side	5mm	Ant 7	Full Power	Close	39	2441	18.87	20.50	1.455	77.01	1.082	-0.04	0.121	0.190
	Bluetooth	1Mbps	Front	5mm	Ant 11	Full Power	Close	39	2441	19.41	21.00	1.442	76.66	1.087	0.10	0.014	0.022
72	Bluetooth	1Mbps	Back Left	5mm	Ant 11	Full Power	Close	39	2441	19.41	21.00	1.442	76.66	1.087	0.09	0.193	0.303
	Bluetooth	1Mbps	Left Side	5mm	Ant 11	Full Power	Close	39	2441	19.41	21.00	1.442	76.66	1.087	0.12	0.029	0.045
	Bluetooth	1Mbps	Top Side	5mm	Ant 11	Full Power	Close	39	2441	19.41	21.00	1.442	76.66	1.087	0.05	0.091	0.143

16.3 Body Worn Accessory SAR

<Flip Close>

【GSM SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Headset	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM850	GPRS 3 Tx slots	Front	5mm	Ant 0	DSI 3	189	836.4	-	28.84	30.00	1.306	0.07	0.288	0.376
73	GSM850	GPRS 3 Tx slots	Back	5mm	Ant 0	DSI 3	189	836.4	-	28.84	30.00	1.306	0.08	0.709	0.926
	GSM850	GPRS 3 Tx slots	Back	5mm	Ant 0	DSI 3	128	824.2	-	28.79	30.00	1.321	0.14	0.633	0.836
	GSM850	GPRS 3 Tx slots	Back	5mm	Ant 0	DSI 3	251	848.8	-	28.73	30.00	1.34	0.14	0.637	0.854
	GSM850	GPRS 4 Tx slots	Front	5mm	Ant 1	DSI 3	189	836.4	-	24.21	25.60	1.377	0.14	0.169	0.233
	GSM850	GPRS 4 Tx slots	Back Right	5mm	Ant 1	DSI 3	189	836.4	-	24.21	25.60	1.377	-0.08	0.605	0.833
	GSM850	GPRS 4 Tx slots	Back Right	5mm	Ant 1	DSI 3	128	824.2	-	24.17	25.60	1.39	-0.18	0.571	0.794
	GSM850	GPRS 4 Tx slots	Back Right	5mm	Ant 1	DSI 3	251	848.8	-	24.09	25.60	1.416	-0.12	0.565	0.800
	GSM850	GPRS 4 Tx slots	Back 1	5mm	Ant 1	DSI 3	189	836.4	-	24.21	25.60	1.377	-0.08	0.446	0.614
	GSM1900	GPRS 3 Tx slots	Front	5mm	Ant 3	DSI 3	661	1880	-	22.81	23.60	1.199	-0.12	0.258	0.309
74	GSM1900	GPRS 3 Tx slots	Back Top	5mm	Ant 3	DSI 3	661	1880	-	22.81	23.60	1.199	0.09	1.080	1.295
	GSM1900	GPRS 3 Tx slots	Back Top	5mm	Ant 3	DSI 3	512	1850.2	-	22.74	23.60	1.219	0.06	0.741	0.903
	GSM1900	GPRS 3 Tx slots	Back Top	5mm	Ant 3	DSI 3	810	1909.8	-	22.68	23.60	1.236	0.03	0.866	1.070
	GSM1900	GPRS 3 Tx slots	Front	9mm	Ant 3	DSI 4	661	1880	-	25.36	26.50	1.3	0.01	0.387	0.503
	GSM1900	GPRS 3 Tx slots	Back Top	13mm	Ant 3	DSI 4	661	1880	-	25.36	26.50	1.3	0.06	0.433	0.563
	GSM1900	GPRS 3 Tx slots	Back Top	5mm	Ant 3	DSI 3	661	1880	Headset	22.81	23.60	1.199	0.01	0.991	1.188
	GSM1900	GPRS 3 Tx slots	Front	5mm	Ant 4	DSI 3	661	1880	-	24.25	25.00	1.189	-0.18	0.145	0.172
	GSM1900	GPRS 3 Tx slots	Back Right	5mm	Ant 4	DSI 3	661	1880	-	24.25	25.00	1.189	0.09	0.499	0.593

【WCDMA SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Headset	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA II	RMC 12.2Kbps	Front	5mm	Ant 3	DSI 3	9400	1880	-	17.55	18.60	1.274	0.01	0.241	0.307
75	WCDMA II	RMC 12.2Kbps	Back Top	5mm	Ant 3	DSI 3	9400	1880	-	17.55	18.60	1.274	0.16	1.010	1.287
	WCDMA II	RMC 12.2Kbps	Back Top	5mm	Ant 3	DSI 3	9262	1852.4	-	17.51	18.60	1.285	-0.07	0.735	0.944
	WCDMA II	RMC 12.2Kbps	Back Top	5mm	Ant 3	DSI 3	9538	1907.6	-	17.53	18.60	1.279	-0.16	0.870	1.113
	WCDMA II	RMC 12.2Kbps	Front	9mm	Ant 3	DSI 4	9400	1880	-	23.76	24.00	1.057	0.01	0.703	0.743
	WCDMA II	RMC 12.2Kbps	Back Top	13mm	Ant 3	DSI 4	9400	1880	-	23.76	24.00	1.057	0.06	0.675	0.713
	WCDMA II	RMC 12.2Kbps	Back Top	5mm	Ant 3	DSI 3	9400	1880	Headset	17.55	18.60	1.274	0.02	0.986	1.256
	WCDMA II	RMC 12.2Kbps	Front	5mm	Ant 4	DSI 3	9400	1880	-	21.12	22.00	1.225	0.18	0.246	0.301
	WCDMA II	RMC 12.2Kbps	Back Right	5mm	Ant 4	DSI 3	9400	1880	-	21.12	22.00	1.225	-0.06	0.890	1.090
	WCDMA II	RMC 12.2Kbps	Back Right	5mm	Ant 4	DSI 3	9262	1852.4	-	21.08	22.00	1.236	0.03	1.040	1.285
	WCDMA II	RMC 12.2Kbps	Back Right	5mm	Ant 4	DSI 3	9538	1907.6	-	21.11	22.00	1.227	0.18	0.622	0.763
	WCDMA II	RMC 12.2Kbps	Front	9mm	Ant 4	DSI 4	9400	1880	-	22.74	24.00	1.337	0.03	0.423	0.566
	WCDMA II	RMC 12.2Kbps	Back Right	13mm	Ant 4	DSI 4	9400	1880	-	22.74	24.00	1.337	0.06	0.546	0.730
	WCDMA II	RMC 12.2Kbps	Back Right	5mm	Ant 4	DSI 3	9400	1880	Headset	21.12	22.00	1.225	0.04	0.933	1.143
	WCDMA IV	RMC 12.2Kbps	Front	5mm	Ant 3	DSI 3	1413	1732.6	-	19.09	19.80	1.178	-0.04	0.126	0.148
	WCDMA IV	RMC 12.2Kbps	Back Top	5mm	Ant 3	DSI 3	1413	1732.6	-	19.09	19.80	1.178	-0.09	0.943	1.111
	WCDMA IV	RMC 12.2Kbps	Back Top	5mm	Ant 3	DSI 3	1312	1712.4	-	18.98	19.80	1.208	-0.04	0.952	1.150
	WCDMA IV	RMC 12.2Kbps	Back Top	5mm	Ant 3	DSI 3	1513	1752.6	-	19.03	19.80	1.194	0.06	1.070	1.278
	WCDMA IV	RMC 12.2Kbps	Front	9mm	Ant 3	DSI 4	1413	1732.6	-	23.75	24.00	1.059	0.04	0.346	0.366
	WCDMA IV	RMC 12.2Kbps	Back Top	13mm	Ant 3	DSI 4	1413	1732.6	-	23.75	24.00	1.059	0.05	0.716	0.758
	WCDMA IV	RMC 12.2Kbps	Back Top	5mm	Ant 3	DSI 3	1413	1732.6	Headset	19.09	19.80	1.178	0.02	0.933	1.099
	WCDMA IV	RMC 12.2Kbps	Front	5mm	Ant 4	DSI 3	1413	1732.6	-	21.16	22.20	1.271	0.14	0.157	0.200
	WCDMA IV	RMC 12.2Kbps	Back Right	5mm	Ant 4	DSI 3	1413	1732.6	-	21.16	22.20	1.271	-0.04	0.813	1.033
	WCDMA IV	RMC 12.2Kbps	Back Right	5mm	Ant 4	DSI 3	1312	1712.4	-	21.11	22.20	1.285	0.09	0.834	1.072



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76	WCDMA IV	RMC 12.2Kbps	Back Right	5mm	Ant 4	DSI 3	1513	1752.6	-	21.13	22.20	1.279	0.02	1.010	1.292
	WCDMA IV	RMC 12.2Kbps	Front	9mm	Ant 4	DSI 4	1413	1732.6	-	22.76	24.00	1.33	0.02	0.228	0.303
	WCDMA IV	RMC 12.2Kbps	Back Right	13mm	Ant 4	DSI 4	1413	1732.6	-	22.76	24.00	1.33	0.08	0.442	0.588
	WCDMA IV	RMC 12.2Kbps	Back Right	5mm	Ant 4	DSI 3	1413	1732.6	Headset	21.16	22.20	1.271	0.01	0.803	1.021
	WCDMA V	RMC 12.2Kbps	Front	5mm	Ant 0	DSI 3	4182	836.4	-	23.49	24.00	1.125	0.17	0.378	0.425
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 3	4182	836.4	-	23.49	24.00	1.125	-0.08	1.000	1.125
77	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 3	4132	826.4	-	23.33	24.00	1.167	0.02	1.070	1.249
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 3	4233	846.6	-	23.35	24.00	1.161	-0.10	1.020	1.184
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 3	4182	836.4	Headset	23.49	24.00	1.125	-0.02	0.979	1.101
	WCDMA V Sample2	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 3	4132	826.4	-	23.33	24	1.167	-0.09	0.973	1.135
	WCDMA V	RMC 12.2Kbps	Front	5mm	Ant 1	DSI 3	4182	836.4	-	20.21	21.50	1.346	-0.07	0.245	0.330
	WCDMA V	RMC 12.2Kbps	Back Right	5mm	Ant 1	DSI 3	4182	836.4	-	20.21	21.50	1.346	0.03	0.860	1.158
	WCDMA V	RMC 12.2Kbps	Back Right	5mm	Ant 1	DSI 3	4132	826.4	-	20.17	21.50	1.358	-0.07	0.833	1.131
	WCDMA V	RMC 12.2Kbps	Back Right	5mm	Ant 1	DSI 3	4233	846.6	-	20.10	21.50	1.38	-0.06	0.849	1.172
	WCDMA V	RMC 12.2Kbps	Back 1	5mm	Ant 1	DSI 3	4182	836.4	-	20.21	21.50	1.346	-0.13	0.431	0.580

【LTE SAR】

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Headset	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 7	20M	QPSK	1	0	Front	5mm	Ant 3	DSI 3	21100	2535	-	16.41	17.10	1.172			-0.02	0.438	0.513
	LTE Band 7	20M	QPSK	50	0	Front	5mm	Ant 3	DSI 3	21100	2535	-	16.35	17.10	1.189			-0.13	0.353	0.420
	LTE Band 7	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 3	21100	2535	-	16.41	17.10	1.172			-0.00	1.070	1.254
	LTE Band 7	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 3	20850	2510	-	16.35	17.10	1.189			0.06	0.976	1.160
	LTE Band 7	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 3	21350	2560	-	16.38	17.10	1.18			0.01	1.080	1.274
	LTE Band 7	20M	QPSK	50	0	Back Top	5mm	Ant 3	DSI 3	21100	2535	-	16.35	17.10	1.189			-0.08	0.796	0.946
	LTE Band 7	20M	QPSK	50	0	Back Top	5mm	Ant 3	DSI 3	20850	2510	-	16.31	17.10	1.199			-0.01	0.730	0.875
	LTE Band 7	20M	QPSK	50	0	Back Top	5mm	Ant 3	DSI 3	21350	2560	-	16.28	17.10	1.208			-0.13	0.815	0.985
	LTE Band 7	20M	QPSK	100	0	Back Top	5mm	Ant 3	DSI 3	21100	2535	-	16.33	17.10	1.194			0.15	0.848	1.013
	LTE Band 7	20M	QPSK	1	0	Front	9mm	Ant 3	DSI 4	21100	2535	-	23.35	24.00	1.161			0.03	0.522	0.606
	LTE Band 7	20M	QPSK	50	0	Front	9mm	Ant 3	DSI 4	21100	2535	-	22.36	23.00	1.159			0.02	0.571	0.662
	LTE Band 7	20M	QPSK	1	0	Back Top	13mm	Ant 3	DSI 4	21100	2535	-	23.35	24.00	1.161			0.01	0.647	0.751
	LTE Band 7	20M	QPSK	50	0	Back Top	13mm	Ant 3	DSI 4	21100	2535	-	22.36	23.00	1.159			0.03	0.606	0.702
	LTE Band 7	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 3	21100	2535	Headset	16.41	17.10	1.172			0.10	0.902	1.057
	LTE Band 7	20M	QPSK	1	0	Front	5mm	Ant 2	DSI 3	21100	2535	-	20.83	21.90	1.279			-0.04	0.246	0.315
	LTE Band 7	20M	QPSK	50	0	Front	5mm	Ant 2	DSI 3	21100	2535	-	20.75	21.90	1.303			0.18	0.199	0.259
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	21100	2535	-	20.83	21.90	1.279			0.09	0.996	1.274
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	20850	2510	-	20.79	21.90	1.291			-0.10	0.972	1.255
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	21350	2560	-	20.81	21.90	1.285			-0.07	0.988	1.270
	LTE Band 7	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 3	21100	2535	-	20.75	21.90	1.303			0.08	0.779	1.015
	LTE Band 7	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 3	20850	2510	-	20.70	21.90	1.318			0.11	0.803	1.058
	LTE Band 7	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 3	21350	2560	-	20.73	21.90	1.309			0.15	0.791	1.035
	LTE Band 7	20M	QPSK	100	0	Back	5mm	Ant 2	DSI 3	21100	2535	-	20.71	21.90	1.315			0.15	0.779	1.024
	LTE Band 7	20M	QPSK	1	0	Front	9mm	Ant 2	DSI 4	21100	2535	-	23.18	24.00	1.208			0.06	0.305	0.368
	LTE Band 7	20M	QPSK	50	0	Front	9mm	Ant 2	DSI 4	21100	2535	-	22.20	23.00	1.202			0.02	0.288	0.346
	LTE Band 7	20M	QPSK	1	0	Back	13mm	Ant 2	DSI 4	21100	2535	-	23.18	24.00	1.208			0.03	0.614	0.742
	LTE Band 7	20M	QPSK	50	0	Back	13mm	Ant 2	DSI 4	21100	2535	-	22.20	23.00	1.202			0.08	0.334	0.401
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	21100	2535	Headset	20.83	21.90	1.279			-0.05	0.935	1.196
	LTE Band 7	20M	QPSK	1	0	Front	5mm	Ant 4	DSI 3	21100	2535	-	21.08	22.20	1.294			0.11	0.120	0.155
	LTE Band 7	20M	QPSK	50	0	Front	5mm	Ant 4	DSI 3	21100	2535	-	20.98	22.00	1.265			0.03	0.096	0.121
78	LTE Band 7	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	21100	2535	-	21.08	22.20	1.294			-0.02	0.997	1.290
	LTE Band 7	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	20850	2510	-	21.05	22.20	1.303			0.16	0.897	1.169
	LTE Band 7	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	21350	2560	-	21.06	22.20	1.3			0.10	0.920	1.196
	LTE Band 7	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 3	21100	2535	-	20.98	22.00	1.265			0.11	0.885	1.120
	LTE Band 7	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 3	20850	2510	-	20.92	22.00	1.282			-0.02	0.879	1.127
	LTE Band 7	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 3	21350	2560	-	20.96	22.00	1.271			0.04	0.808	1.027
	LTE Band 7	20M	QPSK	100	0	Back Right	5mm	Ant 4	DSI 3	21100	2535	-	20.94	22.00	1.276			-0.13	0.749	0.956
	LTE Band 7	20M	QPSK	1	0	Front	9mm	Ant 4	DSI 4	21100	2535	-	21.95	23.00	1.274			0.06	0.103	0.131
	LTE Band 7	20M	QPSK	50	0	Front	9mm	Ant 4	DSI 4	21100	2535	-	20.98	22.00	1.265			0.09	0.094	0.119
	LTE Band 7	20M	QPSK	1	0	Back Right	13mm	Ant 4	DSI 4	21100	2535	-	21.95	23.00	1.274			0.02	0.344	0.438
	LTE Band 7	20M	QPSK	50	0	Back Right	13mm	Ant 4	DSI 4	21100	2535	-	20.98	22.00	1.265			0.08	0.276	0.349
	LTE Band 7	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	21100	2535	Headset	21.08	22.20	1.294			0.03	0.968	1.253
	LTE Band 7	20M	QPSK	1	0	Front	5mm	Ant 0	DSI 3	21100	2535	-	22.85	24.00	1.303			-0.07	0.852	1.110
	LTE Band 7	20M	QPSK	1	0	Front	5mm	Ant 0	DSI 3	20850	2510	-	22.64	24.00	1.368			-0.15	0.844	1.155
	LTE Band 7	20M	QPSK	1	0	Front	5mm	Ant 0	DSI 3	21350	2560	-	22.80	24.00	1.318			0.15	0.827	1.090
	LTE Band 7	20M	QPSK	50	0	Front	5mm	Ant 0	DSI 3	21100	2535	-	21.83	23.00	1.309			-0.01	0.691	0.905
	LTE Band 7	20M	QPSK	50	0	Front	5mm	Ant 0	DSI 3	20850	2510	-	21.81	23.00	1.315			0.12	0.673	0.885
	LTE Band 7	20M	QPSK	50	0	Front	5mm	Ant 0	DSI 3	21350	2560	-	21.77	23.00	1.327			0.03	0.678	0.900
	LTE Band 7	20M	QPSK	100	0	Front	5mm	Ant 0	DSI 3	21100	2535	-	21.76	23.00	1.33			0.11	0.693	0.922
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	21100	2535	-	22.85	24.00	1.303			0.01	0.914	1.191



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	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	20850	2510	-	22.64	24.00	1.368			-0.01	0.771	1.055
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	21350	2560	-	22.80	24.00	1.318			0.17	0.721	0.950
	LTE Band 7	20M	QPSK	50	0	Back	5mm	Ant 0	DSI 3	21100	2535	-	21.83	23.00	1.309			-0.01	0.723	0.946
	LTE Band 7	20M	QPSK	50	0	Back	5mm	Ant 0	DSI 3	20850	2510	-	21.81	23.00	1.315			0.18	0.622	0.818
	LTE Band 7	20M	QPSK	50	0	Back	5mm	Ant 0	DSI 3	21350	2560	-	21.77	23.00	1.327			-0.05	0.593	0.787
	LTE Band 7	20M	QPSK	100	0	Back	5mm	Ant 0	DSI 3	21100	2535	-	21.76	23.00	1.33			-0.17	0.729	0.970
	LTE Band 12	10M	QPSK	1	0	Front	5mm	Ant 0	DSI 3	23095	707.5	-	23.04	24.00	1.247			0.13	0.305	0.380
	LTE Band 12	10M	QPSK	25	0	Front	5mm	Ant 0	DSI 3	23095	707.5	-	22.06	23.00	1.242			0.10	0.238	0.296
	LTE Band 12	10M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	23095	707.5	-	23.04	24.00	1.247			0.08	0.759	0.946
	LTE Band 12	10M	QPSK	25	0	Back	5mm	Ant 0	DSI 3	23095	707.5	-	22.06	23.00	1.242			0.09	0.598	0.743
	LTE Band 12	10M	QPSK	50	0	Back	5mm	Ant 0	DSI 3	23095	707.5	-	21.96	23.00	1.271			0.01	0.594	0.755
	LTE Band 12	10M	QPSK	1	0	Front	5mm	Ant 1	DSI 3	23095	707.5	-	20.15	21.70	1.429			-0.09	0.247	0.353
	LTE Band 12	10M	QPSK	25	0	Front	5mm	Ant 1	DSI 3	23095	707.5	-	20.13	21.70	1.435			-0.11	0.223	0.320
79	LTE Band 12	10M	QPSK	1	0	Back Right	5mm	Ant 1	DSI 3	23095	707.5	-	20.15	21.70	1.429			0.03	0.998	1.426
	LTE Band 12	10M	QPSK	25	0	Back Right	5mm	Ant 1	DSI 3	23095	707.5	-	20.13	21.70	1.435			0.01	0.820	1.177
	LTE Band 12	10M	QPSK	50	0	Back Right	5mm	Ant 1	DSI 3	23095	707.5	-	20.07	21.70	1.455			-0.14	0.824	1.199
	LTE Band 12	10M	QPSK	1	0	Back 1	5mm	Ant 1	DSI 3	23095	707.5	-	20.15	21.70	1.429			0.16	0.773	1.105
	LTE Band 12	10M	QPSK	25	0	Back 1	5mm	Ant 1	DSI 3	23095	707.5	-	20.13	21.70	1.435			-0.01	0.652	0.936
	LTE Band 12	10M	QPSK	50	0	Back 1	5mm	Ant 1	DSI 3	23095	707.5	-	20.07	21.70	1.455			-0.03	0.662	0.963
	LTE Band 12	10M	QPSK	1	0	Back Right	5mm	Ant 1	DSI 3	23095	707.5	Headset	20.15	21.70	1.429			-0.09	0.921	1.316
	LTE Band 13	10M	QPSK	1	0	Front	5mm	Ant 0	DSI 3	23230	782	-	23.27	24.00	1.183			0.16	0.231	0.273
	LTE Band 13	10M	QPSK	25	0	Front	5mm	Ant 0	DSI 3	23230	782	-	22.27	23.00	1.183			0.02	0.286	0.338
	LTE Band 13	10M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	23230	782	-	23.27	24.00	1.183			-0.01	0.641	0.758
	LTE Band 13	10M	QPSK	25	0	Back	5mm	Ant 0	DSI 3	23230	782	-	22.27	23.00	1.183			-0.04	0.681	0.806
	LTE Band 13	10M	QPSK	50	0	Back	5mm	Ant 0	DSI 3	23230	782	-	22.24	23.00	1.191			0.17	0.663	0.790
	LTE Band 13	10M	QPSK	1	0	Front	5mm	Ant 1	DSI 3	23230	782	-	20.18	21.40	1.324			-0.02	0.244	0.323
	LTE Band 13	10M	QPSK	25	0	Front	5mm	Ant 1	DSI 3	23230	782	-	20.13	21.40	1.34			0.11	0.194	0.260
80	LTE Band 13	10M	QPSK	1	0	Back Right	5mm	Ant 1	DSI 3	23230	782	-	20.18	21.40	1.324			0.07	0.971	1.286
	LTE Band 13	10M	QPSK	25	0	Back Right	5mm	Ant 1	DSI 3	23230	782	-	20.13	21.40	1.34			-0.01	0.823	1.103
	LTE Band 13	10M	QPSK	50	0	Back Right	5mm	Ant 1	DSI 3	23230	782	-	20.05	21.40	1.365			-0.09	0.833	1.137
	LTE Band 13	10M	QPSK	1	0	Back 1	5mm	Ant 1	DSI 3	23230	782	-	20.18	21.40	1.324			0.04	0.584	0.773
	LTE Band 13	10M	QPSK	25	0	Back 1	5mm	Ant 1	DSI 3	23230	782	-	20.13	21.40	1.34			0.05	0.495	0.663
	LTE Band 13	10M	QPSK	1	0	Back Right	5mm	Ant 1	DSI 3	23230	782	Headset	20.18	21.40	1.324			0.03	0.913	1.209
	LTE Band 14	10M	QPSK	1	0	Front	5mm	Ant 0	DSI 3	23330	793	-	23.29	24.00	1.178			-0.15	0.359	0.423
	LTE Band 14	10M	QPSK	25	0	Front	5mm	Ant 0	DSI 3	23330	793	-	22.30	23.00	1.175			0.13	0.284	0.334
	LTE Band 14	10M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	23330	793	-	23.29	24.00	1.178			0.01	0.877	1.033
	LTE Band 14	10M	QPSK	25	0	Back	5mm	Ant 0	DSI 3	23330	793	-	22.30	23.00	1.175			-0.14	0.686	0.806
	LTE Band 14	10M	QPSK	50	0	Back	5mm	Ant 0	DSI 3	23330	793	-	22.24	23.00	1.191			0.08	0.676	0.805
	LTE Band 14	10M	QPSK	1	0	Front	5mm	Ant 1	DSI 3	23330	793	-	20.63	21.60	1.25			-0.10	0.313	0.391
	LTE Band 14	10M	QPSK	25	0	Front	5mm	Ant 1	DSI 3	23330	793	-	20.61	21.60	1.256			0.18	0.245	0.308
81	LTE Band 14	10M	QPSK	1	0	Back Right	5mm	Ant 1	DSI 3	23330	793	-	20.63	21.60	1.25			0.08	1.040	1.300
	LTE Band 14	10M	QPSK	25	0	Back Right	5mm	Ant 1	DSI 3	23330	793	-	20.61	21.60	1.256			-0.17	0.904	1.135
	LTE Band 14	10M	QPSK	50	0	Back Right	5mm	Ant 1	DSI 3	23330	793	-	20.54	21.60	1.276			0.03	0.886	1.131
	LTE Band 14	10M	QPSK	1	0	Back 1	5mm	Ant 1	DSI 3	23330	793	-	20.63	21.60	1.25			0.01	0.885	1.106
	LTE Band 14	10M	QPSK	25	0	Back 1	5mm	Ant 1	DSI 3	23330	793	-	20.61	21.60	1.256			-0.03	0.709	0.891
	LTE Band 14	10M	QPSK	50	0	Back 1	5mm	Ant 1	DSI 3	23330	793	-	20.54	21.60	1.276			0.01	0.677	0.864
	LTE Band 14	10M	QPSK	1	0	Back Right	5mm	Ant 1	DSI 3	23330	793	Headset	20.63	21.60	1.25			0.07	0.987	1.234
	LTE Band 25	20M	QPSK	1	0	Front	5mm	Ant 3	DSI 3	26340	1880	-	17.99	19.10	1.291			0.06	0.246	0.318
	LTE Band 25	20M	QPSK	50	0	Front	5mm	Ant 3	DSI 3	26340	1880	-	17.95	19.10	1.303			-0.13	0.195	0.254
82	LTE Band 25	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 3	26340	1880	-	17.99	19.10	1.291			0.04	0.999	1.290
	LTE Band 25	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 3	26140	1860	-	17.95	19.10	1.303			-0.15	0.819	1.067
	LTE Band 25	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 3	26590	1905	-	17.91	19.10	1.315			-0.01	0.919	1.208
	LTE Band 25	20M	QPSK	50	0	Back Top	5mm	Ant 3	DSI 3	26340	1880	-	17.95	19.10	1.303			-0.04	0.643	0.838
	LTE Band 25	20M	QPSK	50	0	Back Top	5mm	Ant 3	DSI 3	26140	1860	-	17.91	19.10	1.315			0.06	0.571	0.751
	LTE Band 25	20M	QPSK	50	0	Back Top	5mm	Ant 3	DSI 3	26590	1905	-	17.83	19.10	1.34			0.00	0.664	0.890
	LTE Band 25	20M	QPSK	100	0	Back Top	5mm	Ant 3	DSI 3	26340	1880	-	17.89	19.10	1.321			0.14	0.788	1.041
	LTE Band 25	20M	QPSK	1	0	Front	9mm	Ant 3	DSI 4	26340	1880	-	23.36	24.00	1.159			0.01	0.670	0.777
	LTE Band 25	20M	QPSK	50	0	Front	9mm	Ant 3	DSI 4	26340	1880	-	22.33	23.00	1.167			0.06	0.644	0.752
	LTE Band 25	20M	QPSK	1	0	Back Top	13mm	Ant 3	DSI 4	26340	1880	-	23.36	24.00	1.159			0.02	0.701	0.812
	LTE Band 25	20M	QPSK	1	0	Back Top	13mm	Ant 3	DSI 4	26140	1860	-	23.04	24.00	1.247			0.06	0.613	0.764
	LTE Band 25	20M	QPSK	1	0	Back Top	13mm	Ant 3	DSI 4	26590	1905	-	23.23	24.00	1.194			0.05	0.662	0.790
	LTE Band 25	20M	QPSK	50	0	Back Top	13mm	Ant 3	DSI 4	26340	1880	-	22.33	23.00	1.167			0.09	0.698	0.815
	LTE Band 25	20M	QPSK	50	0	Back Top	13mm	Ant 3	DSI 4	26140	1860	-	22.00	23.00	1.259			0.04	0.624	0.786
	LTE Band 25	20M	QPSK	50	0	Back Top	13mm	Ant 3	DSI 4	26590	1905	-	22.19	23.00	1.205			0.09	0.621	0.748
	LTE Band 25	20M	QPSK	100	0	Back Top	13mm	Ant 3	DSI 4	26340	1880	-	22.08	23.00	1.236			0.14	0.615	0.760
	LTE Band 25	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 3	26340	1880	Headset	17.99	19.10	1.291			-0.10	0.964	1.245
	LTE Band 25	20M	QPSK	1	0	Front	5mm	Ant 2	DSI 3	26340	1880	-	19.87	20.80	1.239			0.07	0.205	0.254
	LTE Band 25	20M	QPSK	50	0	Front	5mm	Ant 2	DSI 3	26340	1880	-	19.78	20.80	1.265			-0.06	0.169	0.214
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	26340	1880	-	19.87	20.80	1.239			-0.17	0.982	1.217
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	26140	1860	-	19.85	20.80	1.245			0.03	1.020	1.270
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	26590	1905	-	19.84	20.80	1.247			-0.04	0.825	1.029
	LTE Band 25	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 3	26340	1880	-	19.78	20.80	1.265			-0.05	0.804	1.017
	LTE Band 25	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 3	26140	1860	-	19.72	20.80	1.282		</			



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	LTE Band 25	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 3	26590	1905	-	19.75	20.80	1.274			0.11	0.815	1.038
	LTE Band 25	20M	QPSK	100	0	Back	5mm	Ant 2	DSI 3	26340	1880	-	19.64	20.80	1.306			0.11	0.797	1.041
	LTE Band 25	20M	QPSK	1	0	Front	9mm	Ant 2	DSI 4	26340	1880	-	22.84	24.00	1.306			0.06	0.383	0.500
	LTE Band 25	20M	QPSK	50	0	Front	9mm	Ant 2	DSI 4	26340	1880	-	21.86	23.00	1.3			0.03	0.332	0.432
	LTE Band 25	20M	QPSK	1	0	Back	13mm	Ant 2	DSI 4	26340	1880	-	22.84	24.00	1.306			0.09	0.552	0.721
	LTE Band 25	20M	QPSK	50	0	Back	13mm	Ant 2	DSI 4	26340	1880	-	21.86	23.00	1.3			0.02	0.509	0.662
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	26340	1880	Headset	19.87	20.80	1.239			0.05	0.955	1.183
	LTE Band 25	20M	QPSK	1	0	Front	5mm	Ant 4	DSI 3	26340	1880	-	21.67	22.60	1.239			0.08	0.316	0.392
	LTE Band 25	20M	QPSK	50	0	Front	5mm	Ant 4	DSI 3	26340	1880	-	20.68	21.60	1.236			-0.07	0.266	0.329
	LTE Band 25	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	26340	1880	-	21.67	22.60	1.239			0.05	1.030	1.276
	LTE Band 25	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	26140	1860	-	21.65	22.60	1.245			-0.17	0.998	1.243
	LTE Band 25	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	26590	1905	-	21.62	22.60	1.253			-0.07	0.803	1.006
	LTE Band 25	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 3	26340	1880	-	20.68	21.60	1.236			-0.11	0.845	1.044
	LTE Band 25	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 3	26140	1860	-	20.60	21.60	1.259			-0.16	0.829	1.044
	LTE Band 25	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 3	26590	1905	-	20.63	21.60	1.25			0.19	0.712	0.890
	LTE Band 25	20M	QPSK	100	0	Back Right	5mm	Ant 4	DSI 3	26340	1880	-	20.65	21.60	1.245			-0.07	0.909	1.132
	LTE Band 25	20M	QPSK	1	0	Front	9mm	Ant 4	DSI 4	26340	1880	-	21.67	23.00	1.358			0.04	0.316	0.429
	LTE Band 25	20M	QPSK	50	0	Front	9mm	Ant 4	DSI 4	26340	1880	-	20.68	22.00	1.355			0.08	0.293	0.397
	LTE Band 25	20M	QPSK	1	0	Back Right	13mm	Ant 4	DSI 4	26340	1880	-	21.67	23.00	1.358			0.02	0.424	0.576
	LTE Band 25	20M	QPSK	50	0	Back Right	13mm	Ant 4	DSI 4	26340	1880	-	20.68	22.00	1.355			0.01	0.427	0.579
	LTE Band 25	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	26340	1880	Headset	21.67	22.60	1.239			-0.02	0.963	1.193
	LTE Band 25	20M	QPSK	1	0	Front	5mm	Ant 0	DSI 3	26340	1880	-	22.01	22.70	1.172			-0.04	0.254	0.298
	LTE Band 25	20M	QPSK	50	0	Front	5mm	Ant 0	DSI 3	26340	1880	-	21.05	21.70	1.161			-0.17	0.200	0.232
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	26340	1880	-	22.01	22.70	1.172			0.13	1.070	1.254
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	26140	1860	-	21.95	22.70	1.189			0.07	1.080	1.284
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	26590	1905	-	21.97	22.70	1.183			0.11	1.020	1.207
	LTE Band 25	20M	QPSK	50	0	Back	5mm	Ant 0	DSI 3	26340	1880	-	21.05	21.70	1.161			-0.02	0.879	1.021
	LTE Band 25	20M	QPSK	50	0	Back	5mm	Ant 0	DSI 3	26140	1860	-	21.01	21.70	1.172			0.03	0.900	1.055
	LTE Band 25	20M	QPSK	50	0	Back	5mm	Ant 0	DSI 3	26590	1905	-	20.96	21.70	1.186			0.09	0.843	1.000
	LTE Band 25	20M	QPSK	100	0	Back	5mm	Ant 0	DSI 3	26340	1880	-	20.97	21.70	1.183			0.03	0.861	1.019
	LTE Band 25	20M	QPSK	1	0	Front	9mm	Ant 0	DSI 4	26340	1880	-	22.01	23.00	1.256			0.04	0.181	0.227
	LTE Band 25	20M	QPSK	50	0	Front	9mm	Ant 0	DSI 4	26340	1880	-	21.05	22.00	1.245			0.02	0.149	0.186
	LTE Band 25	20M	QPSK	1	0	Back	13mm	Ant 0	DSI 4	26340	1880	-	22.01	23.00	1.256			0.09	0.430	0.540
	LTE Band 25	20M	QPSK	50	0	Back	13mm	Ant 0	DSI 4	26340	1880	-	21.05	22.00	1.245			0.06	0.344	0.428
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	26340	1880	Headset	22.01	22.70	1.172			0.03	0.985	1.154
	LTE Band 26	15M	QPSK	1	0	Front	5mm	Ant 0	DSI 3	26865	831.5	-	22.93	24.00	1.279			0.01	0.395	0.505
	LTE Band 26	15M	QPSK	36	0	Front	5mm	Ant 0	DSI 3	26865	831.5	-	21.93	23.00	1.279			-0.17	0.307	0.393
	LTE Band 26	15M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	26865	831.5	-	22.93	24.00	1.279			0.04	0.973	1.244
	LTE Band 26	15M	QPSK	36	0	Back	5mm	Ant 0	DSI 3	26865	831.5	-	21.93	23.00	1.279			-0.07	0.755	0.966
	LTE Band 26	15M	QPSK	75	0	Back	5mm	Ant 0	DSI 3	26865	831.5	-	21.89	23.00	1.291			-0.06	0.741	0.957
	LTE Band 26	15M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	26865	831.5	Headset	22.93	24.00	1.279			-0.11	0.925	1.183
	LTE Band 26	15M	QPSK	1	0	Front	5mm	Ant 1	DSI 3	26865	831.5	-	20.03	21.40	1.371			0.05	0.321	0.440
	LTE Band 26	15M	QPSK	36	0	Front	5mm	Ant 1	DSI 3	26865	831.5	-	19.95	21.40	1.396			0.11	0.269	0.376
83	LTE Band 26	15M	QPSK	1	0	Back Right	5mm	Ant 1	DSI 3	26865	831.5	-	20.03	21.40	1.371			0.06	1.020	1.398
	LTE Band 26	15M	QPSK	36	0	Back Right	5mm	Ant 1	DSI 3	26865	831.5	-	19.95	21.40	1.396			-0.12	0.851	1.188
	LTE Band 26	15M	QPSK	75	0	Back Right	5mm	Ant 1	DSI 3	26865	831.5	-	19.93	21.40	1.403			-0.06	0.847	1.188
	LTE Band 26	15M	QPSK	1	0	Back 1	5mm	Ant 1	DSI 3	26865	831.5	-	20.03	21.40	1.371			-0.01	0.832	1.141
	LTE Band 26	15M	QPSK	36	0	Back 1	5mm	Ant 1	DSI 3	26865	831.5	-	19.95	21.40	1.396			0.08	0.683	0.953
	LTE Band 26	15M	QPSK	75	0	Back 1	5mm	Ant 1	DSI 3	26865	831.5	-	19.93	21.40	1.403			-0.07	0.728	1.021
	LTE Band 26	15M	QPSK	1	0	Back Right	5mm	Ant 1	DSI 3	26865	831.5	Headset	20.03	21.40	1.371			0.09	0.953	1.307
	LTE Band 30	10M	QPSK	1	0	Front	5mm	Ant 3	DSI 3	27710	2310	-	19.96	20.60	1.159			0.13	0.466	0.540
	LTE Band 30	10M	QPSK	25	0	Front	5mm	Ant 3	DSI 3	27710	2310	-	19.72	20.60	1.225			-0.10	0.345	0.423
	LTE Band 30	10M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 3	27710	2310	-	19.96	20.60	1.159			0.18	1.100	1.275
	LTE Band 30	10M	QPSK	25	0	Back Top	5mm	Ant 3	DSI 3	27710	2310	-	19.72	20.60	1.225			0.04	0.922	1.129
	LTE Band 30	10M	QPSK	50	0	Back Top	5mm	Ant 3	DSI 3	27710	2310	-	19.77	20.60	1.211			0.18	0.922	1.117
	LTE Band 30	10M	QPSK	1	0	Front	9mm	Ant 3	DSI 4	27710	2310	-	23.53	24.00	1.114			0.06	0.422	0.470
	LTE Band 30	10M	QPSK	25	0	Front	9mm	Ant 3	DSI 4	27710	2310	-	22.44	23.00	1.138			0.02	0.411	0.468
	LTE Band 30	10M	QPSK	1	0	Back Top	13mm	Ant 3	DSI 4	27710	2310	-	23.53	24.00	1.114			0.09	0.704	0.784
	LTE Band 30	10M	QPSK	25	0	Back Top	13mm	Ant 3	DSI 4	27710	2310	-	22.44	23.00	1.138			0.04	0.692	0.787
	LTE Band 30	10M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 3	27710	2310	Headset	19.96	20.60	1.159			0.01	0.952	1.103
	LTE Band 30	10M	QPSK	1	0	Front	5mm	Ant 2	DSI 3	27710	2310	-	21.42	22.30	1.225			-0.05	0.221	0.271
	LTE Band 30	10M	QPSK	25	0	Front	5mm	Ant 2	DSI 3	27710	2310	-	21.30	22.30	1.259			-0.11	0.172	0.217
	LTE Band 30	10M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	27710	2310	-	21.42	22.30	1.225			0.09	1.040	1.274
	LTE Band 30	10M	QPSK	25	0	Back	5mm	Ant 2	DSI 3	27710	2310	-	21.30	22.30	1.259			0.16	0.822	1.035
	LTE Band 30	10M	QPSK	50	0	Back	5mm	Ant 2	DSI 3	27710	2310	-	21.26	22.30	1.271			-0.12	0.808	1.027
	LTE Band 30	10M	QPSK	1	0	Front	9mm	Ant 2	DSI 4	27710	2310	-	23.17	24.00	1.211			0.06	0.323	0.391
	LTE Band 30	10M	QPSK	25	0	Front	9mm	Ant 2	DSI 4	27710	2310	-	22.19	23.00	1.205			0.08	0.248	0.299
	LTE Band 30	10M	QPSK	1	0	Back	13mm	Ant 2	DSI 4	27710	2310	-	23.17	24.00	1.211			0.02	0.603	0.730
	LTE Band 30	10M	QPSK	25	0	Back	13mm	Ant 2	DSI 4	27710	2310	-	22.19	23.00	1.205			0.01	0.503	0.606
	LTE Band 30	10M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	27710	2310	Headset	21.42	22.30	1.225			0.03	0.902	1.105
	LTE Band 30	10M	QPSK	1	0	Front	5mm	Ant 4	DSI 3	27710	2310	-	21.80	22.90	1.288			-0.02	0.129	0.166
	LTE Band 30	10M	QPSK	25	0	Front	5mm	Ant 4	DSI 3	27710	2310	-	20.88	21.90	1.265			-0.02	0.098	0.124
84	LTE Band 30	10M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	27710	2310	-	21.80	22						



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	LTE Band 30	10M	QPSK	25	0	Back Right	5mm	Ant 4	DSI 3	27710	2310	-	20.88	21.90	1.265			-0.02	0.810	1.025
	LTE Band 30	10M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 3	27710	2310	-	20.84	21.90	1.276			-0.16	0.819	1.045
	LTE Band 30	10M	QPSK	1	0	Front	9mm	Ant 4	DSI 4	27710	2310	-	21.80	23.00	1.318			0.02	0.077	1.010
	LTE Band 30	10M	QPSK	25	0	Front	9mm	Ant 4	DSI 4	27710	2310	-	20.88	22.00	1.294			0.01	0.065	0.084
	LTE Band 30	10M	QPSK	1	0	Back Right	13mm	Ant 4	DSI 4	27710	2310	-	21.80	23.00	1.318			0.05	0.249	0.328
	LTE Band 30	10M	QPSK	25	0	Back Right	13mm	Ant 4	DSI 4	27710	2310	-	20.88	22.00	1.294			0.08	0.191	0.247
	LTE Band 30	10M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	27710	2310	Headset	21.80	22.90	1.288			-0.01	0.985	1.269
	LTE Band 30	10M	QPSK	1	0	Front	5mm	Ant 0	DSI 3	27710	2310	-	22.65	23.50	1.216			-0.08	0.513	0.624
	LTE Band 30	10M	QPSK	25	0	Front	5mm	Ant 0	DSI 3	27710	2310	-	21.67	22.50	1.211			0.19	0.405	0.490
	LTE Band 30	10M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	27710	2310	-	22.65	23.50	1.216			0.05	1.050	1.277
	LTE Band 30	10M	QPSK	25	0	Back	5mm	Ant 0	DSI 3	27710	2310	-	21.67	22.50	1.211			0.02	0.833	1.009
	LTE Band 30	10M	QPSK	50	0	Back	5mm	Ant 0	DSI 3	27710	2310	-	21.62	22.50	1.225			-0.02	0.830	1.017
	LTE Band 30	10M	QPSK	1	0	Front	9mm	Ant 0	DSI 4	27710	2310	-	22.65	24.00	1.365			0.02	0.346	0.472
	LTE Band 30	10M	QPSK	25	0	Front	9mm	Ant 0	DSI 4	27710	2310	-	21.67	23.00	1.358			0.09	0.274	0.372
	LTE Band 30	10M	QPSK	1	0	Back	13mm	Ant 0	DSI 4	27710	2310	-	22.65	24.00	1.365			0.04	0.227	0.310
	LTE Band 30	10M	QPSK	25	0	Back	13mm	Ant 0	DSI 4	27710	2310	-	21.67	23.00	1.358			0.01	0.189	0.257
	LTE Band 30	10M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	27710	2310	Headset	22.65	23.50	1.216			-0.02	1.010	1.228
	LTE Band 66	20M	QPSK	1	0	Front	5mm	Ant 3	DSI 3	132322	1745	-	18.43	19.50	1.279			-0.07	0.091	0.116
	LTE Band 66	20M	QPSK	50	0	Front	5mm	Ant 3	DSI 3	132322	1745	-	18.24	19.50	1.337			-0.06	0.072	0.096
	LTE Band 66	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 3	132322	1745	-	18.43	19.50	1.279			0.17	0.966	1.236
	LTE Band 66	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 3	132072	1720	-	18.41	19.50	1.285			0.01	0.948	1.218
	LTE Band 66	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 3	132572	1770	-	18.39	19.50	1.291			-0.07	0.996	1.286
	LTE Band 66	20M	QPSK	50	0	Back Top	5mm	Ant 3	DSI 3	132322	1745	-	18.24	19.50	1.337			0.16	0.331	0.443
	LTE Band 66	20M	QPSK	100	0	Back Top	5mm	Ant 3	DSI 3	132322	1745	-	18.17	19.50	1.358			-0.03	0.302	0.410
	LTE Band 66	20M	QPSK	1	0	Front	9mm	Ant 3	DSI 4	132322	1745	-	23.25	24.00	1.189			0.02	0.191	0.227
	LTE Band 66	20M	QPSK	50	0	Front	9mm	Ant 3	DSI 4	132322	1745	-	22.20	23.00	1.202			0.08	0.227	0.273
	LTE Band 66	20M	QPSK	1	0	Back Top	13mm	Ant 3	DSI 4	132322	1745	-	23.25	24.00	1.189			0.04	0.345	0.410
	LTE Band 66	20M	QPSK	50	0	Back Top	13mm	Ant 3	DSI 4	132322	1745	-	22.20	23.00	1.202			0.06	0.171	0.206
	LTE Band 66	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 3	132322	1745	Headset	18.43	19.50	1.279			0.03	0.926	1.184
	LTE Band 66	20M	QPSK	1	0	Front	5mm	Ant 2	DSI 3	132322	1745	-	19.93	21.00	1.279			0.14	0.211	0.270
	LTE Band 66	20M	QPSK	50	0	Front	5mm	Ant 2	DSI 3	132322	1745	-	19.85	21.00	1.303			-0.19	0.164	0.214
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	132322	1745	-	19.93	21.00	1.279			0.06	0.998	1.276
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	132072	1720	-	19.90	21.00	1.288			0.05	0.884	1.139
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	132572	1770	-	19.88	21.00	1.294			-0.13	0.938	1.214
	LTE Band 66	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 3	132322	1745	-	19.85	21.00	1.303			-0.04	0.798	1.040
	LTE Band 66	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 3	132072	1720	-	19.82	21.00	1.312			-0.14	0.712	0.934
	LTE Band 66	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 3	132572	1770	-	19.78	21.00	1.324			0.18	0.781	1.034
	LTE Band 66	20M	QPSK	100	0	Back	5mm	Ant 2	DSI 3	132322	1745	-	19.79	21.00	1.321			0.18	0.816	1.078
	LTE Band 66	20M	QPSK	1	0	Front	9mm	Ant 2	DSI 4	132322	1745	-	22.98	24.00	1.265			0.06	0.379	0.479
	LTE Band 66	20M	QPSK	50	0	Front	9mm	Ant 2	DSI 4	132322	1745	-	21.93	23.00	1.279			0.11	0.297	0.380
	LTE Band 66	20M	QPSK	1	0	Back	13mm	Ant 2	DSI 4	132322	1745	-	22.98	24.00	1.265			0.03	0.600	0.759
	LTE Band 66	20M	QPSK	50	0	Back	13mm	Ant 2	DSI 4	132322	1745	-	21.93	23.00	1.279			0.09	0.525	0.671
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	132322	1745	Headset	19.93	21.00	1.279			-0.03	0.968	1.238
	LTE Band 66	20M	QPSK	1	0	Front	5mm	Ant 4	DSI 3	132322	1745	-	21.23	22.30	1.279			-0.17	0.190	0.243
	LTE Band 66	20M	QPSK	50	0	Front	5mm	Ant 4	DSI 3	132322	1745	-	20.60	21.80	1.318			-0.15	0.152	0.200
	LTE Band 66	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	132322	1745	-	21.23	22.30	1.279			-0.05	0.935	1.196
	LTE Band 66	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	132072	1720	-	21.22	22.30	1.282			0.10	0.922	1.182
	LTE Band 66	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	132572	1770	-	21.19	22.30	1.291			0.15	0.999	1.290
	LTE Band 66	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 3	132322	1745	-	20.60	21.80	1.318			0.10	0.820	1.081
	LTE Band 66	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 3	132072	1720	-	20.56	21.80	1.33			-0.19	0.768	1.021
	LTE Band 66	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 3	132572	1770	-	20.54	21.80	1.337			-0.07	0.865	1.157
	LTE Band 66	20M	QPSK	100	0	Back Right	5mm	Ant 4	DSI 3	132322	1745	-	20.61	21.80	1.315			0.14	0.832	1.094
	LTE Band 66	20M	QPSK	1	0	Front	9mm	Ant 4	DSI 4	132322	1745	-	21.70	23.00	1.349			0.02	0.193	0.260
	LTE Band 66	20M	QPSK	50	0	Front	9mm	Ant 4	DSI 4	132322	1745	-	20.69	22.00	1.352			0.06	0.157	0.212
	LTE Band 66	20M	QPSK	1	0	Back Right	13mm	Ant 4	DSI 4	132322	1745	-	21.70	23.00	1.349			0.01	0.323	0.436
	LTE Band 66	20M	QPSK	50	0	Back Right	13mm	Ant 4	DSI 4	132322	1745	-	20.69	22.00	1.352			0.14	0.285	0.385
	LTE Band 66	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	132322	1745	Headset	21.23	22.30	1.279			0.09	0.919	1.175
	LTE Band 66	20M	QPSK	1	0	Front	5mm	Ant 0	DSI 3	132322	1745	-	20.01	20.80	1.199			-0.08	0.116	0.139
	LTE Band 66	20M	QPSK	50	0	Front	5mm	Ant 0	DSI 3	132322	1745	-	19.78	20.80	1.265			-0.04	0.092	0.116
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	132322	1745	-	20.01	20.80	1.199			-0.06	0.916	1.098
85	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	132072	1720	-	19.97	20.80	1.211			-0.09	1.070	1.296
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	132572	1770	-	19.95	20.80	1.216			0.14	0.888	1.080
	LTE Band 66	20M	QPSK	50	0	Back	5mm	Ant 0	DSI 3	132322	1745	-	19.78	20.80	1.265			-0.10	0.734	0.929
	LTE Band 66	20M	QPSK	50	0	Back	5mm	Ant 0	DSI 3	132072	1720	-	19.72	20.80	1.282			0.02	0.831	1.065
	LTE Band 66	20M	QPSK	50	0	Back	5mm	Ant 0	DSI 3	132572	1770	-	19.69	20.80	1.291			0.12	0.717	0.926
	LTE Band 66	20M	QPSK	100	0	Back	5mm	Ant 0	DSI 3	132322	1745	-	19.77	20.80	1.268			0.13	0.723	0.917
	LTE Band 66	20M	QPSK	1	0	Front	9mm	Ant 0	DSI 4	132322	1745	-	22.16	23.00	1.213			0.04	0.158	0.192
	LTE Band 66	20M	QPSK	50	0	Front	9mm	Ant 0	DSI 4	132322	1745	-	21.19	22.00	1.205			0.06	0.125	0.151
	LTE Band 66	20M	QPSK	1	0	Back	13mm	Ant 0	DSI 4	132322	1745	-	22.16	23.00	1.213			0.09	0.465	0.564
	LTE Band 66	20M	QPSK	50	0	Back	13mm	Ant 0	DSI 4	132322	1745	-	21.19	22.00	1.205			0.02	0.415	0.500
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	132322	1745	Headset	20.01	20.80	1.199			-0.07	0.900	1.079
	LTE Band 66 Sample2	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	132072	1720		19.97	20.8	1.211			-0.01	0.987	1.195
	LTE Band 71	20M	QPSK	1	0	Front	5mm	Ant 0	DSI 3											



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	LTE Band 71	20M	QPSK	50	0	Front	5mm	Ant 0	DSI 3	133297	680.5	-	22.38	23.00	1.153			0.13	0.235	0.271
	LTE Band 71	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	133297	680.5	-	23.30	24.00	1.175			0.09	0.632	0.743
	LTE Band 71	20M	QPSK	50	0	Back	5mm	Ant 0	DSI 3	133297	680.5	-	22.38	23.00	1.153			0.15	0.498	0.574
	LTE Band 71	20M	QPSK	1	0	Front	5mm	Ant 1	DSI 3	133297	680.5	-	19.63	20.80	1.309			0.18	0.262	0.343
	LTE Band 71	20M	QPSK	50	0	Front	5mm	Ant 1	DSI 3	133297	680.5	-	19.61	20.80	1.315			0.02	0.225	0.296
86	LTE Band 71	20M	QPSK	1	0	Back Right	5mm	Ant 1	DSI 3	133297	680.5	-	19.63	20.80	1.309			0.18	0.859	1.124
	LTE Band 71	20M	QPSK	50	0	Back Right	5mm	Ant 1	DSI 3	133297	680.5	-	19.61	20.80	1.315			-0.17	0.745	0.980
	LTE Band 71	20M	QPSK	100	0	Back Right	5mm	Ant 1	DSI 3	133297	680.5	-	19.55	20.80	1.334			0.18	0.749	0.999
	LTE Band 71	20M	QPSK	1	0	Back 1	5mm	Ant 1	DSI 3	133297	680.5	-	19.63	20.80	1.309			0.01	0.724	0.948
	LTE Band 71	20M	QPSK	50	0	Back 1	5mm	Ant 1	DSI 3	133297	680.5	-	19.61	20.80	1.315			0.07	0.632	0.831
	LTE Band 71	20M	QPSK	100	0	Back 1	5mm	Ant 1	DSI 3	133297	680.5	-	19.55	20.80	1.334			0.09	0.610	0.814
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 3	DSI 3	40620	2593	-	18.59	19.20	1.151	62.9	1.006	-0.05	0.473	0.548
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 3	DSI 3	40620	2593	-	18.38	19.20	1.208	62.9	1.006	-0.05	0.388	0.472
	LTE Band 41	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 3	40620	2593	-	18.59	19.20	1.151	62.9	1.006	-0.18	0.991	1.147
	LTE Band 41	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 3	39750	2506	-	18.52	19.20	1.169	62.9	1.006	0.16	0.946	1.113
	LTE Band 41	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 3	40185	2549.5	-	18.48	19.20	1.18	62.9	1.006	-0.09	1.090	1.294
	LTE Band 41	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 3	41055	2636.5	-	18.55	19.20	1.161	62.9	1.006	0.14	0.740	0.864
	LTE Band 41	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 3	41490	2680	-	18.46	19.20	1.186	62.9	1.006	0.15	0.608	0.725
	LTE Band 41	20M	QPSK	50	0	Back Top	5mm	Ant 3	DSI 3	40620	2593	-	18.38	19.20	1.208	62.9	1.006	-0.14	0.804	0.977
	LTE Band 41	20M	QPSK	50	0	Back Top	5mm	Ant 3	DSI 3	39750	2506	-	18.32	19.20	1.225	62.9	1.006	-0.11	0.754	0.929
	LTE Band 41	20M	QPSK	50	0	Back Top	5mm	Ant 3	DSI 3	40185	2549.5	-	18.33	19.20	1.222	62.9	1.006	0.06	0.872	1.072
	LTE Band 41	20M	QPSK	50	0	Back Top	5mm	Ant 3	DSI 3	41055	2636.5	-	18.29	19.20	1.233	62.9	1.006	0.06	0.586	0.727
	LTE Band 41	20M	QPSK	50	0	Back Top	5mm	Ant 3	DSI 3	41490	2680	-	18.35	19.20	1.216	62.9	1.006	0.04	0.492	0.602
	LTE Band 41	20M	QPSK	100	0	Back Top	5mm	Ant 3	DSI 3	40620	2593	-	18.45	19.20	1.189	62.9	1.006	0.12	0.790	0.945
	LTE Band 41 HPUE	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 3	40185	2549.5	-	20.38	20.80	1.102	42.9	1.009	0.01	1.050	1.168
	LTE Band 41	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 3	40620	2593	Headset	18.59	19.20	1.151	62.9	1.006	0.09	0.922	1.068
	LTE Band 41	20M	QPSK	1	0	Front	9mm	Ant 3	DSI 4	40620	2593	-	23.47	24.00	1.13	62.9	1.006	0.02	0.402	0.457
	LTE Band 41	20M	QPSK	50	0	Front	9mm	Ant 3	DSI 4	40620	2593	-	22.60	23.00	1.096	62.9	1.006	0.05	0.413	0.455
	LTE Band 41	20M	QPSK	1	0	Back Top	13mm	Ant 3	DSI 4	40620	2593	-	23.47	24.00	1.13	62.9	1.006	0.07	0.505	0.574
	LTE Band 41	20M	QPSK	50	0	Back Top	13mm	Ant 3	DSI 4	40620	2593	-	22.60	23.00	1.096	62.9	1.006	0.04	0.379	0.418
	LTE Band 41 HPUE	20M	QPSK	1	0	Back Top	13mm	Ant 3	DSI 4	40620	2593		26.33	27.00	1.167	42.9	1.009	0.06	0.486	0.572
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 2	DSI 3	40620	2593	-	21.36	22.40	1.271	62.9	1.006	-0.11	0.271	0.347
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 2	DSI 3	40620	2593	-	21.29	22.40	1.291	62.9	1.006	-0.13	0.218	0.283
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	40620	2593	-	21.36	22.40	1.271	62.9	1.006	0.09	0.989	1.265
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	39750	2506	-	21.30	22.40	1.288	62.9	1.006	0.03	0.932	1.208
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	40185	2549.5	-	21.25	22.40	1.303	62.9	1.006	-0.15	0.915	1.199
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	41055	2636.5	-	21.28	22.40	1.294	62.9	1.006	0.01	0.937	1.220
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	41490	2680	-	21.25	22.40	1.303	62.9	1.006	-0.02	0.896	1.174
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 3	40620	2593	-	21.29	22.40	1.291	62.9	1.006	-0.16	0.783	1.017
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 3	39750	2506	-	21.28	22.40	1.294	62.9	1.006	0.00	0.759	0.988
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 3	40185	2549.5	-	21.26	22.40	1.3	62.9	1.006	0.12	0.783	1.024
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 3	41055	2636.5	-	21.19	22.40	1.321	62.9	1.006	0.18	0.787	1.046
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 3	41490	2680	-	21.17	22.40	1.327	62.9	1.006	-0.12	0.622	0.830
	LTE Band 41	20M	QPSK	100	0	Back	5mm	Ant 2	DSI 3	40620	2593	-	21.18	22.40	1.324	62.9	1.006	-0.14	0.763	1.016
	LTE Band 41 HPUE	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	40620	2593	-	22.86	24.00	1.3	42.9	1.009	0.09	0.974	1.278
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	40620	2593	Headset	21.36	22.40	1.271	62.9	1.006	-0.02	0.941	1.203
	LTE Band 41	20M	QPSK	1	0	Front	9mm	Ant 2	DSI 4	40620	2593	-	23.16	24.00	1.213	62.9	1.006	0.02	0.314	0.383
	LTE Band 41	20M	QPSK	50	0	Front	9mm	Ant 2	DSI 4	40620	2593	-	22.19	23.00	1.205	62.9	1.006	0.06	0.219	0.265
	LTE Band 41	20M	QPSK	1	0	Back	13mm	Ant 2	DSI 4	40620	2593	-	23.16	24.00	1.213	62.9	1.006	0.09	0.468	0.571
	LTE Band 41	20M	QPSK	50	0	Back	13mm	Ant 2	DSI 4	40620	2593	-	22.19	23.00	1.205	62.9	1.006	0.04	0.350	0.424
	LTE Band 41 HPUE	20M	QPSK	1	0	Back	13mm	Ant 2	DSI 4	40620	2593	-	26.20	27.00	1.202	42.9	1.009	0.02	0.481	0.583
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 4	DSI 3	40620	2593	-	22.05	22.90	1.216	62.9	1.006	-0.13	0.103	0.126
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 4	DSI 3	40620	2593	-	21.09	21.90	1.205	62.9	1.006	0.14	0.097	0.118
	LTE Band 41	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	40620	2593	-	22.05	22.90	1.216	62.9	1.006	0.18	0.926	1.133
	LTE Band 41	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	39750	2506	-	21.92	22.90	1.253	62.9	1.006	0.05	0.871	1.098
	LTE Band 41	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	40185	2549.5	-	21.95	22.90	1.245	62.9	1.006	-0.02	0.949	1.189
87	LTE Band 41	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	41055	2636.5	-	21.89	22.90	1.262	62.9	1.006	0.02	1.020	1.295
	LTE Band 41	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	41490	2680	-	21.88	22.90	1.265	62.9	1.006	0.14	0.910	1.158
	LTE Band 41	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 3	40620	2593	-	21.09	21.90	1.205	62.9	1.006	-0.18	0.708	0.858
	LTE Band 41	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 3	39750	2506	-	21.02	21.90	1.225	62.9	1.006	-0.04	0.654	0.806
	LTE Band 41	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 3	40185	2549.5	-	21.06	21.90	1.213	62.9	1.006	0.10	0.690	0.842
	LTE Band 41	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 3	41055	2636.5	-	20.96	21.90	1.242	62.9	1.006	-0.02	0.734	0.917
	LTE Band 41	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 3	41490	2680	-	20.92	21.90	1.253	62.9	1.006	-0.18	0.716	0.903
	LTE Band 41	20M	QPSK	100	0	Back Right	5mm	Ant 4	DSI 3	40620	2593	-	21.07	21.90	1.211	62.9	1.006	0.05	0.634	0.772
	LTE Band 41 HPUE	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	41055	2636.5	-	23.68	24.50	1.208	42.9	1.009	0.19	0.992	1.209
	LTE Band 41 HPUE	20M	QPSK	1	0	Back Right	13mm	Ant 4	DSI 4	40620	2593	-	24.89	26.00	1.291	42.9	1.009	0.03	0.288	0.375
	LTE Band 41	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	40620	2593	Headset	22.05	22.90	1.216	62.9	1.006	-0.05	0.922	1.128
	LTE Band 41	20M	QPSK	1	0	Front	9mm	Ant 4	DSI 4	40620	2593	-	22.05	23.00	1.245	62.9	1.006	0.02	0.080	0.100
	LTE Band 41	20M	QPSK	50	0	Front	9mm	Ant 4	DSI 4	40620	2593	-	21.09							



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	LTE Band 41	20M	QPSK	50	0	Back Right	13mm	Ant 4	DSI 4	40620	2593	-	21.09	22.00	1.233	62.9	1.006	0.01	0.200	0.248
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 0	DSI 3	40620	2593	-	22.90	23.90	1.259	62.9	1.006	0.05	0.430	0.545
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 0	DSI 3	40620	2593	-	21.97	22.90	1.239	62.9	1.006	-0.05	0.344	0.429
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	40620	2593	-	22.90	23.90	1.259	62.9	1.006	-0.00	0.810	1.026
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	39750	2506	-	22.73	23.90	1.309	62.9	1.006	-0.02	0.756	0.996
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	40185	2549.5	-	22.84	23.90	1.276	62.9	1.006	-0.12	0.416	0.534
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	41055	2636.5	-	22.88	23.90	1.265	62.9	1.006	0.07	0.983	1.251
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	41490	2680	-	22.87	23.90	1.268	62.9	1.006	-0.18	0.960	1.225
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 0	DSI 3	40620	2593	-	21.97	22.90	1.239	62.9	1.006	0.12	0.667	0.831
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 0	DSI 3	39750	2506	-	21.86	22.90	1.271	62.9	1.006	0.17	0.610	0.780
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 0	DSI 3	40185	2549.5	-	21.92	22.90	1.253	62.9	1.006	-0.09	0.338	0.426
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 0	DSI 3	41055	2636.5	-	21.85	22.90	1.274	62.9	1.006	-0.04	0.783	1.004
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 0	DSI 3	41490	2680	-	21.93	22.90	1.25	62.9	1.006	-0.14	0.762	0.958
	LTE Band 41	20M	QPSK	100	0	Back	5mm	Ant 0	DSI 3	40620	2593	-	21.89	22.90	1.262	62.9	1.006	-0.08	0.655	0.832
	LTE Band 41 HPUE	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	41055	2636.5	-	24.65	25.50	1.216	42.9	1.009	0.02	1.050	1.288
	LTE Band 41 HPUE	20M	QPSK	1	0	Front	9mm	Ant 0	DSI 4	40620	2593	-	25.85	27.00	1.303	42.9	1.009	0.01	0.381	0.501
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	40620	2593	Headset	22.90	23.90	1.259	62.9	1.006	-0.07	0.911	1.154
	LTE Band 41	20M	QPSK	1	0	Front	9mm	Ant 0	DSI 4	40620	2593	-	22.90	24.00	1.288	62.9	1.006	0.06	0.352	0.456
	LTE Band 41	20M	QPSK	50	0	Front	9mm	Ant 0	DSI 4	40620	2593	-	21.97	23.00	1.268	62.9	1.006	0.02	0.325	0.415
	LTE Band 41	20M	QPSK	1	0	Back	13mm	Ant 0	DSI 4	40620	2593	-	22.90	24.00	1.288	62.9	1.006	0.04	0.201	0.260
	LTE Band 41	20M	QPSK	50	0	Back	13mm	Ant 0	DSI 4	40620	2593	-	21.97	23.00	1.268	62.9	1.006	0.02	0.164	0.209
	LTE Band 41 HPUE Sample2	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	41055	2636.5	-	24.65	25.5	1.216	42.9	1.009	0.09	0.923	1.132
	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 2	DSI 3	42590	3500	-	19.71	20.50	1.199	62.9	1.006	0.04	0.146	0.176
	LTE Band 42	20M	QPSK	50	0	Front	5mm	Ant 2	DSI 3	42590	3500	-	19.60	20.50	1.23	62.9	1.006	-0.03	0.118	0.146
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	42590	3500	-	19.71	20.50	1.199	62.9	1.006	-0.00	1.000	1.206
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	42190	3460	-	19.68	20.50	1.208	62.9	1.006	0.01	0.820	0.997
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	42990	3540	-	19.66	20.50	1.213	62.9	1.006	0.03	1.010	1.232
	LTE Band 42	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 3	42590	3500	-	19.60	20.50	1.23	62.9	1.006	0.05	0.795	0.984
	LTE Band 42	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 3	42190	3460	-	19.57	20.50	1.239	62.9	1.006	0.14	0.668	0.833
	LTE Band 42	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 3	42990	3540	-	19.52	20.50	1.253	62.9	1.006	-0.01	0.820	1.034
	LTE Band 42	20M	QPSK	100	0	Back	5mm	Ant 2	DSI 3	42590	3500	-	19.49	20.50	1.262	62.9	1.006	0.03	0.793	1.007
	LTE Band 42	20M	QPSK	1	0	Front	9mm	Ant 2	DSI 4	42590	3500	-	20.85	22.00	1.303	62.9	1.006	0.02	0.062	0.081
	LTE Band 42	20M	QPSK	50	0	Front	9mm	Ant 2	DSI 4	42590	3500	-	19.92	21.00	1.282	62.9	1.006	0.06	0.052	0.067
	LTE Band 42	20M	QPSK	1	0	Back	13mm	Ant 2	DSI 4	42590	3500	-	20.85	22.00	1.303	62.9	1.006	0.01	0.357	0.468
	LTE Band 42	20M	QPSK	50	0	Back	13mm	Ant 2	DSI 4	42590	3500	-	19.92	21.00	1.282	62.9	1.006	0.03	0.288	0.371
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	42590	3500	Headset	19.71	20.50	1.199	62.9	1.006	-0.08	0.988	1.192
	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 4	DSI 3	42590	3500	-	22.12	23	1.225	62.9	1.006	0.06	0.061	0.075
	LTE Band 42	20M	QPSK	50	0	Front	5mm	Ant 4	DSI 3	42590	3500	-	22.05	23	1.245	62.9	1.006	0.06	0.051	0.064
	LTE Band 42	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	42590	3500	-	22.12	23	1.225	62.9	1.006	-0.01	0.991	1.221
	LTE Band 42	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	42190	3460	-	22.06	23	1.242	62.9	1.006	0.09	0.851	1.063
	LTE Band 42	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	42990	3540	-	22.02	23	1.253	62.9	1.006	-0.01	0.905	1.141
	LTE Band 42	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 3	42590	3500	-	22.05	23	1.245	62.9	1.006	-0.11	0.758	0.949
	LTE Band 42	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 3	42190	3460	-	22.01	23	1.256	62.9	1.006	0.03	0.675	0.853
	LTE Band 42	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 3	42990	3540	-	22.03	23	1.250	62.9	1.006	0.15	0.686	0.863
	LTE Band 42	20M	QPSK	100	0	Back Right	5mm	Ant 4	DSI 3	42590	3500	-	22.03	23	1.250	62.9	1.006	0.17	0.790	0.993
	LTE Band 42	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	42590	3500	Headset	22.12	23	1.225	62.9	1.006	-0.12	0.962	1.186
	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 6	DSI 3	42590	3500	-	20.23	20.90	1.167	62.9	1.006	-0.18	0.098	0.115
	LTE Band 42	20M	QPSK	50	0	Front	5mm	Ant 6	DSI 3	42590	3500	-	20.08	20.90	1.208	62.9	1.006	0.19	0.076	0.092
	LTE Band 42	20M	QPSK	1	0	Back Top	5mm	Ant 6	DSI 3	42590	3500	-	20.23	20.90	1.167	62.9	1.006	0.03	0.970	1.139
	LTE Band 42	20M	QPSK	1	0	Back Top	5mm	Ant 6	DSI 3	42190	3460	-	20.20	20.90	1.175	62.9	1.006	0.03	0.961	1.136
	LTE Band 42	20M	QPSK	1	0	Back Top	5mm	Ant 6	DSI 3	42990	3540	-	20.18	20.90	1.18	62.9	1.006	0.08	0.834	0.990
	LTE Band 42	20M	QPSK	50	0	Back Top	5mm	Ant 6	DSI 3	42590	3500	-	20.08	20.90	1.208	62.9	1.006	-0.05	0.793	0.964
	LTE Band 42	20M	QPSK	50	0	Back Top	5mm	Ant 6	DSI 3	42190	3460	-	20.01	20.90	1.227	62.9	1.006	0.18	0.783	0.967
	LTE Band 42	20M	QPSK	50	0	Back Top	5mm	Ant 6	DSI 3	42990	3540	-	20.07	20.90	1.211	62.9	1.006	-0.05	0.739	0.900
	LTE Band 42	20M	QPSK	100	0	Back Top	5mm	Ant 6	DSI 3	42590	3500	-	20.00	20.90	1.23	62.9	1.006	0.06	0.765	0.947
	LTE Band 42	20M	QPSK	1	0	Front	9mm	Ant 6	DSI 4	42590	3500	-	22.03	23.00	1.25	62.9	1.006	0.02	0.234	0.294
	LTE Band 42	20M	QPSK	50	0	Front	9mm	Ant 6	DSI 4	42590	3500	-	21.24	22.00	1.191	62.9	1.006	0.09	0.187	0.224
	LTE Band 42	20M	QPSK	1	0	Back Top	13mm	Ant 6	DSI 4	42590	3500	-	22.03	23.00	1.25	62.9	1.006	0.05	0.239	0.301
	LTE Band 42	20M	QPSK	50	0	Back Top	13mm	Ant 6	DSI 4	42590	3500	-	21.24	22.00	1.191	62.9	1.006	0.01	0.189	0.226
	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 3	42590	3500	-	18.21	19.3	1.285	62.9	1.006	0.08	0.193	0.249
	LTE Band 42	20M	QPSK	50	0	Front	5mm	Ant 8	DSI 3	42590	3500	-	18.1	19.3	1.318	62.9	1.006	-0.07	0.151	0.2
	LTE Band 42	20M	QPSK	1	0	Back Top	5mm	Ant 8	DSI 3	42590	3500	-	18.21	19.3	1.285	62.9	1.006	0.01	0.971	1.255
	LTE Band 42	20M	QPSK	1	0	Back Top	5mm	Ant 8	DSI 3	42190	3460	-	18.2	19.3	1.288	62.9	1.006	-0.19	0.922	1.195
88	LTE Band 42	20M	QPSK	1	0	Back Top	5mm	Ant 8	DSI 3	42990	3540	-	18.19	19.3	1.291	62.9	1.006	-0.06	0.997	1.295
	LTE Band 42	20M	QPSK	50	0	Back Top	5mm	Ant 8	DSI 3	42590	3500	-	18.1	19.3	1.318	62.9	1.006	0.1	0.806	1.069
	LTE Band 42	20M	QPSK	50	0	Back Top	5mm	Ant 8	DSI 3	42190	3460	-	18.08	19.3	1.324	62.9	1.006	-0.04	0.731	0.974
	LTE Band 42	20M	QPSK	50	0	Back Top	5mm	Ant 8	DSI 3	42990	3540	-	18.05	19.3	1.334	62.9	1.006	-0.06	0.840	1.127
	LTE Band 42	20M	QPSK	100	0	Back Top	5mm	Ant 8	DSI 3	42590	3500	-	17.98	19.3	1.355	62.9	1.006	-0.18	0.789	1.076
	LTE Band 42	20M	QPSK	1	0	Front	9mm	Ant 8	DSI 4	42590	3500									



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	LTE Band 42	20M	QPSK	50	0	Back Top	13mm	Ant 8	DSI 4	42590	3500	-	22.19	23	1.205	62.9	1.006	0.02	0.577	0.699
	LTE Band 42	20M	QPSK	1	0	Back Top	5mm	Ant 8	DSI 3	42590	3500	Headset	18.21	19.3	1.285	62.9	1.006	0.03	0.966	1.249
	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 2	DSI 3	43340	3575	-	19.68	20.50	1.208	62.9	1.006	0.01	0.159	0.193
	LTE Band 42	20M	QPSK	50	0	Front	5mm	Ant 2	DSI 3	43340	3575	-	19.60	20.50	1.23	62.9	1.006	0.06	0.130	0.161
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	43340	3575	-	19.68	20.50	1.208	62.9	1.006	-0.09	1.030	1.252
	LTE Band 42	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 3	43340	3575	-	19.60	20.50	1.23	62.9	1.006	0.13	0.831	1.028
	LTE Band 42	20M	QPSK	100	0	Back	5mm	Ant 2	DSI 3	43340	3575	-	19.37	20.50	1.297	62.9	1.006	-0.18	0.834	1.088
	LTE Band 42	20M	QPSK	1	0	Front	9mm	Ant 2	DSI 4	43340	3575	-	20.59	22.00	1.384	62.9	1.006	0.06	0.142	0.198
	LTE Band 42	20M	QPSK	50	0	Front	9mm	Ant 2	DSI 4	43340	3575	-	19.61	21.00	1.377	62.9	1.006	-0.03	0.115	0.159
	LTE Band 42	20M	QPSK	1	0	Back	13mm	Ant 2	DSI 4	43340	3575	-	20.59	22.00	1.384	62.9	1.006	0.02	0.373	0.519
	LTE Band 42	20M	QPSK	50	0	Back	13mm	Ant 2	DSI 4	43340	3575	-	19.61	21.00	1.377	62.9	1.006	0.01	0.331	0.459
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	43340	3575	Headset	19.68	20.50	1.208	62.9	1.006	0.01	0.982	1.193
	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 4	DSI 3	43340	3575	-	22.05	23	1.245	62.9	1.006	-0.14	0.048	0.06
	LTE Band 42	20M	QPSK	50	0	Front	5mm	Ant 4	DSI 3	43340	3575	-	22.04	23	1.247	62.9	1.006	0.14	0.035	0.044
	LTE Band 42	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	43340	3575	-	22.05	23	1.245	62.9	1.006	0.07	0.831	1.041
	LTE Band 42	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 3	43340	3575	-	22.04	23	1.247	62.9	1.006	-0.14	0.678	0.851
	LTE Band 42	20M	QPSK	100	0	Back Right	5mm	Ant 4	DSI 3	43340	3575	-	22.02	23	1.253	62.9	1.006	0.01	0.667	0.841
	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 6	DSI 3	43340	3575	-	20.19	20.90	1.178	62.9	1.006	-0.16	0.130	0.154
	LTE Band 42	20M	QPSK	50	0	Front	5mm	Ant 6	DSI 3	43340	3575	-	20.07	20.90	1.211	62.9	1.006	-0.04	0.105	0.128
	LTE Band 42	20M	QPSK	1	0	Back Top	5mm	Ant 6	DSI 3	43340	3575	-	20.19	20.90	1.178	62.9	1.006	-0.04	0.976	1.157
	LTE Band 42	20M	QPSK	50	0	Back Top	5mm	Ant 6	DSI 3	43340	3575	-	20.07	20.90	1.211	62.9	1.006	0.08	0.795	0.969
	LTE Band 42	20M	QPSK	100	0	Back Top	5mm	Ant 6	DSI 3	43340	3575	-	20.05	20.90	1.216	62.9	1.006	0.13	0.786	0.962
	LTE Band 42	20M	QPSK	1	0	Front	9mm	Ant 6	DSI 4	43340	3575	-	21.99	23.00	1.262	62.9	1.006	0.04	0.092	0.117
	LTE Band 42	20M	QPSK	50	0	Front	9mm	Ant 6	DSI 4	43340	3575	-	21.16	22.00	1.213	62.9	1.006	0.08	0.084	0.103
	LTE Band 42	20M	QPSK	1	0	Back Top	13mm	Ant 6	DSI 4	43340	3575	-	21.99	23.00	1.262	62.9	1.006	0.06	0.275	0.349
	LTE Band 42	20M	QPSK	50	0	Back Top	13mm	Ant 6	DSI 4	43340	3575	-	21.16	22.00	1.213	62.9	1.006	0.03	0.237	0.289
	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 3	43340	3575	-	18.17	19.3	1.297	62.9	1.006	0.04	0.213	0.278
	LTE Band 42	20M	QPSK	50	0	Front	5mm	Ant 8	DSI 3	43340	3575	-	18.08	19.3	1.324	62.9	1.006	-0.1	0.159	0.212
	LTE Band 42	20M	QPSK	1	0	Back Top	5mm	Ant 8	DSI 3	43340	3575	-	18.17	19.3	1.297	62.9	1.006	0.05	0.931	1.215
	LTE Band 42	20M	QPSK	50	0	Back Top	5mm	Ant 8	DSI 3	43340	3575	-	18.08	19.3	1.324	62.9	1.006	-0.1	0.769	1.024
	LTE Band 42	20M	QPSK	100	0	Back Top	5mm	Ant 8	DSI 3	43340	3575	-	17.91	19.3	1.377	62.9	1.006	0	0.749	1.038
	LTE Band 42	20M	QPSK	1	0	Front	9mm	Ant 8	DSI 4	43340	3575	-	23.15	24	1.216	62.9	1.006	0.02	0.211	0.258
	LTE Band 42	20M	QPSK	50	0	Front	9mm	Ant 8	DSI 4	43340	3575	-	22.19	23	1.205	62.9	1.006	0.04	0.203	0.246
	LTE Band 42	20M	QPSK	1	0	Back Top	13mm	Ant 8	DSI 4	43340	3575	-	23.15	24	1.216	62.9	1.006	0.06	0.580	0.71
	LTE Band 42	20M	QPSK	50	0	Back Top	13mm	Ant 8	DSI 4	43340	3575	-	22.19	23	1.205	62.9	1.006	0.09	0.572	0.693
	LTE Band 42	20M	QPSK	1	0	Back Top	5mm	Ant 8	DSI 3	43340	3575	Headset	18.17	19.3	1.297	62.9	1.006	0.01	0.888	1.159
	LTE Band 43	20M	QPSK	1	0	Front	5mm	Ant 2	DSI 3	44090	3650	-	18.95	20.00	1.274	62.9	1.006	-0.04	0.110	0.141
	LTE Band 43	20M	QPSK	50	0	Front	5mm	Ant 2	DSI 3	44090	3650	-	18.82	20.00	1.312	62.9	1.006	-0.11	0.095	0.125
	LTE Band 43	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	44090	3650	-	18.95	20.00	1.274	62.9	1.006	-0.09	0.934	1.197
89	LTE Band 43	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	43690	3610	-	18.85	20.00	1.303	62.9	1.006	0.09	0.992	1.300
	LTE Band 43	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	44490	3690	-	18.87	20.00	1.297	62.9	1.006	0.13	0.940	1.226
	LTE Band 43	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 3	44090	3650	-	18.82	20.00	1.312	62.9	1.006	-0.11	0.768	1.014
	LTE Band 43	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 3	43690	3610	-	18.79	20.00	1.321	62.9	1.006	0.16	0.812	1.079
	LTE Band 43	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 3	44490	3690	-	18.72	20.00	1.343	62.9	1.006	0.19	0.750	1.013
	LTE Band 43	20M	QPSK	100	0	Back	5mm	Ant 2	DSI 3	44090	3650	-	18.84	20.00	1.306	62.9	1.006	0.07	0.768	1.009
	LTE Band 43	20M	QPSK	1	0	Front	9mm	Ant 2	DSI 4	44090	3650	-	20.79	22.00	1.321	62.9	1.006	0.02	0.127	0.169
	LTE Band 43	20M	QPSK	50	0	Front	9mm	Ant 2	DSI 4	44090	3650	-	19.73	21.00	1.34	62.9	1.006	0.05	0.103	0.139
	LTE Band 43	20M	QPSK	1	0	Back	13mm	Ant 2	DSI 4	44090	3650	-	20.79	22.00	1.321	62.9	1.006	0.09	0.313	0.416
	LTE Band 43	20M	QPSK	50	0	Back	13mm	Ant 2	DSI 4	44090	3650	-	19.73	21.00	1.34	62.9	1.006	0.06	0.249	0.336
	LTE Band 43	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	44090	3650	Headset	18.95	20.00	1.274	62.9	1.006	0.01	0.963	1.234
	LTE Band 43	20M	QPSK	1	0	Front	5mm	Ant 4	DSI 3	44090	3650	-	22.14	23	1.219	62.9	1.006	-0.03	0.071	0.087
	LTE Band 43	20M	QPSK	50	0	Front	5mm	Ant 4	DSI 3	44090	3650	-	22.09	23	1.233	62.9	1.006	0.05	0.049	0.061
	LTE Band 43	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	44090	3650	-	22.14	23	1.219	62.9	1.006	0.13	0.850	1.042
	LTE Band 43	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	43690	3610	-	22.11	23	1.227	62.9	1.006	0.01	0.980	1.21
	LTE Band 43	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	44490	3690	-	22.09	23	1.233	62.9	1.006	0.11	0.765	0.949
	LTE Band 43	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 3	44090	3650	-	22.09	23	1.233	62.9	1.006	-0.18	0.536	0.665
	LTE Band 43	20M	QPSK	100	0	Back Right	5mm	Ant 4	DSI 3	44090	3650	-	22.11	23	1.227	62.9	1.006	-0.03	0.555	0.685
	LTE Band 43	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	44090	3650	Headset	22.14	23	1.219	62.9	1.006	-0.01	0.958	1.175
	LTE Band 43	20M	QPSK	1	0	Front	5mm	Ant 6	DSI 3	44090	3650	-	19.97	20.80	1.211	62.9	1.006	-0.18	0.197	0.240
	LTE Band 43	20M	QPSK	50	0	Front	5mm	Ant 6	DSI 3	44090	3650	-	19.80	20.80	1.259	62.9	1.006	-0.16	0.160	0.203
	LTE Band 43	20M	QPSK	1	0	Back Top	5mm	Ant 6	DSI 3	44090	3650	-	19.97	20.80	1.211	62.9	1.006	-0.14	0.971	1.183
	LTE Band 43	20M	QPSK	1	0	Back Top	5mm	Ant 6	DSI 3	43690	3610	-	19.82	20.80	1.253	62.9	1.006	0.08	1.030	1.298
	LTE Band 43	20M	QPSK	1	0	Back Top	5mm	Ant 6	DSI 3	44490	3690	-	19.87	20.80	1.239	62.9	1.006	-0.17	0.912	1.137
	LTE Band 43	20M	QPSK	50	0	Back Top	5mm	Ant 6	DSI 3	44090	3650	-	19.80	20.80	1.259	62.9	1.006	0.10	0.778	0.985
	LTE Band 43	20M	QPSK	50	0	Back Top	5mm	Ant 6	DSI 3	43690	3610	-	19.75	20.80	1.274	62.9	1.006	-0.06	0.824	1.056
	LTE Band 43	20M	QPSK	50	0	Back Top	5mm	Ant 6	DSI 3	44490	3690	-	19.77	20.80	1.268	62.9	1.006	0.17	0.728	0.929
	LTE Band 43	20M	QPSK	100	0	Back Top	5mm	Ant 6	DSI 3	44090	3650	-	19.75	20.80	1.274	62.9	1.006	0.05	0.769	0.986
	LTE Band 43	20M	QPSK	1	0	Front	9mm	Ant 6	DSI 4	44090	3650	-	21.86	23.00	1.3	62.9	1.006	0.05	0.153	0.200
	LTE Band 43	20M	QPSK	50	0	Front	9mm	Ant 6	DSI 4	44090	3650	-	20.87	22.00	1					



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	LTE Band 43	20M	QPSK	50	0	Front	9mm	Ant 8	DSI 4	44090	3650	-	22.12	23.00	1.225	62.9	1.006	0.02	0.215	0.265
	LTE Band 43	20M	QPSK	1	0	Back Top	13mm	Ant 8	DSI 4	44090	3650	-	23.07	24.00	1.239	62.9	1.006	0.05	0.426	0.531
	LTE Band 43	20M	QPSK	50	0	Back Top	13mm	Ant 8	DSI 4	44090	3650	-	22.12	23.00	1.225	62.9	1.006	0.03	0.419	0.516
	LTE Band 48	20M	QPSK	1	0	Front	5mm	Ant 2	DSI 3	55830	3609	-	19.44	20.70	1.337	62.9	1.006	-0.14	0.127	0.171
	LTE Band 48	20M	QPSK	50	0	Front	5mm	Ant 2	DSI 3	55830	3609	-	19.18	20.70	1.419	62.9	1.006	-0.10	0.107	0.153
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	55830	3609	-	19.44	20.70	1.337	62.9	1.006	0.19	0.881	1.185
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	55830	3560	-	19.42	20.70	1.343	62.9	1.006	-0.09	0.959	1.296
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	56150	3641	-	19.40	20.70	1.349	62.9	1.006	-0.03	0.856	1.162
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	56640	3690	-	19.36	20.70	1.361	62.9	1.006	0.06	0.827	1.132
	LTE Band 48	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 3	55830	3609	-	19.18	20.70	1.419	62.9	1.006	0.09	0.731	1.044
	LTE Band 48	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 3	55830	3560	-	19.11	20.70	1.442	62.9	1.006	-0.13	0.804	1.166
	LTE Band 48	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 3	56150	3641	-	19.11	20.70	1.442	62.9	1.006	-0.19	0.699	1.014
	LTE Band 48	20M	QPSK	50	0	Back	5mm	Ant 2	DSI 3	56640	3690	-	19.15	20.70	1.429	62.9	1.006	-0.09	0.673	0.967
	LTE Band 48	20M	QPSK	100	0	Back	5mm	Ant 2	DSI 3	55830	3609	-	19.16	20.70	1.426	62.9	1.006	-0.09	0.727	1.043
	LTE Band 48	20M	QPSK	1	0	Front	9mm	Ant 2	DSI 3	55830	3609	-	20.70	22.00	1.349	62.9	1.006	0.04	0.112	0.152
	LTE Band 48	20M	QPSK	50	0	Front	9mm	Ant 2	DSI 4	55830	3609	-	19.71	21.00	1.346	62.9	1.006	0.06	0.102	0.138
	LTE Band 48	20M	QPSK	1	0	Back	13mm	Ant 2	DSI 4	55830	3609	-	20.70	22.00	1.349	62.9	1.006	0.02	0.259	0.351
	LTE Band 48	20M	QPSK	50	0	Back	13mm	Ant 2	DSI 4	55830	3609	-	19.71	21.00	1.346	62.9	1.006	0.09	0.217	0.294
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	55830	3609	Headset	19.44	20.70	1.337	62.9	1.006	0.03	0.880	1.184
	LTE Band 48	20M	QPSK	1	0	Front	5mm	Ant 4	DSI 3	55830	3609	-	22.15	23	1.216	62.9	1.006	0.14	0.075	0.092
	LTE Band 48	20M	QPSK	50	0	Front	5mm	Ant 4	DSI 3	55830	3609	-	22.14	23	1.219	62.9	1.006	-0.12	0.059	0.072
	LTE Band 48	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	55830	3609	-	22.15	23	1.216	62.9	1.006	-0.05	0.887	1.085
	LTE Band 48	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	55340	3560	-	21.97	23	1.268	62.9	1.006	0.02	0.917	1.17
	LTE Band 48	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	56150	3641	-	21.95	23	1.274	62.9	1.006	-0.16	0.885	1.134
	LTE Band 48	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	56640	3690	-	22.09	23	1.233	62.9	1.006	-0.16	0.774	0.96
	LTE Band 48	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 3	55830	3609	-	22.14	23	1.219	62.9	1.006	0.04	0.623	0.764
	LTE Band 48	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 3	55340	3560	-	22.11	23	1.227	62.9	1.006	-0.15	0.671	0.828
	LTE Band 48	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 3	56150	3641	-	22.03	23	1.250	62.9	1.006	0.13	0.550	0.692
	LTE Band 48	20M	QPSK	50	0	Back Right	5mm	Ant 4	DSI 3	56640	3690	-	22.09	23	1.233	62.9	1.006	-0.08	0.516	0.64
	LTE Band 48	20M	QPSK	100	0	Back Right	5mm	Ant 4	DSI 3	55830	3609	-	22.11	23	1.227	62.9	1.006	0.17	0.755	0.932
	LTE Band 48	20M	QPSK	1	0	Front	5mm	Ant 6	DSI 3	55830	3609	-	20.08	20.90	1.208	62.9	1.006	-0.05	0.169	0.205
	LTE Band 48	20M	QPSK	50	0	Front	5mm	Ant 6	DSI 3	55830	3609	-	19.91	20.90	1.256	62.9	1.006	0.04	0.146	0.184
	LTE Band 48	20M	QPSK	1	0	Back Top	5mm	Ant 6	DSI 3	55830	3609	-	20.08	20.90	1.208	62.9	1.006	0.10	0.988	1.201
	LTE Band 48	20M	QPSK	1	0	Back Top	5mm	Ant 6	DSI 3	55340	3560	-	20.05	20.90	1.216	62.9	1.006	-0.12	0.965	1.180
	LTE Band 48	20M	QPSK	1	0	Back Top	5mm	Ant 6	DSI 3	56150	3641	-	20.03	20.90	1.222	62.9	1.006	-0.14	1.050	1.291
	LTE Band 48	20M	QPSK	1	0	Back Top	5mm	Ant 6	DSI 3	56640	3690	-	19.98	20.90	1.236	62.9	1.006	0.11	0.974	1.211
	LTE Band 48	20M	QPSK	50	0	Back Top	5mm	Ant 6	DSI 3	55830	3609	-	19.91	20.90	1.256	62.9	1.006	0.10	0.902	1.140
	LTE Band 48	20M	QPSK	50	0	Back Top	5mm	Ant 6	DSI 3	55340	3560	-	19.81	20.90	1.285	62.9	1.006	-0.03	0.744	0.962
	LTE Band 48	20M	QPSK	50	0	Back Top	5mm	Ant 6	DSI 3	56150	3641	-	19.82	20.90	1.282	62.9	1.006	-0.15	0.852	1.099
	LTE Band 48	20M	QPSK	50	0	Back Top	5mm	Ant 6	DSI 3	56640	3690	-	19.90	20.90	1.259	62.9	1.006	0.19	0.807	1.022
	LTE Band 48	20M	QPSK	100	0	Back Top	5mm	Ant 6	DSI 3	55830	3609	-	19.80	20.90	1.288	62.9	1.006	-0.09	0.863	1.118
	LTE Band 48	20M	QPSK	1	0	Front	9mm	Ant 6	DSI 4	55830	3609	-	21.78	23.00	1.324	62.9	1.006	0.09	0.113	0.151
	LTE Band 48	20M	QPSK	50	0	Front	9mm	Ant 6	DSI 4	55830	3609	-	20.81	22.00	1.315	62.9	1.006	0.01	0.119	0.157
	LTE Band 48	20M	QPSK	1	0	Back Top	13mm	Ant 6	DSI 4	55830	3609	-	21.78	23.00	1.324	62.9	1.006	0.14	0.154	0.205
	LTE Band 48	20M	QPSK	50	0	Back Top	13mm	Ant 6	DSI 4	55830	3609	-	20.81	22.00	1.315	62.9	1.006	0.06	0.109	0.144
	LTE Band 48	20M	QPSK	1	0	Back Top	5mm	Ant 6	DSI 3	55830	3609	Headset	20.08	20.90	1.208	62.9	1.006	0.02	0.965	1.173
	LTE Band 48	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 3	55830	3609	-	18.82	19.8	1.253	62.9	1.006	-0.07	0.208	0.262
	LTE Band 48	20M	QPSK	50	0	Front	5mm	Ant 8	DSI 3	55830	3609	-	18.7	19.8	1.288	62.9	1.006	0.16	0.168	0.218
	LTE Band 48	20M	QPSK	1	0	Back Top	5mm	Ant 8	DSI 3	55830	3609	-	18.82	19.8	1.253	62.9	1.006	0.04	0.924	1.165
90	LTE Band 48	20M	QPSK	1	0	Back Top	5mm	Ant 8	DSI 3	55340	3560	-	18.68	19.8	1.294	62.9	1.006	-0.06	0.997	1.298
	LTE Band 48	20M	QPSK	1	0	Back Top	5mm	Ant 8	DSI 3	56150	3641	-	18.77	19.8	1.268	62.9	1.006	-0.16	0.858	1.094
	LTE Band 48	20M	QPSK	1	0	Back Top	5mm	Ant 8	DSI 3	56640	3690	-	18.69	19.8	1.291	62.9	1.006	0.1	0.868	1.127
	LTE Band 48	20M	QPSK	50	0	Back Top	5mm	Ant 8	DSI 3	55830	3609	-	18.7	19.8	1.288	62.9	1.006	0.06	0.768	0.995
	LTE Band 48	20M	QPSK	50	0	Back Top	5mm	Ant 8	DSI 3	55340	3560	-	18.56	19.8	1.330	62.9	1.006	0.01	0.851	1.139
	LTE Band 48	20M	QPSK	50	0	Back Top	5mm	Ant 8	DSI 3	56150	3641	-	18.69	19.8	1.291	62.9	1.006	-0.15	0.712	0.925
	LTE Band 48	20M	QPSK	50	0	Back Top	5mm	Ant 8	DSI 3	56640	3690	-	18.69	19.8	1.291	62.9	1.006	-0.09	0.695	0.903
	LTE Band 48	20M	QPSK	100	0	Back Top	5mm	Ant 8	DSI 3	55830	3609	-	18.56	19.8	1.330	62.9	1.006	0.15	0.750	1.003
	LTE Band 48	20M	QPSK	1	0	Front	9mm	Ant 8	DSI 4	55830	3609	-	23.01	24	1.256	62.9	1.006	0.02	0.284	0.359
	LTE Band 48	20M	QPSK	50	0	Front	9mm	Ant 8	DSI 4	55830	3609	-	22.06	23	1.242	62.9	1.006	0.06	0.229	0.286
	LTE Band 48	20M	QPSK	1	0	Back Top	13mm	Ant 8	DSI 4	55830	3609	-	23.01	24	1.256	62.9	1.006	0.05	0.444	0.561
	LTE Band 48	20M	QPSK	50	0	Back Top	13mm	Ant 8	DSI 4	55830	3609	-	22.06	23	1.242	62.9	1.006	0.03	0.417	0.521
	LTE Band 48	20M	QPSK	1	0	Back Top	5mm	Ant 8	DSI 3	55830	3609	Headset	18.82	19.8	1.253	62.9	1.006	0.01	0.952	1.2



【FR1 SAR】

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Headset	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)
	FR1 n7	50M	BPSK	1	1	Front	5mm	Ant 3	DSI 3	507000	2535	-	16.66	17.30	1.159			0.07	0.468	0.542
	FR1 n7	50M	BPSK	135	68	Front	5mm	Ant 3	DSI 3	507000	2535	-	16.64	17.30	1.164			-0.14	0.508	0.591
	FR1 n7	50M	BPSK	1	1	Back Top	5mm	Ant 3	DSI 3	507000	2535	-	16.66	17.30	1.159			0.02	0.964	1.117
	FR1 n7	50M	BPSK	135	68	Back Top	5mm	Ant 3	DSI 3	507000	2535	-	16.64	17.30	1.164			-0.12	1.100	1.280
	FR1 n7	50M	BPSK	270	0	Back Top	5mm	Ant 3	DSI 3	507000	2535	-	16.61	17.30	1.172			0.14	1.020	1.195
	FR1 n7	50M	BPSK	1	1	Front	9mm	Ant 3	DSI 4	507000	2535	-	22.52	23.50	1.253			0.02	0.587	0.736
	FR1 n7	50M	BPSK	135	68	Front	9mm	Ant 3	DSI 4	507000	2535	-	22.50	23.50	1.259			0.04	0.516	0.650
	FR1 n7	50M	BPSK	1	1	Back Top	13mm	Ant 3	DSI 4	507000	2535	-	22.52	23.50	1.253			0.03	0.633	0.793
	FR1 n7	50M	BPSK	135	68	Back Top	13mm	Ant 3	DSI 4	507000	2535	-	22.50	23.50	1.259			0.08	0.615	0.774
	FR1 n7	50M	BPSK	1	1	Back Top	5mm	Ant 3	DSI 3	507000	2535	Headset	16.66	17.30	1.159			0.02	0.356	0.413
	FR1 n7	50M	BPSK	1	1	Front	5mm	Ant 2	DSI 3	507000	2535	-	18.99	19.90	1.233			-0.16	0.221	0.272
	FR1 n7	50M	BPSK	135	68	Front	5mm	Ant 2	DSI 3	507000	2535	-	18.95	19.90	1.245			0.06	0.240	0.299
91	FR1 n7	50M	BPSK	1	1	Back	5mm	Ant 2	DSI 3	507000	2535	-	18.99	19.90	1.233			-0.09	1.050	1.295
	FR1 n7	50M	BPSK	135	68	Back	5mm	Ant 2	DSI 3	507000	2535	-	18.95	19.90	1.245			0.12	1.030	1.282
	FR1 n7	50M	BPSK	270	0	Back	5mm	Ant 2	DSI 3	507000	2535	-	18.93	19.90	1.25			0.15	1.020	1.275
	FR1 n7	50M	BPSK	1	1	Front	9mm	Ant 2	DSI 4	507000	2535	-	23.03	24.00	1.25			0.02	0.529	0.661
	FR1 n7	50M	BPSK	135	68	Front	9mm	Ant 2	DSI 4	507000	2535	-	23.02	24.00	1.253			-0.07	0.484	0.606
	FR1 n7	50M	BPSK	1	1	Back	13mm	Ant 2	DSI 4	507000	2535	-	23.03	24.00	1.25			-0.08	0.605	0.756
	FR1 n7	50M	BPSK	135	68	Back	13mm	Ant 2	DSI 4	507000	2535	-	23.02	24.00	1.253			-0.14	0.569	0.713
	FR1 n7	50M	BPSK	1	1	Back	5mm	Ant 2	DSI 3	507000	2535	Headset	18.99	19.90	1.233			0.05	1.020	1.258
	FR1 n7	50M	BPSK	1	1	Front	5mm	Ant 4	DSI 3	507000	2535	-	20.69	21.80	1.291			0.04	0.093	0.120
	FR1 n7	50M	BPSK	135	68	Front	5mm	Ant 4	DSI 3	507000	2535	-	20.67	21.80	1.297			0.05	0.072	0.093
	FR1 n7	50M	BPSK	1	1	Back Right	5mm	Ant 4	DSI 3	507000	2535	-	20.69	21.80	1.291			-0.19	0.698	0.901
	FR1 n7	50M	BPSK	135	68	Back Right	5mm	Ant 4	DSI 3	507000	2535	-	20.67	21.80	1.297			-0.07	0.987	1.280
	FR1 n7	50M	BPSK	270	0	Back Right	5mm	Ant 4	DSI 3	507000	2535	-	20.61	21.80	1.315			0.19	0.673	0.885
	FR1 n7	50M	BPSK	1	1	Front	9mm	Ant 4	DSI 4	507000	2535	-	22.27	23.00	1.183			0.11	0.074	0.088
	FR1 n7	50M	BPSK	135	68	Front	9mm	Ant 4	DSI 4	507000	2535	-	22.25	23.00	1.189			0.08	0.069	0.082
	FR1 n7	50M	BPSK	1	1	Back Right	13mm	Ant 4	DSI 4	507000	2535	-	22.27	23.00	1.183			-0.19	0.208	0.246
	FR1 n7	50M	BPSK	135	68	Back Right	13mm	Ant 4	DSI 4	507000	2535	-	22.25	23.00	1.189			-0.11	0.189	0.225
	FR1 n7	50M	BPSK	1	1	Back Right	5mm	Ant 4	DSI 3	507000	2535	Headset	20.69	21.80	1.291			-0.04	0.982	1.268
	FR1 n7	50M	BPSK	1	1	Front	5mm	Ant 0	DSI 3	507000	2535	-	22.63	24.00	1.371			0.02	0.639	0.876
	FR1 n7	50M	BPSK	135	68	Front	5mm	Ant 0	DSI 3	507000	2535	-	22.62	24.00	1.374			-0.18	0.733	1.007
	FR1 n7	50M	BPSK	270	0	Front	5mm	Ant 0	DSI 3	507000	2535	-	22.55	24.00	1.396			0.11	0.725	1.012
	FR1 n7	50M	BPSK	1	1	Back	5mm	Ant 0	DSI 3	507000	2535	-	22.63	24.00	1.371			0.06	0.877	1.202
	FR1 n7	50M	BPSK	135	68	Back	5mm	Ant 0	DSI 3	507000	2535	-	22.62	24.00	1.374			0.01	0.734	1.009
	FR1 n7	50M	BPSK	270	0	Back	5mm	Ant 0	DSI 3	507000	2535	-	22.55	24.00	1.396			-0.10	0.751	1.048
	FR1 n7	50M	BPSK	1	1	Back	5mm	Ant 0	DSI 3	507000	2535	Headset	22.63	24.00	1.371			0.05	0.870	1.193
	FR1 n12	15M	BPSK	1	1	Front	5mm	Ant 0	DSI 3	141500	707.5	-	23.31	24.00	1.172			0.04	0.207	0.243
	FR1 n12	15M	BPSK	36	22	Front	5mm	Ant 0	DSI 3	141500	707.5	-	23.26	24.00	1.186			0.10	0.223	0.264
	FR1 n12	15M	BPSK	1	1	Back	5mm	Ant 0	DSI 3	141500	707.5	-	23.31	24.00	1.172			0.08	0.505	0.592
	FR1 n12	15M	BPSK	36	22	Back	5mm	Ant 0	DSI 3	141500	707.5	-	23.26	24.00	1.186			0.01	0.507	0.601
	FR1 n12	15M	BPSK	1	1	Front	5mm	Ant 1	DSI 3	141500	707.5	-	19.35	20.60	1.334			0.06	0.210	0.280
	FR1 n12	15M	BPSK	36	22	Front	5mm	Ant 1	DSI 3	141500	707.5	-	19.34	20.60	1.337			0.09	0.229	0.306
	FR1 n12	15M	BPSK	1	1	Back Right	5mm	Ant 1	DSI 3	141500	707.5	-	19.35	20.60	1.334			0.10	0.791	1.055
92	FR1 n12	15M	BPSK	36	22	Back Right	5mm	Ant 1	DSI 3	141500	707.5	-	19.34	20.60	1.337			-0.07	0.833	1.114
	FR1 n12	15M	BPSK	75	0	Back Right	5mm	Ant 1	DSI 3	141500	707.5	-	19.23	20.60	1.371			0.00	0.792	1.086
	FR1 n12	15M	BPSK	1	1	Back 1	5mm	Ant 1	DSI 3	141500	707.5	-	19.35	20.60	1.334			-0.09	0.513	0.684
	FR1 n12	15M	BPSK	36	22	Back 1	5mm	Ant 1	DSI 3	141500	707.5	-	19.34	20.60	1.337			-0.00	0.501	0.670
	FR1 n13	10M	BPSK	1	1	Front	5mm	Ant 0	DSI 3	156400	782	-	23.52	24.00	1.117			0.14	0.256	0.286
	FR1 n13	10M	BPSK	25	14	Front	5mm	Ant 0	DSI 3	156400	782	-	23.48	24.00	1.127			0.04	0.250	0.282
	FR1 n13	10M	BPSK	1	1	Back	5mm	Ant 0	DSI 3	156400	782	-	23.52	24.00	1.117			0.01	0.629	0.703
	FR1 n13	10M	BPSK	25	14	Back	5mm	Ant 0	DSI 3	156400	782	-	23.48	24.00	1.127			0.04	0.605	0.682
	FR1 n13	10M	BPSK	1	1	Front	5mm	Ant 1	DSI 3	156400	782	-	20.45	21.80	1.365			-0.04	0.304	0.415
	FR1 n13	10M	BPSK	25	14	Front	5mm	Ant 1	DSI 3	156400	782	-	20.43	21.80	1.371			-0.09	0.284	0.389
	FR1 n13	10M	BPSK	1	1	Back Right	5mm	Ant 1	DSI 3	156400	782	-	20.45	21.80	1.365			0.18	0.944	1.289
93	FR1 n13	10M	BPSK	25	14	Back Right	5mm	Ant 1	DSI 3	156400	782	-	20.43	21.80	1.371			-0.01	0.969	1.328
	FR1 n13	10M	BPSK	50	0	Back Right	5mm	Ant 1	DSI 3	156400	782	-	20.36	21.80	1.393			0.07	0.944	1.315
	FR1 n13	10M	BPSK	1	1	Back 1	5mm	Ant 1	DSI 3	156400	782	-	20.45	21.80	1.365			0.03	0.813	1.110
	FR1 n13	10M	BPSK	25	14	Back 1	5mm	Ant 1	DSI 3	156400	782	-	20.43	21.80	1.371			-0.18	0.951	1.304
	FR1 n13	10M	BPSK	50	0	Back 1	5mm	Ant 1	DSI 3	156400	782	-	20.36	21.80	1.393			0.01	0.933	1.300
	FR1 n13	10M	BPSK	1	1	Back Right	5mm	Ant 1	DSI 3	156400	782	Headset	20.45	21.80	1.365			0.01	0.936	1.278
	FR1 n14	10M	BPSK	1	1	Front	5mm	Ant 0	DSI 3	158600	793	-	23.47	24.00	1.13			0.11	0.254	0.287
	FR1 n14	10M	BPSK	25	14	Front	5mm	Ant 0	DSI 3	158600	793	-	23.45	24.00	1.135			0.06	0.252	0.286
	FR1 n14	10M	BPSK	1	1	Back	5mm	Ant 0	DSI 3	158600	793	-	23.47	24.00	1.13			-0.11	0.643	0.727
	FR1 n14	10M	BPSK	25	14	Back	5mm	Ant 0	DSI 3	158600	793	-	23.45	24.00	1.135			0.01	0.677	0.768
	FR1 n14	10M	BPSK	1	1	Front	5mm	Ant 1	DSI 3	158600	793	-	20.35	21.40	1.274			-0.09	0.217	0.276
	FR1 n14	10M	BPSK	25	14	Front	5mm	Ant 1	DSI 3	158600	793	-	20.33	21.40	1.279			0.19	0.206	0.263
94	FR1 n14	10M	BPSK	1	1	Back Right	5mm	Ant 1	DSI 3	158600	793	-	20.35	21.40	1.274			0.07	0.867	1.105



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	FR1 n14	10M	BPSK	25	14	Back Right	5mm	Ant 1	DSI 3	158600	793	-	20.33	21.40	1.279			-0.07	0.806	1.031
	FR1 n14	10M	BPSK	50	0	Back Right	5mm	Ant 1	DSI 3	158600	793	-	20.24	21.40	1.306			-0.11	0.786	1.027
	FR1 n14	10M	BPSK	1	1	Back 1	5mm	Ant 1	DSI 3	158600	793	-	20.35	21.40	1.274			-0.05	0.507	0.646
	FR1 n14	10M	BPSK	25	14	Back 1	5mm	Ant 1	DSI 3	158600	793	-	20.33	21.40	1.279			-0.16	0.555	0.710
	FR1 n25	40M	BPSK	1	1	Front	5mm	Ant 3	DSI 3	376500	1882.5	-	18.34	19.30	1.247			0.13	0.287	0.358
	FR1 n25	40M	BPSK	108	54	Front	5mm	Ant 3	DSI 3	376500	1882.5	-	18.31	19.30	1.256			0.07	0.288	0.362
95	FR1 n25	40M	BPSK	1	1	Back Top	5mm	Ant 3	DSI 3	376500	1882.5	-	18.34	19.30	1.247			-0.01	1.030	1.284
	FR1 n25	40M	BPSK	108	54	Back Top	5mm	Ant 3	DSI 3	376500	1882.5	-	18.31	19.30	1.256			0.01	0.926	1.163
	FR1 n25	40M	BPSK	216	0	Back Top	5mm	Ant 3	DSI 3	376500	1882.5	-	18.28	19.30	1.265			0.09	0.997	1.261
	FR1 n25	40M	BPSK	1	1	Front	9mm	Ant 3	DSI 4	376500	1882.5	-	23.32	24.00	1.169			-0.05	0.510	0.596
	FR1 n25	40M	BPSK	108	54	Front	9mm	Ant 3	DSI 4	376500	1882.5	-	23.20	24.00	1.202			0.13	0.490	0.589
	FR1 n25	40M	BPSK	1	1	Back Top	13mm	Ant 3	DSI 4	376500	1882.5	-	23.32	24.00	1.169			0.02	0.495	0.579
	FR1 n25	40M	BPSK	108	54	Back Top	13mm	Ant 3	DSI 4	376500	1882.5	-	23.20	24.00	1.202			0.03	0.474	0.570
	FR1 n25	40M	BPSK	1	1	Back Top	5mm	Ant 3	DSI 3	376500	1882.5	Headset	18.34	19.30	1.247			0.01	0.989	1.233
	FR1 n25	40M	BPSK	1	1	Front	5mm	Ant 2	DSI 3	376500	1882.5	-	18.78	20.20	1.387			0.03	0.175	0.243
	FR1 n25	40M	BPSK	108	54	Front	5mm	Ant 2	DSI 3	376500	1882.5	-	18.76	20.20	1.393			-0.09	0.165	0.230
	FR1 n25	40M	BPSK	1	1	Back	5mm	Ant 2	DSI 3	376500	1882.5	-	18.78	20.20	1.387			-0.04	0.917	1.272
	FR1 n25	40M	BPSK	108	54	Back	5mm	Ant 2	DSI 3	376500	1882.5	-	18.76	20.20	1.393			-0.07	0.861	1.199
	FR1 n25	40M	BPSK	216	0	Back	5mm	Ant 2	DSI 3	376500	1882.5	-	18.74	20.20	1.4			0.05	0.891	1.247
	FR1 n25	40M	BPSK	1	1	Front	9mm	Ant 2	DSI 4	376500	1882.5	-	22.73	24.00	1.34			0.02	0.114	0.153
	FR1 n25	40M	BPSK	108	54	Front	9mm	Ant 2	DSI 4	376500	1882.5	-	22.69	24.00	1.352			0.06	0.106	0.143
	FR1 n25	40M	BPSK	1	1	Back	13mm	Ant 2	DSI 4	376500	1882.5	-	22.73	24.00	1.34			0.09	0.392	0.525
	FR1 n25	40M	BPSK	108	54	Back	13mm	Ant 2	DSI 4	376500	1882.5	-	22.69	24.00	1.352			0.03	0.374	0.506
	FR1 n25	40M	BPSK	1	1	Back	5mm	Ant 2	DSI 3	376500	1882.5	Headset	18.78	20.20	1.387			0.01	0.852	1.182
	FR1 n26	20M	BPSK	1	1	Front	5mm	Ant 0	DSI 3	166300	831.5	-	23.32	24.00	1.169			0.14	0.295	0.345
	FR1 n26	20M	BPSK	50	28	Front	5mm	Ant 0	DSI 3	166300	831.5	-	23.30	24.00	1.175			0.02	0.288	0.338
96	FR1 n26	20M	BPSK	1	1	Back	5mm	Ant 0	DSI 3	166300	831.5	-	23.32	24.00	1.169			0.05	0.759	0.887
	FR1 n26	20M	BPSK	50	28	Back	5mm	Ant 0	DSI 3	166300	831.5	-	23.30	24.00	1.175			-0.00	0.742	0.872
	FR1 n26	20M	BPSK	100	0	Back	5mm	Ant 0	DSI 3	166300	831.5	-	23.28	24.00	1.18			0.14	0.746	0.880
	FR1 n26	20M	BPSK	1	1	Front	5mm	Ant 1	DSI 3	166300	831.5	-	19.47	20.80	1.358			0.04	0.199	0.270
	FR1 n26	20M	BPSK	50	28	Front	5mm	Ant 1	DSI 3	166300	831.5	-	19.44	20.80	1.368			-0.08	0.189	0.259
	FR1 n26	20M	BPSK	1	1	Back Right	5mm	Ant 1	DSI 3	166300	831.5	-	19.47	20.80	1.358			-0.05	0.614	0.834
	FR1 n26	20M	BPSK	50	28	Back Right	5mm	Ant 1	DSI 3	166300	831.5	-	19.44	20.80	1.368			0.02	0.587	0.803
	FR1 n26	20M	BPSK	100	0	Back Right	5mm	Ant 1	DSI 3	166300	831.5	-	19.32	20.80	1.406			0.17	0.570	0.801
	FR1 n26	20M	BPSK	1	1	Back 1	5mm	Ant 1	DSI 3	166300	831.5	-	19.47	20.80	1.358			-0.04	0.490	0.665
	FR1 n26	20M	BPSK	50	28	Back 1	5mm	Ant 1	DSI 3	166300	831.5	-	19.44	20.80	1.368			0.13	0.470	0.643
	FR1 n30	10M	BPSK	1	1	Front	5mm	Ant 3	DSI 3	462000	2310	-	19.45	20.40	1.245			0.08	0.478	0.595
	FR1 n30	10M	BPSK	25	14	Front	5mm	Ant 3	DSI 3	462000	2310	-	19.43	20.40	1.25			-0.15	0.474	0.593
	FR1 n30	10M	BPSK	1	1	Back Top	5mm	Ant 3	DSI 3	462000	2310	-	19.45	20.40	1.245			-0.10	0.870	1.083
	FR1 n30	10M	BPSK	25	14	Back Top	5mm	Ant 3	DSI 3	462000	2310	-	19.43	20.40	1.25			0.07	1.020	1.275
	FR1 n30	10M	BPSK	50	0	Back Top	5mm	Ant 3	DSI 3	462000	2310	-	19.41	20.40	1.256			-0.18	0.967	1.215
	FR1 n30	10M	BPSK	1	1	Front	9mm	Ant 3	DSI 4	462000	2310	-	23.50	24.00	1.122			-0.11	0.415	0.466
	FR1 n30	10M	BPSK	25	14	Front	9mm	Ant 3	DSI 4	462000	2310	-	23.47	24.00	1.13			0.04	0.405	0.458
	FR1 n30	10M	BPSK	1	1	Back Top	13mm	Ant 3	DSI 4	462000	2310	-	23.50	24.00	1.122			0.04	0.368	0.413
	FR1 n30	10M	BPSK	25	14	Back Top	13mm	Ant 3	DSI 4	462000	2310	-	23.47	24.00	1.13			-0.03	0.389	0.440
	FR1 n30	10M	BPSK	1	1	Back Top	5mm	Ant 3	DSI 3	462000	2310	Headset	19.45	20.40	1.245			-0.01	0.958	1.193
	FR1 n30	10M	BPSK	1	1	Front	5mm	Ant 2	DSI 3	462000	2310	-	20.03	21.20	1.309			0.06	0.168	0.220
	FR1 n30	10M	BPSK	25	14	Front	5mm	Ant 2	DSI 3	462000	2310	-	20.01	21.20	1.315			-0.18	0.157	0.206
	FR1 n30	10M	BPSK	1	1	Back	5mm	Ant 2	DSI 3	462000	2310	-	20.03	21.20	1.309			0.12	0.900	1.178
97	FR1 n30	10M	BPSK	25	14	Back	5mm	Ant 2	DSI 3	462000	2310	-	20.01	21.20	1.315			0.01	0.979	1.287
	FR1 n30	10M	BPSK	50	0	Back	5mm	Ant 2	DSI 3	462000	2310	-	19.96	21.20	1.33			0.12	0.932	1.240
	FR1 n30	10M	BPSK	1	1	Front	9mm	Ant 2	DSI 4	462000	2310	-	23.06	24.00	1.242			-0.07	0.206	0.256
	FR1 n30	10M	BPSK	25	14	Front	9mm	Ant 2	DSI 4	462000	2310	-	23.04	24.00	1.247			0.18	0.206	0.257
	FR1 n30	10M	BPSK	1	1	Back	13mm	Ant 2	DSI 4	462000	2310	-	23.06	24.00	1.242			0.07	0.333	0.414
	FR1 n30	10M	BPSK	25	14	Back	13mm	Ant 2	DSI 4	462000	2310	-	23.04	24.00	1.247			0.03	0.334	0.416
	FR1 n30	10M	BPSK	1	1	Back	5mm	Ant 2	DSI 3	462000	2310	Headset	20.03	21.20	1.309			0.01	0.882	1.155
	FR1 n30	10M	BPSK	1	1	Front	5mm	Ant 4	DSI 3	462000	2310	-	22.25	23.00	1.189			0.13	0.114	0.136
	FR1 n30	10M	BPSK	25	14	Front	5mm	Ant 4	DSI 3	462000	2310	-	22.22	23.00	1.197			-0.09	0.113	0.135
	FR1 n30	10M	BPSK	1	1	Back Right	5mm	Ant 4	DSI 3	462000	2310	-	22.25	23.00	1.189			0.04	0.963	1.145
	FR1 n30	10M	BPSK	25	14	Back Right	5mm	Ant 4	DSI 3	462000	2310	-	22.22	23.00	1.197			0.05	1.050	1.257
	FR1 n30	10M	BPSK	50	0	Back Right	5mm	Ant 4	DSI 3	462000	2310	-	22.17	23.00	1.211			0.04	0.972	1.177
	FR1 n30	10M	BPSK	1	1	Back Right	5mm	Ant 4	DSI 3	462000	2310	Headset	22.25	23.00	1.189			0.08	0.936	1.113
	FR1 n30	10M	BPSK	1	1	Front	5mm	Ant 0	DSI 3	462000	2310	-	22.36	24.00	1.459			0.17	0.118	0.172
	FR1 n30	10M	BPSK	25	14	Front	5mm	Ant 0	DSI 3	462000	2310	-	22.34	24.00	1.466			0.10	0.138	0.202
	FR1 n30	10M	BPSK	1	1	Back	5mm	Ant 0	DSI 3	462000	2310	-	22.36	24.00	1.459			0.10	0.713	1.040
	FR1 n30	10M	BPSK	25	14	Back	5mm	Ant 0	DSI 3	462000	2310	-	22.34	24.00	1.466			-0.09	0.663	0.972
	FR1 n30	10M	BPSK	50	0	Back	5mm	Ant 0	DSI 3	462000	2310	-	22.28	24.00	1.486			0.01	0.717	1.065
	FR1 n66	45M	BPSK	1	1	Front	5mm	Ant 3	DSI 3	349000	1745	-	20.09	21.20	1.291			0.12	0.204	0.263
	FR1 n66	45M	BPSK	120	60	Front	5mm	Ant 3	DSI 3	349000	1745	-	20.07	21.20	1.297			0.00	0.253	0.328
	FR1 n66	45M	BPSK	1	1	Back Top	5mm	Ant 3	DSI 3	349000	1745	-	20.09	21.20	1.291			-0.14	0.877	1.132
	FR1 n66	45M	BPSK	120	60	Back Top	5mm	Ant 3	DSI 3	349000	1745	-	20.07	21.20	1.297			0.07	0.978	1.268
	FR1 n66	45M	BPSK	240	0	Back Top	5mm	Ant 3	DSI 3	349000	1745	-	19.95	21.20	1.334			-0.07	0.941	1.255
	FR1 n66	45M	BPSK	1																



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	FR1 n66	45M	BPSK	120	60	Front	9mm	Ant 3	DSI 4	349000	1745	-	23.58	24.00	1.102			0.09	0.394	0.434
	FR1 n66	45M	BPSK	1	1	Back Top	13mm	Ant 3	DSI 4	349000	1745	-	23.62	24.00	1.091			-0.08	0.376	0.410
	FR1 n66	45M	BPSK	120	60	Back Top	13mm	Ant 3	DSI 4	349000	1745	-	23.58	24.00	1.102			0.01	0.432	0.476
	FR1 n66	45M	BPSK	1	1	Back Top	5mm	Ant 3	DSI 3	349000	1745	Headset	20.09	21.20	1.291			0.02	0.872	1.126
	FR1 n66	45M	BPSK	1	1	Front	5mm	Ant 2	DSI 3	349000	1745	-	19.49	20.90	1.384			-0.11	0.175	0.242
	FR1 n66	45M	BPSK	120	60	Front	5mm	Ant 2	DSI 3	349000	1745	-	19.47	20.90	1.39			0.11	0.173	0.240
98	FR1 n66	45M	BPSK	1	1	Back	5mm	Ant 2	DSI 3	349000	1745	-	19.49	20.90	1.384			0.01	0.928	1.284
	FR1 n66	45M	BPSK	120	60	Back	5mm	Ant 2	DSI 3	349000	1745	-	19.47	20.90	1.39			-0.09	0.893	1.241
	FR1 n66	45M	BPSK	240	0	Back	5mm	Ant 2	DSI 3	349000	1745	-	19.40	20.90	1.413			0.00	0.840	1.187
	FR1 n66	45M	BPSK	1	1	Front	9mm	Ant 2	DSI 4	349000	1745	-	22.99	24.00	1.262			-0.01	0.303	0.382
	FR1 n66	45M	BPSK	120	60	Front	9mm	Ant 2	DSI 4	349000	1745	-	22.95	24.00	1.274			0.17	0.296	0.377
	FR1 n66	45M	BPSK	1	1	Back	13mm	Ant 2	DSI 4	349000	1745	-	22.99	24.00	1.262			0.03	0.522	0.659
	FR1 n66	45M	BPSK	120	60	Back	13mm	Ant 2	DSI 4	349000	1745	-	22.95	24.00	1.274			0.04	0.509	0.648
	FR1 n66	45M	BPSK	120	60	Back	5mm	Ant 2	DSI 3	349000	1745	Headset	19.47	20.90	1.39			-0.13	0.905	1.258
	FR1 n70	15M	BPSK	1	1	Front	5mm	Ant 3	DSI 3	340500	1702.5	-	20.96	21.70	1.186			0.02	0.244	0.289
	FR1 n70	15M	BPSK	36	22	Front	5mm	Ant 3	DSI 3	340500	1702.5	-	20.94	21.70	1.191			0.17	0.290	0.345
	FR1 n70	15M	BPSK	1	1	Back Top	5mm	Ant 3	DSI 3	340500	1702.5	-	20.96	21.70	1.186			-0.05	1.030	1.222
	FR1 n70	15M	BPSK	36	22	Back Top	5mm	Ant 3	DSI 3	340500	1702.5	-	20.94	21.70	1.191			0.04	1.070	1.274
	FR1 n70	15M	BPSK	75	0	Back Top	5mm	Ant 3	DSI 3	340500	1702.5	-	20.91	21.70	1.199			0.03	0.969	1.162
	FR1 n70	15M	BPSK	1	1	Front	9mm	Ant 3	DSI 4	340500	1702.5	-	23.61	24.00	1.094			0.02	0.220	0.241
	FR1 n70	15M	BPSK	36	22	Front	9mm	Ant 3	DSI 4	340500	1702.5	-	23.51	24.00	1.119			0.01	0.219	0.245
	FR1 n70	15M	BPSK	1	1	Back Top	13mm	Ant 3	DSI 4	340500	1702.5	-	23.61	24.00	1.094			0.06	0.362	0.396
	FR1 n70	15M	BPSK	36	22	Back Top	13mm	Ant 3	DSI 4	340500	1702.5	-	23.51	24.00	1.119			0.09	0.341	0.382
	FR1 n70	15M	BPSK	1	1	Back Top	5mm	Ant 3	DSI 3	340500	1702.5	Headset	20.96	21.70	1.186			-0.16	0.982	1.165
	FR1 n70	15M	BPSK	1	1	Front	5mm	Ant 2	DSI 3	340500	1702.5	-	20.67	21.90	1.327			-0.06	0.155	0.206
	FR1 n70	15M	BPSK	36	22	Front	5mm	Ant 2	DSI 3	340500	1702.5	-	20.65	21.90	1.334			0.12	0.172	0.229
	FR1 n70	15M	BPSK	1	1	Back	5mm	Ant 2	DSI 3	340500	1702.5	-	20.67	21.90	1.327			-0.13	0.834	1.107
99	FR1 n70	15M	BPSK	36	22	Back	5mm	Ant 2	DSI 3	340500	1702.5	-	20.65	21.90	1.334			0.02	0.961	1.282
	FR1 n70	15M	BPSK	75	0	Back	5mm	Ant 2	DSI 3	340500	1702.5	-	20.61	21.90	1.346			0.15	0.844	1.136
	FR1 n70	15M	BPSK	1	1	Front	9mm	Ant 2	DSI 4	340500	1702.5	-	23.26	24.00	1.186			0.05	0.219	0.260
	FR1 n70	15M	BPSK	36	22	Front	9mm	Ant 2	DSI 4	340500	1702.5	-	23.18	24.00	1.208			0.01	0.206	0.249
	FR1 n70	15M	BPSK	1	1	Back	13mm	Ant 2	DSI 4	340500	1702.5	-	23.26	24.00	1.186			0.09	0.522	0.619
	FR1 n70	15M	BPSK	36	22	Back	13mm	Ant 2	DSI 4	340500	1702.5	-	23.18	24.00	1.208			0.04	0.517	0.625
	FR1 n70	15M	BPSK	1	1	Back	5mm	Ant 2	DSI 3	340500	1702.5	Headset	20.67	21.90	1.327			0.03	0.825	1.095
	FR1 n71	35M	BPSK	1	1	Front	5mm	Ant 0	DSI 3	136100	680.5	-	23.43	24.00	1.14			-0.03	0.209	0.238
	FR1 n71	35M	BPSK	90	45	Front	5mm	Ant 0	DSI 3	136100	680.5	-	23.41	24.00	1.146			-0.07	0.200	0.229
	FR1 n71	35M	BPSK	1	1	Back	5mm	Ant 0	DSI 3	136100	680.5	-	23.43	24.00	1.14			0.14	0.391	0.446
	FR1 n71	35M	BPSK	90	45	Back	5mm	Ant 0	DSI 3	136100	680.5	-	23.41	24.00	1.146			0.05	0.460	0.527
	FR1 n71	35M	BPSK	1	1	Front	5mm	Ant 1	DSI 3	136100	680.5	-	19.83	21.00	1.309			-0.06	0.114	0.149
	FR1 n71	35M	BPSK	90	45	Front	5mm	Ant 1	DSI 3	136100	680.5	-	19.82	21.00	1.312			0.03	0.160	0.210
	FR1 n71	35M	BPSK	1	1	Back Right	5mm	Ant 1	DSI 3	136100	680.5	-	19.83	21.00	1.309			0.08	0.655	0.857
100	FR1 n71	35M	BPSK	90	45	Back Right	5mm	Ant 1	DSI 3	136100	680.5	-	19.82	21.00	1.312			0.07	0.685	0.899
	FR1 n71	35M	BPSK	180	0	Back Right	5mm	Ant 1	DSI 3	136100	680.5	-	19.76	21.00	1.33			0.12	0.657	0.874
	FR1 n71	35M	BPSK	1	1	Back 1	5mm	Ant 1	DSI 3	136100	680.5	-	19.83	21.00	1.309			0.17	0.334	0.437
	FR1 n71	35M	BPSK	90	45	Back 1	5mm	Ant 1	DSI 3	136100	680.5	-	19.82	21.00	1.312			0.17	0.462	0.606
	FR1 n41	100M	BPSK	1	1	Front	5mm	Ant 3	DSI 3	518598	2592.99	-	16.62	17.50	1.225			0.12	0.581	0.712
	FR1 n41	100M	BPSK	135	69	Front	5mm	Ant 3	DSI 3	518598	2592.99	-	16.59	17.50	1.233			0.05	0.596	0.735
	FR1 n41	100M	BPSK	1	1	Back Top	5mm	Ant 3	DSI 3	518598	2592.99	-	16.62	17.50	1.225			0.01	1.040	1.274
	FR1 n41	100M	BPSK	135	69	Back Top	5mm	Ant 3	DSI 3	518598	2592.99	-	16.59	17.50	1.233			0.03	0.949	1.170
	FR1 n41	100M	BPSK	270	0	Back Top	5mm	Ant 3	DSI 3	518598	2592.99	-	16.55	17.50	1.245			0.19	1.000	1.245
	FR1 n41_HPUE	100M	BPSK	1	1	Back Top	5mm	Ant 3	DSI 3	518598	2592.99	-	19.46	20.50	1.271	50.0	1.0	-0.11	0.999	1.270
	FR1 n41	100M	BPSK	1	1	Front	9mm	Ant 3	DSI 4	518598	2592.99	-	22.56	23.50	1.242			0.01	0.685	0.851
	FR1 n41	100M	BPSK	135	69	Front	9mm	Ant 3	DSI 4	518598	2592.99	-	22.52	23.50	1.253			0.02	0.629	0.788
	FR1 n41	100M	BPSK	1	1	Back Top	13mm	Ant 3	DSI 4	518598	2592.99	-	22.56	23.50	1.242			0.04	0.614	0.763
	FR1 n41	100M	BPSK	135	69	Back Top	13mm	Ant 3	DSI 4	518598	2592.99	-	22.52	23.50	1.253			0.06	0.603	0.756
	FR1 n41	100M	BPSK	1	1	Back Top	5mm	Ant 3	DSI 3	518598	2592.99	Headset	16.62	17.50	1.225			0.01	0.952	1.166
	FR1 n41_HPUE	100M	BPSK	1	1	Front	9mm	Ant 3	DSI 4	518598	2592.99		25.48	26.50	1.265	50.0	1.0	0.06	0.661	0.836
	FR1 n41	100M	BPSK	1	1	Front	5mm	Ant 2	DSI 3	518598	2592.99	-	18.74	19.80	1.276			0.01	0.229	0.292
	FR1 n41	100M	BPSK	135	69	Front	5mm	Ant 2	DSI 3	518598	2592.99	-	18.69	19.80	1.291			-0.01	0.254	0.328
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 2	DSI 3	518598	2592.99	-	18.74	19.80	1.276			0.03	0.960	1.225
	FR1 n41	100M	BPSK	135	69	Back	5mm	Ant 2	DSI 3	518598	2592.99	-	18.69	19.80	1.291			0.05	0.872	1.126
	FR1 n41	100M	BPSK	270	0	Back	5mm	Ant 2	DSI 3	518598	2592.99	-	18.67	19.80	1.297			-0.01	0.896	1.162
	FR1 n41_HPUE	100M	BPSK	1	1	Back	5mm	Ant 2	DSI 3	518598	2592.99	-	21.78	22.80	1.265	50.0	1.0	-0.06	1.010	1.278
	FR1 n41_HPUE	100M	BPSK	1	1	Back	13mm	Ant 2	DSI 4	518598	2592.99	-	26.35	27.00	1.161	50.0	1.0	0.01	0.591	0.686
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 2	DSI 3	518598	2592.99	Headset	18.74	19.80	1.276			0.13	0.943	1.203
	FR1 n41	100M	BPSK	1	1	Front	9mm	Ant 2	DSI 4	518598	2592.99	-	23.21	24.00	1.199			0.06	0.292	0.350
	FR1 n41	100M	BPSK	135	69	Front	9mm	Ant 2	DSI 4	518598	2592.99	-	23.19	24.00	1.205			0.07	0.570	0.687
	FR1 n41	100M	BPSK	1	1	Back	13mm	Ant 2	DSI 4	518598	2592.99	-	23.21	24.00	1.199			-0.10	0.606	0.727
	FR1 n41	100M	BPSK	135	69	Back	13mm	Ant 2	DSI 4	518598	2592.99	-	23.19	24.00	1.205			-0.13	0.594	0.716
	FR1 n41	100M	BPSK	1	1	Front	5mm	Ant 4	DSI 3	518598	2592.99	-	20.60	21.60	1.259			0.09	0.092	0.116
	FR1 n41	100M	BPSK	135	69	Front	5mm	Ant 4	DSI 3	518598	2592.99	-	20.58	21.60	1.265			0.10	0.107	0.135
101	FR1 n41	100M	BPSK	1	1	Back Right														



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	FR1 n41	100M	BPSK	270	0	Back Right	5mm	Ant 4	DSI 3	518598	2592.99	-	20.54	21.60	1.276			-0.02	0.883	1.127
	FR1 n41_HPUE	100M	BPSK	1	1	Back Right	5mm	Ant 4	DSI 3	518598	2592.99	-	23.39	24.60	1.321	50.0	1.0	-0.05	0.907	1.198
	FR1 n41_HPUE	100M	BPSK	1	1	Back Right	13mm	Ant 4	DSI 4	518598	2592.99	-	25.02	26.00	1.253	50.0	1.0	0.01	0.201	0.252
	FR1 n41	100M	BPSK	1	1	Back Right	5mm	Ant 4	DSI 3	518598	2592.99	Headset	20.60	21.60	1.259			-0.12	0.982	1.236
	FR1 n41	100M	BPSK	1	1	Front	9mm	Ant 4	DSI 4	518598	2592.99	-	22.18	23.00	1.208			0.10	0.089	0.108
	FR1 n41	100M	BPSK	135	69	Front	9mm	Ant 4	DSI 4	518598	2592.99	-	22.15	23.00	1.216			-0.13	0.086	0.105
	FR1 n41	100M	BPSK	1	1	Back Right	13mm	Ant 4	DSI 4	518598	2592.99	-	22.18	23.00	1.208			0.09	0.215	0.260
	FR1 n41	100M	BPSK	135	69	Back Right	13mm	Ant 4	DSI 4	518598	2592.99	-	22.15	23.00	1.216			-0.06	0.190	0.231
	FR1 n41	100M	BPSK	1	1	Front	5mm	Ant 0	DSI 3	518598	2592.99	-	22.71	24.00	1.346			-0.11	0.786	1.058
	FR1 n41	100M	BPSK	135	69	Front	5mm	Ant 0	DSI 3	518598	2592.99	-	22.69	24.00	1.352			0.02	0.338	0.457
	FR1 n41	100M	BPSK	270	0	Front	5mm	Ant 0	DSI 3	518598	2592.99	-	22.61	24.00	1.377			-0.13	0.629	0.866
	FR1 n41_HPUE	100M	BPSK	1	1	Front	5mm	Ant 0	DSI 3	518598	2592.99	-	25.76	27.00	1.33	50.0	1.0	0.12	0.770	1.024
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 0	DSI 3	518598	2592.99	-	22.71	24.00	1.346			-0.17	0.423	0.569
	FR1 n41	100M	BPSK	135	69	Back	5mm	Ant 0	DSI 3	518598	2592.99	-	22.69	24.00	1.352			-0.05	0.365	0.493
	FR1 n48	40M	BPSK	1	1	Front	5mm	Ant 2	DSI 3	641666	3624.99	-	18.77	19.50	1.183			-0.11	0.098	0.116
	FR1 n48	40M	BPSK	50	28	Front	5mm	Ant 2	DSI 3	641666	3624.99	-	18.76	19.50	1.186			0.05	0.104	0.123
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 2	DSI 3	641666	3624.99	-	18.77	19.50	1.183			-0.12	1.040	1.230
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 2	DSI 3	638000	3570	-	18.75	19.50	1.189			-0.15	1.020	1.213
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 2	DSI 3	645332	3679.98	-	18.71	19.50	1.199			0.04	0.986	1.182
102	FR1 n48	40M	BPSK	50	28	Back	5mm	Ant 2	DSI 3	641666	3624.99	-	18.76	19.50	1.186			0.09	1.090	1.293
	FR1 n48	40M	BPSK	50	28	Back	5mm	Ant 2	DSI 3	638000	3570	-	18.74	19.50	1.191			0.14	1.070	1.274
	FR1 n48	40M	BPSK	50	28	Back	5mm	Ant 2	DSI 3	645332	3679.98	-	18.68	19.50	1.208			0.10	1.060	1.280
	FR1 n48	40M	BPSK	100	0	Back	5mm	Ant 2	DSI 3	641666	3624.99	-	18.72	19.50	1.197			0.11	1.030	1.233
	FR1 n48	40M	BPSK	1	1	Front	9mm	Ant 2	DSI 4	641666	3624.99	-	22.75	24.00	1.334			0.02	0.192	0.256
	FR1 n48	40M	BPSK	50	28	Front	9mm	Ant 2	DSI 4	641666	3624.99	-	22.71	24.00	1.346			0.12	0.177	0.238
	FR1 n48	40M	BPSK	1	1	Back	13mm	Ant 2	DSI 4	641666	3624.99	-	22.75	24.00	1.334			0.02	0.407	0.543
	FR1 n48	40M	BPSK	50	28	Back	13mm	Ant 2	DSI 4	641666	3624.99	-	22.71	24.00	1.346			0.01	0.395	0.532
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 2	DSI 3	641666	3624.99	Headset	18.77	19.50	1.183			0.16	0.996	1.178
	FR1 n48	40M	BPSK	1	1	Front	5mm	Ant 4	DSI 3	641666	3624.99	-	20.15	21.30	1.303			0.17	0.081	0.106
	FR1 n48	40M	BPSK	50	28	Front	5mm	Ant 4	DSI 3	641666	3624.99	-	20.13	21.30	1.309			-0.17	0.082	0.107
	FR1 n48	40M	BPSK	1	1	Back Right	5mm	Ant 4	DSI 3	641666	3624.99	-	20.15	21.30	1.303			-0.06	0.930	1.212
	FR1 n48	40M	BPSK	1	1	Back Right	5mm	Ant 4	DSI 3	638000	3570	-	20.11	21.30	1.315			0.18	0.877	1.153
	FR1 n48	40M	BPSK	1	1	Back Right	5mm	Ant 4	DSI 3	645332	3679.98	-	20.09	21.30	1.321			0.12	0.706	0.933
	FR1 n48	40M	BPSK	50	28	Back Right	5mm	Ant 4	DSI 3	641666	3624.99	-	20.13	21.30	1.309			-0.02	0.863	1.130
	FR1 n48	40M	BPSK	50	28	Back Right	5mm	Ant 4	DSI 3	638000	3570	-	20.05	21.30	1.334			-0.03	0.968	1.291
	FR1 n48	40M	BPSK	50	28	Back Right	5mm	Ant 4	DSI 3	645332	3679.98	-	20.08	21.30	1.324			0.04	0.672	0.890
	FR1 n48	40M	BPSK	100	0	Back Right	5mm	Ant 4	DSI 3	641666	3624.99	-	20.10	21.30	1.318			-0.05	0.863	1.137
	FR1 n48	40M	BPSK	1	1	Front	9mm	Ant 4	DSI 4	641666	3624.99	-	23.21	24.00	1.199			0.07	0.132	0.158
	FR1 n48	40M	BPSK	50	28	Front	9mm	Ant 4	DSI 4	641666	3624.99	-	23.19	24.00	1.205			0.16	0.124	0.149
	FR1 n48	40M	BPSK	1	1	Back Right	13mm	Ant 4	DSI 4	641666	3624.99	-	23.21	24.00	1.199			0.18	0.479	0.574
	FR1 n48	40M	BPSK	50	28	Back Right	13mm	Ant 4	DSI 4	641666	3624.99	-	23.19	24.00	1.205			-0.11	0.473	0.570
	FR1 n48	40M	BPSK	1	1	Back Right	5mm	Ant 4	DSI 3	641666	3624.99	Headset	20.15	21.30	1.303			-0.18	0.913	1.190
	FR1 n48	40M	BPSK	1	1	Front	5mm	Ant 6	DSI 3	641666	3624.99	-	19.84	20.40	1.138			0.01	0.130	0.148
	FR1 n48	40M	BPSK	50	28	Front	5mm	Ant 6	DSI 3	641666	3624.99	-	19.82	20.40	1.143			0.12	0.117	0.134
	FR1 n48	40M	BPSK	1	1	Back Top	5mm	Ant 6	DSI 3	641666	3624.99	-	19.84	20.40	1.138			-0.07	1.010	1.149
	FR1 n48	40M	BPSK	1	1	Back Top	5mm	Ant 6	DSI 3	638000	3570	-	19.81	20.40	1.146			-0.11	0.919	1.053
	FR1 n48	40M	BPSK	1	1	Back Top	5mm	Ant 6	DSI 3	645332	3679.98	-	19.77	20.40	1.156			0.15	0.992	1.147
	FR1 n48	40M	BPSK	50	28	Back Top	5mm	Ant 6	DSI 3	641666	3624.99	-	19.82	20.40	1.143			0.00	1.010	1.154
	FR1 n48	40M	BPSK	50	28	Back Top	5mm	Ant 6	DSI 3	638000	3570	-	19.78	20.40	1.153			0.01	1.100	1.268
	FR1 n48	40M	BPSK	50	28	Back Top	5mm	Ant 6	DSI 3	645332	3679.98	-	19.75	20.40	1.161			0.09	1.020	1.184
	FR1 n48	40M	BPSK	100	0	Back Top	5mm	Ant 6	DSI 3	641666	3624.99	-	19.79	20.40	1.151			0.15	1.080	1.243
	FR1 n48	40M	BPSK	1	1	Front	9mm	Ant 6	DSI 4	641666	3624.99	-	23.43	24.00	1.14			-0.18	0.279	0.318
	FR1 n48	40M	BPSK	50	28	Front	9mm	Ant 6	DSI 4	641666	3624.99	-	23.40	24.00	1.148			0.08	0.282	0.324
	FR1 n48	40M	BPSK	1	1	Back Top	13mm	Ant 6	DSI 4	641666	3624.99	-	23.43	24.00	1.14			-0.14	0.438	0.499
	FR1 n48	40M	BPSK	50	28	Back Top	13mm	Ant 6	DSI 4	641666	3624.99	-	23.40	24.00	1.148			0.06	0.408	0.468
	FR1 n48	40M	BPSK	1	1	Back Top	5mm	Ant 6	DSI 3	641666	3624.99	Headset	19.84	20.40	1.138			-0.02	0.914	1.040
	FR1 n48	40M	BPSK	1	1	Front	5mm	Ant 8	DSI 3	641666	3624.99	-	19.06	20.30	1.33			-0.10	0.197	0.262
	FR1 n48	40M	BPSK	50	28	Front	5mm	Ant 8	DSI 3	641666	3624.99	-	19.02	20.30	1.343			0.08	0.167	0.224
	FR1 n48	40M	BPSK	1	1	Back Top	5mm	Ant 8	DSI 3	641666	3624.99	-	19.06	20.30	1.33			-0.06	0.966	1.285
	FR1 n48	40M	BPSK	1	1	Back Top	5mm	Ant 8	DSI 3	638000	3570	-	19.02	20.30	1.343			0.15	0.851	1.143
	FR1 n48	40M	BPSK	1	1	Back Top	5mm	Ant 8	DSI 3	645332	3679.98	-	19.00	20.30	1.349			-0.15	0.841	1.135
	FR1 n48	40M	BPSK	50	28	Back Top	5mm	Ant 8	DSI 3	641666	3624.99	-	19.02	20.30	1.343			-0.16	0.680	0.913
	FR1 n48	40M	BPSK	50	28	Back Top	5mm	Ant 8	DSI 3	638000	3570	-	18.96	20.30	1.361			-0.17	0.883	1.202
	FR1 n48	40M	BPSK	50	28	Back Top	5mm	Ant 8	DSI 3	645332	3679.98	-	18.99	20.30	1.352			-0.16	0.755	1.021
	FR1 n48	40M	BPSK	100	0	Back Top	5mm	Ant 8	DSI 3	641666	3624.99	-	18.92	20.30	1.374			-0.04	0.761	1.046
	FR1 n48	40M	BPSK	1	1	Front	9mm	Ant 8	DSI 4	641666	3624.99	-	23.15	24.00	1.216			0.01	0.273	0.332
	FR1 n48	40M	BPSK	50	28	Front	9mm	Ant 8	DSI 4	641666	3624.99	-	23.11	24.00	1.227			0.04	0.260	0.319
	FR1 n48	40M	BPSK	1	1	Back Top	13mm	Ant 8	DSI 4	641666	3624.99	-	23.15	24.00	1.216			0.11	0.451	0.548
	FR1 n48	40M	BPSK	50	28	Back Top	13mm	Ant 8	DSI 4	641666	3624.99	-	23.11	24.00	1.227			0.06	0.401	0.492
	FR1 n48	40M	BPSK	1	1	Back Top	5mm	Ant 8	DSI 3	641666	3624.99	Headset	19.06	20.30	1.33			-0.01	0.945	1.257
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 2	DSI 3	633332	3499.98	-	18.77	19.50	1.183			0.15	0.128	0.151
	FR1 n77	100M																		



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	FR1 n77	100M	BPSK	135	69	Back	5mm	Ant 2	DSI 3	633332	3499.98	-	18.74	19.50	1.191			-0.05	1.060	1.262
	FR1 n77	100M	BPSK	270	0	Back	5mm	Ant 2	DSI 3	633332	3499.98	-	18.71	19.50	1.199			0.18	1.030	1.235
	FR1 n77_HPUE	100M	BPSK	1	1	Back	5mm	Ant 2	DSI 3	633332	3499.98	-	21.65	22.50	1.216	50.0	1.0	0.07	0.992	1.206
	FR1 n77_HPUE	100M	BPSK	1	1	Back	13mm	Ant 2	DSI 4	633332	3499.98	-	25.63	27.00	1.371	50.0	1.0	0.06	0.501	0.687
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 2	DSI 3	633332	3499.98	Headset	18.77	19.50	1.183			0.07	0.956	1.131
	FR1 n77	100M	BPSK	1	1	Front	9mm	Ant 2	DSI 4	633332	3499.98	-	22.66	24.00	1.361			-0.04	0.193	0.263
	FR1 n77	100M	BPSK	135	69	Front	9mm	Ant 2	DSI 4	633332	3499.98	-	22.64	24.00	1.368			-0.08	0.225	0.308
	FR1 n77	100M	BPSK	1	1	Back	13mm	Ant 2	DSI 4	633332	3499.98	-	22.66	24.00	1.361			0.01	0.529	0.720
	FR1 n77	100M	BPSK	135	69	Back	13mm	Ant 2	DSI 4	633332	3499.98	-	22.64	24.00	1.368			0.03	0.509	0.696
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 4	DSI 3	633332	3499.98	-	19.15	20.20	1.274			0.05	0.091	0.116
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 4	DSI 3	633332	3499.98	-	19.12	20.20	1.282			0.03	0.099	0.127
	FR1 n77	100M	BPSK	1	1	Back Right	5mm	Ant 4	DSI 3	633332	3499.98	-	19.15	20.20	1.274			0.14	0.935	1.191
	FR1 n77	100M	BPSK	135	69	Back Right	5mm	Ant 4	DSI 3	633332	3499.98	-	19.12	20.20	1.282			-0.08	0.923	1.183
	FR1 n77	100M	BPSK	270	0	Back Right	5mm	Ant 4	DSI 3	633332	3499.98	-	19.00	20.20	1.318			0.08	0.965	1.272
	FR1 n77_HPUE	100M	BPSK	270	0	Back Right	5mm	Ant 4	DSI 4	633332	3499.98	-	22.07	23.20	1.297	50.0	1.0	0.05	0.929	1.205
	FR1 n77	100M	BPSK	1	1	Front	9mm	Ant 4	DSI 4	633332	3499.98	-	23.23	24.00	1.194			0.02	0.073	0.087
	FR1 n77	100M	BPSK	135	69	Front	9mm	Ant 4	DSI 4	633332	3499.98	-	23.20	24.00	1.202			0.07	0.083	0.100
	FR1 n77	100M	BPSK	1	1	Back Right	13mm	Ant 4	DSI 4	633332	3499.98	-	23.23	24.00	1.194			0.05	0.561	0.670
	FR1 n77	100M	BPSK	135	69	Back Right	13mm	Ant 4	DSI 4	633332	3499.98	-	23.20	24.00	1.202			0.09	0.516	0.620
	FR1 n77_HPUE	100M	BPSK	1	1	Back Right	13mm	Ant 4	DSI 4	633332	3499.98	-	26.23	27.00	1.194	50.0	1.0	0.01	0.543	0.648
	FR1 n77	100M	BPSK	1	1	Back Right	5mm	Ant 4	DSI 3	633332	3499.98	Headset	19.15	20.20	1.274			0.03	0.922	1.175
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 6	DSI 3	633332	3499.98	-	18.25	19.40	1.303			0.07	0.127	0.165
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 6	DSI 3	633332	3499.98	-	18.21	19.40	1.315			-0.06	0.102	0.134
	FR1 n77	100M	BPSK	1	1	Back Top	5mm	Ant 6	DSI 3	633332	3499.98	-	18.25	19.40	1.303			0.04	0.801	1.044
	FR1 n77	100M	BPSK	135	69	Back Top	5mm	Ant 6	DSI 3	633332	3499.98	-	18.21	19.40	1.315			0.19	0.598	0.786
	FR1 n77	100M	BPSK	270	0	Back Top	5mm	Ant 6	DSI 3	633332	3499.98	-	18.15	19.40	1.334			0.01	0.642	0.856
	FR1 n77_HPUE	100M	BPSK	1	1	Back Top	5mm	Ant 6	DSI 3	633332	3499.98	-	21.23	22.40	1.309	50.0	1.0	-0.16	0.760	0.995
	FR1 n77	100M	BPSK	1	1	Front	9mm	Ant 6	DSI 4	633332	3499.98	-	23.34	24.00	1.164			0.11	0.394	0.459
	FR1 n77	100M	BPSK	135	69	Front	9mm	Ant 6	DSI 4	633332	3499.98	-	23.24	24.00	1.191			0.08	0.391	0.466
	FR1 n77	100M	BPSK	1	1	Back Top	13mm	Ant 6	DSI 4	633332	3499.98	-	23.34	24.00	1.164			0.06	0.520	0.605
	FR1 n77	100M	BPSK	135	69	Back Top	13mm	Ant 6	DSI 4	633332	3499.98	-	23.24	24.00	1.191			0.17	0.494	0.588
	FR1 n77_HPUE	100M	BPSK	1	1	Back Top	13mm	Ant 6	DSI 4	633332	3499.98	-	26.36	27.00	1.159	50.0	1.0	0.01	0.499	0.578
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 8	DSI 3	633332	3499.98	-	17.89	18.90	1.262			0.16	0.121	0.153
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 8	DSI 3	633332	3499.98	-	17.87	18.90	1.268			0.09	0.115	0.146
	FR1 n77	100M	BPSK	1	1	Back Top	5mm	Ant 8	DSI 3	633332	3499.98	-	17.89	18.90	1.262			0.08	0.698	0.881
	FR1 n77	100M	BPSK	135	69	Back Top	5mm	Ant 8	DSI 3	633332	3499.98	-	17.87	18.90	1.268			-0.13	0.648	0.822
	FR1 n77	100M	BPSK	270	0	Back Top	5mm	Ant 8	DSI 3	633332	3499.98	-	17.86	18.90	1.271			0.07	0.670	0.852
	FR1 n77_HPUE	100M	BPSK	1	1	Back Top	5mm	Ant 8	DSI 3	633332	3499.98	-	20.88	21.90	1.265	50.0	1.0	-0.12	0.672	0.850
	FR1 n77	100M	BPSK	1	1	Front	9mm	Ant 8	DSI 4	633332	3499.98	-	21.53	21.90	1.089			-0.11	0.354	0.386
	FR1 n77	100M	BPSK	135	69	Front	9mm	Ant 8	DSI 4	633332	3499.98	-	21.49	21.90	1.099			0.06	0.331	0.364
	FR1 n77	100M	BPSK	1	1	Back Top	13mm	Ant 8	DSI 4	633332	3499.98	-	21.53	21.90	1.089			0.11	0.497	0.541
	FR1 n77	100M	BPSK	135	69	Back Top	13mm	Ant 8	DSI 4	633332	3499.98	-	21.49	21.90	1.099			-0.05	0.445	0.489
	FR1 n77_HPUE	100M	BPSK	1	1	Back Top	13mm	Ant 8	DSI 4	633332	3499.98	-	24.58	24.90	1.076	50.0	1.0	0.06	0.468	0.504
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 2	DSI 3	656000	3840	-	18.91	19.50	1.146			-0.13	0.099	0.113
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 2	DSI 3	656000	3840	-	18.89	19.50	1.151			-0.08	0.091	0.105
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 2	DSI 3	656000	3840	-	18.91	19.50	1.146			0.00	0.996	1.141
	FR1 n77	100M	BPSK	135	69	Back	5mm	Ant 2	DSI 3	656000	3840	-	18.89	19.50	1.151			0.02	1.000	1.151
	FR1 n77	100M	BPSK	270	0	Back	5mm	Ant 2	DSI 3	656000	3840	-	18.83	19.50	1.167			-0.06	0.928	1.083
	FR1 n77_HPUE	100M	BPSK	135	69	Back	5mm	Ant 2	DSI 3	656000	3840	-	21.88	22.50	1.153	50.0	1.0	0.01	0.995	1.147
	FR1 n77	100M	BPSK	1	1	Front	9mm	Ant 2	DSI 4	656000	3840	-	22.87	24.00	1.297			0.01	0.223	0.289
	FR1 n77	100M	BPSK	135	69	Front	9mm	Ant 2	DSI 4	656000	3840	-	22.84	24.00	1.306			0.06	0.175	0.229
	FR1 n77	100M	BPSK	1	1	Back	13mm	Ant 2	DSI 4	656000	3840	-	22.87	24.00	1.297			0.11	0.591	0.767
	FR1 n77	100M	BPSK	135	69	Back	13mm	Ant 2	DSI 4	656000	3840	-	22.84	24.00	1.306			0.06	0.529	0.691
	FR1 n77_HPUE	100M	BPSK	1	1	Back	13mm	Ant 2	DSI 4	656000	3840	-	25.86	27.00	1.3	50.0	1.0	0.03	0.571	0.742
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 4	DSI 3	656000	3840	-	19.48	20.20	1.18			0.10	0.119	0.140
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 4	DSI 3	656000	3840	-	19.42	20.20	1.197			0.10	0.133	0.159
	FR1 n77	100M	BPSK	1	1	Back Right	5mm	Ant 4	DSI 3	656000	3840	-	19.48	20.20	1.18			-0.00	0.688	0.812
	FR1 n77	100M	BPSK	135	69	Back Right	5mm	Ant 4	DSI 3	656000	3840	-	19.42	20.20	1.197			0.07	0.725	0.868
	FR1 n77	100M	BPSK	270	0	Back Right	5mm	Ant 4	DSI 3	656000	3840	-	19.35	20.20	1.216			0.04	0.762	0.927
	FR1 n77_HPUE	100M	BPSK	270	0	Back Right	5mm	Ant 4	DSI 3	656000	3840	-	22.26	23.20	1.242	50.0	1.0	-0.08	0.694	0.862
	FR1 n77	100M	BPSK	1	1	Front	9mm	Ant 4	DSI 4	656000	3840	-	23.52	24.00	1.117			0.16	0.092	0.103
	FR1 n77	100M	BPSK	135	69	Front	9mm	Ant 4	DSI 4	656000	3840	-	23.48	24.00	1.127			0.17	0.089	0.100
	FR1 n77	100M	BPSK	1	1	Back Right	13mm	Ant 4	DSI 4	656000	3840	-	23.52	24.00	1.117			0.16	0.357	0.399
	FR1 n77	100M	BPSK	135	69	Back Right	13mm	Ant 4	DSI 4	656000	3840	-	23.48	24.00	1.127			0.06	0.326	0.367
	FR1 n77_HPUE	100M	BPSK	1	1	Back Right	13mm	Ant 4	DSI 4	656000	3840	-	26.44	27.00	1.138	50.0	1.0	0.03	0.338	0.385
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 6	DSI 3	656000	3840	-	18.30	19.40	1.288			0.06	0.079	0.102
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 6	DSI 3	656000	3840	-	18.28	19.40	1.294			-0.14	0.077	0.100
	FR1 n77	100M	BPSK	1	1	Back Top	5mm	Ant 6	DSI 3	656000	3840	-	18.30	19.40	1.288			-0.01	0.823	1.060
	FR1 n77	100M	BPSK	135	69	Back Top	5mm	Ant 6	DSI 3	656000	3840	-	18.28	19.40	1.294			0.01	0.664	0.859
	FR1 n77	100M	BPSK	270	0	Back Top	5mm	Ant 6	DSI 3	656000	3840	-	18.23	19.40	1.309			0.05	0.799	1.046
	FR1 n77_HPUE	100M	BPSK	1	1	Back Top	5mm	Ant 6	DSI 3											



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FR1 n77	100M	BPSK	1	1	Back Top	13mm	Ant 6	DSI 4	656000	3840	-	23.40	24.00	1.148			-0.02	0.389	0.447
FR1 n77	100M	BPSK	135	69	Back Top	13mm	Ant 6	DSI 4	656000	3840	-	23.34	24.00	1.164			-0.15	0.371	0.432
FR1 n77_HPUE	100M	BPSK	1	1	Back Top	13mm	Ant 6	DSI 4	656000	3840	-	26.46	27.00	1.132	50.0	1.0	0.02	0.376	0.426
FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 8	DSI 3	656000	3840	-	17.80	18.90	1.288			0.01	0.185	0.238
FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 8	DSI 3	656000	3840	-	17.79	18.90	1.291			-0.03	0.171	0.221
FR1 n77	100M	BPSK	1	1	Back Top	5mm	Ant 8	DSI 3	656000	3840	-	17.80	18.90	1.288			-0.04	0.967	1.245
FR1 n77	100M	BPSK	135	69	Back Top	5mm	Ant 8	DSI 3	656000	3840	-	17.79	18.90	1.291			-0.14	0.916	1.183
FR1 n77	100M	BPSK	270	0	Back Top	5mm	Ant 8	DSI 3	656000	3840	-	17.74	18.90	1.306			0.14	0.915	1.195
FR1 n77_HPUE	100M	BPSK	1	1	Back Top	5mm	Ant 8	DSI 3	656000	3840	-	20.98	21.90	1.236	50.0	1.0	0.03	0.935	1.156
FR1 n77	100M	BPSK	1	1	Front	9mm	Ant 8	DSI 4	656000	3840	-	21.58	21.90	1.076			-0.12	0.488	0.525
FR1 n77	100M	BPSK	135	69	Front	9mm	Ant 8	DSI 4	656000	3840	-	21.53	21.90	1.089			0.05	0.308	0.335
FR1 n77	100M	BPSK	1	1	Back Top	13mm	Ant 8	DSI 4	656000	3840	-	21.58	21.90	1.076			0.06	0.664	0.714
FR1 n77	100M	BPSK	135	69	Back Top	13mm	Ant 8	DSI 4	656000	3840	-	21.53	21.90	1.089			0.07	0.621	0.676
FR1 n77_HPUE	100M	BPSK	1	1	Back Top	13mm	Ant 8	DSI 4	656000	3840	-	24.61	24.90	1.069	50.0	1.0	0.01	0.629	0.672

MIMO SAR

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	EUT Flip State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n48 HPUE	40M	BPSK	1	1	Front	5mm	Ant 8+4	DSI 3	Close	641666	3624.99	22.07	23.3	1.327	100	1.000	0.14	0.138	0.183
	FR1 n48 HPUE	40M	BPSK	50	28	Front	5mm	Ant 8+4	DSI 3	Close	641666	3624.99	22.03	23.3	1.340	100	1.000	0.12	0.134	0.18
	FR1 n48 HPUE	40M	BPSK	1	1	Back Top	5mm	Ant 8+4	DSI 3	Close	641666	3624.99	22.07	23.3	1.327	100	1.000	-0.05	0.660	0.875
	FR1 n48 HPUE	40M	BPSK	1	1	Back Top	5mm	Ant 8+4	DSI 3	Close	638000	3570	22.03	23.3	1.340	100	1.000	0.01	0.764	1.024
	FR1 n48 HPUE	40M	BPSK	1	1	Back Top	5mm	Ant 8+4	DSI 3	Close	645332	3679.98	22.01	23.3	1.346	100	1.000	0.13	0.735	0.989
	FR1 n48 HPUE	40M	BPSK	50	28	Back Top	5mm	Ant 8+4	DSI 3	Close	641666	3624.99	22.03	23.3	1.340	100	1.000	-0.1	0.839	1.124
	FR1 n48 HPUE	40M	BPSK	50	28	Back Top	5mm	Ant 8+4	DSI 3	Close	638000	3570	21.97	23.3	1.358	100	1.000	0.02	0.613	0.833
	FR1 n48 HPUE	40M	BPSK	50	28	Back Top	5mm	Ant 8+4	DSI 3	Close	645332	3679.98	22.00	23.3	1.349	100	1.000	-0.07	0.793	1.07
	FR1 n48 HPUE	40M	BPSK	100	0	Back Top	5mm	Ant 8+4	DSI 3	Close	641666	3624.99	21.93	23.3	1.371	100	1.000	0.18	0.811	1.112
	FR1 n48 HPUE	40M	BPSK	1	1	Front	9mm	Ant 8+4	DSI 4	Close	641666	3624.99	23.19	24	1.205	100	1.000	-0.05	0.175	0.211
	FR1 n48 HPUE	40M	BPSK	50	28	Front	9mm	Ant 8+4	DSI 4	Close	641666	3624.99	23.16	24	1.213	100	1.000	-0.05	0.172	0.209
	FR1 n48 HPUE	40M	BPSK	1	1	Back Top	13mm	Ant 8+4	DSI 4	Close	641666	3624.99	23.19	24	1.205	100	1.000	-0.12	0.391	0.471
	FR1 n48 HPUE	40M	BPSK	50	28	Back Top	13mm	Ant 8+4	DSI 4	Close	641666	3624.99	23.16	24	1.213	100	1.000	0.03	0.298	0.362
	FR1 n48 HPUE	40M	BPSK	1	1	Front	5mm	Ant 8+6	DSI 3	Close	641666	3624.99	22.07	23.3	1.327	100	1.000	-0.17	0.191	0.253
	FR1 n48 HPUE	40M	BPSK	50	28	Front	5mm	Ant 8+6	DSI 3	Close	641666	3624.99	22.03	23.3	1.340	100	1.000	0.08	0.162	0.217
	FR1 n48 HPUE	40M	BPSK	1	1	Back Top	5mm	Ant 8+6	DSI 3	Close	641666	3624.99	22.07	23.3	1.327	100	1.000	0.17	0.961	1.275
	FR1 n48 HPUE	40M	BPSK	1	1	Back Top	5mm	Ant 8+6	DSI 3	Close	638000	3570	22.03	23.3	1.340	100	1.000	0.02	0.821	1.1
	FR1 n48 HPUE	40M	BPSK	1	1	Back Top	5mm	Ant 8+6	DSI 3	Close	645332	3679.98	22.01	23.3	1.346	100	1.000	0.08	0.801	1.078
	FR1 n48 HPUE	40M	BPSK	50	28	Back Top	5mm	Ant 8+6	DSI 3	Close	641666	3624.99	22.03	23.3	1.340	100	1.000	-0.17	0.623	0.835
	FR1 n48 HPUE	40M	BPSK	50	28	Back Top	5mm	Ant 8+6	DSI 3	Close	638000	3570	21.97	23.3	1.358	100	1.000	-0.18	0.833	1.131
	FR1 n48 HPUE	40M	BPSK	50	28	Back Top	5mm	Ant 8+6	DSI 3	Close	645332	3679.98	22.00	23.3	1.349	100	1.000	-0.03	0.755	1.018
	FR1 n48 HPUE	40M	BPSK	100	0	Back Top	5mm	Ant 8+6	DSI 3	Close	641666	3624.99	21.93	23.3	1.371	100	1.000	0.14	0.761	1.043
	FR1 n48 HPUE	40M	BPSK	1	1	Front	9mm	Ant 8+6	DSI 4	Close	641666	3624.99	23.30	24	1.174	100	1.000	-0.14	0.273	0.321
	FR1 n48 HPUE	40M	BPSK	50	28	Front	9mm	Ant 8+6	DSI 4	Close	641666	3624.99	23.27	24	1.184	100	1.000	-0.17	0.260	0.308
	FR1 n48 HPUE	40M	BPSK	1	1	Back Top	13mm	Ant 8+6	DSI 4	Close	641666	3624.99	23.30	24	1.174	100	1.000	0.17	0.451	0.529
	FR1 n48 HPUE	40M	BPSK	50	28	Back Top	13mm	Ant 8+6	DSI 4	Close	641666	3624.99	23.27	24	1.184	100	1.000	-0.17	0.401	0.475
	FR1 n77 HPUE	100M	BPSK	1	1	Front	5mm	Ant 8+4	DSI 3	Close	633332	3499.98	20.90	21.9	1.259	50	1.000	-0.17	0.121	0.152
	FR1 n77 HPUE	100M	BPSK	135	69	Front	5mm	Ant 8+4	DSI 3	Close	633332	3499.98	20.88	21.9	1.265	50	1.000	-0.18	0.115	0.145
	FR1 n77 HPUE	100M	BPSK	1	1	Back Top	5mm	Ant 8+4	DSI 3	Close	633332	3499.98	20.90	21.9	1.259	50	1.000	-0.15	0.596	0.75
	FR1 n77 HPUE	100M	BPSK	135	69	Back Top	5mm	Ant 8+4	DSI 3	Close	633332	3499.98	20.88	21.9	1.265	50	1.000	-0.14	0.564	0.714
	FR1 n77_PC1.5	100M	BPSK	1	1	Back Top	5mm	Ant 8+4	DSI 3	Close	633332	3499.98	23.89	24.9	1.262	25	1.000	0.04	0.632	0.797
	FR1 n77_HPUE	100M	BPSK	1	1	Front	9mm	Ant 8+4	DSI 4	Close	633332	3499.98	24.54	24.9	1.086	50	1.000	0.19	0.172	0.187
	FR1 n77_HPUE	100M	BPSK	135	69	Front	9mm	Ant 8+4	DSI 4	Close	633332	3499.98	24.50	24.9	1.096	50	1.000	0.03	0.179	0.196
	FR1 n77_HPUE	100M	BPSK	1	1	Back Top	13mm	Ant 8+4	DSI 4	Close	633332	3499.98	24.54	24.9	1.086	50	1.000	0.19	0.386	0.419
	FR1 n77_HPUE	100M	BPSK	135	69	Back Top	13mm	Ant 8+4	DSI 4	Close	633332	3499.98	24.50	24.9	1.096	50	1.000	-0.02	0.344	0.377
	FR1 n77_PC1.5	100M	BPSK	1	1	Back Top	13mm	Ant 8+4	DSI 4	Close	633332	3499.98	27.59	27.9	1.074	25	1.000	0.03	0.365	0.392
	FR1 n77_HPUE	100M	BPSK	1	1	Front	5mm	Ant 8+6	DSI 3	Close	633332	3499.98	20.90	21.9	1.259	50	1.000	-0.03	0.171	0.215
	FR1 n77_HPUE	100M	BPSK	135	69	Front	5mm	Ant 8+6	DSI 3	Close	633332	3499.98	20.88	21.9	1.265	50	1.000	-0.11	0.188	0.238
	FR1 n77_HPUE	100M	BPSK	1	1	Back Top	5mm	Ant 8+6	DSI 3	Close	633332	3499.98	20.90	21.9	1.259	50	1.000	-0.09	0.725	0.913
	FR1 n77_HPUE	100M	BPSK	135	69	Back Top	5mm	Ant 8+6	DSI 3	Close	633332	3499.98	20.88	21.9	1.265	50	1.000	-0.09	0.505	0.639
	FR1 n77_HPUE	100M	BPSK	270	0	Back Top	5mm	Ant 8+6	DSI 3	Close	633332	3499.98	20.87	21.9	1.268	50	1.000	0.15	0.570	0.723



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FR1 n77_PC1.5	100M	BPSK	1	1	Back Top	5mm	Ant 8+6	DSI 3	Close	633332	3499.98	23.89	24.9	1.262	25	1.000	0.19	0.595	0.751
FR1 n77_HPUE	100M	BPSK	1	1	Front	9mm	Ant 8+6	DSI 4	Close	633332	3499.98	24.54	24.9	1.086	50	1.000	-0.07	0.151	0.163
FR1 n77_HPUE	100M	BPSK	135	69	Front	9mm	Ant 8+6	DSI 4	Close	633332	3499.98	24.50	24.9	1.096	50	1.000	-0.12	0.166	0.181
FR1 n77_HPUE	100M	BPSK	1	1	Back Top	13mm	Ant 8+6	DSI 4	Close	633332	3499.98	24.54	24.9	1.086	50	1.000	-0.04	0.183	0.199
FR1 n77_HPUE	100M	BPSK	135	69	Back Top	13mm	Ant 8+6	DSI 4	Close	633332	3499.98	24.50	24.9	1.096	50	1.000	-0.02	0.181	0.198
FR1 n77_PC1.5	100M	BPSK	1	1	Back Top	13mm	Ant 8+6	DSI 4	Close	633332	3499.98	27.59	27.9	1.074	25	1.000	0.13	0.185	0.199
FR1 n77_HPUE	100M	BPSK	1	1	Front	5mm	Ant 8+4	DSI 3	Close	656000	3840	20.81	21.9	1.285	50	1.000	-0.12	0.123	0.158
FR1 n77_HPUE	100M	BPSK	135	69	Front	5mm	Ant 8+4	DSI 3	Close	656000	3840	20.80	21.9	1.288	50	1.000	0.04	0.118	0.152
FR1 n77_HPUE	100M	BPSK	1	1	Back Top	5mm	Ant 8+4	DSI 3	Close	656000	3840	20.81	21.9	1.285	50	1.000	0.13	0.917	1.178
FR1 n77_HPUE	100M	BPSK	135	69	Back Top	5mm	Ant 8+4	DSI 3	Close	656000	3840	20.80	21.9	1.288	50	1.000	-0.05	0.901	1.16
FR1 n77_HPUE	100M	BPSK	270	0	Back Top	5mm	Ant 8+4	DSI 3	Close	656000	3840	20.75	21.9	1.303	50	1.000	-0.11	0.895	1.166
FR1 n77_PC1.5	100M	BPSK	1	1	Back Top	5mm	Ant 8+4	DSI 3	Close	656000	3840	23.99	24.9	1.233	25	1.000	-0.06	0.893	1.101
FR1 n77_HPUE	100M	BPSK	1	1	Front	9mm	Ant 8+4	DSI 4	Close	656000	3840	24.59	24.9	1.074	50	1.000	0.05	0.129	0.139
FR1 n77_HPUE	100M	BPSK	135	69	Front	9mm	Ant 8+4	DSI 4	Close	656000	3840	24.54	24.9	1.086	50	1.000	0.17	0.132	0.143
FR1 n77_HPUE	100M	BPSK	1	1	Back Top	13mm	Ant 8+4	DSI 4	Close	656000	3840	24.59	24.9	1.074	50	1.000	-0.04	0.349	0.375
FR1 n77_HPUE	100M	BPSK	135	69	Back Top	13mm	Ant 8+4	DSI 4	Close	656000	3840	24.54	24.9	1.086	50	1.000	-0.14	0.392	0.426
FR1 n77_PC1.5	100M	BPSK	1	1	Back Top	13mm	Ant 8+4	DSI 4	Close	656000	3840	27.62	27.9	1.067	25	1.000	0.12	0.413	0.441
FR1 n77_HPUE	100M	BPSK	1	1	Front	5mm	Ant 8+6	DSI 3	Close	656000	3840	20.89	21.9	1.263	50	1.000	-0.17	0.098	0.124
FR1 n77_HPUE	100M	BPSK	135	69	Front	5mm	Ant 8+6	DSI 3	Close	656000	3840	20.78	21.9	1.294	50	1.000	0.12	0.105	0.136
FR1 n77_HPUE	100M	BPSK	1	1	Back Top	5mm	Ant 8+6	DSI 3	Close	656000	3840	20.89	21.9	1.263	50	1.000	0.11	0.781	0.986
FR1 n77_HPUE	100M	BPSK	135	69	Back Top	5mm	Ant 8+6	DSI 3	Close	656000	3840	20.78	21.9	1.294	50	1.000	-0.11	0.817	1.057
FR1 n77_HPUE	100M	BPSK	270	0	Back Top	5mm	Ant 8+6	DSI 3	Close	656000	3840	20.75	21.9	1.303	50	1.000	0.01	0.760	0.99
FR1 n77_PC1.5	100M	BPSK	1	1	Back Top	5mm	Ant 8+6	DSI 3	Close	656000	3840	23.99	24.9	1.233	25	1.000	0.05	0.817	1.007
FR1 n77_HPUE	100M	BPSK	1	1	Front	9mm	Ant 8+6	DSI 4	Close	656000	3840	24.59	24.9	1.074	50	1.000	-0.19	0.155	0.166
FR1 n77_HPUE	100M	BPSK	135	69	Front	9mm	Ant 8+6	DSI 4	Close	656000	3840	24.54	24.9	1.086	50	1.000	-0.16	0.121	0.131
FR1 n77_HPUE	100M	BPSK	1	1	Back Top	13mm	Ant 8+6	DSI 4	Close	656000	3840	24.59	24.9	1.074	50	1.000	0.14	0.316	0.339
FR1 n77_HPUE	100M	BPSK	135	69	Back Top	13mm	Ant 8+6	DSI 4	Close	656000	3840	24.54	24.9	1.086	50	1.000	0.09	0.293	0.318
FR1 n77_PC1.5	100M	BPSK	1	1	Back Top	13mm	Ant 8+6	DSI 4	Close	656000	3840	27.62	27.9	1.067	25	1.000	-0.18	0.335	0.357

UL CA SAR

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 7	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 3	21350	2560	16.32	17.1	1.197	100	1.000	0.02	0.982	1.175
	LTE Band 7	20M	QPSK	1	99	Back	5mm	Ant 2	DSI 3	21100+21298	2535+2554.8	20.8	21.9	1.288	100	1.000	0.05	0.911	1.173
	LTE Band 7	20M	QPSK	1	99	Back Right	5mm	Ant 4	DSI 3	21100+21298	2535+2554.8	21.06	22.2	1.300	100	1.000	0.06	0.897	1.166
	LTE Band 7	20M	QPSK	1	99	Back	5mm	Ant 0	DSI 3	21100+21298	2535+2554.8	22.76	24	1.330	100	1.000	0.07	0.891	1.185
	LTE Band 2	20M	QPSK	1	99	Back Top	5mm	Ant 3	DSI 3	18900+19098	1880+1899.8	17.93	19.1	1.309	100	1.000	0.02	0.895	1.172
	LTE Band 2	20M	QPSK	1	99	Back	5mm	Ant 2	DSI 3	18700+18898	1860+1879.8	19.76	20.8	1.271	100	1.000	0.09	0.909	1.155
	LTE Band 2	20M	QPSK	1	99	Back Right	5mm	Ant 4	DSI 3	18900+19098	1880+1899.8	21.53	22.6	1.279	100	1.000	0.12	0.911	1.165
	LTE Band 2	20M	QPSK	1	99	Back	5mm	Ant 0	DSI 3	18700+18898	1860+1879.8	21.88	22.7	1.208	100	1.000	-0.03	0.914	1.104
	LTE Band 5	10M	QPSK	1	49	Back	5mm	Ant 0	DSI 3	20476+20575	831.6+841.5	22.88	24	1.294	100	1.000	0.01	0.914	1.183
	LTE Band 5	10M	QPSK	1	49	Back Right	5mm	Ant 1	DSI 3	20476+20575	831.6+841.5	19.69	21.4	1.483	100	1.000	-0.04	0.768	1.139
	LTE Band 66	20M	QPSK	1	0	Back Top	5mm	Ant 3	DSI 3	132572+132374	1770+1750.2	18.35	19.5	1.303	100	1.000	0.02	0.912	1.188
	LTE Band 66	20M	QPSK	1	99	Back	5mm	Ant 2	DSI 3	132322+132520	1745+1764.8	19.88	21	1.294	100	1.000	0.09	0.916	1.185
	LTE Band 66	20M	QPSK	1	0	Back Right	5mm	Ant 4	DSI 3	132572+132374	1770+1750.2	21.16	22.3	1.300	100	1.000	0.04	0.908	1.18
	LTE Band 66	20M	QPSK	1	99	Back	5mm	Ant 0	DSI 3	132072+132270	1720+1739.8	19.92	20.8	1.225	100	1.000	0.05	0.897	1.099
	LTE Band 41	20M	QPSK	1	99	Back Top	5mm	Ant 3	DSI 3	40185+40383	2549.5+2569.3	18.35	19.2	1.216	62.9	1.006	0.02	0.891	1.09
	LTE Band 41_HPUE	20M	QPSK	1	99	Back Top	5mm	Ant 3	DSI 3	40185+40383	2549.5+2569.3	20.15	20.8	1.161	42.9	1.009	0.06	0.876	1.026
	LTE Band 41	20M	QPSK	1	99	Back	5mm	Ant 2	DSI 3	40620+40818	2593+2612.8	21.25	22.4	1.303	62.9	1.006	0.14	0.842	1.104
	LTE Band 41_HPUE	20M	QPSK	1	99	Back	5mm	Ant 2	DSI 3	40620+40818	2593+2612.8	22.56	24	1.393	42.9	1.009	0.01	0.824	1.158
	LTE Band 41	20M	QPSK	1	99	Back Right	5mm	Ant 4	DSI 3	41055+41253	2636.5+2656.3	21.75	22.9	1.303	62.9	1.006	0.01	0.877	1.15
	LTE Band 41_HPUE	20M	QPSK	1	99	Back Right	5mm	Ant 4	DSI 3	41055+41253	2636.5+2656.3	23.41	24.5	1.285	42.9	1.009	0.11	0.889	1.153
	LTE Band 41	20M	QPSK	1	99	Back	5mm	Ant 0	DSI 3	41055+41253	2636.5+2656.3	22.81	23.9	1.285	62.9	1.006	-0.03	0.875	1.131
	LTE Band 41_HPUE	20M	QPSK	1	99	Back	5mm	Ant 0	DSI 3	41055+41253	2636.5+2656.3	24.28	25.5	1.324	42.9	1.009	0.02	0.882	1.178
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 2	DSI 3	42990+42792	3540+3520.2	19.63	20.5	1.222	62.9	1.006	0.01	0.926	1.138



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	LTE Band 42	20M	QPSK	1	99	Back Right	5mm	Ant 4	DSI 3	42590+42788	3500+3519.8	22.08	23	1.236	62.9	1.006	0.06	0.924	1.149
	LTE Band 42	20M	QPSK	1	99	Back Top	5mm	Ant 6	DSI 3	42590+42788	3500+3519.8	20.18	20.9	1.180	62.9	1.006	0.03	0.917	1.089
	LTE Band 42	20M	QPSK	1	0	Back Top	5mm	Ant 8	DSI 3	42990+42792	3540+3520.2	18.07	19.3	1.327	62.9	1.006	0.02	0.876	1.169
	LTE Band 42	20M	QPSK	1	99	Back	5mm	Ant 2	DSI 3	43340+43538	3575+3594.8	19.61	20.5	1.227	62.9	1.006	0.14	0.928	1.145
	LTE Band 42	20M	QPSK	1	99	Back Right	5mm	Ant 4	DSI 3	43340+43538	3575+3594.8	21.95	23	1.274	62.9	1.006	0.16	0.792	1.015
	LTE Band 42	20M	QPSK	1	99	Back Top	5mm	Ant 6	DSI 3	43340+43538	3575+3594.8	20.11	20.9	1.199	62.9	1.006	0.02	0.933	1.125
	LTE Band 42	20M	QPSK	1	99	Back Top	5mm	Ant 8	DSI 3	43340+43538	3575+3594.8	18.12	19.3	1.312	62.9	1.006	0.09	0.895	1.181
	LTE Band 48	20M	QPSK	1	99	Back	5mm	Ant 2	DSI 3	55340+55538	3560+3579.8	19.37	20.7	1.358	62.9	1.006	0.05	0.856	1.169
	LTE Band 48	20M	QPSK	1	99	Back Right	5mm	Ant 4	DSI 3	55340+55538	3560+3579.8	21.93	23	1.279	62.9	1.006	0.07	0.901	1.159
	LTE Band 48	20M	QPSK	1	99	Back Top	5mm	Ant 6	DSI 3	56150+56348	3641+3660.8	20	20.9	1.230	62.9	1.006	0.16	0.892	1.104
	LTE Band 48	20M	QPSK	1	99	Back Top	5mm	Ant 8	DSI 3	55340+55538	3560+3579.8	18.61	19.8	1.315	62.9	1.006	0.12	0.884	1.169
	FR1 n41	100M	BPSK	144	129	Back Top	5mm	Ant 3	DSI 3	509598+528582	2547.99+2642.91	16.61	17.5	1.227	100	1.000	0.06	0.986	1.21
	FR1 n41	100M	BPSK	144	129	Back	5mm	Ant 2	DSI 3	509598+528582	2547.99+2642.91	18.93	19.8	1.222	100	1.000	0.01	0.911	1.113
	FR1 n41	100M	BPSK	144	129	Back Right	5mm	Ant 4	DSI 3	509598+528582	2547.99+2642.91	20.71	21.6	1.227	100	1.000	-0.01	0.988	1.212
	FR1 n41	100M	BPSK	144	129	Front	5mm	Ant 0	DSI 3	509598+528582	2547.99+2642.91	22.89	24	1.291	100	1.000	0.04	0.752	0.971
	FR1 n77	100M	BPSK	162	108	Back	5mm	Ant 2	DSI 3	655008+659334	3825.12+3890.01	18.62	19.5	1.225	100	1.000	0.03	0.965	1.182
	FR1 n77	100M	BPSK	162	108	Back Right	5mm	Ant 4	DSI 3	655008+659334	3825.12+3890.01	19.42	20.2	1.197	100	1.000	0.01	0.711	0.851
	FR1 n77_HPUE	100M	BPSK	162	108	Back Right	5mm	Ant 4	DSI 3	655008+659334	3825.12+3890.01	22.34	23.2	1.219	50	1.000	0.08	0.645	0.786
	FR1 n77	100M	BPSK	162	108	Back Top	5mm	Ant 6	DSI 3	655008+659334	3825.12+3890.01	18.62	19.4	1.197	100	1.000	-0.06	0.798	0.955
	FR1 n77	100M	BPSK	162	108	Back Top	5mm	Ant 8	DSI 3	655008+659334	3825.12+3890.01	17.99	18.9	1.233	100	1.000	0.01	0.911	1.123
	FR1 n77_HPUE	100M	BPSK	162	108	Back Top	5mm	Ant 8	DSI 3	655008+659334	3825.12+3890.01	21.05	21.9	1.216	50	1.000	0.08	0.889	1.081

【WLAN 2.4GHz_5GHz SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Headset	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)
104	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 7+11(7)	DSI 3	11	2462	-	19.79	21.30	1.416	97.05	1.03	0.09	0.257	0.375
	WLAN2.4GHz	802.11b 1Mbps	Back Top	5mm	Ant 7+11(7)	DSI 3	11	2462	-	19.79	21.30	1.416	97.05	1.03	-0.01	0.892	1.301
	WLAN2.4GHz	802.11b 1Mbps	Back Top	5mm	Ant 7+11(7)	DSI 3	1	2412	-	19.83	21.30	1.403	97.05	1.03	0.16	0.661	0.955
	WLAN2.4GHz	802.11b 1Mbps	Back Top	5mm	Ant 7+11(7)	DSI 3	6	2437	-	19.72	21.30	1.439	97.05	1.03	0.03	0.842	1.248
	WLAN2.4GHz	802.11b 1Mbps	Back Right	5mm	Ant 7+11(7)	DSI 3	11	2462	-	19.79	21.30	1.416	97.05	1.03	0.09	0.286	0.417
	WLAN2.4GHz	802.11b 1Mbps	Back Left	5mm	Ant 7+11(7)	DSI 3	11	2462	-	19.79	21.30	1.416	97.05	1.03	-0.01	0.821	1.213
	WLAN2.4GHz	802.11b 1Mbps	Back Left	5mm	Ant 7+11(7)	DSI 3	1	2412	-	19.83	21.30	1.403	97.05	1.03	-0.12	0.801	1.158
	WLAN2.4GHz	802.11b 1Mbps	Back Left	5mm	Ant 7+11(7)	DSI 3	6	2437	-	19.72	21.30	1.439	97.05	1.03	0.12	0.820	1.215
	WLAN2.4GHz	802.11g 6Mbps	Back Top	5mm	Ant 7+11(7)	DSI 3	6	2437	-	19.78	21.30	1.419	99.04	1.01	0.10	0.789	1.131
	WLAN2.4GHz	802.11g 6Mbps	Back Left	5mm	Ant 7+11(7)	DSI 3	6	2437	-	19.78	21.30	1.419	99.04	1.01	0.06	0.762	1.092
105	WLAN2.4GHz	802.11b 1Mbps	Front	9mm	Ant 7+11(7)	DSI 4	11	2462	-	20.77	22.50	1.489	97.05	1.03	0.01	0.082	0.126
	WLAN2.4GHz	802.11b 1Mbps	Back Top	13mm	Ant 7+11(7)	DSI 4	11	2462	-	20.77	22.50	1.489	97.05	1.03	0.06	0.244	0.374
	WLAN2.4GHz	802.11b 1Mbps	Back Right	13mm	Ant 7+11(7)	DSI 4	11	2462	-	20.77	22.50	1.489	97.05	1.03	0.04	0.123	0.189
	WLAN2.4GHz	802.11b 1Mbps	Back Left	13mm	Ant 7+11(7)	DSI 4	11	2462	-	20.77	22.50	1.489	97.05	1.03	0.09	0.324	0.497
	WLAN2.4GHz	802.11b 1Mbps	Back Top	5mm	Ant 7+11(7)	DSI 3	11	2462	Headset	19.79	21.30	1.416	97.05	1.03	0.01	0.883	1.288
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	5mm	Ant 6+1(6)	DSI 3	50	5250	-	13.41	15.3	1.545	100	1.000	0.02	0.026	0.04
	WLAN5GHz	802.11ac-VHT160 MCS0	Back Top	5mm	Ant 6+1(6)	DSI 3	50	5250	-	13.41	15.3	1.545	100	1.000	0.03	0.171	0.264
	WLAN5GHz	802.11ac-VHT160 MCS0	Back Right	5mm	Ant 6+1(6)	DSI 3	50	5250	-	13.41	15.3	1.545	100	1.000	0.05	0.481	0.743
	WLAN5GHz	802.11ac-VHT160 MCS0	Back 1	5mm	Ant 6+1(6)	DSI 3	50	5250	-	13.41	15.3	1.545	100	1.000	0.06	0.203	0.314
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	5mm	Ant 6+1(6)	DSI 3	114	5570	-	16.79	18.30	1.416	100.0	1.0	0.19	0.159	0.225
106	WLAN5GHz	802.11ac-VHT160 MCS0	Back Top	5mm	Ant 6+1(6)	DSI 3	114	5570	-	16.79	18.30	1.416	100.0	1.0	0.02	0.610	0.864
	WLAN5GHz	802.11ac-VHT160 MCS0	Back Right	5mm	Ant 6+1(6)	DSI 3	114	5570	-	16.79	18.30	1.416	100.0	1.0	0.01	0.756	1.070
	WLAN5GHz	802.11ac-VHT160 MCS0	Back 1	5mm	Ant 6+1(6)	DSI 3	114	5570	-	16.79	18.30	1.416	100.0	1.0	-0.10	0.324	0.459
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6+1(1)	DSI 3	155	5775	-	17.83	19.40	1.435	100.0	1.0	0.07	0.080	0.115
	WLAN5GHz	802.11ac-VHT80 MCS0	Back Top	5mm	Ant 6+1(1)	DSI 3	155	5775	-	17.83	19.40	1.435	100.0	1.0	0.19	0.673	0.966
	WLAN5GHz	802.11ac-VHT80 MCS0	Back Right	5mm	Ant 6+1(1)	DSI 3	155	5775	-	17.83	19.40	1.435	100.0	1.0	-0.05	0.746	1.071
	WLAN5GHz	802.11ac-VHT80 MCS0	Back 1	5mm	Ant 6+1(1)	DSI 3	155	5775	-	17.83	19.40	1.435	100.0	1.0	-0.03	0.401	0.575
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6+1(1)	DSI 3	155	5775	-	17.83	19.40	1.435	100.0	1.0	0.07	0.080	0.115
	WLAN5GHz	802.11ac-VHT80 MCS0	Back Top	5mm	Ant 6+1(1)	DSI 3	155	5775	-	17.83	19.40	1.435	100.0	1.0	0.19	0.673	0.966
	WLAN5GHz	802.11ac-VHT80 MCS0	Back Right	5mm	Ant 6+1(1)	DSI 3	155	5775	-	17.83	19.40	1.435	100.0	1.0	-0.05	0.746	1.071
	WLAN5GHz	802.11ac-VHT80 MCS0	Back 1	5mm	Ant 6+1(1)	DSI 3	155	5775	-	17.83	19.40	1.435	100.0	1.0	-0.03	0.401	0.575



【Bluetooth SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	1Mbps	Front	5mm	Ant 7	Full Power	39	2441	18.87	20.50	1.455	77.01	1.082	0.09	0.034	0.054
	Bluetooth	1Mbps	Back Top	5mm	Ant 7	Full Power	39	2441	18.87	20.50	1.455	77.01	1.082	-0.09	0.122	0.192
	Bluetooth	1Mbps	Back Right	5mm	Ant 7	Full Power	39	2441	18.87	20.50	1.455	77.01	1.082	0.11	0.047	0.074
	Bluetooth	1Mbps	Front	5mm	Ant 11	Full Power	39	2441	19.41	21.00	1.442	76.66	1.087	-0.15	0.049	0.077
109	Bluetooth	1Mbps	Back Left	5mm	Ant 11	Full Power	39	2441	19.41	21.00	1.442	76.66	1.087	0.09	0.193	0.303

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	EUT Flip State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Measured APD (W/m^2)
	WLAN6GHz	802.11be-EHT320 MCS0	Front	5mm	Ant 6+1(6)	DSI 3	Close	31	6105	11.92	13.8	1.542	100	1.000	-0.03	0.053	0.082	0.216
	WLAN6GHz	802.11be-EHT320 MCS0	Back Top	5mm	Ant 6+1(6)	DSI 3	Close	31	6105	11.92	13.8	1.542	100	1.000	0.01	0.443	0.683	2.950
	WLAN6GHz	802.11be-EHT320 MCS0	Back Top	5mm	Ant 6+1(6)	DSI 3	Close	63	6265	12.24	13.8	1.432	100	1.000	0.06	0.432	0.619	2.760
	WLAN6GHz	802.11be-EHT320 MCS0	Back Top	5mm	Ant 6+1(1)	DSI 3	Close	95	6425	11.94	13.8	1.535	100	1.000	0.03	0.455	0.698	2.840
109	WLAN6GHz	802.11be-EHT320 MCS0	Back Top	5mm	Ant 6+1(1)	DSI 3	Close	127	6585	12.09	14	1.552	100	1.000	0.06	0.585	0.907	3.690
	WLAN6GHz	802.11be-EHT320 MCS0	Back Top	5mm	Ant 6+1(1)	DSI 3	Close	159	6745	11.35	13.3	1.567	100	1.000	0.03	0.562	0.881	3.310
	WLAN6GHz	802.11be-EHT320 MCS0	Back Top	5mm	Ant 6+1(6)	DSI 3	Close	191	6905	11.95	13.8	1.531	100	1.000	0.05	0.498	0.762	2.950
	WLAN6GHz	802.11be-EHT320 MCS0	Back Right	5mm	Ant 6+1(6)	DSI 3	Close	31	6105	11.92	13.8	1.542	100	1.000	0.01	0.356	0.549	1.650
	WLAN6GHz	802.11be-EHT320 MCS0	Back 1	5mm	Ant 6+1(6)	DSI 3	Close	31	6105	11.92	13.8	1.542	100	1.000	-0.07	0.339	0.523	1.260
	WLAN6GHz	802.11be-EHT320 MCS0	Front	5mm	Ant 6+1(1)	DSI 3	Close	127	6585	12.09	14	1.552	100	1.000	0.06	0.049	0.076	0.206
	WLAN6GHz	802.11be-EHT320 MCS0	Back Right	5mm	Ant 6+1(1)	DSI 3	Close	127	6585	12.09	14	1.552	100	1.000	-0.04	0.342	0.531	1.560
	WLAN6GHz	802.11be-EHT320 MCS0	Back 1	5mm	Ant 6+1(1)	DSI 3	Close	127	6585	12.09	14	1.552	100	1.000	0.02	0.322	0.5	1.220
	WLAN6GHz	802.11ax-HE160 MCS0	Front	9mm	Ant 6+1(6)	DSI 4	Close	207	6985	17.2	19	1.514	100	1.000	0.01	0.039	0.059	0.201
	WLAN6GHz	802.11ax-HE160 MCS0	Back Top	13mm	Ant 6+1(6)	DSI 4	Close	207	6985	17.2	19	1.514	100	1.000	0.06	0.467	0.707	3.370
	WLAN6GHz	802.11ax-HE160 MCS0	Back Right	13mm	Ant 6+1(6)	DSI 4	Close	207	6985	17.2	19	1.514	100	1.000	0.02	0.493	0.746	3.260
	WLAN6GHz	802.11ax-HE160 MCS0	Back 1	13mm	Ant 6+1(6)	DSI 4	Close	207	6985	17.2	19	1.514	100	1.000	0.04	0.432	0.654	3.220