FCC SAR Test Report

APPLICANT	:	Xiaomi Communications Co., Ltd.
EQUIPMENT	:	Mobile Phone
BRAND NAME	:	XIAOMI
MODEL NAME	:	22081212UG
FCC ID	:	2AFZZ1212UG
STANDARD	:	FCC 47 CFR Part 2 (2.1093)

We, Sporton International Inc. (Shenzhen), 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. (Shenzhen), the test report shall not be reproduced except in full.

Approved by: Si Zhang

Sporton International Inc. (Shenzhen)
1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055
People's Republic of China

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Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA253108	Rev. 01	Initial issue of report.	Jul. 14, 2022

1. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for **Xiaomi Communications Co., Ltd., Mobile Phone, 22081212UG,** are as follows.

Highest 1g SAR Summary						
Equipment Class	Frequency Band		Head (Separation 0mm)	Hotspot (Separation 10mm)	Body-worn (Separation 15mm)	Highest Simultaneous Transmission 1g SAR (W/kg)
			1g SAR (W/kg)			
Licensed	GSM	GSM850	0.91	0.51	0.32	1.54
		GSM1900	0.65	0.50	0.28	
	WCDMA	WCDMA V	0.84	0.56	0.32	
		WCDMA IV	0.82	0.98	0.60	
		WCDMA II	0.79	1.08	0.75	
	LTE	Band 12	0.90	0.40	0.26	
		Band 17	0.93	0.41	0.26	
		Band 13	0.82	0.48	0.28	
		Band 5	0.97	0.51	0.40	
		Band 26	0.92	0.44	0.34	
		Band 4	0.88	0.95	0.73	
		Band 66	0.79	**1.09**	0.57	
		Band 2	0.63	1.07	0.47	
		Band 25	1.01	0.68	0.51	
		Band 7	**1.08**	0.78	0.59	
		Band 38	0.85	0.82	0.42	
		Band 41	0.97	0.75	0.39	
		Band 42	1.04	0.83	0.78	
		Band 48	1.05	1.01	0.99	
	5G NR	n5	0.85	0.50	0.33	
		n66	0.96	0.85	0.63	
		n7	0.84	0.59	0.68	
		n38	1.02	0.57	0.52	
		n41	0.92	0.67	0.58	
		n77	**1.08**	0.93	0.98	
		n78	**1.08**	1.01	**1.07**	
DTS	WLAN	2.4GHz WLAN	1.02	0.23	0.25	1.54
NII		5GHz WLAN	1.06	0.24	0.44	1.54
DSS	Bluetooth	2.4GHz Bluetooth	0.86	0.26	0.08	1.48

Highest 10g SAR Summary				
Equipment Class	Frequency Band		Product Specific 10g SAR (W/kg) (Separation 0mm)	Highest Simultaneous Transmission 10g SAR (W/kg)
Licensed	WCDMA	WCDMA IV	**2.58**	3.88
		WCDMA II	2.24	
	LTE	Band 4	2.46	
		Band 66	1.94	
		Band 2	2.55	
		Band 25	1.89	
		Band 7	1.22	
		Band 42	2.00	
		Band 48	2.44	
	5G NR	n66	2.49	
		n7	2.18	
		n41	1.36	
		n77	2.50	
		n78	2.56	
NII	WLAN	5GHz WLAN	2.53	3.88
Date of Testing:			2022/6/15 ~ 2022/7/1	

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 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. (Shenzhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Testing Laboratory			
Test Firm	Sporton International Inc. (Shenzhen)		
Test Site Location	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	SAR05-SZ	CN1256	421272

Applicant	
Company Name	Xiaomi Communications Co., Ltd.
Address	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

Manufacturer	
Company Name	Xiaomi Communications Co., Ltd.
Address	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

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
- 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 616217 D04 SAR for laptop and tablets v01r02
- 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

4. Equipment Under Test (EUT) Information

4.1 General Information

Product Feature & Specification	
Equipment Name	Mobile Phone
Brand Name	XIAOMI
Model Name	22081212UG
FCC ID	2AFZZ1212UG
IMEI Code	SIM1: 869678060021220 SIM2: 869678060021238
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 17: 704 MHz ~ 716 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 42: 3450 MHz ~ 3550MHz LTE Band 48: 3550 MHz ~ 3700 MHz LTE Band 66: 1710 MHz ~ 1780 MHz 5G NR n5: 824 MHz ~ 849 MHz 5G NR n7: 2500 MHz ~ 2570 MHz 5G NR n38 : 2570 MHz ~ 2620 MHz 5G NR n41: 2496 MHz ~ 2690 MHz 5G NR n66 : 1710 MHz ~ 1780 MHz 5G NR n77: 3450 MHz ~ 3550 MHz, 3700 MHz ~ 3980 MHz 5G NR n78: 3450 MHz ~ 3550 MHz, 3700 MHz ~ 3800 MHz 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 Bluetooth: 2402 MHz ~ 2480 MHz NFC: 13.56 MHz
Mode	GSM/GPRS/EGPRS RMC/AMR 12.2Kbps HSDPA HSUPA DC-HSDPA HSPA+(16QAM uplink is supported) LTE: QPSK, 16QAM, 64QAM, 256QAM 5G NR : CP-OFDM / DFT-s-OFDM, PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM WLAN 2.4GHz 802.11b/g/n HT20/HT40 WLAN 2.4GHz 802.11ax HE20/HE40 WLAN 5GHz 802.11a/n HT20/HT40 WLAN 5GHz 802.11ac VHT20/VHT40/VHT80/VHT160 WLAN 5GHz 802.11ax HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE NFC:ASK
HW Version	P2

SW Version	MIUI 13
GSM / (E)GPRS Transfer mode	Class B – EUT cannot support Packet Switched and Circuit Switched Network simultaneously but can automatically switch between Packet and Circuit Switched Network.
EUT Stage	Identical Prototype

Remark:

1. This device supports VoIP in GPRS, EGPRS, WCDMA and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
2. This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
3. This device 2.4GHz WLAN/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).
4. This device does not support DTM operation and supports GPRS/EGPRS mode up to multi-slot class 33.
5. This device has NFC operations, the NFC antenna is integrated into the device for this model, therefore, all SAR test were performed with the device which already incorporates the NFC antenna. A diagram showing the location of the antenna can be found in the operational description. According to FCC KDB publication 447498 D01v06, transmitters are consider to be operating simultaneously when there is overlapping transmission, with the exception of transmission during network hand-offs with maximum hand-off duration less than 30 seconds.
6. For dual SIM card mobile has two SIM slots and supports dual SIM dual standby. The WWAN radio transmission will be enabled by either one SIM at a time (single active). After pre-scan two SIM cards power, we found test result of the SIM1 was the worse, so we chose SIM1 slot to perform all tests.
7. There are three samples. The sample 1 is 12+256GB capacity, the sample 2 is 8+256GB capacity and the sample 3 is 8+128GB capacity. According to the differences, we choose sample 1 to perform full test.
8. The device implements Proximity sensors/receiver detect mechanism/hotspot trigger reduced power for the power management for SAR compliance at different exposure conditions (head, body-worn, hotspot, extremity). The device will invoke corresponding work scenarios power level base on frequency bands/antennas, which can refer to appendix E. power table. Full power table and reduced power table (Default Power: full power, DSI 1: receiver on reduced power for head; DSI 5: hotspot on power; DSI 3: P-sensor on for handheld; DSI 4: receiver off/P-sensor off).
9. For WLAN/BT when transmit simultaneous with WWAN, power reduction will be activated to head, hotspot, body-worn and extremity.
10. For 5G NR test, using FTM (Factory Test Mode) to perform SAR with default 100% transmission.
11. 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.
12. 5GNR NSA mode, the power level is the same as 5GNR SA mode, so 5GNR NSA mode and SA mode power table only show one time.
13. 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.
14. 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.
15. 5G NR n78 SA supports HPUE, HPUE power and SAR testing performed separately.
16. 5G NR n78 HPUE with higher power, n78 HPUE SAR can represent power class 3 level SAR.
17. For 5GNR EN-DC mode, standalone SAR performed for 5GNR band with the maximum power, EN-DC SAR summed 5GNR standalone SAR and LTE standalone SAR, the result of EN-DC SAR is more conservatively.
18. The device support DBS (Dual Band Simultaneous) function, when the device 2.4GHz and 5GHz transmit at the same time the module will limit different output power for simultaneous transmission compliance.
19. This device supports 5GNR FR1 bands as following table, including NSA mode and SA mode.

<5G NR>

Mode	Band	Duplex	SCS(KHz)	Bandwidths(BW)
NSA	n5	FDD	15	5, 10, 15, 20
	n7	FDD	15	5, 10, 15, 20, 25, 30, 40
	n66	FDD	15	5, 10, 15, 20, 30, 40
	n38	TDD	30	10, 15, 20, 30, 40
	n41	TDD	30	20, 30, 40, 50, 60, 70, 80, 90, 100
	n78	TDD	30	10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100
SA	n5	FDD	15	5, 10, 15, 20
	n7	FDD	15	5, 10, 15, 20, 25, 30, 40
	n66	FDD	15	5, 10, 15, 20, 30, 40
	n38	TDD	30	10, 15, 20, 30, 40
	n41	TDD	30	20, 30, 40, 50, 60, 70, 80, 90, 100
	n77	TDD	30	10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100

	n78	TDD	30	10, 15, 20, 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	2AFZZ1212UG
Equipment Name	Mobile 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 17: 704 MHz ~ 716 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 42: 3450 MHz ~ 3550MHz LTE Band 48: 3550 MHz ~ 3700 MHz LTE Band 66: 1710 MHz ~ 1780 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 17: 5MHz, 10MHz LTE Band 25:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 26: 1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz LTE Band 38: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 41: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 42: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 48: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 66:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
uplink modulations used	QPSK / 16QAM / 64QAM /256QAM
LTE Voice / Data requirements	Voice and Data
LTE Release Version	R15, Cat18
CA Support	Supported, Uplink and Downlink
LTE MPR permanently built-in by design	**Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3** Modulation | Channel bandwidth / Transmission bandwidth (N_{RB}) | MPR (dB) 1.4 MHz | 3.0 MHz | 5 MHz | 10 MHz | 15 MHz | 20 MHz QPSK: > 5 | > 4 | > 8 | > 12 | > 16 | > 18 | ≤ 1 16 QAM: ≤ 5 | ≤ 4 | ≤ 8 | ≤ 12 | ≤ 16 | ≤ 18 | ≤ 1 16 QAM: > 5 | > 4 | > 8 | > 12 | > 16 | > 18 | ≤ 2 64 QAM: ≤ 5 | ≤ 4 | ≤ 8 | ≤ 12 | ≤ 16 | ≤ 18 | ≤ 2 64 QAM: > 5 | > 4 | > 8 | > 12 | > 16 | > 18 | ≤ 3 256 QAM: ≥ 1 | ≤ 5
LTE A-MPR	In the base station simulator configuration, Network Setting value is set to NS_01 to disable A-MPR during SAR testing and the LTE SAR tests was transmitting on all TTI frames (Maximum TTI)
Spectrum plots for RB configuration	A properly configured base station simulator was used for the SAR and power measurement; therefore, spectrum plots for each RB allocation and offset configuration are not included in the SAR report.
Power reduction applied to satisfy SAR compliance	Yes, when operating in Proximity sensors/receiver detect mechanism/hotspot, head/ body-worn/ hotspot/extremity will trigger reduced power for some bands applied to satisfy SAR compliance, the detail please referred to section 13.
LTE Carrier Aggregation Combinations	Inter-Band and Intra-Band possible combinations and the detail power verification please referred to section 13.
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 4 carriers in the downlink and 2 carriers in the uplink.

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)
L	20407	824.7	20415	825.5	20425	826.5	20450	829
M	20525	836.5	20525	836.5	20525	836.5	20525	836.5
H	20643	848.3	20635	847.5	20625	846.5	20600	844
LTE Band 7								
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	20775	2502.5	20800	2505	20825	2507.5	20850	2510
M	21100	2535	21100	2535	21100	2535	21100	2535
H	21425	2567.5	21400	2565	21375	2562.5	21350	2560
LTE Band 12								
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	23017	699.7	23025	700.5	23035	701.5	23060	704
M	23095	707.5	23095	707.5	23095	707.5	23095	707.5
H	23173	715.3	23165	714.5	23155	713.5	23130	711
LTE Band 13								
	Bandwidth 5 MHz				Bandwidth 10 MHz			
	Channel #		Freq.(MHz)		Channel #		Freq.(MHz)	
L	23205		779.5		23230		782	
M	23230		782					
H	23255		784.5					
LTE Band 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 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)
L	37775	2572.5	37800	2575	37825	2577.5	37850	2580
M	38000	2595	38000	2595	38000	2595	38000	2595
H	38225	2617.5	38200	2615	38175	2612.5	38150	2610
LTE Band 41								
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	39675	2498.5	39700	2501	39725	2503.5	39750	2506
LM	40148	2545.8	40160	2547	40173	2548.3	40185	2549.5
M	40620	2593	40620	2593	40620	2593	40620	2593
HM	41093	2640.3	41080	2639	41068	2637.8	41055	2636.5
H	41565	2687.5	41540	2685	41515	2682.5	41490	2680
LTE Band 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)
L	42115	3452.5	42140	3455	42165	3457.5	42190	3460
M	42590	3500	42590	3500	42590	3500	42590	3500
H	43065	3547.5	43040	3545	43015	3542.5	42990	3540
LTE Band 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)
L	55265	3552.5	55290	3555	55315	3557.5	55340	3560
LM	55810	3607	55815	3607.5	55820	3608	55830	3609
MH	56170	3643	56165	3642.5	56160	3642	56150	3641
H	56715	3697.5	56690	3695	56665	3692.5	56640	3690

4.3 General 5G NR SAR Test and Reporting Considerations

5G NR Information	
Operating Frequency Range of each 5G NR transmission band	5G NR n5: 824 MHz ~ 849 MHz 5G NR n7: 2500 MHz ~ 2570 MHz 5G NR n38 : 2570 MHz ~ 2620 MHz 5G NR n41: 2496 MHz ~ 2690 MHz 5G NR n66 : 1710 MHz ~ 1780 MHz 5G NR n77: 3450 MHz ~ 3550 MHz, 3700 MHz ~ 3980 MHz 5G NR n78: 3450 MHz ~ 3550 MHz, 3700 MHz ~ 3800 MHz
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 n5	LTE B7
LTE Anchor Bands for n7	LTE B66
LTE Anchor Bands for n38	LTE B66
LTE Anchor Bands for n41	LTE B66
LTE Anchor Bands for n66	LTE B2/5/7/12
LTE Anchor Bands for n78	LTE B2/5/7/38/41/66

NR Band 5								
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	165300	826.5	165800	829	166300	831.5	166800	834
M	167300	836.5	167300	836.5	167300	836.5	167300	836.5
H	169300	846.5	168800	844	168300	841.5	167800	839

NR Band 7														
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 40MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	500500	2502.5	501000	2505	501500	2507.5	502000	2510	502500	2512.5	503000	2515	504000	2520
M	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535
H	513500	2567.5	513000	2565	512500	2562.5	512000	2560	511500	2557.5	511000	2555	510000	2550

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

NR Band 38										
	Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 30MHz		Bandwidth 40MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	515004	2575.02	515502	2577.51	516000	2580	517002	2585.01	518004	2590.02
M	519000	2595	519000	2595	519000	2595	519000	2595	519000	2595
H	522996	2614.98	522498	2612.49	522000	2610	520998	2604.99	519996	2599.98

NR Band 41																		
	Bandwidth 20MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth 100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	501204	2506.02	502200	2511	503202	2516.01	504204	2521.02	505200	2526	506202	2531.01	507204	2536.02	508200	2541	509202	2546.01
M	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99
H	535998	2679.99	534996	2674.98	534000	2670	532998	2664.99	531996	2659.98	531000	2655	529998	2649.99	528996	2644.98	528000	2640

<3700 MHz ~ 3980 MHz>

NR Band 77																				
	Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth 100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	647000	3705	647168	3707.52	647334	3710.01	647668	3715.02	648000	3720	648334	3725.01	648668	3730.02	649000	3735	649334	3740.01	649668	3745.02	650000	3750
M	656000	3840	656000	3840	656000	3840	656000	3840.00	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840
H	665000	3975	664832	3972.48	664666	3969.99	664332	3964.98	664000	3960	663666	3954.99	663332	3949.98	663000	3945	662666	3939.99	662332	3934.98	662000	3930

NR Band 78																				
	Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth 100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	647000	3705	647168	3707.52	647334	3710.01	647668	3715.02	648000	3720	648334	3725.01	648668	3730.02	649000	3735	649334	3740.01	649668	3745.02		
M	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750
H	653000	3795	652832	3792.48	652666	3789.99	652332	3784.98	652000	3780	651666	3774.99	651332	3769.98	651000	3765	650666	3759.99	650332	3754.98		

<3450 MHz ~ 3550 MHz>

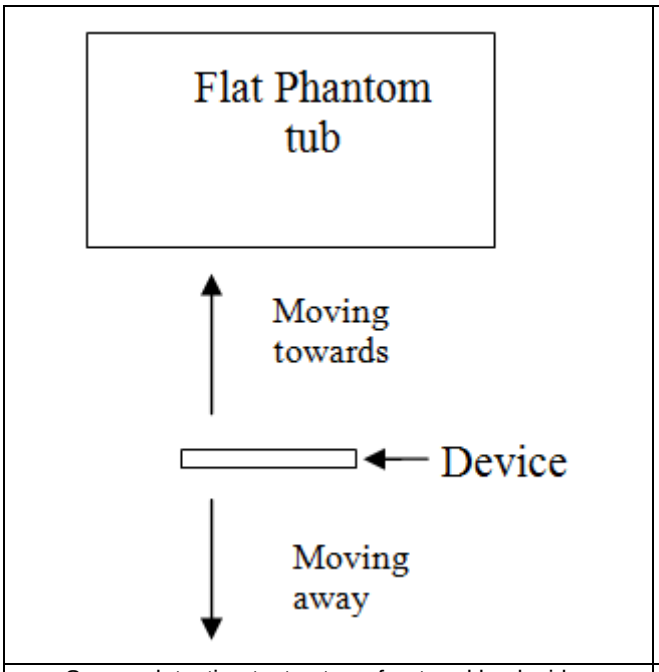
NR Band 77																				
	Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth 100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	630334	3455.01	630500	3457.5	630668	3460.02	631000	3465	631334	3470.01	631668	3475.02	632000	3480	632334	3485.01	632668	3490.02	633000	3495		
M	633334	3500.01	633334	3500.01	633334	3500.01	633334	3500.01	633334	3500.01	633334	3500.01	633334	3500.01	633334	3500.01	633334	3500.01	633334	3500.01	633334	3500.01
H	636332	3544.98	636166	3542.49	636000	3540	635666	3534.99	635332	3529.98	635000	3525	634666	3519.99	634332	3514.98	634000	3510	633666	3504.99		

NR Band 78																				
	Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth 100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	630334	3455.01	630500	3457.5	630668	3460.02	631000	3465	631334	3470.01	631668	3475.02	632000	3480	632334	3485.01	632668	3490.02	633000	3495		
M	633334	3500.01	633334	3500.01	633334	3500.01	633334	3500.01	633334	3500.01	633334	3500.01	633334	3500.01	633334	3500.01	633334	3500.01	633334	3500.01	633334	3500.01
H	636332	3544.98	636166	3542.49	636000	3540	635666	3534.99	635332	3529.98	635000	3525	634666	3519.99	634332	3514.98	634000	3510	633666	3504.99		

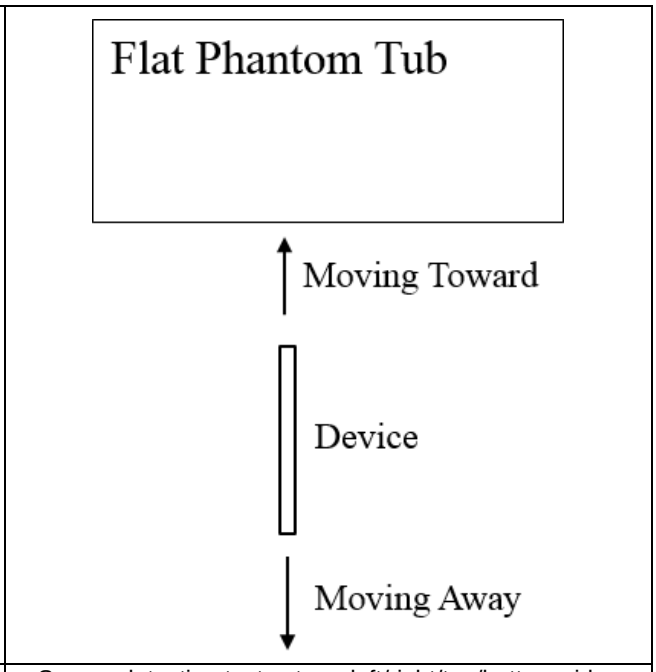
5. Proximity Sensor Triggering Test

5.1 Proximity sensor triggering distances(Per KDB616217§6.2)

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.
2. Proximity sensor triggering distance testing was performed according 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 (3900MHz) and lowest (1750MHz) frequency was used for proximity sensor triggering testing.
3. Capacitive proximity sensor placed coincident with antenna elements at the top/bottom end of the phone are utilized to determine when the device comes in proximity of the user's body or finger or hand at the front or back or bottom or left or right or top side of the device. There is no need to do sensor coverage testing for the proximity sensor is designed to support sufficient detection range and sensitivity to cover regions of the sensors in all applicable directions since the proximity sensor entirely covers the antenna.
4. The sensors can use to detect the proximity of the user's body or handheld states at the front or back or bottom or top or right or left side of the device use a detection threshold distance. When front/back/right/left/top/bottom sides of body or handheld condition is detected reduced power will be active. The trigger distance shown in the sections below. The verification test and more details please refer to sensor operation description.
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.



Sensor detection test set-up, front and back sides



Sensor detection test set-up, left/right/top/bottom sides

<P-Sensor>

<Sensor on for Ant0/2>

Proximity Sensor Triggering Distance (mm)								
Position	Front		Back		Bottom Side		Right Side	
	Moving towards	Moving away	Moving towards	Moving away	Moving towards	Moving away	Moving towards	Moving away
Minimum	16	16	16	16	16	16	16	16

<Sensor on for Ant1/3/4/5/7>

Proximity Sensor Triggering Distance (mm)								
Position	Front		Back		Top Side		Left Side	
	Moving towards	Moving away	Moving towards	Moving away	Moving towards	Moving away	Moving towards	Moving away
Minimum	6	6	6	6	6	6	6	6

6. RF Exposure Limits

6.1 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.

6.2 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. Specific Absorption Rate (SAR)

7.1 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.

7.2 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:

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

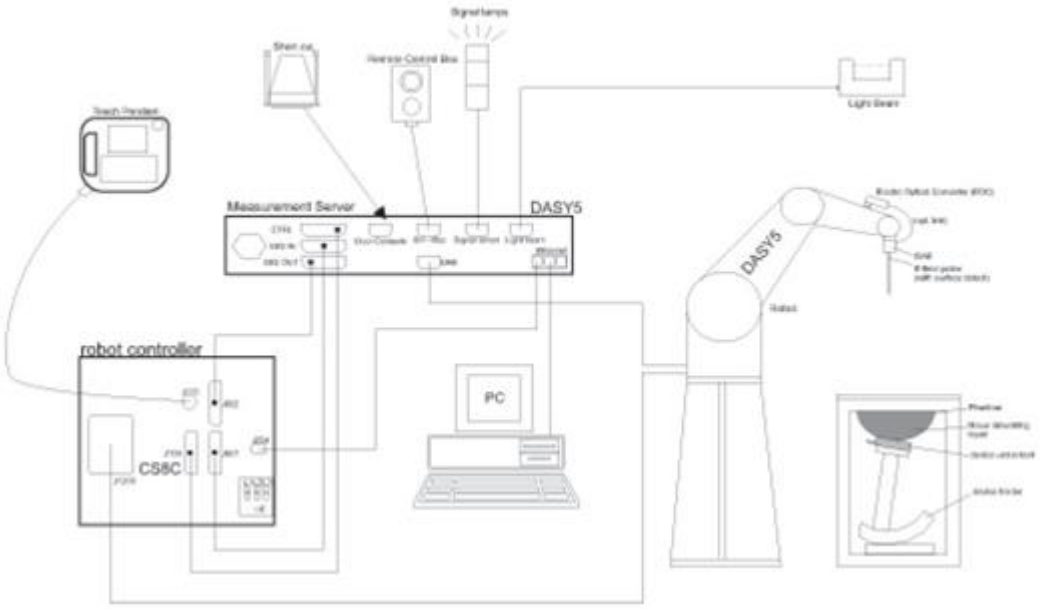
SAR is expressed in units of Watts per kilogram (W/kg)

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

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

8. 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 WinXP or Win7 and the DASY5 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.

8.1 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	10 MHz – >6 GHz Linearity: ±0.2 dB (30 MHz – 6 GHz)
Directivity	±0.3 dB in TSL (rotation around probe axis) ±0.5 dB in TSL (rotation normal to probe axis)
Dynamic Range	10 µW/g – >100 mW/g Linearity: ±0.2 dB (noise: typically <1 µW/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

8.2 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.

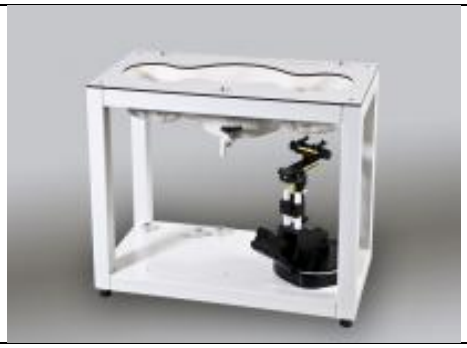
The input impedance of the DAE is 200 MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.

Photo of DAE

8.3 Phantom

<SAM Twin Phantom>

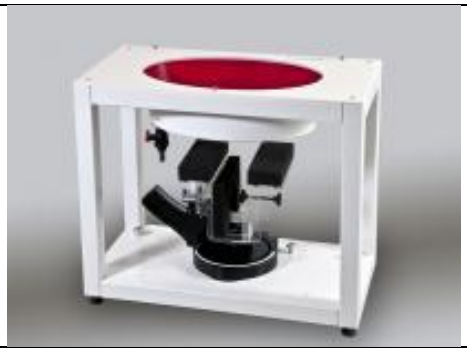
Shell Thickness	2 ± 0.2 mm; Center ear point: 6 ± 0.2 mm
Filling Volume	Approx. 25 liters
Dimensions	Length: 1000 mm; Width: 500 mm; Height: adjustable feet
Measurement Areas	Left Hand, Right Hand, Flat Phantom



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 in the frequency range of 30 MHz to 6 GHz. ELI4 is fully compatible with standard and all known tissue simulating liquids.

8.4 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 heads, the rotation axis is at the ear opening. Transmitter devices can be easily and accurately positioned according to IEC 62209-1, IEEE 1528, FCC, or other specifications. The device holder can be locked for positioning at different phantom sections (left head, right head, flat). And upgrade kit to Mounting Device to enable easy mounting of wider devices like big smart-phones, e-books, small tablets, etc. It holds devices with width up to 140 mm.

Mounting Device for Hand-Held Transmitters

Mounting Device Adaptor for Wide-Phones

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

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

Mounting Device for Laptops

9. 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

9.1 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 form 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

9.2 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.

9.3 Area Scan

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

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

	≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface	5 ± 1 mm	½·δ·ln(2) ± 0.5 mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location	30° ± 1°	20° ± 1°
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 ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	

9.4 Zoom Scan

Zoom scans are used 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 shoes 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: Δx_{Zoom}, Δy_{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: $\Delta z_{Zoom}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{Zoom}(n>1)$: between subsequent points	≤ 1.5·$\Delta z_{Zoom}(n-1)$	
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 *reported* SAR from the *area scan based 1-g SAR estimation* 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.

9.5 Volume Scan Procedures

The volume scan is used for 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.

9.6 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.

10. Test Equipment List

Manufacturer	Name of Equipment	Type/Model	Serial Number	Calibration	
				Last Cal.	Due Date
SPEAG	750MHz System Validation Kit	D750V3	1099	Dec. 15, 2021	Dec. 14, 2022
SPEAG	835MHz System Validation Kit	D835V2	4d162	Dec. 17, 2021	Dec. 16, 2022
SPEAG	1750MHz System Validation Kit	D1750V2	1137	Oct. 19, 2021	Oct. 18, 2022
SPEAG	1900MHz System Validation Kit	D1900V2	5d182	Dec. 20, 2021	Dec. 19, 2022
SPEAG	2450MHz System Validation Kit	D2450V2	924	Sep. 02, 2020	Sep. 01, 2023
SPEAG	2600MHz System Validation Kit	D2600V2	1070	Dec. 20, 2021	Dec. 19, 2022
SPEAG	3500MHz System Validation Kit	D3500V2	1076	May 09, 2022	May 08, 2023
SPEAG	3700MHz System Validation Kit	D3700V2	1037	May 09, 2022	May 08, 2023
SPEAG	3900MHz System Validation Kit	D3900V2	1022	Jul. 11, 2019	Jul. 06, 2022
SPEAG	5000MHz System Validation Kit	D5GHzV2	1341	Dec. 13, 2021	Dec. 12, 2022
SPEAG	Data Acquisition Electronics	DAE4	1437	Oct. 26, 2021	Oct. 25, 2022
SPEAG	Dosimetric E-Field Probe	EX3DV4	7641	Apr. 11, 2022	Apr. 10, 2023
SPEAG	Dosimetric E-Field Probe	EX3DV4	7346	Mar. 30, 2022	Mar. 29, 2023
SPEAG	SAM Twin Phantom	QD 000 P41 AA	2035	NCR	NCR
SPEAG	Phone Positioner	N/A	N/A	NCR	NCR
Anritsu	Radio communication analyzer	MT8820C	6201563813	Dec. 28, 2021	Dec. 27, 2022
Anritsu	Radio communication analyzer	MT8821C	6272416863	Apr. 06, 2022	Apr. 05, 2023
Agilent	Wireless Communication Test Set	E5515C	MY50267224	Jul. 14, 2021	Jul. 13, 2022
Keysight	Network Analyzer	E5071C	MY46523671	Oct. 25, 2021	Oct. 24, 2022
Speag	Dielectric Assessment KIT	DAK-3.5	1071	Jan. 24, 2022	Jan. 23, 2023
Agilent	Signal Generator	N5181A	MY50145381	Dec. 28, 2021	Dec. 27, 2022
Anritsu	Power Senor	MA2411B	1306099	Sep. 29, 2021	Sep. 28, 2022
Anritsu	Power Meter	ML2495A	1349001	Sep. 29, 2021	Sep. 28, 2022
Anritsu	Power Sensor	MA2411B	1542004	Dec. 28, 2021	Dec. 27, 2022
Anritsu	Power Meter	ML2495A	1339473	Dec. 28, 2021	Dec. 27, 2022
R&S	Power Sensor	NRP50S	101254	Apr. 07, 2022	Apr. 06, 2023
R&S	Power Sensor	NRP8S	109228	Apr. 07, 2022	Apr. 06, 2023
R&S	CBT BLUETOOTH TESTER	CBT	100963	Dec. 28, 2021	Dec. 27, 2022
R&S	Spectrum Analyzer	FSP7	100818	Jul. 14, 2021	Jul. 13, 2022
TES	Hygrometer	1310	200505600	Jul. 17, 2021	Jul. 16, 2022
Anymetre	Thermo-Hygrometer	JR593	2020062101	Jul. 17, 2021	Jul. 16, 2022
SPEAG	Device Holder	N/A	N/A	N/A	N/A
AR	Amplifier	5S1G4	0333096	Note 1	
mini-circuits	Amplifier	ZVE-3W-83+	599201528	Note 1	
ARRA	Power Divider	A3200-2	N/A	Note 1	
ET Industries	Dual Directional Coupler	C-058-10	N/A	Note 1	
Weinschel	Attenuator 1	3M-10	N/A	Note 1	
Weinschel	Attenuator 2	3M-20	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.

11. System Verification

11.1 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.

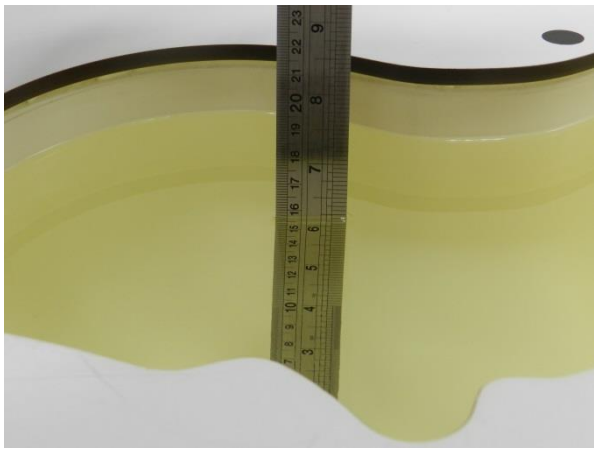


Fig 11.1 Photo of Liquid Height for Head SAR

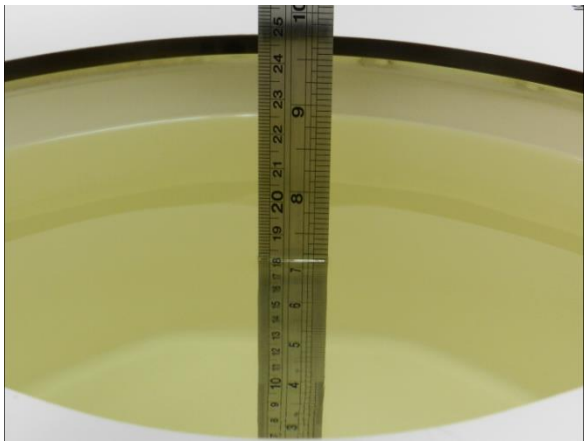


Fig 11.2 Photo of Liquid Height for Body SAR

11.2 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 (εr)
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)	Tissue Type	Liquid Temp. (℃)	Conductivity (σ)	Permittivity (ε_r)	Conductivity Target (σ)	Permittivity Target (ε_r)	Delta (σ) (%)	Delta (ε_r) (%)	Limit (%)	Date
750	Head	22.7	0.875	41.534	0.89	41.90	-1.69	-0.87	±5	2022/6/15
750	Head	22.2	0.886	41.532	0.89	41.90	-0.45	-0.88	±5	2022/6/24
835	Head	22.3	0.904	40.381	0.90	41.50	0.44	-2.70	±5	2022/6/16
835	Head	22.4	0.920	42.227	0.90	41.50	2.22	1.75	±5	2022/6/25
1750	Head	22.9	1.385	39.708	1.37	40.10	1.09	-0.98	±5	2022/6/16
1750	Head	22.7	1.355	38.395	1.37	40.10	-1.09	-4.25	±5	2022/6/21
1750	Head	22.6	1.378	41.340	1.37	40.10	0.58	3.09	±5	2022/6/26
1900	Head	22.7	1.422	41.138	1.40	40.00	1.57	2.85	±5	2022/6/15
1900	Head	22.3	1.415	40.527	1.40	40.00	1.07	1.32	±5	2022/6/24
1900	Head	22.8	1.451	39.099	1.40	40.00	3.64	-2.25	±5	2022/6/27
2450	Head	22.5	1.736	40.751	1.80	39.20	-3.56	3.96	±5	2022/6/18
2450	Head	22.3	1.820	39.753	1.80	39.20	1.11	1.41	±5	2022/6/27
2600	Head	22.2	1.890	40.256	1.96	39.00	-3.57	3.22	±5	2022/6/15
2600	Head	22.6	2.056	37.284	1.96	39.00	4.90	-4.40	±5	2022/6/22
2600	Head	22.5	1.894	40.240	1.96	39.00	-3.37	3.18	±5	2022/6/29
3500	Head	22.6	2.905	39.577	2.91	37.90	-0.17	4.42	±5	2022/6/21
3500	Head	22.7	3.025	36.334	2.91	37.90	3.95	-4.13	±5	2022/6/30
3700	Head	22.6	3.042	36.257	3.12	37.70	-2.50	-3.83	±5	2022/6/22
3700	Head	22.9	3.039	36.561	3.12	37.70	-2.60	-3.02	±5	2022/6/30
3900	Head	22.3	3.196	36.353	3.33	37.51	-4.02	-3.08	±5	2022/6/23
3900	Head	22.4	3.334	37.958	3.33	37.51	0.12	1.19	±5	2022/7/1
5250	Head	22.9	4.701	36.243	4.71	35.95	-0.19	0.82	±5	2022/6/23
5250	Head	22.6	4.597	36.617	4.71	35.95	-2.40	1.86	±5	2022/6/26
5600	Head	22.6	5.199	36.179	5.07	35.50	2.54	1.91	±5	2022/6/24
5600	Head	22.3	5.006	36.080	5.07	35.50	-1.26	1.63	±5	2022/6/27
5750	Head	22.5	5.103	36.744	5.22	35.35	-2.24	3.94	±5	2022/6/24
5750	Head	22.2	5.175	35.814	5.22	35.35	-0.86	1.31	±5	2022/6/28

11.3 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.

<1g SAR>

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 (%)
2022/6/15	750	Head	250	1099	7641	1437	2.020	8.54	8.08	-5.39
2022/6/24	750	Head	250	1099	7641	1437	2.110	8.54	8.44	-1.17
2022/6/16	835	Head	250	4d162	7641	1437	2.560	9.64	10.24	6.22
2022/6/25	835	Head	250	4d162	7641	1437	2.560	9.64	10.24	6.22
2022/6/16	1750	Head	250	1137	7641	1437	8.950	36.50	35.8	-1.92
2022/6/21	1750	Head	250	1137	7641	1437	8.600	36.50	34.4	-5.75
2022/6/26	1750	Head	250	1137	7641	1437	9.230	36.50	36.92	1.15
2022/6/15	1900	Head	250	5d182	7641	1437	9.860	39.60	39.44	-0.40
2022/6/24	1900	Head	250	5d182	7641	1437	9.660	39.60	38.64	-2.42
2022/6/27	1900	Head	250	5d182	7641	1437	10.200	39.60	40.8	3.03
2022/6/18	2450	Head	250	924	7641	1437	13.700	51.40	54.8	6.61
2022/6/27	2450	Head	250	924	7641	1437	12.000	51.40	48	-6.61
2022/6/15	2600	Head	250	1070	7641	1437	15.200	56.20	60.8	8.19
2022/6/22	2600	Head	250	1070	7641	1437	14.800	56.20	59.2	5.34
2022/6/29	2600	Head	250	1070	7641	1437	12.900	56.20	51.6	-8.19
2022/6/21	3500	Head	100	1076	7641	1437	6.290	66.20	62.9	-4.98
2022/6/30	3500	Head	100	1076	7641	1437	7.030	66.20	70.3	6.19
2022/6/22	3700	Head	100	1037	7641	1437	6.620	66.70	66.2	-0.75
2022/6/30	3700	Head	100	1037	7641	1437	6.890	66.70	68.9	3.30
2022/6/23	3900	Head	100	1022	7346	1437	6.400	70.50	64	-9.22
2022/7/1	3900	Head	100	1022	7346	1437	7.420	70.50	74.2	5.25
2022/6/23	5250	Head	100	1341	7641	1437	7.560	80.70	75.6	-6.32
2022/6/26	5250	Head	100	1341	7641	1437	7.450	80.70	74.5	-7.68
2022/6/24	5600	Head	100	1341	7641	1437	8.000	84.50	80	-5.33
2022/6/27	5600	Head	100	1341	7641	1437	7.930	84.50	79.3	-6.15
2022/6/24	5750	Head	100	1341	7641	1437	7.690	80.60	76.9	-4.59
2022/6/28	5750	Head	100	1341	7641	1437	7.560	80.60	75.6	-6.20

<10g SAR>

Date	Frequency (MHz)	Tissue Type	Input Power (mW)	Dipole S/N	Probe S/N	DAE S/N	Measured 10g SAR (W/kg)	Targeted 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (%)
2022/6/15	750	Head	250	1099	7641	1437	1.340	5.65	5.36	-5.13
2022/6/24	750	Head	250	1099	7641	1437	1.430	5.65	5.72	1.24
2022/6/16	835	Head	250	4d162	7641	1437	1.520	6.26	6.08	-2.88
2022/6/25	835	Head	250	4d162	7641	1437	1.450	6.26	5.8	-7.35
2022/6/16	1750	Head	250	1137	7641	1437	5.060	19.20	20.24	5.42
2022/6/21	1750	Head	250	1137	7641	1437	4.640	19.20	18.56	-3.33
2022/6/26	1750	Head	250	1137	7641	1437	4.630	19.20	18.52	-3.54
2022/6/15	1900	Head	250	5d182	7641	1437	4.650	20.20	18.6	-7.92
2022/6/24	1900	Head	250	5d182	7641	1437	5.000	20.20	20	-0.99
2022/6/27	1900	Head	250	5d182	7641	1437	4.760	20.20	19.04	-5.74
2022/6/18	2450	Head	250	924	7641	1437	6.180	24.00	24.72	3.00
2022/6/27	2450	Head	250	924	7641	1437	5.600	24.00	22.4	-6.67
2022/6/15	2600	Head	250	1070	7641	1437	6.580	24.60	26.32	6.99
2022/6/22	2600	Head	250	1070	7641	1437	5.770	24.60	23.08	-6.18
2022/6/29	2600	Head	250	1070	7641	1437	5.580	24.60	22.32	-9.27
2022/6/21	3500	Head	100	1076	7641	1437	2.500	25.50	25	-1.96
2022/6/30	3500	Head	100	1076	7641	1437	2.420	25.50	24.2	-5.10
2022/6/22	3700	Head	100	1037	7641	1437	2.420	24.60	24.2	-1.63
2022/6/30	3700	Head	100	1037	7641	1437	2.350	24.60	23.5	-4.47
2022/6/23	3900	Head	100	1022	7346	1437	2.230	24.60	22.3	-9.35
2022/7/1	3900	Head	100	1022	7346	1437	2.530	24.60	25.3	2.85
2022/6/23	5250	Head	100	1341	7641	1437	2.430	23.10	24.3	5.19
2022/6/26	5250	Head	100	1341	7641	1437	2.260	23.10	22.6	-2.16
2022/6/24	5600	Head	100	1341	7641	1437	2.190	24.00	21.9	-8.75
2022/6/27	5600	Head	100	1341	7641	1437	2.340	24.00	23.4	-2.50
2022/6/24	5750	Head	100	1341	7641	1437	2.300	22.70	23	1.32
2022/6/28	5750	Head	100	1341	7641	1437	2.310	22.70	23.1	1.76

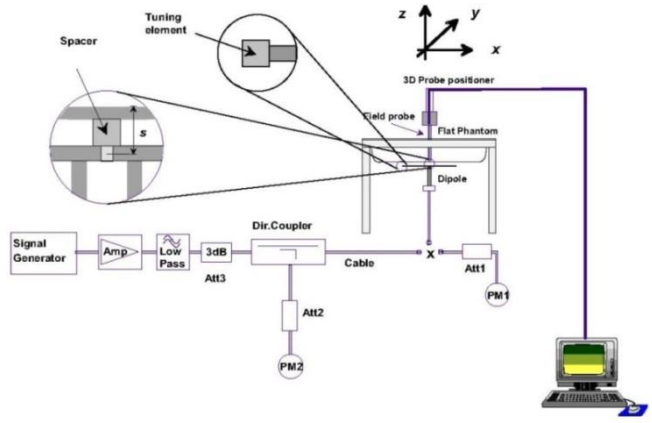


Fig 11.3.1 System Performance Check Setup

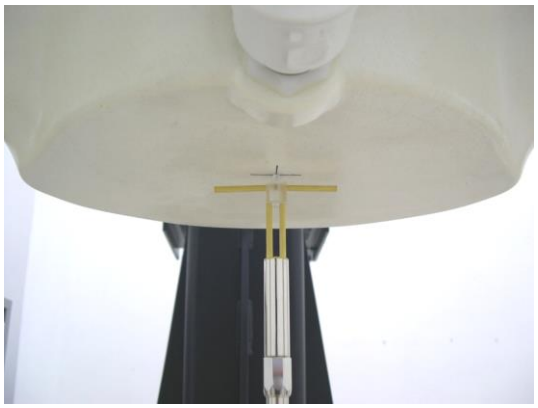


Fig 11.3.2 Setup Photo

12. RF Exposure Positions

12.1 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.

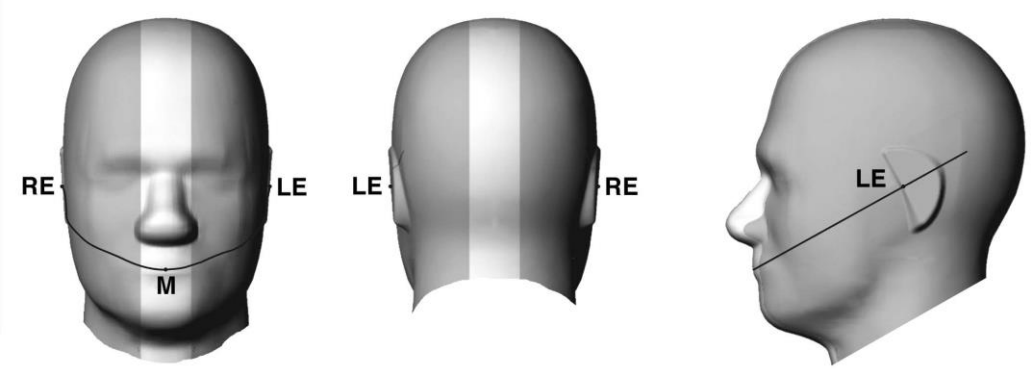


Fig 12.1.1 Front, back, and side views of SAM twin phantom

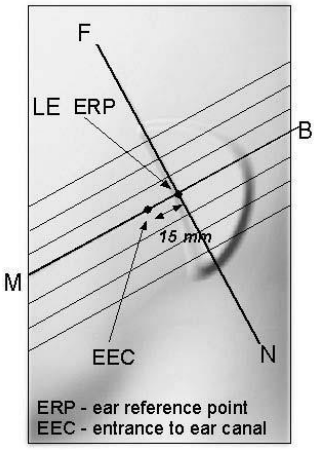


Fig 12.1.2 Close-up side view of phantom showing the ear region.

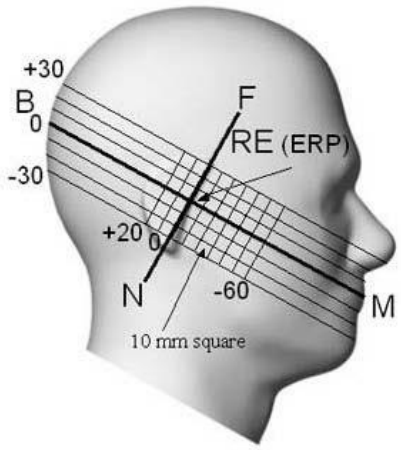


Fig 12.1.3 Side view of the phantom showing relevant markings and seven cross-sectional plane locations

12.2 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 wt 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 wb 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 horizontal line. 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.

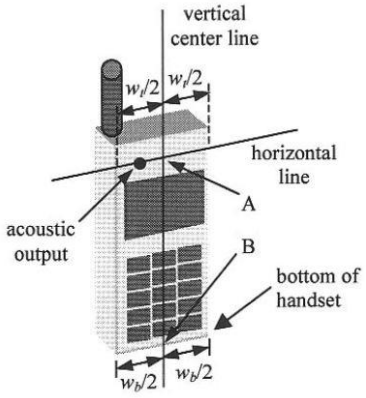


Fig 12.2.1 Handset vertical and horizontal reference lines—"fixed case

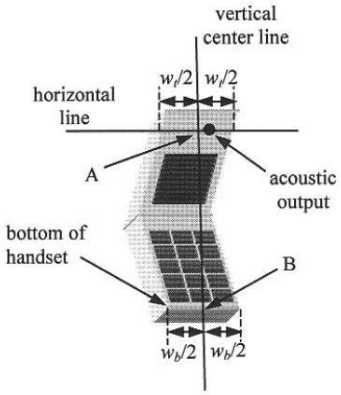


Fig 12.2.2 Handset vertical and horizontal reference lines—"clam-shell case"

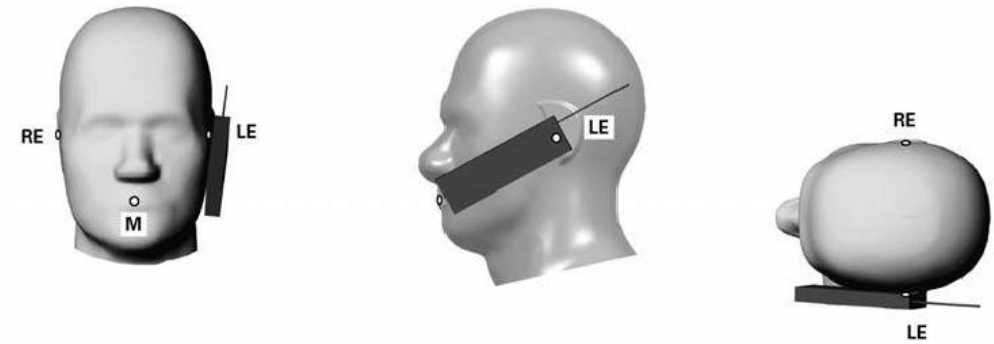


Fig 12.2.3 cheek or touch position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which establish the Reference Plane for handset positioning, are indicated.

12.3 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

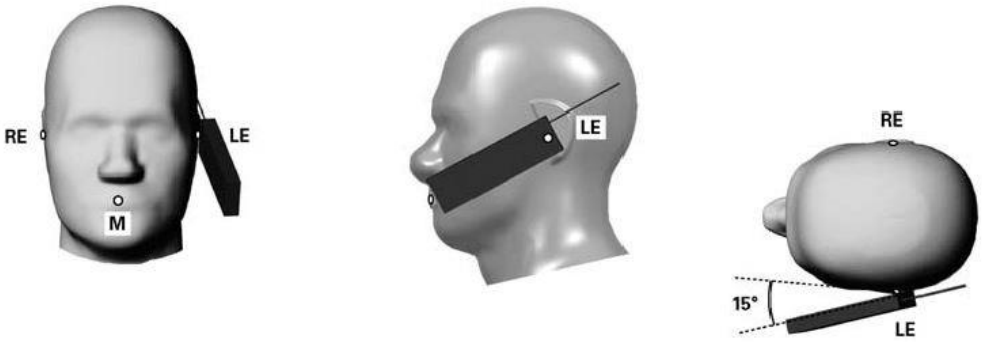


Fig 12.3.1 Tilt position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which define the Reference Plane for handset positioning, are indicated.

12.4 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 12.4). Per KDB648474 D04v01r03, body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in FCC KDB 447498 D01v06 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode, when applicable. When the reported SAR for body-worn accessory, measured without a headset connected to the handset is > 1.2 W/kg, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a handset attached to the handset.

Accessories for body-worn operation configurations are divided into two categories: those that do not contain metallic components and those that do contain metallic components 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.

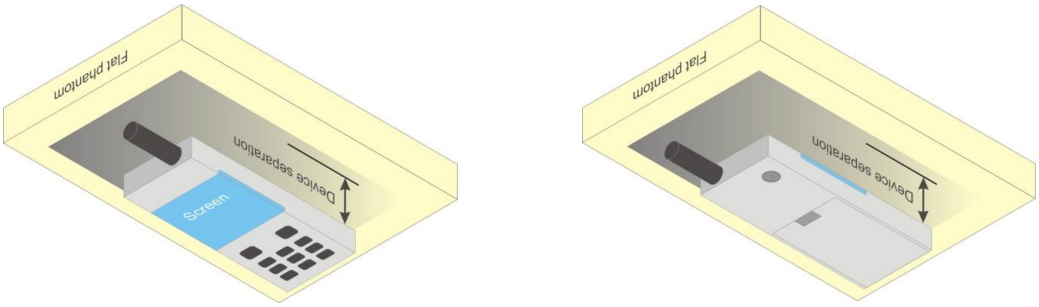


Fig 12.4 Body Worn Position

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

1. The normally required head and body-worn accessory SAR test procedures for handsets, including hotspot mode, must be applied.

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

12.6 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 x W ≥ 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 form 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. 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 ≤ ¼ 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 HSPA+ devices supporting 16 QAM in the uplink, power measurements procedure is according to the configurations in Table C.11.1.4 of 3GPP TS 34.121-1.
4. 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} (Note1, 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 Δ_{CQI} = 30/15 with β_{hs} = 30/15 * β_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 Δ_{NACK} = 30/15 with β_{hs} = 30/15 * β_c , and Δ_{CQI} = 24/15 with β_{hs} = 24/15 * β_c .

Note 3: CM = 1 for β_c/β_d =12/15, β_{hs}/β_c=24/15. For all other combinations of DPDCH, 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 β_c = 11/15 and β_d = 15/15.

Setup Configuration

HSUPA 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. Call Configs = 5.2B, 5.9B, 5.10B, and 5.13.2B with QPSK
   ii. 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
   iii. Set Cell Power = -86 dBm
   iv. Set Channel Type = 12.2k + HSPA
   v. Set UE Target Power
   vi. Power Ctrl Mode= Alternating bits
   vii. Set and observe the E-TFCI
   viii. Confirm that E-TFCI is equal to the target E-TFCI of 75 for sub-test 1, and other subtest's E-TFCI
d. 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} (Note1)	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	209/225	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	$\beta_{ed}1$: 47/15 $\beta_{ed}2$: 47/15	4 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 Δ_{CQI} = 30/15 with β_{hs} = 30/15 * β_c. For sub-test 5, Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 5/15 with β_{hs} = 5/15 * β_c.

Note 2: CM = 1 for β_c/β_d =12/15, β_{hs}/β_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 β_c = 10/15 and β_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 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: β_c/β_d=2/15
      b). Subtest 2: β_c/β_d=12/15
      c). Subtest 3: β_c/β_d=15/8
      d). Subtest 4: β_c/β_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_{INF})	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.		

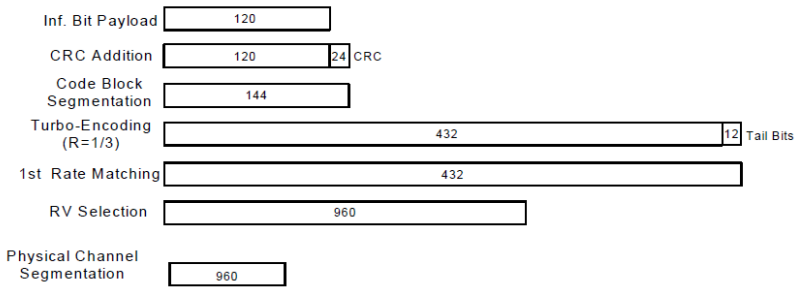


Figure C.8.19: Coding rate for Fixed reference Channel H-Set 12 (QPSK)

Setup Configuration

HSPA+ 3GPP release 7 (uplink category 7) 16QAM, 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. Call Configs = 5.2E:HSPA+:UL with 16QAM
   ii. 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, C11.1.4, quoted from the TS 34.121-1 s5.2E
   iii. Set Channel Parms
   iv. Set Cell Power = -86 dBm
   v. Set Channel Type = HSPA
   vi. Set UE Target Power =21 dBm
   vii. Power Ctrl Mode= All Up Bits
   viii. Set Manual Uplink DPCH Bc/Bd = Manual
   ix. Set Manual Uplink DPCH Bc and Bd=15,15(for 34.121-1 v8.10.0 table C11.1.4 sub-test 1)
   x. Set HSPA Conn DL Channel Levels
   xi. Set HS-SCCH Configs
   xii. Set RB Test Mode Setup
   xiii. Set Common HSUPA Parameters
   xiv. Set Serving Grant
   xv. Confirm that E-TFCI is equal to the target E-TFCI of 105 for sub-test 1, and other subtest's E-TFCI
d. The transmitted maximum output power was recorded.

Table C.11.1.4: β values for transmitter characteristics tests with HS-DPCCH and E-DCH with 16QAM

Sub-test	β_c (Note3)	β_d	β_{HS} (Note1)	β_{ec}	β_{ed} (2xSF2) (Note 4)	β_{ed} (2xSF4) (Note 4)	CM (dB) (Note 2)	MPR (dB) (Note 2)	AG Index (Note 4)	E-TFCI (Note 5)	E-TFCI (boost)
1	1	0	30/15	30/15	$\beta_{ed}1$: 30/15 $\beta_{ed}2$: 30/15	$\beta_{ed}3$: 24/15 $\beta_{ed}4$: 24/15	3.5	2.5	14	105	105

Note 1: Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 30/15 with β_{hs} = 30/15 * β_c.
Note 2: CM = 3.5 and the MPR is based on the relative CM difference, MPR = MAX(CM-1,0).
Note 3: DPDCH is not configured, therefore the β_c is set to 1 and β_d = 0 by default.
Note 4: β_{ed} can not be set directly; it is set by Absolute Grant Value.
Note 5: All the sub-tests require the UE to transmit 2SF2+2SF4 16QAM EDCH and they apply for UE using E-DPDCH category 7. E-DCH TTI is set to 2ms TTI and E-DCH table index = 2. To support these E-DCH configurations DPDCH is not allocated. The UE is signaled to use the extrapolation algorithm.

Setup Configuration

<WCDMA Conducted Power>

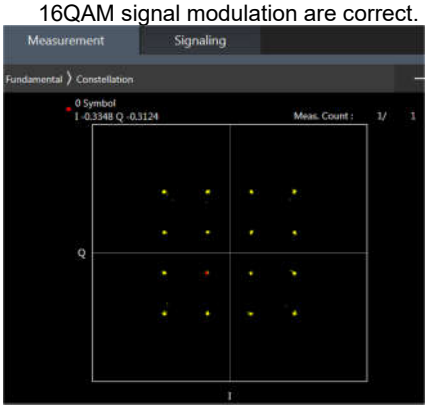
General Note:

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 / HSPA+ is ≤ ¼ 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 / HSPA+ to RMC12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA / HSPA+, and according to the following RF output power, the output power results of the secondary modes (HSDPA / HSUPA / DC-HSDPA / HSPA+) are less than ¼ dB higher than the primary modes; therefore, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA / HSPA+.

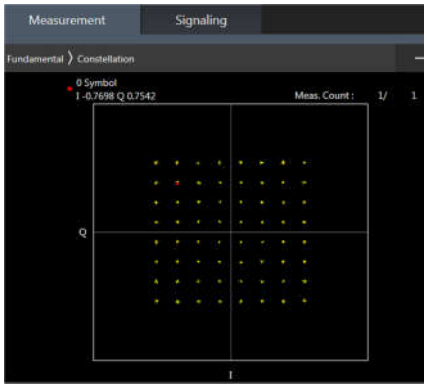
<LTE Conducted Power>

General Note:

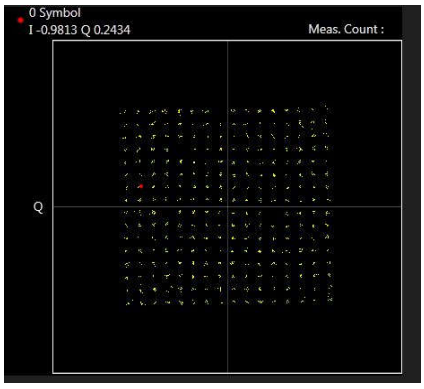
1. Anritsu MT8820C base station simulator was used to setup the connection with EUT; the frequency band, channel bandwidth, RB allocation configuration, modulation type are set in the base station simulator to configure EUT transmitting at maximum power and at different configurations which are requested 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 ½ 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 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; Per KDB 941225 D05v02r05, smaller bandwidth SAR testing is not required.
8. For LTE B4 / B5 / B12 / B17 / B26 / B38 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. According to 2017 May 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.



16QAM



64QAM



256QAM

<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.

a. 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplink-downlink configurations

b. "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

c. 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.

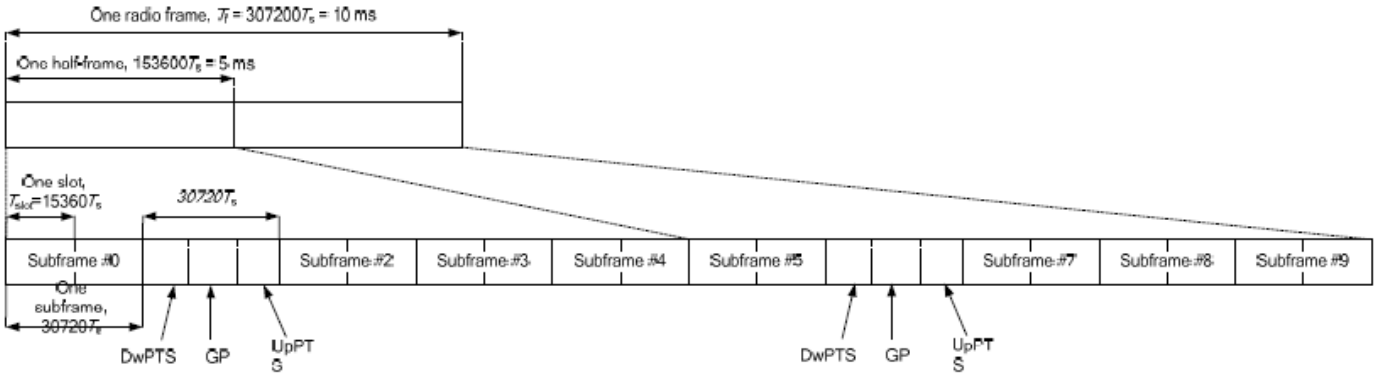


Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity).

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	$26336 \cdot T_s$			$7680 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$
5	$6592 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$20480 \cdot T_s$		
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:

i. Uplink-downlink configuration: 0. In a half-frame consisted of 5 subfames, uplink operation is in 3 uplink subframes and 1 special subframe.

ii. special subframe configuration: 5-9 for normal cyclic prefix in downlink, 4-7 for extended cyclic prefix in downlink

iii. 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%

iv. 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%

v. 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.

<LTE Carrier Aggregation>

General Note:

1. This device supports Carrier Aggregation on downlink for inter and intra band. For the device supports bands and bandwidths and configurations are provided as follow table was according to 3GPP.
2. In applying the existing power measurement procedures of KDB 941225 D05A for DL CA SAR test exclusion, only the subset with the largest number of combinations of frequency bands and CCs in each row need combination, and for this device that all the configurations were choose to power measurement.
3. The gray color table is covered by other combinations and no need to verify power.
4. All permutations exist. No restrictions on Pcell & Scell combinations.

2CC Downlink Carrier Aggregation				3CC Downlink Carrier Aggregation				4CC Downlink Carrier Aggregation			
Number	Combination	4X4 MIMO	Covered by Measurement Superset	Number	Combination	4X4 MIMO	Covered by Measurement Superset	Number	Combination	4X4 MIMO	Covered by Measurement Superset
1	CA_12A-25A			1	CA_12A-66A-66A	66A-66A		1	CA_2A-4A-7C		
2	CA_12A-66A	66A	1-3CC	2	CA_2A-4A-5A			2	CA_48C-66A-66A	48C-66A-66A	
3	CA_2A-12A			3	CA_2A-4A-7A		1-4CC	3	CA_48A-48D	48A-48D	
4	CA_2A-17A			4	CA_2A-7A-7A			4	CA_48C-48C	48C-48C	
5	CA_2A-4A		2-3CC	5	CA_2A-7C		1-4CC				
6	CA_2A-5A		2-3CC	6	CA_4A-7C	4A-7C					
7	CA_2A-66A			7	CA_5A-66A-66A	66A-66A					
8	CA_2A-7A		4-3CC	8	CA_5A-7A-66A	66A					
9	CA_41A-41A	41A-41A	14-3CC	9	CA_5A-7A-7A	7A-7A					
10	CA_41A-48A	41A-48A		10	CA_5A-7C	7C					
11	CA_4A-12A	4A		11	CA_7A-66A-66A	66A-66A					
12	CA_4A-17A	4A		12	CA_48C-66A	48C-66A	2-4CC				
13	CA_4A-5A	4A	2-3CC	13	CA_48A-66A-66A	48A-66A-66A	2-4CC				
14	CA_4A-7A	4A-7A	3-3CC	14	CA_41A-41A-41A	41A-41A-41A					
15	CA_5A-41A	41A		15	CA_48A-48C	48A-48C	4-4CC				
16	CA_5A-7A	7A	9-3CC								
16	CA_5A-66A	66A	7-3CC								
17	CA_66A-66A	66A-66A	11-3CC								
18	CA_7A-26A	7A									
19	CA_7A-42A	7A-42A									
20	CA_7A-7A	7A-7A	4-3CC								
23	CA_66B	66B									
21	CA_2C										
22	CA_7C	7C	6-3CC								
24	CA_66C	66C									
25	CA_38C	38C									
26	CA_41C	41C									
27	CA_42C	42C									
28	CA_48C	48C	15-3CC								

LTE Carrier Aggregation Conducted Power (Downlink)

i. According to KDB941225 D05A v01r02, Uplink maximum output power measurement with downlink carrier aggregation active should be measured, using the highest output channel measured without downlink carrier aggregation, to confirm that uplink maximum output power with downlink carrier aggregation active remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output measured without downlink carrier aggregation active.

ii. 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.

iii. The device supports downlink four carrier aggregation. For power measurement were control and acknowledge data is sent on uplink channels that operate identical to specifications when downlink carrier aggregation is inactive.

iv. Selected highest measured power when downlink carrier aggregation is inactive for conducted power comparison with downlink carrier aggregation is active, to confirm that when downlink carrier aggregation is active uplink maximum output power remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive.

v. For inter-band CA, the SCC selected highest bandwidth and near the middle of its transmission band. For SCC DL RB size and offset will base on the PCC corresponding RB allocation.

vi. For non-contiguous intra-band CA, the SCC selected to provide maximum separation from the PCC and must remain fully within the downlink transmission band.

vii. For Intra-band, contiguous CA, the downlink channels selected to perform the uplink power measurement must satisfy 3GPP channel spacing (5.4.1A of 3GPP TS 36.521 or equivalent) and channel bandwidth (5.4.2A) requirements.

$$\text{Nominal channel spacing} = \left\lfloor \frac{BW_{Channel(1)} + BW_{Channel(2)} - 0.1\left|BW_{Channel(1)} - BW_{Channel(2)}\right|}{0.6} \right\rfloor 0.3 \ \ [\text{MHz}]$$

LTE 4x4 MIMO (Downlink)

This device supports downlink 4x4 MIMO operations for LTE Bands 4/7/38/41/42/48/66 only. Uplink transmission is limited to a single output stream. Power measurements were performed with downlink 4x4 MIMO active for the configuration with highest measured maximum conducted power with 4x4 downlink MIMO inactive measured among the channel bandwidth, modulation, and RB combinations in each frequency band.

Per FCC Guidance, SAR for downlink 4x4 MIMO was not needed since the maximum average output power in 4x4 downlink MIMO mode was not > 0.25 dB higher than the maximum output power with downlink 4x4 MIMO inactive. When carrier aggregation is applicable, power measurements were performed with the downlink carrier aggregation and 4x4 DL MIMO active for the configuration with highest measured maximum conducted power with downlink carrier aggregation inactive measured among the channel bandwidth, modulation, and RB combinations in each frequency band.

4X4 MIMO	WWAN Band
	LTE Band: B4/B7/B38/B41/B42/B48/B66

LTE Carrier Aggregation Conducted Power (Uplink)

<Intra-band>

2CC Uplink Carrier Aggregation		
Number	Combination	Ant No.
1	7C	Ant0/1/2/3
2	38C	Ant0/1/2/3

General Note:

i. The device supports intra-band uplink carrier aggregation for LTE B7/B38 with a maximum of two 20MHz component carriers. For intra band contiguous carrier aggregation scenarios, 3GPP 36.101 table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when not-contiguous RB allocation is implemented. The conducted power and MPR setting in this device are permanently implemented pre 3GPP requirement.

ii. The device supports uplink carrier aggregation with a maximum of two 20MHz component carriers. For intra band contiguous carrier aggregation scenarios, 3GPP 36.101 table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when not-contiguous RB allocation is implemented. The conducted power and MPR setting in this device are permanently implemented pre the 3GPP requirement.

iii. According 2017 Nov. 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.

iv. Additional SAR measurement for LTE UL CA whit other DL CA combinations active were not required since the maximum output power for this configuration was not > 0.25dB higher than the maximum output power for UL CA active.

<Inter-band uplink carrier aggregation consideration>

LTE Uplink CA	2CC Uplink Carrier Aggregation	
Combination	Band&Ant No.	Band&Ant No.
4A-7A	LTE B4: Ant2/3	LTE B7: Ant1/0

General Note:

The single carrier of inter band CA uplink power level is the same as Non-CA standalone LTE power level. For Inter-band CA co-located SAR analysis is performed using standalone SAR summed together and they are more conservatively for inter band CA.

5G NR Output Power (Unit: dBm)

General Note:

1. 5G NR n5, n7, n66, n38, n41, n77, n78 supports SA operation.
2. 5G NR n5, n7, n66, n38, n41, n78 supports NSA.
3. 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 PI/2 BPSK and the reported SAR for the DFT-s PI/2 BPSK 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 PI/2 BPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel
   d. 50% RB allocation for PI/2 BPSK SAR testing follows 1RB PI/2 BPSK allocation procedure
   e. PI/2 BPSK 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. QPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not ½ dB higher than the same configuration in PI/2 BPSK, also reported SAR for the PI/2 BPSK configuration is less than 1.45 W/kg, QPSK/16QAM/64QAM/256QAM SAR testing are not required.
   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
4. Due to test setup limitations, SAR testing for NR was performed using Factory Test Mode software to establish the connection and perform SAR with 100% transmission.
5. 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.
6. 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.
7. 5GNR NSA mode, the power level is the same as 5GNR SA mode, so 5GNR NSA mode and SA mode power table only show one time.
8. 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.
9. 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.
10. 5G NR n78 SA supports HPUE, HPUE power and SAR testing performed separately.
11. 5G NR n78 HPUE with higher power, n78 HPUE SAR can represent power class 3 level SAR.
12. For 5GNR EN-DC mode, standalone SAR performed for 5GNR band with the maximum power, EN-DC SAR summed 5GNR standalone SAR and LTE standalone SAR, the result of EN-DC SAR is more conservatively.

<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	≤ 3.5[1]	≤ 1.2[1]	≤ 0.2[1]
		≤ 0.5[2]	≤ 0.5[2]	0[2]
	QPSK	≤ 1		0
	16 QAM	≤ 2		≤ 1
	64 QAM	≤ 2.5		
	256 QAM	≤ 4.5		
CP-OFDM	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		

ENDC List	LTE Ant	NR Ant
DC_7A_n5A	Ant0/1/2/3	Ant0/1
DC_66A_n7A	Ant0/1	Ant2/3
DC_66A_n41A	Ant0/1	Ant2/3
DC_66A_n38A	Ant0/1	Ant2/3
DC_12A_n66A	Ant0/1	Ant0/1/2/3
DC_2A_n66A	Ant2/3	Ant0/1
DC_5A_n66A	Ant0/1	Ant0/1/2/3
DC_7A_n66A	Ant0/1	Ant2/3
DC_2A_n78A	Ant2/3	Ant4/5/6/7
DC_5A_n78A	Ant0/1	Ant4/5/6/7
DC_7A_n78A	Ant0/1/2/3	Ant4/5/6/7
DC_38A_n78A	Ant0/1/2/3	Ant4/5/6/7
DC_41A_n78A	Ant0/1/2/3	Ant4/5/6/7
DC_66A_n78A	Ant0/1/2/3	Ant4/5/6/7

<WLAN Conducted Power>

General Note:

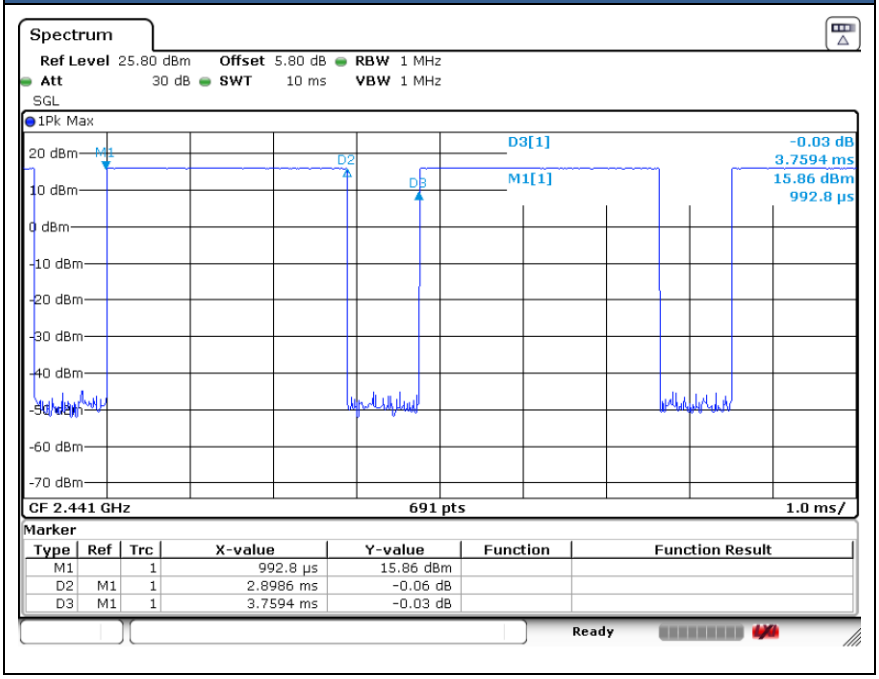
1. Per KDB 248227 D01v02r02, SAR test reduction is determined according to 802.11 transmission mode configurations and certain exposure conditions with multiple test positions. In the 2.4 GHz band, separate SAR procedures are applied to DSSS and OFDM configurations to simplify DSSS test requirements. 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.
2. 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).
3. 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.
4. 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.18 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 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.
   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.
5. 802.11ax full tone and partial tone supported for WLAN2.4GHz/WLAN5GHz, after verification for the partial tone power level is far less than full tone power level, so we chose full tone power to be measured in this report.

<2.4GHz Bluetooth>

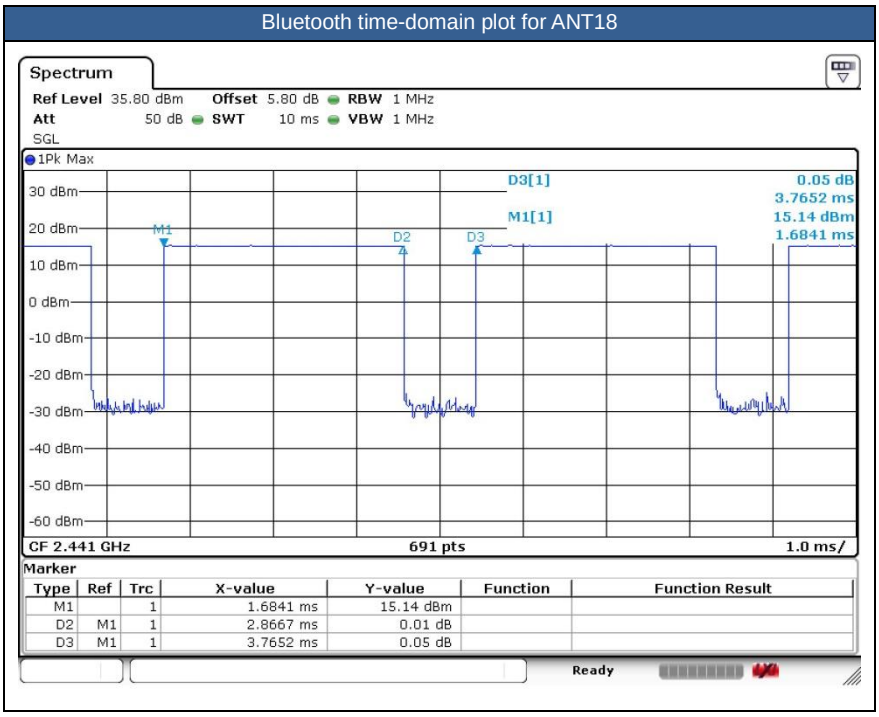
General Note:

1. For 2.4GHz Bluetooth SAR testing was selected 1Mbps, due to its highest average power.
2. The Bluetooth duty cycle is 77.10 % for ANT16, and 76.14 % for ANT18 as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to100% for Bluetooth reported SAR calculation

Bluetooth time-domain plot for ANT16



Bluetooth time-domain plot for ANT18



14. Antenna Location

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

15. 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 BT/WLAN signal with non-100% duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle)"
   c. For WWAN: Reported SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
   d. For BT/WLAN: Reported SAR(W/kg)= Measured SAR(W/kg)* Duty Cycle scaling factor * Tune-up scaling factor
   e. For TDD LTE SAR measurement, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix 63.3%/62.9% = 1.006 is applied to scale-up the measured SAR result. The Reported TDD LTE SAR = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.
2. Per KDB 447498 D01v06, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the *reported* 1-g or 10-g SAR for the mid-band or highest output power channel is:
   - ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
   - ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
   - ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz
3. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required when the measured SAR is ≥ 0.8W/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. For dual SIM card mobile has two SIM slots and supports dual SIM dual standby. The WWAN radio transmission will be enabled by either one SIM at a time (single active). After pre-scan two SIM cards power, we found test result of the SIM1 was the worse, so we chose SIM1 slot to perform all tests.
5. The device implements Proximity sensors/receiver detect mechanism/hotspot trigger reduced power for the power management for SAR compliance at different exposure conditions (head, body-worn, hotspot, extremity). The device will invoke corresponding work scenarios power level base on frequency bands/antennas, which can refer to appendix E. power table. Full power table and reduced power table (Default Power: full power, DSI 1: receiver on reduced power for head; DSI 5: hotspot on power; DSI 3: P-sensor on for handheld; DSI 4: receiver off/P-sensor off).
6. For WLAN/BT when transmit simultaneous with WWAN, power reduction will be activated to head, hotspot, body-worn and extremity.
7. For 5G NR test, using FTM (Factory Test Mode) to perform SAR with default 100% transmission.
8. 5G NR n78 SA supports HPUE, HPUE power and SAR testing performed separately.
9. 5G NR n78 HPUE with higher power, n78 HPUE SAR can represent power class 3 level SAR.
10. For 5GNR EN-DC mode, standalone SAR performed for 5GNR band with the maximum power, EN-DC SAR summed 5GNR standalone SAR and LTE standalone SAR, the result of EN-DC SAR is more conservatively.
11. 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.
12. 5GNR NSA mode, the power level is the same as 5GNR SA mode, so 5GNR NSA mode and SA mode power table only show one time.
13. 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.
14. 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.
15. Per KDB648474 D04v01r03, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm, when hotspot mode applies, 10-g extremity SAR is required 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. WCDMA B2/B4, LTE B2/B4/B7/B25/B66/B42/B48, 5GNR n7/n66/n41/n77/n78, and WLAN5.8G are required to be tested.

b. WLAN 5.3/5.5GHz 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.

16. For some WWAN bands, full power level higher than receiver off reduced power level, so front/back full power SAR can represent Body-worn receiver off SAR conservatively.
17. The device support DBS (Dual Band Simultaneous) function, when the device 2.4GHz and 5GHz transmit at the same time the module will limit different output power for simultaneous transmission compliance.
18. LTE B4/B7/B38/B41/B66 and 5GNR n7/n38/n41/n66 support different PAs for some antennas, Whether it is the maximum power of Main PA is higher than and very close to the other PA, for RF exposure, we choose the main PA and other PA to perform full SAR tested to ensure the RF exposure is compliance.
19. For distance SAR and non-distance SAR, always chose higher SAR to do co-located analysis.

GSM Note:

1. Per KDB 941225 D01v03r01, for SAR test reduction for GSM / GPRS / EDGE modes is determined by the source-based time-averaged output power including tune-up tolerance. The mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.
2. Other configurations of GSM / GPRS / EDGE are considered as secondary modes. The 3G SAR test reduction procedure is applied, when the maximum output power and tune-up tolerance specified for production units in a secondary mode is ≤ ¼ dB higher than the primary mode, 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 / HSPA+ is ≤ ¼ 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 / HSPA+ to RMC12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA / HSPA+, and according to the following RF output power, the output power results of the secondary modes (HSDPA / HSUPA / DC-HSDPA / HSPA+) are less than ¼ dB higher than the primary modes; therefore, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA / HSPA+.

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 > not ½ 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 > 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; Per KDB 941225 D05v02r05, smaller bandwidth SAR testing is not required.
6. For LTE B4 / B5 / B12 / B17 / B26/ B38 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.

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 PI/2 BPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
   b. 50% RB allocation for PI/2 BPSK SAR testing follows 1RB PI/2 BPSK allocation procedure.
   c. PI/2 BPSK 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. QPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not ½ dB higher than the same configuration in PI/2 BPSK, also reported SAR for the PI/2 BPSK configuration is less than 1.45 W/kg, QPSK /16QAM /64QAM/256QAM SAR testing are not required.
   e. 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
   f. For 5G FR1 n66/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 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.
6. 802.11ax supports full tone size and partial tone size, after verification for the partial tone size mode power level will not higher than full tone size power level, so chose full tone power to be measured in this report.
7. SISO and MIMO all supported by WLAN2.4GHz/WLAN5GHz, 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 power 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.
9. Only chose MIMO power to perform SAR testing.

15.1 Head SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	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)
750MHz																					
01	LTE Band 12	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	23095	707.5	23.62	25.00	1.374	-	-	0.01	0.657	**0.903**
	LTE Band 12	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	23095	707.5	23.62	25.00	1.374	-	-	-0.16	0.611	0.840
	LTE Band 12	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	23095	707.5	23.62	25.00	1.374	-	-	-0.14	0.445	0.611
	LTE Band 12	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	23095	707.5	23.62	25.00	1.374	-	-	-0.06	0.386	0.530
	LTE Band 12	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	23095	707.5	23.18	24.50	1.355	-	-	0.13	0.605	0.820
	LTE Band 12	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	23095	707.5	23.18	24.50	1.355	-	-	-0.04	0.557	0.755
	LTE Band 12	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	23095	707.5	23.18	24.50	1.355	-	-	0.13	0.364	0.493
	LTE Band 12	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	23095	707.5	23.18	24.50	1.355	-	-	-0.13	0.320	0.434
	LTE Band 12	10M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	23095	707.5	22.95	24.50	1.429	-	-	-0.09	0.626	0.894
	LTE Band 12	10M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	23095	707.5	22.95	24.50	1.429	-	-	0.11	0.570	0.814
	LTE Band 12	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	23095	707.5	24.98	25.50	1.127	-	-	-0.15	0.078	0.088
	LTE Band 12	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	23095	707.5	24.98	25.50	1.127	-	-	0.06	0.046	0.052
	LTE Band 12	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	23095	707.5	24.98	25.50	1.127	-	-	-0.08	0.091	0.103
	LTE Band 12	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	23095	707.5	24.98	25.50	1.127	-	-	0.07	0.047	0.053
	LTE Band 12	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	23095	707.5	23.97	24.50	1.130	-	-	-0.04	0.072	0.081
	LTE Band 12	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	23095	707.5	23.97	24.50	1.130	-	-	0.02	0.034	0.038
	LTE Band 12	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	23095	707.5	23.97	24.50	1.130	-	-	0.01	0.079	0.089
	LTE Band 12	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	23095	707.5	23.97	24.50	1.130	-	-	-0.09	0.042	0.047
02	LTE Band 17	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	23790	710	23.74	25.00	1.337	-	-	0.02	0.693	**0.926**
	LTE Band 17	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	23790	710	23.74	25.00	1.337	-	-	0.05	0.667	0.892
	LTE Band 17	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	23790	710	23.74	25.00	1.337	-	-	0.02	0.432	0.577
	LTE Band 17	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	23790	710	23.74	25.00	1.337	-	-	0.08	0.354	0.473
	LTE Band 17	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	23790	710	23.27	24.50	1.327	-	-	0.04	0.640	0.850
	LTE Band 17	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	23790	710	23.27	24.50	1.327	-	-	-0.14	0.609	0.808
	LTE Band 17	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	23790	710	23.27	24.50	1.327	-	-	0.04	0.412	0.547
	LTE Band 17	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	23790	710	23.27	24.50	1.327	-	-	0.01	0.316	0.419
	LTE Band 17	10M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	23790	710	23.30	24.50	1.318	-	-	0.13	0.660	0.870
	LTE Band 17	10M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	23790	710	23.30	24.50	1.318	-	-	-0.14	0.612	0.807
	LTE Band 17	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	23790	710	24.97	25.50	1.130	-	-	0.08	0.080	0.090
	LTE Band 17	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	23790	710	24.97	25.50	1.130	-	-	0.16	0.056	0.063
	LTE Band 17	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	23790	710	24.97	25.50	1.130	-	-	0.07	0.094	0.106
	LTE Band 17	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	23790	710	24.97	25.50	1.130	-	-	-0.04	0.048	0.054
	LTE Band 17	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	23790	710	23.98	24.50	1.127	-	-	0.05	0.070	0.079
	LTE Band 17	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	23790	710	23.98	24.50	1.127	-	-	-0.02	0.048	0.054
	LTE Band 17	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	23790	710	23.98	24.50	1.127	-	-	0.04	0.081	0.091
	LTE Band 17	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	23790	710	23.98	24.50	1.127	-	-	-0.13	0.041	0.046
03	LTE Band 13	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 1	Full	23230	782	24.24	25.50	1.337	-	-	-0.08	0.613	**0.819**
	LTE Band 13	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 1	Full	23230	782	24.24	25.50	1.337	-	-	0.08	0.603	0.806
	LTE Band 13	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 1	Full	23230	782	24.24	25.50	1.337	-	-	0.02	0.411	0.549
	LTE Band 13	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 1	Full	23230	782	24.24	25.50	1.337	-	-	-0.1	0.383	0.512
	LTE Band 13	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 1	DSI 1	Full	23230	782	23.32	24.50	1.312	-	-	0.12	0.514	0.674
	LTE Band 13	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 1	DSI 1	Full	23230	782	23.32	24.50	1.312	-	-	0.14	0.512	0.672
	LTE Band 13	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 1	DSI 1	Full	23230	782	23.32	24.50	1.312	-	-	0.14	0.315	0.413
	LTE Band 13	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 1	DSI 1	Full	23230	782	23.32	24.50	1.312	-	-	0.03	0.293	0.384
	LTE Band 13	10M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 1	Full	23230	782	23.22	24.50	1.343	-	-	0.05	0.492	0.661
	LTE Band 13	10M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 1	Full	23230	782	23.22	24.50	1.343	-	-	0.06	0.486	0.653
	LTE Band 13	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	23230	782	25.03	25.50	1.114	-	-	-0.05	0.136	0.152
	LTE Band 13	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	23230	782	25.03	25.50	1.114	-	-	-0.03	0.099	0.110
	LTE Band 13	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	23230	782	25.03	25.50	1.114	-	-	-0.12	0.158	0.176
	LTE Band 13	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	23230	782	25.03	25.50	1.114	-	-	0.06	0.078	0.087
	LTE Band 13	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	23230	782	24.02	24.50	1.117	-	-	-0.07	0.105	0.117

	LTE Band 13	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	23230	782	24.02	24.50	1.117	-	-	0.16	0.076	0.085
	LTE Band 13	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	23230	782	24.02	24.50	1.117	-	-	-0.01	0.121	0.135
	LTE Band 13	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	23230	782	24.02	24.50	1.117	-	-	0.12	0.060	0.067
835MHz																					
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Right Cheek	0mm	Ant 1	DSI 1	Reduced	189	836.4	25.26	27.00	1.493	-	-	-0.09	0.554	0.827
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Right Tilted	0mm	Ant 1	DSI 1	Reduced	189	836.4	25.26	27.00	1.493	-	-	0.07	0.478	0.714
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Left Cheek	0mm	Ant 1	DSI 1	Reduced	189	836.4	25.26	27.00	1.493	-	-	-0.11	0.397	0.593
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Left Tilted	0mm	Ant 1	DSI 1	Reduced	189	836.4	25.26	27.00	1.493	-	-	0.15	0.339	0.506
04	GSM850	-	-	-	-	GPRS(4 Tx slots)	Right Cheek	0mm	Ant 1	DSI 1	Reduced	128	824.2	25.11	27.00	1.545	-	-	0.03	0.591	**0.913**
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Right Cheek	0mm	Ant 1	DSI 1	Reduced	251	848.8	25.22	27.00	1.507	-	-	-0.11	0.535	0.806
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Right Cheek	0mm	Ant 0	DSI 1	Full	189	836.4	26.72	28.00	1.343	-	-	-0.11	0.195	0.262
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Right Tilted	0mm	Ant 0	DSI 1	Full	189	836.4	26.72	28.00	1.343	-	-	0.03	0.111	0.149
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Left Cheek	0mm	Ant 0	DSI 1	Full	189	836.4	26.72	28.00	1.343	-	-	-0.05	0.178	0.239
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Left Tilted	0mm	Ant 0	DSI 1	Full	189	836.4	26.72	28.00	1.343	-	-	0.05	0.095	0.128
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 1	Reduced	4182	836.4	22.53	23.50	1.250	-	-	0.07	0.662	0.828
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 1	DSI 1	Reduced	4182	836.4	22.53	23.50	1.250	-	-	0.06	0.611	0.764
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 1	DSI 1	Reduced	4182	836.4	22.53	23.50	1.250	-	-	-0.08	0.462	0.578
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 1	DSI 1	Reduced	4182	836.4	22.53	23.50	1.250	-	-	0.09	0.411	0.514
05	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 1	Reduced	4132	826.4	22.39	23.50	1.291	-	-	-0.06	0.653	**0.843**
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 1	Reduced	4233	846.6	22.42	23.50	1.282	-	-	0.09	0.584	0.749
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 0	DSI 1	Full	4182	836.4	24.34	25.50	1.306	-	-	0.04	0.238	0.311
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 0	DSI 1	Full	4182	836.4	24.34	25.50	1.306	-	-	-0.13	0.129	0.168
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 0	DSI 1	Full	4182	836.4	24.34	25.50	1.306	-	-	0.09	0.230	0.300
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 0	DSI 1	Full	4182	836.4	24.34	25.50	1.306	-	-	0.13	0.123	0.161
	LTE Band 5	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	20525	836.5	21.76	23.50	1.493	-	-	0.1	0.638	0.952
	LTE Band 5	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	20525	836.5	21.76	23.50	1.493	-	-	-0.15	0.624	0.932
	LTE Band 5	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	20525	836.5	21.76	23.50	1.493	-	-	0.12	0.458	0.684
	LTE Band 5	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	20525	836.5	21.76	23.50	1.493	-	-	0.16	0.385	0.575
06	LTE Band 5	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	20525	836.5	21.71	23.50	1.510	-	-	-0.08	0.643	**0.971**
	LTE Band 5	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	20525	836.5	21.71	23.50	1.510	-	-	-0.04	0.639	0.965
	LTE Band 5	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	20525	836.5	21.71	23.50	1.510	-	-	0.07	0.492	0.743
	LTE Band 5	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	20525	836.5	21.71	23.50	1.510	-	-	0.13	0.395	0.596
	LTE Band 5	10M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	20525	836.5	21.62	23.50	1.542	-	-	-0.06	0.620	0.956
	LTE Band 5	10M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	20525	836.5	21.62	23.50	1.542	-	-	-0.07	0.603	0.930
	LTE Band 5	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	20525	836.5	24.47	25.50	1.268	-	-	0.08	0.181	0.229
	LTE Band 5	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	20525	836.5	24.47	25.50	1.268	-	-	0.12	0.109	0.138
	LTE Band 5	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	20525	836.5	24.47	25.50	1.268	-	-	-0.14	0.178	0.226
	LTE Band 5	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	20525	836.5	24.47	25.50	1.268	-	-	-0.06	0.098	0.124
	LTE Band 5	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	20525	836.5	23.43	24.50	1.279	-	-	-0.11	0.168	0.215
	LTE Band 5	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	20525	836.5	23.43	24.50	1.279	-	-	-0.09	0.098	0.125
	LTE Band 5	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	20525	836.5	23.43	24.50	1.279	-	-	0.09	0.163	0.209
	LTE Band 5	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	20525	836.5	23.43	24.50	1.279	-	-	0.09	0.089	0.114
	LTE Band 26	15M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	26865	831.5	21.58	23.00	1.387	-	-	0.12	0.639	0.886
	LTE Band 26	15M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	26865	831.5	21.58	23.00	1.387	-	-	0.06	0.567	0.786
	LTE Band 26	15M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	26865	831.5	21.58	23.00	1.387	-	-	0.08	0.425	0.589
	LTE Band 26	15M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	26865	831.5	21.58	23.00	1.387	-	-	-0.05	0.401	0.556
07	LTE Band 26	15M	QPSK	36	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	26865	831.5	21.48	23.00	1.419	-	-	-0.06	0.646	**0.917**
	LTE Band 26	15M	QPSK	36	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	26865	831.5	21.48	23.00	1.419	-	-	-0.09	0.574	0.815
	LTE Band 26	15M	QPSK	36	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	26865	831.5	21.48	23.00	1.419	-	-	-0.02	0.446	0.633
	LTE Band 26	15M	QPSK	36	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	26865	831.5	21.48	23.00	1.419	-	-	0.03	0.414	0.587
	LTE Band 26	15M	QPSK	75	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	26865	831.5	21.43	23.00	1.435	-	-	-0.09	0.631	0.906
	LTE Band 26	15M	QPSK	75	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	26865	831.5	21.43	23.00	1.435	-	-	0.13	0.560	0.804
	LTE Band 26	15M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	26865	831.5	24.41	25.00	1.146	-	-	-0.12	0.224	0.257
	LTE Band 26	15M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	26865	831.5	24.41	25.00	1.146	-	-	0.07	0.135	0.155
	LTE Band 26	15M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	26865	831.5	24.41	25.00	1.146	-	-	0.04	0.223	0.255
	LTE Band 26	15M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	26865	831.5	24.41	25.00	1.146	-	-	-0.08	0.133	0.152

	LTE Band 26	15M	QPSK	36	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	26865	831.5	23.35	24.00	1.161	-	-	0.01	0.178	0.207
	LTE Band 26	15M	QPSK	36	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	26865	831.5	23.35	24.00	1.161	-	-	-0.01	0.109	0.127
	LTE Band 26	15M	QPSK	36	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	26865	831.5	23.35	24.00	1.161	-	-	-0.13	0.176	0.204
	LTE Band 26	15M	QPSK	36	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	26865	831.5	23.35	24.00	1.161	-	-	0.04	0.101	0.117
	N5	20M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 1	DSI 1	Reduced	167300	836.5	22.72	23.50	1.197	-	-	-0.14	0.689	0.825
	N5	20M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 1	DSI 1	Reduced	167300	836.5	22.72	23.50	1.197	-	-	-0.11	0.645	0.772
	N5	20M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 1	DSI 1	Reduced	167300	836.5	22.72	23.50	1.197	-	-	-0.05	0.474	0.567
	N5	20M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 1	DSI 1	Reduced	167300	836.5	22.72	23.50	1.197	-	-	0.04	0.435	0.521
08	N5	20M	BPSK	50	28	DFT-15	Right Cheek	0mm	Ant 1	DSI 1	Reduced	167300	836.5	22.68	23.50	1.208	-	-	0.02	0.703	**0.849**
	N5	20M	BPSK	50	28	DFT-15	Right Tilted	0mm	Ant 1	DSI 1	Reduced	167300	836.5	22.68	23.50	1.208	-	-	-0.1	0.685	0.827
	N5	20M	BPSK	50	28	DFT-15	Left Cheek	0mm	Ant 1	DSI 1	Reduced	167300	836.5	22.68	23.50	1.208	-	-	-0.03	0.497	0.600
	N5	20M	BPSK	50	28	DFT-15	Left Tilted	0mm	Ant 1	DSI 1	Reduced	167300	836.5	22.68	23.50	1.208	-	-	-0.14	0.457	0.552
	N5	20M	BPSK	100	0	DFT-15	Right Cheek	0mm	Ant 1	DSI 1	Reduced	167300	836.5	22.66	23.50	1.213	-	-	-0.15	0.681	0.826
	N5	20M	BPSK	100	0	DFT-15	Right Tilted	0mm	Ant 1	DSI 1	Reduced	167300	836.5	22.66	23.50	1.213	-	-	0.09	0.661	0.802
	N5	20M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 0	DSI 1	Full	167300	836.5	24.58	25.50	1.236	-	-	0.12	0.218	0.269
	N5	20M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 0	DSI 1	Full	167300	836.5	24.58	25.50	1.236	-	-	0.14	0.138	0.171
	N5	20M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 0	DSI 1	Full	167300	836.5	24.58	25.50	1.236	-	-	-0.09	0.209	0.258
	N5	20M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 0	DSI 1	Full	167300	836.5	24.58	25.50	1.236	-	-	-0.08	0.115	0.142
	N5	20M	BPSK	50	28	DFT-15	Right Cheek	0mm	Ant 0	DSI 1	Full	167300	836.5	24.50	25.50	1.259	-	-	-0.1	0.213	0.268
	N5	20M	BPSK	50	28	DFT-15	Right Tilted	0mm	Ant 0	DSI 1	Full	167300	836.5	24.50	25.50	1.259	-	-	0.16	0.133	0.167
	N5	20M	BPSK	50	28	DFT-15	Left Cheek	0mm	Ant 0	DSI 1	Full	167300	836.5	24.50	25.50	1.259	-	-	0.07	0.201	0.253
	N5	20M	BPSK	50	28	DFT-15	Left Tilted	0mm	Ant 0	DSI 1	Full	167300	836.5	24.50	25.50	1.259	-	-	-0.07	0.111	0.140
1750MHz																					
09	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 1	Reduced	1413	1732.6	16.74	17.50	1.191	-	-	-0.12	0.687	**0.818**
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 1	DSI 1	Reduced	1413	1732.6	16.74	17.50	1.191	-	-	-0.09	0.552	0.658
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 1	DSI 1	Reduced	1413	1732.6	16.74	17.50	1.191	-	-	0.13	0.342	0.407
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 1	DSI 1	Reduced	1413	1732.6	16.74	17.50	1.191	-	-	0.09	0.406	0.484
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 1	Reduced	1312	1712.4	16.64	17.50	1.219	-	-	-0.09	0.667	0.813
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 1	Reduced	1513	1752.6	16.73	17.50	1.194	-	-	-0.01	0.653	0.780
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 2	DSI 1	Full	1413	1732.6	24.39	25.00	1.151	-	-	0.07	0.213	0.245
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 2	DSI 1	Full	1413	1732.6	24.39	25.00	1.151	-	-	-0.08	0.121	0.139
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 2	DSI 1	Full	1413	1732.6	24.39	25.00	1.151	-	-	-0.1	0.147	0.169
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 2	DSI 1	Full	1413	1732.6	24.39	25.00	1.151	-	-	0.09	0.117	0.135
	LTE Band 4	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	20175	1732.5	16.06	17.50	1.393	-	-	0.08	0.591	0.823
	LTE Band 4	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	20175	1732.5	16.06	17.50	1.393	-	-	0.13	0.487	0.678
	LTE Band 4	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	20175	1732.5	16.06	17.50	1.393	-	-	0.08	0.291	0.405
	LTE Band 4	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	20175	1732.5	16.06	17.50	1.393	-	-	-0.03	0.345	0.481
	LTE Band 4	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	20175	1732.5	15.94	17.50	1.432	-	-	-0.12	0.536	0.768
	LTE Band 4	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	20175	1732.5	15.94	17.50	1.432	-	-	-0.1	0.465	0.666
	LTE Band 4	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	20175	1732.5	15.94	17.50	1.432	-	-	0.13	0.276	0.395
	LTE Band 4	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	20175	1732.5	15.94	17.50	1.432	-	-	0.05	0.330	0.473
	LTE Band 4	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	20175	1732.5	15.91	17.50	1.442	-	-	-0.03	0.535	0.772
	LTE Band 4	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	20175	1732.5	22.69	24.00	1.352	-	-	-0.05	0.069	0.093
	LTE Band 4	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	20175	1732.5	22.69	24.00	1.352	-	-	-0.1	0.031	0.042
	LTE Band 4	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	20175	1732.5	22.69	24.00	1.352	-	-	0.14	0.065	0.088
	LTE Band 4	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	20175	1732.5	22.69	24.00	1.352	-	-	0.11	0.024	0.032
	LTE Band 4	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	20175	1732.5	21.47	23.00	1.422	-	-	-0.08	0.055	0.078
	LTE Band 4	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	20175	1732.5	21.47	23.00	1.422	-	-	0.13	0.024	0.034
	LTE Band 4	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	20175	1732.5	21.47	23.00	1.422	-	-	0.1	0.053	0.075
	LTE Band 4	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	20175	1732.5	21.47	23.00	1.422	-	-	-0.09	0.018	0.026
	LTE Band 4	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	20175	1732.5	20.21	21.50	1.346	-	-	0.13	0.622	0.837
	LTE Band 4	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	20175	1732.5	20.21	21.50	1.346	-	-	-0.1	0.119	0.160
	LTE Band 4	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	20175	1732.5	20.21	21.50	1.346	-	-	0.07	0.306	0.412
	LTE Band 4	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	20175	1732.5	20.21	21.50	1.346	-	-	0.04	0.078	0.105
10	LTE Band 4	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	20175	1732.5	20.18	21.50	1.355	-	-	-0.04	0.648	**0.878**
	LTE Band 4	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	20175	1732.5	20.18	21.50	1.355	-	-	0.1	0.134	0.182

	LTE Band 4	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	20175	1732.5	20.18	21.50	1.355	-	-	-0.04	0.335	0.454
	LTE Band 4	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	20175	1732.5	20.18	21.50	1.355	-	-	0.1	0.083	0.112
	LTE Band 4	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	20175	1732.5	20.11	21.50	1.377	-	-	0.03	0.629	0.866
	LTE Band 4	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	20175	1732.5	24.63	25.50	1.222	-	-	-0.07	0.207	0.253
	LTE Band 4	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	20175	1732.5	24.63	25.50	1.222	-	-	0.1	0.104	0.127
	LTE Band 4	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	20175	1732.5	24.63	25.50	1.222	-	-	-0.12	0.162	0.198
	LTE Band 4	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	20175	1732.5	24.63	25.50	1.222	-	-	0.11	0.103	0.126
	LTE Band 4	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	20175	1732.5	23.60	24.50	1.230	-	-	0.14	0.158	0.194
	LTE Band 4	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	20175	1732.5	23.60	24.50	1.230	-	-	0.08	0.087	0.107
	LTE Band 4	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	20175	1732.5	23.60	24.50	1.230	-	-	-0.15	0.134	0.165
	LTE Band 4	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	20175	1732.5	23.60	24.50	1.230	-	-	0.11	0.083	0.102
	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	132322	1745	16.26	17.50	1.330	-	-	0.13	0.563	0.749
	LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	132322	1745	16.26	17.50	1.330	-	-	0.13	0.455	0.605
	LTE Band 66	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	132322	1745	16.26	17.50	1.330	-	-	-0.04	0.280	0.373
	LTE Band 66	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	132322	1745	16.26	17.50	1.330	-	-	0.12	0.316	0.420
11	LTE Band 66	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	132322	1745	16.21	17.50	1.346	-	-	-0.05	0.589	**0.793**
	LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	132322	1745	16.21	17.50	1.346	-	-	-0.15	0.458	0.616
	LTE Band 66	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	132322	1745	16.21	17.50	1.346	-	-	0.07	0.287	0.386
	LTE Band 66	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	132322	1745	16.21	17.50	1.346	-	-	0.1	0.321	0.432
	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	132322	1745	21.58	23.00	1.387	-	-	0.16	0.056	0.078
	LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	132322	1745	21.58	23.00	1.387	-	-	0.08	0.029	0.040
	LTE Band 66	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	132322	1745	21.58	23.00	1.387	-	-	0.12	0.055	0.076
	LTE Band 66	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	132322	1745	21.58	23.00	1.387	-	-	-0.02	0.021	0.029
	LTE Band 66	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	132322	1745	20.60	22.00	1.380	-	-	0.13	0.046	0.063
	LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	132322	1745	20.60	22.00	1.380	-	-	-0.12	0.021	0.029
	LTE Band 66	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	132322	1745	20.60	22.00	1.380	-	-	0.04	0.045	0.062
	LTE Band 66	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	132322	1745	20.60	22.00	1.380	-	-	0.04	0.014	0.019
	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	132322	1745	18.57	20.00	1.390	-	-	0.14	0.446	0.620
	LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	132322	1745	18.57	20.00	1.390	-	-	0.06	0.087	0.121
	LTE Band 66	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	132322	1745	18.57	20.00	1.390	-	-	-0.04	0.259	0.360
	LTE Band 66	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	132322	1745	18.57	20.00	1.390	-	-	-0.08	0.060	0.083
	LTE Band 66	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	132322	1745	18.35	20.00	1.462	-	-	-0.09	0.451	0.659
	LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	132322	1745	18.35	20.00	1.462	-	-	0.1	0.092	0.135
	LTE Band 66	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	132322	1745	18.35	20.00	1.462	-	-	-0.1	0.267	0.390
	LTE Band 66	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	132322	1745	18.35	20.00	1.462	-	-	0.08	0.063	0.092
	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	132322	1745	23.54	24.50	1.247	-	-	0.16	0.149	0.186
	LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	132322	1745	23.54	24.50	1.247	-	-	-0.13	0.086	0.107
	LTE Band 66	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	132322	1745	23.54	24.50	1.247	-	-	0.01	0.128	0.160
	LTE Band 66	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	132322	1745	23.54	24.50	1.247	-	-	0.09	0.075	0.094
	LTE Band 66	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	132322	1745	22.62	23.50	1.225	-	-	-0.01	0.120	0.147
	LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	132322	1745	22.62	23.50	1.225	-	-	-0.01	0.071	0.087
	LTE Band 66	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	132322	1745	22.62	23.50	1.225	-	-	0.14	0.101	0.124
	LTE Band 66	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	132322	1745	22.62	23.50	1.225	-	-	0.04	0.056	0.069
	N66	40M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 1	DSI 1	Reduced	349000	1745	15.47	17.00	1.422	-	-	0.01	0.573	0.815
	N66	40M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 1	DSI 1	Reduced	349000	1745	15.47	17.00	1.422	-	-	-0.07	0.475	0.676
	N66	40M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 1	DSI 1	Reduced	349000	1745	15.47	17.00	1.422	-	-	0.14	0.285	0.405
	N66	40M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 1	DSI 1	Reduced	349000	1745	15.47	17.00	1.422	-	-	0.06	0.343	0.488
	N66	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 1	DSI 1	Reduced	349000	1745	15.41	17.00	1.442	-	-	-0.06	0.606	0.874
	N66	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 1	DSI 1	Reduced	349000	1745	15.41	17.00	1.442	-	-	-0.13	0.479	0.691
	N66	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 1	DSI 1	Reduced	349000	1745	15.41	17.00	1.442	-	-	0.02	0.300	0.433
	N66	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 1	DSI 1	Reduced	349000	1745	15.41	17.00	1.442	-	-	-0.13	0.349	0.503
	N66	40M	BPSK	216	0	DFT-15	Right Cheek	0mm	Ant 1	DSI 1	Reduced	349000	1745	15.40	17.00	1.445	-	-	-0.06	0.582	0.841
	N66	40M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 0	DSI 1	Full	349000	1745	21.66	23.00	1.361	-	-	0.11	0.051	0.069
	N66	40M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 0	DSI 1	Full	349000	1745	21.66	23.00	1.361	-	-	0.15	0.031	0.042
	N66	40M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 0	DSI 1	Full	349000	1745	21.66	23.00	1.361	-	-	0.11	0.050	0.068
	N66	40M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 0	DSI 1	Full	349000	1745	21.66	23.00	1.361	-	-	-0.16	0.025	0.034

	N66	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 0	DSI 1	Full	349000	1745	21.63	23.00	1.371	-	-	0.1	0.048	0.066
	N66	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 0	DSI 1	Full	349000	1745	21.63	23.00	1.371	-	-	0.08	0.028	0.038
	N66	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 0	DSI 1	Full	349000	1745	21.63	23.00	1.371	-	-	-0.01	0.046	0.063
	N66	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 0	DSI 1	Full	349000	1745	21.63	23.00	1.371	-	-	-0.07	0.023	0.032
	N66	40M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 3	DSI 1	Reduced	349000	1745	19.10	20.50	1.380	-	-	-0.11	0.638	0.881
	N66	40M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 3	DSI 1	Reduced	349000	1745	19.10	20.50	1.380	-	-	0.11	0.100	0.138
	N66	40M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 3	DSI 1	Reduced	349000	1745	19.10	20.50	1.380	-	-	0.06	0.351	0.485
	N66	40M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 3	DSI 1	Reduced	349000	1745	19.10	20.50	1.380	-	-	-0.06	0.064	0.088
12	N66	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 3	DSI 1	Reduced	349000	1745	19.03	20.50	1.403	-	-	0.02	0.685	**0.961**
	N66	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 3	DSI 1	Reduced	349000	1745	19.03	20.50	1.403	-	-	-0.14	0.103	0.144
	N66	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 3	DSI 1	Reduced	349000	1745	19.03	20.50	1.403	-	-	-0.13	0.352	0.494
	N66	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 3	DSI 1	Reduced	349000	1745	19.03	20.50	1.403	-	-	-0.14	0.071	0.100
	N66	40M	BPSK	216	0	DFT-15	Right Cheek	0mm	Ant 3	DSI 1	Reduced	349000	1745	18.89	20.50	1.449	-	-	-0.05	0.571	0.827
	N66	40M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 2	DSI 1	Full	349000	1745	23.81	24.50	1.172	-	-	-0.14	0.128	0.150
	N66	40M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 2	DSI 1	Full	349000	1745	23.81	24.50	1.172	-	-	-0.02	0.073	0.086
	N66	40M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 2	DSI 1	Full	349000	1745	23.81	24.50	1.172	-	-	-0.05	0.101	0.118
	N66	40M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 2	DSI 1	Full	349000	1745	23.81	24.50	1.172	-	-	0.09	0.065	0.076
	N66	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 2	DSI 1	Full	349000	1745	23.79	24.50	1.178	-	-	-0.06	0.126	0.148
	N66	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 2	DSI 1	Full	349000	1745	23.79	24.50	1.178	-	-	-0.13	0.070	0.082
	N66	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 2	DSI 1	Full	349000	1745	23.79	24.50	1.178	-	-	0	0.098	0.115
	N66	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 2	DSI 1	Full	349000	1745	23.79	24.50	1.178	-	-	-0.04	0.063	0.074
1900MHz																					
13	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Right Cheek	0mm	Ant 1	DSI 1	Reduced	661	1880	18.23	19.00	1.194	-	-	0.13	0.541	**0.646**
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Right Tilted	0mm	Ant 1	DSI 1	Reduced	661	1880	18.23	19.00	1.194	-	-	0.12	0.421	0.503
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Left Cheek	0mm	Ant 1	DSI 1	Reduced	661	1880	18.23	19.00	1.194	-	-	-0.04	0.215	0.257
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Left Tilted	0mm	Ant 1	DSI 1	Reduced	661	1880	18.23	19.00	1.194	-	-	0.04	0.230	0.275
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Right Cheek	0mm	Ant 2	DSI 1	Full	661	1880	24.69	25.00	1.074	-	-	0.08	0.057	0.061
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Right Tilted	0mm	Ant 2	DSI 1	Full	661	1880	24.69	25.00	1.074	-	-	-0.02	0.043	0.046
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Left Cheek	0mm	Ant 2	DSI 1	Full	661	1880	24.69	25.00	1.074	-	-	0.07	0.064	0.069
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Left Tilted	0mm	Ant 2	DSI 1	Full	661	1880	24.69	25.00	1.074	-	-	0.08	0.031	0.033
14	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 1	Reduced	9400	1880	14.74	15.50	1.191	-	-	-0.08	0.659	**0.785**
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 1	DSI 1	Reduced	9400	1880	14.74	15.50	1.191	-	-	-0.15	0.536	0.639
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 1	DSI 1	Reduced	9400	1880	14.74	15.50	1.191	-	-	0.01	0.262	0.312
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 1	DSI 1	Reduced	9400	1880	14.74	15.50	1.191	-	-	-0.05	0.277	0.330
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 2	DSI 1	Full	9400	1880	24.67	25.00	1.079	-	-	-0.09	0.162	0.175
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 2	DSI 1	Full	9400	1880	24.67	25.00	1.079	-	-	0.05	0.132	0.142
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 2	DSI 1	Full	9400	1880	24.67	25.00	1.079	-	-	-0.01	0.181	0.195
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 2	DSI 1	Full	9400	1880	24.67	25.00	1.079	-	-	-0.11	0.104	0.112
	LTE Band 2	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	18900	1880	19.78	21.00	1.324	-	-	-0.08	0.423	0.560
	LTE Band 2	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	18900	1880	19.78	21.00	1.324	-	-	-0.16	0.108	0.143
	LTE Band 2	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	18900	1880	19.78	21.00	1.324	-	-	0.07	0.284	0.376
	LTE Band 2	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	18900	1880	19.78	21.00	1.324	-	-	-0.01	0.061	0.081
15	LTE Band 2	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	18900	1880	19.57	21.00	1.390	-	-	0.08	0.456	**0.634**
	LTE Band 2	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	18900	1880	19.57	21.00	1.390	-	-	-0.09	0.117	0.163
	LTE Band 2	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	18900	1880	19.57	21.00	1.390	-	-	-0.04	0.304	0.423
	LTE Band 2	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	18900	1880	19.57	21.00	1.390	-	-	0.1	0.065	0.090
	LTE Band 2	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	18900	1880	24.48	25.50	1.265	-	-	-0.05	0.078	0.099
	LTE Band 2	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	18900	1880	24.48	25.50	1.265	-	-	0.03	0.077	0.097
	LTE Band 2	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	18900	1880	24.48	25.50	1.265	-	-	0.06	0.132	0.167
	LTE Band 2	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	18900	1880	24.48	25.50	1.265	-	-	-0.11	0.087	0.110
	LTE Band 2	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	18900	1880	23.27	24.50	1.327	-	-	-0.15	0.064	0.085
	LTE Band 2	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	18900	1880	23.27	24.50	1.327	-	-	0.09	0.063	0.084
	LTE Band 2	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	18900	1880	23.27	24.50	1.327	-	-	0.14	0.094	0.125
	LTE Band 2	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	18900	1880	23.27	24.50	1.327	-	-	-0.05	0.065	0.086
	LTE Band 25	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	26340	1880	20.63	22.00	1.371	-	-	0.13	0.670	0.918
	LTE Band 25	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	26340	1880	20.63	22.00	1.371	-	-	0.04	0.146	0.200

	LTE Band 25	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	26340	1880	20.63	22.00	1.371	-	-	-0.15	0.358	0.491
	LTE Band 25	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	26340	1880	20.63	22.00	1.371	-	-	-0.16	0.089	0.122
16	LTE Band 25	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	26140	1860	20.59	22.00	1.384	-	-	0.11	0.730	**1.010**
	LTE Band 25	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	26590	1905	20.57	22.00	1.390	-	-	-0.04	0.642	0.892
	LTE Band 25	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	26340	1880	20.58	22.00	1.387	-	-	-0.01	0.656	0.910
	LTE Band 25	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	26340	1880	20.58	22.00	1.387	-	-	-0.01	0.144	0.200
	LTE Band 25	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	26340	1880	20.58	22.00	1.387	-	-	-0.14	0.348	0.483
	LTE Band 25	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	26340	1880	20.58	22.00	1.387	-	-	-0.03	0.086	0.119
	LTE Band 25	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	26140	1860	20.49	22.00	1.416	-	-	-0.1	0.692	0.980
	LTE Band 25	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	26590	1905	20.47	22.00	1.422	-	-	0.08	0.622	0.885
	LTE Band 25	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	26340	1880	20.56	22.00	1.393	-	-	0.05	0.651	0.907
	LTE Band 25	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	26340	1880	24.50	25.50	1.259	-	-	-0.08	0.119	0.150
	LTE Band 25	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	26340	1880	24.50	25.50	1.259	-	-	-0.11	0.109	0.137
	LTE Band 25	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	26340	1880	24.50	25.50	1.259	-	-	0.14	0.189	0.238
	LTE Band 25	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	26340	1880	24.50	25.50	1.259	-	-	-0.03	0.100	0.126
	LTE Band 25	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	26340	1880	23.35	24.50	1.303	-	-	-0.03	0.108	0.141
	LTE Band 25	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	26340	1880	23.35	24.50	1.303	-	-	-0.06	0.095	0.124
	LTE Band 25	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	26340	1880	23.35	24.50	1.303	-	-	-0.1	0.161	0.210
	LTE Band 25	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	26340	1880	23.35	24.50	1.303	-	-	0.14	0.100	0.130
2600MHz																					
	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	21100	2535	15.89	17.00	1.291	-	-	0.06	0.484	0.625
	LTE Band 7C	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	21100 +20902	2535 +2515.2	15.83	17.00	1.309	-	-	0.07	0.425	0.556
	LTE Band 7	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	21100	2535	15.89	17.00	1.291	-	-	-0.1	0.338	0.436
	LTE Band 7	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	21100	2535	15.89	17.00	1.291	-	-	0.03	0.219	0.283
	LTE Band 7	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	21100	2535	15.89	17.00	1.291	-	-	0.07	0.241	0.311
	LTE Band 7	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	21100	2535	15.85	17.00	1.303	-	-	-0.11	0.432	0.563
	LTE Band 7	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	21100	2535	15.85	17.00	1.303	-	-	0.08	0.327	0.426
	LTE Band 7	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	21100	2535	15.85	17.00	1.303	-	-	0.13	0.210	0.274
	LTE Band 7	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	21100	2535	15.85	17.00	1.303	-	-	0.12	0.232	0.302
	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	21100	2535	21.87	23.00	1.297	-	-	-0.02	0.109	0.141
	LTE Band 7C	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	21100 +20902	2535 +2515.2	21.85	23.00	1.303	-	-	0.01	0.089	0.116
	LTE Band 7	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	21100	2535	21.87	23.00	1.297	-	-	-0.02	0.034	0.044
	LTE Band 7	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	21100	2535	21.87	23.00	1.297	-	-	-0.07	0.054	0.070
	LTE Band 7	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	21100	2535	21.87	23.00	1.297	-	-	0.02	0.044	0.057
	LTE Band 7	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	21100	2535	20.86	22.00	1.300	-	-	-0.07	0.092	0.120
	LTE Band 7	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	21100	2535	20.86	22.00	1.300	-	-	0.02	0.027	0.035
	LTE Band 7	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	21100	2535	20.86	22.00	1.300	-	-	0.05	0.047	0.061
	LTE Band 7	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	21100	2535	20.86	22.00	1.300	-	-	0.14	0.041	0.053
	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	21100	2535	20.27	21.20	1.239	-	-	-0.12	0.705	0.873
	LTE Band 7	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	21100	2535	20.27	21.20	1.239	-	-	-0.09	0.186	0.230
	LTE Band 7	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	21100	2535	20.27	21.20	1.239	-	-	0.04	0.332	0.411
	LTE Band 7	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	21100	2535	20.27	21.20	1.239	-	-	0.01	0.108	0.134
	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	20850	2510	20.21	21.20	1.256	-	-	-0.16	0.716	0.899
	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	21350	2560	20.21	21.20	1.256	-	-	0.04	0.720	0.904
17	LTE Band 7	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	21100	2535	20.00	21.20	1.318	-	-	0.05	0.816	**1.076**
	LTE Band 7C	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	21100 +20902	2535 +2515.2	20.06	21.20	1.300	-	-	0.07	0.773	1.005
	LTE Band 7	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	21100	2535	20.00	21.20	1.318	-	-	-0.07	0.187	0.247
	LTE Band 7	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	21100	2535	20.00	21.20	1.318	-	-	0.09	0.349	0.460
	LTE Band 7	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	21100	2535	20.00	21.20	1.318	-	-	0.16	0.110	0.145
	LTE Band 7	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	20850	2510	19.87	21.20	1.358	-	-	-0.01	0.728	0.989
	LTE Band 7	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	21350	2560	19.90	21.20	1.349	-	-	0.16	0.730	0.985
	LTE Band 7	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	21100	2535	20.05	21.20	1.303	-	-	-0.02	0.728	0.949
	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	21100	2535	24.73	25.50	1.194	-	-	-0.11	0.203	0.242
	LTE Band 7	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	21100	2535	24.73	25.50	1.194	-	-	0.08	0.112	0.134
	LTE Band 7	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	21100	2535	24.73	25.50	1.194	-	-	-0.01	0.400	0.478
	LTE Band 7C	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	21100	2535	24.71	25.50	1.199	-	-	0.08	0.387	0.464

												+20902	+2515.2								
	LTE Band 7	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	21100	2535	24.73	25.50	1.194	-	-	-0.02	0.115	0.137
	LTE Band 7	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	21100	2535	23.51	24.50	1.256	-	-	0.01	0.163	0.205
	LTE Band 7	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	21100	2535	23.51	24.50	1.256	-	-	0.13	0.095	0.119
	LTE Band 7	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	21100	2535	23.51	24.50	1.256	-	-	-0.02	0.330	0.414
	LTE Band 7	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	21100	2535	23.51	24.50	1.256	-	-	0.05	0.093	0.117
	LTE Band 38	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	38000	2595	17.10	18.00	1.230	62.9	1.006	0.15	0.259	0.321
	LTE Band 38	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	38000	2595	17.10	18.00	1.230	62.9	1.006	0.06	0.221	0.274
	LTE Band 38	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	38000	2595	17.10	18.00	1.230	62.9	1.006	0.03	0.124	0.153
	LTE Band 38	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	38000	2595	17.10	18.00	1.230	62.9	1.006	0.02	0.130	0.161
	LTE Band 38	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	38000	2595	17.08	18.00	1.236	62.9	1.006	-0.05	0.288	0.358
	LTE Band 38C	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	37901 +38099	2585.1 +2604.9	16.96	18.00	1.271	62.9	1.006	0.07	0.271	0.346
	LTE Band 38	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	38000	2595	17.08	18.00	1.236	62.9	1.006	-0.05	0.230	0.286
	LTE Band 38	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	38000	2595	17.08	18.00	1.236	62.9	1.006	0.05	0.125	0.155
	LTE Band 38	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	38000	2595	17.08	18.00	1.236	62.9	1.006	-0.01	0.132	0.164
	LTE Band 38	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	38000	2595	21.84	23.00	1.306	62.9	1.006	-0.08	0.061	0.080
	LTE Band 38C	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	37901 +38099	2585.1 +2604.9	21.80	23.00	1.318	62.9	1.006	-0.09	0.047	0.062
	LTE Band 38	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	38000	2595	21.84	23.00	1.306	62.9	1.006	-0.09	0.051	0.067
	LTE Band 38	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	38000	2595	21.84	23.00	1.306	62.9	1.006	-0.02	0.055	0.072
	LTE Band 38	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	38000	2595	21.84	23.00	1.306	62.9	1.006	0.12	0.046	0.060
	LTE Band 38	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	38000	2595	20.75	22.00	1.334	62.9	1.006	-0.07	0.051	0.068
	LTE Band 38	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	38000	2595	20.75	22.00	1.334	62.9	1.006	-0.02	0.049	0.066
	LTE Band 38	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	38000	2595	20.75	22.00	1.334	62.9	1.006	0.05	0.053	0.071
	LTE Band 38	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	38000	2595	20.75	22.00	1.334	62.9	1.006	-0.09	0.044	0.059
	LTE Band 38	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	38000	2595	21.66	22.70	1.271	62.9	1.006	0.13	0.643	0.822
	LTE Band 38	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	38000	2595	21.66	22.70	1.271	62.9	1.006	0.16	0.137	0.175
	LTE Band 38	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	38000	2595	21.66	22.70	1.271	62.9	1.006	0.14	0.439	0.561
	LTE Band 38	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	38000	2595	21.66	22.70	1.271	62.9	1.006	-0.03	0.075	0.096
18	LTE Band 38	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	38000	2595	21.64	22.70	1.276	62.9	1.006	0.07	0.662	**0.850**
	LTE Band 38C	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	37901 +38099	2585.1 +2604.9	21.60	22.70	1.288	62.9	1.006	0.16	0.651	0.844
	LTE Band 38	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	38000	2595	21.64	22.70	1.276	62.9	1.006	-0.12	0.139	0.178
	LTE Band 38	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	38000	2595	21.64	22.70	1.276	62.9	1.006	0.01	0.442	0.568
	LTE Band 38	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	38000	2595	21.64	22.70	1.276	62.9	1.006	-0.16	0.078	0.100
	LTE Band 38	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	38000	2595	21.63	22.70	1.279	62.9	1.006	0.08	0.631	0.812
	LTE Band 38	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	38000	2595	24.45	25.50	1.274	62.9	1.006	0.04	0.146	0.187
	LTE Band 38	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	38000	2595	24.45	25.50	1.274	62.9	1.006	0.16	0.066	0.085
	LTE Band 38	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	38000	2595	24.45	25.50	1.274	62.9	1.006	0.13	0.262	0.336
	LTE Band 38C	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	37901 +38099	2585.1 +2604.9	24.39	25.50	1.291	62.9	1.006	-0.13	0.223	0.290
	LTE Band 38	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	38000	2595	24.45	25.50	1.274	62.9	1.006	-0.16	0.070	0.090
	LTE Band 38	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	38000	2595	23.42	24.50	1.282	62.9	1.006	0.16	0.122	0.157
	LTE Band 38	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	38000	2595	23.42	24.50	1.282	62.9	1.006	-0.16	0.051	0.066
	LTE Band 38	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	38000	2595	23.42	24.50	1.282	62.9	1.006	0.13	0.212	0.273
	LTE Band 38	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	38000	2595	23.42	24.50	1.282	62.9	1.006	0.12	0.051	0.066
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	40620	2593	17.63	18.50	1.222	62.9	1.006	-0.04	0.298	0.366
	LTE Band 41	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	40620	2593	17.63	18.50	1.222	62.9	1.006	0.1	0.240	0.295
	LTE Band 41	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	40620	2593	17.63	18.50	1.222	62.9	1.006	-0.06	0.137	0.168
	LTE Band 41	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	40620	2593	17.63	18.50	1.222	62.9	1.006	-0.15	0.141	0.173
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	40620	2593	17.57	18.50	1.239	62.9	1.006	0.05	0.265	0.330
	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	40620	2593	17.57	18.50	1.239	62.9	1.006	-0.06	0.223	0.278
	LTE Band 41	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	40620	2593	17.57	18.50	1.239	62.9	1.006	0.04	0.130	0.162
	LTE Band 41	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	40620	2593	17.57	18.50	1.239	62.9	1.006	-0.11	0.135	0.168
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	40620	2593	21.98	23.00	1.265	62.9	1.006	-0.14	0.065	0.083
	LTE Band 41	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	40620	2593	21.98	23.00	1.265	62.9	1.006	-0.05	0.052	0.066
	LTE Band 41	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	40620	2593	21.98	23.00	1.265	62.9	1.006	0.04	0.058	0.074
	LTE Band 41	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	40620	2593	21.98	23.00	1.265	62.9	1.006	0.16	0.047	0.060

	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	40620	2593	20.87	22.00	1.297	62.9	1.006	-0.15	0.046	0.060
	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	40620	2593	20.87	22.00	1.297	62.9	1.006	-0.13	0.045	0.059
	LTE Band 41	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	40620	2593	20.87	22.00	1.297	62.9	1.006	-0.11	0.051	0.067
	LTE Band 41	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	40620	2593	20.87	22.00	1.297	62.9	1.006	0.13	0.041	0.054
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	40620	2593	20.77	22.00	1.327	62.9	1.006	-0.06	0.517	0.690
	LTE Band 41	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	40620	2593	20.77	22.00	1.327	62.9	1.006	0.16	0.115	0.154
	LTE Band 41	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	40620	2593	20.77	22.00	1.327	62.9	1.006	-0.07	0.225	0.300
	LTE Band 41	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	40620	2593	20.77	22.00	1.327	62.9	1.006	0.16	0.062	0.083
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	39750	2506	20.47	22.00	1.422	62.9	1.006	0.08	0.427	0.611
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	40185	2549.5	20.59	22.00	1.384	62.9	1.006	-0.12	0.434	0.604
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	41055	2636.5	20.71	22.00	1.346	62.9	1.006	-0.01	0.594	0.804
19	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	41490	2680	20.55	22.00	1.396	62.9	1.006	-0.1	0.691	**0.971**
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	40620	2593	20.75	22.00	1.334	62.9	1.006	0.04	0.505	0.677
	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	40620	2593	20.75	22.00	1.334	62.9	1.006	0.08	0.113	0.152
	LTE Band 41	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	40620	2593	20.75	22.00	1.334	62.9	1.006	0.05	0.221	0.296
	LTE Band 41	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	40620	2593	20.75	22.00	1.334	62.9	1.006	-0.14	0.056	0.075
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	39750	2506	20.41	22.00	1.442	62.9	1.006	-0.13	0.419	0.608
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	40185	2549.5	20.65	22.00	1.365	62.9	1.006	-0.11	0.418	0.574
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	41055	2636.5	20.74	22.00	1.337	62.9	1.006	0.08	0.572	0.769
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	41490	2680	20.52	22.00	1.406	62.9	1.006	0.05	0.628	0.888
	LTE Band 41	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	40620	2593	20.71	22.00	1.346	62.9	1.006	-0.09	0.507	0.686
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	40620	2593	24.56	25.50	1.242	62.9	1.006	-0.13	0.142	0.177
	LTE Band 41	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	40620	2593	24.56	25.50	1.242	62.9	1.006	-0.16	0.065	0.081
	LTE Band 41	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	40620	2593	24.56	25.50	1.242	62.9	1.006	-0.15	0.250	0.312
	LTE Band 41	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	40620	2593	24.56	25.50	1.242	62.9	1.006	-0.1	0.072	0.090
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	40620	2593	23.47	24.50	1.268	62.9	1.006	-0.11	0.119	0.152
	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	40620	2593	23.47	24.50	1.268	62.9	1.006	0.13	0.051	0.065
	LTE Band 41	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	40620	2593	23.47	24.50	1.268	62.9	1.006	0.1	0.195	0.249
	LTE Band 41	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	40620	2593	23.47	24.50	1.268	62.9	1.006	0.09	0.055	0.070
	N7	40M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 1	DSI 1	Reduced	507000	2535	16.86	18.50	1.459	-	-	0.09	0.538	0.785
	N7	40M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 1	DSI 1	Reduced	507000	2535	16.86	18.50	1.459	-	-	-0.02	0.417	0.608
	N7	40M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 1	DSI 1	Reduced	507000	2535	16.86	18.50	1.459	-	-	0.16	0.263	0.384
	N7	40M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 1	DSI 1	Reduced	507000	2535	16.86	18.50	1.459	-	-	0.12	0.320	0.467
	N7	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 1	DSI 1	Reduced	507000	2535	16.80	18.50	1.479	-	-	0.07	0.500	0.740
	N7	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 1	DSI 1	Reduced	507000	2535	16.80	18.50	1.479	-	-	0.07	0.385	0.569
	N7	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 1	DSI 1	Reduced	507000	2535	16.80	18.50	1.479	-	-	0.06	0.242	0.358
	N7	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 1	DSI 1	Reduced	507000	2535	16.80	18.50	1.479	-	-	0.11	0.286	0.423
	N7	40M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 0	DSI 1	Full	507000	2535	21.80	23.00	1.318	-	-	-0.05	0.084	0.111
	N7	40M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 0	DSI 1	Full	507000	2535	21.80	23.00	1.318	-	-	0.08	0.039	0.051
	N7	40M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 0	DSI 1	Full	507000	2535	21.80	23.00	1.318	-	-	0.01	0.058	0.076
	N7	40M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 0	DSI 1	Full	507000	2535	21.80	23.00	1.318	-	-	0.15	0.028	0.037
	N7	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 0	DSI 1	Full	507000	2535	21.73	23.00	1.340	-	-	0.09	0.078	0.104
	N7	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 0	DSI 1	Full	507000	2535	21.73	23.00	1.340	-	-	-0.09	0.031	0.042
	N7	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 0	DSI 1	Full	507000	2535	21.73	23.00	1.340	-	-	0.07	0.052	0.070
	N7	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 0	DSI 1	Full	507000	2535	21.73	23.00	1.340	-	-	0.14	0.023	0.031
	N7	40M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 3	DSI 1	Reduced	507000	2535	20.38	20.70	1.076	-	-	-0.1	0.751	0.808
	N7	40M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 3	DSI 1	Reduced	507000	2535	20.38	20.70	1.076	-	-	-0.11	0.169	0.182
	N7	40M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 3	DSI 1	Reduced	507000	2535	20.38	20.70	1.076	-	-	0.13	0.364	0.392
	N7	40M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 3	DSI 1	Reduced	507000	2535	20.38	20.70	1.076	-	-	0.13	0.095	0.102
20	N7	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 3	DSI 1	Reduced	507000	2535	20.22	20.70	1.117	-	-	0.02	0.753	**0.841**
	N7	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 3	DSI 1	Reduced	507000	2535	20.22	20.70	1.117	-	-	0.16	0.170	0.190
	N7	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 3	DSI 1	Reduced	507000	2535	20.22	20.70	1.117	-	-	0.03	0.437	0.488
	N7	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 3	DSI 1	Reduced	507000	2535	20.22	20.70	1.117	-	-	0.13	0.102	0.114
	N7	40M	BPSK	216	0	DFT-15	Right Cheek	0mm	Ant 3	DSI 1	Reduced	507000	2535	20.17	20.70	1.130	-	-	0.11	0.741	0.837
	N7	40M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 2	DSI 1	Full	507000	2535	24.33	25.50	1.309	-	-	-0.06	0.121	0.158
	N7	40M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 2	DSI 1	Full	507000	2535	24.33	25.50	1.309	-	-	-0.1	0.060	0.079

	N7	40M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 2	DSI 1	Full	507000	2535	24.33	25.50	1.309	-	-	-0.16	0.241	0.316
	N7	40M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 2	DSI 1	Full	507000	2535	24.33	25.50	1.309	-	-	0.1	0.076	0.099
	N7	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 2	DSI 1	Full	507000	2535	24.27	25.50	1.327	-	-	0.11	0.114	0.151
	N7	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 2	DSI 1	Full	507000	2535	24.27	25.50	1.327	-	-	-0.07	0.059	0.078
	N7	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 2	DSI 1	Full	507000	2535	24.27	25.50	1.327	-	-	-0.16	0.231	0.307
	N7	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 2	DSI 1	Full	507000	2535	24.27	25.50	1.327	-	-	0.04	0.074	0.098
	N38	40M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 1	DSI 1	Reduced	519000	2595	17.78	19.00	1.324	-	-	0.06	0.599	0.793
	N38	40M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 1	DSI 1	Reduced	519000	2595	17.78	19.00	1.324	-	-	-0.08	0.472	0.625
	N38	40M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 1	DSI 1	Reduced	519000	2595	17.78	19.00	1.324	-	-	-0.1	0.243	0.322
	N38	40M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 1	DSI 1	Reduced	519000	2595	17.78	19.00	1.324	-	-	-0.11	0.257	0.340
	N38	40M	BPSK	50	28	DFT-30	Right Cheek	0mm	Ant 1	DSI 1	Reduced	519000	2595	17.76	19.00	1.330	-	-	0.08	0.501	0.667
	N38	40M	BPSK	50	28	DFT-30	Right Tilted	0mm	Ant 1	DSI 1	Reduced	519000	2595	17.76	19.00	1.330	-	-	0.14	0.429	0.571
	N38	40M	BPSK	50	28	DFT-30	Left Cheek	0mm	Ant 1	DSI 1	Reduced	519000	2595	17.76	19.00	1.330	-	-	-0.02	0.238	0.317
	N38	40M	BPSK	50	28	DFT-30	Left Tilted	0mm	Ant 1	DSI 1	Reduced	519000	2595	17.76	19.00	1.330	-	-	0.07	0.254	0.338
	N38	40M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 0	DSI 1	Full	519000	2595	22.32	23.00	1.169	-	-	-0.06	0.089	0.104
	N38	40M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 0	DSI 1	Full	519000	2595	22.32	23.00	1.169	-	-	-0.08	0.031	0.036
	N38	40M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 0	DSI 1	Full	519000	2595	22.32	23.00	1.169	-	-	-0.04	0.048	0.056
	N38	40M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 0	DSI 1	Full	519000	2595	22.32	23.00	1.169	-	-	0.01	0.043	0.050
	N38	40M	BPSK	50	28	DFT-30	Right Cheek	0mm	Ant 0	DSI 1	Full	519000	2595	22.08	23.00	1.236	-	-	0	0.090	0.111
	N38	40M	BPSK	50	28	DFT-30	Right Tilted	0mm	Ant 0	DSI 1	Full	519000	2595	22.08	23.00	1.236	-	-	-0.16	0.038	0.047
	N38	40M	BPSK	50	28	DFT-30	Left Cheek	0mm	Ant 0	DSI 1	Full	519000	2595	22.08	23.00	1.236	-	-	0.06	0.052	0.064
	N38	40M	BPSK	50	28	DFT-30	Left Tilted	0mm	Ant 0	DSI 1	Full	519000	2595	22.08	23.00	1.236	-	-	-0.08	0.045	0.056
21	N38	40M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 3	DSI 1	Reduced	519000	2595	20.18	21.00	1.208	-	-	-0.09	0.841	**1.016**
	N38	40M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 3	DSI 1	Reduced	519000	2595	20.18	21.00	1.208	-	-	-0.15	0.183	0.221
	N38	40M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 3	DSI 1	Reduced	519000	2595	20.18	21.00	1.208	-	-	0.07	0.468	0.565
	N38	40M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 3	DSI 1	Reduced	519000	2595	20.18	21.00	1.208	-	-	0.02	0.111	0.134
	N38	40M	BPSK	50	28	DFT-30	Right Cheek	0mm	Ant 3	DSI 1	Reduced	519000	2595	20.10	21.00	1.230	-	-	0.08	0.778	0.957
	N38	40M	BPSK	50	28	DFT-30	Right Tilted	0mm	Ant 3	DSI 1	Reduced	519000	2595	20.10	21.00	1.230	-	-	-0.12	0.179	0.220
	N38	40M	BPSK	50	28	DFT-30	Left Cheek	0mm	Ant 3	DSI 1	Reduced	519000	2595	20.10	21.00	1.230	-	-	0.1	0.456	0.561
	N38	40M	BPSK	50	28	DFT-30	Left Tilted	0mm	Ant 3	DSI 1	Reduced	519000	2595	20.10	21.00	1.230	-	-	-0.07	0.107	0.132
	N38	40M	BPSK	100	0	DFT-30	Right Cheek	0mm	Ant 3	DSI 1	Reduced	519000	2595	20.01	21.00	1.256	-	-	-0.06	0.803	1.009
	N38	40M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 2	DSI 1	Full	519000	2595	24.67	25.00	1.079	-	-	-0.1	0.103	0.111
	N38	40M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 2	DSI 1	Full	519000	2595	24.67	25.00	1.079	-	-	-0.05	0.056	0.060
	N38	40M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 2	DSI 1	Full	519000	2595	24.67	25.00	1.079	-	-	-0.12	0.214	0.231
	N38	40M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 2	DSI 1	Full	519000	2595	24.67	25.00	1.079	-	-	-0.01	0.053	0.057
	N38	40M	BPSK	50	28	DFT-30	Right Cheek	0mm	Ant 2	DSI 1	Full	519000	2595	24.45	25.00	1.135	-	-	-0.11	0.107	0.121
	N38	40M	BPSK	50	28	DFT-30	Right Tilted	0mm	Ant 2	DSI 1	Full	519000	2595	24.45	25.00	1.135	-	-	0.09	0.066	0.075
	N38	40M	BPSK	50	28	DFT-30	Left Cheek	0mm	Ant 2	DSI 1	Full	519000	2595	24.45	25.00	1.135	-	-	0.05	0.219	0.249
	N38	40M	BPSK	50	28	DFT-30	Left Tilted	0mm	Ant 2	DSI 1	Full	519000	2595	24.45	25.00	1.135	-	-	-0.15	0.055	0.062
	N41	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 1	DSI 1	Reduced	518598	2592.99	16.60	17.50	1.230	-	-	-0.08	0.527	0.648
	N41	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 1	DSI 1	Reduced	518598	2592.99	16.60	17.50	1.230	-	-	0.03	0.385	0.474
	N41	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 1	DSI 1	Reduced	518598	2592.99	16.60	17.50	1.230	-	-	-0.11	0.221	0.272
	N41	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 1	DSI 1	Reduced	518598	2592.99	16.60	17.50	1.230	-	-	-0.12	0.275	0.338
	N41	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 1	DSI 1	Reduced	518598	2592.99	16.41	17.50	1.285	-	-	-0.13	0.383	0.492
	N41	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 1	DSI 1	Reduced	518598	2592.99	16.41	17.50	1.285	-	-	-0.11	0.231	0.297
	N41	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 1	DSI 1	Reduced	518598	2592.99	16.41	17.50	1.285	-	-	0.16	0.177	0.227
	N41	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 1	DSI 1	Reduced	518598	2592.99	16.41	17.50	1.285	-	-	-0.15	0.181	0.233
	N41	100M	BPSK	270	0	DFT-30	Right Cheek	0mm	Ant 1	DSI 1	Reduced	518598	2592.99	16.30	17.50	1.318	-	-	-0.08	0.433	0.571
	N41	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 0	DSI 1	Full	518598	2592.99	22.08	23.00	1.236	-	-	-0.02	0.054	0.067
	N41	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 0	DSI 1	Full	518598	2592.99	22.08	23.00	1.236	-	-	-0.06	0.039	0.048
	N41	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 0	DSI 1	Full	518598	2592.99	22.08	23.00	1.236	-	-	0.14	0.049	0.061
	N41	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 0	DSI 1	Full	518598	2592.99	22.08	23.00	1.236	-	-	0.05	0.035	0.043
	N41	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 0	DSI 1	Full	518598	2592.99	21.85	23.00	1.303	-	-	-0.09	0.059	0.077
	N41	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 0	DSI 1	Full	518598	2592.99	21.85	23.00	1.303	-	-	-0.11	0.042	0.055
	N41	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 0	DSI 1	Full	518598	2592.99	21.85	23.00	1.303	-	-	0.02	0.053	0.069
	N41	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 0	DSI 1	Full	518598	2592.99	21.85	23.00	1.303	-	-	-0.08	0.038	0.050

	N41	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 3	DSI 1	Reduced	518598	2592.99	18.63	19.50	1.222	-	-	0.07	0.529	0.646
	N41	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 3	DSI 1	Reduced	518598	2592.99	18.63	19.50	1.222	-	-	0.02	0.121	0.148
	N41	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 3	DSI 1	Reduced	518598	2592.99	18.63	19.50	1.222	-	-	-0.04	0.289	0.353
	N41	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 3	DSI 1	Reduced	518598	2592.99	18.63	19.50	1.222	-	-	-0.12	0.073	0.089
	N41	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 3	DSI 1	Reduced	509202	2546.01	18.61	19.50	1.227	-	-	0.08	0.480	0.589
	N41	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 3	DSI 1	Reduced	528000	2640	18.58	19.50	1.236	-	-	0.08	0.614	0.759
	N41	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 3	DSI 1	Reduced	518598	2592.99	18.60	19.50	1.230	-	-	-0.04	0.554	0.682
	N41	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 3	DSI 1	Reduced	518598	2592.99	18.60	19.50	1.230	-	-	-0.09	0.122	0.150
	N41	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 3	DSI 1	Reduced	518598	2592.99	18.60	19.50	1.230	-	-	0.09	0.292	0.359
	N41	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 3	DSI 1	Reduced	518598	2592.99	18.60	19.50	1.230	-	-	0.08	0.075	0.092
	N41	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 3	DSI 1	Reduced	509202	2546.01	18.58	19.50	1.236	-	-	0.06	0.526	0.650
22	N41	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 3	DSI 1	Reduced	528000	2640	18.50	19.50	1.259	-	-	-0.06	0.732	**0.922**
	N41	100M	BPSK	270	0	DFT-30	Right Cheek	0mm	Ant 3	DSI 1	Reduced	518598	2592.99	18.55	19.50	1.245	-	-	0.1	0.542	0.675
	N41	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 2	DSI 1	Full	518598	2592.99	24.25	25.00	1.189	-	-	0.09	0.105	0.125
	N41	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 2	DSI 1	Full	518598	2592.99	24.25	25.00	1.189	-	-	0.03	0.063	0.075
	N41	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 2	DSI 1	Full	518598	2592.99	24.25	25.00	1.189	-	-	-0.16	0.213	0.253
	N41	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 2	DSI 1	Full	518598	2592.99	24.25	25.00	1.189	-	-	0.06	0.058	0.069
	N41	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 2	DSI 1	Full	518598	2592.99	24.17	25.00	1.211	-	-	-0.01	0.099	0.120
	N41	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 2	DSI 1	Full	518598	2592.99	24.17	25.00	1.211	-	-	0.03	0.057	0.069
	N41	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 2	DSI 1	Full	518598	2592.99	24.17	25.00	1.211	-	-	-0.09	0.191	0.231
	N41	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 2	DSI 1	Full	518598	2592.99	24.17	25.00	1.211	-	-	-0.12	0.049	0.059
3500-3900MHz																					
	LTE Band 42	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DSI 1	Reduced	42590	3500	21.50	23.00	1.413	62.9	1.006	-0.09	0.692	0.983
	LTE Band 42	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 1	Reduced	42590	3500	21.50	23.00	1.413	62.9	1.006	0.14	0.206	0.293
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 4	DSI 1	Reduced	42590	3500	21.50	23.00	1.413	62.9	1.006	-0.09	0.643	0.914
	LTE Band 42	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 4	DSI 1	Reduced	42590	3500	21.50	23.00	1.413	62.9	1.006	-0.09	0.131	0.186
	LTE Band 42	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DSI 1	Reduced	42190	3460	21.45	23.00	1.429	62.9	1.006	0.14	0.679	0.976
23	LTE Band 42	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DSI 1	Reduced	42990	3540	21.25	23.00	1.496	62.9	1.006	0.09	0.691	**1.040**
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 4	DSI 1	Reduced	42190	3460	21.45	23.00	1.429	62.9	1.006	-0.09	0.603	0.867
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 4	DSI 1	Reduced	42990	3540	21.25	23.00	1.496	62.9	1.006	0.14	0.654	0.984
	LTE Band 42	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DSI 1	Reduced	42590	3500	21.48	23.00	1.419	62.9	1.006	-0.09	0.679	0.969
	LTE Band 42	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DSI 1	Reduced	42590	3500	21.48	23.00	1.419	62.9	1.006	0.14	0.195	0.278
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 4	DSI 1	Reduced	42590	3500	21.48	23.00	1.419	62.9	1.006	-0.09	0.577	0.824
	LTE Band 42	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 4	DSI 1	Reduced	42590	3500	21.48	23.00	1.419	62.9	1.006	0.14	0.107	0.153
	LTE Band 42	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DSI 1	Reduced	42190	3460	21.46	23.00	1.426	62.9	1.006	-0.09	0.671	0.962
	LTE Band 42	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DSI 1	Reduced	42990	3540	21.35	23.00	1.462	62.9	1.006	0.14	0.687	1.011
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 4	DSI 1	Reduced	42190	3460	21.46	23.00	1.426	62.9	1.006	-0.09	0.556	0.797
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 4	DSI 1	Reduced	42990	3540	21.35	23.00	1.462	62.9	1.006	0.14	0.603	0.887
	LTE Band 42	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 4	DSI 1	Reduced	42590	3500	21.43	23.00	1.435	62.9	1.006	-0.09	0.606	0.875
	LTE Band 42	20M	QPSK	100	0	-	Left Cheek	0mm	Ant 4	DSI 1	Reduced	42590	3500	21.43	23.00	1.435	62.9	1.006	0.14	0.546	0.788
	LTE Band 42	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 5	DSI 1	Reduced	42590	3500	20.98	22.20	1.324	62.9	1.006	0.09	0.442	0.589
	LTE Band 42	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 5	DSI 1	Reduced	42590	3500	20.98	22.20	1.324	62.9	1.006	-0.04	0.535	0.713
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 5	DSI 1	Reduced	42590	3500	20.98	22.20	1.324	62.9	1.006	0.03	0.612	0.815
	LTE Band 42	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 5	DSI 1	Reduced	42590	3500	20.98	22.20	1.324	62.9	1.006	0.05	0.723	0.963
	LTE Band 42	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 5	DSI 1	Reduced	42190	3460	20.92	22.20	1.343	62.9	1.006	-0.13	0.535	0.723
	LTE Band 42	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 5	DSI 1	Reduced	42990	3540	20.88	22.20	1.355	62.9	1.006	-0.09	0.517	0.705
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 5	DSI 1	Reduced	42190	3460	20.92	22.20	1.343	62.9	1.006	0.1	0.688	0.929
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 5	DSI 1	Reduced	42990	3540	20.88	22.20	1.355	62.9	1.006	-0.03	0.623	0.849
	LTE Band 42	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 5	DSI 1	Reduced	42190	3460	20.92	22.20	1.343	62.9	1.006	-0.07	0.758	1.024
	LTE Band 42	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 5	DSI 1	Reduced	42990	3540	20.88	22.20	1.355	62.9	1.006	-0.02	0.718	0.979
	LTE Band 42	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 5	DSI 1	Reduced	42590	3500	20.97	22.20	1.327	62.9	1.006	-0.08	0.448	0.598
	LTE Band 42	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 5	DSI 1	Reduced	42590	3500	20.97	22.20	1.327	62.9	1.006	0.15	0.544	0.726
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 5	DSI 1	Reduced	42590	3500	20.97	22.20	1.327	62.9	1.006	-0.16	0.641	0.856
	LTE Band 42	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 5	DSI 1	Reduced	42590	3500	20.97	22.20	1.327	62.9	1.006	0.08	0.761	1.016
	LTE Band 42	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 5	DSI 1	Reduced	42190	3460	20.83	22.20	1.371	62.9	1.006	-0.03	0.545	0.752
	LTE Band 42	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 5	DSI 1	Reduced	42990	3540	20.82	22.20	1.374	62.9	1.006	0.16	0.530	0.733

	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 5	DSI 1	Reduced	42190	3460	20.83	22.20	1.371	62.9	1.006	0.01	0.701	0.967
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 5	DSI 1	Reduced	42990	3540	20.82	22.20	1.374	62.9	1.006	0.03	0.646	0.893
	LTE Band 42	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 5	DSI 1	Reduced	42190	3460	20.83	22.20	1.371	62.9	1.006	0.14	0.753	1.038
	LTE Band 42	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 5	DSI 1	Reduced	42990	3540	20.82	22.20	1.374	62.9	1.006	0.11	0.750	1.037
	LTE Band 42	20M	QPSK	100	0	-	Right Tilted	0mm	Ant 5	DSI 1	Reduced	42590	3500	20.94	22.20	1.337	62.9	1.006	0.05	0.536	0.721
	LTE Band 42	20M	QPSK	100	0	-	Left Cheek	0mm	Ant 5	DSI 1	Reduced	42590	3500	20.94	22.20	1.337	62.9	1.006	0.01	0.640	0.861
	LTE Band 42	20M	QPSK	100	0	-	Left Tilted	0mm	Ant 5	DSI 1	Reduced	42590	3500	20.94	22.20	1.337	62.9	1.006	0.1	0.751	1.010
	LTE Band 42	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 6	DSI 1	Reduced	42590	3500	19.19	20.00	1.205	62.9	1.006	-0.12	0.192	0.233
	LTE Band 42	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 6	DSI 1	Reduced	42590	3500	19.19	20.00	1.205	62.9	1.006	-0.1	0.122	0.148
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 6	DSI 1	Reduced	42590	3500	19.19	20.00	1.205	62.9	1.006	-0.02	0.633	0.767
	LTE Band 42	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 6	DSI 1	Reduced	42590	3500	19.19	20.00	1.205	62.9	1.006	-0.13	0.318	0.386
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 6	DSI 1	Reduced	42190	3460	19.13	20.00	1.222	62.9	1.006	-0.12	0.584	0.718
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 6	DSI 1	Reduced	42990	3540	19.12	20.00	1.225	62.9	1.006	0.16	0.724	0.892
	LTE Band 42	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 6	DSI 1	Reduced	42590	3500	19.15	20.00	1.216	62.9	1.006	-0.06	0.196	0.240
	LTE Band 42	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 6	DSI 1	Reduced	42590	3500	19.15	20.00	1.216	62.9	1.006	-0.16	0.132	0.161
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 6	DSI 1	Reduced	42590	3500	19.15	20.00	1.216	62.9	1.006	-0.11	0.649	0.794
	LTE Band 42	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 6	DSI 1	Reduced	42590	3500	19.15	20.00	1.216	62.9	1.006	0.04	0.330	0.404
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 6	DSI 1	Reduced	42190	3460	19.06	20.00	1.242	62.9	1.006	0.06	0.612	0.764
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 6	DSI 1	Reduced	42990	3540	19.04	20.00	1.247	62.9	1.006	0.07	0.778	0.976
	LTE Band 42	20M	QPSK	100	0	-	Left Cheek	0mm	Ant 6	DSI 1	Reduced	42590	3500	19.08	20.00	1.236	62.9	1.006	0.07	0.654	0.813
	LTE Band 42	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 7	DSI 1	Full	42590	3500	23.57	25.00	1.390	62.9	1.006	0.12	0.404	0.565
	LTE Band 42	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 7	DSI 1	Full	42590	3500	23.57	25.00	1.390	62.9	1.006	0.1	0.121	0.169
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 7	DSI 1	Full	42590	3500	23.57	25.00	1.390	62.9	1.006	0.04	0.108	0.151
	LTE Band 42	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 7	DSI 1	Full	42590	3500	23.57	25.00	1.390	62.9	1.006	0.09	0.041	0.057
	LTE Band 42	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 7	DSI 1	Full	42590	3500	22.50	24.00	1.413	62.9	1.006	0.12	0.447	0.635
	LTE Band 42	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 7	DSI 1	Full	42590	3500	22.50	24.00	1.413	62.9	1.006	0.09	0.126	0.179
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 7	DSI 1	Full	42590	3500	22.50	24.00	1.413	62.9	1.006	0.1	0.108	0.153
	LTE Band 42	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 7	DSI 1	Full	42590	3500	22.50	24.00	1.413	62.9	1.006	-0.12	0.039	0.055
	LTE Band 42	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 7	DSI 1	Full	42590	3500	22.47	24.00	1.422	62.9	1.006	0.07	0.427	0.611
	LTE Band 48	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DSI 1	Reduced	55830	3609	21.61	23.00	1.377	62.9	1.006	-0.09	0.598	0.829
	LTE Band 48	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 1	Reduced	55830	3609	21.61	23.00	1.377	62.9	1.006	0.14	0.226	0.313
	LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 4	DSI 1	Reduced	55830	3609	21.61	23.00	1.377	62.9	1.006	-0.09	0.561	0.777
	LTE Band 48	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 4	DSI 1	Reduced	55830	3609	21.61	23.00	1.377	62.9	1.006	0.14	0.114	0.158
	LTE Band 48	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DSI 1	Reduced	55340	3560	21.55	23.00	1.396	62.9	1.006	-0.02	0.726	1.020
	LTE Band 48	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DSI 1	Reduced	56150	3641	21.56	23.00	1.393	62.9	1.006	-0.09	0.659	0.924
	LTE Band 48	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DSI 1	Reduced	56640	3690	21.39	23.00	1.449	62.9	1.006	0.14	0.544	0.793
	LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 4	DSI 1	Reduced	55340	3560	21.55	23.00	1.396	62.9	1.006	-0.09	0.619	0.870
	LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 4	DSI 1	Reduced	56150	3641	21.56	23.00	1.393	62.9	1.006	-0.09	0.557	0.781
	LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 4	DSI 1	Reduced	56640	3690	21.39	23.00	1.449	62.9	1.006	0.14	0.497	0.724
	LTE Band 48	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DSI 1	Reduced	55830	3609	21.60	23.00	1.380	62.9	1.006	-0.09	0.586	0.814
	LTE Band 48	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DSI 1	Reduced	55830	3609	21.60	23.00	1.380	62.9	1.006	0.14	0.223	0.310
	LTE Band 48	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 4	DSI 1	Reduced	55830	3609	21.60	23.00	1.380	62.9	1.006	-0.09	0.538	0.747
	LTE Band 48	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 4	DSI 1	Reduced	55830	3609	21.60	23.00	1.380	62.9	1.006	0.14	0.103	0.143
	LTE Band 48	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DSI 1	Reduced	55340	3560	21.59	23.00	1.384	62.9	1.006	-0.09	0.705	0.981
	LTE Band 48	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DSI 1	Reduced	56150	3641	21.39	23.00	1.449	62.9	1.006	0.14	0.630	0.918
	LTE Band 48	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DSI 1	Reduced	56640	3690	21.38	23.00	1.452	62.9	1.006	-0.09	0.533	0.779
	LTE Band 48	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 4	DSI 1	Reduced	55340	3560	21.59	23.00	1.384	62.9	1.006	0.14	0.576	0.802
	LTE Band 48	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 4	DSI 1	Reduced	56150	3641	21.39	23.00	1.449	62.9	1.006	-0.09	0.516	0.752
	LTE Band 48	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 4	DSI 1	Reduced	56640	3690	21.38	23.00	1.452	62.9	1.006	0.14	0.457	0.668
	LTE Band 48	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 4	DSI 1	Reduced	55830	3609	21.59	23.00	1.384	62.9	1.006	-0.09	0.676	0.941
	LTE Band 48	20M	QPSK	100	0	-	Left Cheek	0mm	Ant 4	DSI 1	Reduced	55830	3609	21.59	23.00	1.384	62.9	1.006	0.14	0.546	0.760
	LTE Band 48	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 5	DSI 1	Reduced	55830	3609	19.98	21.50	1.419	62.9	1.006	-0.1	0.316	0.451
	LTE Band 48	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 5	DSI 1	Reduced	55830	3609	19.98	21.50	1.419	62.9	1.006	0.13	0.404	0.577
	LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 5	DSI 1	Reduced	55830	3609	19.98	21.50	1.419	62.9	1.006	-0.16	0.519	0.741
	LTE Band 48	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 5	DSI 1	Reduced	55830	3609	19.98	21.50	1.419	62.9	1.006	-0.06	0.598	0.854
	LTE Band 48	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 5	DSI 1	Reduced	55340	3560	19.87	21.50	1.455	62.9	1.006	0.05	0.439	0.643

	LTE Band 48	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 5	DSI 1	Reduced	56150	3641	19.85	21.50	1.462	62.9	1.006	0.02	0.412	0.606
	LTE Band 48	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 5	DSI 1	Reduced	56640	3690	19.94	21.50	1.432	62.9	1.006	0.09	0.429	0.618
	LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 5	DSI 1	Reduced	55340	3560	19.87	21.50	1.455	62.9	1.006	-0.01	0.517	0.757
	LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 5	DSI 1	Reduced	56150	3641	19.85	21.50	1.462	62.9	1.006	-0.13	0.512	0.753
	LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 5	DSI 1	Reduced	56640	3690	19.94	21.50	1.432	62.9	1.006	0.01	0.528	0.761
	LTE Band 48	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 5	DSI 1	Reduced	55340	3560	19.87	21.50	1.455	62.9	1.006	0.08	0.640	0.937
	LTE Band 48	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 5	DSI 1	Reduced	56150	3641	19.85	21.50	1.462	62.9	1.006	0.05	0.612	0.900
	LTE Band 48	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 5	DSI 1	Reduced	56640	3690	19.94	21.50	1.432	62.9	1.006	0.16	0.601	0.866
	LTE Band 48	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 5	DSI 1	Reduced	55830	3609	19.95	21.50	1.429	62.9	1.006	-0.14	0.319	0.459
	LTE Band 48	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 5	DSI 1	Reduced	55830	3609	19.95	21.50	1.429	62.9	1.006	0.06	0.418	0.601
	LTE Band 48	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 5	DSI 1	Reduced	55830	3609	19.95	21.50	1.429	62.9	1.006	-0.16	0.537	0.772
	LTE Band 48	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 5	DSI 1	Reduced	55830	3609	19.95	21.50	1.429	62.9	1.006	0.05	0.627	0.901
	LTE Band 48	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 5	DSI 1	Reduced	55340	3560	19.73	21.50	1.503	62.9	1.006	0.1	0.480	0.726
	LTE Band 48	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 5	DSI 1	Reduced	56150	3641	19.78	21.50	1.486	62.9	1.006	-0.1	0.427	0.638
	LTE Band 48	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 5	DSI 1	Reduced	56640	3690	19.80	21.50	1.479	62.9	1.006	0.14	0.451	0.671
	LTE Band 48	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 5	DSI 1	Reduced	55340	3560	19.73	21.50	1.503	62.9	1.006	0.11	0.530	0.801
	LTE Band 48	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 5	DSI 1	Reduced	56150	3641	19.78	21.50	1.486	62.9	1.006	0.13	0.530	0.792
	LTE Band 48	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 5	DSI 1	Reduced	56640	3690	19.80	21.50	1.479	62.9	1.006	0.14	0.541	0.805
24	LTE Band 48	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 5	DSI 1	Reduced	55340	3560	19.73	21.50	1.503	62.9	1.006	-0.07	0.697	**1.054**
	LTE Band 48	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 5	DSI 1	Reduced	56150	3641	19.78	21.50	1.486	62.9	1.006	-0.03	0.621	0.928
	LTE Band 48	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 5	DSI 1	Reduced	56640	3690	19.80	21.50	1.479	62.9	1.006	0.1	0.627	0.933
	LTE Band 48	20M	QPSK	100	0	-	Right Tilted	0mm	Ant 5	DSI 1	Reduced	55830	3609	19.93	21.50	1.435	62.9	1.006	0.03	0.418	0.604
	LTE Band 48	20M	QPSK	100	0	-	Left Cheek	0mm	Ant 5	DSI 1	Reduced	55830	3609	19.93	21.50	1.435	62.9	1.006	-0.14	0.527	0.761
	LTE Band 48	20M	QPSK	100	0	-	Left Tilted	0mm	Ant 5	DSI 1	Reduced	55830	3609	19.93	21.50	1.435	62.9	1.006	0.12	0.634	0.916
	LTE Band 48	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 6	DSI 1	Reduced	55830	3609	16.68	17.50	1.208	62.9	1.006	0.16	0.107	0.130
	LTE Band 48	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 6	DSI 1	Reduced	55830	3609	16.68	17.50	1.208	62.9	1.006	-0.13	0.085	0.103
	LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 6	DSI 1	Reduced	55830	3609	16.68	17.50	1.208	62.9	1.006	-0.1	0.498	0.605
	LTE Band 48	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 6	DSI 1	Reduced	55830	3609	16.68	17.50	1.208	62.9	1.006	0.05	0.223	0.271
	LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 6	DSI 1	Reduced	55340	3560	16.44	17.50	1.276	62.9	1.006	-0.07	0.392	0.503
	LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 6	DSI 1	Reduced	56150	3641	16.51	17.50	1.256	62.9	1.006	-0.14	0.506	0.639
	LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 6	DSI 1	Reduced	56640	3690	16.50	17.50	1.259	62.9	1.006	0.13	0.661	0.837
	LTE Band 48	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 6	DSI 1	Reduced	55830	3609	16.66	17.50	1.213	62.9	1.006	0.1	0.116	0.142
	LTE Band 48	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 6	DSI 1	Reduced	55830	3609	16.66	17.50	1.213	62.9	1.006	0.02	0.111	0.135
	LTE Band 48	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 6	DSI 1	Reduced	55830	3609	16.66	17.50	1.213	62.9	1.006	-0.09	0.511	0.624
	LTE Band 48	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 6	DSI 1	Reduced	55830	3609	16.66	17.50	1.213	62.9	1.006	-0.14	0.229	0.280
	LTE Band 48	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 6	DSI 1	Reduced	55340	3560	16.41	17.50	1.285	62.9	1.006	-0.15	0.403	0.521
	LTE Band 48	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 6	DSI 1	Reduced	56150	3641	16.53	17.50	1.250	62.9	1.006	-0.1	0.535	0.673
	LTE Band 48	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 6	DSI 1	Reduced	56640	3690	16.49	17.50	1.262	62.9	1.006	0.08	0.682	0.866
	LTE Band 48	20M	QPSK	100	0	-	Left Cheek	0mm	Ant 6	DSI 1	Reduced	55830	3609	16.58	17.50	1.236	62.9	1.006	0.05	0.494	0.614
	LTE Band 48	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 7	DSI 1	Full	55830	3609	23.22	24.50	1.343	62.9	1.006	-0.09	0.498	0.673
	LTE Band 48	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 7	DSI 1	Full	55830	3609	23.22	24.50	1.343	62.9	1.006	0.11	0.144	0.195
	LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 7	DSI 1	Full	55830	3609	23.22	24.50	1.343	62.9	1.006	-0.15	0.108	0.146
	LTE Band 48	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 7	DSI 1	Full	55830	3609	23.22	24.50	1.343	62.9	1.006	0.11	0.074	0.100
	LTE Band 48	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 7	DSI 1	Full	55340	3560	23.12	24.50	1.374	62.9	1.006	0.02	0.481	0.665
	LTE Band 48	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 7	DSI 1	Full	56150	3641	23.09	24.50	1.384	62.9	1.006	0.06	0.476	0.663
	LTE Band 48	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 7	DSI 1	Full	56640	3690	23.03	24.50	1.403	62.9	1.006	0.14	0.459	0.648
	LTE Band 48	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 7	DSI 1	Full	55830	3609	22.22	23.50	1.343	62.9	1.006	0.07	0.471	0.636
	LTE Band 48	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 7	DSI 1	Full	55830	3609	22.22	23.50	1.343	62.9	1.006	-0.06	0.128	0.173
	LTE Band 48	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 7	DSI 1	Full	55830	3609	22.22	23.50	1.343	62.9	1.006	-0.01	0.098	0.132
	LTE Band 48	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 7	DSI 1	Full	55830	3609	22.22	23.50	1.343	62.9	1.006	-0.12	0.058	0.078
	LTE Band 48	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 7	DSI 1	Full	55340	3560	22.03	23.50	1.403	62.9	1.006	0.04	0.459	0.648
	LTE Band 48	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 7	DSI 1	Full	56150	3641	21.98	23.50	1.419	62.9	1.006	0.16	0.455	0.650
	LTE Band 48	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 7	DSI 1	Full	56640	3690	22.00	23.50	1.413	62.9	1.006	-0.15	0.438	0.622
	LTE Band 48	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 7	DSI 1	Full	55830	3609	22.16	23.50	1.361	62.9	1.006	0.08	0.453	0.620
	N77	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	19.98	21.00	1.265	-	-	0.11	0.724	0.916
	N77	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	19.98	21.00	1.265	-	-	-0.05	0.154	0.195

	N77	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	19.98	21.00	1.265	-	-	0.04	0.502	0.635
	N77	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	19.98	21.00	1.265	-	-	0.09	0.102	0.129
	N77	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	19.87	21.00	1.297	-	-	0.09	0.825	1.070
	N77	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	19.87	21.00	1.297	-	-	-0.05	0.197	0.256
	N77	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	19.87	21.00	1.297	-	-	-0.14	0.508	0.659
	N77	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	19.87	21.00	1.297	-	-	0.06	0.109	0.141
	N77	100M	BPSK	270	0	DFT-30	Right Cheek	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	19.80	21.00	1.318	-	-	-0.08	0.738	0.973
	N77	100M	BPSK	270	0	DFT-30	Left Cheek	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	19.80	21.00	1.318	-	-	0.01	0.497	0.655
	N77	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 4	DSI 1	Reduced	656000	3840	19.96	21.00	1.271	-	-	0.05	0.486	0.617
	N77	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 4	DSI 1	Reduced	656000	3840	19.96	21.00	1.271	-	-	0.1	0.122	0.155
	N77	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 4	DSI 1	Reduced	656000	3840	19.96	21.00	1.271	-	-	-0.06	0.330	0.419
	N77	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 4	DSI 1	Reduced	656000	3840	19.96	21.00	1.271	-	-	0.01	0.065	0.083
	N77	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DSI 1	Reduced	656000	3840	19.89	21.00	1.291	-	-	-0.01	0.428	0.553
	N77	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DSI 1	Reduced	656000	3840	19.89	21.00	1.291	-	-	-0.02	0.112	0.145
	N77	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DSI 1	Reduced	656000	3840	19.89	21.00	1.291	-	-	0.16	0.313	0.404
	N77	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DSI 1	Reduced	656000	3840	19.89	21.00	1.291	-	-	0.01	0.058	0.075
	N77	100M	BPSK	270	0	DFT-30	Right Cheek	0mm	Ant 4	DSI 1	Reduced	656000	3840	19.71	21.00	1.346	-	-	0.05	0.447	0.602
	N77	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	16.85	18.20	1.365	-	-	-0.1	0.289	0.394
	N77	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	16.85	18.20	1.365	-	-	0.13	0.308	0.420
	N77	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	16.85	18.20	1.365	-	-	0.11	0.349	0.476
	N77	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	16.85	18.20	1.365	-	-	-0.03	0.600	0.819
	N77	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	16.82	18.20	1.374	-	-	0.16	0.291	0.400
	N77	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	16.82	18.20	1.374	-	-	-0.07	0.315	0.433
	N77	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	16.82	18.20	1.374	-	-	0.12	0.343	0.471
	N77	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	16.82	18.20	1.374	-	-	-0.07	0.613	0.842
	N77	100M	BPSK	270	0	DFT-30	Left Tilted	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	16.73	18.20	1.403	-	-	0.03	0.575	0.807
	N77	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 5	DSI 1	Reduced	656000	3840	16.55	18.20	1.462	-	-	0.04	0.222	0.325
	N77	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 5	DSI 1	Reduced	656000	3840	16.55	18.20	1.462	-	-	-0.13	0.275	0.402
	N77	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 5	DSI 1	Reduced	656000	3840	16.55	18.20	1.462	-	-	0.12	0.301	0.440
	N77	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 5	DSI 1	Reduced	656000	3840	16.55	18.20	1.462	-	-	-0.03	0.443	0.648
	N77	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 5	DSI 1	Reduced	656000	3840	16.46	18.20	1.493	-	-	0.1	0.232	0.346
	N77	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 5	DSI 1	Reduced	656000	3840	16.46	18.20	1.493	-	-	0.16	0.281	0.419
	N77	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 5	DSI 1	Reduced	656000	3840	16.46	18.20	1.493	-	-	-0.03	0.313	0.467
	N77	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 5	DSI 1	Reduced	656000	3840	16.46	18.20	1.493	-	-	0.15	0.461	0.688
	N77	100M	BPSK	270	0	DFT-30	Left Tilted	0mm	Ant 5	DSI 1	Reduced	656000	3840	16.42	18.20	1.507	-	-	0.05	0.431	0.649
	N77	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	15.57	16.50	1.239	-	-	0.1	0.158	0.196
	N77	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	15.57	16.50	1.239	-	-	-0.08	0.063	0.078
	N77	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	15.57	16.50	1.239	-	-	0.16	0.360	0.446
	N77	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	15.57	16.50	1.239	-	-	0.07	0.181	0.224
	N77	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	15.51	16.50	1.256	-	-	-0.1	0.165	0.207
	N77	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	15.51	16.50	1.256	-	-	-0.12	0.087	0.109
	N77	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	15.51	16.50	1.256	-	-	0.11	0.376	0.472
	N77	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	15.51	16.50	1.256	-	-	0.13	0.196	0.246
	N77	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 6	DSI 1	Reduced	656000	3840	15.19	16.50	1.352	-	-	0.16	0.265	0.358
	N77	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 6	DSI 1	Reduced	656000	3840	15.19	16.50	1.352	-	-	-0.16	0.157	0.212
25	N77	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 6	DSI 1	Reduced	656000	3840	15.19	16.50	1.352	-	-	0.05	0.796	**1.076**
	N77	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 6	DSI 1	Reduced	656000	3840	15.19	16.50	1.352	-	-	0.08	0.419	0.567
	N77	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 6	DSI 1	Reduced	656000	3840	15.09	16.50	1.384	-	-	-0.14	0.245	0.339
	N77	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 6	DSI 1	Reduced	656000	3840	15.09	16.50	1.384	-	-	-0.13	0.138	0.191
	N77	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 6	DSI 1	Reduced	656000	3840	15.09	16.50	1.384	-	-	0.07	0.740	1.024
	N77	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 6	DSI 1	Reduced	656000	3840	15.09	16.50	1.384	-	-	-0.06	0.368	0.509
	N77	100M	BPSK	270	0	DFT-30	Left Cheek	0mm	Ant 6	DSI 1	Reduced	656000	3840	15.11	16.50	1.377	-	-	-0.1	0.714	0.983
	N77	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 7	DSI 1	Reduced	633334	3500.01	19.35	20.00	1.161	-	-	0.01	0.227	0.264
	N77	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 7	DSI 1	Reduced	633334	3500.01	19.35	20.00	1.161	-	-	-0.12	0.140	0.163
	N77	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 7	DSI 1	Reduced	633334	3500.01	19.35	20.00	1.161	-	-	0.16	0.086	0.100
	N77	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 7	DSI 1	Reduced	633334	3500.01	19.35	20.00	1.161	-	-	-0.05	0.056	0.065

	N77	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 7	DSI 1	Reduced	633334	3500.01	19.25	20.00	1.189	-	-	0.08	0.209	0.248
	N77	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 7	DSI 1	Reduced	633334	3500.01	19.25	20.00	1.189	-	-	0.08	0.118	0.140
	N77	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 7	DSI 1	Reduced	633334	3500.01	19.25	20.00	1.189	-	-	-0.15	0.078	0.093
	N77	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 7	DSI 1	Reduced	633334	3500.01	19.25	20.00	1.189	-	-	0.06	0.048	0.057
	N77	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 7	DSI 1	Reduced	656000	3840	18.55	20.00	1.396	-	-	0.07	0.392	0.547
	N77	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 7	DSI 1	Reduced	656000	3840	18.55	20.00	1.396	-	-	0.11	0.238	0.332
	N77	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 7	DSI 1	Reduced	656000	3840	18.55	20.00	1.396	-	-	0.09	0.172	0.240
	N77	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 7	DSI 1	Reduced	656000	3840	18.55	20.00	1.396	-	-	0.07	0.112	0.156
	N77	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 7	DSI 1	Reduced	656000	3840	18.52	20.00	1.406	-	-	0.16	0.361	0.508
	N77	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 7	DSI 1	Reduced	656000	3840	18.52	20.00	1.406	-	-	0.03	0.126	0.177
	N77	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 7	DSI 1	Reduced	656000	3840	18.52	20.00	1.406	-	-	-0.06	0.086	0.121
	N77	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 7	DSI 1	Reduced	656000	3840	18.52	20.00	1.406	-	-	-0.13	0.061	0.086
	N78	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	19.20	21.00	1.514	-	-	-0.07	0.626	0.947
	N78	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	19.20	21.00	1.514	-	-	-0.15	0.163	0.247
	N78	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	19.20	21.00	1.514	-	-	0.09	0.412	0.624
	N78	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	19.20	21.00	1.514	-	-	-0.13	0.098	0.148
26	N78	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	19.02	21.00	1.578	-	-	0.12	0.686	**1.082**
	N78	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	19.02	21.00	1.578	-	-	0.14	0.183	0.289
	N78	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	19.02	21.00	1.578	-	-	0.01	0.468	0.738
	N78	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	19.02	21.00	1.578	-	-	-0.16	0.115	0.181
	N78	100M	BPSK	270	0	DFT-30	Right Cheek	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	19.00	21.00	1.585	-	-	0.15	0.641	1.016
	N78	100M	BPSK	270	0	DFT-30	Left Cheek	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	19.00	21.00	1.585	-	-	-0.14	0.428	0.678
	N78	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 4	DSI 1	Reduced	650000	3750	19.08	21.00	1.556	-	-	0.04	0.401	0.624
	N78	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 4	DSI 1	Reduced	650000	3750	19.08	21.00	1.556	-	-	0.06	0.145	0.226
	N78	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 4	DSI 1	Reduced	650000	3750	19.08	21.00	1.556	-	-	-0.03	0.311	0.484
	N78	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 4	DSI 1	Reduced	650000	3750	19.08	21.00	1.556	-	-	0.1	0.087	0.135
	N78	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DSI 1	Reduced	650000	3750	19.05	21.00	1.567	-	-	0.16	0.354	0.555
	N78	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DSI 1	Reduced	650000	3750	19.05	21.00	1.567	-	-	0.08	0.123	0.193
	N78	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DSI 1	Reduced	650000	3750	19.05	21.00	1.567	-	-	0.05	0.294	0.461
	N78	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DSI 1	Reduced	650000	3750	19.05	21.00	1.567	-	-	0.03	0.069	0.108
	N78	100M	BPSK	270	0	DFT-30	Right Cheek	0mm	Ant 4	DSI 1	Reduced	650000	3750	19.00	21.00	1.585	-	-	0.11	0.355	0.563
	N78	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	16.64	18.00	1.368	-	-	0.13	0.407	0.557
	N78	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	16.64	18.00	1.368	-	-	0.08	0.421	0.576
	N78	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	16.64	18.00	1.368	-	-	0.04	0.482	0.659
	N78	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	16.64	18.00	1.368	-	-	-0.14	0.594	0.812
	N78	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	16.54	18.00	1.400	-	-	-0.13	0.410	0.574
	N78	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	16.54	18.00	1.400	-	-	0.08	0.423	0.592
	N78	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	16.54	18.00	1.400	-	-	-0.05	0.483	0.676
	N78	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	16.54	18.00	1.400	-	-	-0.18	0.637	0.892
	N78	100M	BPSK	270	0	DFT-30	Left Cheek	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	16.44	18.00	1.432	-	-	-0.08	0.494	0.708
	N78	100M	BPSK	270	0	DFT-30	Left Tilted	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	16.44	18.00	1.432	-	-	-0.01	0.607	0.869
	N78	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 5	DSI 1	Reduced	650000	3750	16.65	18.00	1.365	-	-	-0.1	0.374	0.510
	N78	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 5	DSI 1	Reduced	650000	3750	16.65	18.00	1.365	-	-	-0.14	0.406	0.554
	N78	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 5	DSI 1	Reduced	650000	3750	16.65	18.00	1.365	-	-	0.01	0.513	0.700
	N78	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 5	DSI 1	Reduced	650000	3750	16.65	18.00	1.365	-	-	0.04	0.572	0.781
	N78	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 5	DSI 1	Reduced	650000	3750	16.63	18.00	1.371	-	-	-0.12	0.368	0.504
	N78	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 5	DSI 1	Reduced	650000	3750	16.63	18.00	1.371	-	-	0	0.394	0.540
	N78	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 5	DSI 1	Reduced	650000	3750	16.63	18.00	1.371	-	-	-0.06	0.492	0.674
	N78	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 5	DSI 1	Reduced	650000	3750	16.63	18.00	1.371	-	-	-0.11	0.546	0.749
	N78	100M	BPSK	270	0	DFT-30	Left Cheek	0mm	Ant 5	DSI 1	Reduced	650000	3750	16.49	18.00	1.416	-	-	-0.05	0.507	0.718
	N78	100M	BPSK	270	0	DFT-30	Left Tilted	0mm	Ant 5	DSI 1	Reduced	650000	3750	16.49	18.00	1.416	-	-	-0.11	0.560	0.793
	N78	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	15.54	16.50	1.247	-	-	0.05	0.137	0.171
	N78	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	15.54	16.50	1.247	-	-	0.15	0.058	0.072
	N78	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	15.54	16.50	1.247	-	-	-0.02	0.311	0.388
	N78	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	15.54	16.50	1.247	-	-	-0.03	0.148	0.185
	N78	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	15.43	16.50	1.279	-	-	-0.09	0.146	0.187

	N78	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	15.43	16.50	1.279	-	-	-0.14	0.075	0.096
	N78	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	15.43	16.50	1.279	-	-	0.13	0.316	0.404
	N78	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	15.43	16.50	1.279	-	-	-0.14	0.177	0.226
	N78	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 6	DSI 1	Reduced	650000	3750	15.55	16.50	1.245	-	-	-0.1	0.247	0.307
	N78	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 6	DSI 1	Reduced	650000	3750	15.55	16.50	1.245	-	-	-0.08	0.141	0.175
	N78	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 6	DSI 1	Reduced	650000	3750	15.55	16.50	1.245	-	-	0.05	0.730	0.908
	N78	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 6	DSI 1	Reduced	650000	3750	15.55	16.50	1.245	-	-	0.13	0.393	0.489
	N78	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 6	DSI 1	Reduced	650000	3750	15.50	16.50	1.259	-	-	0.05	0.251	0.316
	N78	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 6	DSI 1	Reduced	650000	3750	15.50	16.50	1.259	-	-	0.15	0.151	0.190
	N78	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 6	DSI 1	Reduced	650000	3750	15.50	16.50	1.259	-	-	-0.05	0.765	0.963
	N78	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 6	DSI 1	Reduced	650000	3750	15.50	16.50	1.259	-	-	0.08	0.394	0.496
	N78	100M	BPSK	270	0	DFT-30	Left Cheek	0mm	Ant 6	DSI 1	Reduced	650000	3750	15.45	16.50	1.274	-	-	-0.13	0.724	0.922
	N78	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 7	DSI 1	Reduced	633334	3500.01	19.08	20.50	1.387	-	-	0.16	0.200	0.277
	N78	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 7	DSI 1	Reduced	633334	3500.01	19.08	20.50	1.387	-	-	0	0.103	0.143
	N78	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 7	DSI 1	Reduced	633334	3500.01	19.08	20.50	1.387	-	-	-0.15	0.077	0.107
	N78	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 7	DSI 1	Reduced	633334	3500.01	19.08	20.50	1.387	-	-	0.1	0.028	0.039
	N78	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 7	DSI 1	Reduced	633334	3500.01	18.98	20.50	1.419	-	-	-0.14	0.212	0.301
	N78	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 7	DSI 1	Reduced	633334	3500.01	18.98	20.50	1.419	-	-	0	0.125	0.177
	N78	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 7	DSI 1	Reduced	633334	3500.01	18.98	20.50	1.419	-	-	0.09	0.078	0.111
	N78	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 7	DSI 1	Reduced	633334	3500.01	18.98	20.50	1.419	-	-	0.09	0.032	0.045
	N78	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 7	DSI 1	Reduced	650000	3750	18.80	20.50	1.479	-	-	0.14	0.499	0.738
	N78	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 7	DSI 1	Reduced	650000	3750	18.80	20.50	1.479	-	-	0.16	0.181	0.268
	N78	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 7	DSI 1	Reduced	650000	3750	18.80	20.50	1.479	-	-	0.03	0.113	0.167
	N78	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 7	DSI 1	Reduced	650000	3750	18.80	20.50	1.479	-	-	0.1	0.053	0.078
	N78	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 7	DSI 1	Reduced	650000	3750	18.77	20.50	1.489	-	-	0.07	0.619	0.922
	N78	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 7	DSI 1	Reduced	650000	3750	18.77	20.50	1.489	-	-	0.16	0.238	0.354
	N78	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 7	DSI 1	Reduced	650000	3750	18.77	20.50	1.489	-	-	-0.03	0.149	0.222
	N78	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 7	DSI 1	Reduced	650000	3750	18.77	20.50	1.489	-	-	0.08	0.094	0.140
	N78	100M	BPSK	270	0	DFT-30	Right Cheek	0mm	Ant 7	DSI 1	Reduced	650000	3750	18.75	20.50	1.496	-	-	-0.03	0.606	0.907

DL CA / Inter-band CA & EN-DC LTE Main PA

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	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)
750MHz																					
	LTE Band 12_Main PA	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	23095	707.5	21.13	22.50	1.371	-	-	-0.11	0.369	0.506
	LTE Band 12_Main PA	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	23095	707.5	21.13	22.50	1.371	-	-	-0.05	0.344	0.472
	LTE Band 12_Main PA	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	23095	707.5	21.13	22.50	1.371	-	-	0.08	0.250	0.343
	LTE Band 12_Main PA	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	23095	707.5	21.13	22.50	1.371	-	-	0.05	0.192	0.263
	LTE Band 12_Main PA	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	23095	707.5	21.09	22.50	1.384	-	-	0.11	0.340	0.470
	LTE Band 12_Main PA	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	23095	707.5	21.09	22.50	1.384	-	-	0.13	0.313	0.433
	LTE Band 12_Main PA	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	23095	707.5	21.09	22.50	1.384	-	-	-0.14	0.205	0.284
	LTE Band 12_Main PA	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	23095	707.5	21.09	22.50	1.384	-	-	0.01	0.180	0.249
	LTE Band 12_Main PA	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	23095	707.5	24.98	25.50	1.127	-	-	-0.15	0.078	0.088
	LTE Band 12_Main PA	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	23095	707.5	24.98	25.50	1.127	-	-	0.06	0.046	0.052
	LTE Band 12_Main PA	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	23095	707.5	24.98	25.50	1.127	-	-	-0.08	0.091	0.103
	LTE Band 12_Main PA	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	23095	707.5	24.98	25.50	1.127	-	-	0.07	0.047	0.053
	LTE Band 12_Main PA	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	23095	707.5	23.97	24.50	1.130	-	-	-0.04	0.072	0.081
	LTE Band 12_Main PA	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	23095	707.5	23.97	24.50	1.130	-	-	0.02	0.034	0.038
	LTE Band 12_Main PA	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	23095	707.5	23.97	24.50	1.130	-	-	0.01	0.079	0.089
	LTE Band 12_Main PA	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	23095	707.5	23.97	24.50	1.130	-	-	-0.09	0.042	0.047
835MHz																					
	LTE Band 5_Main PA	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	20525	836.5	19.74	21.50	1.500	-	-	0.04	0.353	0.529
	LTE Band 5_Main PA	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	20525	836.5	19.74	21.50	1.500	-	-	0.11	0.344	0.516
	LTE Band 5_Main PA	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	20525	836.5	19.74	21.50	1.500	-	-	0.1	0.239	0.358
	LTE Band 5_Main PA	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	20525	836.5	19.74	21.50	1.500	-	-	0.03	0.193	0.289
	LTE Band 5_Main PA	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	20525	836.5	19.69	21.50	1.517	-	-	0.04	0.356	0.540
	LTE Band 5_Main PA	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	20525	836.5	19.69	21.50	1.517	-	-	-0.02	0.353	0.536
	LTE Band 5_Main PA	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	20525	836.5	19.69	21.50	1.517	-	-	0.1	0.260	0.394
	LTE Band 5_Main PA	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	20525	836.5	19.69	21.50	1.517	-	-	-0.08	0.199	0.302
	LTE Band 5_Main PA	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	20525	836.5	24.47	25.50	1.268	-	-	0.08	0.181	0.229
	LTE Band 5_Main PA	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	20525	836.5	24.47	25.50	1.268	-	-	0.12	0.109	0.138
	LTE Band 5_Main PA	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	20525	836.5	24.47	25.50	1.268	-	-	-0.14	0.178	0.226
	LTE Band 5_Main PA	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	20525	836.5	24.47	25.50	1.268	-	-	-0.06	0.098	0.124
	LTE Band 5_Main PA	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	20525	836.5	23.43	24.50	1.279	-	-	-0.11	0.168	0.215
	LTE Band 5_Main PA	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	20525	836.5	23.43	24.50	1.279	-	-	-0.09	0.098	0.125
	LTE Band 5_Main PA	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	20525	836.5	23.43	24.50	1.279	-	-	0.09	0.163	0.209
	LTE Band 5_Main PA	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	20525	836.5	23.43	24.50	1.279	-	-	0.09	0.089	0.114
	N5_Main PA	20M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 1	DSI 1	Reduced	167300	836.5	20.75	21.50	1.189	-	-	0.14	0.435	0.517
	N5_Main PA	20M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 1	DSI 1	Reduced	167300	836.5	20.75	21.50	1.189	-	-	0.03	0.407	0.484
	N5_Main PA	20M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 1	DSI 1	Reduced	167300	836.5	20.75	21.50	1.189	-	-	-0.12	0.299	0.355
	N5_Main PA	20M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 1	DSI 1	Reduced	167300	836.5	20.75	21.50	1.189	-	-	0.07	0.274	0.326
	N5_Main PA	20M	BPSK	50	28	DFT-15	Right Cheek	0mm	Ant 1	DSI 1	Reduced	167300	836.5	20.71	21.50	1.199	-	-	0.11	0.444	0.533
	N5_Main PA	20M	BPSK	50	28	DFT-15	Right Tilted	0mm	Ant 1	DSI 1	Reduced	167300	836.5	20.71	21.50	1.199	-	-	-0.09	0.432	0.518
	N5_Main PA	20M	BPSK	50	28	DFT-15	Left Cheek	0mm	Ant 1	DSI 1	Reduced	167300	836.5	20.71	21.50	1.199	-	-	0.02	0.314	0.377
	N5_Main PA	20M	BPSK	50	28	DFT-15	Left Tilted	0mm	Ant 1	DSI 1	Reduced	167300	836.5	20.71	21.50	1.199	-	-	0.05	0.288	0.345
	N5_Main PA	20M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 0	DSI 1	Full	167300	836.5	24.58	25.50	1.236	-	-	0.12	0.218	0.269
	N5_Main PA	20M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 0	DSI 1	Full	167300	836.5	24.58	25.50	1.236	-	-	0.14	0.138	0.171
	N5_Main PA	20M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 0	DSI 1	Full	167300	836.5	24.58	25.50	1.236	-	-	-0.09	0.209	0.258
	N5_Main PA	20M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 0	DSI 1	Full	167300	836.5	24.58	25.50	1.236	-	-	-0.08	0.115	0.142
	N5_Main PA	20M	BPSK	50	28	DFT-15	Right Cheek	0mm	Ant 0	DSI 1	Full	167300	836.5	24.50	25.50	1.259	-	-	-0.1	0.213	0.268
	N5_Main PA	20M	BPSK	50	28	DFT-15	Right Tilted	0mm	Ant 0	DSI 1	Full	167300	836.5	24.50	25.50	1.259	-	-	0.16	0.133	0.167
	N5_Main PA	20M	BPSK	50	28	DFT-15	Left Cheek	0mm	Ant 0	DSI 1	Full	167300	836.5	24.50	25.50	1.259	-	-	0.07	0.201	0.253
	N5_Main PA	20M	BPSK	50	28	DFT-15	Left Tilted	0mm	Ant 0	DSI 1	Full	167300	836.5	24.50	25.50	1.259	-	-	-0.07	0.111	0.140
1750MHz																					
	LTE Band 4_Main PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	20175	1732.5	18.23	19.50	1.340	-	-	-0.15	0.392	0.525
	LTE Band 4_Main PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	20175	1732.5	18.23	19.50	1.340	-	-	-0.05	0.075	0.100

	LTE Band 4_Main PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	20175	1732.5	18.23	19.50	1.340	-	-	0.13	0.193	0.259
	LTE Band 4_Main PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	20175	1732.5	18.23	19.50	1.340	-	-	-0.01	0.049	0.066
	LTE Band 4_Main PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	20175	1732.5	18.20	19.50	1.349	-	-	0.15	0.403	0.544
	LTE Band 4_Main PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	20175	1732.5	18.20	19.50	1.349	-	-	0.16	0.085	0.115
	LTE Band 4_Main PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	20175	1732.5	18.20	19.50	1.349	-	-	0.1	0.211	0.285
	LTE Band 4_Main PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	20175	1732.5	18.20	19.50	1.349	-	-	-0.05	0.052	0.070
	LTE Band 4_Main PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	20175	1732.5	24.63	25.50	1.222	-	-	-0.07	0.207	0.253
	LTE Band 4_Main PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	20175	1732.5	24.63	25.50	1.222	-	-	0.1	0.104	0.127
	LTE Band 4_Main PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	20175	1732.5	24.63	25.50	1.222	-	-	-0.12	0.162	0.198
	LTE Band 4_Main PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	20175	1732.5	24.63	25.50	1.222	-	-	0.11	0.103	0.126
	LTE Band 4_Main PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	20175	1732.5	23.60	24.50	1.230	-	-	0.14	0.158	0.194
	LTE Band 4_Main PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	20175	1732.5	23.60	24.50	1.230	-	-	0.08	0.087	0.107
	LTE Band 4_Main PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	20175	1732.5	23.60	24.50	1.230	-	-	-0.15	0.134	0.165
	LTE Band 4_Main PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	20175	1732.5	23.60	24.50	1.230	-	-	0.11	0.083	0.102
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	132322	1745	14.28	15.50	1.324	-	-	-0.02	0.355	0.470
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	132322	1745	14.28	15.50	1.324	-	-	-0.06	0.287	0.380
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	132322	1745	14.28	15.50	1.324	-	-	-0.09	0.177	0.234
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	132322	1745	14.28	15.50	1.324	-	-	0.09	0.199	0.264
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	132322	1745	14.25	15.50	1.334	-	-	0.03	0.372	0.496
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	132322	1745	14.25	15.50	1.334	-	-	0.13	0.289	0.385
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	132322	1745	14.25	15.50	1.334	-	-	0.02	0.181	0.241
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	132322	1745	14.25	15.50	1.334	-	-	-0.1	0.203	0.271
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	132322	1745	21.58	23.00	1.387	-	-	0.16	0.056	0.078
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	132322	1745	21.58	23.00	1.387	-	-	0.08	0.029	0.040
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	132322	1745	21.58	23.00	1.387	-	-	0.12	0.055	0.076
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	132322	1745	21.58	23.00	1.387	-	-	-0.02	0.021	0.029
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	132322	1745	20.60	22.00	1.380	-	-	0.13	0.046	0.063
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	132322	1745	20.60	22.00	1.380	-	-	-0.12	0.021	0.029
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	132322	1745	20.60	22.00	1.380	-	-	0.04	0.045	0.062
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	132322	1745	20.60	22.00	1.380	-	-	0.04	0.014	0.019
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	132322	1745	17.59	19.00	1.384	-	-	0.14	0.354	0.490
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	132322	1745	17.59	19.00	1.384	-	-	0.08	0.069	0.095
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	132322	1745	17.59	19.00	1.384	-	-	0.07	0.206	0.285
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	132322	1745	17.59	19.00	1.384	-	-	-0.06	0.048	0.066
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	132322	1745	17.43	19.00	1.435	-	-	0.16	0.358	0.514
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	132322	1745	17.43	19.00	1.435	-	-	0.02	0.073	0.105
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	132322	1745	17.43	19.00	1.435	-	-	-0.15	0.212	0.304
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	132322	1745	17.43	19.00	1.435	-	-	-0.14	0.050	0.072
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	132322	1745	23.54	24.50	1.247	-	-	0.16	0.149	0.186
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	132322	1745	23.54	24.50	1.247	-	-	-0.13	0.086	0.107
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	132322	1745	23.54	24.50	1.247	-	-	0.01	0.128	0.160
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	132322	1745	23.54	24.50	1.247	-	-	0.09	0.075	0.094
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	132322	1745	22.62	23.50	1.225	-	-	-0.01	0.120	0.147
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	132322	1745	22.62	23.50	1.225	-	-	-0.01	0.071	0.087
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	132322	1745	22.62	23.50	1.225	-	-	0.14	0.101	0.124
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	132322	1745	22.62	23.50	1.225	-	-	0.04	0.056	0.069
	N66_Main PA	40M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 3	DSI 1	Reduced	349000	1745	16.61	18.00	1.377	-	-	-0.03	0.359	0.494
	N66_Main PA	40M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 3	DSI 1	Reduced	349000	1745	16.61	18.00	1.377	-	-	-0.11	0.056	0.077
	N66_Main PA	40M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 3	DSI 1	Reduced	349000	1745	16.61	18.00	1.377	-	-	-0.05	0.197	0.271
	N66_Main PA	40M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 3	DSI 1	Reduced	349000	1745	16.61	18.00	1.377	-	-	-0.12	0.036	0.050
	N66_Main PA	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 3	DSI 1	Reduced	349000	1745	16.53	18.00	1.403	-	-	-0.13	0.385	0.540
	N66_Main PA	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 3	DSI 1	Reduced	349000	1745	16.53	18.00	1.403	-	-	0.05	0.058	0.081
	N66_Main PA	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 3	DSI 1	Reduced	349000	1745	16.53	18.00	1.403	-	-	0.09	0.198	0.278
	N66_Main PA	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 3	DSI 1	Reduced	349000	1745	16.53	18.00	1.403	-	-	0.07	0.040	0.056
	N66_Main PA	40M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 2	DSI 1	Full	349000	1745	23.81	24.50	1.172	-	-	-0.14	0.128	0.150
	N66_Main PA	40M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 2	DSI 1	Full	349000	1745	23.81	24.50	1.172	-	-	-0.02	0.073	0.086

	N66_Main PA	40M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 2	DSI 1	Full	349000	1745	23.81	24.50	1.172	-	-	-0.05	0.101	0.118
	N66_Main PA	40M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 2	DSI 1	Full	349000	1745	23.81	24.50	1.172	-	-	0.09	0.065	0.076
	N66_Main PA	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 2	DSI 1	Full	349000	1745	23.79	24.50	1.178	-	-	-0.06	0.126	0.148
	N66_Main PA	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 2	DSI 1	Full	349000	1745	23.79	24.50	1.178	-	-	-0.13	0.070	0.082
	N66_Main PA	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 2	DSI 1	Full	349000	1745	23.79	24.50	1.178	-	-	0.08	0.098	0.115
	N66_Main PA	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 2	DSI 1	Full	349000	1745	23.79	24.50	1.178	-	-	-0.04	0.063	0.074
1900MHz																					
	LTE Band 2_Main PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	18900	1880	18.79	20.00	1.321	-	-	0.14	0.336	0.444
	LTE Band 2_Main PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	18900	1880	18.79	20.00	1.321	-	-	0.01	0.086	0.114
	LTE Band 2_Main PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	18900	1880	18.79	20.00	1.321	-	-	0.06	0.226	0.299
	LTE Band 2_Main PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	18900	1880	18.79	20.00	1.321	-	-	-0.16	0.048	0.063
	LTE Band 2_Main PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	18900	1880	18.61	20.00	1.377	-	-	-0.05	0.362	0.499
	LTE Band 2_Main PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	18900	1880	18.61	20.00	1.377	-	-	-0.11	0.093	0.128
	LTE Band 2_Main PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	18900	1880	18.61	20.00	1.377	-	-	0.16	0.241	0.332
	LTE Band 2_Main PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	18900	1880	18.61	20.00	1.377	-	-	0.06	0.052	0.072
	LTE Band 2_Main PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	18900	1880	24.48	25.50	1.265	-	-	-0.05	0.078	0.099
	LTE Band 2_Main PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	18900	1880	24.48	25.50	1.265	-	-	0.03	0.077	0.097
	LTE Band 2_Main PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	18900	1880	24.48	25.50	1.265	-	-	0.06	0.132	0.167
	LTE Band 2_Main PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	18900	1880	24.48	25.50	1.265	-	-	-0.11	0.087	0.110
	LTE Band 2_Main PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	18900	1880	23.27	24.50	1.327	-	-	-0.15	0.064	0.085
	LTE Band 2_Main PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	18900	1880	23.27	24.50	1.327	-	-	0.09	0.063	0.084
	LTE Band 2_Main PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	18900	1880	23.27	24.50	1.327	-	-	0.14	0.094	0.125
	LTE Band 2_Main PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	18900	1880	23.27	24.50	1.327	-	-	-0.05	0.065	0.086
2600MHz																					
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	21100	2535	14.87	16.00	1.297	-	-	-0.14	0.384	0.498
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	21100	2535	14.87	16.00	1.297	-	-	0.15	0.268	0.348
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	21100	2535	14.87	16.00	1.297	-	-	0.14	0.174	0.226
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	21100	2535	14.87	16.00	1.297	-	-	-0.14	0.191	0.248
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	21100	2535	14.86	16.00	1.300	-	-	0.04	0.343	0.446
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	21100	2535	14.86	16.00	1.300	-	-	0.16	0.260	0.338
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	21100	2535	14.86	16.00	1.300	-	-	0.06	0.167	0.217
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	21100	2535	14.86	16.00	1.300	-	-	0.11	0.184	0.239
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	21100	2535	21.87	23.00	1.297	-	-	-0.02	0.109	0.141
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	21100	2535	21.87	23.00	1.297	-	-	-0.02	0.034	0.044
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	21100	2535	21.87	23.00	1.297	-	-	-0.07	0.054	0.070
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	21100	2535	21.87	23.00	1.297	-	-	0.02	0.044	0.057
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	21100	2535	20.86	22.00	1.300	-	-	-0.07	0.092	0.120
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	21100	2535	20.86	22.00	1.300	-	-	0.02	0.027	0.035
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	21100	2535	20.86	22.00	1.300	-	-	0.05	0.047	0.061
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	21100	2535	20.86	22.00	1.300	-	-	0.14	0.041	0.053
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	21100	2535	17.26	18.20	1.242	-	-	0.05	0.353	0.438
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	21100	2535	17.26	18.20	1.242	-	-	0.15	0.093	0.115
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	21100	2535	17.26	18.20	1.242	-	-	-0.03	0.166	0.206
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	21100	2535	17.26	18.20	1.242	-	-	-0.12	0.054	0.067
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	21100	2535	17.11	18.20	1.285	-	-	0.15	0.409	0.526
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	21100	2535	17.11	18.20	1.285	-	-	-0.05	0.094	0.121
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	21100	2535	17.11	18.20	1.285	-	-	0.04	0.175	0.225
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	21100	2535	17.11	18.20	1.285	-	-	-0.07	0.055	0.071
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	21100	2535	24.73	25.50	1.194	-	-	-0.11	0.203	0.242
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	21100	2535	24.73	25.50	1.194	-	-	0.08	0.112	0.134
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	21100	2535	24.73	25.50	1.194	-	-	-0.01	0.400	0.478
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	21100	2535	24.73	25.50	1.194	-	-	-0.02	0.115	0.137
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	21100	2535	23.51	24.50	1.256	-	-	0.01	0.163	0.205
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	21100	2535	23.51	24.50	1.256	-	-	0.13	0.095	0.119
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	21100	2535	23.51	24.50	1.256	-	-	-0.02	0.330	0.414
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	21100	2535	23.51	24.50	1.256	-	-	0.05	0.093	0.117

	LTE Band 38_Main PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	38000	2595	17.10	18.00	1.230	62.9	1.006	0.15	0.259	0.321
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	38000	2595	17.10	18.00	1.230	62.9	1.006	0.06	0.221	0.274
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	38000	2595	17.10	18.00	1.230	62.9	1.006	0.03	0.124	0.153
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	38000	2595	17.10	18.00	1.230	62.9	1.006	0.02	0.130	0.161
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	38000	2595	17.08	18.00	1.236	62.9	1.006	-0.05	0.288	0.358
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	38000	2595	17.08	18.00	1.236	62.9	1.006	-0.05	0.230	0.286
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	38000	2595	17.08	18.00	1.236	62.9	1.006	0.05	0.125	0.155
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	38000	2595	17.08	18.00	1.236	62.9	1.006	-0.01	0.132	0.164
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	38000	2595	21.84	23.00	1.306	62.9	1.006	-0.08	0.061	0.080
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	38000	2595	21.84	23.00	1.306	62.9	1.006	-0.09	0.051	0.067
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	38000	2595	21.84	23.00	1.306	62.9	1.006	-0.02	0.055	0.072
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	38000	2595	21.84	23.00	1.306	62.9	1.006	0.12	0.046	0.060
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	38000	2595	20.75	22.00	1.334	62.9	1.006	-0.07	0.051	0.068
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	38000	2595	20.75	22.00	1.334	62.9	1.006	-0.02	0.049	0.066
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	38000	2595	20.75	22.00	1.334	62.9	1.006	0.05	0.053	0.071
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	38000	2595	20.75	22.00	1.334	62.9	1.006	-0.09	0.044	0.059
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	38000	2595	19.65	20.70	1.274	62.9	1.006	-0.01	0.406	0.520
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	38000	2595	19.65	20.70	1.274	62.9	1.006	0.07	0.086	0.110
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	38000	2595	19.65	20.70	1.274	62.9	1.006	-0.02	0.277	0.355
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	38000	2595	19.65	20.70	1.274	62.9	1.006	0.05	0.047	0.060
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	38000	2595	19.63	20.70	1.279	62.9	1.006	-0.01	0.418	0.538
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	38000	2595	19.63	20.70	1.279	62.9	1.006	0.02	0.088	0.113
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	38000	2595	19.63	20.70	1.279	62.9	1.006	-0.14	0.279	0.359
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	38000	2595	19.63	20.70	1.279	62.9	1.006	-0.04	0.049	0.063
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	38000	2595	24.45	25.50	1.274	62.9	1.006	0.04	0.146	0.187
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	38000	2595	24.45	25.50	1.274	62.9	1.006	0.16	0.066	0.085
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	38000	2595	24.45	25.50	1.274	62.9	1.006	0.13	0.262	0.336
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	38000	2595	24.45	25.50	1.274	62.9	1.006	-0.16	0.070	0.090
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	38000	2595	23.42	24.50	1.282	62.9	1.006	0.16	0.122	0.157
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	38000	2595	23.42	24.50	1.282	62.9	1.006	-0.16	0.051	0.066
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	38000	2595	23.42	24.50	1.282	62.9	1.006	0.13	0.212	0.273
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	38000	2595	23.42	24.50	1.282	62.9	1.006	0.12	0.051	0.066
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	40620	2593	17.63	18.50	1.222	62.9	1.006	-0.04	0.298	0.366
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	40620	2593	17.63	18.50	1.222	62.9	1.006	0.1	0.240	0.295
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	40620	2593	17.63	18.50	1.222	62.9	1.006	-0.06	0.137	0.168
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	40620	2593	17.63	18.50	1.222	62.9	1.006	-0.15	0.141	0.173
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	40620	2593	17.57	18.50	1.239	62.9	1.006	0.05	0.265	0.330
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	40620	2593	17.57	18.50	1.239	62.9	1.006	-0.06	0.223	0.278
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	40620	2593	17.57	18.50	1.239	62.9	1.006	0.04	0.130	0.162
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	40620	2593	17.57	18.50	1.239	62.9	1.006	-0.11	0.135	0.168
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	40620	2593	21.98	23.00	1.265	62.9	1.006	-0.14	0.065	0.083
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	40620	2593	21.98	23.00	1.265	62.9	1.006	-0.05	0.052	0.066
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	40620	2593	21.98	23.00	1.265	62.9	1.006	0.04	0.058	0.074
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	40620	2593	21.98	23.00	1.265	62.9	1.006	0.16	0.047	0.060
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	40620	2593	20.87	22.00	1.297	62.9	1.006	-0.15	0.046	0.060
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	40620	2593	20.87	22.00	1.297	62.9	1.006	-0.13	0.045	0.059
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	40620	2593	20.87	22.00	1.297	62.9	1.006	-0.11	0.051	0.067
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	40620	2593	20.87	22.00	1.297	62.9	1.006	0.13	0.041	0.054
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	40620	2593	18.80	20.00	1.318	62.9	1.006	0.16	0.377	0.500
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	40620	2593	18.80	20.00	1.318	62.9	1.006	0.09	0.073	0.097
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	40620	2593	18.80	20.00	1.318	62.9	1.006	0.07	0.142	0.188
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	40620	2593	18.80	20.00	1.318	62.9	1.006	0.11	0.039	0.052
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	40620	2593	18.77	20.00	1.327	62.9	1.006	0.03	0.368	0.491
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	40620	2593	18.77	20.00	1.327	62.9	1.006	-0.03	0.071	0.095
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	40620	2593	18.77	20.00	1.327	62.9	1.006	0.15	0.139	0.186
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	40620	2593	18.77	20.00	1.327	62.9	1.006	-0.05	0.035	0.047

	LTE Band 41_Main PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	40620	2593	24.56	25.50	1.242	62.9	1.006	-0.13	0.142	0.177
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	40620	2593	24.56	25.50	1.242	62.9	1.006	-0.16	0.065	0.081
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	40620	2593	24.56	25.50	1.242	62.9	1.006	-0.15	0.250	0.312
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	40620	2593	24.56	25.50	1.242	62.9	1.006	-0.1	0.072	0.090
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	40620	2593	23.47	24.50	1.268	62.9	1.006	-0.11	0.119	0.152
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	40620	2593	23.47	24.50	1.268	62.9	1.006	0.13	0.051	0.065
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	40620	2593	23.47	24.50	1.268	62.9	1.006	0.1	0.195	0.249
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	40620	2593	23.47	24.50	1.268	62.9	1.006	0.09	0.055	0.070
	N7_Main PA	40M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 3	DSI 1	Reduced	507000	2535	18.40	18.70	1.072	-	-	-0.13	0.474	0.508
	N7_Main PA	40M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 3	DSI 1	Reduced	507000	2535	18.40	18.70	1.072	-	-	-0.15	0.107	0.115
	N7_Main PA	40M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 3	DSI 1	Reduced	507000	2535	18.40	18.70	1.072	-	-	0.15	0.230	0.246
	N7_Main PA	40M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 3	DSI 1	Reduced	507000	2535	18.40	18.70	1.072	-	-	0.06	0.060	0.064
	N7_Main PA	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 3	DSI 1	Reduced	507000	2535	18.22	18.70	1.117	-	-	-0.16	0.475	0.531
	N7_Main PA	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 3	DSI 1	Reduced	507000	2535	18.22	18.70	1.117	-	-	-0.1	0.107	0.120
	N7_Main PA	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 3	DSI 1	Reduced	507000	2535	18.22	18.70	1.117	-	-	0.02	0.276	0.308
	N7_Main PA	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 3	DSI 1	Reduced	507000	2535	18.22	18.70	1.117	-	-	0.14	0.064	0.071
	N7_Main PA	40M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 2	DSI 1	Full	507000	2535	24.33	25.50	1.309	-	-	-0.06	0.121	0.158
	N7_Main PA	40M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 2	DSI 1	Full	507000	2535	24.33	25.50	1.309	-	-	-0.1	0.060	0.079
	N7_Main PA	40M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 2	DSI 1	Full	507000	2535	24.33	25.50	1.309	-	-	-0.16	0.241	0.316
	N7_Main PA	40M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 2	DSI 1	Full	507000	2535	24.33	25.50	1.309	-	-	0.1	0.076	0.099
	N7_Main PA	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 2	DSI 1	Full	507000	2535	24.27	25.50	1.327	-	-	0.11	0.114	0.151
	N7_Main PA	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 2	DSI 1	Full	507000	2535	24.27	25.50	1.327	-	-	-0.07	0.059	0.078
	N7_Main PA	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 2	DSI 1	Full	507000	2535	24.27	25.50	1.327	-	-	-0.16	0.231	0.307
	N7_Main PA	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 2	DSI 1	Full	507000	2535	24.27	25.50	1.327	-	-	0.04	0.074	0.098
	N38_Main PA	40M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 3	DSI 1	Reduced	519000	2595	17.20	18.00	1.202	-	-	-0.08	0.421	0.506
	N38_Main PA	40M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 3	DSI 1	Reduced	519000	2595	17.20	18.00	1.202	-	-	-0.11	0.092	0.111
	N38_Main PA	40M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 3	DSI 1	Reduced	519000	2595	17.20	18.00	1.202	-	-	0.04	0.235	0.283
	N38_Main PA	40M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 3	DSI 1	Reduced	519000	2595	17.20	18.00	1.202	-	-	0.1	0.056	0.067
	N38_Main PA	40M	BPSK	50	28	DFT-30	Right Cheek	0mm	Ant 3	DSI 1	Reduced	519000	2595	17.09	18.00	1.233	-	-	0.02	0.390	0.481
	N38_Main PA	40M	BPSK	50	28	DFT-30	Right Tilted	0mm	Ant 3	DSI 1	Reduced	519000	2595	17.09	18.00	1.233	-	-	-0.03	0.090	0.111
	N38_Main PA	40M	BPSK	50	28	DFT-30	Left Cheek	0mm	Ant 3	DSI 1	Reduced	519000	2595	17.09	18.00	1.233	-	-	0.13	0.229	0.282
	N38_Main PA	40M	BPSK	50	28	DFT-30	Left Tilted	0mm	Ant 3	DSI 1	Reduced	519000	2595	17.09	18.00	1.233	-	-	0.14	0.054	0.067
	N38_Main PA	40M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 2	DSI 1	Full	519000	2595	24.67	25.00	1.079	-	-	-0.1	0.103	0.111
	N38_Main PA	40M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 2	DSI 1	Full	519000	2595	24.67	25.00	1.079	-	-	-0.05	0.056	0.060
	N38_Main PA	40M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 2	DSI 1	Full	519000	2595	24.67	25.00	1.079	-	-	-0.12	0.214	0.231
	N38_Main PA	40M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 2	DSI 1	Full	519000	2595	24.67	25.00	1.079	-	-	-0.01	0.053	0.057
	N38_Main PA	40M	BPSK	50	28	DFT-30	Right Cheek	0mm	Ant 2	DSI 1	Full	519000	2595	24.45	25.00	1.135	-	-	-0.11	0.107	0.121
	N38_Main PA	40M	BPSK	50	28	DFT-30	Right Tilted	0mm	Ant 2	DSI 1	Full	519000	2595	24.45	25.00	1.135	-	-	0.09	0.066	0.075
	N38_Main PA	40M	BPSK	50	28	DFT-30	Left Cheek	0mm	Ant 2	DSI 1	Full	519000	2595	24.45	25.00	1.135	-	-	0.05	0.219	0.249
	N38_Main PA	40M	BPSK	50	28	DFT-30	Left Tilted	0mm	Ant 2	DSI 1	Full	519000	2595	24.45	25.00	1.135	-	-	-0.15	0.055	0.062
	N41_Main PA	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 3	DSI 1	Reduced	518598	2592.99	16.62	18.00	1.374	-	-	0.15	0.384	0.528
	N41_Main PA	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 3	DSI 1	Reduced	518598	2592.99	16.62	18.00	1.374	-	-	0.07	0.086	0.118
	N41_Main PA	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 3	DSI 1	Reduced	518598	2592.99	16.62	18.00	1.374	-	-	0.08	0.205	0.282
	N41_Main PA	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 3	DSI 1	Reduced	518598	2592.99	16.62	18.00	1.374	-	-	0.08	0.052	0.071
	N41_Main PA	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 3	DSI 1	Reduced	518598	2592.99	16.59	18.00	1.384	-	-	-0.08	0.409	0.566
	N41_Main PA	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 3	DSI 1	Reduced	518598	2592.99	16.59	18.00	1.384	-	-	0.05	0.086	0.119
	N41_Main PA	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 3	DSI 1	Reduced	518598	2592.99	16.59	18.00	1.384	-	-	0.02	0.207	0.286
	N41_Main PA	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 3	DSI 1	Reduced	518598	2592.99	16.59	18.00	1.384	-	-	0.05	0.053	0.073
	N41_Main PA	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 2	DSI 1	Full	518598	2592.99	24.25	25.00	1.189	-	-	0.09	0.105	0.125
	N41_Main PA	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 2	DSI 1	Full	518598	2592.99	24.25	25.00	1.189	-	-	0.03	0.063	0.075
	N41_Main PA	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 2	DSI 1	Full	518598	2592.99	24.25	25.00	1.189	-	-	-0.16	0.213	0.253
	N41_Main PA	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 2	DSI 1	Full	518598	2592.99	24.25	25.00	1.189	-	-	0.06	0.058	0.069
	N41_Main PA	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 2	DSI 1	Full	518598	2592.99	24.17	25.00	1.211	-	-	-0.01	0.099	0.120
	N41_Main PA	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 2	DSI 1	Full	518598	2592.99	24.17	25.00	1.211	-	-	0.03	0.057	0.069
	N41_Main PA	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 2	DSI 1	Full	518598	2592.99	24.17	25.00	1.211	-	-	-0.09	0.191	0.231
	N41_Main PA	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 2	DSI 1	Full	518598	2592.99	24.17	25.00	1.211	-	-	-0.12	0.049	0.059

3500-3900MHz																					
	N78_Main PA	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	16.21	18.00	1.510	-	-	0.14	0.314	0.474
	N78_Main PA	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	16.21	18.00	1.510	-	-	0.02	0.082	0.124
	N78_Main PA	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	16.21	18.00	1.510	-	-	0.06	0.206	0.311
	N78_Main PA	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	16.21	18.00	1.510	-	-	-0.1	0.049	0.074
	N78_Main PA	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	16.08	18.00	1.556	-	-	-0.14	0.344	0.535
	N78_Main PA	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	16.08	18.00	1.556	-	-	0.08	0.092	0.143
	N78_Main PA	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	16.08	18.00	1.556	-	-	0.01	0.235	0.366
	N78_Main PA	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	16.08	18.00	1.556	-	-	0.03	0.058	0.090
	N78_Main PA	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 4	DSI 1	Reduced	650000	3750	16.10	18.00	1.549	-	-	-0.12	0.201	0.311
	N78_Main PA	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 4	DSI 1	Reduced	650000	3750	16.10	18.00	1.549	-	-	0.16	0.073	0.113
	N78_Main PA	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 4	DSI 1	Reduced	650000	3750	16.10	18.00	1.549	-	-	0.01	0.156	0.242
	N78_Main PA	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 4	DSI 1	Reduced	650000	3750	16.10	18.00	1.549	-	-	-0.09	0.044	0.068
	N78_Main PA	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DSI 1	Reduced	650000	3750	16.06	18.00	1.563	-	-	-0.08	0.177	0.277
	N78_Main PA	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DSI 1	Reduced	650000	3750	16.06	18.00	1.563	-	-	0.07	0.062	0.097
	N78_Main PA	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DSI 1	Reduced	650000	3750	16.06	18.00	1.563	-	-	-0.16	0.147	0.230
	N78_Main PA	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DSI 1	Reduced	650000	3750	16.06	18.00	1.563	-	-	-0.16	0.035	0.055
	N78_Main PA	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	14.68	16.00	1.355	-	-	-0.08	0.257	0.348
	N78_Main PA	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	14.68	16.00	1.355	-	-	-0.01	0.266	0.360
	N78_Main PA	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	14.68	16.00	1.355	-	-	0.01	0.304	0.412
	N78_Main PA	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	14.68	16.00	1.355	-	-	0.07	0.375	0.508
	N78_Main PA	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	14.56	16.00	1.393	-	-	0.02	0.259	0.361
	N78_Main PA	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	14.56	16.00	1.393	-	-	0.03	0.267	0.372
	N78_Main PA	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	14.56	16.00	1.393	-	-	0.14	0.305	0.425
	N78_Main PA	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 5	DSI 1	Reduced	633334	3500.01	14.56	16.00	1.393	-	-	0.1	0.389	0.542
	N78_Main PA	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 5	DSI 1	Reduced	650000	3750	14.68	16.00	1.355	-	-	-0.03	0.236	0.320
	N78_Main PA	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 5	DSI 1	Reduced	650000	3750	14.68	16.00	1.355	-	-	-0.15	0.256	0.347
	N78_Main PA	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 5	DSI 1	Reduced	650000	3750	14.68	16.00	1.355	-	-	-0.06	0.324	0.439
	N78_Main PA	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 5	DSI 1	Reduced	650000	3750	14.68	16.00	1.355	-	-	0	0.361	0.489
	N78_Main PA	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 5	DSI 1	Reduced	650000	3750	14.65	16.00	1.365	-	-	0.14	0.232	0.317
	N78_Main PA	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 5	DSI 1	Reduced	650000	3750	14.65	16.00	1.365	-	-	-0.11	0.249	0.340
	N78_Main PA	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 5	DSI 1	Reduced	650000	3750	14.65	16.00	1.365	-	-	0.08	0.310	0.423
	N78_Main PA	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 5	DSI 1	Reduced	650000	3750	14.65	16.00	1.365	-	-	0.06	0.345	0.471
	N78_Main PA	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	13.02	14.00	1.253	-	-	-0.12	0.077	0.096
	N78_Main PA	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	13.02	14.00	1.253	-	-	0.1	0.033	0.041
	N78_Main PA	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	13.02	14.00	1.253	-	-	0.11	0.175	0.219
	N78_Main PA	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	13.02	14.00	1.253	-	-	-0.04	0.083	0.104
	N78_Main PA	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	12.97	14.00	1.268	-	-	0.14	0.082	0.104
	N78_Main PA	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	12.97	14.00	1.268	-	-	0.04	0.042	0.053
	N78_Main PA	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	12.97	14.00	1.268	-	-	-0.08	0.178	0.226
	N78_Main PA	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	12.97	14.00	1.268	-	-	0.13	0.100	0.127
	N78_Main PA	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 6	DSI 1	Reduced	650000	3750	13.06	14.00	1.242	-	-	-0.04	0.139	0.173
	N78_Main PA	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 6	DSI 1	Reduced	650000	3750	13.06	14.00	1.242	-	-	0.02	0.079	0.098
	N78_Main PA	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 6	DSI 1	Reduced	650000	3750	13.06	14.00	1.242	-	-	-0.08	0.411	0.510
	N78_Main PA	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 6	DSI 1	Reduced	650000	3750	13.06	14.00	1.242	-	-	0.09	0.221	0.274
	N78_Main PA	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 6	DSI 1	Reduced	650000	3750	12.98	14.00	1.265	-	-	0.09	0.141	0.178
	N78_Main PA	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 6	DSI 1	Reduced	650000	3750	12.98	14.00	1.265	-	-	-0.09	0.085	0.108
	N78_Main PA	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 6	DSI 1	Reduced	650000	3750	12.98	14.00	1.265	-	-	-0.14	0.430	0.544
	N78_Main PA	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 6	DSI 1	Reduced	650000	3750	12.98	14.00	1.265	-	-	0.09	0.222	0.281
	N78_Main PA	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 7	DSI 1	Reduced	633334	3500.01	16.56	18.00	1.393	-	-	0.09	0.112	0.156
	N78_Main PA	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 7	DSI 1	Reduced	633334	3500.01	16.56	18.00	1.393	-	-	-0.09	0.058	0.081
	N78_Main PA	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 7	DSI 1	Reduced	633334	3500.01	16.56	18.00	1.393	-	-	-0.07	0.043	0.060
	N78_Main PA	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 7	DSI 1	Reduced	633334	3500.01	16.56	18.00	1.393	-	-	-0.08	0.016	0.022
	N78_Main PA	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 7	DSI 1	Reduced	633334	3500.01	16.43	18.00	1.435	-	-	0.04	0.119	0.171
	N78_Main PA	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 7	DSI 1	Reduced	633334	3500.01	16.43	18.00	1.435	-	-	0.01	0.070	0.100
	N78_Main PA	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 7	DSI 1	Reduced	633334	3500.01	16.43	18.00	1.435	-	-	0.04	0.044	0.063

	N78_Main PA	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 7	DSI 1	Reduced	633334	3500.01	16.43	18.00	1.435	-	-	-0.15	0.018	0.026
	N78_Main PA	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 7	DSI 1	Reduced	650000	3750	16.35	18.00	1.462	-	-	0.06	0.281	0.411
	N78_Main PA	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 7	DSI 1	Reduced	650000	3750	16.35	18.00	1.462	-	-	-0.16	0.102	0.149
	N78_Main PA	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 7	DSI 1	Reduced	650000	3750	16.35	18.00	1.462	-	-	0.12	0.064	0.094
	N78_Main PA	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 7	DSI 1	Reduced	650000	3750	16.35	18.00	1.462	-	-	-0.04	0.030	0.044
	N78_Main PA	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 7	DSI 1	Reduced	650000	3750	16.25	18.00	1.496	-	-	0.07	0.348	0.521
	N78_Main PA	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 7	DSI 1	Reduced	650000	3750	16.25	18.00	1.496	-	-	-0.12	0.134	0.200
	N78_Main PA	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 7	DSI 1	Reduced	650000	3750	16.25	18.00	1.496	-	-	0.11	0.084	0.126
	N78_Main PA	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 7	DSI 1	Reduced	650000	3750	16.25	18.00	1.496	-	-	-0.08	0.053	0.079

DL CA / Inter-Band CA & EN-DC LTE Other PA

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	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)
1750MHz																			
	LTE Band 4_Other PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	20175	1732.5	14.71	15.50	1.199	0.01	0.452	0.542
	LTE Band 4_Other PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	20175	1732.5	14.71	15.50	1.199	-0.07	0.339	0.407
	LTE Band 4_Other PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	20175	1732.5	14.71	15.50	1.199	0.07	0.212	0.254
	LTE Band 4_Other PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	20175	1732.5	14.71	15.50	1.199	-0.16	0.249	0.299
	LTE Band 4_Other PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	20175	1732.5	14.69	15.50	1.205	0.01	0.433	0.522
	LTE Band 4_Other PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	20175	1732.5	14.69	15.50	1.205	-0.15	0.336	0.405
	LTE Band 4_Other PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	20175	1732.5	14.69	15.50	1.205	-0.11	0.208	0.251
	LTE Band 4_Other PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	20175	1732.5	14.69	15.50	1.205	0.01	0.245	0.295
	LTE Band 4_Other PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	20175	1732.5	23.03	24.50	1.403	0.1	0.054	0.076
	LTE Band 4_Other PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	20175	1732.5	23.03	24.50	1.403	-0.1	0.050	0.070
	LTE Band 4_Other PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	20175	1732.5	23.03	24.50	1.403	-0.12	0.053	0.074
	LTE Band 4_Other PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	20175	1732.5	23.03	24.50	1.403	-0.14	0.043	0.060
	LTE Band 4_Other PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	20175	1732.5	22.28	23.50	1.324	-0.01	0.064	0.085
	LTE Band 4_Other PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	20175	1732.5	22.28	23.50	1.324	-0.08	0.055	0.073
	LTE Band 4_Other PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	20175	1732.5	22.28	23.50	1.324	0.05	0.058	0.077
	LTE Band 4_Other PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	20175	1732.5	22.28	23.50	1.324	-0.02	0.049	0.065
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	132322	1745	14.58	15.50	1.236	0.04	0.416	0.514
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	132322	1745	14.58	15.50	1.236	0.11	0.336	0.415
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	132322	1745	14.58	15.50	1.236	-0.13	0.210	0.260
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	132322	1745	14.58	15.50	1.236	0.16	0.250	0.309
	LTE Band 66_Other PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	132322	1745	14.52	15.50	1.253	-0.12	0.407	0.510
	LTE Band 66_Other PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	132322	1745	14.52	15.50	1.253	0.16	0.328	0.411
	LTE Band 66_Other PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	132322	1745	14.52	15.50	1.253	0.13	0.204	0.256
	LTE Band 66_Other PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	132322	1745	14.52	15.50	1.253	0.14	0.243	0.305
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	132322	1745	22.14	23.50	1.368	0.11	0.055	0.075
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	132322	1745	22.14	23.50	1.368	-0.14	0.045	0.062
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	132322	1745	22.14	23.50	1.368	0.12	0.049	0.067
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	132322	1745	22.14	23.50	1.368	-0.09	0.039	0.053
	LTE Band 66_Other PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	132322	1745	21.31	22.50	1.315	0	0.051	0.067
	LTE Band 66_Other PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	132322	1745	21.31	22.50	1.315	-0.08	0.041	0.054
	LTE Band 66_Other PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	132322	1745	21.31	22.50	1.315	-0.1	0.048	0.063
	LTE Band 66_Other PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	132322	1745	21.31	22.50	1.315	0.03	0.033	0.043
	N66_Other PA	40M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 1	DSI 1	Reduced	349000	1745	14.64	15.50	1.219	0.04	0.409	0.499
	N66_Other PA	40M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 1	DSI 1	Reduced	349000	1745	14.64	15.50	1.219	0.01	0.351	0.428
	N66_Other PA	40M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 1	DSI 1	Reduced	349000	1745	14.64	15.50	1.219	-0.13	0.215	0.262
	N66_Other PA	40M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 1	DSI 1	Reduced	349000	1745	14.64	15.50	1.219	0.06	0.256	0.312
	N66_Other PA	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 1	DSI 1	Reduced	349000	1745	14.57	15.50	1.239	0.03	0.411	0.509
	N66_Other PA	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 1	DSI 1	Reduced	349000	1745	14.57	15.50	1.239	-0.03	0.354	0.439
	N66_Other PA	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 1	DSI 1	Reduced	349000	1745	14.57	15.50	1.239	-0.11	0.221	0.274
	N66_Other PA	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 1	DSI 1	Reduced	349000	1745	14.57	15.50	1.239	-0.01	0.260	0.322
	N66_Other PA	40M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 0	DSI 1	Full	349000	1745	22.28	23.50	1.324	-0.15	0.061	0.081
	N66_Other PA	40M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 0	DSI 1	Full	349000	1745	22.28	23.50	1.324	-0.04	0.050	0.066

	N66_Other PA	40M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 0	DSI 1	Full	349000	1745	22.28	23.50	1.324	0.08	0.052	0.069
	N66_Other PA	40M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 0	DSI 1	Full	349000	1745	22.28	23.50	1.324	0.04	0.042	0.056
	N66_Other PA	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 0	DSI 1	Full	349000	1745	22.24	23.50	1.337	-0.11	0.058	0.078
	N66_Other PA	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 0	DSI 1	Full	349000	1745	22.24	23.50	1.337	-0.03	0.047	0.063
	N66_Other PA	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 0	DSI 1	Full	349000	1745	22.24	23.50	1.337	0.04	0.048	0.064
	N66_Other PA	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 0	DSI 1	Full	349000	1745	22.24	23.50	1.337	-0.05	0.040	0.053
	N66_Other PA	40M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 3	DSI 1	Reduced	349000	1745	17.19	18.50	1.352	-0.12	0.257	0.347
	N66_Other PA	40M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 3	DSI 1	Reduced	349000	1745	17.19	18.50	1.352	-0.04	0.048	0.065
	N66_Other PA	40M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 3	DSI 1	Reduced	349000	1745	17.19	18.50	1.352	0.08	0.135	0.183
	N66_Other PA	40M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 3	DSI 1	Reduced	349000	1745	17.19	18.50	1.352	0.06	0.023	0.031
	N66_Other PA	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 3	DSI 1	Reduced	349000	1745	17.16	18.50	1.361	0.13	0.327	0.445
	N66_Other PA	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 3	DSI 1	Reduced	349000	1745	17.16	18.50	1.361	0.03	0.049	0.067
	N66_Other PA	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 3	DSI 1	Reduced	349000	1745	17.16	18.50	1.361	-0.09	0.143	0.195
	N66_Other PA	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 3	DSI 1	Reduced	349000	1745	17.16	18.50	1.361	-0.05	0.028	0.038
	N66_Other PA	40M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 2	DSI 1	Full	349000	1745	21.74	23.00	1.337	-0.16	0.089	0.119
	N66_Other PA	40M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 2	DSI 1	Full	349000	1745	21.74	23.00	1.337	-0.01	0.043	0.057
	N66_Other PA	40M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 2	DSI 1	Full	349000	1745	21.74	23.00	1.337	-0.02	0.080	0.107
	N66_Other PA	40M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 2	DSI 1	Full	349000	1745	21.74	23.00	1.337	0.14	0.038	0.051
	N66_Other PA	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 2	DSI 1	Full	349000	1745	21.67	23.00	1.358	-0.04	0.081	0.110
	N66_Other PA	40M	BPSK	108	54	DFT-15	Right Tilted	0mm	Ant 2	DSI 1	Full	349000	1745	21.67	23.00	1.358	-0.13	0.040	0.054
	N66_Other PA	40M	BPSK	108	54	DFT-15	Left Cheek	0mm	Ant 2	DSI 1	Full	349000	1745	21.67	23.00	1.358	-0.02	0.078	0.106
	N66_Other PA	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	Ant 2	DSI 1	Full	349000	1745	21.67	23.00	1.358	0.04	0.034	0.046
2600MHz																			
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	21100	2535	15.65	16.50	1.216	0.11	0.422	0.513
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	21100	2535	15.65	16.50	1.216	-0.09	0.302	0.367
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	21100	2535	15.65	16.50	1.216	-0.12	0.196	0.238
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	21100	2535	15.65	16.50	1.216	-0.15	0.219	0.266
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 1	Reduced	21100	2535	15.57	16.50	1.239	-0.06	0.403	0.499
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 1	Reduced	21100	2535	15.57	16.50	1.239	0.07	0.291	0.360
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DSI 1	Reduced	21100	2535	15.57	16.50	1.239	-0.11	0.190	0.235
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DSI 1	Reduced	21100	2535	15.57	16.50	1.239	0.14	0.213	0.264
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	21100	2535	22.67	24.00	1.358	0.16	0.139	0.189
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	21100	2535	22.67	24.00	1.358	0.05	0.082	0.111
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	21100	2535	22.67	24.00	1.358	-0.1	0.069	0.094
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	21100	2535	22.67	24.00	1.358	-0.07	0.055	0.075
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DSI 1	Full	21100	2535	22.25	23.50	1.334	0.11	0.129	0.172
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	DSI 1	Full	21100	2535	22.25	23.50	1.334	-0.08	0.078	0.104
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DSI 1	Full	21100	2535	22.25	23.50	1.334	-0.05	0.054	0.072
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	DSI 1	Full	21100	2535	22.25	23.50	1.334	-0.16	0.053	0.071
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	21100	2535	16.95	18.50	1.429	0.06	0.322	0.460
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	21100	2535	16.95	18.50	1.429	0.09	0.065	0.093
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	21100	2535	16.95	18.50	1.429	-0.12	0.165	0.236
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	21100	2535	16.95	18.50	1.429	0.12	0.043	0.061
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 3	DSI 1	Reduced	21100	2535	16.90	18.50	1.445	0	0.343	0.496
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 3	DSI 1	Reduced	21100	2535	16.90	18.50	1.445	0.11	0.075	0.108
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 3	DSI 1	Reduced	21100	2535	16.90	18.50	1.445	-0.13	0.167	0.241
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 3	DSI 1	Reduced	21100	2535	16.90	18.50	1.445	-0.1	0.049	0.071
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	21100	2535	22.08	23.50	1.387	-0.14	0.101	0.140
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	21100	2535	22.08	23.50	1.387	-0.13	0.054	0.075
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	21100	2535	22.08	23.50	1.387	-0.03	0.194	0.269
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	21100	2535	22.08	23.50	1.387	0.07	0.058	0.080
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 2	DSI 1	Full	21100	2535	21.59	23.00	1.384	-0.03	0.090	0.125
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 2	DSI 1	Full	21100	2535	21.59	23.00	1.384	0.07	0.052	0.072
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 2	DSI 1	Full	21100	2535	21.59	23.00	1.384	0.1	0.173	0.239
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 2	DSI 1	Full	21100	2535	21.59	23.00	1.384	0.15	0.054	0.075

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	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)
2450MHz																
	Bluetooth	DH5 1Mbps	Right Cheek	0mm	Ant 16	Full	39	2441	16.36	18.00	1.459	77.1	1.297	0.11	0.207	0.392
	Bluetooth	DH5 1Mbps	Right Tilted	0mm	Ant 16	Full	39	2441	16.36	18.00	1.459	77.1	1.297	-0.02	0.173	0.327
	Bluetooth	DH5 1Mbps	Left Cheek	0mm	Ant 16	Full	39	2441	16.36	18.00	1.459	77.1	1.297	0.03	0.362	0.685
	Bluetooth	DH5 1Mbps	Left Tilted	0mm	Ant 16	Full	39	2441	16.36	18.00	1.459	77.1	1.297	-0.01	0.354	0.670
	Bluetooth	DH5 1Mbps	Right Cheek	0mm	Ant 16	Simultaneous	0	2402	10.01	11.50	1.409	77.1	1.297	0.05	0.051	0.093
	Bluetooth	DH5 1Mbps	Right Tilted	0mm	Ant 16	Simultaneous	0	2402	10.01	11.50	1.409	77.1	1.297	0.09	0.042	0.077
	Bluetooth	DH5 1Mbps	Left Cheek	0mm	Ant 16	Simultaneous	0	2402	10.01	11.50	1.409	77.1	1.297	-0.08	0.089	0.163
	Bluetooth	DH5 1Mbps	Left Tilted	0mm	Ant 16	Simultaneous	0	2402	10.01	11.50	1.409	77.1	1.297	0.06	0.087	0.159
	Bluetooth	DH5 1Mbps	Right Cheek	0mm	Ant 18	Full	39	2441	16.3	18.00	1.479	76.14	1.313	0.06	0.210	0.408
	Bluetooth	DH5 1Mbps	Right Tilted	0mm	Ant 18	Full	39	2441	16.3	18.00	1.479	76.14	1.313	0.12	0.033	0.064
27	Bluetooth	DH5 1Mbps	Left Cheek	0mm	Ant 18	Full	39	2441	16.3	18.00	1.479	76.14	1.313	0.08	0.443	**0.860**
	Bluetooth	DH5 1Mbps	Left Tilted	0mm	Ant 18	Full	39	2441	16.3	18.00	1.479	76.14	1.313	-0.03	0.071	0.138
	Bluetooth	DH5 1Mbps	Left Cheek	0mm	Ant 18	Full	0	2402	15.76	17.50	1.493	76.14	1.313	-0.02	0.307	0.602
	Bluetooth	DH5 1Mbps	Left Cheek	0mm	Ant 18	Full	78	2480	15.21	17.00	1.510	76.14	1.313	-0.08	0.305	0.605
	Bluetooth	DH5 1Mbps	Right Cheek	0mm	Ant 18	Simultaneous	39	2441	8.87	10.00	1.297	76.14	1.313	-0.01	0.037	0.063
	Bluetooth	DH5 1Mbps	Right Tilted	0mm	Ant 18	Simultaneous	39	2441	8.87	10.00	1.297	76.14	1.313	0.09	0.006	0.010
	Bluetooth	DH5 1Mbps	Left Cheek	0mm	Ant 18	Simultaneous	39	2441	8.87	10.00	1.297	76.14	1.313	-0.08	0.079	0.135
	Bluetooth	DH5 1Mbps	Left Tilted	0mm	Ant 18	Simultaneous	39	2441	8.87	10.00	1.297	76.14	1.313	0.03	0.013	0.022
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 16+18	Standalone	6	2437	19.53	20.50	1.250	100	1.000	-0.08	0.446	0.558
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 16+18	Standalone	6	2437	19.53	20.50	1.250	100	1.000	-0.01	0.232	0.290
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 16+18	Standalone	6	2437	19.53	20.50	1.250	100	1.000	0.12	0.803	1.004
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 16+18	Standalone	6	2437	19.53	20.50	1.250	100	1.000	-0.02	0.634	0.793
28	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 16+18	Standalone	11	2462	19.49	20.50	1.262	100	1.000	0.11	0.805	**1.016**
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 16+18	Simultaneous	6	2437	13.06	14.00	1.242	100	1.000	0.01	0.109	0.135
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 16+18	Simultaneous	6	2437	13.06	14.00	1.242	100	1.000	-0.02	0.057	0.071
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 16+18	Simultaneous	6	2437	13.06	14.00	1.242	100	1.000	-0.08	0.186	0.231
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 16+18	Simultaneous	6	2437	13.06	14.00	1.242	100	1.000	-0.04	0.147	0.183
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 16+18	DBS Reduced	6	2437	18.04	19.00	1.247	100	1.000	0.02	0.320	0.399
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 16+18	DBS Reduced	6	2437	18.04	19.00	1.247	100	1.000	0.09	0.169	0.211
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 16+18	DBS Reduced	6	2437	18.04	19.00	1.247	100	1.000	0.13	0.585	0.730
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 16+18	DBS Reduced	6	2437	18.04	19.00	1.247	100	1.000	0.04	0.451	0.563
5000MHz																
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 17+18	Standalone	50	5250	16.79	18.50	1.483	99.3	1.007	0.03	0.283	0.422
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 17+18	Standalone	50	5250	16.79	18.50	1.483	99.3	1.007	0.09	0.275	0.411
29	WLAN5.3GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 17+18	Standalone	50	5250	16.79	18.50	1.483	99.3	1.007	-0.14	0.665	**0.993**
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 17+18	Standalone	50	5250	16.79	18.50	1.483	99.3	1.007	0.16	0.598	0.893
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 17+18	Simultaneous	50	5250	10.83	12.50	1.469	99.3	1.007	0	0.073	0.108
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 17+18	Simultaneous	50	5250	10.83	12.50	1.469	99.3	1.007	-0.12	0.070	0.104
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 17+18	Simultaneous	50	5250	10.83	12.50	1.469	99.3	1.007	0.11	0.158	0.234
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 17+18	Simultaneous	50	5250	10.83	12.50	1.469	99.3	1.007	0.08	0.150	0.222
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 17+18	DBS Reduced	50	5250	15.79	17.50	1.483	99.3	1.007	-0.03	0.221	0.330
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 17+18	DBS Reduced	50	5250	15.79	17.50	1.483	99.3	1.007	-0.06	0.209	0.312
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 17+18	DBS Reduced	50	5250	15.79	17.50	1.483	99.3	1.007	0.07	0.517	0.772
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 17+18	DBS Reduced	50	5250	15.79	17.50	1.483	99.3	1.007	-0.05	0.466	0.696
	WLAN5.5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 17+18	Standalone	114	5570	17.91	19.00	1.285	99.3	1.007	-0.03	0.341	0.441
	WLAN5.5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 17+18	Standalone	114	5570	17.91	19.00	1.285	99.3	1.007	-0.12	0.328	0.425
30	WLAN5.5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 17+18	Standalone	114	5570	17.91	19.00	1.285	99.3	1.007	-0.06	0.816	**1.056**
	WLAN5.5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 17+18	Standalone	114	5570	17.91	19.00	1.285	99.3	1.007	-0.05	0.704	0.911
	WLAN5.5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 17+18	Simultaneous	114	5570	11.41	12.50	1.285	99.3	1.007	-0.06	0.069	0.089
	WLAN5.5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 17+18	Simultaneous	114	5570	11.41	12.50	1.285	99.3	1.007	-0.03	0.072	0.093
	WLAN5.5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 17+18	Simultaneous	114	5570	11.41	12.50	1.285	99.3	1.007	0.06	0.181	0.234
	WLAN5.5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 17+18	Simultaneous	114	5570	11.41	12.50	1.285	99.3	1.007	-0.13	0.159	0.206
	WLAN5.5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 17+18	DBS Reduced	114	5570	16.37	17.50	1.297	99.3	1.007	-0.02	0.237	0.310

	WLAN5.5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 17+18	DBS Reduced	114	5570	16.37	17.50	1.297	99.3	1.007	-0.1	0.228	0.298
	WLAN5.5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 17+18	DBS Reduced	114	5570	16.37	17.50	1.297	99.3	1.007	0.01	0.571	0.746
	WLAN5.5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 17+18	DBS Reduced	114	5570	16.37	17.50	1.297	99.3	1.007	-0.01	0.186	0.243
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 17+18	Standalone	155	5775	15.73	17.50	1.503	99.12	1.009	-0.02	0.271	0.411
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 17+18	Standalone	155	5775	15.73	17.50	1.503	99.12	1.009	-0.1	0.255	0.387
31	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 17+18	Standalone	155	5775	15.73	17.50	1.503	99.12	1.009	0.05	0.654	**0.992**
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 17+18	Standalone	155	5775	15.73	17.50	1.503	99.12	1.009	-0.16	0.511	0.775
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 17+18	Simultaneous	155	5775	9.73	11.50	1.503	99.12	1.009	-0.16	0.064	0.097
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 17+18	Simultaneous	155	5775	9.73	11.50	1.503	99.12	1.009	0.12	0.061	0.093
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 17+18	Simultaneous	155	5775	9.73	11.50	1.503	99.12	1.009	-0.11	0.156	0.237
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 17+18	Simultaneous	155	5775	9.73	11.50	1.503	99.12	1.009	-0.01	0.121	0.184
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 17+18	DBS Reduced	155	5775	14.22	16.00	1.507	99.12	1.009	-0.01	0.187	0.284
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 17+18	DBS Reduced	155	5775	14.22	16.00	1.507	99.12	1.009	-0.11	0.181	0.275
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 17+18	DBS Reduced	155	5775	14.22	16.00	1.507	99.12	1.009	0.02	0.466	0.708
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 17+18	DBS Reduced	155	5775	14.22	16.00	1.507	99.12	1.009	0.02	0.354	0.538

15.2 Hotspot SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	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)
750MHz																					
	LTE Band 12	10M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 5	Reduced	23095	707.5	23.62	25.00	1.374	-	-	0.09	0.169	0.232
32	LTE Band 12	10M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 5	Reduced	23095	707.5	23.62	25.00	1.374	-	-	-0.08	0.293	**0.403**
	LTE Band 12	10M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	23095	707.5	23.62	25.00	1.374	-	-	-0.15	0.267	0.367
	LTE Band 12	10M	QPSK	1	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	23095	707.5	23.62	25.00	1.374	-	-	-0.19	0.183	0.251
	LTE Band 12	10M	QPSK	25	0	-	Front	10mm	Ant 1	DSI 5	Reduced	23095	707.5	23.18	24.50	1.355	-	-	-0.09	0.141	0.191
	LTE Band 12	10M	QPSK	25	0	-	Back	10mm	Ant 1	DSI 5	Reduced	23095	707.5	23.18	24.50	1.355	-	-	-0.13	0.230	0.312
	LTE Band 12	10M	QPSK	25	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	23095	707.5	23.18	24.50	1.355	-	-	-0.17	0.221	0.299
	LTE Band 12	10M	QPSK	25	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	23095	707.5	23.18	24.50	1.355	-	-	-0.04	0.152	0.206
	LTE Band 12	10M	QPSK	1	0	-	Front	10mm	Ant 0	DSI 5	Full	23095	707.5	24.98	25.50	1.127	-	-	-0.19	0.279	0.314
	LTE Band 12	10M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 5	Full	23095	707.5	24.98	25.50	1.127	-	-	-0.07	0.291	0.328
	LTE Band 12	10M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSI 5	Full	23095	707.5	24.98	25.50	1.127	-	-	-0.02	0.155	0.175
	LTE Band 12	10M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSI 5	Full	23095	707.5	24.98	25.50	1.127	-	-	-0.17	0.107	0.121
	LTE Band 12	10M	QPSK	25	0	-	Front	10mm	Ant 0	DSI 5	Full	23095	707.5	23.97	24.50	1.130	-	-	-0.14	0.237	0.268
	LTE Band 12	10M	QPSK	25	0	-	Back	10mm	Ant 0	DSI 5	Full	23095	707.5	23.97	24.50	1.130	-	-	-0.01	0.242	0.273
	LTE Band 12	10M	QPSK	25	0	-	Right Side	10mm	Ant 0	DSI 5	Full	23095	707.5	23.97	24.50	1.130	-	-	-0.16	0.133	0.150
	LTE Band 12	10M	QPSK	25	0	-	Bottom Side	10mm	Ant 0	DSI 5	Full	23095	707.5	23.97	24.50	1.130	-	-	-0.06	0.084	0.095
	LTE Band 17	10M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 5	Reduced	23790	710	23.74	25.00	1.337	-	-	-0.01	0.177	0.237
33	LTE Band 17	10M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 5	Reduced	23790	710	23.74	25.00	1.337	-	-	0.07	0.307	**0.410**
	LTE Band 17	10M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	23790	710	23.74	25.00	1.337	-	-	-0.14	0.295	0.394
	LTE Band 17	10M	QPSK	1	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	23790	710	23.74	25.00	1.337	-	-	-0.17	0.214	0.286
	LTE Band 17	10M	QPSK	25	0	-	Front	10mm	Ant 1	DSI 5	Reduced	23790	710	23.27	24.50	1.327	-	-	-0.04	0.149	0.198
	LTE Band 17	10M	QPSK	25	0	-	Back	10mm	Ant 1	DSI 5	Reduced	23790	710	23.27	24.50	1.327	-	-	-0.07	0.239	0.317
	LTE Band 17	10M	QPSK	25	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	23790	710	23.27	24.50	1.327	-	-	-0.11	0.300	0.398
	LTE Band 17	10M	QPSK	25	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	23790	710	23.27	24.50	1.327	-	-	-0.12	0.179	0.238
	LTE Band 17	10M	QPSK	1	0	-	Front	10mm	Ant 0	DSI 5	Full	23790	710	24.97	25.50	1.130	-	-	-0.08	0.291	0.329
	LTE Band 17	10M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 5	Full	23790	710	24.97	25.50	1.130	-	-	-0.01	0.301	0.340
	LTE Band 17	10M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSI 5	Full	23790	710	24.97	25.50	1.130	-	-	-0.01	0.159	0.180
	LTE Band 17	10M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSI 5	Full	23790	710	24.97	25.50	1.130	-	-	-0.12	0.116	0.131
	LTE Band 17	10M	QPSK	25	0	-	Front	10mm	Ant 0	DSI 5	Full	23790	710	23.98	24.50	1.127	-	-	-0.14	0.258	0.291
	LTE Band 17	10M	QPSK	25	0	-	Back	10mm	Ant 0	DSI 5	Full	23790	710	23.98	24.50	1.127	-	-	-0.07	0.262	0.295
	LTE Band 17	10M	QPSK	25	0	-	Right Side	10mm	Ant 0	DSI 5	Full	23790	710	23.98	24.50	1.127	-	-	0.05	0.139	0.157
	LTE Band 17	10M	QPSK	25	0	-	Bottom Side	10mm	Ant 0	DSI 5	Full	23790	710	23.98	24.50	1.127	-	-	0.12	0.091	0.103
	LTE Band 13	10M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 5	Full	23230	782	24.24	25.50	1.337	-	-	0.07	0.179	0.239
	LTE Band 13	10M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 5	Full	23230	782	24.24	25.50	1.337	-	-	-0.13	0.332	0.444
	LTE Band 13	10M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSI 5	Full	23230	782	24.24	25.50	1.337	-	-	-0.02	0.149	0.199
	LTE Band 13	10M	QPSK	1	0	-	Top Side	10mm	Ant 1	DSI 5	Full	23230	782	24.24	25.50	1.337	-	-	-0.01	0.184	0.246
	LTE Band 13	10M	QPSK	25	0	-	Front	10mm	Ant 1	DSI 5	Full	23230	782	23.32	24.50	1.312	-	-	0.02	0.134	0.176
	LTE Band 13	10M	QPSK	25	0	-	Back	10mm	Ant 1	DSI 5	Full	23230	782	23.32	24.50	1.312	-	-	-0.01	0.212	0.278
	LTE Band 13	10M	QPSK	25	0	-	Left Side	10mm	Ant 1	DSI 5	Full	23230	782	23.32	24.50	1.312	-	-	-0.07	0.087	0.114
	LTE Band 13	10M	QPSK	25	0	-	Top Side	10mm	Ant 1	DSI 5	Full	23230	782	23.32	24.50	1.312	-	-	-0.16	0.143	0.188
	LTE Band 13	10M	QPSK	1	0	-	Front	10mm	Ant 0	DSI 5	Full	23230	782	25.03	25.50	1.114	-	-	-0.16	0.405	0.451
34	LTE Band 13	10M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 5	Full	23230	782	25.03	25.50	1.114	-	-	0.09	0.428	**0.477**
	LTE Band 13	10M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSI 5	Full	23230	782	25.03	25.50	1.114	-	-	-0.06	0.131	0.146
	LTE Band 13	10M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSI 5	Full	23230	782	25.03	25.50	1.114	-	-	0.07	0.161	0.179
	LTE Band 13	10M	QPSK	25	0	-	Front	10mm	Ant 0	DSI 5	Full	23230	782	24.02	24.50	1.117	-	-	0.13	0.239	0.267
	LTE Band 13	10M	QPSK	25	0	-	Back	10mm	Ant 0	DSI 5	Full	23230	782	24.02	24.50	1.117	-	-	0.15	0.315	0.352
	LTE Band 13	10M	QPSK	25	0	-	Right Side	10mm	Ant 0	DSI 5	Full	23230	782	24.02	24.50	1.117	-	-	0.12	0.105	0.117
	LTE Band 13	10M	QPSK	25	0	-	Bottom Side	10mm	Ant 0	DSI 5	Full	23230	782	24.02	24.50	1.117	-	-	-0.08	0.133	0.149
835MHz																					
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Front	10mm	Ant 1	DSI 5	Reduced	189	836.4	25.26	27.00	1.493	-	-	0.01	0.171	0.255
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Back	10mm	Ant 1	DSI 5	Reduced	189	836.4	25.26	27.00	1.493	-	-	-0.12	0.254	0.379

	GSM850	-	-	-	-	GPRS(4 Tx slots)	Left Side	10mm	Ant 1	DSI 5	Reduced	189	836.4	25.26	27.00	1.493	-	-	0.04	0.112	0.167
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Top Side	10mm	Ant 1	DSI 5	Reduced	189	836.4	25.26	27.00	1.493	-	-	0.09	0.179	0.267
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Front	10mm	Ant 0	DSI 5	Full	189	836.4	26.72	28.00	1.343	-	-	-0.03	0.374	0.502
35	GSM850	-	-	-	-	GPRS(4 Tx slots)	Back	10mm	Ant 0	DSI 5	Full	189	836.4	26.72	28.00	1.343	-	-	-0.12	0.383	**0.514**
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Right Side	10mm	Ant 0	DSI 5	Full	189	836.4	26.72	28.00	1.343	-	-	0.07	0.201	0.270
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Bottom Side	10mm	Ant 0	DSI 5	Full	189	836.4	26.72	28.00	1.343	-	-	0.04	0.212	0.285
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 1	DSI 5	Reduced	4182	836.4	22.53	23.50	1.250	-	-	0.02	0.176	0.220
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 1	DSI 5	Reduced	4182	836.4	22.53	23.50	1.250	-	-	-0.09	0.313	0.391
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 1	DSI 5	Reduced	4182	836.4	22.53	23.50	1.250	-	-	0.14	0.132	0.165
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Top Side	10mm	Ant 1	DSI 5	Reduced	4182	836.4	22.53	23.50	1.250	-	-	0.15	0.183	0.229
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 0	DSI 5	Full	4182	836.4	24.34	25.50	1.306	-	-	0.03	0.388	0.507
36	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 0	DSI 5	Full	4182	836.4	24.34	25.50	1.306	-	-	-0.02	0.428	**0.559**
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Side	10mm	Ant 0	DSI 5	Full	4182	836.4	24.34	25.50	1.306	-	-	-0.09	0.193	0.252
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 0	DSI 5	Full	4182	836.4	24.34	25.50	1.306	-	-	0.1	0.223	0.291
	LTE Band 5	10M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 5	Reduced	20525	836.5	21.76	23.50	1.493	-	-	0.07	0.153	0.228
	LTE Band 5	10M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 5	Reduced	20525	836.5	21.76	23.50	1.493	-	-	0.13	0.240	0.358
	LTE Band 5	10M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	20525	836.5	21.76	23.50	1.493	-	-	-0.09	0.136	0.203
	LTE Band 5	10M	QPSK	1	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	20525	836.5	21.76	23.50	1.493	-	-	-0.07	0.163	0.243
	LTE Band 5	10M	QPSK	25	0	-	Front	10mm	Ant 1	DSI 5	Reduced	20525	836.5	21.71	23.50	1.510	-	-	-0.09	0.154	0.233
	LTE Band 5	10M	QPSK	25	0	-	Back	10mm	Ant 1	DSI 5	Reduced	20525	836.5	21.71	23.50	1.510	-	-	0.01	0.281	0.424
	LTE Band 5	10M	QPSK	25	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	20525	836.5	21.71	23.50	1.510	-	-	0.05	0.141	0.213
	LTE Band 5	10M	QPSK	25	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	20525	836.5	21.71	23.50	1.510	-	-	0.01	0.168	0.254
	LTE Band 5	10M	QPSK	1	0	-	Front	10mm	Ant 0	DSI 5	Full	20525	836.5	24.47	25.50	1.268	-	-	-0.02	0.394	0.499
37	LTE Band 5	10M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 5	Full	20525	836.5	24.47	25.50	1.268	-	-	-0.09	0.405	**0.513**
	LTE Band 5	10M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSI 5	Full	20525	836.5	24.47	25.50	1.268	-	-	-0.08	0.186	0.236
	LTE Band 5	10M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSI 5	Full	20525	836.5	24.47	25.50	1.268	-	-	-0.01	0.195	0.247
	LTE Band 5	10M	QPSK	25	0	-	Front	10mm	Ant 0	DSI 5	Full	20525	836.5	23.43	24.50	1.279	-	-	-0.02	0.321	0.411
	LTE Band 5	10M	QPSK	25	0	-	Back	10mm	Ant 0	DSI 5	Full	20525	836.5	23.43	24.50	1.279	-	-	0.09	0.346	0.443
	LTE Band 5	10M	QPSK	25	0	-	Right Side	10mm	Ant 0	DSI 5	Full	20525	836.5	23.43	24.50	1.279	-	-	0.08	0.148	0.189
	LTE Band 5	10M	QPSK	25	0	-	Bottom Side	10mm	Ant 0	DSI 5	Full	20525	836.5	23.43	24.50	1.279	-	-	-0.08	0.172	0.220
	LTE Band 26	15M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 5	Reduced	26865	831.5	21.58	23.00	1.387	-	-	-0.03	0.163	0.226
	LTE Band 26	15M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 5	Reduced	26865	831.5	21.58	23.00	1.387	-	-	0.04	0.279	0.387
	LTE Band 26	15M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	26865	831.5	21.58	23.00	1.387	-	-	-0.12	0.131	0.182
	LTE Band 26	15M	QPSK	1	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	26865	831.5	21.58	23.00	1.387	-	-	-0.13	0.171	0.237
	LTE Band 26	15M	QPSK	36	0	-	Front	10mm	Ant 1	DSI 5	Reduced	26865	831.5	21.48	23.00	1.419	-	-	0.15	0.160	0.227
	LTE Band 26	15M	QPSK	36	0	-	Back	10mm	Ant 1	DSI 5	Reduced	26865	831.5	21.48	23.00	1.419	-	-	-0.05	0.257	0.365
	LTE Band 26	15M	QPSK	36	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	26865	831.5	21.48	23.00	1.419	-	-	0.11	0.129	0.183
	LTE Band 26	15M	QPSK	36	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	26865	831.5	21.48	23.00	1.419	-	-	0.07	0.168	0.238
	LTE Band 26	15M	QPSK	1	0	-	Front	10mm	Ant 0	DSI 5	Full	26865	831.5	24.41	25.00	1.146	-	-	0.07	0.379	0.434
38	LTE Band 26	15M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 5	Full	26865	831.5	24.41	25.00	1.146	-	-	-0.02	0.383	**0.439**
	LTE Band 26	15M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSI 5	Full	26865	831.5	24.41	25.00	1.146	-	-	-0.02	0.191	0.219
	LTE Band 26	15M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSI 5	Full	26865	831.5	24.41	25.00	1.146	-	-	-0.14	0.214	0.245
	LTE Band 26	15M	QPSK	36	0	-	Front	10mm	Ant 0	DSI 5	Full	26865	831.5	23.35	24.00	1.161	-	-	-0.04	0.321	0.373
	LTE Band 26	15M	QPSK	36	0	-	Back	10mm	Ant 0	DSI 5	Full	26865	831.5	23.35	24.00	1.161	-	-	-0.13	0.332	0.386
	LTE Band 26	15M	QPSK	36	0	-	Right Side	10mm	Ant 0	DSI 5	Full	26865	831.5	23.35	24.00	1.161	-	-	-0.1	0.155	0.180
	LTE Band 26	15M	QPSK	36	0	-	Bottom Side	10mm	Ant 0	DSI 5	Full	26865	831.5	23.35	24.00	1.161	-	-	-0.07	0.175	0.203
	N5	20M	BPSK	1	1	DFT-15	Front	10mm	Ant 1	DSI 5	Reduced	167300	836.5	22.72	23.50	1.197	-	-	0.08	0.166	0.199
	N5	20M	BPSK	1	1	DFT-15	Back	10mm	Ant 1	DSI 5	Reduced	167300	836.5	22.72	23.50	1.197	-	-	-0.03	0.278	0.333
	N5	20M	BPSK	1	1	DFT-15	Left Side	10mm	Ant 1	DSI 5	Reduced	167300	836.5	22.72	23.50	1.197	-	-	0.13	0.150	0.180
	N5	20M	BPSK	1	1	DFT-15	Top Side	10mm	Ant 1	DSI 5	Reduced	167300	836.5	22.72	23.50	1.197	-	-	0.02	0.216	0.258
	N5	20M	BPSK	50	28	DFT-15	Front	10mm	Ant 1	DSI 5	Reduced	167300	836.5	22.68	23.50	1.208	-	-	-0.01	0.177	0.214
	N5	20M	BPSK	50	28	DFT-15	Back	10mm	Ant 1	DSI 5	Reduced	167300	836.5	22.68	23.50	1.208	-	-	0.08	0.327	0.395
	N5	20M	BPSK	50	28	DFT-15	Left Side	10mm	Ant 1	DSI 5	Reduced	167300	836.5	22.68	23.50	1.208	-	-	-0.12	0.190	0.229
	N5	20M	BPSK	50	28	DFT-15	Top Side	10mm	Ant 1	DSI 5	Reduced	167300	836.5	22.68	23.50	1.208	-	-	-0.15	0.223	0.269
	N5	20M	BPSK	1	1	DFT-15	Front	10mm	Ant 0	DSI 5	Full	167300	836.5	24.58	25.50	1.236	-	-	-0.16	0.362	0.447
	N5	20M	BPSK	1	1	DFT-15	Back	10mm	Ant 0	DSI 5	Full	167300	836.5	24.58	25.50	1.236	-	-	-0.16	0.390	0.482

	N5	20M	BPSK	1	1	DFT-15	Right Side	10mm	Ant 0	DSI 5	Full	167300	836.5	24.58	25.50	1.236	-	-	-0.01	0.191	0.236
	N5	20M	BPSK	1	1	DFT-15	Bottom Side	10mm	Ant 0	DSI 5	Full	167300	836.5	24.58	25.50	1.236	-	-	-0.02	0.211	0.261
	N5	20M	BPSK	50	28	DFT-15	Front	10mm	Ant 0	DSI 5	Full	167300	836.5	24.50	25.50	1.259	-	-	-0.13	0.370	0.466
39	N5	20M	BPSK	50	28	DFT-15	Back	10mm	Ant 0	DSI 5	Full	167300	836.5	24.50	25.50	1.259	-	-	-0.11	0.397	**0.500**
	N5	20M	BPSK	50	28	DFT-15	Right Side	10mm	Ant 0	DSI 5	Full	167300	836.5	24.50	25.50	1.259	-	-	0.07	0.212	0.267
	N5	20M	BPSK	50	28	DFT-15	Bottom Side	10mm	Ant 0	DSI 5	Full	167300	836.5	24.50	25.50	1.259	-	-	-0.06	0.222	0.279
1750MHz																					
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 1	DSI 5	Reduced	1413	1732.6	16.74	17.50	1.191	-	-	0.07	0.131	0.156
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 1	DSI 5	Reduced	1413	1732.6	16.74	17.50	1.191	-	-	-0.08	0.226	0.269
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 1	DSI 5	Reduced	1413	1732.6	16.74	17.50	1.191	-	-	-0.02	0.093	0.111
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	10mm	Ant 1	DSI 5	Reduced	1413	1732.6	16.74	17.50	1.191	-	-	-0.09	0.278	0.331
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 2	DSI 5	Reduced	1413	1732.6	21.92	22.5	1.143	-	-	0.06	0.359	0.410
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 2	DSI 5	Reduced	1413	1732.6	21.92	22.5	1.143	-	-	0.15	0.392	0.448
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 2	DSI 5	Reduced	1413	1732.6	21.92	22.5	1.143	-	-	-0.11	0.179	0.205
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 2	DSI 5	Reduced	1413	1732.6	21.92	22.5	1.143	-	-	-0.06	0.750	0.857
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 2	DSI 5	Reduced	1312	1712.4	21.84	22.5	1.164	-	-	-0.11	0.654	0.761
40	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 2	DSI 5	Reduced	1513	1752.6	21.84	22.5	1.164	-	-	0.09	0.839	**0.977**
	LTE Band 4	20M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 5	Reduced	20175	1732.5	16.06	17.50	1.393	-	-	-0.15	0.106	0.148
	LTE Band 4	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 5	Reduced	20175	1732.5	16.06	17.50	1.393	-	-	-0.09	0.157	0.219
	LTE Band 4	20M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	20175	1732.5	16.06	17.50	1.393	-	-	-0.07	0.096	0.134
	LTE Band 4	20M	QPSK	1	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	20175	1732.5	16.06	17.50	1.393	-	-	-0.11	0.215	0.300
	LTE Band 4	20M	QPSK	50	0	-	Front	10mm	Ant 1	DSI 5	Reduced	20175	1732.5	15.94	17.50	1.432	-	-	0.01	0.109	0.156
	LTE Band 4	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI 5	Reduced	20175	1732.5	15.94	17.50	1.432	-	-	0.14	0.163	0.233
	LTE Band 4	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	20175	1732.5	15.94	17.50	1.432	-	-	0.07	0.100	0.143
	LTE Band 4	20M	QPSK	50	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	20175	1732.5	15.94	17.50	1.432	-	-	0.08	0.218	0.312
	LTE Band 4	20M	QPSK	1	0	-	Front	10mm	Ant 0	DSI 5	Full	20175	1732.5	22.69	24.00	1.352	-	-	0.03	0.261	0.353
	LTE Band 4	20M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 5	Full	20175	1732.5	22.69	24.00	1.352	-	-	-0.14	0.367	0.496
	LTE Band 4	20M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSI 5	Full	20175	1732.5	22.69	24.00	1.352	-	-	-0.06	0.285	0.385
	LTE Band 4	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSI 5	Full	20175	1732.5	22.69	24.00	1.352	-	-	0.15	0.104	0.141
	LTE Band 4	20M	QPSK	50	0	-	Front	10mm	Ant 0	DSI 5	Full	20175	1732.5	21.47	23.00	1.422	-	-	-0.14	0.195	0.277
	LTE Band 4	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI 5	Full	20175	1732.5	21.47	23.00	1.422	-	-	-0.09	0.290	0.412
	LTE Band 4	20M	QPSK	50	0	-	Right Side	10mm	Ant 0	DSI 5	Full	20175	1732.5	21.47	23.00	1.422	-	-	0.1	0.230	0.327
	LTE Band 4	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 0	DSI 5	Full	20175	1732.5	21.47	23.00	1.422	-	-	-0.03	0.077	0.110
	LTE Band 4	20M	QPSK	1	0	-	Front	10mm	Ant 3	DSI 5	Reduced	20175	1732.5	20.21	21.50	1.346	-	-	-0.01	0.181	0.244
	LTE Band 4	20M	QPSK	1	0	-	Back	10mm	Ant 3	DSI 5	Reduced	20175	1732.5	20.21	21.50	1.346	-	-	0.03	0.189	0.254
	LTE Band 4	20M	QPSK	1	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	20175	1732.5	20.21	21.50	1.346	-	-	0.06	0.403	0.542
	LTE Band 4	20M	QPSK	1	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	20175	1732.5	20.21	21.50	1.346	-	-	0.03	0.023	0.031
	LTE Band 4	20M	QPSK	50	0	-	Front	10mm	Ant 3	DSI 5	Reduced	20175	1732.5	20.18	21.50	1.355	-	-	0.04	0.193	0.262
	LTE Band 4	20M	QPSK	50	0	-	Back	10mm	Ant 3	DSI 5	Reduced	20175	1732.5	20.18	21.50	1.355	-	-	0.11	0.199	0.270
	LTE Band 4	20M	QPSK	50	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	20175	1732.5	20.18	21.50	1.355	-	-	0.09	0.437	0.592
	LTE Band 4	20M	QPSK	50	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	20175	1732.5	20.18	21.50	1.355	-	-	0.05	0.030	0.041
	LTE Band 4	20M	QPSK	1	0	-	Front	10mm	Ant 2	DSI 5	Reduced	20175	1732.5	22.08	23.00	1.236	-	-	-0.09	0.486	0.601
	LTE Band 4	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 5	Reduced	20175	1732.5	22.08	23.00	1.236	-	-	-0.11	0.629	0.777
	LTE Band 4	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	20175	1732.5	22.08	23.00	1.236	-	-	-0.09	0.173	0.214
41	LTE Band 4	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	20175	1732.5	22.08	23.00	1.236	-	-	-0.05	0.770	**0.952**
	LTE Band 4	20M	QPSK	50	0	-	Front	10mm	Ant 2	DSI 5	Reduced	20175	1732.5	22.06	23.00	1.242	-	-	-0.14	0.472	0.586
	LTE Band 4	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 5	Reduced	20175	1732.5	22.06	23.00	1.242	-	-	-0.12	0.615	0.764
	LTE Band 4	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	20175	1732.5	22.06	23.00	1.242	-	-	0.07	0.169	0.210
	LTE Band 4	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	20175	1732.5	22.06	23.00	1.242	-	-	0.09	0.758	0.941
	LTE Band 4	20M	QPSK	100	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	20175	1732.5	22.00	23.00	1.259	-	-	0.07	0.751	0.945
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 5	Reduced	132322	1745	16.26	17.50	1.330	-	-	-0.12	0.100	0.133
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 5	Reduced	132322	1745	16.26	17.50	1.330	-	-	0.07	0.153	0.204
	LTE Band 66	20M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	132322	1745	16.26	17.50	1.330	-	-	-0.03	0.097	0.129
	LTE Band 66	20M	QPSK	1	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	132322	1745	16.26	17.50	1.330	-	-	-0.16	0.210	0.279
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 1	DSI 5	Reduced	132322	1745	16.21	17.50	1.346	-	-	-0.14	0.111	0.149
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI 5	Reduced	132322	1745	16.21	17.50	1.346	-	-	-0.13	0.156	0.210

	LTE Band 66	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	132322	1745	16.21	17.50	1.346	-	-	-0.16	0.099	0.133
	LTE Band 66	20M	QPSK	50	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	132322	1745	16.21	17.50	1.346	-	-	-0.05	0.212	0.285
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 0	DSI 5	Full	132322	1745	21.58	23.00	1.387	-	-	0.13	0.208	0.288
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 5	Full	132322	1745	21.58	23.00	1.387	-	-	0.08	0.305	0.423
	LTE Band 66	20M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSI 5	Full	132322	1745	21.58	23.00	1.387	-	-	0.05	0.221	0.306
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSI 5	Full	132322	1745	21.58	23.00	1.387	-	-	-0.05	0.079	0.110
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 0	DSI 5	Full	132322	1745	20.60	22.00	1.380	-	-	-0.15	0.164	0.226
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI 5	Full	132322	1745	20.60	22.00	1.380	-	-	0.01	0.244	0.337
	LTE Band 66	20M	QPSK	50	0	-	Right Side	10mm	Ant 0	DSI 5	Full	132322	1745	20.60	22.00	1.380	-	-	0.13	0.187	0.258
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 0	DSI 5	Full	132322	1745	20.60	22.00	1.380	-	-	0.1	0.060	0.083
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 3	DSI 5	Reduced	132322	1745	18.57	20.00	1.390	-	-	0.05	0.138	0.192
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 3	DSI 5	Reduced	132322	1745	18.57	20.00	1.390	-	-	0.12	0.144	0.200
	LTE Band 66	20M	QPSK	1	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	132322	1745	18.57	20.00	1.390	-	-	-0.08	0.310	0.431
	LTE Band 66	20M	QPSK	1	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	132322	1745	18.57	20.00	1.390	-	-	-0.04	0.030	0.042
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 3	DSI 5	Reduced	132322	1745	18.35	20.00	1.462	-	-	-0.12	0.121	0.177
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 3	DSI 5	Reduced	132322	1745	18.35	20.00	1.462	-	-	-0.01	0.140	0.205
	LTE Band 66	20M	QPSK	50	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	132322	1745	18.35	20.00	1.462	-	-	-0.12	0.290	0.424
	LTE Band 66	20M	QPSK	50	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	132322	1745	18.35	20.00	1.462	-	-	-0.16	0.025	0.037
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 2	DSI 5	Reduced	132322	1745	22.06	23.00	1.242	-	-	-0.09	0.448	0.556
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 5	Reduced	132322	1745	22.06	23.00	1.242	-	-	-0.05	0.588	0.730
	LTE Band 66	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	132322	1745	22.06	23.00	1.242	-	-	0.09	0.202	0.251
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	132322	1745	22.06	23.00	1.242	-	-	0.04	0.817	1.014
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	132072	1720	21.78	23.00	1.324	-	-	-0.05	0.737	0.976
42	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	132572	1770	21.98	23.00	1.265	-	-	0.01	0.865	**1.094**
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 2	DSI 5	Reduced	132322	1745	22.05	23.00	1.245	-	-	0.09	0.437	0.544
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 5	Reduced	132322	1745	22.05	23.00	1.245	-	-	-0.13	0.581	0.723
	LTE Band 66	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	132322	1745	22.05	23.00	1.245	-	-	0.01	0.199	0.248
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	132322	1745	22.05	23.00	1.245	-	-	-0.15	0.794	0.988
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	132072	1720	21.90	23.00	1.288	-	-	-0.15	0.727	0.937
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	132572	1770	22.03	23.00	1.250	-	-	0.06	0.862	1.078
	LTE Band 66	20M	QPSK	100	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	132322	1745	21.93	23.00	1.279	-	-	0.06	0.790	1.011
	N66	40M	BPSK	1	1	DFT-15	Front	10mm	Ant 1	DSI 5	Reduced	349000	1745	15.47	17.00	1.422	-	-	-0.03	0.117	0.166
	N66	40M	BPSK	1	1	DFT-15	Back	10mm	Ant 1	DSI 5	Reduced	349000	1745	15.47	17.00	1.422	-	-	0.03	0.181	0.257
	N66	40M	BPSK	1	1	DFT-15	Left Side	10mm	Ant 1	DSI 5	Reduced	349000	1745	15.47	17.00	1.422	-	-	0.09	0.099	0.141
	N66	40M	BPSK	1	1	DFT-15	Top Side	10mm	Ant 1	DSI 5	Reduced	349000	1745	15.47	17.00	1.422	-	-	0.07	0.211	0.300
	N66	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 1	DSI 5	Reduced	349000	1745	15.41	17.00	1.442	-	-	0.05	0.121	0.174
	N66	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 1	DSI 5	Reduced	349000	1745	15.41	17.00	1.442	-	-	0.1	0.183	0.264
	N66	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 1	DSI 5	Reduced	349000	1745	15.41	17.00	1.442	-	-	-0.01	0.101	0.146
	N66	40M	BPSK	108	54	DFT-15	Top Side	10mm	Ant 1	DSI 5	Reduced	349000	1745	15.41	17.00	1.442	-	-	0.07	0.221	0.319
	N66	40M	BPSK	1	1	DFT-15	Front	10mm	Ant 0	DSI 5	Reduced	349000	1745	20.69	22.00	1.352	-	-	0.11	0.203	0.274
	N66	40M	BPSK	1	1	DFT-15	Back	10mm	Ant 0	DSI 5	Reduced	349000	1745	20.69	22.00	1.352	-	-	-0.04	0.308	0.416
	N66	40M	BPSK	1	1	DFT-15	Right Side	10mm	Ant 0	DSI 5	Reduced	349000	1745	20.69	22.00	1.352	-	-	0.16	0.220	0.297
	N66	40M	BPSK	1	1	DFT-15	Bottom Side	10mm	Ant 0	DSI 5	Reduced	349000	1745	20.69	22.00	1.352	-	-	0.07	0.105	0.142
	N66	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 0	DSI 5	Reduced	349000	1745	20.66	22.00	1.361	-	-	0.05	0.217	0.295
	N66	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 0	DSI 5	Reduced	349000	1745	20.66	22.00	1.361	-	-	-0.11	0.310	0.422
	N66	40M	BPSK	108	54	DFT-15	Right Side	10mm	Ant 0	DSI 5	Reduced	349000	1745	20.66	22.00	1.361	-	-	0.16	0.245	0.334
	N66	40M	BPSK	108	54	DFT-15	Bottom Side	10mm	Ant 0	DSI 5	Reduced	349000	1745	20.66	22.00	1.361	-	-	-0.01	0.121	0.165
	N66	40M	BPSK	1	1	DFT-15	Front	10mm	Ant 3	DSI 5	Reduced	349000	1745	19.10	20.50	1.380	-	-	-0.06	0.147	0.203
	N66	40M	BPSK	1	1	DFT-15	Back	10mm	Ant 3	DSI 5	Reduced	349000	1745	19.10	20.50	1.380	-	-	0.1	0.150	0.207
	N66	40M	BPSK	1	1	DFT-15	Left Side	10mm	Ant 3	DSI 5	Reduced	349000	1745	19.10	20.50	1.380	-	-	0.09	0.306	0.422
	N66	40M	BPSK	1	1	DFT-15	Top Side	10mm	Ant 3	DSI 5	Reduced	349000	1745	19.10	20.50	1.380	-	-	-0.05	0.031	0.043
	N66	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 3	DSI 5	Reduced	349000	1745	19.03	20.50	1.403	-	-	-0.1	0.156	0.219
	N66	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 3	DSI 5	Reduced	349000	1745	19.03	20.50	1.403	-	-	-0.16	0.162	0.227
	N66	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 3	DSI 5	Reduced	349000	1745	19.03	20.50	1.403	-	-	0.05	0.330	0.463
	N66	40M	BPSK	108	54	DFT-15	Top Side	10mm	Ant 3	DSI 5	Reduced	349000	1745	19.03	20.50	1.403	-	-	-0.02	0.041	0.058
	N66	40M	BPSK	1	1	DFT-15	Front	10mm	Ant 2	DSI 5	Reduced	349000	1745	21.95	22.50	1.135	-	-	0.08	0.356	0.404

	N66	40M	BPSK	1	1	DFT-15	Back	10mm	Ant 2	DSI 5	Reduced	349000	1745	21.95	22.50	1.135	-	-	-0.09	0.473	0.537
	N66	40M	BPSK	1	1	DFT-15	Left Side	10mm	Ant 2	DSI 5	Reduced	349000	1745	21.95	22.50	1.135	-	-	0.08	0.182	0.207
	N66	40M	BPSK	1	1	DFT-15	Bottom Side	10mm	Ant 2	DSI 5	Reduced	349000	1745	21.95	22.50	1.135	-	-	-0.11	0.723	0.821
	N66	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 2	DSI 5	Reduced	349000	1745	21.88	22.50	1.153	-	-	-0.15	0.421	0.486
	N66	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 2	DSI 5	Reduced	349000	1745	21.88	22.50	1.153	-	-	-0.13	0.535	0.617
	N66	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 2	DSI 5	Reduced	349000	1745	21.88	22.50	1.153	-	-	0.14	0.193	0.223
43	N66	40M	BPSK	108	54	DFT-15	Bottom Side	10mm	Ant 2	DSI 5	Reduced	349000	1745	21.88	22.50	1.153	-	-	0.12	0.733	**0.845**
	N66	40M	BPSK	216	0	DFT-15	Bottom Side	10mm	Ant 2	DSI 5	Reduced	349000	1745	21.87	22.50	1.156	-	-	0.09	0.719	0.831
1900MHz																				
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Front	10mm	Ant 1	DSI 5	Reduced	661	1880	18.23	19.00	1.194	-	-	0.01	0.102	0.122
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Back	10mm	Ant 1	DSI 5	Reduced	661	1880	18.23	19.00	1.194	-	-	-0.1	0.187	0.223
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Left Side	10mm	Ant 1	DSI 5	Reduced	661	1880	18.23	19.00	1.194	-	-	-0.14	0.107	0.128
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Top Side	10mm	Ant 1	DSI 5	Reduced	661	1880	18.23	19.00	1.194	-	-	0.15	0.142	0.170
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Front	10mm	Ant 2	DSI 5	Full	661	1880	24.69	25.00	1.074	-	-	0.06	0.245	0.263
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Back	10mm	Ant 2	DSI 5	Full	661	1880	24.69	25.00	1.074	-	-	0.08	0.316	0.339
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Left Side	10mm	Ant 2	DSI 5	Full	661	1880	24.69	25.00	1.074	-	-	-0.09	0.116	0.125
44	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Bottom Side	10mm	Ant 2	DSI 5	Full	661	1880	24.69	25.00	1.074	-	-	0.02	0.462	**0.496**
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 1	DSI 5	Reduced	9400	1880	14.74	15.50	1.191	-	-	0.02	0.131	0.156
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 1	DSI 5	Reduced	9400	1880	14.74	15.50	1.191	-	-	0.05	0.240	0.286
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 1	DSI 5	Reduced	9400	1880	14.74	15.50	1.191	-	-	-0.11	0.117	0.139
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	10mm	Ant 1	DSI 5	Reduced	9400	1880	14.74	15.50	1.191	-	-	0.11	0.191	0.228
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 2	DSI 5	Reduced	9400	1880	22.71	23.00	1.069	-	-	-0.03	0.478	0.511
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 2	DSI 5	Reduced	9400	1880	22.71	23.00	1.069	-	-	0.03	0.606	0.648
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 2	DSI 5	Reduced	9400	1880	22.71	23.00	1.069	-	-	0.11	0.211	0.226
45	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 2	DSI 5	Reduced	9400	1880	22.71	23.00	1.069	-	-	-0.04	1.010	**1.080**
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 2	DSI 5	Reduced	9262	1852.4	22.54	23.00	1.112	-	-	-0.04	0.913	1.015
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 2	DSI 5	Reduced	9538	1907.6	22.70	23.00	1.072	-	-	-0.11	0.998	1.069
	LTE Band 2	20M	QPSK	1	0	-	Front	10mm	Ant 3	DSI 5	Reduced	18900	1880	19.78	21.00	1.324	-	-	-0.02	0.145	0.192
	LTE Band 2	20M	QPSK	1	0	-	Back	10mm	Ant 3	DSI 5	Reduced	18900	1880	19.78	21.00	1.324	-	-	-0.15	0.165	0.219
	LTE Band 2	20M	QPSK	1	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	18900	1880	19.78	21.00	1.324	-	-	-0.08	0.311	0.412
	LTE Band 2	20M	QPSK	1	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	18900	1880	19.78	21.00	1.324	-	-	0.09	0.023	0.030
	LTE Band 2	20M	QPSK	50	0	-	Front	10mm	Ant 3	DSI 5	Reduced	18900	1880	19.57	21.00	1.390	-	-	-0.15	0.149	0.207
	LTE Band 2	20M	QPSK	50	0	-	Back	10mm	Ant 3	DSI 5	Reduced	18900	1880	19.57	21.00	1.390	-	-	0.11	0.172	0.239
	LTE Band 2	20M	QPSK	50	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	18900	1880	19.57	21.00	1.390	-	-	0.06	0.319	0.443
	LTE Band 2	20M	QPSK	50	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	18900	1880	19.57	21.00	1.390	-	-	0.05	0.026	0.036
	LTE Band 2	20M	QPSK	1	0	-	Front	10mm	Ant 2	DSI 5	Reduced	18900	1880	24.13	25.00	1.222	-	-	0.13	0.518	0.633
	LTE Band 2	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 5	Reduced	18900	1880	24.13	25.00	1.222	-	-	-0.05	0.673	0.822
	LTE Band 2	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	18900	1880	24.13	25.00	1.222	-	-	0.01	0.200	0.244
	LTE Band 2	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	18900	1880	24.13	25.00	1.222	-	-	-0.1	0.866	1.058
	LTE Band 2	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 5	Reduced	18700	1860	23.96	25.00	1.271	-	-	0.13	0.656	0.833
	LTE Band 2	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 5	Reduced	19100	1900	24.11	25.00	1.227	-	-	-0.02	0.680	0.835
	LTE Band 2	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	18700	1860	23.96	25.00	1.271	-	-	-0.07	0.821	1.043
46	LTE Band 2	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	19100	1900	24.11	25.00	1.227	-	-	-0.07	0.870	**1.068**
	LTE Band 2	20M	QPSK	50	0	-	Front	10mm	Ant 2	DSI 5	Reduced	18900	1880	23.28	24.50	1.324	-	-	0.11	0.466	0.617
	LTE Band 2	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 5	Reduced	18900	1880	23.28	24.50	1.324	-	-	-0.1	0.609	0.807
	LTE Band 2	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	18900	1880	23.28	24.50	1.324	-	-	-0.13	0.182	0.241
	LTE Band 2	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	18900	1880	23.28	24.50	1.324	-	-	0.13	0.766	1.014
	LTE Band 2	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 5	Reduced	18700	1860	23.25	24.50	1.334	-	-	0.08	0.556	0.741
	LTE Band 2	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 5	Reduced	19100	1900	23.03	24.50	1.403	-	-	0.04	0.604	0.847
	LTE Band 2	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	18700	1860	23.25	24.50	1.334	-	-	0.08	0.743	0.991
	LTE Band 2	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	19100	1900	23.03	24.50	1.403	-	-	-0.03	0.756	1.061
	LTE Band 2	20M	QPSK	100	0	-	Back	10mm	Ant 2	DSI 5	Reduced	18900	1880	23.15	24.50	1.365	-	-	-0.03	0.623	0.850
	LTE Band 2	20M	QPSK	100	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	18900	1880	23.15	24.50	1.365	-	-	-0.11	0.774	1.056
	LTE Band 25	20M	QPSK	1	0	-	Front	10mm	Ant 3	DSI 5	Reduced	26340	1880	20.63	22.00	1.371	-	-	-0.07	0.191	0.262
	LTE Band 25	20M	QPSK	1	0	-	Back	10mm	Ant 3	DSI 5	Reduced	26340	1880	20.63	22.00	1.371	-	-	0.16	0.216	0.296
	LTE Band 25	20M	QPSK	1	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	26340	1880	20.63	22.00	1.371	-	-	-0.16	0.451	0.618

	LTE Band 25	20M	QPSK	1	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	26340	1880	20.63	22.00	1.371	-	-	-0.02	0.028	0.038
	LTE Band 25	20M	QPSK	50	0	-	Front	10mm	Ant 3	DSI 5	Reduced	26340	1880	20.58	22.00	1.387	-	-	0.04	0.186	0.258
	LTE Band 25	20M	QPSK	50	0	-	Back	10mm	Ant 3	DSI 5	Reduced	26340	1880	20.58	22.00	1.387	-	-	0.11	0.213	0.295
	LTE Band 25	20M	QPSK	50	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	26340	1880	20.58	22.00	1.387	-	-	0.01	0.448	0.621
	LTE Band 25	20M	QPSK	50	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	26340	1880	20.58	22.00	1.387	-	-	0.15	0.024	0.033
	LTE Band 25	20M	QPSK	1	0	-	Front	10mm	Ant 2	DSI 5	Reduced	26340	1880	21.52	22.50	1.253	-	-	-0.11	0.289	0.362
	LTE Band 25	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 5	Reduced	26340	1880	21.52	22.50	1.253	-	-	0.05	0.431	0.540
	LTE Band 25	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	26340	1880	21.52	22.50	1.253	-	-	-0.15	0.122	0.153
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	26340	1880	21.52	22.50	1.253	-	-	-0.06	0.486	0.609
	LTE Band 25	20M	QPSK	50	0	-	Front	10mm	Ant 2	DSI 5	Reduced	26340	1880	21.44	22.50	1.276	-	-	-0.01	0.294	0.375
	LTE Band 25	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 5	Reduced	26340	1880	21.44	22.50	1.276	-	-	-0.14	0.450	0.574
	LTE Band 25	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	26340	1880	21.44	22.50	1.276	-	-	-0.12	0.132	0.168
47	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	26340	1880	21.44	22.50	1.276	-	-	0.08	0.530	**0.677**
2600MHz																					
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 5	Reduced	21100	2535	15.89	17.00	1.291	-	-	0.02	0.085	0.110
	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 5	Reduced	21100	2535	15.89	17.00	1.291	-	-	0.13	0.114	0.147
	LTE Band 7	20M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	21100	2535	15.89	17.00	1.291	-	-	-0.15	0.131	0.169
	LTE Band 7	20M	QPSK	1	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	21100	2535	15.89	17.00	1.291	-	-	-0.15	0.137	0.177
	LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 1	DSI 5	Reduced	21100	2535	15.85	17.00	1.303	-	-	0.02	0.089	0.116
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI 5	Reduced	21100	2535	15.85	17.00	1.303	-	-	-0.02	0.116	0.151
	LTE Band 7	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	21100	2535	15.85	17.00	1.303	-	-	0.03	0.133	0.173
	LTE Band 7	20M	QPSK	50	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	21100	2535	15.85	17.00	1.303	-	-	0.1	0.141	0.184
	LTE Band 7C	20M	QPSK	50	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	21100 +20902	2535 +2515.2	15.83	17.00	1.309	-	-	-0.03	0.126	0.165
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 0	DSI 5	Reduced	21100	2535	21.37	22.50	1.297	-	-	0.09	0.213	0.276
	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 5	Reduced	21100	2535	21.37	22.50	1.297	-	-	-0.07	0.209	0.271
	LTE Band 7	20M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSI 5	Reduced	21100	2535	21.37	22.50	1.297	-	-	0.12	0.126	0.163
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSI 5	Reduced	21100	2535	21.37	22.50	1.297	-	-	-0.07	0.219	0.284
	LTE Band 7C	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSI 5	Reduced	21100 +20902	2535 +2515.2	21.31	22.50	1.315	-	-	0.14	0.189	0.249
	LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 0	DSI 5	Reduced	21100	2535	20.84	22.00	1.306	-	-	-0.15	0.203	0.265
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI 5	Reduced	21100	2535	20.84	22.00	1.306	-	-	0.01	0.193	0.252
	LTE Band 7	20M	QPSK	50	0	-	Right Side	10mm	Ant 0	DSI 5	Reduced	21100	2535	20.84	22.00	1.306	-	-	-0.14	0.117	0.153
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 0	DSI 5	Reduced	21100	2535	20.84	22.00	1.306	-	-	0.13	0.207	0.270
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 3	DSI 5	Reduced	21100	2535	20.27	21.20	1.239	-	-	-0.1	0.212	0.263
	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 3	DSI 5	Reduced	21100	2535	20.27	21.20	1.239	-	-	0.02	0.186	0.230
	LTE Band 7	20M	QPSK	1	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	21100	2535	20.27	21.20	1.239	-	-	0.11	0.239	0.296
	LTE Band 7C	20M	QPSK	1	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	21100 +20902	2535 +2515.2	20.06	21.20	1.300	-	-	0.06	0.225	0.293
	LTE Band 7	20M	QPSK	1	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	21100	2535	20.27	21.20	1.239	-	-	0.11	0.040	0.050
	LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 3	DSI 5	Reduced	21100	2535	20.00	21.20	1.318	-	-	-0.15	0.202	0.266
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 3	DSI 5	Reduced	21100	2535	20.00	21.20	1.318	-	-	-0.09	0.181	0.239
	LTE Band 7	20M	QPSK	50	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	21100	2535	20.00	21.20	1.318	-	-	-0.08	0.228	0.301
	LTE Band 7	20M	QPSK	50	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	21100	2535	20.00	21.20	1.318	-	-	-0.12	0.038	0.050
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 2	DSI 5	Reduced	21100	2535	21.78	22.50	1.180	-	-	0.15	0.467	0.551
	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 5	Reduced	21100	2535	21.78	22.50	1.180	-	-	0.07	0.506	0.597
	LTE Band 7	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	21100	2535	21.78	22.50	1.180	-	-	-0.11	0.228	0.269
48	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	21100	2535	21.78	22.50	1.180	-	-	0.15	0.657	**0.775**
	LTE Band 7C	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	21100 +20902	2535 +2515.2	21.67	22.50	1.211	-	-	0.12	0.598	0.724
	LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 2	DSI 5	Reduced	21100	2535	21.73	22.50	1.194	-	-	-0.13	0.461	0.550
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 5	Reduced	21100	2535	21.73	22.50	1.194	-	-	-0.01	0.502	0.599
	LTE Band 7	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	21100	2535	21.73	22.50	1.194	-	-	0.16	0.220	0.263
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	21100	2535	21.73	22.50	1.194	-	-	-0.03	0.625	0.746
	LTE Band 38	20M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 5	Reduced	38000	2595	17.10	18.00	1.230	62.9	1.006	0.16	0.055	0.068
	LTE Band 38	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 5	Reduced	38000	2595	17.10	18.00	1.230	62.9	1.006	0.06	0.057	0.071
	LTE Band 38	20M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	38000	2595	17.10	18.00	1.230	62.9	1.006	0.14	0.064	0.079
	LTE Band 38	20M	QPSK	1	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	38000	2595	17.10	18.00	1.230	62.9	1.006	0.11	0.091	0.113
	LTE Band 38	20M	QPSK	50	0	-	Front	10mm	Ant 1	DSI 5	Reduced	38000	2595	17.08	18.00	1.236	62.9	1.006	-0.14	0.058	0.072

	LTE Band 38	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI 5	Reduced	38000	2595	17.08	18.00	1.236	62.9	1.006	0.1	0.062	0.077
	LTE Band 38	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	38000	2595	17.08	18.00	1.236	62.9	1.006	-0.02	0.070	0.087
	LTE Band 38	20M	QPSK	50	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	38000	2595	17.08	18.00	1.236	62.9	1.006	0.11	0.109	0.136
	LTE Band 38C	20M	QPSK	50	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	37901 +38099	2585.1 +2604.9	16.96	18.00	1.271	62.9	1.006	0.05	0.099	0.127
	LTE Band 38	20M	QPSK	1	0	-	Front	10mm	Ant 0	DSI 5	Reduced	38000	2595	19.83	21.00	1.309	62.9	1.006	0.15	0.109	0.144
	LTE Band 38	20M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 5	Reduced	38000	2595	19.83	21.00	1.309	62.9	1.006	-0.05	0.095	0.125
	LTE Band 38	20M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSI 5	Reduced	38000	2595	19.83	21.00	1.309	62.9	1.006	-0.13	0.063	0.083
	LTE Band 38	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSI 5	Reduced	38000	2595	19.83	21.00	1.309	62.9	1.006	0.07	0.122	0.161
	LTE Band 38C	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSI 5	Reduced	37901 +38099	2585.1 +2604.9	19.80	21.00	1.318	62.9	1.006	0.05	0.122	0.162
	LTE Band 38	20M	QPSK	50	0	-	Front	10mm	Ant 0	DSI 5	Reduced	38000	2595	19.75	21.00	1.334	62.9	1.006	0.07	0.097	0.130
	LTE Band 38	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI 5	Reduced	38000	2595	19.75	21.00	1.334	62.9	1.006	-0.11	0.089	0.119
	LTE Band 38	20M	QPSK	50	0	-	Right Side	10mm	Ant 0	DSI 5	Reduced	38000	2595	19.75	21.00	1.334	62.9	1.006	-0.03	0.061	0.082
	LTE Band 38	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 0	DSI 5	Reduced	38000	2595	19.75	21.00	1.334	62.9	1.006	-0.01	0.115	0.154
	LTE Band 38	20M	QPSK	1	0	-	Front	10mm	Ant 3	DSI 5	Reduced	38000	2595	21.66	22.70	1.271	62.9	1.006	-0.08	0.167	0.213
	LTE Band 38	20M	QPSK	1	0	-	Back	10mm	Ant 3	DSI 5	Reduced	38000	2595	21.66	22.70	1.271	62.9	1.006	-0.05	0.140	0.179
	LTE Band 38	20M	QPSK	1	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	38000	2595	21.66	22.70	1.271	62.9	1.006	-0.14	0.173	0.221
	LTE Band 38	20M	QPSK	1	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	38000	2595	21.66	22.70	1.271	62.9	1.006	-0.01	0.031	0.040
	LTE Band 38	20M	QPSK	50	0	-	Front	10mm	Ant 3	DSI 5	Reduced	38000	2595	21.64	22.70	1.276	62.9	1.006	0.13	0.169	0.217
	LTE Band 38	20M	QPSK	50	0	-	Back	10mm	Ant 3	DSI 5	Reduced	38000	2595	21.64	22.70	1.276	62.9	1.006	-0.12	0.143	0.184
	LTE Band 38	20M	QPSK	50	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	38000	2595	21.64	22.70	1.276	62.9	1.006	-0.02	0.186	0.239
	LTE Band 38C	20M	QPSK	50	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	37901 +38099	2585.1 +2604.9	21.60	22.70	1.288	62.9	1.006	-0.09	0.168	0.218
	LTE Band 38	20M	QPSK	50	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	38000	2595	21.64	22.70	1.276	62.9	1.006	-0.1	0.035	0.045
	LTE Band 38	20M	QPSK	1	0	-	Front	10mm	Ant 2	DSI 5	Reduced	38000	2595	23.49	24.50	1.262	62.9	1.006	-0.1	0.455	0.578
	LTE Band 38	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 5	Reduced	38000	2595	23.49	24.50	1.262	62.9	1.006	0.07	0.527	0.669
	LTE Band 38	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	38000	2595	23.49	24.50	1.262	62.9	1.006	0.07	0.197	0.250
49	LTE Band 38	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	38000	2595	23.49	24.50	1.262	62.9	1.006	-0.13	0.649	**0.824**
	LTE Band 38C	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	37901 +38099	2585.1 +2604.9	23.41	24.50	1.285	62.9	1.006	0.04	0.487	0.630
	LTE Band 38	20M	QPSK	50	0	-	Front	10mm	Ant 2	DSI 5	Reduced	38000	2595	23.45	24.50	1.274	62.9	1.006	-0.09	0.400	0.512
	LTE Band 38	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 5	Reduced	38000	2595	23.45	24.50	1.274	62.9	1.006	-0.15	0.446	0.571
	LTE Band 38	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	38000	2595	23.45	24.50	1.274	62.9	1.006	0.01	0.176	0.225
	LTE Band 38	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	38000	2595	23.45	24.50	1.274	62.9	1.006	-0.09	0.581	0.744
	LTE Band 38	20M	QPSK	100	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	38000	2595	23.13	24.50	1.371	62.9	1.006	0.06	0.573	0.790
	LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 5	Reduced	40620	2593	17.63	18.50	1.222	62.9	1.006	0.08	0.050	0.061
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 5	Reduced	40620	2593	17.63	18.50	1.222	62.9	1.006	0.12	0.057	0.070
	LTE Band 41	20M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	40620	2593	17.63	18.50	1.222	62.9	1.006	-0.16	0.065	0.080
	LTE Band 41	20M	QPSK	1	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	40620	2593	17.63	18.50	1.222	62.9	1.006	-0.03	0.099	0.122
	LTE Band 41	20M	QPSK	50	0	-	Front	10mm	Ant 1	DSI 5	Reduced	40620	2593	17.57	18.50	1.239	62.9	1.006	0.02	0.054	0.067
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI 5	Reduced	40620	2593	17.57	18.50	1.239	62.9	1.006	-0.01	0.058	0.072
	LTE Band 41	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	40620	2593	17.57	18.50	1.239	62.9	1.006	0.11	0.069	0.086
	LTE Band 41	20M	QPSK	50	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	40620	2593	17.57	18.50	1.239	62.9	1.006	-0.14	0.108	0.135
	LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 0	DSI 5	Reduced	40620	2593	20.01	21.00	1.256	62.9	1.006	0.04	0.105	0.133
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 5	Reduced	40620	2593	20.01	21.00	1.256	62.9	1.006	0.08	0.080	0.101
	LTE Band 41	20M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSI 5	Reduced	40620	2593	20.01	21.00	1.256	62.9	1.006	-0.02	0.061	0.077
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSI 5	Reduced	40620	2593	20.01	21.00	1.256	62.9	1.006	0.09	0.112	0.142
	LTE Band 41	20M	QPSK	50	0	-	Front	10mm	Ant 0	DSI 5	Reduced	40620	2593	19.92	21.00	1.282	62.9	1.006	0.12	0.112	0.144
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI 5	Reduced	40620	2593	19.92	21.00	1.282	62.9	1.006	-0.09	0.094	0.121
	LTE Band 41	20M	QPSK	50	0	-	Right Side	10mm	Ant 0	DSI 5	Reduced	40620	2593	19.92	21.00	1.282	62.9	1.006	-0.12	0.064	0.083
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 0	DSI 5	Reduced	40620	2593	19.92	21.00	1.282	62.9	1.006	-0.03	0.128	0.165
	LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 3	DSI 5	Reduced	40620	2593	20.77	22.00	1.327	62.9	1.006	0.16	0.167	0.223
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 3	DSI 5	Reduced	40620	2593	20.77	22.00	1.327	62.9	1.006	-0.08	0.137	0.183
	LTE Band 41	20M	QPSK	1	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	40620	2593	20.77	22.00	1.327	62.9	1.006	-0.14	0.200	0.267
	LTE Band 41	20M	QPSK	1	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	40620	2593	20.77	22.00	1.327	62.9	1.006	0.05	0.029	0.039
	LTE Band 41	20M	QPSK	50	0	-	Front	10mm	Ant 3	DSI 5	Reduced	40620	2593	20.75	22.00	1.334	62.9	1.006	0.12	0.163	0.219
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 3	DSI 5	Reduced	40620	2593	20.75	22.00	1.334	62.9	1.006	-0.02	0.134	0.180
	LTE Band 41	20M	QPSK	50	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	40620	2593	20.75	22.00	1.334	62.9	1.006	-0.04	0.184	0.247

	LTE Band 41	20M	QPSK	50	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	40620	2593	20.75	22.00	1.334	62.9	1.006	0.13	0.024	0.032
	LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 2	DSI 5	Reduced	40620	2593	23.56	24.50	1.242	62.9	1.006	-0.1	0.435	0.543
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 5	Reduced	40620	2593	23.56	24.50	1.242	62.9	1.006	-0.12	0.476	0.595
	LTE Band 41	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	40620	2593	23.56	24.50	1.242	62.9	1.006	0.14	0.216	0.270
50	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	40620	2593	23.56	24.50	1.242	62.9	1.006	0.13	0.599	**0.748**
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	39750	2506	23.00	24.50	1.413	62.9	1.006	0.16	0.518	0.736
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	40185	2549.5	23.26	24.50	1.330	62.9	1.006	0.14	0.552	0.739
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	41055	2636.5	23.30	24.50	1.318	62.9	1.006	-0.01	0.539	0.715
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	41490	2680	23.12	24.50	1.374	62.9	1.006	-0.14	0.505	0.698
	LTE Band 41	20M	QPSK	50	0	-	Front	10mm	Ant 2	DSI 5	Reduced	40620	2593	23.45	24.50	1.274	62.9	1.006	-0.15	0.384	0.492
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 5	Reduced	40620	2593	23.45	24.50	1.274	62.9	1.006	0.05	0.436	0.559
	LTE Band 41	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	40620	2593	23.45	24.50	1.274	62.9	1.006	-0.03	0.189	0.242
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	40620	2593	23.45	24.50	1.274	62.9	1.006	0.03	0.529	0.678
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	39750	2506	23.02	24.50	1.406	62.9	1.006	0.06	0.513	0.726
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	40185	2549.5	23.39	24.50	1.291	62.9	1.006	-0.04	0.534	0.694
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	41055	2636.5	23.17	24.50	1.358	62.9	1.006	0.14	0.521	0.712
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	41490	2680	23.29	24.50	1.321	62.9	1.006	0.08	0.488	0.649
	LTE Band 41	20M	QPSK	100	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	40620	2593	23.36	24.50	1.300	62.9	1.006	0.04	0.533	0.697
	N7	40M	BPSK	1	1	DFT-15	Front	10mm	Ant 1	DSI 5	Reduced	507000	2535	16.86	18.5	1.459	-	-	-0.1	0.103	0.150
	N7	40M	BPSK	1	1	DFT-15	Back	10mm	Ant 1	DSI 5	Reduced	507000	2535	16.86	18.5	1.459	-	-	-0.15	0.174	0.254
	N7	40M	BPSK	1	1	DFT-15	Left Side	10mm	Ant 1	DSI 5	Reduced	507000	2535	16.86	18.5	1.459	-	-	-0.15	0.150	0.219
	N7	40M	BPSK	1	1	DFT-15	Top Side	10mm	Ant 1	DSI 5	Reduced	507000	2535	16.86	18.5	1.459	-	-	0.06	0.183	0.267
	N7	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 1	DSI 5	Reduced	507000	2535	16.80	18.5	1.479	-	-	-0.15	0.100	0.148
	N7	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 1	DSI 5	Reduced	507000	2535	16.80	18.5	1.479	-	-	0.08	0.155	0.229
	N7	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 1	DSI 5	Reduced	507000	2535	16.80	18.5	1.479	-	-	-0.05	0.141	0.209
	N7	40M	BPSK	108	54	DFT-15	Top Side	10mm	Ant 1	DSI 5	Reduced	507000	2535	16.80	18.5	1.479	-	-	-0.05	0.172	0.254
	N7	40M	BPSK	1	1	DFT-15	Front	10mm	Ant 0	DSI 5	Reduced	507000	2535	21.32	22.50	1.312	-	-	0.01	0.180	0.236
	N7	40M	BPSK	1	1	DFT-15	Back	10mm	Ant 0	DSI 5	Reduced	507000	2535	21.32	22.50	1.312	-	-	0.16	0.124	0.163
	N7	40M	BPSK	1	1	DFT-15	Right Side	10mm	Ant 0	DSI 5	Reduced	507000	2535	21.32	22.50	1.312	-	-	-0.12	0.084	0.110
	N7	40M	BPSK	1	1	DFT-15	Bottom Side	10mm	Ant 0	DSI 5	Reduced	507000	2535	21.32	22.50	1.312	-	-	-0.02	0.181	0.238
	N7	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 0	DSI 5	Reduced	507000	2535	21.25	22.50	1.334	-	-	-0.12	0.181	0.241
	N7	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 0	DSI 5	Reduced	507000	2535	21.25	22.50	1.334	-	-	0.16	0.137	0.183
	N7	40M	BPSK	108	54	DFT-15	Right Side	10mm	Ant 0	DSI 5	Reduced	507000	2535	21.25	22.50	1.334	-	-	-0.14	0.086	0.115
	N7	40M	BPSK	108	54	DFT-15	Bottom Side	10mm	Ant 0	DSI 5	Reduced	507000	2535	21.25	22.50	1.334	-	-	0.12	0.195	0.260
	N7	40M	BPSK	1	1	DFT-15	Front	10mm	Ant 3	DSI 5	Reduced	507000	2535	20.38	20.70	1.076	-	-	0.13	0.181	0.195
	N7	40M	BPSK	1	1	DFT-15	Back	10mm	Ant 3	DSI 5	Reduced	507000	2535	20.38	20.70	1.076	-	-	-0.13	0.168	0.181
	N7	40M	BPSK	1	1	DFT-15	Left Side	10mm	Ant 3	DSI 5	Reduced	507000	2535	20.38	20.70	1.076	-	-	0.15	0.194	0.209
	N7	40M	BPSK	1	1	DFT-15	Top Side	10mm	Ant 3	DSI 5	Reduced	507000	2535	20.38	20.70	1.076	-	-	0.11	0.047	0.051
	N7	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 3	DSI 5	Reduced	507000	2535	20.22	20.70	1.117	-	-	0.06	0.189	0.211
	N7	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 3	DSI 5	Reduced	507000	2535	20.22	20.70	1.117	-	-	-0.01	0.171	0.191
	N7	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 3	DSI 5	Reduced	507000	2535	20.22	20.70	1.117	-	-	0.01	0.199	0.222
	N7	40M	BPSK	108	54	DFT-15	Top Side	10mm	Ant 3	DSI 5	Reduced	507000	2535	20.22	20.70	1.117	-	-	-0.15	0.050	0.056
	N7	40M	BPSK	1	1	DFT-15	Front	10mm	Ant 2	DSI 5	Reduced	507000	2535	21.34	22.00	1.164	-	-	-0.06	0.308	0.359
	N7	40M	BPSK	1	1	DFT-15	Back	10mm	Ant 2	DSI 5	Reduced	507000	2535	21.34	22.00	1.164	-	-	0.09	0.451	0.525
	N7	40M	BPSK	1	1	DFT-15	Left Side	10mm	Ant 2	DSI 5	Reduced	507000	2535	21.34	22.00	1.164	-	-	-0.04	0.141	0.164
	N7	40M	BPSK	1	1	DFT-15	Bottom Side	10mm	Ant 2	DSI 5	Reduced	507000	2535	21.34	22.00	1.164	-	-	0.12	0.482	0.561
	N7	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 2	DSI 5	Reduced	507000	2535	21.25	22.00	1.189	-	-	0.08	0.311	0.370
	N7	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 2	DSI 5	Reduced	507000	2535	21.25	22.00	1.189	-	-	-0.08	0.466	0.554
	N7	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 2	DSI 5	Reduced	507000	2535	21.25	22.00	1.189	-	-	-0.01	0.147	0.175
51	N7	40M	BPSK	108	54	DFT-15	Bottom Side	10mm	Ant 2	DSI 5	Reduced	507000	2535	21.25	22.00	1.189	-	-	-0.08	0.493	**0.586**
	N38	40M	BPSK	1	1	DFT-30	Front	10mm	Ant 1	DSI 5	Reduced	519000	2595	17.78	19.00	1.324	-	-	0.09	0.123	0.163
	N38	40M	BPSK	1	1	DFT-30	Back	10mm	Ant 1	DSI 5	Reduced	519000	2595	17.78	19.00	1.324	-	-	-0.01	0.109	0.144
	N38	40M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 1	DSI 5	Reduced	519000	2595	17.78	19.00	1.324	-	-	0.16	0.152	0.201
	N38	40M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 1	DSI 5	Reduced	519000	2595	17.78	19.00	1.324	-	-	-0.09	0.213	0.282
	N38	40M	BPSK	50	28	DFT-30	Front	10mm	Ant 1	DSI 5	Reduced	519000	2595	17.76	19.00	1.330	-	-	-0.07	0.105	0.140
	N38	40M	BPSK	50	28	DFT-30	Back	10mm	Ant 1	DSI 5	Reduced	519000	2595	17.76	19.00	1.330	-	-	0.02	0.102	0.136

	N38	40M	BPSK	50	28	DFT-30	Left Side	10mm	Ant 1	DSI 5	Reduced	519000	2595	17.76	19.00	1.330	-	-	0.01	0.158	0.210
	N38	40M	BPSK	50	28	DFT-30	Top Side	10mm	Ant 1	DSI 5	Reduced	519000	2595	17.76	19.00	1.330	-	-	0.05	0.183	0.243
	N38	40M	BPSK	1	1	DFT-30	Front	10mm	Ant 0	DSI 5	Reduced	519000	2595	21.36	21.50	1.033	-	-	0.12	0.158	0.163
	N38	40M	BPSK	1	1	DFT-30	Back	10mm	Ant 0	DSI 5	Reduced	519000	2595	21.36	21.50	1.033	-	-	-0.04	0.172	0.178
	N38	40M	BPSK	1	1	DFT-30	Right Side	10mm	Ant 0	DSI 5	Reduced	519000	2595	21.36	21.50	1.033	-	-	-0.1	0.128	0.132
	N38	40M	BPSK	1	1	DFT-30	Bottom Side	10mm	Ant 0	DSI 5	Reduced	519000	2595	21.36	21.50	1.033	-	-	0.14	0.216	0.223
	N38	40M	BPSK	50	28	DFT-30	Front	10mm	Ant 0	DSI 5	Reduced	519000	2595	21.28	21.50	1.052	-	-	0.07	0.168	0.177
	N38	40M	BPSK	50	28	DFT-30	Back	10mm	Ant 0	DSI 5	Reduced	519000	2595	21.28	21.50	1.052	-	-	-0.04	0.195	0.205
	N38	40M	BPSK	50	28	DFT-30	Right Side	10mm	Ant 0	DSI 5	Reduced	519000	2595	21.28	21.50	1.052	-	-	-0.11	0.167	0.176
	N38	40M	BPSK	50	28	DFT-30	Bottom Side	10mm	Ant 0	DSI 5	Reduced	519000	2595	21.28	21.50	1.052	-	-	0.09	0.287	0.302
	N38	40M	BPSK	1	1	DFT-30	Front	10mm	Ant 3	DSI 5	Reduced	519000	2595	20.18	21.00	1.208	-	-	-0.08	0.221	0.267
	N38	40M	BPSK	1	1	DFT-30	Back	10mm	Ant 3	DSI 5	Reduced	519000	2595	20.18	21.00	1.208	-	-	-0.05	0.180	0.217
	N38	40M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 3	DSI 5	Reduced	519000	2595	20.18	21.00	1.208	-	-	-0.02	0.248	0.300
	N38	40M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 3	DSI 5	Reduced	519000	2595	20.18	21.00	1.208	-	-	-0.07	0.050	0.060
	N38	40M	BPSK	50	28	DFT-30	Front	10mm	Ant 3	DSI 5	Reduced	519000	2595	20.10	21.00	1.230	-	-	-0.16	0.231	0.284
	N38	40M	BPSK	50	28	DFT-30	Back	10mm	Ant 3	DSI 5	Reduced	519000	2595	20.10	21.00	1.230	-	-	-0.1	0.184	0.226
	N38	40M	BPSK	50	28	DFT-30	Left Side	10mm	Ant 3	DSI 5	Reduced	519000	2595	20.10	21.00	1.230	-	-	-0.01	0.249	0.306
	N38	40M	BPSK	50	28	DFT-30	Top Side	10mm	Ant 3	DSI 5	Reduced	519000	2595	20.10	21.00	1.230	-	-	-0.12	0.053	0.065
	N38	40M	BPSK	1	1	DFT-30	Front	10mm	Ant 2	DSI 5	Reduced	519000	2595	21.72	22.00	1.067	-	-	0.04	0.359	0.383
	N38	40M	BPSK	1	1	DFT-30	Back	10mm	Ant 2	DSI 5	Reduced	519000	2595	21.72	22.00	1.067	-	-	0.13	0.518	0.552
	N38	40M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 2	DSI 5	Reduced	519000	2595	21.72	22.00	1.067	-	-	-0.02	0.161	0.172
52	N38	40M	BPSK	1	1	DFT-30	Bottom Side	10mm	Ant 2	DSI 5	Reduced	519000	2595	21.72	22.00	1.067	-	-	-0.06	0.538	**0.574**
	N38	40M	BPSK	50	28	DFT-30	Front	10mm	Ant 2	DSI 5	Reduced	519000	2595	21.64	22.00	1.086	-	-	0.14	0.329	0.357
	N38	40M	BPSK	50	28	DFT-30	Back	10mm	Ant 2	DSI 5	Reduced	519000	2595	21.64	22.00	1.086	-	-	-0.14	0.464	0.504
	N38	40M	BPSK	50	28	DFT-30	Left Side	10mm	Ant 2	DSI 5	Reduced	519000	2595	21.64	22.00	1.086	-	-	0.16	0.159	0.173
	N38	40M	BPSK	50	28	DFT-30	Bottom Side	10mm	Ant 2	DSI 5	Reduced	519000	2595	21.64	22.00	1.086	-	-	-0.16	0.496	0.539
	N41	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 1	DSI 5	Reduced	518598	2592.99	16.60	17.50	1.230	-	-	0.13	0.095	0.117
	N41	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 1	DSI 5	Reduced	518598	2592.99	16.60	17.50	1.230	-	-	0.16	0.117	0.144
	N41	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 1	DSI 5	Reduced	518598	2592.99	16.60	17.50	1.230	-	-	-0.12	0.096	0.118
	N41	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 1	DSI 5	Reduced	518598	2592.99	16.60	17.50	1.230	-	-	-0.02	0.121	0.149
	N41	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 1	DSI 5	Reduced	518598	2592.99	16.41	17.50	1.285	-	-	-0.12	0.102	0.131
	N41	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 1	DSI 5	Reduced	518598	2592.99	16.41	17.50	1.285	-	-	0.07	0.121	0.156
	N41	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 1	DSI 5	Reduced	518598	2592.99	16.41	17.50	1.285	-	-	0.11	0.098	0.126
	N41	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 1	DSI 5	Reduced	518598	2592.99	16.41	17.50	1.285	-	-	-0.14	0.154	0.198
	N41	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 0	DSI 5	Reduced	518598	2592.99	18.57	19.50	1.239	-	-	0.09	0.090	0.111
	N41	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 0	DSI 5	Reduced	518598	2592.99	18.57	19.50	1.239	-	-	0.13	0.103	0.128
	N41	100M	BPSK	1	1	DFT-30	Right Side	10mm	Ant 0	DSI 5	Reduced	518598	2592.99	18.57	19.50	1.239	-	-	0.05	0.070	0.087
	N41	100M	BPSK	1	1	DFT-30	Bottom Side	10mm	Ant 0	DSI 5	Reduced	518598	2592.99	18.57	19.50	1.239	-	-	-0.1	0.108	0.134
	N41	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 0	DSI 5	Reduced	518598	2592.99	18.48	19.50	1.265	-	-	-0.05	0.108	0.137
	N41	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 0	DSI 5	Reduced	518598	2592.99	18.48	19.50	1.265	-	-	-0.15	0.111	0.140
	N41	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 0	DSI 5	Reduced	518598	2592.99	18.48	19.50	1.265	-	-	0.13	0.073	0.092
	N41	100M	BPSK	135	69	DFT-30	Bottom Side	10mm	Ant 0	DSI 5	Reduced	518598	2592.99	18.48	19.50	1.265	-	-	0.03	0.142	0.180
	N41	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 3	DSI 5	Reduced	518598	2592.99	18.63	19.50	1.222	-	-	-0.01	0.141	0.172
	N41	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 3	DSI 5	Reduced	518598	2592.99	18.63	19.50	1.222	-	-	0.16	0.128	0.156
	N41	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 3	DSI 5	Reduced	518598	2592.99	18.63	19.50	1.222	-	-	0.08	0.147	0.180
	N41	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 3	DSI 5	Reduced	518598	2592.99	18.63	19.50	1.222	-	-	-0.05	0.040	0.049
	N41	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 3	DSI 5	Reduced	518598	2592.99	18.60	19.50	1.230	-	-	0.15	0.156	0.192
	N41	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 3	DSI 5	Reduced	518598	2592.99	18.60	19.50	1.230	-	-	0.1	0.132	0.162
	N41	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 3	DSI 5	Reduced	518598	2592.99	18.60	19.50	1.230	-	-	0.14	0.175	0.215
	N41	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 3	DSI 5	Reduced	518598	2592.99	18.60	19.50	1.230	-	-	-0.07	0.046	0.057
	N41	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 2	DSI 5	Reduced	518598	2592.99	21.25	22.00	1.189	-	-	0.12	0.330	0.392
	N41	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 2	DSI 5	Reduced	518598	2592.99	21.25	22.00	1.189	-	-	-0.09	0.476	0.566
	N41	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 2	DSI 5	Reduced	518598	2592.99	21.25	22.00	1.189	-	-	0.09	0.149	0.177
53	N41	100M	BPSK	1	1	DFT-30	Bottom Side	10mm	Ant 2	DSI 5	Reduced	518598	2592.99	21.25	22.00	1.189	-	-	0.16	0.560	**0.666**
	N41	100M	BPSK	1	1	DFT-30	Bottom Side	10mm	Ant 2	DSI 5	Reduced	509202	2546.01	21.16	22.00	1.213	-	-	0.05	0.542	0.658
	N41	100M	BPSK	1	1	DFT-30	Bottom Side	10mm	Ant 2	DSI 5	Reduced	528000	2640	21.17	22.00	1.211	-	-	0.09	0.518	0.627

	N41	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 2	DSI 5	Reduced	518598	2592.99	21.02	22.00	1.253	-	-	-0.11	0.303	0.380
	N41	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 2	DSI 5	Reduced	518598	2592.99	21.02	22.00	1.253	-	-	0.09	0.433	0.543
	N41	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 2	DSI 5	Reduced	518598	2592.99	21.02	22.00	1.253	-	-	0.15	0.135	0.169
	N41	100M	BPSK	135	69	DFT-30	Bottom Side	10mm	Ant 2	DSI 5	Reduced	518598	2592.99	21.02	22.00	1.253	-	-	-0.13	0.525	0.658
	N41	100M	BPSK	135	69	DFT-30	Bottom Side	10mm	Ant 2	DSI 5	Reduced	509202	2546.01	20.95	22.00	1.274	-	-	0.07	0.506	0.644
	N41	100M	BPSK	135	69	DFT-30	Bottom Side	10mm	Ant 2	DSI 5	Reduced	528000	2640	20.95	22.00	1.274	-	-	-0.06	0.499	0.635
	N41	100M	BPSK	270	0	DFT-30	Bottom Side	10mm	Ant 2	DSI 5	Reduced	518598	2592.99	21.00	22.00	1.259	-	-	-0.1	0.527	0.663
3500-3900MHz																				
	LTE Band 42	20M	QPSK	1	0	-	Front	10mm	Ant 4	DSI 5	Reduced	42590	3500	21.03	22.50	1.403	62.9	1.006	-0.07	0.102	0.144
	LTE Band 42	20M	QPSK	1	0	-	Back	10mm	Ant 4	DSI 5	Reduced	42590	3500	21.03	22.50	1.403	62.9	1.006	-0.04	0.178	0.251
	LTE Band 42	20M	QPSK	1	0	-	Left Side	10mm	Ant 4	DSI 5	Reduced	42590	3500	21.03	22.50	1.403	62.9	1.006	-0.06	0.236	0.333
	LTE Band 42	20M	QPSK	1	0	-	Top Side	10mm	Ant 4	DSI 5	Reduced	42590	3500	21.03	22.50	1.403	62.9	1.006	-0.06	0.062	0.087
	LTE Band 42	20M	QPSK	50	0	-	Front	10mm	Ant 4	DSI 5	Reduced	42590	3500	20.99	22.50	1.416	62.9	1.006	0.01	0.107	0.152
	LTE Band 42	20M	QPSK	50	0	-	Back	10mm	Ant 4	DSI 5	Reduced	42590	3500	20.99	22.50	1.416	62.9	1.006	0.01	0.181	0.258
	LTE Band 42	20M	QPSK	50	0	-	Left Side	10mm	Ant 4	DSI 5	Reduced	42590	3500	20.99	22.50	1.416	62.9	1.006	0.05	0.260	0.370
	LTE Band 42	20M	QPSK	50	0	-	Top Side	10mm	Ant 4	DSI 5	Reduced	42590	3500	20.99	22.50	1.416	62.9	1.006	0.07	0.064	0.091
	LTE Band 42	20M	QPSK	1	0	-	Front	10mm	Ant 5	DSI 5	Reduced	42590	3500	20.01	21.20	1.315	62.9	1.006	-0.11	0.114	0.151
	LTE Band 42	20M	QPSK	1	0	-	Back	10mm	Ant 5	DSI 5	Reduced	42590	3500	20.01	21.20	1.315	62.9	1.006	0.11	0.189	0.250
	LTE Band 42	20M	QPSK	1	0	-	Right Side	10mm	Ant 5	DSI 5	Reduced	42590	3500	20.01	21.20	1.315	62.9	1.006	-0.01	0.040	0.053
	LTE Band 42	20M	QPSK	1	0	-	Top Side	10mm	Ant 5	DSI 5	Reduced	42590	3500	20.01	21.20	1.315	62.9	1.006	-0.13	0.258	0.341
	LTE Band 42	20M	QPSK	50	0	-	Front	10mm	Ant 5	DSI 5	Reduced	42590	3500	20.00	21.20	1.318	62.9	1.006	-0.11	0.115	0.153
	LTE Band 42	20M	QPSK	50	0	-	Back	10mm	Ant 5	DSI 5	Reduced	42590	3500	20.00	21.20	1.318	62.9	1.006	-0.08	0.197	0.261
	LTE Band 42	20M	QPSK	50	0	-	Right Side	10mm	Ant 5	DSI 5	Reduced	42590	3500	20.00	21.20	1.318	62.9	1.006	0.08	0.042	0.056
	LTE Band 42	20M	QPSK	50	0	-	Top Side	10mm	Ant 5	DSI 5	Reduced	42590	3500	20.00	21.20	1.318	62.9	1.006	0.01	0.324	0.430
	LTE Band 42	20M	QPSK	1	0	-	Front	10mm	Ant 6	DSI 5	Reduced	42590	3500	19.19	20.00	1.205	62.9	1.006	0.07	0.130	0.158
	LTE Band 42	20M	QPSK	1	0	-	Back	10mm	Ant 6	DSI 5	Reduced	42590	3500	19.19	20.00	1.205	62.9	1.006	0.04	0.106	0.129
	LTE Band 42	20M	QPSK	1	0	-	Right Side	10mm	Ant 6	DSI 5	Reduced	42590	3500	19.19	20.00	1.205	62.9	1.006	0.07	0.246	0.298
	LTE Band 42	20M	QPSK	1	0	-	Top Side	10mm	Ant 6	DSI 5	Reduced	42590	3500	19.19	20.00	1.205	62.9	1.006	0.03	0.085	0.103
	LTE Band 42	20M	QPSK	50	0	-	Front	10mm	Ant 6	DSI 5	Reduced	42590	3500	19.15	20.00	1.216	62.9	1.006	-0.11	0.134	0.164
	LTE Band 42	20M	QPSK	50	0	-	Back	10mm	Ant 6	DSI 5	Reduced	42590	3500	19.15	20.00	1.216	62.9	1.006	-0.15	0.110	0.135
	LTE Band 42	20M	QPSK	50	0	-	Right Side	10mm	Ant 6	DSI 5	Reduced	42590	3500	19.15	20.00	1.216	62.9	1.006	0.14	0.269	0.329
	LTE Band 42	20M	QPSK	50	0	-	Top Side	10mm	Ant 6	DSI 5	Reduced	42590	3500	19.15	20.00	1.216	62.9	1.006	0.08	0.086	0.105
	LTE Band 42	20M	QPSK	1	0	-	Front	10mm	Ant 7	DSI 5	Reduced	42590	3500	20.08	21.50	1.387	62.9	1.006	-0.04	0.044	0.061
	LTE Band 42	20M	QPSK	1	0	-	Back	10mm	Ant 7	DSI 5	Reduced	42590	3500	20.08	21.50	1.387	62.9	1.006	-0.15	0.463	0.646
	LTE Band 42	20M	QPSK	1	0	-	Left Side	10mm	Ant 7	DSI 5	Reduced	42590	3500	20.08	21.50	1.387	62.9	1.006	0.08	0.164	0.229
	LTE Band 42	20M	QPSK	1	0	-	Top Side	10mm	Ant 7	DSI 5	Reduced	42590	3500	20.08	21.50	1.387	62.9	1.006	-0.08	0.031	0.043
	LTE Band 42	20M	QPSK	1	0	-	Back	10mm	Ant 7	DSI 5	Reduced	42190	3460	20.02	21.50	1.406	62.9	1.006	-0.07	0.464	0.656
	LTE Band 42	20M	QPSK	1	0	-	Back	10mm	Ant 7	DSI 5	Reduced	42990	3540	19.96	21.50	1.426	62.9	1.006	-0.03	0.527	0.756
	LTE Band 42	20M	QPSK	50	0	-	Front	10mm	Ant 7	DSI 5	Reduced	42590	3500	20.07	21.50	1.390	62.9	1.006	0.08	0.050	0.070
	LTE Band 42	20M	QPSK	50	0	-	Back	10mm	Ant 7	DSI 5	Reduced	42590	3500	20.07	21.50	1.390	62.9	1.006	-0.04	0.481	0.673
	LTE Band 42	20M	QPSK	50	0	-	Left Side	10mm	Ant 7	DSI 5	Reduced	42590	3500	20.07	21.50	1.390	62.9	1.006	-0.13	0.171	0.239
	LTE Band 42	20M	QPSK	50	0	-	Top Side	10mm	Ant 7	DSI 5	Reduced	42590	3500	20.07	21.50	1.390	62.9	1.006	0.04	0.033	0.046
	LTE Band 42	20M	QPSK	50	0	-	Back	10mm	Ant 7	DSI 5	Reduced	42190	3460	19.96	21.50	1.426	62.9	1.006	0.04	0.490	0.703
54	LTE Band 42	20M	QPSK	50	0	-	Back	10mm	Ant 7	DSI 5	Reduced	42990	3540	19.92	21.50	1.439	62.9	1.006	-0.05	0.574	**0.831**
	LTE Band 42	20M	QPSK	100	0	-	Back	10mm	Ant 7	DSI 5	Reduced	42590	3500	20.02	21.50	1.406	62.9	1.006	0.16	0.467	0.661
	LTE Band 48	20M	QPSK	1	0	-	Front	10mm	Ant 4	DSI 5	Reduced	55830	3609	21.64	23.00	1.368	62.9	1.006	0.03	0.116	0.160
	LTE Band 48	20M	QPSK	1	0	-	Back	10mm	Ant 4	DSI 5	Reduced	55830	3609	21.64	23.00	1.368	62.9	1.006	0.11	0.179	0.246
	LTE Band 48	20M	QPSK	1	0	-	Left Side	10mm	Ant 4	DSI 5	Reduced	55830	3609	21.64	23.00	1.368	62.9	1.006	-0.08	0.504	0.693
	LTE Band 48	20M	QPSK	1	0	-	Top Side	10mm	Ant 4	DSI 5	Reduced	55830	3609	21.64	23.00	1.368	62.9	1.006	0.12	0.069	0.095
	LTE Band 48	20M	QPSK	1	0	-	Left Side	10mm	Ant 4	DSI 5	Reduced	55340	3560	21.59	23.00	1.384	62.9	1.006	0.08	0.451	0.628
	LTE Band 48	20M	QPSK	1	0	-	Left Side	10mm	Ant 4	DSI 5	Reduced	56150	3641	21.54	23.00	1.400	62.9	1.006	0.01	0.453	0.638
	LTE Band 48	20M	QPSK	1	0	-	Left Side	10mm	Ant 4	DSI 5	Reduced	56640	3690	21.44	23.00	1.432	62.9	1.006	-0.15	0.437	0.630
	LTE Band 48	20M	QPSK	50	0	-	Front	10mm	Ant 4	DSI 5	Reduced	55830	3609	21.63	23.00	1.371	62.9	1.006	-0.13	0.103	0.142
	LTE Band 48	20M	QPSK	50	0	-	Back	10mm	Ant 4	DSI 5	Reduced	55830	3609	21.63	23.00	1.371	62.9	1.006	0.13	0.169	0.233
	LTE Band 48	20M	QPSK	50	0	-	Left Side	10mm	Ant 4	DSI 5	Reduced	55830	3609	21.63	23.00	1.371	62.9	1.006	0.16	0.488	0.673
	LTE Band 48	20M	QPSK	50	0	-	Top Side	10mm	Ant 4	DSI 5	Reduced	55830	3609	21.63	23.00	1.371	62.9	1.006	0.1	0.062	0.086

	LTE Band 48	20M	QPSK	50	0	-	Left Side	10mm	Ant 4	DSI 5	Reduced	55340	3560	21.57	23.00	1.390	62.9	1.006	-0.03	0.443	0.619
	LTE Band 48	20M	QPSK	50	0	-	Left Side	10mm	Ant 4	DSI 5	Reduced	56150	3641	21.52	23.00	1.406	62.9	1.006	0.08	0.444	0.628
	LTE Band 48	20M	QPSK	50	0	-	Left Side	10mm	Ant 4	DSI 5	Reduced	56640	3690	21.38	23.00	1.452	62.9	1.006	0.08	0.428	0.625
	LTE Band 48	20M	QPSK	100	0	-	Left Side	10mm	Ant 4	DSI 5	Reduced	55830	3609	21.61	23.00	1.377	62.9	1.006	0.14	0.433	0.600
	LTE Band 48	20M	QPSK	1	0	-	Front	10mm	Ant 5	DSI 5	Reduced	55830	3609	19.98	21.50	1.419	62.9	1.006	0.12	0.165	0.236
	LTE Band 48	20M	QPSK	1	0	-	Back	10mm	Ant 5	DSI 5	Reduced	55830	3609	19.98	21.50	1.419	62.9	1.006	-0.14	0.290	0.414
	LTE Band 48	20M	QPSK	1	0	-	Right Side	10mm	Ant 5	DSI 5	Reduced	55830	3609	19.98	21.50	1.419	62.9	1.006	-0.14	0.055	0.079
	LTE Band 48	20M	QPSK	1	0	-	Top Side	10mm	Ant 5	DSI 5	Reduced	55830	3609	19.98	21.50	1.419	62.9	1.006	0.15	0.421	0.601
	LTE Band 48	20M	QPSK	1	0	-	Top Side	10mm	Ant 5	DSI 5	Reduced	55340	3560	19.87	21.50	1.455	62.9	1.006	0.14	0.370	0.542
	LTE Band 48	20M	QPSK	1	0	-	Top Side	10mm	Ant 5	DSI 5	Reduced	56150	3641	19.85	21.50	1.462	62.9	1.006	-0.1	0.347	0.510
	LTE Band 48	20M	QPSK	1	0	-	Top Side	10mm	Ant 5	DSI 5	Reduced	56640	3690	19.94	21.50	1.432	62.9	1.006	0.16	0.340	0.490
	LTE Band 48	20M	QPSK	50	0	-	Front	10mm	Ant 5	DSI 5	Reduced	55830	3609	19.95	21.50	1.429	62.9	1.006	-0.07	0.176	0.253
	LTE Band 48	20M	QPSK	50	0	-	Back	10mm	Ant 5	DSI 5	Reduced	55830	3609	19.95	21.50	1.429	62.9	1.006	0.12	0.293	0.421
	LTE Band 48	20M	QPSK	50	0	-	Right Side	10mm	Ant 5	DSI 5	Reduced	55830	3609	19.95	21.50	1.429	62.9	1.006	0.06	0.058	0.083
	LTE Band 48	20M	QPSK	50	0	-	Top Side	10mm	Ant 5	DSI 5	Reduced	55830	3609	19.95	21.50	1.429	62.9	1.006	-0.13	0.433	0.622
	LTE Band 48	20M	QPSK	50	0	-	Top Side	10mm	Ant 5	DSI 5	Reduced	55340	3560	19.73	21.50	1.503	62.9	1.006	-0.06	0.375	0.567
	LTE Band 48	20M	QPSK	50	0	-	Top Side	10mm	Ant 5	DSI 5	Reduced	56150	3641	19.78	21.50	1.486	62.9	1.006	0.03	0.355	0.531
	LTE Band 48	20M	QPSK	50	0	-	Top Side	10mm	Ant 5	DSI 5	Reduced	56640	3690	19.80	21.50	1.479	62.9	1.006	-0.06	0.350	0.521
	LTE Band 48	20M	QPSK	100	0	-	Top Side	10mm	Ant 5	DSI 5	Reduced	55830	3609	19.93	21.50	1.435	62.9	1.006	-0.11	0.365	0.527
	LTE Band 48	20M	QPSK	1	0	-	Front	10mm	Ant 6	DSI 5	Reduced	55830	3609	16.68	17.50	1.208	62.9	1.006	-0.01	0.142	0.173
	LTE Band 48	20M	QPSK	1	0	-	Back	10mm	Ant 6	DSI 5	Reduced	55830	3609	16.68	17.50	1.208	62.9	1.006	-0.1	0.110	0.134
	LTE Band 48	20M	QPSK	1	0	-	Right Side	10mm	Ant 6	DSI 5	Reduced	55830	3609	16.68	17.50	1.208	62.9	1.006	-0.1	0.257	0.312
	LTE Band 48	20M	QPSK	1	0	-	Top Side	10mm	Ant 6	DSI 5	Reduced	55830	3609	16.68	17.50	1.208	62.9	1.006	0.07	0.089	0.108
	LTE Band 48	20M	QPSK	50	0	-	Front	10mm	Ant 6	DSI 5	Reduced	55830	3609	16.66	17.50	1.213	62.9	1.006	-0.03	0.130	0.159
	LTE Band 48	20M	QPSK	50	0	-	Back	10mm	Ant 6	DSI 5	Reduced	55830	3609	16.66	17.50	1.213	62.9	1.006	0.13	0.101	0.123
	LTE Band 48	20M	QPSK	50	0	-	Right Side	10mm	Ant 6	DSI 5	Reduced	55830	3609	16.66	17.50	1.213	62.9	1.006	-0.1	0.239	0.292
	LTE Band 48	20M	QPSK	50	0	-	Top Side	10mm	Ant 6	DSI 5	Reduced	55830	3609	16.66	17.50	1.213	62.9	1.006	-0.11	0.079	0.096
	LTE Band 48	20M	QPSK	1	0	-	Front	10mm	Ant 7	DSI 5	Reduced	55830	3609	19.75	21.00	1.334	62.9	1.006	-0.07	0.048	0.064
	LTE Band 48	20M	QPSK	1	0	-	Back	10mm	Ant 7	DSI 5	Reduced	55830	3609	19.75	21.00	1.334	62.9	1.006	0.15	0.561	0.753
	LTE Band 48	20M	QPSK	1	0	-	Left Side	10mm	Ant 7	DSI 5	Reduced	55830	3609	19.75	21.00	1.334	62.9	1.006	-0.11	0.184	0.247
	LTE Band 48	20M	QPSK	1	0	-	Top Side	10mm	Ant 7	DSI 5	Reduced	55830	3609	19.75	21.00	1.334	62.9	1.006	0.05	0.036	0.048
	LTE Band 48	20M	QPSK	1	0	-	Back	10mm	Ant 7	DSI 5	Reduced	55340	3560	19.74	21.00	1.337	62.9	1.006	-0.08	0.521	0.701
	LTE Band 48	20M	QPSK	1	0	-	Back	10mm	Ant 7	DSI 5	Reduced	56150	3641	19.62	21.00	1.374	62.9	1.006	0.06	0.592	0.818
	LTE Band 48	20M	QPSK	1	0	-	Back	10mm	Ant 7	DSI 5	Reduced	56640	3690	19.36	21.00	1.459	62.9	1.006	-0.07	0.681	0.999
	LTE Band 48	20M	QPSK	50	0	-	Front	10mm	Ant 7	DSI 5	Reduced	55830	3609	19.74	21.00	1.337	62.9	1.006	-0.14	0.055	0.074
	LTE Band 48	20M	QPSK	50	0	-	Back	10mm	Ant 7	DSI 5	Reduced	55830	3609	19.74	21.00	1.337	62.9	1.006	-0.14	0.571	0.768
	LTE Band 48	20M	QPSK	50	0	-	Left Side	10mm	Ant 7	DSI 5	Reduced	55830	3609	19.74	21.00	1.337	62.9	1.006	0.12	0.198	0.266
	LTE Band 48	20M	QPSK	50	0	-	Top Side	10mm	Ant 7	DSI 5	Reduced	55830	3609	19.74	21.00	1.337	62.9	1.006	0.14	0.039	0.052
	LTE Band 48	20M	QPSK	50	0	-	Back	10mm	Ant 7	DSI 5	Reduced	55340	3560	19.60	21.00	1.380	62.9	1.006	-0.13	0.539	0.748
	LTE Band 48	20M	QPSK	50	0	-	Back	10mm	Ant 7	DSI 5	Reduced	56150	3641	19.71	21.00	1.346	62.9	1.006	-0.04	0.613	0.830
55	LTE Band 48	20M	QPSK	50	0	-	Back	10mm	Ant 7	DSI 5	Reduced	56640	3690	19.72	21.00	1.343	62.9	1.006	0.15	0.751	**1.014**
	LTE Band 48	20M	QPSK	100	0	-	Back	10mm	Ant 7	DSI 5	Reduced	55830	3609	19.73	21.00	1.340	62.9	1.006	-0.03	0.570	0.768
	N77	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 4	DSI 5	Reduced	633334	3500.01	18.99	20.00	1.262	-	-	-0.04	0.124	0.156
	N77	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 4	DSI 5	Reduced	633334	3500.01	18.99	20.00	1.262	-	-	-0.03	0.168	0.212
	N77	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 4	DSI 5	Reduced	633334	3500.01	18.99	20.00	1.262	-	-	-0.13	0.221	0.279
	N77	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 4	DSI 5	Reduced	633334	3500.01	18.99	20.00	1.262	-	-	-0.06	0.060	0.076
	N77	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 4	DSI 5	Reduced	633334	3500.01	18.92	20.00	1.282	-	-	0.15	0.127	0.163
	N77	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 4	DSI 5	Reduced	633334	3500.01	18.92	20.00	1.282	-	-	-0.06	0.169	0.217
	N77	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 4	DSI 5	Reduced	633334	3500.01	18.92	20.00	1.282	-	-	-0.12	0.255	0.327
	N77	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 4	DSI 5	Reduced	633334	3500.01	18.92	20.00	1.282	-	-	0.06	0.063	0.081
	N77	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 4	DSI 5	Reduced	656000	3840	18.42	20.00	1.439	-	-	-0.14	0.080	0.115
	N77	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 4	DSI 5	Reduced	656000	3840	18.42	20.00	1.439	-	-	-0.16	0.095	0.137
	N77	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 4	DSI 5	Reduced	656000	3840	18.42	20.00	1.439	-	-	-0.06	0.186	0.268
	N77	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 4	DSI 5	Reduced	656000	3840	18.42	20.00	1.439	-	-	0.1	0.055	0.079
	N77	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 4	DSI 5	Reduced	656000	3840	18.30	20.00	1.479	-	-	0.1	0.083	0.123
	N77	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 4	DSI 5	Reduced	656000	3840	18.30	20.00	1.479	-	-	-0.03	0.100	0.148

	N77	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 4	DSI 5	Reduced	656000	3840	18.30	20.00	1.479	-	-	0.12	0.210	0.311
	N77	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 4	DSI 5	Reduced	656000	3840	18.30	20.00	1.479	-	-	-0.14	0.059	0.087
	N77	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 5	DSI 5	Reduced	633334	3500.01	16.85	18.20	1.365	-	-	-0.03	0.097	0.132
	N77	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 5	DSI 5	Reduced	633334	3500.01	16.85	18.20	1.365	-	-	-0.13	0.150	0.205
	N77	100M	BPSK	1	1	DFT-30	Right Side	10mm	Ant 5	DSI 5	Reduced	633334	3500.01	16.85	18.20	1.365	-	-	0.06	0.061	0.083
	N77	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 5	DSI 5	Reduced	633334	3500.01	16.85	18.20	1.365	-	-	-0.14	0.217	0.296
	N77	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 5	DSI 5	Reduced	633334	3500.01	16.82	18.20	1.374	-	-	0.1	0.098	0.135
	N77	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 5	DSI 5	Reduced	633334	3500.01	16.82	18.20	1.374	-	-	-0.01	0.151	0.207
	N77	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 5	DSI 5	Reduced	633334	3500.01	16.82	18.20	1.374	-	-	0.07	0.065	0.089
	N77	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 5	DSI 5	Reduced	633334	3500.01	16.82	18.20	1.374	-	-	-0.09	0.237	0.326
	N77	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 5	DSI 5	Reduced	656000	3840	16.55	18.20	1.462	-	-	-0.09	0.086	0.126
	N77	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 5	DSI 5	Reduced	656000	3840	16.55	18.20	1.462	-	-	0.13	0.115	0.168
	N77	100M	BPSK	1	1	DFT-30	Right Side	10mm	Ant 5	DSI 5	Reduced	656000	3840	16.55	18.20	1.462	-	-	0.1	0.054	0.079
	N77	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 5	DSI 5	Reduced	656000	3840	16.55	18.20	1.462	-	-	-0.05	0.179	0.262
	N77	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 5	DSI 5	Reduced	656000	3840	16.46	18.20	1.493	-	-	0.06	0.084	0.125
	N77	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 5	DSI 5	Reduced	656000	3840	16.46	18.20	1.493	-	-	0.14	0.109	0.163
	N77	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 5	DSI 5	Reduced	656000	3840	16.46	18.20	1.493	-	-	0.13	0.045	0.067
	N77	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 5	DSI 5	Reduced	656000	3840	16.46	18.20	1.493	-	-	-0.05	0.161	0.240
	N77	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 6	DSI 5	Reduced	633334	3500.01	15.57	16.50	1.239	-	-	-0.1	0.095	0.118
	N77	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 6	DSI 5	Reduced	633334	3500.01	15.57	16.50	1.239	-	-	0.14	0.082	0.102
	N77	100M	BPSK	1	1	DFT-30	Right Side	10mm	Ant 6	DSI 5	Reduced	633334	3500.01	15.57	16.50	1.239	-	-	0.07	0.180	0.223
	N77	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 6	DSI 5	Reduced	633334	3500.01	15.57	16.50	1.239	-	-	0.07	0.051	0.063
	N77	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 6	DSI 5	Reduced	633334	3500.01	15.51	16.50	1.256	-	-	0.08	0.105	0.132
	N77	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 6	DSI 5	Reduced	633334	3500.01	15.51	16.50	1.256	-	-	0.11	0.086	0.108
	N77	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 6	DSI 5	Reduced	633334	3500.01	15.51	16.50	1.256	-	-	-0.01	0.181	0.227
	N77	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 6	DSI 5	Reduced	633334	3500.01	15.51	16.50	1.256	-	-	0.01	0.052	0.065
	N77	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 6	DSI 5	Reduced	656000	3840	15.19	16.50	1.352	-	-	0.16	0.167	0.226
	N77	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 6	DSI 5	Reduced	656000	3840	15.19	16.50	1.352	-	-	0.06	0.195	0.264
	N77	100M	BPSK	1	1	DFT-30	Right Side	10mm	Ant 6	DSI 5	Reduced	656000	3840	15.19	16.50	1.352	-	-	0.12	0.402	0.544
	N77	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 6	DSI 5	Reduced	656000	3840	15.19	16.50	1.352	-	-	0.02	0.078	0.105
	N77	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 6	DSI 5	Reduced	656000	3840	15.09	16.50	1.384	-	-	-0.04	0.147	0.203
	N77	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 6	DSI 5	Reduced	656000	3840	15.09	16.50	1.384	-	-	0.08	0.168	0.232
	N77	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 6	DSI 5	Reduced	656000	3840	15.09	16.50	1.384	-	-	0.02	0.295	0.408
	N77	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 6	DSI 5	Reduced	656000	3840	15.09	16.50	1.384	-	-	0.08	0.067	0.093
	N77	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 7	DSI 5	Reduced	633334	3500.01	15.82	16.50	1.169	-	-	-0.11	0.032	0.037
	N77	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 7	DSI 5	Reduced	633334	3500.01	15.82	16.50	1.169	-	-	-0.01	0.305	0.357
	N77	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 7	DSI 5	Reduced	633334	3500.01	15.82	16.50	1.169	-	-	-0.08	0.122	0.143
	N77	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 7	DSI 5	Reduced	633334	3500.01	15.82	16.50	1.169	-	-	0.07	0.051	0.060
	N77	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 7	DSI 5	Reduced	633334	3500.01	15.80	16.50	1.175	-	-	-0.13	0.034	0.040
	N77	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 7	DSI 5	Reduced	633334	3500.01	15.80	16.50	1.175	-	-	-0.06	0.308	0.362
	N77	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 7	DSI 5	Reduced	633334	3500.01	15.80	16.50	1.175	-	-	0.04	0.134	0.157
	N77	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 7	DSI 5	Reduced	633334	3500.01	15.80	16.50	1.175	-	-	0.13	0.066	0.078
	N77	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 7	DSI 5	Reduced	656000	3840	15.03	16.50	1.403	-	-	0.07	0.071	0.100
	N77	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 7	DSI 5	Reduced	656000	3840	15.03	16.50	1.403	-	-	0.1	0.599	0.840
	N77	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 7	DSI 5	Reduced	656000	3840	15.03	16.50	1.403	-	-	0	0.139	0.195
	N77	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 7	DSI 5	Reduced	656000	3840	15.03	16.50	1.403	-	-	0.07	0.102	0.143
	N77	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 7	DSI 5	Reduced	656000	3840	15.02	16.50	1.406	-	-	0.12	0.079	0.111
56	N77	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 7	DSI 5	Reduced	656000	3840	15.02	16.50	1.406	-	-	0.04	0.663	**0.932**
	N77	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 7	DSI 5	Reduced	656000	3840	15.02	16.50	1.406	-	-	-0.09	0.148	0.208
	N77	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 7	DSI 5	Reduced	656000	3840	15.02	16.50	1.406	-	-	0.07	0.118	0.166
	N77	100M	BPSK	270	0	DFT-30	Back	10mm	Ant 7	DSI 5	Reduced	656000	3840	15.01	16.50	1.409	-	-	0.04	0.602	0.848
	N78	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 4	DSI 5	Reduced	633334	3500.01	19.20	21.00	1.514	-	-	-0.14	0.102	0.154
	N78	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 4	DSI 5	Reduced	633334	3500.01	19.20	21.00	1.514	-	-	0.04	0.137	0.207
	N78	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 4	DSI 5	Reduced	633334	3500.01	19.20	21.00	1.514	-	-	-0.11	0.241	0.365
	N78	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 4	DSI 5	Reduced	633334	3500.01	19.20	21.00	1.514	-	-	-0.03	0.051	0.077
	N78	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 4	DSI 5	Reduced	633334	3500.01	19.02	21.00	1.578	-	-	0.01	0.116	0.183

	N78	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 4	DSI 5	Reduced	633334	3500.01	19.02	21.00	1.578	-	-	-0.02	0.153	0.241
	N78	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 4	DSI 5	Reduced	633334	3500.01	19.02	21.00	1.578	-	-	-0.1	0.271	0.428
	N78	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 4	DSI 5	Reduced	633334	3500.01	19.02	21.00	1.578	-	-	-0.06	0.055	0.087
	N78	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 4	DSI 5	Reduced	650000	3750	19.08	21.00	1.556	-	-	-0.01	0.077	0.120
	N78	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 4	DSI 5	Reduced	650000	3750	19.08	21.00	1.556	-	-	-0.15	0.102	0.159
	N78	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 4	DSI 5	Reduced	650000	3750	19.08	21.00	1.556	-	-	0.03	0.220	0.342
	N78	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 4	DSI 5	Reduced	650000	3750	19.08	21.00	1.556	-	-	-0.09	0.039	0.061
	N78	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 4	DSI 5	Reduced	650000	3750	19.05	21.00	1.567	-	-	0.04	0.074	0.116
	N78	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 4	DSI 5	Reduced	650000	3750	19.05	21.00	1.567	-	-	-0.06	0.090	0.141
	N78	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 4	DSI 5	Reduced	650000	3750	19.05	21.00	1.567	-	-	0.06	0.172	0.269
	N78	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 4	DSI 5	Reduced	650000	3750	19.05	21.00	1.567	-	-	-0.06	0.037	0.058
	N78	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 5	DSI 5	Reduced	633334	3500.01	16.64	18.00	1.368	-	-	0.12	0.082	0.112
	N78	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 5	DSI 5	Reduced	633334	3500.01	16.64	18.00	1.368	-	-	-0.05	0.130	0.178
	N78	100M	BPSK	1	1	DFT-30	Right Side	10mm	Ant 5	DSI 5	Reduced	633334	3500.01	16.64	18.00	1.368	-	-	0.02	0.036	0.049
	N78	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 5	DSI 5	Reduced	633334	3500.01	16.64	18.00	1.368	-	-	0.06	0.185	0.253
	N78	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 5	DSI 5	Reduced	633334	3500.01	16.54	18.00	1.400	-	-	-0.12	0.083	0.116
	N78	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 5	DSI 5	Reduced	633334	3500.01	16.54	18.00	1.400	-	-	-0.09	0.137	0.192
	N78	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 5	DSI 5	Reduced	633334	3500.01	16.54	18.00	1.400	-	-	-0.13	0.038	0.053
	N78	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 5	DSI 5	Reduced	633334	3500.01	16.54	18.00	1.400	-	-	0.16	0.187	0.262
	N78	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 5	DSI 5	Reduced	650000	3750	16.65	18.00	1.365	-	-	0.05	0.080	0.109
	N78	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 5	DSI 5	Reduced	650000	3750	16.65	18.00	1.365	-	-	-0.01	0.147	0.201
	N78	100M	BPSK	1	1	DFT-30	Right Side	10mm	Ant 5	DSI 5	Reduced	650000	3750	16.65	18.00	1.365	-	-	0.04	0.040	0.055
	N78	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 5	DSI 5	Reduced	650000	3750	16.65	18.00	1.365	-	-	-0.04	0.161	0.220
	N78	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 5	DSI 5	Reduced	650000	3750	16.63	18.00	1.371	-	-	-0.05	0.088	0.121
	N78	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 5	DSI 5	Reduced	650000	3750	16.63	18.00	1.371	-	-	0.14	0.155	0.212
	N78	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 5	DSI 5	Reduced	650000	3750	16.63	18.00	1.371	-	-	-0.03	0.043	0.059
	N78	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 5	DSI 5	Reduced	650000	3750	16.63	18.00	1.371	-	-	-0.15	0.164	0.225
	N78	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 6	DSI 5	Reduced	633334	3500.01	15.54	16.50	1.247	-	-	-0.05	0.078	0.097
	N78	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 6	DSI 5	Reduced	633334	3500.01	15.54	16.50	1.247	-	-	-0.01	0.071	0.089
	N78	100M	BPSK	1	1	DFT-30	Right Side	10mm	Ant 6	DSI 5	Reduced	633334	3500.01	15.54	16.50	1.247	-	-	-0.01	0.169	0.211
	N78	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 6	DSI 5	Reduced	633334	3500.01	15.54	16.50	1.247	-	-	-0.16	0.046	0.057
	N78	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 6	DSI 5	Reduced	633334	3500.01	15.43	16.50	1.279	-	-	-0.14	0.084	0.107
	N78	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 6	DSI 5	Reduced	633334	3500.01	15.43	16.50	1.279	-	-	-0.03	0.080	0.102
	N78	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 6	DSI 5	Reduced	633334	3500.01	15.43	16.50	1.279	-	-	0.16	0.274	0.351
	N78	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 6	DSI 5	Reduced	633334	3500.01	15.43	16.50	1.279	-	-	0.07	0.048	0.061
	N78	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 6	DSI 5	Reduced	650000	3750	15.55	16.50	1.245	-	-	-0.03	0.163	0.203
	N78	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 6	DSI 5	Reduced	650000	3750	15.55	16.50	1.245	-	-	0.1	0.164	0.204
	N78	100M	BPSK	1	1	DFT-30	Right Side	10mm	Ant 6	DSI 5	Reduced	650000	3750	15.55	16.50	1.245	-	-	-0.06	0.309	0.385
	N78	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 6	DSI 5	Reduced	650000	3750	15.55	16.50	1.245	-	-	0.08	0.070	0.087
	N78	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 6	DSI 5	Reduced	650000	3750	15.50	16.50	1.259	-	-	-0.07	0.164	0.206
	N78	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 6	DSI 5	Reduced	650000	3750	15.50	16.50	1.259	-	-	0.13	0.165	0.208
	N78	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 6	DSI 5	Reduced	650000	3750	15.50	16.50	1.259	-	-	-0.02	0.340	0.428
	N78	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 6	DSI 5	Reduced	650000	3750	15.50	16.50	1.259	-	-	-0.13	0.070	0.088
	N78	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 7	DSI 5	Reduced	633334	3500.01	16.60	18.00	1.380	-	-	0.1	0.020	0.028
	N78	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 7	DSI 5	Reduced	633334	3500.01	16.60	18.00	1.380	-	-	-0.1	0.312	0.431
	N78	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 7	DSI 5	Reduced	633334	3500.01	16.60	18.00	1.380	-	-	0.03	0.133	0.184
	N78	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 7	DSI 5	Reduced	633334	3500.01	16.60	18.00	1.380	-	-	-0.07	0.025	0.035
	N78	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 7	DSI 5	Reduced	633334	3500.01	16.56	18.00	1.393	-	-	0.08	0.023	0.032
	N78	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 7	DSI 5	Reduced	633334	3500.01	16.56	18.00	1.393	-	-	0.13	0.322	0.449
	N78	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 7	DSI 5	Reduced	633334	3500.01	16.56	18.00	1.393	-	-	-0.01	0.138	0.192
	N78	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 7	DSI 5	Reduced	633334	3500.01	16.56	18.00	1.393	-	-	-0.1	0.028	0.039
	N78	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 7	DSI 5	Reduced	650000	3750	16.31	18.00	1.476	-	-	-0.07	0.021	0.031
	N78	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 7	DSI 5	Reduced	650000	3750	16.31	18.00	1.476	-	-	0.03	0.481	0.710
	N78	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 7	DSI 5	Reduced	650000	3750	16.31	18.00	1.476	-	-	-0.14	0.190	0.280
	N78	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 7	DSI 5	Reduced	650000	3750	16.31	18.00	1.476	-	-	0.1	0.028	0.041
	N78	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 7	DSI 5	Reduced	650000	3750	16.23	18.00	1.503	-	-	0.14	0.027	0.041

57	N78	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 7	DSI 5	Reduced	650000	3750	16.23	18.00	1.503	-	-	-0.06	0.673	**1.012**
	N78	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 7	DSI 5	Reduced	650000	3750	16.23	18.00	1.503	-	-	0.12	0.243	0.365
	N78	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 7	DSI 5	Reduced	650000	3750	16.23	18.00	1.503	-	-	0.03	0.034	0.051
	N78	100M	BPSK	270	0	DFT-30	Back	10mm	Ant 7	DSI 5	Reduced	650000	3750	16.15	18.00	1.531	-	-	-0.1	0.528	0.808

DL CA / Inter-band CA & EN-DC LTE Main PA

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	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)
750MHz																					
	LTE Band 12_Main PA	10M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 5	Reduced	23095	707.5	23.62	25.00	1.374	-	-	0.09	0.169	0.232
	LTE Band 12_Main PA	10M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 5	Reduced	23095	707.5	23.62	25.00	1.374	-	-	-0.08	0.293	0.403
	LTE Band 12_Main PA	10M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	23095	707.5	23.62	25.00	1.374	-	-	-0.15	0.267	0.367
	LTE Band 12_Main PA	10M	QPSK	1	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	23095	707.5	23.62	25.00	1.374	-	-	-0.19	0.183	0.251
	LTE Band 12_Main PA	10M	QPSK	25	0	-	Front	10mm	Ant 1	DSI 5	Reduced	23095	707.5	23.18	24.50	1.355	-	-	-0.09	0.141	0.191
	LTE Band 12_Main PA	10M	QPSK	25	0	-	Back	10mm	Ant 1	DSI 5	Reduced	23095	707.5	23.18	24.50	1.355	-	-	-0.13	0.230	0.312
	LTE Band 12_Main PA	10M	QPSK	25	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	23095	707.5	23.18	24.50	1.355	-	-	-0.17	0.221	0.299
	LTE Band 12_Main PA	10M	QPSK	25	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	23095	707.5	23.18	24.50	1.355	-	-	-0.04	0.152	0.206
	LTE Band 12_Main PA	10M	QPSK	1	0	-	Front	10mm	Ant 0	DSI 5	Full	23095	707.5	24.98	25.50	1.127	-	-	-0.19	0.279	0.314
	LTE Band 12_Main PA	10M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 5	Full	23095	707.5	24.98	25.50	1.127	-	-	-0.07	0.291	0.328
	LTE Band 12_Main PA	10M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSI 5	Full	23095	707.5	24.98	25.50	1.127	-	-	-0.02	0.155	0.175
	LTE Band 12_Main PA	10M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSI 5	Full	23095	707.5	24.98	25.50	1.127	-	-	-0.17	0.107	0.121
	LTE Band 12_Main PA	10M	QPSK	25	0	-	Front	10mm	Ant 0	DSI 5	Full	23095	707.5	23.97	24.50	1.130	-	-	-0.14	0.237	0.268
	LTE Band 12_Main PA	10M	QPSK	25	0	-	Back	10mm	Ant 0	DSI 5	Full	23095	707.5	23.97	24.50	1.130	-	-	-0.01	0.242	0.273
	LTE Band 12_Main PA	10M	QPSK	25	0	-	Right Side	10mm	Ant 0	DSI 5	Full	23095	707.5	23.97	24.50	1.130	-	-	-0.16	0.133	0.150
	LTE Band 12_Main PA	10M	QPSK	25	0	-	Bottom Side	10mm	Ant 0	DSI 5	Full	23095	707.5	23.97	24.50	1.130	-	-	-0.06	0.084	0.095
835MHz																					
	LTE Band 5_Main PA	10M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 5	Reduced	20525	836.5	21.76	23.50	1.493	-	-	0.07	0.153	0.228
	LTE Band 5_Main PA	10M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 5	Reduced	20525	836.5	21.76	23.50	1.493	-	-	0.13	0.240	0.358
	LTE Band 5_Main PA	10M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	20525	836.5	21.76	23.50	1.493	-	-	-0.09	0.136	0.203
	LTE Band 5_Main PA	10M	QPSK	1	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	20525	836.5	21.76	23.50	1.493	-	-	-0.07	0.163	0.243
	LTE Band 5_Main PA	10M	QPSK	25	0	-	Front	10mm	Ant 1	DSI 5	Reduced	20525	836.5	21.71	23.50	1.510	-	-	-0.09	0.154	0.233
	LTE Band 5_Main PA	10M	QPSK	25	0	-	Back	10mm	Ant 1	DSI 5	Reduced	20525	836.5	21.71	23.50	1.510	-	-	0.01	0.281	0.424
	LTE Band 5_Main PA	10M	QPSK	25	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	20525	836.5	21.71	23.50	1.510	-	-	0.05	0.141	0.213
	LTE Band 5_Main PA	10M	QPSK	25	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	20525	836.5	21.71	23.50	1.510	-	-	0.01	0.168	0.254
	LTE Band 5_Main PA	10M	QPSK	1	0	-	Front	10mm	Ant 0	DSI 5	Full	20525	836.5	24.47	25.50	1.268	-	-	-0.02	0.394	0.499
	LTE Band 5_Main PA	10M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 5	Full	20525	836.5	24.47	25.50	1.268	-	-	-0.09	0.405	0.513
	LTE Band 5_Main PA	10M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSI 5	Full	20525	836.5	24.47	25.50	1.268	-	-	-0.08	0.186	0.236
	LTE Band 5_Main PA	10M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSI 5	Full	20525	836.5	24.47	25.50	1.268	-	-	-0.01	0.195	0.247
	LTE Band 5_Main PA	10M	QPSK	25	0	-	Front	10mm	Ant 0	DSI 5	Full	20525	836.5	23.43	24.50	1.279	-	-	-0.02	0.321	0.411
	LTE Band 5_Main PA	10M	QPSK	25	0	-	Back	10mm	Ant 0	DSI 5	Full	20525	836.5	23.43	24.50	1.279	-	-	0.09	0.346	0.443
	LTE Band 5_Main PA	10M	QPSK	25	0	-	Right Side	10mm	Ant 0	DSI 5	Full	20525	836.5	23.43	24.50	1.279	-	-	0.08	0.148	0.189
	LTE Band 5_Main PA	10M	QPSK	25	0	-	Bottom Side	10mm	Ant 0	DSI 5	Full	20525	836.5	23.43	24.50	1.279	-	-	-0.08	0.172	0.220
	N5_Main PA	20M	BPSK	1	1	DFT-15	Front	10mm	Ant 1	DSI 5	Reduced	167300	836.5	22.72	23.50	1.197	-	-	0.08	0.166	0.199
	N5_Main PA	20M	BPSK	1	1	DFT-15	Back	10mm	Ant 1	DSI 5	Reduced	167300	836.5	22.72	23.50	1.197	-	-	-0.03	0.278	0.333
	N5_Main PA	20M	BPSK	1	1	DFT-15	Left Side	10mm	Ant 1	DSI 5	Reduced	167300	836.5	22.72	23.50	1.197	-	-	0.13	0.150	0.180
	N5_Main PA	20M	BPSK	1	1	DFT-15	Top Side	10mm	Ant 1	DSI 5	Reduced	167300	836.5	22.72	23.50	1.197	-	-	0.02	0.216	0.258
	N5_Main PA	20M	BPSK	50	28	DFT-15	Front	10mm	Ant 1	DSI 5	Reduced	167300	836.5	22.68	23.50	1.208	-	-	-0.01	0.177	0.214
	N5_Main PA	20M	BPSK	50	28	DFT-15	Back	10mm	Ant 1	DSI 5	Reduced	167300	836.5	22.68	23.50	1.208	-	-	0.08	0.327	0.395
	N5_Main PA	20M	BPSK	50	28	DFT-15	Left Side	10mm	Ant 1	DSI 5	Reduced	167300	836.5	22.68	23.50	1.208	-	-	-0.12	0.190	0.229
	N5_Main PA	20M	BPSK	50	28	DFT-15	Top Side	10mm	Ant 1	DSI 5	Reduced	167300	836.5	22.68	23.50	1.208	-	-	-0.15	0.223	0.269
	N5_Main PA	20M	BPSK	1	1	DFT-15	Front	10mm	Ant 0	DSI 5	Full	167300	836.5	24.58	25.50	1.236	-	-	-0.16	0.362	0.447
	N5_Main PA	20M	BPSK	1	1	DFT-15	Back	10mm	Ant 0	DSI 5	Full	167300	836.5	24.58	25.50	1.236	-	-	-0.16	0.390	0.482
	N5_Main PA	20M	BPSK	1	1	DFT-15	Right Side	10mm	Ant 0	DSI 5	Full	167300	836.5	24.58	25.50	1.236	-	-	-0.01	0.191	0.236
	N5_Main PA	20M	BPSK	1	1	DFT-15	Bottom Side	10mm	Ant 0	DSI 5	Full	167300	836.5	24.58	25.50	1.236	-	-	-0.02	0.211	0.261
	N5_Main PA	20M	BPSK	50	28	DFT-15	Front	10mm	Ant 0	DSI 5	Full	167300	836.5	24.50	25.50	1.259	-	-	-0.13	0.370	0.466
	N5_Main PA	20M	BPSK	50	28	DFT-15	Back	10mm	Ant 0	DSI 5	Full	167300	836.5	24.50	25.50	1.259	-	-	-0.11	0.397	0.500

	N5_Main PA	20M	BPSK	50	28	DFT-15	Right Side	10mm	Ant 0	DSI 5	Full	167300	836.5	24.50	25.50	1.259	-	-	0.07	0.212	0.267
	N5_Main PA	20M	BPSK	50	28	DFT-15	Bottom Side	10mm	Ant 0	DSI 5	Full	167300	836.5	24.50	25.50	1.259	-	-	-0.06	0.222	0.279
1750MHz																					
	LTE Band 4_Main PA	20M	QPSK	1	0	-	Front	10mm	Ant 3	DSI 5	Reduced	20175	1732.5	19.69	21.00	1.352	-	-	-0.03	0.161	0.218
	LTE Band 4_Main PA	20M	QPSK	1	0	-	Back	10mm	Ant 3	DSI 5	Reduced	20175	1732.5	19.69	21.00	1.352	-	-	0.01	0.168	0.227
	LTE Band 4_Main PA	20M	QPSK	1	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	20175	1732.5	19.69	21.00	1.352	-	-	0.04	0.359	0.485
	LTE Band 4_Main PA	20M	QPSK	1	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	20175	1732.5	19.69	21.00	1.352	-	-	-0.03	0.020	0.027
	LTE Band 4_Main PA	20M	QPSK	50	0	-	Front	10mm	Ant 3	DSI 5	Reduced	20175	1732.5	19.65	21.00	1.365	-	-	-0.14	0.172	0.235
	LTE Band 4_Main PA	20M	QPSK	50	0	-	Back	10mm	Ant 3	DSI 5	Reduced	20175	1732.5	19.65	21.00	1.365	-	-	0.07	0.177	0.242
	LTE Band 4_Main PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	20175	1732.5	19.65	21.00	1.365	-	-	0.01	0.389	0.531
	LTE Band 4_Main PA	20M	QPSK	50	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	20175	1732.5	19.65	21.00	1.365	-	-	0.08	0.027	0.037
	LTE Band 4_Main PA	20M	QPSK	1	0	-	Front	10mm	Ant 2	DSI 5	Reduced	20175	1732.5	19.61	20.50	1.227	-	-	0.07	0.273	0.335
	LTE Band 4_Main PA	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 5	Reduced	20175	1732.5	19.61	20.50	1.227	-	-	0.12	0.354	0.435
	LTE Band 4_Main PA	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	20175	1732.5	19.61	20.50	1.227	-	-	-0.15	0.097	0.119
	LTE Band 4_Main PA	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	20175	1732.5	19.61	20.50	1.227	-	-	-0.07	0.433	0.531
	LTE Band 4_Main PA	20M	QPSK	50	0	-	Front	10mm	Ant 2	DSI 5	Reduced	20175	1732.5	19.59	20.50	1.233	-	-	0.01	0.265	0.327
	LTE Band 4_Main PA	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 5	Reduced	20175	1732.5	19.59	20.50	1.233	-	-	0.15	0.346	0.427
	LTE Band 4_Main PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	20175	1732.5	19.59	20.50	1.233	-	-	0.15	0.095	0.117
	LTE Band 4_Main PA	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	20175	1732.5	19.59	20.50	1.233	-	-	-0.11	0.426	0.525
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 5	Reduced	132322	1745	16.26	17.50	1.330	-	-	-0.12	0.100	0.133
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 5	Reduced	132322	1745	16.26	17.50	1.330	-	-	0.07	0.153	0.204
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	132322	1745	16.26	17.50	1.330	-	-	-0.03	0.097	0.129
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	132322	1745	16.26	17.50	1.330	-	-	-0.16	0.210	0.279
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Front	10mm	Ant 1	DSI 5	Reduced	132322	1745	16.21	17.50	1.346	-	-	-0.14	0.111	0.149
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI 5	Reduced	132322	1745	16.21	17.50	1.346	-	-	-0.13	0.156	0.210
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	132322	1745	16.21	17.50	1.346	-	-	-0.16	0.099	0.133
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	132322	1745	16.21	17.50	1.346	-	-	-0.05	0.212	0.285
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Front	10mm	Ant 0	DSI 5	Full	132322	1745	21.58	23.00	1.387	-	-	0.13	0.208	0.288
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 5	Full	132322	1745	21.58	23.00	1.387	-	-	0.08	0.305	0.423
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSI 5	Full	132322	1745	21.58	23.00	1.387	-	-	0.05	0.221	0.306
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSI 5	Full	132322	1745	21.58	23.00	1.387	-	-	-0.05	0.079	0.110
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Front	10mm	Ant 0	DSI 5	Full	132322	1745	20.60	22.00	1.380	-	-	-0.15	0.164	0.226
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI 5	Full	132322	1745	20.60	22.00	1.380	-	-	0.01	0.244	0.337
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Right Side	10mm	Ant 0	DSI 5	Full	132322	1745	20.60	22.00	1.380	-	-	0.13	0.187	0.258
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 0	DSI 5	Full	132322	1745	20.60	22.00	1.380	-	-	0.1	0.060	0.083
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Front	10mm	Ant 3	DSI 5	Reduced	132322	1745	18.57	20.00	1.390	-	-	0.05	0.138	0.192
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Back	10mm	Ant 3	DSI 5	Reduced	132322	1745	18.57	20.00	1.390	-	-	0.12	0.144	0.200
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	132322	1745	18.57	20.00	1.390	-	-	-0.08	0.310	0.431
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	132322	1745	18.57	20.00	1.390	-	-	-0.04	0.030	0.042
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Front	10mm	Ant 3	DSI 5	Reduced	132322	1745	18.35	20.00	1.462	-	-	-0.12	0.121	0.177
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Back	10mm	Ant 3	DSI 5	Reduced	132322	1745	18.35	20.00	1.462	-	-	-0.01	0.140	0.205
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	132322	1745	18.35	20.00	1.462	-	-	-0.12	0.290	0.424
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	132322	1745	18.35	20.00	1.462	-	-	-0.16	0.025	0.037
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Front	10mm	Ant 2	DSI 5	Reduced	132322	1745	19.08	20.00	1.236	-	-	-0.02	0.225	0.278
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 5	Reduced	132322	1745	19.08	20.00	1.236	-	-	-0.04	0.295	0.365
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	132322	1745	19.08	20.00	1.236	-	-	0.15	0.101	0.125
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	132322	1745	19.08	20.00	1.236	-	-	-0.12	0.423	0.523
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Front	10mm	Ant 2	DSI 5	Reduced	132322	1745	19.05	20.00	1.245	-	-	0.04	0.219	0.273
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 5	Reduced	132322	1745	19.05	20.00	1.245	-	-	0.12	0.291	0.362
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	132322	1745	19.05	20.00	1.245	-	-	-0.1	0.100	0.124
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	132322	1745	19.05	20.00	1.245	-	-	-0.04	0.405	0.504
	N66_Main PA	40M	BPSK	1	1	DFT-15	Front	10mm	Ant 3	DSI 5	Reduced	349000	1745	19.10	20.50	1.380	-	-	-0.06	0.147	0.203
	N66_Main PA	40M	BPSK	1	1	DFT-15	Back	10mm	Ant 3	DSI 5	Reduced	349000	1745	19.10	20.50	1.380	-	-	0.1	0.150	0.207
	N66_Main PA	40M	BPSK	1	1	DFT-15	Left Side	10mm	Ant 3	DSI 5	Reduced	349000	1745	19.10	20.50	1.380	-	-	0.09	0.306	0.422
	N66_Main PA	40M	BPSK	1	1	DFT-15	Top Side	10mm	Ant 3	DSI 5	Reduced	349000	1745	19.10	20.50	1.380	-	-	-0.05	0.031	0.043
	N66_Main PA	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 3	DSI 5	Reduced	349000	1745	19.03	20.50	1.403	-	-	-0.1	0.156	0.219

	N66_Main PA	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 3	DSI 5	Reduced	349000	1745	19.03	20.50	1.403	-	-	-0.16	0.162	0.227
	N66_Main PA	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 3	DSI 5	Reduced	349000	1745	19.03	20.50	1.403	-	-	0.05	0.330	0.463
	N66_Main PA	40M	BPSK	108	54	DFT-15	Top Side	10mm	Ant 3	DSI 5	Reduced	349000	1745	19.03	20.50	1.403	-	-	-0.02	0.041	0.058
	N66_Main PA	40M	BPSK	1	1	DFT-15	Front	10mm	Ant 2	DSI 5	Reduced	349000	1745	19.97	20.50	1.130	-	-	-0.14	0.225	0.254
	N66_Main PA	40M	BPSK	1	1	DFT-15	Back	10mm	Ant 2	DSI 5	Reduced	349000	1745	19.97	20.50	1.130	-	-	-0.16	0.298	0.337
	N66_Main PA	40M	BPSK	1	1	DFT-15	Left Side	10mm	Ant 2	DSI 5	Reduced	349000	1745	19.97	20.50	1.130	-	-	-0.08	0.115	0.130
	N66_Main PA	40M	BPSK	1	1	DFT-15	Bottom Side	10mm	Ant 2	DSI 5	Reduced	349000	1745	19.97	20.50	1.130	-	-	0.07	0.456	0.515
	N66_Main PA	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 2	DSI 5	Reduced	349000	1745	19.92	20.50	1.143	-	-	0.15	0.266	0.304
	N66_Main PA	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 2	DSI 5	Reduced	349000	1745	19.92	20.50	1.143	-	-	0.01	0.338	0.386
	N66_Main PA	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 2	DSI 5	Reduced	349000	1745	19.92	20.50	1.143	-	-	0.16	0.122	0.139
	N66_Main PA	40M	BPSK	108	54	DFT-15	Bottom Side	10mm	Ant 2	DSI 5	Reduced	349000	1745	19.92	20.50	1.143	-	-	-0.09	0.462	0.528
1900MHz																					
	LTE Band 2_Main PA	20M	QPSK	1	0	-	Front	10mm	Ant 3	DSI 5	Reduced	18900	1880	19.78	21.00	1.324	-	-	-0.02	0.145	0.192
	LTE Band 2_Main PA	20M	QPSK	1	0	-	Back	10mm	Ant 3	DSI 5	Reduced	18900	1880	19.78	21.00	1.324	-	-	-0.15	0.165	0.219
	LTE Band 2_Main PA	20M	QPSK	1	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	18900	1880	19.78	21.00	1.324	-	-	-0.08	0.311	0.412
	LTE Band 2_Main PA	20M	QPSK	1	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	18900	1880	19.78	21.00	1.324	-	-	0.09	0.023	0.030
	LTE Band 2_Main PA	20M	QPSK	50	0	-	Front	10mm	Ant 3	DSI 5	Reduced	18900	1880	19.57	21.00	1.390	-	-	-0.15	0.149	0.207
	LTE Band 2_Main PA	20M	QPSK	50	0	-	Back	10mm	Ant 3	DSI 5	Reduced	18900	1880	19.57	21.00	1.390	-	-	0.11	0.172	0.239
	LTE Band 2_Main PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	18900	1880	19.57	21.00	1.390	-	-	0.06	0.319	0.443
	LTE Band 2_Main PA	20M	QPSK	50	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	18900	1880	19.57	21.00	1.390	-	-	0.05	0.026	0.036
	LTE Band 2_Main PA	20M	QPSK	1	0	-	Front	10mm	Ant 2	DSI 5	Reduced	18900	1880	21.49	22.00	1.125	-	-	-0.02	0.260	0.292
	LTE Band 2_Main PA	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 5	Reduced	18900	1880	21.49	22.00	1.125	-	-	0.03	0.337	0.379
	LTE Band 2_Main PA	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	18900	1880	21.49	22.00	1.125	-	-	0.02	0.100	0.112
	LTE Band 2_Main PA	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	18900	1880	21.49	22.00	1.125	-	-	0.07	0.483	0.543
	LTE Band 2_Main PA	20M	QPSK	50	0	-	Front	10mm	Ant 2	DSI 5	Reduced	18900	1880	21.35	22.00	1.161	-	-	-0.16	0.234	0.272
	LTE Band 2_Main PA	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 5	Reduced	18900	1880	21.35	22.00	1.161	-	-	0.16	0.305	0.354
	LTE Band 2_Main PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	18900	1880	21.35	22.00	1.161	-	-	-0.12	0.091	0.106
	LTE Band 2_Main PA	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	18900	1880	21.35	22.00	1.161	-	-	-0.15	0.456	0.530
2600MHz																					
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 5	Reduced	21100	2535	15.89	17.00	1.291	-	-	0.02	0.085	0.110
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 5	Reduced	21100	2535	15.89	17.00	1.291	-	-	0.13	0.114	0.147
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	21100	2535	15.89	17.00	1.291	-	-	-0.15	0.131	0.169
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	21100	2535	15.89	17.00	1.291	-	-	-0.15	0.137	0.177
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Front	10mm	Ant 1	DSI 5	Reduced	21100	2535	15.85	17.00	1.303	-	-	0.02	0.089	0.116
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI 5	Reduced	21100	2535	15.85	17.00	1.303	-	-	-0.02	0.116	0.151
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	21100	2535	15.85	17.00	1.303	-	-	0.03	0.133	0.173
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	21100	2535	15.85	17.00	1.303	-	-	0.1	0.141	0.184
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Front	10mm	Ant 0	DSI 5	Reduced	21100	2535	21.37	22.50	1.297	-	-	0.09	0.213	0.276
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 5	Reduced	21100	2535	21.37	22.50	1.297	-	-	-0.07	0.209	0.271
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSI 5	Reduced	21100	2535	21.37	22.50	1.297	-	-	0.12	0.126	0.163
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSI 5	Reduced	21100	2535	21.37	22.50	1.297	-	-	-0.07	0.219	0.284
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Front	10mm	Ant 0	DSI 5	Reduced	21100	2535	20.84	22.00	1.306	-	-	-0.15	0.203	0.265
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI 5	Reduced	21100	2535	20.84	22.00	1.306	-	-	0.01	0.193	0.252
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Right Side	10mm	Ant 0	DSI 5	Reduced	21100	2535	20.84	22.00	1.306	-	-	-0.14	0.117	0.153
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 0	DSI 5	Reduced	21100	2535	20.84	22.00	1.306	-	-	0.13	0.207	0.270
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Front	10mm	Ant 3	DSI 5	Reduced	21100	2535	20.27	21.20	1.239	-	-	-0.1	0.212	0.263
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Back	10mm	Ant 3	DSI 5	Reduced	21100	2535	20.27	21.20	1.239	-	-	0.02	0.186	0.230
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	21100	2535	20.27	21.20	1.239	-	-	0.11	0.239	0.296
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	21100	2535	20.27	21.20	1.239	-	-	0.11	0.040	0.050
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Front	10mm	Ant 3	DSI 5	Reduced	21100	2535	20.00	21.20	1.318	-	-	-0.15	0.202	0.266
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Back	10mm	Ant 3	DSI 5	Reduced	21100	2535	20.00	21.20	1.318	-	-	-0.09	0.181	0.239
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	21100	2535	20.00	21.20	1.318	-	-	-0.08	0.228	0.301
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	21100	2535	20.00	21.20	1.318	-	-	-0.12	0.038	0.050
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Front	10mm	Ant 2	DSI 5	Reduced	21100	2535	20.27	21.00	1.183	-	-	0.04	0.331	0.392
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 5	Reduced	21100	2535	20.27	21.00	1.183	-	-	0.04	0.358	0.424
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	21100	2535	20.27	21.00	1.183	-	-	-0.05	0.161	0.190

	LTE Band 7_Main PA	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	21100	2535	20.27	21.00	1.183	-	-	0.16	0.458	0.542
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Front	10mm	Ant 2	DSI 5	Reduced	21100	2535	20.19	21.00	1.205	-	-	-0.13	0.326	0.393
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 5	Reduced	21100	2535	20.19	21.00	1.205	-	-	0.13	0.355	0.428
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	21100	2535	20.19	21.00	1.205	-	-	0.03	0.156	0.188
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	21100	2535	20.19	21.00	1.205	-	-	-0.02	0.442	0.533
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 5	Reduced	38000	2595	17.10	18.00	1.230	62.9	1.006	0.16	0.055	0.068
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 5	Reduced	38000	2595	17.10	18.00	1.230	62.9	1.006	0.06	0.057	0.071
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	38000	2595	17.10	18.00	1.230	62.9	1.006	0.14	0.064	0.079
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	38000	2595	17.10	18.00	1.230	62.9	1.006	0.11	0.091	0.113
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Front	10mm	Ant 1	DSI 5	Reduced	38000	2595	17.08	18.00	1.236	62.9	1.006	-0.14	0.058	0.072
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI 5	Reduced	38000	2595	17.08	18.00	1.236	62.9	1.006	0.1	0.062	0.077
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	38000	2595	17.08	18.00	1.236	62.9	1.006	-0.02	0.070	0.087
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	38000	2595	17.08	18.00	1.236	62.9	1.006	0.11	0.109	0.136
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Front	10mm	Ant 0	DSI 5	Reduced	38000	2595	19.83	21.00	1.309	62.9	1.006	0.15	0.109	0.144
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 5	Reduced	38000	2595	19.83	21.00	1.309	62.9	1.006	-0.05	0.095	0.125
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSI 5	Reduced	38000	2595	19.83	21.00	1.309	62.9	1.006	-0.13	0.063	0.083
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSI 5	Reduced	38000	2595	19.83	21.00	1.309	62.9	1.006	0.07	0.122	0.161
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Front	10mm	Ant 0	DSI 5	Reduced	38000	2595	19.75	21.00	1.334	62.9	1.006	0.07	0.097	0.130
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI 5	Reduced	38000	2595	19.75	21.00	1.334	62.9	1.006	-0.11	0.089	0.119
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Right Side	10mm	Ant 0	DSI 5	Reduced	38000	2595	19.75	21.00	1.334	62.9	1.006	-0.03	0.061	0.082
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 0	DSI 5	Reduced	38000	2595	19.75	21.00	1.334	62.9	1.006	-0.01	0.115	0.154
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Front	10mm	Ant 3	DSI 5	Reduced	38000	2595	21.66	22.70	1.271	62.9	1.006	-0.08	0.167	0.213
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Back	10mm	Ant 3	DSI 5	Reduced	38000	2595	21.66	22.70	1.271	62.9	1.006	-0.05	0.140	0.179
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	38000	2595	21.66	22.70	1.271	62.9	1.006	-0.14	0.173	0.221
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	38000	2595	21.66	22.70	1.271	62.9	1.006	-0.01	0.031	0.040
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Front	10mm	Ant 3	DSI 5	Reduced	38000	2595	21.64	22.70	1.276	62.9	1.006	0.13	0.169	0.217
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Back	10mm	Ant 3	DSI 5	Reduced	38000	2595	21.64	22.70	1.276	62.9	1.006	-0.12	0.143	0.184
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	38000	2595	21.64	22.70	1.276	62.9	1.006	-0.02	0.186	0.239
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	38000	2595	21.64	22.70	1.276	62.9	1.006	-0.1	0.035	0.045
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Front	10mm	Ant 2	DSI 5	Reduced	38000	2595	21.52	22.50	1.253	62.9	1.006	0.02	0.287	0.362
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 5	Reduced	38000	2595	21.52	22.50	1.253	62.9	1.006	-0.16	0.333	0.420
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	38000	2595	21.52	22.50	1.253	62.9	1.006	-0.06	0.124	0.156
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	38000	2595	21.52	22.50	1.253	62.9	1.006	-0.11	0.409	0.516
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Front	10mm	Ant 2	DSI 5	Reduced	38000	2595	21.45	22.50	1.274	62.9	1.006	-0.12	0.252	0.323
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 5	Reduced	38000	2595	21.45	22.50	1.274	62.9	1.006	-0.01	0.281	0.360
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	38000	2595	21.45	22.50	1.274	62.9	1.006	0.16	0.111	0.142
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	38000	2595	21.45	22.50	1.274	62.9	1.006	0.14	0.367	0.470
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 5	Reduced	40620	2593	17.63	18.50	1.222	62.9	1.006	0.08	0.050	0.061
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 5	Reduced	40620	2593	17.63	18.50	1.222	62.9	1.006	0.12	0.057	0.070
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	40620	2593	17.63	18.50	1.222	62.9	1.006	-0.16	0.065	0.080
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	40620	2593	17.63	18.50	1.222	62.9	1.006	-0.03	0.099	0.122
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Front	10mm	Ant 1	DSI 5	Reduced	40620	2593	17.57	18.50	1.239	62.9	1.006	0.02	0.054	0.067
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI 5	Reduced	40620	2593	17.57	18.50	1.239	62.9	1.006	-0.01	0.058	0.072
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	40620	2593	17.57	18.50	1.239	62.9	1.006	0.11	0.069	0.086
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	40620	2593	17.57	18.50	1.239	62.9	1.006	-0.14	0.108	0.135
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Front	10mm	Ant 0	DSI 5	Reduced	40620	2593	20.01	21.00	1.256	62.9	1.006	0.04	0.105	0.133
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 5	Reduced	40620	2593	20.01	21.00	1.256	62.9	1.006	0.08	0.080	0.101
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSI 5	Reduced	40620	2593	20.01	21.00	1.256	62.9	1.006	-0.02	0.061	0.077
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSI 5	Reduced	40620	2593	20.01	21.00	1.256	62.9	1.006	0.09	0.112	0.142
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Front	10mm	Ant 0	DSI 5	Reduced	40620	2593	19.92	21.00	1.282	62.9	1.006	0.12	0.112	0.144
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI 5	Reduced	40620	2593	19.92	21.00	1.282	62.9	1.006	-0.09	0.094	0.121
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Right Side	10mm	Ant 0	DSI 5	Reduced	40620	2593	19.92	21.00	1.282	62.9	1.006	-0.12	0.064	0.083
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 0	DSI 5	Reduced	40620	2593	19.92	21.00	1.282	62.9	1.006	-0.03	0.128	0.165
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Front	10mm	Ant 3	DSI 5	Reduced	40620	2593	20.77	22.00	1.327	62.9	1.006	0.16	0.167	0.223
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Back	10mm	Ant 3	DSI 5	Reduced	40620	2593	20.77	22.00	1.327	62.9	1.006	-0.08	0.137	0.183
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	40620	2593	20.77	22.00	1.327	62.9	1.006	-0.14	0.200	0.267

LTE Band 41_Main PA	20M	QPSK	1	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	40620	2593	20.77	22.00	1.327	62.9	1.006	0.05	0.029	0.039
LTE Band 41_Main PA	20M	QPSK	50	0	-	Front	10mm	Ant 3	DSI 5	Reduced	40620	2593	20.75	22.00	1.334	62.9	1.006	0.12	0.163	0.219
LTE Band 41_Main PA	20M	QPSK	50	0	-	Back	10mm	Ant 3	DSI 5	Reduced	40620	2593	20.75	22.00	1.334	62.9	1.006	-0.02	0.134	0.180
LTE Band 41_Main PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	40620	2593	20.75	22.00	1.334	62.9	1.006	-0.04	0.184	0.247
LTE Band 41_Main PA	20M	QPSK	50	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	40620	2593	20.75	22.00	1.334	62.9	1.006	0.13	0.024	0.032
LTE Band 41_Main PA	20M	QPSK	1	0	-	Front	10mm	Ant 2	DSI 5	Reduced	40620	2593	22.07	23.00	1.239	62.9	1.006	-0.14	0.308	0.384
LTE Band 41_Main PA	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 5	Reduced	40620	2593	22.07	23.00	1.239	62.9	1.006	0.06	0.337	0.420
LTE Band 41_Main PA	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	40620	2593	22.07	23.00	1.239	62.9	1.006	0.08	0.153	0.191
LTE Band 41_Main PA	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	40620	2593	22.07	23.00	1.239	62.9	1.006	-0.04	0.424	0.528
LTE Band 41_Main PA	20M	QPSK	50	0	-	Front	10mm	Ant 2	DSI 5	Reduced	40620	2593	21.99	23.00	1.262	62.9	1.006	-0.01	0.272	0.345
LTE Band 41_Main PA	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 5	Reduced	40620	2593	21.99	23.00	1.262	62.9	1.006	0.13	0.309	0.392
LTE Band 41_Main PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	40620	2593	21.99	23.00	1.262	62.9	1.006	-0.01	0.134	0.170
LTE Band 41_Main PA	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	40620	2593	21.99	23.00	1.262	62.9	1.006	-0.02	0.375	0.476
N7_Main PA	40M	BPSK	1	1	DFT-15	Front	10mm	Ant 3	DSI 5	Reduced	507000	2535	20.38	20.70	1.076	-	-	0.13	0.181	0.195
N7_Main PA	40M	BPSK	1	1	DFT-15	Back	10mm	Ant 3	DSI 5	Reduced	507000	2535	20.38	20.70	1.076	-	-	-0.13	0.168	0.181
N7_Main PA	40M	BPSK	1	1	DFT-15	Left Side	10mm	Ant 3	DSI 5	Reduced	507000	2535	20.38	20.70	1.076	-	-	0.15	0.194	0.209
N7_Main PA	40M	BPSK	1	1	DFT-15	Top Side	10mm	Ant 3	DSI 5	Reduced	507000	2535	20.38	20.70	1.076	-	-	0.11	0.047	0.051
N7_Main PA	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 3	DSI 5	Reduced	507000	2535	20.22	20.70	1.117	-	-	0.06	0.189	0.211
N7_Main PA	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 3	DSI 5	Reduced	507000	2535	20.22	20.70	1.117	-	-	-0.01	0.171	0.191
N7_Main PA	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 3	DSI 5	Reduced	507000	2535	20.22	20.70	1.117	-	-	0.01	0.199	0.222
N7_Main PA	40M	BPSK	108	54	DFT-15	Top Side	10mm	Ant 3	DSI 5	Reduced	507000	2535	20.22	20.70	1.117	-	-	-0.15	0.050	0.056
N7_Main PA	40M	BPSK	1	1	DFT-15	Front	10mm	Ant 2	DSI 5	Reduced	507000	2535	20.88	21.50	1.153	-	-	-0.06	0.275	0.317
N7_Main PA	40M	BPSK	1	1	DFT-15	Back	10mm	Ant 2	DSI 5	Reduced	507000	2535	20.88	21.50	1.153	-	-	0.12	0.402	0.464
N7_Main PA	40M	BPSK	1	1	DFT-15	Left Side	10mm	Ant 2	DSI 5	Reduced	507000	2535	20.88	21.50	1.153	-	-	0.12	0.126	0.145
N7_Main PA	40M	BPSK	1	1	DFT-15	Bottom Side	10mm	Ant 2	DSI 5	Reduced	507000	2535	20.88	21.50	1.153	-	-	-0.16	0.430	0.496
N7_Main PA	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 2	DSI 5	Reduced	507000	2535	20.80	21.50	1.175	-	-	0.07	0.277	0.325
N7_Main PA	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 2	DSI 5	Reduced	507000	2535	20.80	21.50	1.175	-	-	-0.08	0.415	0.488
N7_Main PA	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 2	DSI 5	Reduced	507000	2535	20.80	21.50	1.175	-	-	-0.12	0.131	0.154
N7_Main PA	40M	BPSK	108	54	DFT-15	Bottom Side	10mm	Ant 2	DSI 5	Reduced	507000	2535	20.80	21.50	1.175	-	-	-0.02	0.439	0.516
N38_Main PA	40M	BPSK	1	1	DFT-30	Front	10mm	Ant 3	DSI 5	Reduced	519000	2595	20.18	21.00	1.208	-	-	-0.08	0.221	0.267
N38_Main PA	40M	BPSK	1	1	DFT-30	Back	10mm	Ant 3	DSI 5	Reduced	519000	2595	20.18	21.00	1.208	-	-	-0.05	0.180	0.217
N38_Main PA	40M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 3	DSI 5	Reduced	519000	2595	20.18	21.00	1.208	-	-	-0.02	0.248	0.300
N38_Main PA	40M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 3	DSI 5	Reduced	519000	2595	20.18	21.00	1.208	-	-	-0.07	0.050	0.060
N38_Main PA	40M	BPSK	50	28	DFT-30	Front	10mm	Ant 3	DSI 5	Reduced	519000	2595	20.10	21.00	1.230	-	-	-0.16	0.231	0.284
N38_Main PA	40M	BPSK	50	28	DFT-30	Back	10mm	Ant 3	DSI 5	Reduced	519000	2595	20.10	21.00	1.230	-	-	-0.1	0.184	0.226
N38_Main PA	40M	BPSK	50	28	DFT-30	Left Side	10mm	Ant 3	DSI 5	Reduced	519000	2595	20.10	21.00	1.230	-	-	-0.01	0.249	0.306
N38_Main PA	40M	BPSK	50	28	DFT-30	Top Side	10mm	Ant 3	DSI 5	Reduced	519000	2595	20.10	21.00	1.230	-	-	-0.12	0.053	0.065
N38_Main PA	40M	BPSK	1	1	DFT-30	Front	10mm	Ant 2	DSI 5	Reduced	519000	2595	21.25	21.50	1.059	-	-	0.07	0.320	0.339
N38_Main PA	40M	BPSK	1	1	DFT-30	Back	10mm	Ant 2	DSI 5	Reduced	519000	2595	21.25	21.50	1.059	-	-	0.15	0.462	0.489
N38_Main PA	40M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 2	DSI 5	Reduced	519000	2595	21.25	21.50	1.059	-	-	-0.02	0.143	0.151
N38_Main PA	40M	BPSK	1	1	DFT-30	Bottom Side	10mm	Ant 2	DSI 5	Reduced	519000	2595	21.25	21.50	1.059	-	-	0.04	0.486	0.515
N38_Main PA	40M	BPSK	50	28	DFT-30	Front	10mm	Ant 2	DSI 5	Reduced	519000	2595	21.21	21.50	1.069	-	-	-0.03	0.293	0.313
N38_Main PA	40M	BPSK	50	28	DFT-30	Back	10mm	Ant 2	DSI 5	Reduced	519000	2595	21.21	21.50	1.069	-	-	-0.04	0.414	0.443
N38_Main PA	40M	BPSK	50	28	DFT-30	Left Side	10mm	Ant 2	DSI 5	Reduced	519000	2595	21.21	21.50	1.069	-	-	-0.05	0.142	0.152
N38_Main PA	40M	BPSK	50	28	DFT-30	Bottom Side	10mm	Ant 2	DSI 5	Reduced	519000	2595	21.21	21.50	1.069	-	-	-0.04	0.442	0.473
N41_Main PA	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 3	DSI 5	Reduced	518598	2592.99	18.63	19.50	1.222	-	-	-0.01	0.141	0.172
N41_Main PA	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 3	DSI 5	Reduced	518598	2592.99	18.63	19.50	1.222	-	-	0.16	0.128	0.156
N41_Main PA	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 3	DSI 5	Reduced	518598	2592.99	18.63	19.50	1.222	-	-	0.08	0.147	0.180
N41_Main PA	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 3	DSI 5	Reduced	518598	2592.99	18.63	19.50	1.222	-	-	-0.05	0.040	0.049
N41_Main PA	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 3	DSI 5	Reduced	518598	2592.99	18.60	19.50	1.230	-	-	0.15	0.156	0.192
N41_Main PA	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 3	DSI 5	Reduced	518598	2592.99	18.60	19.50	1.230	-	-	0.1	0.132	0.162
N41_Main PA	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 3	DSI 5	Reduced	518598	2592.99	18.60	19.50	1.230	-	-	0.14	0.175	0.215
N41_Main PA	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 3	DSI 5	Reduced	518598	2592.99	18.60	19.50	1.230	-	-	-0.07	0.046	0.057
N41_Main PA	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 2	DSI 5	Reduced	518598	2592.99	20.27	21.00	1.183	-	-	0.03	0.262	0.310
N41_Main PA	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 2	DSI 5	Reduced	518598	2592.99	20.27	21.00	1.183	-	-	-0.15	0.378	0.447
N41_Main PA	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 2	DSI 5	Reduced	518598	2592.99	20.27	21.00	1.183	-	-	0.02	0.118	0.140

	N41_Main PA	100M	BPSK	1	1	DFT-30	Bottom Side	10mm	Ant 2	DSI 5	Reduced	518598	2592.99	20.27	21.00	1.183	-	-	0.14	0.445	0.526
	N41_Main PA	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 2	DSI 5	Reduced	518598	2592.99	20.07	21.00	1.239	-	-	-0.05	0.241	0.299
	N41_Main PA	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 2	DSI 5	Reduced	518598	2592.99	20.07	21.00	1.239	-	-	0.05	0.344	0.426
	N41_Main PA	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 2	DSI 5	Reduced	518598	2592.99	20.07	21.00	1.239	-	-	-0.04	0.107	0.133
	N41_Main PA	100M	BPSK	135	69	DFT-30	Bottom Side	10mm	Ant 2	DSI 5	Reduced	518598	2592.99	20.07	21.00	1.239	-	-	-0.14	0.417	0.517
3500-3900MHz																					
	N78_Main PA	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 4	DSI 5	Reduced	633334	3500.01	19.20	21.00	1.514	-	-	-0.14	0.102	0.154
	N78_Main PA	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 4	DSI 5	Reduced	633334	3500.01	19.20	21.00	1.514	-	-	0.04	0.137	0.207
	N78_Main PA	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 4	DSI 5	Reduced	633334	3500.01	19.20	21.00	1.514	-	-	-0.11	0.241	0.365
	N78_Main PA	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 4	DSI 5	Reduced	633334	3500.01	19.20	21.00	1.514	-	-	-0.03	0.051	0.077
	N78_Main PA	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 4	DSI 5	Reduced	633334	3500.01	19.02	21.00	1.578	-	-	0.01	0.116	0.183
	N78_Main PA	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 4	DSI 5	Reduced	633334	3500.01	19.02	21.00	1.578	-	-	-0.02	0.153	0.241
	N78_Main PA	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 4	DSI 5	Reduced	633334	3500.01	19.02	21.00	1.578	-	-	-0.1	0.271	0.428
	N78_Main PA	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 4	DSI 5	Reduced	633334	3500.01	19.02	21.00	1.578	-	-	-0.06	0.055	0.087
	N78_Main PA	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 4	DSI 5	Reduced	650000	3750	19.08	21.00	1.556	-	-	-0.01	0.077	0.120
	N78_Main PA	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 4	DSI 5	Reduced	650000	3750	19.08	21.00	1.556	-	-	-0.15	0.102	0.159
	N78_Main PA	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 4	DSI 5	Reduced	650000	3750	19.08	21.00	1.556	-	-	0.03	0.220	0.342
	N78_Main PA	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 4	DSI 5	Reduced	650000	3750	19.08	21.00	1.556	-	-	-0.09	0.039	0.061
	N78_Main PA	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 4	DSI 5	Reduced	650000	3750	19.05	21.00	1.567	-	-	0.04	0.074	0.116
	N78_Main PA	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 4	DSI 5	Reduced	650000	3750	19.05	21.00	1.567	-	-	-0.06	0.090	0.141
	N78_Main PA	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 4	DSI 5	Reduced	650000	3750	19.05	21.00	1.567	-	-	0.06	0.172	0.269
	N78_Main PA	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 4	DSI 5	Reduced	650000	3750	19.05	21.00	1.567	-	-	-0.06	0.037	0.058
	N78_Main PA	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 5	DSI 5	Reduced	633334	3500.01	16.64	18.00	1.368	-	-	0.12	0.082	0.112
	N78_Main PA	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 5	DSI 5	Reduced	633334	3500.01	16.64	18.00	1.368	-	-	-0.05	0.130	0.178
	N78_Main PA	100M	BPSK	1	1	DFT-30	Right Side	10mm	Ant 5	DSI 5	Reduced	633334	3500.01	16.64	18.00	1.368	-	-	0.02	0.036	0.049
	N78_Main PA	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 5	DSI 5	Reduced	633334	3500.01	16.64	18.00	1.368	-	-	0.06	0.185	0.253
	N78_Main PA	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 5	DSI 5	Reduced	633334	3500.01	16.54	18.00	1.400	-	-	-0.12	0.083	0.116
	N78_Main PA	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 5	DSI 5	Reduced	633334	3500.01	16.54	18.00	1.400	-	-	-0.09	0.137	0.192
	N78_Main PA	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 5	DSI 5	Reduced	633334	3500.01	16.54	18.00	1.400	-	-	-0.13	0.038	0.053
	N78_Main PA	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 5	DSI 5	Reduced	633334	3500.01	16.54	18.00	1.400	-	-	0.16	0.187	0.262
	N78_Main PA	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 5	DSI 5	Reduced	650000	3750	16.65	18.00	1.365	-	-	0.05	0.080	0.109
	N78_Main PA	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 5	DSI 5	Reduced	650000	3750	16.65	18.00	1.365	-	-	-0.01	0.147	0.201
	N78_Main PA	100M	BPSK	1	1	DFT-30	Right Side	10mm	Ant 5	DSI 5	Reduced	650000	3750	16.65	18.00	1.365	-	-	0.04	0.040	0.055
	N78_Main PA	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 5	DSI 5	Reduced	650000	3750	16.65	18.00	1.365	-	-	-0.04	0.161	0.220
	N78_Main PA	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 5	DSI 5	Reduced	650000	3750	16.63	18.00	1.371	-	-	-0.05	0.088	0.121
	N78_Main PA	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 5	DSI 5	Reduced	650000	3750	16.63	18.00	1.371	-	-	0.14	0.155	0.212
	N78_Main PA	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 5	DSI 5	Reduced	650000	3750	16.63	18.00	1.371	-	-	-0.03	0.043	0.059
	N78_Main PA	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 5	DSI 5	Reduced	650000	3750	16.63	18.00	1.371	-	-	-0.15	0.164	0.225
	N78_Main PA	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 6	DSI 5	Reduced	633334	3500.01	15.54	16.50	1.247	-	-	-0.05	0.078	0.097
	N78_Main PA	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 6	DSI 5	Reduced	633334	3500.01	15.54	16.50	1.247	-	-	-0.01	0.071	0.089
	N78_Main PA	100M	BPSK	1	1	DFT-30	Right Side	10mm	Ant 6	DSI 5	Reduced	633334	3500.01	15.54	16.50	1.247	-	-	-0.01	0.169	0.211
	N78_Main PA	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 6	DSI 5	Reduced	633334	3500.01	15.54	16.50	1.247	-	-	-0.16	0.046	0.057
	N78_Main PA	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 6	DSI 5	Reduced	633334	3500.01	15.43	16.50	1.279	-	-	-0.14	0.084	0.107
	N78_Main PA	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 6	DSI 5	Reduced	633334	3500.01	15.43	16.50	1.279	-	-	-0.03	0.080	0.102
	N78_Main PA	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 6	DSI 5	Reduced	633334	3500.01	15.43	16.50	1.279	-	-	0.16	0.274	0.351
	N78_Main PA	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 6	DSI 5	Reduced	633334	3500.01	15.43	16.50	1.279	-	-	0.07	0.048	0.061
	N78_Main PA	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 6	DSI 5	Reduced	650000	3750	15.55	16.50	1.245	-	-	-0.03	0.163	0.203
	N78_Main PA	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 6	DSI 5	Reduced	650000	3750	15.55	16.50	1.245	-	-	0.1	0.164	0.204
	N78_Main PA	100M	BPSK	1	1	DFT-30	Right Side	10mm	Ant 6	DSI 5	Reduced	650000	3750	15.55	16.50	1.245	-	-	-0.06	0.309	0.385
	N78_Main PA	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 6	DSI 5	Reduced	650000	3750	15.55	16.50	1.245	-	-	0.08	0.070	0.087
	N78_Main PA	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 6	DSI 5	Reduced	650000	3750	15.50	16.50	1.259	-	-	-0.07	0.164	0.206
	N78_Main PA	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 6	DSI 5	Reduced	650000	3750	15.50	16.50	1.259	-	-	0.13	0.165	0.208
	N78_Main PA	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 6	DSI 5	Reduced	650000	3750	15.50	16.50	1.259	-	-	-0.02	0.340	0.428
	N78_Main PA	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 6	DSI 5	Reduced	650000	3750	15.50	16.50	1.259	-	-	-0.13	0.070	0.088
	N78_Main PA	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 7	DSI 5	Reduced	633334	3500.01	13.63	15.00	1.371	-	-	-0.11	0.010	0.014
	N78_Main PA	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 7	DSI 5	Reduced	633334	3500.01	13.63	15.00	1.371	-	-	0.07	0.156	0.214

	N78_Main PA	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 7	DSI 5	Reduced	633334	3500.01	13.63	15.00	1.371	-	-	-0.02	0.067	0.092
	N78_Main PA	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 7	DSI 5	Reduced	633334	3500.01	13.63	15.00	1.371	-	-	-0.03	0.013	0.018
	N78_Main PA	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 7	DSI 5	Reduced	633334	3500.01	13.59	15.00	1.384	-	-	0.07	0.012	0.017
	N78_Main PA	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 7	DSI 5	Reduced	633334	3500.01	13.59	15.00	1.384	-	-	0.07	0.161	0.223
	N78_Main PA	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 7	DSI 5	Reduced	633334	3500.01	13.59	15.00	1.384	-	-	0.04	0.069	0.095
	N78_Main PA	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 7	DSI 5	Reduced	633334	3500.01	13.59	15.00	1.384	-	-	-0.14	0.014	0.019
	N78_Main PA	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 7	DSI 5	Reduced	650000	3750	13.34	15.00	1.466	-	-	0.12	0.011	0.016
	N78_Main PA	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 7	DSI 5	Reduced	650000	3750	13.34	15.00	1.466	-	-	0.12	0.241	0.353
	N78_Main PA	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 7	DSI 5	Reduced	650000	3750	13.34	15.00	1.466	-	-	0.02	0.095	0.139
	N78_Main PA	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 7	DSI 5	Reduced	650000	3750	13.34	15.00	1.466	-	-	0.08	0.014	0.021
	N78_Main PA	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 7	DSI 5	Reduced	650000	3750	13.26	15.00	1.493	-	-	-0.01	0.014	0.021
	N78_Main PA	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 7	DSI 5	Reduced	650000	3750	13.26	15.00	1.493	-	-	0.16	0.342	0.511
	N78_Main PA	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 7	DSI 5	Reduced	650000	3750	13.26	15.00	1.493	-	-	-0.05	0.122	0.182
	N78_Main PA	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 7	DSI 5	Reduced	650000	3750	13.26	15.00	1.493	-	-	0.15	0.017	0.025

DL CA / Inter-Band CA & EN-DC LTE Other PA

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	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)
1750MHz																			
	LTE Band 4_Other PA	20M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 5	Reduced	20175	1732.5	16.72	17.50	1.197	0.07	0.126	0.151
	LTE Band 4_Other PA	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 5	Reduced	20175	1732.5	16.72	17.50	1.197	0.08	0.205	0.245
	LTE Band 4_Other PA	20M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	20175	1732.5	16.72	17.50	1.197	-0.01	0.093	0.111
	LTE Band 4_Other PA	20M	QPSK	1	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	20175	1732.5	16.72	17.50	1.197	0.14	0.253	0.303
	LTE Band 4_Other PA	20M	QPSK	50	0	-	Front	10mm	Ant 1	DSI 5	Reduced	20175	1732.5	16.70	17.50	1.202	0.11	0.125	0.150
	LTE Band 4_Other PA	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI 5	Reduced	20175	1732.5	16.70	17.50	1.202	0.01	0.197	0.237
	LTE Band 4_Other PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	20175	1732.5	16.70	17.50	1.202	-0.07	0.091	0.109
	LTE Band 4_Other PA	20M	QPSK	50	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	20175	1732.5	16.70	17.50	1.202	-0.07	0.234	0.281
	LTE Band 4_Other PA	20M	QPSK	1	0	-	Front	10mm	Ant 0	DSI 5	Full	20175	1732.5	23.03	24.50	1.403	0.07	0.217	0.304
	LTE Band 4_Other PA	20M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 5	Full	20175	1732.5	23.03	24.50	1.403	0.01	0.379	0.532
	LTE Band 4_Other PA	20M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSI 5	Full	20175	1732.5	23.03	24.50	1.403	0.12	0.236	0.331
	LTE Band 4_Other PA	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSI 5	Full	20175	1732.5	23.03	24.50	1.403	-0.06	0.090	0.126
	LTE Band 4_Other PA	20M	QPSK	50	0	-	Front	10mm	Ant 0	DSI 5	Full	20175	1732.5	22.28	23.50	1.324	-0.11	0.196	0.260
	LTE Band 4_Other PA	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI 5	Full	20175	1732.5	22.28	23.50	1.324	-0.12	0.324	0.429
	LTE Band 4_Other PA	20M	QPSK	50	0	-	Right Side	10mm	Ant 0	DSI 5	Full	20175	1732.5	22.28	23.50	1.324	-0.02	0.217	0.287
	LTE Band 4_Other PA	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 0	DSI 5	Full	20175	1732.5	22.28	23.50	1.324	0.01	0.088	0.117
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 5	Reduced	132322	1745	16.58	17.50	1.236	-0.02	0.135	0.167
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 5	Reduced	132322	1745	16.58	17.50	1.236	-0.12	0.215	0.266
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	132322	1745	16.58	17.50	1.236	-0.03	0.089	0.110
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	132322	1745	16.58	17.50	1.236	-0.09	0.310	0.383
	LTE Band 66_Other PA	20M	QPSK	50	0	-	Front	10mm	Ant 1	DSI 5	Reduced	132322	1745	16.48	17.50	1.265	0.06	0.128	0.162
	LTE Band 66_Other PA	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI 5	Reduced	132322	1745	16.48	17.50	1.265	0.09	0.208	0.263
	LTE Band 66_Other PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	132322	1745	16.48	17.50	1.265	0.08	0.081	0.102
	LTE Band 66_Other PA	20M	QPSK	50	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	132322	1745	16.48	17.50	1.265	-0.08	0.279	0.353
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Front	10mm	Ant 0	DSI 5	Full	132322	1745	22.14	23.50	1.368	0.15	0.184	0.252
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 5	Full	132322	1745	22.14	23.50	1.368	-0.03	0.364	0.498
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSI 5	Full	132322	1745	22.14	23.50	1.368	-0.1	0.208	0.284
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSI 5	Full	132322	1745	22.14	23.50	1.368	-0.14	0.104	0.142
	LTE Band 66_Other PA	20M	QPSK	50	0	-	Front	10mm	Ant 0	DSI 5	Full	132322	1745	21.31	22.50	1.315	-0.04	0.169	0.222
	LTE Band 66_Other PA	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI 5	Full	132322	1745	21.31	22.50	1.315	-0.12	0.282	0.371
	LTE Band 66_Other PA	20M	QPSK	50	0	-	Right Side	10mm	Ant 0	DSI 5	Full	132322	1745	21.31	22.50	1.315	-0.03	0.193	0.254
	LTE Band 66_Other PA	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 0	DSI 5	Full	132322	1745	21.31	22.50	1.315	-0.03	0.106	0.139
	N66_Other PA	40M	BPSK	1	1	DFT-15	Front	10mm	Ant 1	DSI 5	Reduced	349000	1745	16.15	17.00	1.216	-0.05	0.106	0.129
	N66_Other PA	40M	BPSK	1	1	DFT-15	Back	10mm	Ant 1	DSI 5	Reduced	349000	1745	16.15	17.00	1.216	0.12	0.167	0.203
	N66_Other PA	40M	BPSK	1	1	DFT-15	Left Side	10mm	Ant 1	DSI 5	Reduced	349000	1745	16.15	17.00	1.216	0.13	0.076	0.092
	N66_Other PA	40M	BPSK	1	1	DFT-15	Top Side	10mm	Ant 1	DSI 5	Reduced	349000	1745	16.15	17.00	1.216	0.15	0.207	0.252
	N66_Other PA	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 1	DSI 5	Reduced	349000	1745	16.13	17.00	1.222	0.04	0.113	0.138

	N66_Other PA	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 1	DSI 5	Reduced	349000	1745	16.13	17.00	1.222	-0.09	0.173	0.211
	N66_Other PA	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 1	DSI 5	Reduced	349000	1745	16.13	17.00	1.222	-0.14	0.077	0.094
	N66_Other PA	40M	BPSK	108	54	DFT-15	Top Side	10mm	Ant 1	DSI 5	Reduced	349000	1745	16.13	17.00	1.222	-0.09	0.230	0.281
	N66_Other PA	40M	BPSK	1	1	DFT-15	Front	10mm	Ant 0	DSI 5	Full	349000	1745	22.28	23.50	1.324	0.11	0.194	0.257
	N66_Other PA	40M	BPSK	1	1	DFT-15	Back	10mm	Ant 0	DSI 5	Full	349000	1745	22.28	23.50	1.324	0.12	0.296	0.392
	N66_Other PA	40M	BPSK	1	1	DFT-15	Right Side	10mm	Ant 0	DSI 5	Full	349000	1745	22.28	23.50	1.324	0.02	0.210	0.278
	N66_Other PA	40M	BPSK	1	1	DFT-15	Bottom Side	10mm	Ant 0	DSI 5	Full	349000	1745	22.28	23.50	1.324	0.05	0.077	0.102
	N66_Other PA	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 0	DSI 5	Full	349000	1745	22.24	23.50	1.337	-0.11	0.203	0.271
	N66_Other PA	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 0	DSI 5	Full	349000	1745	22.24	23.50	1.337	0.1	0.367	0.491
	N66_Other PA	40M	BPSK	108	54	DFT-15	Right Side	10mm	Ant 0	DSI 5	Full	349000	1745	22.24	23.50	1.337	-0.14	0.232	0.310
	N66_Other PA	40M	BPSK	108	54	DFT-15	Bottom Side	10mm	Ant 0	DSI 5	Full	349000	1745	22.24	23.50	1.337	-0.15	0.124	0.166
	N66_Other PA	40M	BPSK	1	1	DFT-15	Front	10mm	Ant 3	DSI 5	Reduced	349000	1745	17.19	18.50	1.352	-0.01	0.074	0.100
	N66_Other PA	40M	BPSK	1	1	DFT-15	Back	10mm	Ant 3	DSI 5	Reduced	349000	1745	17.19	18.50	1.352	0.03	0.078	0.105
	N66_Other PA	40M	BPSK	1	1	DFT-15	Left Side	10mm	Ant 3	DSI 5	Reduced	349000	1745	17.19	18.50	1.352	0.07	0.160	0.216
	N66_Other PA	40M	BPSK	1	1	DFT-15	Top Side	10mm	Ant 3	DSI 5	Reduced	349000	1745	17.19	18.50	1.352	-0.03	0.031	0.042
	N66_Other PA	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 3	DSI 5	Reduced	349000	1745	17.16	18.50	1.361	0.05	0.080	0.109
	N66_Other PA	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 3	DSI 5	Reduced	349000	1745	17.16	18.50	1.361	0.12	0.084	0.114
	N66_Other PA	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 3	DSI 5	Reduced	349000	1745	17.16	18.50	1.361	-0.01	0.162	0.221
	N66_Other PA	40M	BPSK	108	54	DFT-15	Top Side	10mm	Ant 3	DSI 5	Reduced	349000	1745	17.16	18.50	1.361	-0.1	0.034	0.046
	N66_Other PA	40M	BPSK	1	1	DFT-15	Front	10mm	Ant 2	DSI 5	Reduced	349000	1745	18.77	20.00	1.327	-0.06	0.208	0.276
	N66_Other PA	40M	BPSK	1	1	DFT-15	Back	10mm	Ant 2	DSI 5	Reduced	349000	1745	18.77	20.00	1.327	0.08	0.265	0.352
	N66_Other PA	40M	BPSK	1	1	DFT-15	Left Side	10mm	Ant 2	DSI 5	Reduced	349000	1745	18.77	20.00	1.327	0.01	0.085	0.113
	N66_Other PA	40M	BPSK	1	1	DFT-15	Bottom Side	10mm	Ant 2	DSI 5	Reduced	349000	1745	18.77	20.00	1.327	-0.07	0.358	0.475
	N66_Other PA	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 2	DSI 5	Reduced	349000	1745	18.74	20.00	1.337	-0.04	0.214	0.286
	N66_Other PA	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 2	DSI 5	Reduced	349000	1745	18.74	20.00	1.337	0.03	0.272	0.364
	N66_Other PA	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 2	DSI 5	Reduced	349000	1745	18.74	20.00	1.337	0.16	0.086	0.115
	N66_Other PA	40M	BPSK	108	54	DFT-15	Bottom Side	10mm	Ant 2	DSI 5	Reduced	349000	1745	18.74	20.00	1.337	0.1	0.385	0.515
2600MHz																			
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 5	Reduced	21100	2535	17.11	18.00	1.227	-0.15	0.100	0.123
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 5	Reduced	21100	2535	17.11	18.00	1.227	-0.06	0.134	0.164
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	21100	2535	17.11	18.00	1.227	0.11	0.157	0.193
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	21100	2535	17.11	18.00	1.227	0.06	0.139	0.171
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Front	10mm	Ant 1	DSI 5	Reduced	21100	2535	17.04	18.00	1.247	-0.02	0.096	0.120
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI 5	Reduced	21100	2535	17.04	18.00	1.247	-0.09	0.123	0.153
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	DSI 5	Reduced	21100	2535	17.04	18.00	1.247	-0.04	0.140	0.175
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Top Side	10mm	Ant 1	DSI 5	Reduced	21100	2535	17.04	18.00	1.247	-0.11	0.136	0.170
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Front	10mm	Ant 0	DSI 5	Reduced	21100	2535	22.24	23.50	1.337	-0.11	0.246	0.329
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 5	Reduced	21100	2535	22.24	23.50	1.337	0.06	0.285	0.381
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Right Side	10mm	Ant 0	DSI 5	Reduced	21100	2535	22.24	23.50	1.337	0.02	0.158	0.211
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	DSI 5	Reduced	21100	2535	22.24	23.50	1.337	-0.05	0.325	0.434
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Front	10mm	Ant 0	DSI 5	Reduced	21100	2535	22.10	23.50	1.380	0.03	0.236	0.326
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI 5	Reduced	21100	2535	22.10	23.50	1.380	-0.07	0.272	0.375
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Right Side	10mm	Ant 0	DSI 5	Reduced	21100	2535	22.10	23.50	1.380	0.15	0.147	0.203
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 0	DSI 5	Reduced	21100	2535	22.10	23.50	1.380	-0.16	0.307	0.424
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Front	10mm	Ant 3	DSI 5	Reduced	21100	2535	18.46	20.00	1.426	-0.08	0.114	0.163
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Back	10mm	Ant 3	DSI 5	Reduced	21100	2535	18.46	20.00	1.426	-0.13	0.105	0.150
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	21100	2535	18.46	20.00	1.426	-0.02	0.107	0.153
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	21100	2535	18.46	20.00	1.426	0.07	0.027	0.038
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Front	10mm	Ant 3	DSI 5	Reduced	21100	2535	18.45	20.00	1.429	-0.12	0.117	0.167
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Back	10mm	Ant 3	DSI 5	Reduced	21100	2535	18.45	20.00	1.429	-0.1	0.106	0.151
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 3	DSI 5	Reduced	21100	2535	18.45	20.00	1.429	0.02	0.108	0.154
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Top Side	10mm	Ant 3	DSI 5	Reduced	21100	2535	18.45	20.00	1.429	-0.02	0.031	0.044
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Front	10mm	Ant 2	DSI 5	Reduced	21100	2535	20.21	21.00	1.199	-0.09	0.254	0.305
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 5	Reduced	21100	2535	20.21	21.00	1.199	-0.15	0.287	0.344
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	21100	2535	20.21	21.00	1.199	0.04	0.121	0.145
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	21100	2535	20.21	21.00	1.199	-0.07	0.426	0.511

	LTE Band 7_Other PA	20M	QPSK	50	0	-	Front	10mm	Ant 2	DSI 5	Reduced	21100	2535	20.17	21.00	1.211	0.06	0.228	0.276
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 5	Reduced	21100	2535	20.17	21.00	1.211	0.04	0.277	0.335
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	DSI 5	Reduced	21100	2535	20.17	21.00	1.211	-0.12	0.118	0.143
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 2	DSI 5	Reduced	21100	2535	20.17	21.00	1.211	0.04	0.296	0.358

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	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)
2450MHz																
	Bluetooth	DH5 1Mbps	Front	10mm	Ant 16	Full	39	2441	16.36	18.00	1.459	77.1	1.297	0.01	0.071	0.134
	Bluetooth	DH5 1Mbps	Back	10mm	Ant 16	Full	39	2441	16.36	18.00	1.459	77.1	1.297	0.15	0.083	0.157
	Bluetooth	DH5 1Mbps	Left Side	10mm	Ant 16	Full	39	2441	16.36	18.00	1.459	77.1	1.297	-0.01	0.005	0.009
	Bluetooth	DH5 1Mbps	Right Side	10mm	Ant 16	Full	39	2441	16.36	18.00	1.459	77.1	1.297	0.13	0.038	0.072
	Bluetooth	DH5 1Mbps	Top Side	10mm	Ant 16	Full	39	2441	16.36	18.00	1.459	77.1	1.297	0.16	0.120	0.227
	Bluetooth	DH5 1Mbps	Front	10mm	Ant 18	Full	39	2441	16.3	18.00	1.479	76.14	1.313	-0.1	0.097	0.188
	Bluetooth	DH5 1Mbps	Back	10mm	Ant 18	Full	39	2441	16.3	18.00	1.479	76.14	1.313	0.04	0.074	0.144
	Bluetooth	DH5 1Mbps	Left Side	10mm	Ant 18	Full	39	2441	16.3	18.00	1.479	76.14	1.313	-0.08	0.004	0.008
58	Bluetooth	DH5 1Mbps	Right Side	10mm	Ant 18	Full	39	2441	16.3	18.00	1.479	76.14	1.313	-0.06	0.136	**0.264**
	Bluetooth	DH5 1Mbps	Top Side	10mm	Ant 18	Full	39	2441	16.3	18.00	1.479	76.14	1.313	0.06	0.017	0.033
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 16+18	Reduced	6	2437	16.56	17.50	1.242	100	1.000	0.1	0.081	0.101
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 16+18	Reduced	6	2437	16.56	17.50	1.242	100	1.000	0.09	0.108	0.134
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 16+18	Reduced	6	2437	16.56	17.50	1.242	100	1.000	-0.14	0.004	0.005
59	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 16+18	Reduced	6	2437	16.56	17.50	1.242	100	1.000	-0.13	0.184	**0.228**
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 16+18	Reduced	6	2437	16.56	17.50	1.242	100	1.000	0.09	0.038	0.047
5000MHz																
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 17+18	Reduced	42	5210	18.18	20.00	1.521	99.12	1.009	-0.13	0.118	0.181
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 17+18	Reduced	42	5210	18.18	20.00	1.521	99.12	1.009	-0.09	0.148	0.227
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 17+18	Reduced	42	5210	18.18	20.00	1.521	99.12	1.009	0.13	0.022	0.034
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 17+18	Reduced	42	5210	18.18	20.00	1.521	99.12	1.009	0.15	0.136	0.209
60	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 17+18	Reduced	42	5210	18.18	20.00	1.521	99.12	1.009	0.03	0.157	**0.241**
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 17+18	Reduced	155	5775	13.71	15.50	1.510	99.12	1.009	0.13	0.099	0.151
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 17+18	Reduced	155	5775	13.71	15.50	1.510	99.12	1.009	0.06	0.121	0.184
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 17+18	Reduced	155	5775	13.71	15.50	1.510	99.12	1.009	-0.06	0.003	0.005
61	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 17+18	Reduced	155	5775	13.71	15.50	1.510	99.12	1.009	0.05	0.145	**0.221**
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 17+18	Reduced	155	5775	13.71	15.50	1.510	99.12	1.009	-0.03	0.090	0.137

15.3 Body Worn Accessory SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	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)
750MHz																					
	LTE Band 12	10M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 4	Full	23095	707.5	24.18	25.50	1.355	-	-	0.13	0.170	0.230
62	LTE Band 12	10M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 4	Full	23095	707.5	24.18	25.50	1.355	-	-	-0.01	0.189	**0.256**
	LTE Band 12	10M	QPSK	25	0	-	Front	15mm	Ant 1	DSI 4	Full	23095	707.5	23.17	24.50	1.358	-	-	-0.09	0.145	0.197
	LTE Band 12	10M	QPSK	25	0	-	Back	15mm	Ant 1	DSI 4	Full	23095	707.5	23.17	24.50	1.358	-	-	-0.05	0.156	0.212
	LTE Band 12	10M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 4	Full	23095	707.5	24.98	25.50	1.127	-	-	0.14	0.150	0.169
	LTE Band 12	10M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 4	Full	23095	707.5	24.98	25.50	1.127	-	-	0.11	0.145	0.163
	LTE Band 12	10M	QPSK	25	0	-	Front	15mm	Ant 0	DSI 4	Full	23095	707.5	23.97	24.50	1.130	-	-	-0.05	0.142	0.160
	LTE Band 12	10M	QPSK	25	0	-	Back	15mm	Ant 0	DSI 4	Full	23095	707.5	23.97	24.50	1.130	-	-	-0.07	0.138	0.156
	LTE Band 17	10M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 4	Full	23790	710	24.24	25.50	1.337	-	-	0.1	0.169	0.226
63	LTE Band 17	10M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 4	Full	23790	710	24.24	25.50	1.337	-	-	-0.09	0.193	**0.258**
	LTE Band 17	10M	QPSK	25	0	-	Front	15mm	Ant 1	DSI 4	Full	23790	710	23.24	24.50	1.337	-	-	-0.11	0.150	0.200
	LTE Band 17	10M	QPSK	25	0	-	Back	15mm	Ant 1	DSI 4	Full	23790	710	23.24	24.50	1.337	-	-	0.05	0.182	0.243
	LTE Band 17	10M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 4	Full	23790	710	24.97	25.50	1.130	-	-	0.02	0.177	0.200
	LTE Band 17	10M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 4	Full	23790	710	24.97	25.50	1.130	-	-	-0.09	0.165	0.186
	LTE Band 17	10M	QPSK	25	0	-	Front	15mm	Ant 0	DSI 4	Full	23790	710	23.98	24.50	1.127	-	-	-0.12	0.162	0.183
	LTE Band 17	10M	QPSK	25	0	-	Back	15mm	Ant 0	DSI 4	Full	23790	710	23.98	24.50	1.127	-	-	0.09	0.143	0.161
	LTE Band 13	10M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 4	Full	23230	782	24.24	25.50	1.337	-	-	0.09	0.089	0.119
	LTE Band 13	10M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 4	Full	23230	782	24.24	25.50	1.337	-	-	0.07	0.147	0.196
	LTE Band 13	10M	QPSK	25	0	-	Front	15mm	Ant 1	DSI 4	Full	23230	782	23.32	24.50	1.312	-	-	0.01	0.069	0.091
	LTE Band 13	10M	QPSK	25	0	-	Back	15mm	Ant 1	DSI 4	Full	23230	782	23.32	24.50	1.312	-	-	0.16	0.125	0.164
64	LTE Band 13	10M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 4	Full	23230	782	25.03	25.50	1.114	-	-	-0.15	0.250	**0.279**
	LTE Band 13	10M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 4	Full	23230	782	25.03	25.50	1.114	-	-	-0.16	0.229	0.255
	LTE Band 13	10M	QPSK	25	0	-	Front	15mm	Ant 0	DSI 4	Full	23230	782	24.02	24.50	1.117	-	-	-0.14	0.224	0.250
	LTE Band 13	10M	QPSK	25	0	-	Back	15mm	Ant 0	DSI 4	Full	23230	782	24.02	24.50	1.117	-	-	-0.14	0.181	0.202
835MHz																					
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Front	15mm	Ant 1	DSI 4	Full	189	836.4	26.31	28.00	1.476	-	-	0.16	0.113	0.167
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Back	15mm	Ant 1	DSI 4	Full	189	836.4	26.31	28.00	1.476	-	-	-0.11	0.156	0.230
	GSM850	-	-	-	-	GPRS(4 Tx slots)	Front	15mm	Ant 0	DSI 4	Full	189	836.4	26.72	28.00	1.343	-	-	-0.1	0.223	0.299
65	GSM850	-	-	-	-	GPRS(4 Tx slots)	Back	15mm	Ant 0	DSI 4	Full	189	836.4	26.72	28.00	1.343	-	-	0.08	0.237	**0.318**
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 1	DSI 4	Full	4182	836.4	24.48	25.50	1.265	-	-	0.05	0.116	0.147
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 1	DSI 4	Full	4182	836.4	24.48	25.50	1.265	-	-	-0.08	0.243	0.307
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 0	DSI 4	Full	4182	836.4	24.34	25.50	1.306	-	-	0.02	0.216	0.282
66	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 0	DSI 4	Full	4182	836.4	24.34	25.50	1.306	-	-	0.05	0.241	**0.315**
	LTE Band 5	10M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 4	Full	20525	836.5	24.21	26.00	1.510	-	-	-0.05	0.150	0.227
67	LTE Band 5	10M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 4	Full	20525	836.5	24.21	26.00	1.510	-	-	0.11	0.263	**0.397**
	LTE Band 5	10M	QPSK	25	0	-	Front	15mm	Ant 1	DSI 4	Full	20525	836.5	23.28	25.00	1.486	-	-	0.05	0.121	0.180
	LTE Band 5	10M	QPSK	25	0	-	Back	15mm	Ant 1	DSI 4	Full	20525	836.5	23.28	25.00	1.486	-	-	0.05	0.223	0.331
	LTE Band 5	10M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 4	Full	20525	836.5	24.47	25.50	1.268	-	-	-0.16	0.162	0.205
	LTE Band 5	10M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 4	Full	20525	836.5	24.47	25.50	1.268	-	-	0.12	0.185	0.235
	LTE Band 5	10M	QPSK	25	0	-	Front	15mm	Ant 0	DSI 4	Full	20525	836.5	23.43	24.50	1.279	-	-	0.11	0.152	0.194
	LTE Band 5	10M	QPSK	25	0	-	Back	15mm	Ant 0	DSI 4	Full	20525	836.5	23.43	24.50	1.279	-	-	-0.14	0.172	0.220
	LTE Band 26	15M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 4	Full	26865	831.5	24.04	25.50	1.400	-	-	-0.13	0.143	0.200
68	LTE Band 26	15M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 4	Full	26865	831.5	24.04	25.50	1.400	-	-	-0.01	0.241	**0.337**
	LTE Band 26	15M	QPSK	36	0	-	Front	15mm	Ant 1	DSI 4	Full	26865	831.5	23.12	24.50	1.374	-	-	0.07	0.118	0.162
	LTE Band 26	15M	QPSK	36	0	-	Back	15mm	Ant 1	DSI 4	Full	26865	831.5	23.12	24.50	1.374	-	-	0.08	0.211	0.290
	LTE Band 26	15M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 4	Full	26865	831.5	24.41	25.00	1.146	-	-	0.03	0.228	0.261
	LTE Band 26	15M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 4	Full	26865	831.5	24.41	25.00	1.146	-	-	-0.01	0.231	0.265
	LTE Band 26	15M	QPSK	36	0	-	Front	15mm	Ant 0	DSI 4	Full	26865	831.5	23.35	24.00	1.161	-	-	0.03	0.189	0.220
	LTE Band 26	15M	QPSK	36	0	-	Back	15mm	Ant 0	DSI 4	Full	26865	831.5	23.35	24.00	1.161	-	-	-0.14	0.198	0.230
	N5	20M	BPSK	1	1	DFT-15	Front	15mm	Ant 1	DSI 4	Full	167300	836.5	24.71	25.50	1.199	-	-	-0.06	0.163	0.196

69	N5	20M	BPSK	1	1	DFT-15	Back	15mm	Ant 1	DSI 4	Full	167300	836.5	24.71	25.50	1.199	-	-	-0.14	0.271	**0.325**
	N5	20M	BPSK	50	28	DFT-15	Front	15mm	Ant 1	DSI 4	Full	167300	836.5	24.66	25.50	1.213	-	-	-0.07	0.158	0.192
	N5	20M	BPSK	50	28	DFT-15	Back	15mm	Ant 1	DSI 4	Full	167300	836.5	24.66	25.50	1.213	-	-	0.02	0.266	0.323
	N5	20M	BPSK	1	1	DFT-15	Front	15mm	Ant 0	DSI 4	Full	167300	836.5	24.58	25.50	1.236	-	-	0.05	0.192	0.237
	N5	20M	BPSK	1	1	DFT-15	Back	15mm	Ant 0	DSI 4	Full	167300	836.5	24.58	25.50	1.236	-	-	0.12	0.202	0.250
	N5	20M	BPSK	50	28	DFT-15	Front	15mm	Ant 0	DSI 4	Full	167300	836.5	24.50	25.50	1.259	-	-	-0.06	0.202	0.254
	N5	20M	BPSK	50	28	DFT-15	Back	15mm	Ant 0	DSI 4	Full	167300	836.5	24.50	25.50	1.259	-	-	-0.12	0.228	0.287
1750MHz																					
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 1	DSI 4	Full	1413	1732.6	23.26	24.00	1.186	-	-	-0.08	0.355	0.421
70	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 1	DSI 4	Full	1413	1732.6	23.26	24.00	1.186	-	-	0.16	0.505	**0.599**
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 2	DSI 4	Full	1413	1732.6	24.39	25.00	1.151	-	-	0.11	0.402	0.463
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 2	DSI 4	Full	1413	1732.6	24.39	25.00	1.151	-	-	0.09	0.487	0.560
	LTE Band 4	20M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 4	Full	20175	1732.5	23.54	25.00	1.400	-	-	0.05	0.393	0.550
71	LTE Band 4	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 4	Full	20175	1732.5	23.54	25.00	1.400	-	-	-0.15	0.520	**0.728**
	LTE Band 4	20M	QPSK	50	0	-	Front	15mm	Ant 1	DSI 4	Full	20175	1732.5	22.60	24.00	1.380	-	-	0.07	0.332	0.458
	LTE Band 4	20M	QPSK	50	0	-	Back	15mm	Ant 1	DSI 4	Full	20175	1732.5	22.60	24.00	1.380	-	-	-0.08	0.439	0.606
	LTE Band 4	20M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 4	Full	20175	1732.5	22.69	24.00	1.352	-	-	-0.09	0.114	0.154
	LTE Band 4	20M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 4	Full	20175	1732.5	22.69	24.00	1.352	-	-	-0.01	0.172	0.233
	LTE Band 4	20M	QPSK	50	0	-	Front	15mm	Ant 0	DSI 4	Full	20175	1732.5	21.47	23.00	1.422	-	-	-0.06	0.090	0.128
	LTE Band 4	20M	QPSK	50	0	-	Back	15mm	Ant 0	DSI 4	Full	20175	1732.5	21.47	23.00	1.422	-	-	-0.02	0.138	0.196
	LTE Band 4	20M	QPSK	1	0	-	Front	15mm	Ant 3	DSI 4	Full	20175	1732.5	23.66	25.00	1.361	-	-	-0.14	0.200	0.272
	LTE Band 4	20M	QPSK	1	0	-	Back	15mm	Ant 3	DSI 4	Full	20175	1732.5	23.66	25.00	1.361	-	-	-0.09	0.216	0.294
	LTE Band 4	20M	QPSK	50	0	-	Front	15mm	Ant 3	DSI 4	Full	20175	1732.5	22.53	24.00	1.403	-	-	0.04	0.182	0.255
	LTE Band 4	20M	QPSK	50	0	-	Back	15mm	Ant 3	DSI 4	Full	20175	1732.5	22.53	24.00	1.403	-	-	0.16	0.193	0.271
	LTE Band 4	20M	QPSK	1	0	-	Front	15mm	Ant 2	DSI 4	Full	20175	1732.5	24.63	25.50	1.222	-	-	0.01	0.382	0.467
	LTE Band 4	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 4	Full	20175	1732.5	24.63	25.50	1.222	-	-	0.02	0.513	0.627
	LTE Band 4	20M	QPSK	50	0	-	Front	15mm	Ant 2	DSI 4	Full	20175	1732.5	23.60	24.50	1.230	-	-	-0.07	0.310	0.381
	LTE Band 4	20M	QPSK	50	0	-	Back	15mm	Ant 2	DSI 4	Full	20175	1732.5	23.60	24.50	1.230	-	-	0.11	0.419	0.515
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 4	Full	132322	1745	22.75	24.00	1.334	-	-	-0.08	0.270	0.360
72	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 4	Full	132322	1745	22.75	24.00	1.334	-	-	-0.07	0.428	**0.571**
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 1	DSI 4	Full	132322	1745	21.71	23.00	1.346	-	-	-0.11	0.214	0.288
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 1	DSI 4	Full	132322	1745	21.71	23.00	1.346	-	-	-0.01	0.345	0.464
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 4	Full	132322	1745	21.58	23.00	1.387	-	-	-0.14	0.094	0.130
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 4	Full	132322	1745	21.58	23.00	1.387	-	-	0.12	0.143	0.198
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 0	DSI 4	Full	132322	1745	20.60	22.00	1.380	-	-	0.12	0.071	0.098
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 0	DSI 4	Full	132322	1745	20.60	22.00	1.380	-	-	0.16	0.114	0.157
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 3	DSI 4	Full	132322	1745	23.04	24.50	1.400	-	-	0.04	0.160	0.224
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 3	DSI 4	Full	132322	1745	23.04	24.50	1.400	-	-	0.09	0.206	0.288
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 3	DSI 4	Full	132322	1745	22.15	23.50	1.365	-	-	0.15	0.130	0.177
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 3	DSI 4	Full	132322	1745	22.15	23.50	1.365	-	-	0.04	0.169	0.231
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 2	DSI 4	Full	132322	1745	23.54	24.50	1.247	-	-	-0.05	0.321	0.400
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 4	Full	132322	1745	23.54	24.50	1.247	-	-	-0.08	0.435	0.543
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 2	DSI 4	Full	132322	1745	22.62	23.50	1.225	-	-	-0.11	0.260	0.318
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 2	DSI 4	Full	132322	1745	22.62	23.50	1.225	-	-	0.09	0.355	0.435
	N66	40M	BPSK	1	1	DFT-15	Front	15mm	Ant 1	DSI 4	Full	349000	1745	22.46	24.00	1.426	-	-	0.13	0.253	0.361
	N66	40M	BPSK	1	1	DFT-15	Back	15mm	Ant 1	DSI 4	Full	349000	1745	22.46	24.00	1.426	-	-	-0.16	0.429	0.612
	N66	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 1	DSI 4	Full	349000	1745	22.41	24.00	1.442	-	-	-0.15	0.258	0.372
73	N66	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 1	DSI 4	Full	349000	1745	22.41	24.00	1.442	-	-	-0.11	0.439	**0.633**
	N66	40M	BPSK	1	1	DFT-15	Front	15mm	Ant 0	DSI 4	Full	349000	1745	21.66	23.00	1.361	-	-	0.15	0.080	0.109
	N66	40M	BPSK	1	1	DFT-15	Back	15mm	Ant 0	DSI 4	Full	349000	1745	21.66	23.00	1.361	-	-	0.15	0.117	0.159
	N66	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 0	DSI 4	Full	349000	1745	21.63	23.00	1.371	-	-	0.13	0.089	0.122
	N66	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 0	DSI 4	Full	349000	1745	21.63	23.00	1.371	-	-	0.11	0.119	0.163
	N66	40M	BPSK	1	1	DFT-15	Front	15mm	Ant 3	DSI 4	Full	349000	1745	23.06	24.50	1.393	-	-	0.12	0.154	0.215
	N66	40M	BPSK	1	1	DFT-15	Back	15mm	Ant 3	DSI 4	Full	349000	1745	23.06	24.50	1.393	-	-	0.13	0.182	0.254
	N66	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 3	DSI 4	Full	349000	1745	23.02	24.50	1.406	-	-	-0.15	0.157	0.221
	N66	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 3	DSI 4	Full	349000	1745	23.02	24.50	1.406	-	-	0.06	0.195	0.274

	N66	40M	BPSK	1	1	DFT-15	Front	15mm	Ant 2	DSI 4	Full	349000	1745	23.81	24.50	1.172	-	-	-0.09	0.314	0.368
	N66	40M	BPSK	1	1	DFT-15	Back	15mm	Ant 2	DSI 4	Full	349000	1745	23.81	24.50	1.172	-	-	0.16	0.407	0.477
	N66	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 2	DSI 4	Full	349000	1745	23.79	24.50	1.178	-	-	0.11	0.324	0.382
	N66	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 2	DSI 4	Full	349000	1745	23.79	24.50	1.178	-	-	0.11	0.416	0.490
1900MHz																					
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Front	15mm	Ant 1	DSI 4	Full	661	1880	22.69	23.50	1.205	-	-	-0.06	0.157	0.189
74	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Back	15mm	Ant 1	DSI 4	Full	661	1880	22.69	23.50	1.205	-	-	0.16	0.233	**0.281**
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Front	15mm	Ant 2	DSI 4	Full	661	1880	24.69	25.00	1.074	-	-	-0.12	0.111	0.119
	GSM1900	-	-	-	-	GPRS(4 Tx slots)	Back	15mm	Ant 2	DSI 4	Full	661	1880	24.69	25.00	1.074	-	-	0.02	0.139	0.149
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 1	DSI 4	Reduced	9400	1880	22.79	23.50	1.178	-	-	0.15	0.310	0.365
75	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 1	DSI 4	Reduced	9400	1880	22.79	23.50	1.178	-	-	-0.03	0.635	**0.748**
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 2	DSI 4	Full	9400	1880	24.67	25.00	1.079	-	-	0.09	0.367	0.396
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 2	DSI 4	Full	9400	1880	24.67	25.00	1.079	-	-	0.15	0.384	0.414
	LTE Band 2	20M	QPSK	1	0	-	Front	15mm	Ant 3	DSI 4	Full	18900	1880	24.26	25.50	1.330	-	-	0.09	0.191	0.254
	LTE Band 2	20M	QPSK	1	0	-	Back	15mm	Ant 3	DSI 4	Full	18900	1880	24.26	25.50	1.330	-	-	0.01	0.285	0.379
	LTE Band 2	20M	QPSK	50	0	-	Front	15mm	Ant 3	DSI 4	Full	18900	1880	23.34	24.50	1.306	-	-	0.09	0.176	0.230
	LTE Band 2	20M	QPSK	50	0	-	Back	15mm	Ant 3	DSI 4	Full	18900	1880	23.34	24.50	1.306	-	-	0.05	0.261	0.341
	LTE Band 2	20M	QPSK	1	0	-	Front	15mm	Ant 2	DSI 4	Full	18900	1880	24.48	25.50	1.265	-	-	-0.09	0.292	0.369
76	LTE Band 2	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 4	Full	18900	1880	24.48	25.50	1.265	-	-	0.01	0.371	**0.469**
	LTE Band 2	20M	QPSK	50	0	-	Front	15mm	Ant 2	DSI 4	Full	18900	1880	23.27	24.50	1.327	-	-	-0.07	0.233	0.309
	LTE Band 2	20M	QPSK	50	0	-	Back	15mm	Ant 2	DSI 4	Full	18900	1880	23.27	24.50	1.327	-	-	0.03	0.280	0.372
	LTE Band 25	20M	QPSK	1	0	-	Front	15mm	Ant 3	DSI 4	Full	26340	1880	24.08	25.50	1.387	-	-	0.08	0.180	0.250
	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 3	DSI 4	Full	26340	1880	24.08	25.50	1.387	-	-	0.12	0.256	0.355
	LTE Band 25	20M	QPSK	50	0	-	Front	15mm	Ant 3	DSI 4	Full	26340	1880	23.13	24.50	1.371	-	-	-0.05	0.156	0.214
	LTE Band 25	20M	QPSK	50	0	-	Back	15mm	Ant 3	DSI 4	Full	26340	1880	23.13	24.50	1.371	-	-	-0.08	0.219	0.300
	LTE Band 25	20M	QPSK	1	0	-	Front	15mm	Ant 2	DSI 4	Full	26340	1880	24.50	25.50	1.259	-	-	0.13	0.295	0.371
77	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 4	Full	26340	1880	24.50	25.50	1.259	-	-	0.02	0.406	**0.511**
	LTE Band 25	20M	QPSK	50	0	-	Front	15mm	Ant 2	DSI 4	Full	26340	1880	23.35	24.50	1.303	-	-	-0.1	0.237	0.309
	LTE Band 25	20M	QPSK	50	0	-	Back	15mm	Ant 2	DSI 4	Full	26340	1880	23.35	24.50	1.303	-	-	-0.15	0.337	0.439
2600MHz																					
	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 4	Full	21100	2535	22.86	24.00	1.300	-	-	-0.11	0.236	0.307
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 4	Full	21100	2535	22.86	24.00	1.300	-	-	0.03	0.309	0.402
	LTE Band 7C	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 4	Full	21100 +20902	2535 +2515.2	22.83	24.00	1.309	-	-	0.07	0.266	0.348
	LTE Band 7	20M	QPSK	50	0	-	Front	15mm	Ant 1	DSI 4	Full	21100	2535	21.95	23.00	1.274	-	-	-0.11	0.186	0.237
	LTE Band 7	20M	QPSK	50	0	-	Back	15mm	Ant 1	DSI 4	Full	21100	2535	21.95	23.00	1.274	-	-	-0.15	0.253	0.322
	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 4	Full	21100	2535	21.87	23.00	1.297	-	-	0.1	0.127	0.165
	LTE Band 7C	20M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 4	Full	21100 +20902	2535 +2515.2	21.85	23.00	1.303	-	-	-0.08	0.098	0.128
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 4	Full	21100	2535	21.87	23.00	1.297	-	-	0.08	0.112	0.145
	LTE Band 7	20M	QPSK	50	0	-	Front	15mm	Ant 0	DSI 4	Full	21100	2535	20.86	22.00	1.300	-	-	0.13	0.101	0.131
	LTE Band 7	20M	QPSK	50	0	-	Back	15mm	Ant 0	DSI 4	Full	21100	2535	20.86	22.00	1.300	-	-	0.06	0.090	0.117
	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 3	DSI 4	Full	21100	2535	24.30	25.20	1.230	-	-	-0.16	0.235	0.289
	LTE Band 7C	20M	QPSK	1	0	-	Front	15mm	Ant 3	DSI 4	Full	21100 +20902	2535 +2515.2	24.15	25.20	1.274	-	-	-0.09	0.203	0.259
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 3	DSI 4	Full	21100	2535	24.30	25.20	1.230	-	-	-0.15	0.219	0.269
	LTE Band 7	20M	QPSK	50	0	-	Front	15mm	Ant 3	DSI 4	Full	21100	2535	23.36	24.20	1.213	-	-	-0.15	0.182	0.221
	LTE Band 7	20M	QPSK	50	0	-	Back	15mm	Ant 3	DSI 4	Full	21100	2535	23.36	24.20	1.213	-	-	-0.15	0.176	0.214
	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 2	DSI 4	Full	21100	2535	24.73	25.50	1.194	-	-	-0.08	0.488	0.583
78	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 4	Full	21100	2535	24.73	25.50	1.194	-	-	0.02	0.497	**0.593**
	LTE Band 7C	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 4	Full	21100 +20902	2535 +2515.2	24.71	25.50	1.199	-	-	-0.02	0.426	0.511
	LTE Band 7	20M	QPSK	50	0	-	Front	15mm	Ant 2	DSI 4	Full	21100	2535	23.51	24.50	1.256	-	-	0.1	0.371	0.466
	LTE Band 7	20M	QPSK	50	0	-	Back	15mm	Ant 2	DSI 4	Full	21100	2535	23.51	24.50	1.256	-	-	0.12	0.373	0.468
	LTE Band 38	20M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 4	Full	38000	2595	22.98	24.00	1.265	62.9	1.006	0.12	0.095	0.121
	LTE Band 38	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 4	Full	38000	2595	22.98	24.00	1.265	62.9	1.006	-0.05	0.102	0.130
	LTE Band 38C	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 4	Full	37901 +38099	2585.1 +2604.9	22.78	24.00	1.324	62.9	1.006	-0.01	0.087	0.116
	LTE Band 38	20M	QPSK	50	0	-	Front	15mm	Ant 1	DSI 4	Full	38000	2595	21.72	23.00	1.343	62.9	1.006	0.1	0.071	0.096
	LTE Band 38	20M	QPSK	50	0	-	Back	15mm	Ant 1	DSI 4	Full	38000	2595	21.72	23.00	1.343	62.9	1.006	0.08	0.079	0.107

	LTE Band 38	20M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 4	Full	38000	2595	21.84	23.00	1.306	62.9	1.006	-0.08	0.090	0.118
	LTE Band 38C	20M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 4	Full	37901 +38099	2585.1 +2604.9	21.80	23.00	1.318	62.9	1.006	-0.11	0.079	0.105
	LTE Band 38	20M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 4	Full	38000	2595	21.84	23.00	1.306	62.9	1.006	0.11	0.065	0.085
	LTE Band 38	20M	QPSK	50	0	-	Front	15mm	Ant 0	DSI 4	Full	38000	2595	20.75	22.00	1.334	62.9	1.006	-0.08	0.080	0.107
	LTE Band 38	20M	QPSK	50	0	-	Back	15mm	Ant 0	DSI 4	Full	38000	2595	20.75	22.00	1.334	62.9	1.006	0.11	0.054	0.072
	LTE Band 38	20M	QPSK	1	0	-	Front	15mm	Ant 3	DSI 4	Full	38000	2595	24.62	25.70	1.282	62.9	1.006	-0.15	0.156	0.201
	LTE Band 38C	20M	QPSK	1	0	-	Front	15mm	Ant 3	DSI 4	Full	37901 +38099	2585.1 +2604.9	24.57	25.70	1.297	62.9	1.006	-0.01	0.133	0.174
	LTE Band 38	20M	QPSK	1	0	-	Back	15mm	Ant 3	DSI 4	Full	38000	2595	24.62	25.70	1.282	62.9	1.006	-0.04	0.136	0.175
	LTE Band 38	20M	QPSK	50	0	-	Front	15mm	Ant 3	DSI 4	Full	38000	2595	23.58	24.70	1.294	62.9	1.006	-0.13	0.123	0.160
	LTE Band 38	20M	QPSK	50	0	-	Back	15mm	Ant 3	DSI 4	Full	38000	2595	23.58	24.70	1.294	62.9	1.006	-0.09	0.109	0.142
	LTE Band 38	20M	QPSK	1	0	-	Front	15mm	Ant 2	DSI 4	Full	38000	2595	24.45	25.50	1.274	62.9	1.006	-0.06	0.291	0.373
79	LTE Band 38	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 4	Full	38000	2595	24.45	25.50	1.274	62.9	1.006	0.02	0.324	**0.415**
	LTE Band 38C	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 4	Full	37901 +38099	2585.1 +2604.9	24.39	25.50	1.291	62.9	1.006	-0.01	0.177	0.230
	LTE Band 38	20M	QPSK	50	0	-	Front	15mm	Ant 2	DSI 4	Full	38000	2595	23.42	24.50	1.282	62.9	1.006	0.06	0.232	0.299
	LTE Band 38	20M	QPSK	50	0	-	Back	15mm	Ant 2	DSI 4	Full	38000	2595	23.42	24.50	1.282	62.9	1.006	0.16	0.304	0.392
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 4	Full	40620	2593	23.16	24.00	1.213	62.9	1.006	0.04	0.091	0.111
	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 4	Full	40620	2593	23.16	24.00	1.213	62.9	1.006	0.09	0.108	0.132
	LTE Band 41	20M	QPSK	50	0	-	Front	15mm	Ant 1	DSI 4	Full	40620	2593	22.14	23.00	1.219	62.9	1.006	-0.16	0.071	0.087
	LTE Band 41	20M	QPSK	50	0	-	Back	15mm	Ant 1	DSI 4	Full	40620	2593	22.14	23.00	1.219	62.9	1.006	0.1	0.080	0.098
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 4	Full	40620	2593	21.98	23.00	1.265	62.9	1.006	-0.15	0.077	0.098
	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 4	Full	40620	2593	21.98	23.00	1.265	62.9	1.006	-0.15	0.064	0.081
	LTE Band 41	20M	QPSK	50	0	-	Front	15mm	Ant 0	DSI 4	Full	40620	2593	20.87	22.00	1.297	62.9	1.006	0.13	0.065	0.085
	LTE Band 41	20M	QPSK	50	0	-	Back	15mm	Ant 0	DSI 4	Full	40620	2593	20.87	22.00	1.297	62.9	1.006	0.13	0.051	0.067
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 3	DSI 4	Full	40620	2593	24.31	25.50	1.315	62.9	1.006	-0.08	0.143	0.189
	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 3	DSI 4	Full	40620	2593	24.31	25.50	1.315	62.9	1.006	-0.12	0.136	0.180
	LTE Band 41	20M	QPSK	50	0	-	Front	15mm	Ant 3	DSI 4	Full	40620	2593	23.24	24.50	1.337	62.9	1.006	0.15	0.119	0.160
	LTE Band 41	20M	QPSK	50	0	-	Back	15mm	Ant 3	DSI 4	Full	40620	2593	23.24	24.50	1.337	62.9	1.006	0.16	0.107	0.144
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 2	DSI 4	Full	40620	2593	24.56	25.50	1.242	62.9	1.006	-0.04	0.282	0.352
80	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 4	Full	40620	2593	24.56	25.50	1.242	62.9	1.006	0.08	0.309	**0.386**
	LTE Band 41	20M	QPSK	50	0	-	Front	15mm	Ant 2	DSI 4	Full	40620	2593	23.47	24.50	1.268	62.9	1.006	0.02	0.201	0.256
	LTE Band 41	20M	QPSK	50	0	-	Back	15mm	Ant 2	DSI 4	Full	40620	2593	23.47	24.50	1.268	62.9	1.006	-0.13	0.238	0.304
	N7	40M	BPSK	1	1	DFT-15	Front	15mm	Ant 1	DSI 4	Full	507000	2535	22.33	24.00	1.469	-	-	0.02	0.196	0.288
	N7	40M	BPSK	1	1	DFT-15	Back	15mm	Ant 1	DSI 4	Full	507000	2535	22.33	24.00	1.469	-	-	0.02	0.330	0.485
	N7	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 1	DSI 4	Full	507000	2535	22.17	24.00	1.524	-	-	-0.09	0.180	0.274
	N7	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 1	DSI 4	Full	507000	2535	22.17	24.00	1.524	-	-	0.02	0.311	0.474
	N7	40M	BPSK	1	1	DFT-15	Front	15mm	Ant 0	DSI 4	Full	507000	2535	21.80	23.00	1.318	-	-	0.02	0.085	0.112
	N7	40M	BPSK	1	1	DFT-15	Back	15mm	Ant 0	DSI 4	Full	507000	2535	21.80	23.00	1.318	-	-	-0.08	0.071	0.094
	N7	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 0	DSI 4	Full	507000	2535	21.73	23.00	1.340	-	-	0.04	0.081	0.109
	N7	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 0	DSI 4	Full	507000	2535	21.73	23.00	1.340	-	-	-0.1	0.067	0.090
	N7	40M	BPSK	1	1	DFT-15	Front	15mm	Ant 3	DSI 4	Full	507000	2535	24.86	25.20	1.081	-	-	0.06	0.267	0.289
	N7	40M	BPSK	1	1	DFT-15	Back	15mm	Ant 3	DSI 4	Full	507000	2535	24.86	25.20	1.081	-	-	0.12	0.223	0.241
	N7	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 3	DSI 4	Full	507000	2535	24.69	25.20	1.125	-	-	0.01	0.270	0.304
	N7	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 3	DSI 4	Full	507000	2535	24.69	25.20	1.125	-	-	0.08	0.234	0.263
	N7	40M	BPSK	1	1	DFT-15	Front	15mm	Ant 2	DSI 4	Full	507000	2535	24.33	25.50	1.309	-	-	-0.03	0.361	0.473
	N7	40M	BPSK	1	1	DFT-15	Back	15mm	Ant 2	DSI 4	Full	507000	2535	24.33	25.50	1.309	-	-	0.15	0.496	0.649
	N7	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 2	DSI 4	Full	507000	2535	24.27	25.50	1.327	-	-	0.13	0.364	0.483
81	N7	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 2	DSI 4	Full	507000	2535	24.27	25.50	1.327	-	-	0.13	0.510	**0.677**
	N38	40M	BPSK	1	1	DFT-30	Front	15mm	Ant 1	DSI 4	Full	519000	2595	22.80	24.00	1.318	-	-	0.03	0.175	0.231
	N38	40M	BPSK	1	1	DFT-30	Back	15mm	Ant 1	DSI 4	Full	519000	2595	22.80	24.00	1.318	-	-	0.15	0.257	0.339
	N38	40M	BPSK	50	28	DFT-30	Front	15mm	Ant 1	DSI 4	Full	519000	2595	22.55	24.00	1.396	-	-	-0.02	0.186	0.260
	N38	40M	BPSK	50	28	DFT-30	Back	15mm	Ant 1	DSI 4	Full	519000	2595	22.55	24.00	1.396	-	-	0.16	0.265	0.370
	N38	40M	BPSK	1	1	DFT-30	Front	15mm	Ant 0	DSI 4	Full	519000	2595	22.32	23.00	1.169	-	-	0.14	0.131	0.153
	N38	40M	BPSK	1	1	DFT-30	Back	15mm	Ant 0	DSI 4	Full	519000	2595	22.32	23.00	1.169	-	-	-0.12	0.115	0.134
	N38	40M	BPSK	50	28	DFT-30	Front	15mm	Ant 0	DSI 4	Full	519000	2595	22.08	23.00	1.236	-	-	-0.04	0.121	0.150
	N38	40M	BPSK	50	28	DFT-30	Back	15mm	Ant 0	DSI 4	Full	519000	2595	22.08	23.00	1.236	-	-	0.09	0.104	0.129
	N38	40M	BPSK	1	1	DFT-30	Front	15mm	Ant 3	DSI 4	Full	519000	2595	24.65	25.50	1.216	-	-	-0.14	0.248	0.302

	N38	40M	BPSK	1	1	DFT-30	Back	15mm	Ant 3	DSI 4	Full	519000	2595	24.65	25.50	1.216	-	-	-0.15	0.235	0.286
	N38	40M	BPSK	50	28	DFT-30	Front	15mm	Ant 3	DSI 4	Full	519000	2595	24.58	25.50	1.236	-	-	-0.06	0.241	0.298
	N38	40M	BPSK	50	28	DFT-30	Back	15mm	Ant 3	DSI 4	Full	519000	2595	24.58	25.50	1.236	-	-	-0.11	0.225	0.278
	N38	40M	BPSK	1	1	DFT-30	Front	15mm	Ant 2	DSI 4	Full	519000	2595	24.67	25.00	1.079	-	-	-0.08	0.354	0.382
82	N38	40M	BPSK	1	1	DFT-30	Back	15mm	Ant 2	DSI 4	Full	519000	2595	24.67	25.00	1.079	-	-	-0.06	0.483	**0.521**
	N38	40M	BPSK	50	28	DFT-30	Front	15mm	Ant 2	DSI 4	Full	519000	2595	24.45	25.00	1.135	-	-	0.09	0.329	0.373
	N38	40M	BPSK	50	28	DFT-30	Back	15mm	Ant 2	DSI 4	Full	519000	2595	24.45	25.00	1.135	-	-	-0.11	0.452	0.513
	N41	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 1	DSI 4	Full	518598	2592.99	22.63	23.50	1.222	-	-	0.12	0.181	0.221
	N41	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 1	DSI 4	Full	518598	2592.99	22.63	23.50	1.222	-	-	0.05	0.298	0.364
	N41	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 1	DSI 4	Full	518598	2592.99	22.34	23.50	1.306	-	-	0.1	0.152	0.199
	N41	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 1	DSI 4	Full	518598	2592.99	22.34	23.50	1.306	-	-	-0.01	0.239	0.312
	N41	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 0	DSI 4	Full	518598	2592.99	22.08	23.00	1.236	-	-	-0.16	0.106	0.131
	N41	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 0	DSI 4	Full	518598	2592.99	22.08	23.00	1.236	-	-	-0.16	0.077	0.095
	N41	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 0	DSI 4	Full	518598	2592.99	21.85	23.00	1.303	-	-	-0.13	0.121	0.158
	N41	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 0	DSI 4	Full	518598	2592.99	21.85	23.00	1.303	-	-	0.03	0.082	0.107
	N41	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 3	DSI 4	Full	518598	2592.99	24.54	25.50	1.247	-	-	0.15	0.251	0.313
	N41	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 3	DSI 4	Full	518598	2592.99	24.54	25.50	1.247	-	-	-0.03	0.232	0.289
	N41	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 3	DSI 4	Full	518598	2592.99	24.25	25.50	1.334	-	-	0.08	0.259	0.345
	N41	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 3	DSI 4	Full	518598	2592.99	24.25	25.50	1.334	-	-	-0.1	0.236	0.315
	N41	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 2	DSI 4	Full	518598	2592.99	24.25	25.00	1.189	-	-	0.09	0.363	0.431
83	N41	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 2	DSI 4	Full	518598	2592.99	24.25	25.00	1.189	-	-	-0.11	0.488	**0.580**
	N41	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 2	DSI 4	Full	518598	2592.99	24.17	25.00	1.211	-	-	-0.04	0.313	0.379
	N41	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 2	DSI 4	Full	518598	2592.99	24.17	25.00	1.211	-	-	0.02	0.435	0.527
3500-3900MHz																					
	LTE Band 42	20M	QPSK	1	0	-	Front	15mm	Ant 4	DSI 4	Full	42590	3500	23.00	24.50	1.413	62.9	1.006	-0.12	0.090	0.128
	LTE Band 42	20M	QPSK	1	0	-	Back	15mm	Ant 4	DSI 4	Full	42590	3500	23.00	24.50	1.413	62.9	1.006	0.14	0.122	0.173
	LTE Band 42	20M	QPSK	50	0	-	Front	15mm	Ant 4	DSI 4	Full	42590	3500	21.98	23.50	1.419	62.9	1.006	0.13	0.068	0.097
	LTE Band 42	20M	QPSK	50	0	-	Back	15mm	Ant 4	DSI 4	Full	42590	3500	21.98	23.50	1.419	62.9	1.006	0.08	0.101	0.144
	LTE Band 42	20M	QPSK	1	0	-	Front	15mm	Ant 5	DSI 4	Full	42590	3500	24.45	25.70	1.334	62.9	1.006	-0.12	0.154	0.207
	LTE Band 42	20M	QPSK	1	0	-	Back	15mm	Ant 5	DSI 4	Full	42590	3500	24.45	25.70	1.334	62.9	1.006	0.03	0.277	0.372
	LTE Band 42	20M	QPSK	50	0	-	Front	15mm	Ant 5	DSI 4	Full	42590	3500	23.42	24.70	1.343	62.9	1.006	0.13	0.125	0.169
	LTE Band 42	20M	QPSK	50	0	-	Back	15mm	Ant 5	DSI 4	Full	42590	3500	23.42	24.70	1.343	62.9	1.006	0.04	0.239	0.323
	LTE Band 42	20M	QPSK	1	0	-	Front	15mm	Ant 6	DSI 4	Reduced	42590	3500	22.78	23.50	1.180	62.9	1.006	0.15	0.159	0.189
	LTE Band 42	20M	QPSK	1	0	-	Back	15mm	Ant 6	DSI 4	Reduced	42590	3500	22.78	23.50	1.180	62.9	1.006	-0.12	0.147	0.175
	LTE Band 42	20M	QPSK	50	0	-	Front	15mm	Ant 6	DSI 4	Reduced	42590	3500	22.71	23.50	1.199	62.9	1.006	0.06	0.167	0.202
	LTE Band 42	20M	QPSK	50	0	-	Back	15mm	Ant 6	DSI 4	Reduced	42590	3500	22.71	23.50	1.199	62.9	1.006	0.01	0.150	0.181
	LTE Band 42	20M	QPSK	1	0	-	Front	15mm	Ant 7	DSI 4	Full	42590	3500	23.57	25.00	1.390	62.9	1.006	-0.08	0.023	0.032
84	LTE Band 42	20M	QPSK	1	0	-	Back	15mm	Ant 7	DSI 4	Full	42590	3500	23.57	25.00	1.390	62.9	1.006	-0.08	0.555	**0.776**
	LTE Band 42	20M	QPSK	50	0	-	Front	15mm	Ant 7	DSI 4	Full	42590	3500	22.50	24.00	1.413	62.9	1.006	-0.01	0.018	0.026
	LTE Band 42	20M	QPSK	50	0	-	Back	15mm	Ant 7	DSI 4	Full	42590	3500	22.50	24.00	1.413	62.9	1.006	0.05	0.444	0.631
	LTE Band 42	20M	QPSK	100	0	-	Back	15mm	Ant 7	DSI 4	Full	42590	3500	22.47	24.00	1.422	62.9	1.006	0.11	0.430	0.615
	LTE Band 48	20M	QPSK	1	0	-	Front	15mm	Ant 4	DSI 4	Full	55830	3609	22.62	24.00	1.374	62.9	1.006	-0.15	0.079	0.109
	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 4	DSI 4	Full	55830	3609	22.62	24.00	1.374	62.9	1.006	-0.15	0.104	0.144
	LTE Band 48	20M	QPSK	50	0	-	Front	15mm	Ant 4	DSI 4	Full	55830	3609	21.76	23.00	1.330	62.9	1.006	-0.07	0.069	0.092
	LTE Band 48	20M	QPSK	50	0	-	Back	15mm	Ant 4	DSI 4	Full	55830	3609	21.76	23.00	1.330	62.9	1.006	-0.09	0.081	0.108
	LTE Band 48	20M	QPSK	1	0	-	Front	15mm	Ant 5	DSI 4	Full	55830	3609	24.04	25.50	1.400	62.9	1.006	0.01	0.148	0.208
	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 5	DSI 4	Full	55830	3609	24.04	25.50	1.400	62.9	1.006	0.11	0.232	0.327
	LTE Band 48	20M	QPSK	50	0	-	Front	15mm	Ant 5	DSI 4	Full	55830	3609	22.96	24.50	1.426	62.9	1.006	0.06	0.123	0.176
	LTE Band 48	20M	QPSK	50	0	-	Back	15mm	Ant 5	DSI 4	Full	55830	3609	22.96	24.50	1.426	62.9	1.006	-0.14	0.196	0.281
	LTE Band 48	20M	QPSK	1	0	-	Front	15mm	Ant 6	DSI 4	Reduced	55830	3609	21.70	22.50	1.202	62.9	1.006	-0.11	0.149	0.180
	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 6	DSI 4	Reduced	55830	3609	21.70	22.50	1.202	62.9	1.006	-0.15	0.132	0.160
	LTE Band 48	20M	QPSK	50	0	-	Front	15mm	Ant 6	DSI 4	Reduced	55830	3609	21.68	22.50	1.208	62.9	1.006	0.1	0.153	0.186
	LTE Band 48	20M	QPSK	50	0	-	Back	15mm	Ant 6	DSI 4	Reduced	55830	3609	21.68	22.50	1.208	62.9	1.006	0.03	0.137	0.166
	LTE Band 48	20M	QPSK	1	0	-	Front	15mm	Ant 7	DSI 4	Full	55830	3609	23.22	24.50	1.343	62.9	1.006	-0.14	0.048	0.065
	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 7	DSI 4	Full	55830	3609	23.22	24.50	1.343	62.9	1.006	0.06	0.563	0.761
	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 7	DSI 4	Full	55340	3560	23.12	24.50	1.374	62.9	1.006	-0.07	0.495	0.684

	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 7	DSI 4	Full	56150	3641	23.09	24.50	1.384	62.9	1.006	-0.12	0.564	0.785
85	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 7	DSI 4	Full	56640	3690	23.03	24.50	1.403	62.9	1.006	-0.06	0.704	**0.994**
	LTE Band 48	20M	QPSK	50	0	-	Front	15mm	Ant 7	DSI 4	Full	55830	3609	22.22	23.50	1.343	62.9	1.006	0.08	0.039	0.053
	LTE Band 48	20M	QPSK	50	0	-	Back	15mm	Ant 7	DSI 4	Full	55830	3609	22.22	23.50	1.343	62.9	1.006	0.16	0.451	0.609
	LTE Band 48	20M	QPSK	50	0	-	Back	15mm	Ant 7	DSI 4	Full	55340	3560	22.03	23.50	1.403	62.9	1.006	-0.09	0.412	0.581
	LTE Band 48	20M	QPSK	50	0	-	Back	15mm	Ant 7	DSI 4	Full	56150	3641	21.98	23.50	1.419	62.9	1.006	0.12	0.456	0.651
	LTE Band 48	20M	QPSK	50	0	-	Back	15mm	Ant 7	DSI 4	Full	56640	3690	22.00	23.50	1.413	62.9	1.006	-0.1	0.632	0.898
	LTE Band 48	20M	QPSK	100	0	-	Back	15mm	Ant 7	DSI 4	Full	55830	3609	22.16	23.50	1.361	62.9	1.006	0.04	0.468	0.641
	N77	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 4	DSI 4	Full	633334	3500.01	24.48	25.50	1.265	-	-	0.08	0.197	0.249
	N77	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 4	DSI 4	Full	633334	3500.01	24.48	25.50	1.265	-	-	-0.01	0.389	0.492
	N77	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI 4	Full	633334	3500.01	24.45	25.50	1.274	-	-	-0.16	0.208	0.265
	N77	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI 4	Full	633334	3500.01	24.45	25.50	1.274	-	-	0.07	0.414	0.527
	N77	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 4	DSI 4	Full	656000	3840	23.91	25.50	1.442	-	-	-0.1	0.159	0.229
	N77	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 4	DSI 4	Full	656000	3840	23.91	25.50	1.442	-	-	0.08	0.208	0.300
	N77	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI 4	Full	656000	3840	23.79	25.50	1.483	-	-	-0.08	0.152	0.225
	N77	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI 4	Full	656000	3840	23.79	25.50	1.483	-	-	-0.01	0.186	0.276
	N77	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 5	DSI 4	Full	633334	3500.01	24.34	25.70	1.368	-	-	0.08	0.261	0.357
	N77	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 5	DSI 4	Full	633334	3500.01	24.34	25.70	1.368	-	-	0.16	0.489	0.669
	N77	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 5	DSI 4	Full	633334	3500.01	24.28	25.70	1.387	-	-	-0.06	0.251	0.348
	N77	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 5	DSI 4	Full	633334	3500.01	24.28	25.70	1.387	-	-	0.05	0.476	0.660
	N77	100M	BPSK	270	0	DFT-30	Back	15mm	Ant 5	DSI 4	Full	633334	3500.01	23.77	25.20	1.390	-	-	0.07	0.455	0.632
	N77	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 5	DSI 4	Full	656000	3840	24.03	25.70	1.469	-	-	-0.06	0.258	0.379
	N77	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 5	DSI 4	Full	656000	3840	24.03	25.70	1.469	-	-	-0.03	0.282	0.414
	N77	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 5	DSI 4	Full	656000	3840	23.97	25.70	1.489	-	-	0.01	0.232	0.346
	N77	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 5	DSI 4	Full	656000	3840	23.97	25.70	1.489	-	-	-0.11	0.258	0.384
	N77	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 6	DSI 4	Reduced	633334	3500.01	19.09	20.00	1.233	-	-	-0.03	0.084	0.104
	N77	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 6	DSI 4	Reduced	633334	3500.01	19.09	20.00	1.233	-	-	0.15	0.087	0.107
	N77	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 6	DSI 4	Reduced	633334	3500.01	19.04	20.00	1.247	-	-	-0.14	0.093	0.116
	N77	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI 4	Reduced	633334	3500.01	19.04	20.00	1.247	-	-	0.04	0.098	0.122
	N77	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 6	DSI 4	Reduced	656000	3840	18.60	20.00	1.380	-	-	0.12	0.152	0.210
	N77	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 6	DSI 4	Reduced	656000	3840	18.60	20.00	1.380	-	-	-0.11	0.216	0.298
	N77	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 6	DSI 4	Reduced	656000	3840	18.55	20.00	1.396	-	-	0.14	0.136	0.190
	N77	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI 4	Reduced	656000	3840	18.55	20.00	1.396	-	-	-0.06	0.185	0.258
	N77	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 7	DSI 4	Reduced	633334	3500.01	19.86	20.50	1.159	-	-	0.05	0.018	0.021
	N77	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 7	DSI 4	Reduced	633334	3500.01	19.86	20.50	1.159	-	-	-0.09	0.425	0.492
	N77	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 7	DSI 4	Reduced	633334	3500.01	19.77	20.50	1.183	-	-	-0.02	0.021	0.025
	N77	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 7	DSI 4	Reduced	633334	3500.01	19.77	20.50	1.183	-	-	-0.04	0.434	0.513
	N77	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 7	DSI 4	Reduced	656000	3840	19.05	20.50	1.396	-	-	0.05	0.041	0.057
	N77	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 7	DSI 4	Reduced	656000	3840	19.05	20.50	1.396	-	-	-0.02	0.671	0.937
	N77	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 7	DSI 4	Reduced	656000	3840	19.03	20.50	1.403	-	-	0.05	0.061	0.086
86	N77	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 7	DSI 4	Reduced	656000	3840	19.03	20.50	1.403	-	-	-0.08	0.699	**0.981**
	N77	100M	BPSK	270	0	DFT-30	Back	15mm	Ant 7	DSI 4	Reduced	656000	3840	19.02	20.50	1.406	-	-	-0.05	0.663	0.932
	N78	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 4	DSI 4	Full	633334	3500.01	24.69	26.50	1.517	-	-	0.01	0.198	0.300
	N78	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 4	DSI 4	Full	633334	3500.01	24.69	26.50	1.517	-	-	0.08	0.365	0.554
	N78	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI 4	Full	633334	3500.01	24.55	26.50	1.567	-	-	0.06	0.206	0.323
	N78	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI 4	Full	633334	3500.01	24.55	26.50	1.567	-	-	-0.11	0.398	0.624
	N78	100M	BPSK	270	0	DFT-30	Back	15mm	Ant 4	DSI 4	Full	633334	3500.01	24.07	26.00	1.560	-	-	0.07	0.359	0.560
	N78	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 4	DSI 4	Full	650000	3750	24.59	26.50	1.552	-	-	-0.04	0.142	0.220
	N78	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 4	DSI 4	Full	650000	3750	24.59	26.50	1.552	-	-	0.12	0.177	0.275
	N78	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI 4	Full	650000	3750	24.58	26.50	1.556	-	-	-0.08	0.151	0.235
	N78	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI 4	Full	650000	3750	24.58	26.50	1.556	-	-	-0.15	0.187	0.291
	N78	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 5	DSI 4	Reduced	633334	3500.01	25.63	27.00	1.371	-	-	0.09	0.329	0.451
	N78	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 5	DSI 4	Reduced	633334	3500.01	25.63	27.00	1.371	-	-	0.02	0.527	0.722
	N78	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 5	DSI 4	Reduced	633334	3500.01	25.61	27.00	1.377	-	-	0.12	0.321	0.442
	N78	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 5	DSI 4	Reduced	633334	3500.01	25.61	27.00	1.377	-	-	-0.12	0.504	0.694
	N78	100M	BPSK	270	0	DFT-30	Back	15mm	Ant 5	DSI 4	Reduced	633334	3500.01	25.57	27.00	1.390	-	-	0.07	0.500	0.695

	N78	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 5	DSI 4	Reduced	650000	3750	25.68	27.00	1.355	-	-	-0.05	0.388	0.526
	N78	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 5	DSI 4	Reduced	650000	3750	25.68	27.00	1.355	-	-	-0.12	0.547	0.741
	N78	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 5	DSI 4	Reduced	650000	3750	25.57	27.00	1.390	-	-	0.11	0.330	0.459
	N78	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 5	DSI 4	Reduced	650000	3750	25.57	27.00	1.390	-	-	-0.16	0.461	0.641
	N78	100M	BPSK	270	0	DFT-30	Back	15mm	Ant 5	DSI 4	Reduced	650000	3750	25.51	27.00	1.409	-	-	-0.14	0.482	0.679
	N78	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 6	DSI 4	Reduced	633334	3500.01	19.54	20.50	1.247	-	-	0.11	0.098	0.122
	N78	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 6	DSI 4	Reduced	633334	3500.01	19.54	20.50	1.247	-	-	-0.12	0.100	0.125
	N78	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 6	DSI 4	Reduced	633334	3500.01	19.46	20.50	1.271	-	-	0.1	0.103	0.131
	N78	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI 4	Reduced	633334	3500.01	19.46	20.50	1.271	-	-	-0.09	0.105	0.133
	N78	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 6	DSI 4	Reduced	650000	3750	19.58	20.50	1.236	-	-	-0.08	0.185	0.229
	N78	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 6	DSI 4	Reduced	650000	3750	19.58	20.50	1.236	-	-	0.15	0.231	0.286
	N78	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 6	DSI 4	Reduced	650000	3750	19.52	20.50	1.253	-	-	0.1	0.187	0.234
	N78	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI 4	Reduced	650000	3750	19.52	20.50	1.253	-	-	-0.03	0.238	0.298
	N78	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 7	DSI 4	Reduced	633334	3500.01	21.12	22.50	1.374	-	-	0.16	0.026	0.036
	N78	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 7	DSI 4	Reduced	633334	3500.01	21.12	22.50	1.374	-	-	-0.03	0.417	0.573
	N78	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 7	DSI 4	Reduced	633334	3500.01	21.05	22.50	1.396	-	-	0.05	0.023	0.032
	N78	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 7	DSI 4	Reduced	633334	3500.01	21.05	22.50	1.396	-	-	0.07	0.406	0.567
	N78	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 7	DSI 4	Reduced	650000	3750	20.81	22.50	1.476	-	-	-0.11	0.033	0.049
87	N78	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 7	DSI 4	Reduced	650000	3750	20.81	22.50	1.476	-	-	-0.03	0.724	**1.068**
	N78	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 7	DSI 4	Reduced	650000	3750	20.76	22.50	1.493	-	-	0.11	0.029	0.043
	N78	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 7	DSI 4	Reduced	650000	3750	20.76	22.50	1.493	-	-	-0.12	0.668	0.997
	N78	100M	BPSK	270	0	DFT-30	Back	15mm	Ant 7	DSI 4	Reduced	650000	3750	20.67	22.50	1.524	-	-	0.06	0.653	0.995

DL CA / Inter-band CA & EN-DC LTE Main PA

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	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)
750MHz																					
	LTE Band 12_Main PA	10M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 4	Full	23095	707.5	24.18	25.50	1.355	-	-	0.13	0.170	0.230
	LTE Band 12_Main PA	10M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 4	Full	23095	707.5	24.18	25.50	1.355	-	-	-0.01	0.189	0.256
	LTE Band 12_Main PA	10M	QPSK	25	0	-	Front	15mm	Ant 1	DSI 4	Full	23095	707.5	23.17	24.50	1.358	-	-	-0.09	0.145	0.197
	LTE Band 12_Main PA	10M	QPSK	25	0	-	Back	15mm	Ant 1	DSI 4	Full	23095	707.5	23.17	24.50	1.358	-	-	-0.05	0.156	0.212
	LTE Band 12_Main PA	10M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 4	Full	23095	707.5	24.98	25.50	1.127	-	-	0.14	0.150	0.169
	LTE Band 12_Main PA	10M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 4	Full	23095	707.5	24.98	25.50	1.127	-	-	0.11	0.145	0.163
	LTE Band 12_Main PA	10M	QPSK	25	0	-	Front	15mm	Ant 0	DSI 4	Full	23095	707.5	23.97	24.50	1.130	-	-	-0.05	0.142	0.160
	LTE Band 12_Main PA	10M	QPSK	25	0	-	Back	15mm	Ant 0	DSI 4	Full	23095	707.5	23.97	24.50	1.130	-	-	-0.07	0.138	0.156
835MHz																					
	LTE Band 5_Main PA	10M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 4	Full	20525	836.5	24.21	26.00	1.510	-	-	-0.05	0.150	0.227
	LTE Band 5_Main PA	10M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 4	Full	20525	836.5	24.21	26.00	1.510	-	-	0.11	0.263	0.397
	LTE Band 5_Main PA	10M	QPSK	25	0	-	Front	15mm	Ant 1	DSI 4	Full	20525	836.5	23.28	25.00	1.486	-	-	0.05	0.121	0.180
	LTE Band 5_Main PA	10M	QPSK	25	0	-	Back	15mm	Ant 1	DSI 4	Full	20525	836.5	23.28	25.00	1.486	-	-	0.05	0.223	0.331
	LTE Band 5_Main PA	10M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 4	Full	20525	836.5	24.47	25.50	1.268	-	-	-0.16	0.162	0.205
	LTE Band 5_Main PA	10M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 4	Full	20525	836.5	24.47	25.50	1.268	-	-	0.12	0.185	0.235
	LTE Band 5_Main PA	10M	QPSK	25	0	-	Front	15mm	Ant 0	DSI 4	Full	20525	836.5	23.43	24.50	1.279	-	-	0.11	0.152	0.194
	LTE Band 5_Main PA	10M	QPSK	25	0	-	Back	15mm	Ant 0	DSI 4	Full	20525	836.5	23.43	24.50	1.279	-	-	-0.14	0.172	0.220
	N5_Main PA	20M	BPSK	1	1	DFT-15	Front	15mm	Ant 1	DSI 4	Full	167300	836.5	24.71	25.50	1.199	-	-	-0.06	0.163	0.196
	N5_Main PA	20M	BPSK	1	1	DFT-15	Back	15mm	Ant 1	DSI 4	Full	167300	836.5	24.71	25.50	1.199	-	-	-0.14	0.271	0.325
	N5_Main PA	20M	BPSK	50	28	DFT-15	Front	15mm	Ant 1	DSI 4	Full	167300	836.5	24.66	25.50	1.213	-	-	-0.07	0.158	0.192
	N5_Main PA	20M	BPSK	50	28	DFT-15	Back	15mm	Ant 1	DSI 4	Full	167300	836.5	24.66	25.50	1.213	-	-	0.02	0.266	0.323
	N5_Main PA	20M	BPSK	1	1	DFT-15	Front	15mm	Ant 0	DSI 4	Full	167300	836.5	24.58	25.50	1.236	-	-	0.05	0.192	0.237
	N5_Main PA	20M	BPSK	1	1	DFT-15	Back	15mm	Ant 0	DSI 4	Full	167300	836.5	24.58	25.50	1.236	-	-	0.12	0.202	0.250
	N5_Main PA	20M	BPSK	50	28	DFT-15	Front	15mm	Ant 0	DSI 4	Full	167300	836.5	24.50	25.50	1.259	-	-	-0.06	0.202	0.254
	N5_Main PA	20M	BPSK	50	28	DFT-15	Back	15mm	Ant 0	DSI 4	Full	167300	836.5	24.50	25.50	1.259	-	-	-0.12	0.228	0.287
1750MHz																					
	LTE Band 4_Main PA	20M	QPSK	1	0	-	Front	15mm	Ant 3	DSI 4	Full	20175	1732.5	23.66	25.00	1.361	-	-	-0.14	0.200	0.272
	LTE Band 4_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 3	DSI 4	Full	20175	1732.5	23.66	25.00	1.361	-	-	-0.09	0.216	0.294
	LTE Band 4_Main PA	20M	QPSK	50	0	-	Front	15mm	Ant 3	DSI 4	Full	20175	1732.5	22.53	24.00	1.403	-	-	0.04	0.182	0.255
	LTE Band 4_Main PA	20M	QPSK	50	0	-	Back	15mm	Ant 3	DSI 4	Full	20175	1732.5	22.53	24.00	1.403	-	-	0.16	0.193	0.271
	LTE Band 4_Main PA	20M	QPSK	1	0	-	Front	15mm	Ant 2	DSI 4	Reduced	20175	1732.5	23.66	24.50	1.213	-	-	0.09	0.303	0.368
	LTE Band 4_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 4	Reduced	20175	1732.5	23.66	24.50	1.213	-	-	-0.04	0.407	0.494
	LTE Band 4_Main PA	20M	QPSK	50	0	-	Front	15mm	Ant 2	DSI 4	Reduced	20175	1732.5	23.55	24.50	1.245	-	-	-0.16	0.284	0.353
	LTE Band 4_Main PA	20M	QPSK	50	0	-	Back	15mm	Ant 2	DSI 4	Reduced	20175	1732.5	23.55	24.50	1.245	-	-	0.12	0.389	0.484
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 4	Reduced	132322	1745	22.30	23.50	1.318	-	-	0.04	0.241	0.318
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 4	Reduced	132322	1745	22.30	23.50	1.318	-	-	0.12	0.386	0.509
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Front	15mm	Ant 1	DSI 4	Reduced	132322	1745	21.76	23.00	1.330	-	-	-0.01	0.203	0.270
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Back	15mm	Ant 1	DSI 4	Reduced	132322	1745	21.76	23.00	1.330	-	-	-0.07	0.323	0.430
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 4	Full	132322	1745	21.58	23.00	1.387	-	-	-0.14	0.094	0.130
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 4	Full	132322	1745	21.58	23.00	1.387	-	-	0.12	0.143	0.198
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Front	15mm	Ant 0	DSI 4	Full	132322	1745	20.60	22.00	1.380	-	-	0.12	0.071	0.098
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Back	15mm	Ant 0	DSI 4	Full	132322	1745	20.60	22.00	1.380	-	-	0.16	0.114	0.157
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Front	15mm	Ant 3	DSI 4	Full	132322	1745	23.04	24.50	1.400	-	-	0.04	0.160	0.224
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 3	DSI 4	Full	132322	1745	23.04	24.50	1.400	-	-	0.09	0.206	0.288
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Front	15mm	Ant 3	DSI 4	Full	132322	1745	22.15	23.50	1.365	-	-	0.15	0.130	0.177
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Back	15mm	Ant 3	DSI 4	Full	132322	1745	22.15	23.50	1.365	-	-	0.04	0.169	0.231
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Front	15mm	Ant 2	DSI 4	Full	132322	1745	23.54	24.50	1.247	-	-	-0.05	0.321	0.400
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 4	Full	132322	1745	23.54	24.50	1.247	-	-	-0.08	0.435	0.543
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Front	15mm	Ant 2	DSI 4	Full	132322	1745	22.62	23.50	1.225	-	-	-0.11	0.260	0.318
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Back	15mm	Ant 2	DSI 4	Full	132322	1745	22.62	23.50	1.225	-	-	0.09	0.355	0.435
	N66_Main PA	40M	BPSK	1	1	DFT-15	Front	15mm	Ant 3	DSI 4	Full	349000	1745	23.06	24.50	1.393	-	-	0.12	0.154	0.215
	N66_Main PA	40M	BPSK	1	1	DFT-15	Back	15mm	Ant 3	DSI 4	Full	349000	1745	23.06	24.50	1.393	-	-	0.13	0.182	0.254

	N66_Main PA	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 3	DSI 4	Full	349000	1745	23.02	24.50	1.406	-	-	-0.15	0.157	0.221
	N66_Main PA	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 3	DSI 4	Full	349000	1745	23.02	24.50	1.406	-	-	0.06	0.195	0.274
	N66_Main PA	40M	BPSK	1	1	DFT-15	Front	15mm	Ant 2	DSI 4	Full	349000	1745	23.81	24.50	1.172	-	-	-0.09	0.314	0.368
	N66_Main PA	40M	BPSK	1	1	DFT-15	Back	15mm	Ant 2	DSI 4	Full	349000	1745	23.81	24.50	1.172	-	-	0.16	0.407	0.477
	N66_Main PA	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 2	DSI 4	Full	349000	1745	23.79	24.50	1.178	-	-	0.11	0.324	0.382
	N66_Main PA	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 2	DSI 4	Full	349000	1745	23.79	24.50	1.178	-	-	0.11	0.416	0.490
1900MHz																					
	LTE Band 2_Main PA	20M	QPSK	1	0	-	Front	15mm	Ant 3	DSI 4	Full	18900	1880	24.26	25.50	1.330	-	-	0.09	0.191	0.254
	LTE Band 2_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 3	DSI 4	Full	18900	1880	24.26	25.50	1.330	-	-	0.01	0.285	0.379
	LTE Band 2_Main PA	20M	QPSK	50	0	-	Front	15mm	Ant 3	DSI 4	Full	18900	1880	23.34	24.50	1.306	-	-	0.09	0.176	0.230
	LTE Band 2_Main PA	20M	QPSK	50	0	-	Back	15mm	Ant 3	DSI 4	Full	18900	1880	23.34	24.50	1.306	-	-	0.05	0.261	0.341
	LTE Band 2_Main PA	20M	QPSK	1	0	-	Front	15mm	Ant 2	DSI 4	Full	18900	1880	24.48	25.50	1.265	-	-	-0.09	0.292	0.369
	LTE Band 2_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 4	Full	18900	1880	24.48	25.50	1.265	-	-	0.01	0.371	0.469
	LTE Band 2_Main PA	20M	QPSK	50	0	-	Front	15mm	Ant 2	DSI 4	Full	18900	1880	23.27	24.50	1.327	-	-	-0.07	0.233	0.309
	LTE Band 2_Main PA	20M	QPSK	50	0	-	Back	15mm	Ant 2	DSI 4	Full	18900	1880	23.27	24.50	1.327	-	-	0.03	0.280	0.372
2600MHz																					
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 4	Full	21100	2535	22.86	24.00	1.300	-	-	-0.11	0.236	0.307
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 4	Full	21100	2535	22.86	24.00	1.300	-	-	0.03	0.309	0.402
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Front	15mm	Ant 1	DSI 4	Full	21100	2535	21.95	23.00	1.274	-	-	-0.11	0.186	0.237
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Back	15mm	Ant 1	DSI 4	Full	21100	2535	21.95	23.00	1.274	-	-	-0.15	0.253	0.322
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 4	Full	21100	2535	21.87	23.00	1.297	-	-	0.1	0.127	0.165
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 4	Full	21100	2535	21.87	23.00	1.297	-	-	0.08	0.112	0.145
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Front	15mm	Ant 0	DSI 4	Full	21100	2535	20.86	22.00	1.300	-	-	0.13	0.101	0.131
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Back	15mm	Ant 0	DSI 4	Full	21100	2535	20.86	22.00	1.300	-	-	0.06	0.090	0.117
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Front	15mm	Ant 3	DSI 4	Full	21100	2535	24.30	25.20	1.230	-	-	-0.16	0.235	0.289
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 3	DSI 4	Full	21100	2535	24.30	25.20	1.230	-	-	-0.15	0.219	0.269
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Front	15mm	Ant 3	DSI 4	Full	21100	2535	23.36	24.20	1.213	-	-	-0.15	0.182	0.221
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Back	15mm	Ant 3	DSI 4	Full	21100	2535	23.36	24.20	1.213	-	-	-0.15	0.176	0.214
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Front	15mm	Ant 2	DSI 4	Reduced	21100	2535	24.22	25.00	1.197	-	-	0.16	0.435	0.521
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 4	Reduced	21100	2535	24.22	25.00	1.197	-	-	-0.11	0.443	0.530
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Front	15mm	Ant 2	DSI 4	Reduced	21100	2535	23.52	24.50	1.253	-	-	-0.11	0.352	0.441
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Back	15mm	Ant 2	DSI 4	Reduced	21100	2535	23.52	24.50	1.253	-	-	0.07	0.364	0.456
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 4	Full	38000	2595	22.98	24.00	1.265	62.9	1.006	0.12	0.095	0.121
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 4	Full	38000	2595	22.98	24.00	1.265	62.9	1.006	-0.05	0.102	0.130
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Front	15mm	Ant 1	DSI 4	Full	38000	2595	21.72	23.00	1.343	62.9	1.006	0.1	0.071	0.096
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Back	15mm	Ant 1	DSI 4	Full	38000	2595	21.72	23.00	1.343	62.9	1.006	0.08	0.079	0.107
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 4	Full	38000	2595	21.84	23.00	1.306	62.9	1.006	-0.08	0.090	0.118
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 4	Full	38000	2595	21.84	23.00	1.306	62.9	1.006	0.11	0.065	0.085
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Front	15mm	Ant 0	DSI 4	Full	38000	2595	20.75	22.00	1.334	62.9	1.006	-0.08	0.080	0.107
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Back	15mm	Ant 0	DSI 4	Full	38000	2595	20.75	22.00	1.334	62.9	1.006	0.11	0.054	0.072
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Front	15mm	Ant 3	DSI 4	Full	38000	2595	24.62	25.70	1.282	62.9	1.006	-0.15	0.156	0.201
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 3	DSI 4	Full	38000	2595	24.62	25.70	1.282	62.9	1.006	-0.04	0.136	0.175
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Front	15mm	Ant 3	DSI 4	Full	38000	2595	23.58	24.70	1.294	62.9	1.006	-0.13	0.123	0.160
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Back	15mm	Ant 3	DSI 4	Full	38000	2595	23.58	24.70	1.294	62.9	1.006	-0.09	0.109	0.142
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Front	15mm	Ant 2	DSI 4	Full	38000	2595	24.45	25.50	1.274	62.9	1.006	-0.06	0.291	0.373
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 4	Full	38000	2595	24.45	25.50	1.274	62.9	1.006	0.02	0.324	0.415
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Front	15mm	Ant 2	DSI 4	Full	38000	2595	23.42	24.50	1.282	62.9	1.006	0.06	0.232	0.299
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Back	15mm	Ant 2	DSI 4	Full	38000	2595	23.42	24.50	1.282	62.9	1.006	0.16	0.304	0.392
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 4	Full	40620	2593	23.16	24.00	1.213	62.9	1.006	0.04	0.091	0.111
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 4	Full	40620	2593	23.16	24.00	1.213	62.9	1.006	0.09	0.108	0.132
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Front	15mm	Ant 1	DSI 4	Full	40620	2593	22.14	23.00	1.219	62.9	1.006	-0.16	0.071	0.087
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Back	15mm	Ant 1	DSI 4	Full	40620	2593	22.14	23.00	1.219	62.9	1.006	0.1	0.080	0.098
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 4	Full	40620	2593	21.98	23.00	1.265	62.9	1.006	-0.15	0.077	0.098
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 4	Full	40620	2593	21.98	23.00	1.265	62.9	1.006	-0.15	0.064	0.081
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Front	15mm	Ant 0	DSI 4	Full	40620	2593	20.87	22.00	1.297	62.9	1.006	0.13	0.065	0.085
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Back	15mm	Ant 0	DSI 4	Full	40620	2593	20.87	22.00	1.297	62.9	1.006	0.13	0.051	0.067

	LTE Band 41_Main PA	20M	QPSK	1	0	-	Front	15mm	Ant 3	DSI 4	Full	40620	2593	24.31	25.50	1.315	62.9	1.006	-0.08	0.143	0.189
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 3	DSI 4	Full	40620	2593	24.31	25.50	1.315	62.9	1.006	-0.12	0.136	0.180
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Front	15mm	Ant 3	DSI 4	Full	40620	2593	23.24	24.50	1.337	62.9	1.006	0.15	0.119	0.160
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Back	15mm	Ant 3	DSI 4	Full	40620	2593	23.24	24.50	1.337	62.9	1.006	0.16	0.107	0.144
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Front	15mm	Ant 2	DSI 4	Full	40620	2593	24.56	25.50	1.242	62.9	1.006	-0.04	0.282	0.352
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 4	Full	40620	2593	24.56	25.50	1.242	62.9	1.006	0.08	0.309	0.386
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Front	15mm	Ant 2	DSI 4	Full	40620	2593	23.47	24.50	1.268	62.9	1.006	0.02	0.201	0.256
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Back	15mm	Ant 2	DSI 4	Full	40620	2593	23.47	24.50	1.268	62.9	1.006	-0.13	0.238	0.304
	N7_Main PA	40M	BPSK	1	1	DFT-15	Front	15mm	Ant 3	DSI 4	Full	507000	2535	24.86	25.20	1.081	-	-	0.06	0.267	0.289
	N7_Main PA	40M	BPSK	1	1	DFT-15	Back	15mm	Ant 3	DSI 4	Full	507000	2535	24.86	25.20	1.081	-	-	0.12	0.223	0.241
	N7_Main PA	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 3	DSI 4	Full	507000	2535	24.69	25.20	1.125	-	-	0.01	0.270	0.304
	N7_Main PA	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 3	DSI 4	Full	507000	2535	24.69	25.20	1.125	-	-	0.08	0.234	0.263
	N7_Main PA	40M	BPSK	1	1	DFT-15	Front	15mm	Ant 2	DSI 4	Reduced	507000	2535	23.87	24.50	1.156	-	-	-0.08	0.287	0.332
	N7_Main PA	40M	BPSK	1	1	DFT-15	Back	15mm	Ant 2	DSI 4	Reduced	507000	2535	23.87	24.50	1.156	-	-	-0.13	0.409	0.473
	N7_Main PA	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 2	DSI 4	Reduced	507000	2535	23.83	24.50	1.167	-	-	0.02	0.289	0.337
	N7_Main PA	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 2	DSI 4	Reduced	507000	2535	23.83	24.50	1.167	-	-	-0.12	0.433	0.505
	N38_Main PA	40M	BPSK	1	1	DFT-30	Front	15mm	Ant 3	DSI 4	Full	519000	2595	24.65	25.50	1.216	-	-	-0.14	0.248	0.302
	N38_Main PA	40M	BPSK	1	1	DFT-30	Back	15mm	Ant 3	DSI 4	Full	519000	2595	24.65	25.50	1.216	-	-	-0.15	0.235	0.286
	N38_Main PA	40M	BPSK	50	28	DFT-30	Front	15mm	Ant 3	DSI 4	Full	519000	2595	24.58	25.50	1.236	-	-	-0.06	0.241	0.298
	N38_Main PA	40M	BPSK	50	28	DFT-30	Back	15mm	Ant 3	DSI 4	Full	519000	2595	24.58	25.50	1.236	-	-	-0.11	0.225	0.278
	N38_Main PA	40M	BPSK	1	1	DFT-30	Front	15mm	Ant 2	DSI 4	Full	519000	2595	24.67	25.00	1.079	-	-	-0.08	0.354	0.382
	N38_Main PA	40M	BPSK	1	1	DFT-30	Back	15mm	Ant 2	DSI 4	Full	519000	2595	24.67	25.00	1.079	-	-	-0.06	0.483	0.521
	N38_Main PA	40M	BPSK	50	28	DFT-30	Front	15mm	Ant 2	DSI 4	Full	519000	2595	24.45	25.00	1.135	-	-	0.09	0.329	0.373
	N38_Main PA	40M	BPSK	50	28	DFT-30	Back	15mm	Ant 2	DSI 4	Full	519000	2595	24.45	25.00	1.135	-	-	-0.11	0.452	0.513
	N41_Main PA	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 3	DSI 4	Full	518598	2592.99	24.54	25.50	1.247	-	-	0.15	0.251	0.313
	N41_Main PA	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 3	DSI 4	Full	518598	2592.99	24.54	25.50	1.247	-	-	-0.03	0.232	0.289
	N41_Main PA	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 3	DSI 4	Full	518598	2592.99	24.25	25.50	1.334	-	-	0.08	0.259	0.345
	N41_Main PA	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 3	DSI 4	Full	518598	2592.99	24.25	25.50	1.334	-	-	-0.1	0.236	0.315
	N41_Main PA	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 2	DSI 4	Reduced	518598	2592.99	23.75	24.50	1.189	-	-	-0.15	0.324	0.385
	N41_Main PA	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 2	DSI 4	Reduced	518598	2592.99	23.75	24.50	1.189	-	-	-0.06	0.435	0.517
	N41_Main PA	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 2	DSI 4	Reduced	518598	2592.99	23.60	24.50	1.230	-	-	0.04	0.279	0.343
	N41_Main PA	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 2	DSI 4	Reduced	518598	2592.99	23.60	24.50	1.230	-	-	-0.07	0.388	0.477
3500-3900MHz																					
	N78_Main PA	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 4	DSI 4	Reduced	633334	3500.01	23.72	25.50	1.507	-	-	0.13	0.165	0.249
	N78_Main PA	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 4	DSI 4	Reduced	633334	3500.01	23.72	25.50	1.507	-	-	0.16	0.304	0.458
	N78_Main PA	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI 4	Reduced	633334	3500.01	23.60	25.50	1.549	-	-	0.03	0.171	0.265
	N78_Main PA	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI 4	Reduced	633334	3500.01	23.60	25.50	1.549	-	-	0.11	0.331	0.513
	N78_Main PA	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 4	DSI 4	Reduced	650000	3750	23.65	25.50	1.531	-	-	-0.07	0.118	0.181
	N78_Main PA	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 4	DSI 4	Reduced	650000	3750	23.65	25.50	1.531	-	-	0.14	0.147	0.225
	N78_Main PA	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI 4	Reduced	650000	3750	23.58	25.50	1.556	-	-	0.04	0.126	0.196
	N78_Main PA	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI 4	Reduced	650000	3750	23.58	25.50	1.556	-	-	-0.07	0.156	0.243
	N78_Main PA	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 5	DSI 4	Reduced	633334	3500.01	24.16	25.50	1.361	-	-	-0.04	0.233	0.317
	N78_Main PA	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 5	DSI 4	Reduced	633334	3500.01	24.16	25.50	1.361	-	-	-0.07	0.373	0.508
	N78_Main PA	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 5	DSI 4	Reduced	633334	3500.01	24.07	25.50	1.390	-	-	-0.12	0.227	0.316
	N78_Main PA	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 5	DSI 4	Reduced	633334	3500.01	24.07	25.50	1.390	-	-	0.15	0.357	0.496
	N78_Main PA	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 5	DSI 4	Reduced	650000	3750	24.20	25.50	1.349	-	-	-0.06	0.275	0.371
	N78_Main PA	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 5	DSI 4	Reduced	650000	3750	24.20	25.50	1.349	-	-	0.12	0.387	0.522
	N78_Main PA	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 5	DSI 4	Reduced	650000	3750	24.07	25.50	1.390	-	-	0.01	0.234	0.325
	N78_Main PA	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 5	DSI 4	Reduced	650000	3750	24.07	25.50	1.390	-	-	0.03	0.326	0.453
	N78_Main PA	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 6	DSI 4	Reduced	633334	3500.01	19.54	20.50	1.247	-	-	0.11	0.098	0.122
	N78_Main PA	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 6	DSI 4	Reduced	633334	3500.01	19.54	20.50	1.247	-	-	-0.12	0.100	0.125
	N78_Main PA	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 6	DSI 4	Reduced	633334	3500.01	19.46	20.50	1.271	-	-	0.1	0.103	0.131
	N78_Main PA	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI 4	Reduced	633334	3500.01	19.46	20.50	1.271	-	-	-0.09	0.105	0.133
	N78_Main PA	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 6	DSI 4	Reduced	650000	3750	19.58	20.50	1.236	-	-	-0.08	0.185	0.229
	N78_Main PA	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 6	DSI 4	Reduced	650000	3750	19.58	20.50	1.236	-	-	0.15	0.231	0.286
	N78_Main PA	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 6	DSI 4	Reduced	650000	3750	19.52	20.50	1.253	-	-	0.1	0.187	0.234

	N78_Main PA	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI 4	Reduced	650000	3750	19.52	20.50	1.253	-	-	-0.03	0.238	0.298
	N78_Main PA	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 7	DSI 4	Reduced	633334	3500.01	18.13	19.50	1.371	-	-	-0.13	0.013	0.018
	N78_Main PA	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 7	DSI 4	Reduced	633334	3500.01	18.13	19.50	1.371	-	-	0.01	0.209	0.287
	N78_Main PA	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 7	DSI 4	Reduced	633334	3500.01	18.05	19.50	1.396	-	-	0.09	0.012	0.017
	N78_Main PA	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 7	DSI 4	Reduced	633334	3500.01	18.05	19.50	1.396	-	-	0.02	0.203	0.283
	N78_Main PA	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 7	DSI 4	Reduced	650000	3750	17.82	19.50	1.472	-	-	0.03	0.017	0.025
	N78_Main PA	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 7	DSI 4	Reduced	650000	3750	17.82	19.50	1.472	-	-	0.15	0.363	0.534
	N78_Main PA	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 7	DSI 4	Reduced	650000	3750	17.73	19.50	1.503	-	-	-0.14	0.015	0.023
	N78_Main PA	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 7	DSI 4	Reduced	650000	3750	17.73	19.50	1.503	-	-	0.14	0.335	0.504

DL CA / Inter-Band CA & EN-DC LTE Other PA

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	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)
1750MHz																			
	LTE Band 4_Other PA	20M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 4	Reduced	20175	1732.5	22.67	23.50	1.211	0.06	0.274	0.332
	LTE Band 4_Other PA	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 4	Reduced	20175	1732.5	22.67	23.50	1.211	-0.05	0.442	0.535
	LTE Band 4_Other PA	20M	QPSK	50	0	-	Front	15mm	Ant 1	DSI 4	Reduced	20175	1732.5	22.54	23.50	1.247	-0.16	0.264	0.329
	LTE Band 4_Other PA	20M	QPSK	50	0	-	Back	15mm	Ant 1	DSI 4	Reduced	20175	1732.5	22.54	23.50	1.247	0.05	0.404	0.504
	LTE Band 4_Other PA	20M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 4	Full	20175	1732.5	23.03	24.50	1.403	0.12	0.111	0.156
	LTE Band 4_Other PA	20M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 4	Full	20175	1732.5	23.03	24.50	1.403	0.01	0.154	0.216
	LTE Band 4_Other PA	20M	QPSK	50	0	-	Front	15mm	Ant 0	DSI 4	Full	20175	1732.5	22.28	23.50	1.324	0.04	0.102	0.135
	LTE Band 4_Other PA	20M	QPSK	50	0	-	Back	15mm	Ant 0	DSI 4	Full	20175	1732.5	22.28	23.50	1.324	0.03	0.143	0.189
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 4	Reduced	132322	1745	21.60	22.50	1.230	-0.05	0.241	0.296
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 4	Reduced	132322	1745	21.60	22.50	1.230	-0.15	0.349	0.429
	LTE Band 66_Other PA	20M	QPSK	50	0	-	Front	15mm	Ant 1	DSI 4	Reduced	132322	1745	21.56	22.50	1.242	-0.12	0.233	0.289
	LTE Band 66_Other PA	20M	QPSK	50	0	-	Back	15mm	Ant 1	DSI 4	Reduced	132322	1745	21.56	22.50	1.242	-0.12	0.333	0.413
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 4	Full	132322	1745	22.14	23.50	1.368	-0.02	0.098	0.134
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 4	Full	132322	1745	22.14	23.50	1.368	0.03	0.137	0.187
	LTE Band 66_Other PA	20M	QPSK	50	0	-	Front	15mm	Ant 0	DSI 4	Full	132322	1745	21.31	22.50	1.315	0.06	0.087	0.114
	LTE Band 66_Other PA	20M	QPSK	50	0	-	Back	15mm	Ant 0	DSI 4	Full	132322	1745	21.31	22.50	1.315	0.16	0.125	0.164
	N66_Other PA	40M	BPSK	1	1	DFT-15	Front	15mm	Ant 1	DSI 4	Reduced	349000	1745	22.63	23.50	1.222	-0.08	0.287	0.351
	N66_Other PA	40M	BPSK	1	1	DFT-15	Back	15mm	Ant 1	DSI 4	Reduced	349000	1745	22.63	23.50	1.222	0.15	0.423	0.517
	N66_Other PA	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 1	DSI 4	Reduced	349000	1745	22.60	23.50	1.230	0.15	0.301	0.370
	N66_Other PA	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 1	DSI 4	Reduced	349000	1745	22.60	23.50	1.230	0.13	0.433	0.533
	N66_Other PA	40M	BPSK	1	1	DFT-15	Front	15mm	Ant 0	DSI 4	Full	349000	1745	22.28	23.50	1.324	0.04	0.092	0.122
	N66_Other PA	40M	BPSK	1	1	DFT-15	Back	15mm	Ant 0	DSI 4	Full	349000	1745	22.28	23.50	1.324	0.12	0.141	0.187
	N66_Other PA	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 0	DSI 4	Full	349000	1745	22.24	23.50	1.337	0.15	0.100	0.134
	N66_Other PA	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 0	DSI 4	Full	349000	1745	22.24	23.50	1.337	0.13	0.151	0.202
	N66_Other PA	40M	BPSK	1	1	DFT-15	Front	15mm	Ant 3	DSI 4	Full	349000	1745	21.13	22.50	1.371	0.13	0.087	0.119
	N66_Other PA	40M	BPSK	1	1	DFT-15	Back	15mm	Ant 3	DSI 4	Full	349000	1745	21.13	22.50	1.371	-0.14	0.090	0.123
	N66_Other PA	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 3	DSI 4	Full	349000	1745	21.08	22.50	1.387	0.01	0.089	0.123
	N66_Other PA	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 3	DSI 4	Full	349000	1745	21.08	22.50	1.387	0.12	0.107	0.148
	N66_Other PA	40M	BPSK	1	1	DFT-15	Front	15mm	Ant 2	DSI 4	Full	349000	1745	21.74	23.00	1.337	-0.16	0.188	0.251
	N66_Other PA	40M	BPSK	1	1	DFT-15	Back	15mm	Ant 2	DSI 4	Full	349000	1745	21.74	23.00	1.337	-0.1	0.239	0.319
	N66_Other PA	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 2	DSI 4	Full	349000	1745	21.67	23.00	1.358	0.09	0.200	0.272
	N66_Other PA	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 2	DSI 4	Full	349000	1745	21.67	23.00	1.358	0.1	0.262	0.356
2600MHz																			
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 4	Full	21100	2535	24.11	25.00	1.227	-0.01	0.272	0.334
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 4	Full	21100	2535	24.11	25.00	1.227	0.14	0.450	0.552
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Front	15mm	Ant 1	DSI 4	Full	21100	2535	23.51	24.50	1.256	-0.05	0.234	0.294
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Back	15mm	Ant 1	DSI 4	Full	21100	2535	23.51	24.50	1.256	-0.08	0.300	0.377
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 4	Full	21100	2535	22.67	24.00	1.358	0.04	0.132	0.179
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 4	Full	21100	2535	22.67	24.00	1.358	0.16	0.150	0.204
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Front	15mm	Ant 0	DSI 4	Full	21100	2535	22.25	23.50	1.334	0.13	0.115	0.153
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Back	15mm	Ant 0	DSI 4	Full	21100	2535	22.25	23.50	1.334	-0.1	0.134	0.179
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Front	15mm	Ant 3	DSI 4	Full	21100	2535	22.41	24.00	1.442	0.02	0.133	0.192

	LTE Band 7_Other PA	20M	QPSK	1	0	-	Back	15mm	Ant 3	DSI 4	Full	21100	2535	22.41	24.00	1.442	0.11	0.122	0.176
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Front	15mm	Ant 3	DSI 4	Full	21100	2535	21.38	23.00	1.452	-0.01	0.110	0.160
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Back	15mm	Ant 3	DSI 4	Full	21100	2535	21.38	23.00	1.452	-0.01	0.104	0.151
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Front	15mm	Ant 2	DSI 4	Full	21100	2535	22.08	23.50	1.387	-0.14	0.223	0.309
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 4	Full	21100	2535	22.08	23.50	1.387	-0.08	0.257	0.356
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Front	15mm	Ant 2	DSI 4	Full	21100	2535	21.59	23.00	1.384	0.13	0.185	0.256
	LTE Band 7_Other PA	20M	QPSK	50	0	-	Back	15mm	Ant 2	DSI 4	Full	21100	2535	21.59	23.00	1.384	-0.1	0.225	0.311

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	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)
2450MHz																
	Bluetooth	DH5 1Mbps	Front	15mm	Ant 16	Full	39	2441	16.36	18.00	1.459	77.1	1.297	-0.03	0.029	0.055
88	Bluetooth	DH5 1Mbps	Back	15mm	Ant 16	Full	39	2441	16.36	18.00	1.459	77.1	1.297	-0.05	0.042	**0.079**
	Bluetooth	DH5 1Mbps	Front	15mm	Ant 18	Full	39	2441	16.3	18.00	1.479	76.14	1.313	-0.12	0.039	0.076
	Bluetooth	DH5 1Mbps	Back	15mm	Ant 18	Full	39	2441	16.3	18.00	1.479	76.14	1.313	-0.04	0.038	0.073
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 16+18	Full	6	2437	22.54	23.50	1.247	100	1.000	-0.03	0.151	0.188
89	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 16+18	Full	6	2437	22.54	23.50	1.247	100	1.000	-0.04	0.203	**0.253**
5000MHz																
	WLAN5.3GHz	802.11a 6Mbps	Front	15mm	Ant 17+18	Full	64	5320	22.16	23.50	1.361	99.31	1.007	-0.14	0.225	0.308
90	WLAN5.3GHz	802.11a 6Mbps	Back	15mm	Ant 17+18	Full	64	5320	22.16	23.50	1.361	99.31	1.007	0.13	0.240	**0.329**
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 17+18	Simultaneous	50	5250	18.82	20.50	1.472	99.3	1.007	-0.11	0.117	0.173
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 17+18	Simultaneous	50	5250	18.82	20.50	1.472	99.3	1.007	0.02	0.123	0.182
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 17+18	Full	122	5610	20.19	21.50	1.352	99.12	1.009	0.15	0.149	0.203
91	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 17+18	Full	122	5610	20.19	21.50	1.352	99.12	1.009	-0.08	0.227	**0.310**
	WLAN5.5GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 17+18	Simultaneous	114	5570	17.91	19.00	1.285	99.3	1.007	0.11	0.120	0.155
	WLAN5.5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 17+18	Simultaneous	114	5570	17.91	19.00	1.285	99.3	1.007	0.04	0.131	0.170
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 17+18	Full	155	5775	19.67	21.50	1.524	99.12	1.009	0.05	0.195	0.300
92	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 17+18	Full	155	5775	19.67	21.50	1.524	99.12	1.009	-0.05	0.283	**0.435**
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 17+18	Simultaneous	155	5775	13.71	15.50	1.510	99.12	1.009	0.02	0.064	0.098
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 17+18	Simultaneous	155	5775	13.71	15.50	1.510	99.12	1.009	-0.04	0.081	0.123