



SAR TEST REPORT

Report No.: 20240117G01519X-W2
Product Name: VERTU IRONFLIP 5G digital mobile phone
Model Name: VTL-202302
Trade Name: VERTU
Brand Name: VERTU
FCC ID: 2A6IQ-VTL202302
Applicant: VERTU INTERNATIONAL CORPORATION LIMITED
Address: Chase Business Centre 39-41 Chase Side London England N14 5BP
Test Date: 2024/02/20~2024/04/18
Issued by: CCIC Southern Testing Co., Ltd.
Lab Location: Electronic Testing Building, No. 43 Shahe Road Xili Street, Nanshan District, Shenzhen, Guangdong 518055, China
Tel: 86 755 26627338
Mail: manager@ccic-set.com

This test report consists of 293 pages in total. It may be duplicated completely for legal use with the approval of the applicant. It should not be reproduced except in full, without the written approval of our laboratory. The client should not use it to claim product endorsement by CCIC-SET. The test results in the report only apply to the tested sample. The test report shall be invalid without all the signatures of testing engineers, reviewer and approver. Any objections must be raised to CCIC-SET within 15 days since the date when the report is received. It will not be taken into consideration beyond this limit.



Test Report

Applicant: VERTU INTERNATIONAL CORPORATION LIMITED

Applicant Address: Chase Business Centre 39-41 Chase Side London England N14 5BP

Manufacturer: Chengdu VERTU Business And ServiceManagement Co., Ltd

Manufacturer Address: Room 2308, 23rd Floor, Building 2, No. 1199, North Tianfu Avenue,
High-tech Zone, Chengdu, China (Sichuan) Pilot Free Trade Zone

47CFR §2.1093- Radiofrequency Radiation Exposure Evaluation:
Portable Devices;

Test Standards: **ANSI C95.1-1992:** Safety Levels with Respect to Human Exposure to
Radio Frequency Electromagnetic Fields, 3 kHz – 300 GHz.(IEEE Std
C95.1-1991)

IEEE 1528-2013: IEEE Recommended Practice for Determining the
Peak Spatial-Average Specific Absorption Rate (SAR) in the Human
Head from Wireless Communications Devices: Measurement
Techniques

Test Result: Pass

Tested by: Carl Wei 2024-04-19

Carl Wei, Test Engineer

Reviewed by: Chris You 2024-04-19

Chris You, Senior Engineer

Approved by: Yang Fan 2024-04-19

Yang Fan, Manager



Contents

Test Report	2
1. Administrative Data.....	4
2. Equipment Under Test (EUT).....	5
3. SAR Summary.....	7
4. Specific Absorption Rate (SAR).....	17
5. Tissue check and recommend Dielectric Parameters	21
6. SAR measurement procedure	29
7. Power reduction specification	30
8. Conducted RF Output Power	32
9. Antenna Location:.....	165
10. Scaling Factor calculation	171
11. Test Results	185
12. Simultaneous Transmissions Analysis	258
13. Measurement Uncertainty.....	288
14. System Check Uncertainty	290
15. Equipment List.....	292
ANNEX A: Appendix A: SAR System performance Check Plots.....	293
ANNEX B: Appendix B: SAR Measurement results Plots.....	293
ANNEX C: Appendix C: Calibration reports	293
ANNEX D: Appendix D: SAR Test Setup.....	293



1. Administrative Data

1.1 Testing Laboratory

Test Site:	CCIC Southern Testing Co., Ltd.
Address:	Electronic Testing Building, No. 43 Shahe Road Xili Street, Nanshan District, Shenzhen, Guangdong 518055, China
A2LA Lab Code:	CCIC-SET is a third party testing organization accredited by A2LA according to ISO/IEC 17025:2017. The accreditation certificate number is 5721.01
FCC Registration:	CCIC Southern Testing Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Designation Number: CN1283, valid time is until June.30, 2025.
ISED Registration:	CCIC Southern Testing Co., Ltd. EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 11185A-1 on Aug. 04, 2016, valid time is until June.30, 2025.
Test Environment Condition:	Temperature (°C): 18 °C ~25 °C Relative Humidity (%): 35%~75% RH Atmospheric Pressure (kPa): 86KPa-106KPa



2. Equipment Under Test (EUT)

Identification of the Equipment under Test

Device type :	portable device	
Exposure category:	uncontrolled environment / general population	
Product Name:	METAVERTU 2 5G digital mobile phone	
Brand Name:	VERTU	
Model Name:	VTL-202301	
Test Band(s):	GSM850/1900, CDMA BC0, WCDMA 850/1700/1900 LTE Band 2/4/5/7/12/17/41, UL_CA: 7C, 5G NR 5/41/77/78 ENDC- DC_5A_n78A, WIFI2.4G, WIFI5G, Bluetooth, NFC	
Test modulation:	GSM(GMSK,8PSK),UMTS(QPSK),LTE(QPSK/16QAM/64QAM), NR(QPSK, 16QAM, 64QAM, PI/2 BPSK, 256QAM), WI-FI 2.4G(DSSS, OFDM,OFDMA), WI-FI 5G(OFDM,OFDMA), Bluetooth(GFSK/ π /4-DQPSK/8-DPSK), NFC(ASK)	
IMEI:	867184070007004/867184070008259	
Device Class:	B, GPRS:12, EDGE:12	
Tested frequency range(s)	transmitter frequency range	receiver frequency range
GSM 850:	824-849 MHz	869-894 MHz
GSM 1900:	1850-1910 MHz	1930-1990 MHz
CDMA BC 0:	824.70-848.31 MHz	869.70-893.31 MHz
WCDMA Band 850:	824-849 MHz	869-894 MHz
WCDMA Band 1700:	1710-1755 MHz	2110-2155 MHz
WCDMA Band 1900:	1850-1910 MHz	1930-1990 MHz
LTE Band 2:	1850-1910 MHz	1930-1990 MHz
LTE Band 4:	1710-1755 MHz	2110-2155 MHz
LTE Band 5:	824-849 MHz	869-894 MHz
LTE Band 7:	2500-2570 MHz	2620-2690 MHz
LTE Band 12:	698-716 MHz	728-746 MHz
LTE Band 17:	704-716 MHz	734-746 MHz
LTE Band 41:	2496-2690 MHz	
NR Band 5:	824-849 MHz	869-894 MHz
NR Band 41:	2500-2690 MHz	
NR Band 77:	3450-3900 MHz	
NR Band 78:	3450-3800 MHz	
Wi-Fi:	2412-2462 MHz	
	5150-5250 MHz	
	5250-5350 MHz	
	5470-5725 MHz	
	5725-5850 MHz	
Bluetooth:	2402-2480 MHz	
NFC	13.56 MHz	
Hardware version :	P10	
Software version :	13.0.0_6.01.01.01	
Antenna type :	Internal antenna	



Hotspot :	WLAN support Hotspot mode(5G WLAN only for B1 & B4)
Battery options :	<p>Battery 1: Model No.: LI3910T45P8h383652 Rated Capacity:970mAh Nominal Capacity: 1020mAh Rated Voltage: 3.91V Charge Limit: 4.5V Manufacturer: Zhuhai CosMX Power JinWan Subsidiary Co., LTD</p> <p>Battery 2: Model No.: LI3932T45P8h675653 Rated Capacity:3210mAh Nominal Capacity: 3290mAh Rated Voltage: 3.91V Charge Limit: 4.5V Manufacturer: Zhuhai CosMX Power JinWan Subsidiary Co., LTD</p>
MAX. SAR Value:	<p>Head: 1.207 W/Kg(1g-0mm,Limit:1.6W/Kg) Unfold Body-worn : 1.188 W/Kg(1g-10mm,Limit:1.6W/Kg) Fold Body-worn : 1.141 W/Kg(1g-10mm,Limit:1.6W/Kg) Unfold Hotspot : 1.188 W/Kg(1g-10mm,Limit:1.6W/Kg) Fold Hotspot : 1.137 W/Kg(1g-10mm,Limit:1.6W/Kg)</p>

Note:

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
2. The NR band test under FTM mode
3. EUT is a folding screen mobile phone, and there are two batteries in one EUT. Battery 1 is the upper half battery of EUT, and Battery 2 is the lower half battery of EUT.
4. The WLAN of the EUT operates in both standalone transmission and simultaneous transmission modes, and the simultaneous transmission scenarios of the EUT's WLAN with WWAN have been clearly distinguished through software configuration. When the WLAN is in a simultaneous transmission scenario with WWAN, the power is pre-set to be lowered to meet the SAR (Specific Absorption Rate) requirements.



3. SAR Summary

Highest Standalone SAR Summary

Exposure Position	Frequency Band	Scaled 1g-SAR(W/kg)	Highest Scaled 1g-SAR(W/kg)
Head (0mm Gap)	GSM850 ANT 1	0.093	1.207
	GSM850 ANT 3	0.455	
	GSM1900 ANT 2	0.028	
	GSM1900 ANT 6	0.764	
	CDMA BC 0 ANT 1	0.113	
	CDMA BC 0 ANT 3	0.755	
	WCDMA 850 ANT 1	0.083	
	WCDMA 850 ANT 3	0.609	
	WCDMA 1700 ANT 2	0.038	
	WCDMA 1700 ANT 6	0.892	
	WCDMA 1900 ANT 2	0.038	
	WCDMA 1900 ANT 6	0.723	
	LTE Band 2 ANT 2	0.075	
	LTE Band 2 ANT 6	0.744	
	LTE Band 4 ANT 2	0.095	
	LTE Band 4 ANT 6	0.790	
	LTE Band 5 ANT 1	0.110	
	LTE Band 5 ANT 3	0.748	
	LTE Band 7 ANT 2	0.060	
	LTE Band 7 ANT 6	0.635	
	LTE Band 12 ANT 1	0.096	
	LTE Band 12 ANT 3	0.664	
	LTE Band 17 ANT 1	0.089	
	LTE Band 17 ANT 3	0.678	
	LTE Band 41 ANT 2	0.042	
	LTE Band 41 ANT 4	0.579	
	LTE Band 41 ANT 6	0.680	
	LTE Band 41 ANT 8	0.758	
	5G NR 5 ANT 1	0.099	
	5G NR 5 ANT 3	0.534	
	5G NR 41 ANT 2	0.022	
	5G NR 41 ANT 4	0.509	
	5G NR 41 ANT 6	0.780	
5G NR 41 ANT 8	0.758		
5G NR 77 ANT 5	0.723		
5G NR 77 ANT 7	0.662		
5G NR 77 ANT 8	0.241		
5G NR 77 ANT 10	0.038		



	5G NR 78 ANT 5	0.694	
	5G NR 78 ANT 7	0.665	
	5G NR 78 ANT 8	0.330	
	5G NR 78 ANT 10	0.038	
	WIFI 2.4G ANT 12	0.410	
	WIFI 2.4G ANT 13	0.716	
	WIFI 2.4G MIMO ANT 12+13	0.275	
	WIFI U-NII 1 ANT 11	0.455	
	WIFI U-NII 1 ANT 13	0.491	
	WIFI U-NII 1 MIMO ANT 11+13	0.525	
	WIFI U-NII 2A ANT 11	0.492	
	WIFI U-NII 2A ANT 13	0.601	
	WIFI U-NII 2A MIMO ANT 11+13	0.434	
	WIFI U-NII 2C ANT 11	0.739	
	WIFI U-NII 2C ANT 13	0.653	
	WIFI U-NII 2c MIMO ANT 11+13	0.628	
	WIFI U-NII 3 ANT 11	0.767	
	WIFI U-NII 3 ANT 13	1.207	
	WIFI U-NII 3 MIMO ANT 11+13	0.695	
	Bluetooth ANT 12	0.055	
	Bluetooth ANT 13	0.172	



Exposure Position	Frequency Band	Scaled 1g-SAR(W/kg)	Highest Scaled 1g-SAR(W/kg)
Unfold Body 10mm distance	GSM850 ANT 1	0.131	1.188
	GSM850 ANT 3	0.422	
	GSM1900 ANT 2	0.129	
	GSM1900 ANT 6	0.480	
	CDMA BC 0 ANT 1	0.148	
	CDMA BC 0 ANT 3	0.386	
	WCDMA 850 ANT 1	0.128	
	WCDMA 850 ANT 3	0.480	
	WCDMA 1700 ANT 2	0.289	
	WCDMA 1700 ANT 6	0.582	
	WCDMA 1900 ANT 2	0.259	
	WCDMA 1900 ANT 6	0.371	
	LTE Band 2 ANT 2	0.185	
	LTE Band 2 ANT 6	0.311	
	LTE Band 4 ANT 2	0.329	
	LTE Band 4 ANT 6	0.606	
	LTE Band 5 ANT 1	0.095	
	LTE Band 5 ANT 3	0.399	
	LTE Band 7 ANT 2	0.192	
	LTE Band 7 ANT 6	0.298	
	LTE Band 12 ANT 1	0.115	
	LTE Band 12 ANT 3	0.533	
	LTE Band 17 ANT 1	0.119	
	LTE Band 17 ANT 3	0.625	
	LTE Band 41 ANT 2	0.117	
	LTE Band 41 ANT 4	0.521	
	LTE Band 41 ANT 6	0.184	
	LTE Band 41 ANT 8	0.435	
	5G NR 5 ANT 1	0.139	
	5G NR 5 ANT 3	0.355	
	5G NR 41 ANT 2	0.116	
	5G NR 41 ANT 4	0.332	
	5G NR 41 ANT 6	0.097	
	5G NR 41 ANT 8	0.376	
	5G NR 77 ANT 5	0.268	
	5G NR 77 ANT 7	0.212	
5G NR 77 ANT 8	0.088		
5G NR 77 ANT 10	0.204		
5G NR 78 ANT 5	0.181		
5G NR 78 ANT 7	0.096		
5G NR 78 ANT 8	0.078		



	5G NR 78 ANT 10	0.197	
	WIFI 2.4G ANT 12	0.176	
	WIFI 2.4G ANT 13	0.431	
	WIFI 2.4G MIMO ANT 12+13	0.163	
	WIFI U-NII 1 ANT 11	0.384	
	WIFI U-NII 1 ANT 13	1.188	
	WIFI U-NII 1 MIMO ANT 11+13	0.882	
	WIFI U-NII 2A ANT 11	0.363	
	WIFI U-NII 2A ANT 13	1.141	
	WIFI U-NII 2A MIMO ANT 11+13	0.755	
	WIFI U-NII 2C ANT 11	0.591	
	WIFI U-NII 2C ANT 13	0.380	
	WIFI U-NII 2c MIMO ANT 11+13	0.475	
	WIFI U-NII 3 ANT 11	0.823	
	WIFI U-NII 3 ANT 13	0.314	
	WIFI U-NII 3 MIMO ANT 11+13	0.384	
	Bluetooth ANT 12	0.052	
	Bluetooth ANT 13	0.081	



Exposure Position	Frequency Band	Scaled 1g-SAR(W/kg)	Highest Scaled 1g-SAR(W/kg)
Fold Body 10mm distance	GSM850 ANT 1	0.043	1.141
	GSM850 ANT 3	0.236	
	GSM1900 ANT 2	0.033	
	GSM1900 ANT 6	0.064	
	CDMA BC 0 ANT 1	0.107	
	CDMA BC 0 ANT 3	0.229	
	WCDMA 850 ANT 1	0.052	
	WCDMA 850 ANT 3	0.344	
	WCDMA 1700 ANT 2	0.082	
	WCDMA 1700 ANT 6	0.150	
	WCDMA 1900 ANT 2	0.044	
	WCDMA 1900 ANT 6	0.108	
	LTE Band 2 ANT 2	0.047	
	LTE Band 2 ANT 6	0.084	
	LTE Band 4 ANT 2	0.124	
	LTE Band 4 ANT 6	0.093	
	LTE Band 5 ANT 1	0.096	
	LTE Band 5 ANT 3	0.222	
	LTE Band 7 ANT 2	0.200	
	LTE Band 7 ANT 6	0.134	
	LTE Band 12 ANT 1	0.093	
	LTE Band 12 ANT 3	0.136	
	LTE Band 17 ANT 1	0.088	
	LTE Band 17 ANT 3	0.133	
	LTE Band 41 ANT 2	0.083	
	LTE Band 41 ANT 4	0.313	
	LTE Band 41 ANT 6	0.109	
	LTE Band 41 ANT 8	0.162	
	5G NR 5 ANT 1	0.106	
	5G NR 5 ANT 3	0.135	
	5G NR 41 ANT 2	0.051	
	5G NR 41 ANT 4	0.111	
	5G NR 41 ANT 6	0.119	
	5G NR 41 ANT 8	0.123	
	5G NR 77 ANT 5	0.221	
	5G NR 77 ANT 7	0.091	
5G NR 77 ANT 8	0.077		
5G NR 77 ANT 10	0.157		
5G NR 78 ANT 5	0.231		
5G NR 78 ANT 7	0.061		
5G NR 78 ANT 8	0.073		



	5G NR 78 ANT 10	0.081	
	WIFI 2.4G ANT 12	0.098	
	WIFI 2.4G ANT 13	0.365	
	WIFI 2.4G MIMO ANT 12+13	0.118	
	WIFI U-NII 1 ANT 11	0.200	
	WIFI U-NII 1 ANT 13	1.137	
	WIFI U-NII 1 MIMO ANT 11+13	0.826	
	WIFI U-NII 2A ANT 11	0.228	
	WIFI U-NII 2A ANT 13	1.141	
	WIFI U-NII 2A MIMO ANT 11+13	0.608	
	WIFI U-NII 2C ANT 11	0.500	
	WIFI U-NII 2C ANT 13	0.321	
	WIFI U-NII 2c MIMO ANT 11+13	0.447	
	WIFI U-NII 3 ANT 11	0.709	
	WIFI U-NII 3 ANT 13	0.415	
	WIFI U-NII 3 MIMO ANT 11+13	0.452	
	Bluetooth ANT 12	0.031	
	Bluetooth ANT 13	0.054	



Exposure Position	Frequency Band	Scaled 1g-SAR(W/kg)	Highest Scaled 1g-SAR(W/kg)
Unfold Hotspot 10mm distance	GSM850 ANT 1	0.131	1.188
	GSM850 ANT 3	0.422	
	GSM1900 ANT 2	0.185	
	GSM1900 ANT 6	0.626	
	CDMA BC 0 ANT 1	0.148	
	CDMA BC 0 ANT 3	0.494	
	WCDMA 850 ANT 1	0.128	
	WCDMA 850 ANT 3	0.645	
	WCDMA 1700 ANT 2	0.369	
	WCDMA 1700 ANT 6	0.760	
	WCDMA 1900 ANT 2	0.276	
	WCDMA 1900 ANT 6	0.475	
	LTE Band 2 ANT 2	0.299	
	LTE Band 2 ANT 6	0.503	
	LTE Band 4 ANT 2	0.440	
	LTE Band 4 ANT 6	0.771	
	LTE Band 5 ANT 1	0.095	
	LTE Band 5 ANT 3	0.501	
	LTE Band 7 ANT 2	0.192	
	LTE Band 7 ANT 6	0.756	
	LTE Band 12 ANT 1	0.115	
	LTE Band 12 ANT 3	0.713	
	LTE Band 17 ANT 1	0.119	
	LTE Band 17 ANT 3	0.752	
	LTE Band 41 ANT 2	0.117	
	LTE Band 41 ANT 4	0.521	
	LTE Band 41 ANT 6	0.475	
	LTE Band 41 ANT 8	0.596	
	5G NR 5 ANT 1	0.139	
	5G NR 5 ANT 3	0.439	
	5G NR 41 ANT 2	0.116	
	5G NR 41 ANT 4	0.332	
	5G NR 41 ANT 6	0.259	
	5G NR 41 ANT 8	0.696	
5G NR 77 ANT 5	0.268		
5G NR 77 ANT 7	0.212		
5G NR 77 ANT 8	0.134		
5G NR 77 ANT 10	0.204		
5G NR 78 ANT 5	0.181		
5G NR 78 ANT 7	0.096		
5G NR 78 ANT 8	0.120		



	5G NR 78 ANT 10	0.197	
	WIFI 2.4G ANT 12	0.176	
	WIFI 2.4G ANT 13	0.431	
	WIFI 2.4G MIMO ANT 12+13	0.163	
	WIFI U-NII 1 ANT 11	0.384	
	WIFI U-NII 1 ANT 13	1.188	
	WIFI U-NII 1 MIMO ANT 11+13	0.882	
	WIFI U-NII 2c MIMO ANT 11+13	0.475	
	WIFI U-NII 3 ANT 11	0.823	
	WIFI U-NII 3 ANT 13	0.314	
	WIFI U-NII 3 MIMO ANT 11+13	0.384	



Exposure Position	Frequency Band	Scaled 1g-SAR(W/kg)	Highest Scaled 1g-SAR(W/kg)
Fold Hotspot 10mm distance	GSM850 ANT 1	0.100	1.137
	GSM850 ANT 3	0.316	
	GSM1900 ANT 2	0.067	
	GSM1900 ANT 6	0.280	
	CDMA BC 0 ANT 1	0.124	
	CDMA BC 0 ANT 3	0.344	
	WCDMA 850 ANT 1	0.094	
	WCDMA 850 ANT 3	0.511	
	WCDMA 1700 ANT 2	0.117	
	WCDMA 1700 ANT 6	0.594	
	WCDMA 1900 ANT 2	0.070	
	WCDMA 1900 ANT 6	0.405	
	LTE Band 2 ANT 2	0.079	
	LTE Band 2 ANT 6	0.390	
	LTE Band 4 ANT 2	0.172	
	LTE Band 4 ANT 6	0.371	
	LTE Band 5 ANT 1	0.108	
	LTE Band 5 ANT 3	0.314	
	LTE Band 7 ANT 2	0.200	
	LTE Band 7 ANT 6	0.177	
	LTE Band 12 ANT 1	0.108	
	LTE Band 12 ANT 3	0.171	
	LTE Band 17 ANT 1	0.104	
	LTE Band 17 ANT 3	0.199	
	LTE Band 41 ANT 2	0.083	
	LTE Band 41 ANT 4	0.313	
	LTE Band 41 ANT 6	0.152	
	LTE Band 41 ANT 8	0.410	
	5G NR 5 ANT 1	0.122	
	5G NR 5 ANT 3	0.239	
	5G NR 41 ANT 2	0.051	
	5G NR 41 ANT 4	0.111	
	5G NR 41 ANT 6	0.140	
	5G NR 41 ANT 8	0.390	
5G NR 77 ANT 5	0.221		
5G NR 77 ANT 7	0.091		
5G NR 77 ANT 8	0.101		
5G NR 77 ANT 10	0.157		
5G NR 78 ANT 5	0.231		
5G NR 78 ANT 7	0.061		
5G NR 78 ANT 8	0.098		



	5G NR 78 ANT 10	0.081	
	WIFI 2.4G ANT 12	0.098	
	WIFI 2.4G ANT 13	0.365	
	WIFI 2.4G MIMO ANT 12+13	0.118	
	WIFI U-NII 1 ANT 11	0.200	
	WIFI U-NII 1 ANT 13	1.137	
	WIFI U-NII 1 MIMO ANT 11+13	0.826	
	WIFI U-NII 3 ANT 11	0.709	
	WIFI U-NII 3 ANT 13	0.415	
	WIFI U-NII 3 MIMO ANT 11+13	0.452	

Highest Simultaneous SAR Summary

Exposure Position	Frequency Band	Highest Simultaneous 1g-SAR(W/kg)
Head-Right Tilted (0mmGap)	WWAN(CDMA BC 0 ANT 3)&WIFI	1.420

Note:

1. The SAR limit (Head & Body: SAR_{1g} 1.6 W/kg for general population uncontrolled exposure is specified in FCC 47 CFR part 2 (2.1093) and ANSI/IEEE C95.1-1992.

4. Specific Absorption Rate (SAR)

4.1 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.

The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density (ρ). The equation description is as below:

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

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

SAR measurement can be either related to the temperature elevation in tissue by

$$\text{SAR} = C \frac{\delta T}{\delta t}$$

where C is the specific heat capacity, δT is the temperature rise and δt the exposure duration, or related to the electrical field in the tissue by

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

where σ is the conductivity of the tissue, ρ is the mass density of the tissue and E is the rms electrical field strength.

However for evaluating SAR of low power transmitter, electrical field measurement is typically applied.



4.2 Applicable Standards and Limits

4.2.1 Applicable Standards

47CFR §2.1093	Radiofrequency Radiation Exposure Evaluation: Portable Devices
ANSI C95.1-1992	Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz – 300 GHz.(IEEE Std C95.1-1991)
IEEE 1528-2013	IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
KDB 248227 D01	v02r02 802.11 Wi-Fi SAR
KDB 447498 D01	v06 General RF Exposure Guidance
KDB 616217 D04	v01r02 SAR for laptop and tablets
KDB 648474 D04	v01r03 Handset SAR
KDB 865664 D01	v01r04 SAR Measurement 100MHz to 6GHz
KDB 865664 D02	v01r02 SAR Exposure Reporting
KDB 941225 D01	v03r01 3G SAR Procedures
KDB 941225 D05	v02r05 SAR for LTE Devices
KDB 941225 D05A	v01r02 LTE Rel.10 KDB Inquiry Sheet
KDB 941225 D06	v02r01 Hotspot Mode

4.2.2 RF exposure Limits

Human Exposure	Uncontrolled Environment General Population
Spatial Peak SAR* (Brain/Body)	1.60 mW/g
Spatial Average SAR** (Whole Body)	0.08 mW/g
Spatial Peak SAR*** (Limbs)	4.00 mW/g

The limit applied in this test report is shown in bold letters.

Notes:

* The Spatial Peak value of the SAR averaged over any 1 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time

** The Spatial Average value of the SAR averaged over the whole body.

*** The Spatial Peak value of the SAR averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

4.3 Phantoms

The phantom used for all tests i.e. for both system checks and device testing, was the twin-headed "SAM Phantom", manufactured by SATIMO. The SAM twin phantom is a fiberglass shell phantom with 2mm shell thickness (except the ear region, where shell thickness increases to 6mm).

System checking was performed using the flat section, whilst Head SAR tests used the left and right head profile sections. Body SAR testing also used the flat section between the head profiles.



SAM Twin Phantom

4.4 Device Holder

The device was placed in the device holder (illustrated below) that is supplied by SATIMO as an integral part of the COMOSAR test system.

The device holder is designed to cope with the different positions given in the standard. It has two scales for device rotation (with respect to the body axis) and device inclination (with respect to the line between the ear reference points). The rotation centers for both scales is the ear reference point (ERP). Thus the device needs no repositioning when changing the angles.



Device holder

4.5 Probe Specification

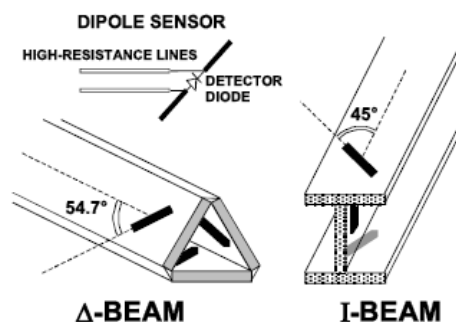


Construction	Symmetrical design with triangular core Interleaved sensors Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)
Calibration	ISO/IEC 17025 calibration service available.
Frequency	700 MHz to 3 GHz; Linearity: ± 0.5 dB (700 MHz to 3 GHz)
Directivity	± 0.25 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)
Dynamic Range	1.5 μ W/g to 100 mW/g; Linearity: ± 0.5 dB
Dimensions	Overall length: 330 mm (Tip: 20 mm) Tip diameter: 5 mm Distance from probe tip to dipole centers: <2.7 mm
Application	General dosimetry up to 3 GHz Dosimetry in strong gradient fields Compliance tests of mobile phones
Compatibility	COMOSAR

Isotropic E-Field Probe

The isotropic E-Field probe has been fully calibrated and assessed for isotropicity, and boundary effect within a controlled environment. Depending on the frequency for which the probe is calibrated the method utilized for calibration will change.

The E-Field probe utilizes a triangular sensor arrangement as detailed in the diagram below:





5. Tissue check and recommend Dielectric Parameters

5.1 Tissue Dielectric Parameters for Head and Body Phantoms

The head tissue dielectric parameters recommended by the IEEE SCC-34/SC-2 in P1528 have been incorporated in the following table. These head parameters are derived from planar layer models simulating the highest expected SAR for the dielectric properties and tissue thickness Power drifts in a human head. Other head and body tissue parameters that have not been specified in P1528 are derived from the tissue dielectric parameters computed from the 4-Cole-Cole equations described in Reference [12] and extrapolated according to the head parameters specified in P1528.

Table 1: Recommended Dielectric Performance of Tissue

Ingredients (% by weight)	Frequency (MHz)											
	450		835		915		1900		2450		2600	
Tissue Type	Head	Body	Head	Body	Head	Body	Head	Body	Head	Body	Head	Body
Water	38.56	51.16	41.46	52.4	41.05	56.0	54.9	40.4	62.7	73.2	55.24	64.49
Salt (NaCl)	3.95	1.49	1.45	1.4	1.35	0.76	0.18	0.5	0.5	0.04	0.5	0.024
Sugar	56.32	46.78	56.0	45.0	56.5	41.76	0.0	58.0	0.0	0.0	0.0	0.0
HEC	0.98	0.52	1.0	1.0	1.0	1.21	0.0	1.0	0.0	0.0	0.0	0.0
Bactericide	0.19	0.05	0.1	0.1	0.1	0.27	0.0	0.1	0.0	0.0	0.0	0.0
Triton x-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.8	0.0	44.45	32.25
DGBE	0.0	0.0	0.0	0.0	0.0	0.0	44.92	0.0	0.0	26.7	0.0	26.7
Dielectric Constant	43.42	58.0	42.54	56.1	42.0	56.8	39.9	54.0	39.2	52.5	39.0	52.5
Conductivity (s/m)	0.85	0.83	0.91	0.95	1.0	1.07	1.42	1.45	1.80	1.78	1.96	2.16

MSL/HSL750 (Body and Head liquid for 650 – 850 MHz)

Item	Head Tissue Simulation Liquid HSL750 Muscle(body)Tissue Simulation Liquid MSL750			
H2O	Water, 35 – 58%			
Sucrose	Sugar, white, refined, 40-60%			
NaCl	Sodium Chloride, 0-6%			
Hydroxyethyl-cellulose	Medium Viscosity (CAS# 9004-62-0), <0.3%			
Preventol-D7	Preservative: aqueous preparation, (CAS# 55965-84-9), containing 5-chloro-2-methyl-3(2H)-isothiazolone and 2-methyl-3(2H)-isothiazolone, 0.1-0.7%			
Frequency (MHz)	Head ϵ_r	Head σ (S/m)	Body ϵ_r	Body σ (S/m)
750	41.9	0.89	55.2	0.97

Note: The liquid of 700MHz&2600MHz typical liquid composition is provided by SATIMO.



Frequency:5200/5400/5600/5800MHz	
Ingredients	(% by weight)
Water	78
Mineral oil	11
Emulsifiers	9
Additives and Salt	2

Table 2 Recommended Tissue Dielectric Parameters

Frequency (MHz)	Head Tissue		Body Tissue	
	ϵ_r	$\sigma(S/m)$	ϵ_r	$\sigma(S/m)$
150	52.3	0.76	61.9	0.80
300	45.3	0.87	58.2	0.92
450	43.5	0.87	56.7	0.94
835	41.5	0.90	55.2	0.97
900	41.5	0.97	55.0	1.05
915	41.5	0.98	55.0	1.06
1450	40.5	1.20	54.0	1.30
1610	40.3	1.29	53.8	1.40
1800-2000	40.0	1.40	53.3	1.52
2450	39.2	1.80	52.7	1.95
3000	38.5	2.40	52.0	2.73
5800	35.3	5.27	48.2	6.00



5.2 Simulate liquid

Liquid check results:

Table 3: Dielectric Performance of Tissue Simulating Liquid

/	Frequency	Permittivity ϵ	Conductivity σ (S/m)	Liquid Temp. ($^{\circ}$ C)	Test Date
Target value	750MHz	41.9 \pm 5% (39.805~43.995)	0.89 \pm 5% (0.8455~0.9345)	22.5	2024/03/16
Validation value		41.72	0.90		
Target value	750MHz	41.9 \pm 5% (39.805~43.995)	0.89 \pm 5% (0.8455~0.9345)	22.1	2024/03/28
Validation value		42.27	0.89		
Target value	750MHz	41.9 \pm 5% (39.805~43.995)	0.89 \pm 5% (0.8455~0.9345)	22.2	2024/04/11
Validation value		42.09	0.87		
Target value	835MHz	41.5 \pm 5% (39.425~43.575)	0.90 \pm 5% (0.855~0.945)	21.9	2024/03/12
Validation value		41.82	0.88		
Target value	835MHz	41.5 \pm 5% (39.425~43.575)	0.90 \pm 5% (0.855~0.945)	22.2	2024/03/13
Validation value		41.95	0.89		
Target value	835MHz	41.5 \pm 5% (39.425~43.575)	0.90 \pm 5% (0.855~0.945)	22.5	2024/03/19
Validation value		42.63	0.91		
Target value	835MHz	41.5 \pm 5% (39.425~43.575)	0.90 \pm 5% (0.855~0.945)	22.1	2024/03/31
Validation value		41.32	0.91		
Target value	835MHz	41.5 \pm 5% (39.425~43.575)	0.90 \pm 5% (0.855~0.945)	21.8	2024/04/01
Validation value		41.47	0.88		
Target value	1800MHz	40.0 \pm 5% (38.0~42.0)	1.40 \pm 5% (1.33~1.47)	22.0	2024/03/01
Validation value		40.50	1.36		
Target value	1800MHz	40.0 \pm 5% (38.0~42.0)	1.40 \pm 5% (1.33~1.47)	22.3	2024/03/05
Validation value		40.22	1.39		
Target value	1800MHz	40.0 \pm 5% (38.0~42.0)	1.40 \pm 5% (1.33~1.47)	22.4	2024/03/27
Validation value		40.16	1.37		
Target value	1800MHz	40.0 \pm 5% (38.0~42.0)	1.40 \pm 5% (1.33~1.47)	22.2	2024/04/13
Validation value		40.43	1.37		



Target value	1900MHz	40.0±5% (38.0~42.0)	1.40±5% (1.33~1.47)	22.0	2024/02/21
Validation value		39.52	1.45		
Target value	1900MHz	40.0±5% (38.0~42.0)	1.40±5% (1.33~1.47)	22.3	2024/02/22
Validation value		39.11	1.44		
Target value	1900MHz	40.0±5% (38.0~42.0)	1.40±5% (1.33~1.47)	21.8	2024/03/02
Validation value		40.42	1.41		
Target value	1900MHz	40.0±5% (38.0~42.0)	1.40±5% (1.33~1.47)	22.9	2024/03/21
Validation value		40.77	1.38		
Target value	1900MHz	40.0±5% (38.0~42.0)	1.40±5% (1.33~1.47)	21.8	2024/04/12
Validation value		40.22	1.43		
Target value	2450MHz	39.2±5% (37.24~41.16)	1.80±5% (1.71~1.89)	22.1	2024/03/25
Validation value		38.84	1.78		
Target value	2450MHz	39.2±5% (37.24~41.16)	1.80±5% (1.71~1.89)	22.0	2024/04/18
Validation value		38.67	1.82		
Target value	2600MHz	39.0±5% (37.05~40.95)	1.96±5% (1.862~2.058)	22.2	2024/02/20
Validation value		40.22	1.94		
Target value	2600MHz	39.0±5% (37.05~40.95)	1.96±5% (1.862~2.058)	21.8	2024/02/29
Validation value		38.84	1.97		
Target value	2600MHz	39.0±5% (37.05~40.95)	1.96±5% (1.862~2.058)	22.0	2024/03/03
Validation value		38.27	1.99		
Target value	2600MHz	39.0±5% (37.05~40.95)	1.96±5% (1.862~2.058)	22.0	2024/03/23
Validation value		38.60	1.97		
Target value	2600MHz	39.0±5% (37.05~40.95)	1.96±5% (1.862~2.058)	22.3	2024/04/14
Validation value		38.51	2.01		
Target value	3500MHz	37.9±5% (36.005~39.795)	2.91±5% (2.7645~3.0555)	22.6	2024/03/20
Validation value		37.62	2.85		
Target value	3500MHz	37.9±5% (36.005~39.795)	2.91±5% (2.7645~3.0555)	22.0	2024/04/08
Validation value		38.41	2.80		

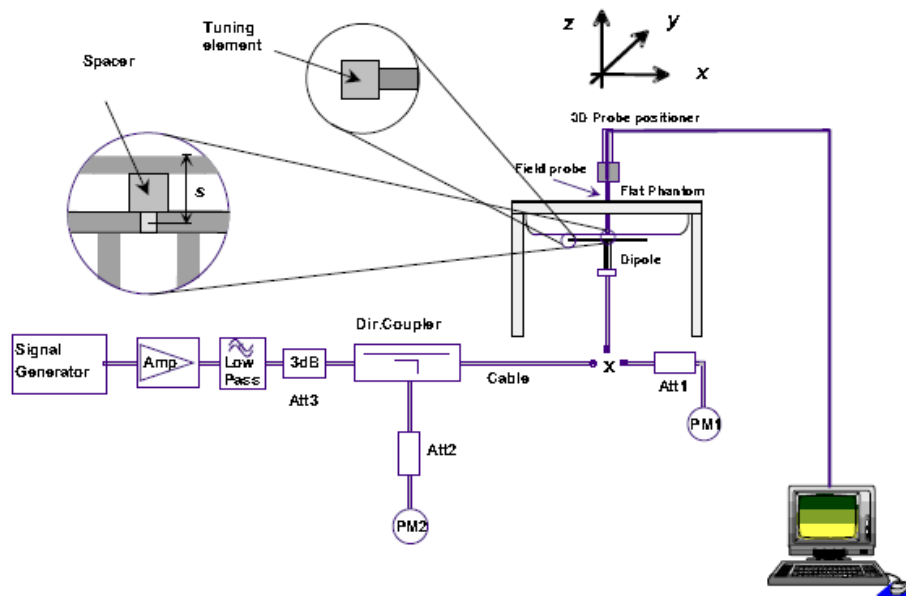


Target value	3500MHz	37.9±5% (36.005~39.795)	2.91±5% (2.7645~3.0555)	22.3	2024/04/09
Validation value		38.57	2.84		
Target value	3700MHz	37.7±5% (35.815~39.585)	3.12±5% (2.964~3.276)	22.6	2024/03/20
Validation value		37.28	3.04		
Target value	3700MHz	37.7±5% (35.815~39.585)	3.12±5% (2.964~3.276)	22.0	2024/04/08
Validation value		38.11	3.10		
Target value	3700MHz	37.7±5% (35.815~39.585)	3.12±5% (2.964~3.276)	22.3	2024/04/09
Validation value		38.18	3.07		
Target value	3900MHz	37.5±5% (35.625~39.375)	3.32±5% (3.154~3.486)	22.3	2024/04/09
Validation value		37.61	3.44		
Target value	5200MHz	36.0±5% (34.20~37.80)	4.66±5% (4.427~4.893)	22.6	2024/03/17
Validation value		35.90	4.69		
Target value	5200MHz	36.0±5% (34.20~37.80)	4.66±5% (4.427~4.893)	22.2	2024/04/16
Validation value		35.72	4.84		
Target value	5400MHz	35.8±5% (34.01~37.59)	4.86±5% (4.617~5.103)	22.6	2024/03/17
Validation value		35.59	4.93		
Target value	5400MHz	35.8±5% (34.01~37.59)	4.86±5% (4.617~5.103)	22.2	2024/04/16
Validation value		35.16	5.02		
Target value	5600MHz	35.5±5% (33.725~37.275)	5.07±5% (4.8165~5.3235)	22.3	2024/03/18
Validation value		35.03	5.13		
Target value	5600MHz	35.5±5% (33.725~37.275)	5.07±5% (4.8165~5.3235)	22.3	2024/04/17
Validation value		35.41	5.21		
Target value	5800MHz	35.3±5% (33.535~37.065)	5.27±5% (5.0065~5.5335)	22.3	2024/03/18
Validation value		34.75	5.34		
Target value	5800MHz	35.3±5% (33.535~37.065)	5.27±5% (5.0065~5.5335)	22.3	2024/04/17
Validation value		34.91	5.38		

SAR System validation

Prior to the assessment, the system validation kit was used to test whether the system was operating within its specifications of $\pm 10\%$. The validation results are tabulated below. And also the corresponding SAR plot is attached as well in the SAR plots files.

The following procedure, recommended for performing validation tests using box phantoms is based on the procedures described in the IEEE standard P1528. Setup according to the setup diagram below:



With the SG and Amp and with directional coupler in place, set up the source signal at the relevant frequency and use a power meter to measure the power at the end of the SMA cable that you intend to connect to the balanced dipole. Adjust the SG to make this, say, 0.01W (10 dBm). If this level is too high to read directly with the power meter sensor, insert a calibrated attenuator (e.g. 10 or 20 dB) and make a suitable correction to the power meter reading.

Note 1: In this method, the directional coupler is used for monitoring rather than setting the exact feed power level.

If, however, the directional coupler is used for power measurement, you should check the frequency range and power rating of the coupler and measure the coupling factor (referred to output) at the test frequency using a VNA.

Note 2: Remember that the use of a 3dB attenuator (as shown in Figure 8.1 of P1528) means that you need an RF amplifier of 2 times greater power for the same feed power. The other issue is the cable length. You might get up to 1dB of loss per meter of cable, so the cable length after the coupler needs to be quite short.

Note 3: For the validation testing done using CW signals, most power meters are suitable. However, if you are measuring the output of a modulated signal from either a signal generator or a handset, you must ensure that the power meter correctly reads the modulated signals.

The measured 1-gram averaged SAR values of the device against the phantom are provided in Tables 5 and Table 6. The body phantom were full of the body tissue simulating liquid. The EUT was supplied with full-charged battery for each measurement.

The distance between the back of the EUT and the bottom of the flat phantom is 10 mm (taking into account of the IEEE 1528 and the place of the antenna).



Table 4: system validation (1g)
System Check Results

Frequency	Duty cycle	Target value (1-g) (W/Kg)	10mW Test value (1-g) (W/Kg)	Test SAR Normalized to 1W(w/Kg)	Test Date
750MHz	1:1	8.65 W/kg±10% (7.785~9.515)	0.0886	8.86	2024/03/16
750MHz	1:1	8.65 W/kg±10% (7.785~9.515)	0.0905	9.05	2024/03/28
750MHz	1:1	8.65 W/kg±10% (7.785~9.515)	0.0902	9.02	2024/04/11
835MHz	1:1	9.93 W/kg±10% (8.937~10.923)	0.0968	9.68	2024/03/12
835MHz	1:1	9.93 W/kg±10% (8.937~10.923)	0.0930	9.30	2024/03/13
835MHz	1:1	9.93 W/kg±10% (8.937~10.923)	0.0945	9.45	2024/03/19
835MHz	1:1	9.93 W/kg±10% (8.937~10.923)	0.0920	9.20	2024/03/31
835MHz	1:1	9.93 W/kg±10% (8.937~10.923)	0.0961	9.61	2024/04/01
1800MHz	1:1	37.81 W/kg±10% (34.029~41.591)	0.3680	36.80	2024/03/01
1800MHz	1:1	37.81 W/kg±10% (34.029~41.591)	0.3764	37.64	2024/03/05
1800MHz	1:1	37.81 W/kg±10% (34.029~41.591)	0.3706	37.06	2024/03/27
1800MHz	1:1	37.81 W/kg±10% (34.029~41.591)	0.3814	38.14	2024/04/13
1900MHz	1:1	41.50 W/kg±10% (37.350~45.650)	0.3938	39.38	2024/02/21
1900MHz	1:1	41.50 W/kg±10% (37.350~45.650)	0.4012	40.12	2024/02/22
1900MHz	1:1	41.50 W/kg±10% (37.350~45.650)	0.3842	38.42	2024/03/02
1900MHz	1:1	41.50 W/kg±10% (37.350~45.650)	0.3896	38.96	2024/03/21
1900MHz	1:1	41.50 W/kg±10% (37.350~45.650)	0.4287	42.87	2024/04/12
2450MHz	1:1	51.74 W/kg±10% (46.566~56.914)	0.5050	50.50	2024/03/25
2450MHz	1:1	51.74 W/kg±10% (46.566~56.914)	0.5231	52.31	2024/04/18
2600MHz	1:1	57.13 W/kg±10% (51.417~62.843)	0.5565	55.65	2024/02/20



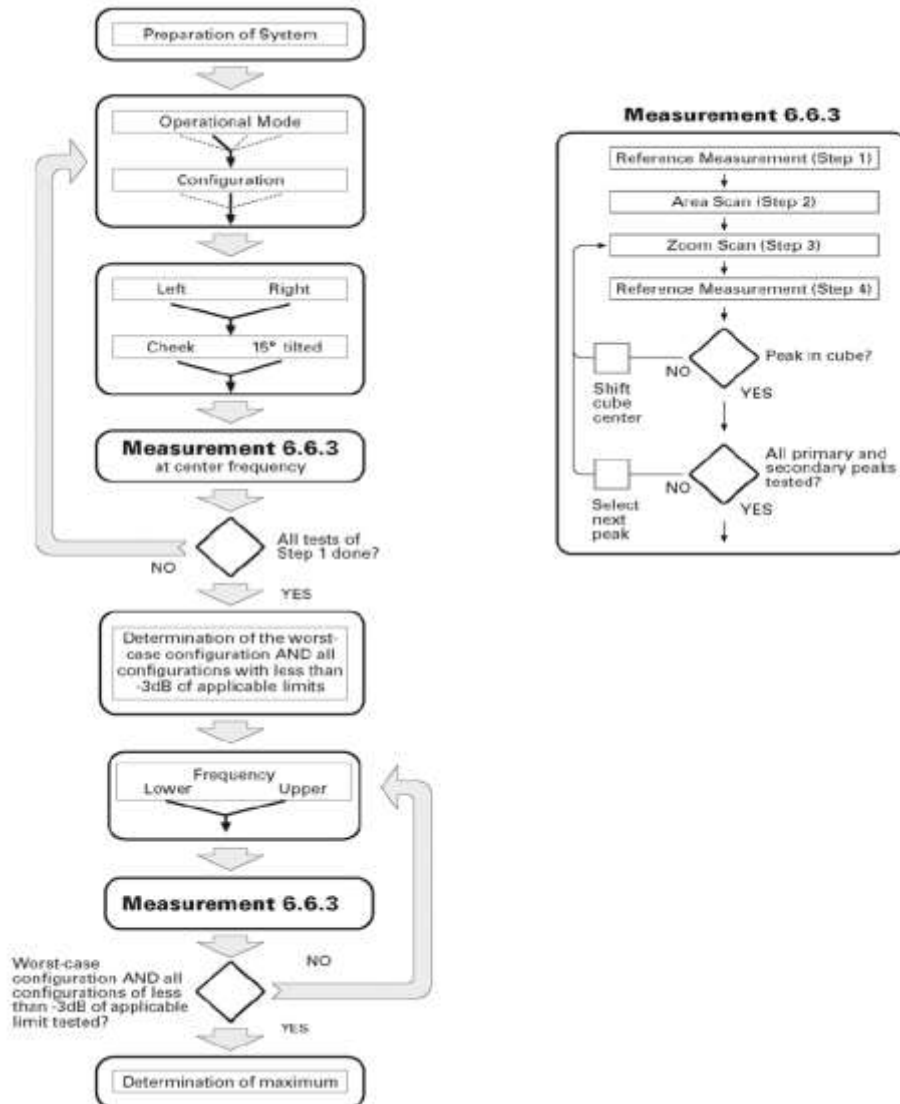
2600MHz	1:1	57.13 W/kg±10% (51.417~62.843)	0.5761	57.61	2024/02/29
2600MHz	1:1	57.13 W/kg±10% (51.417~62.843)	0.5522	55.22	2024/03/03
2600MHz	1:1	57.13 W/kg±10% (51.417~62.843)	0.5387	53.87	2024/03/23
2600MHz	1:1	57.13 W/kg±10% (51.417~62.843)	0.5809	58.09	2024/04/14
3500MHz	1:1	66.30 W/kg±10% (59.670~72.930)	0.6502	65.02	2024/03/20
3500MHz	1:1	66.30 W/kg±10% (59.670~72.930)	0.6657	66.57	2024/04/08
3500MHz	1:1	66.30 W/kg±10% (59.670~72.930)	0.6446	64.46	2024/04/09
3700MHz	1:1	66.42 W/kg±10% (59.78~73.062)	0.6812	68.12	2024/03/20
3700MHz	1:1	66.42 W/kg±10% (59.78~73.062)	0.6809	68.09	2024/04/08
3700MHz	1:1	66.42 W/kg±10% (59.78~73.062)	0.6631	66.31	2024/04/09
3900MHz	1:1	70.35 W/kg±10% (63.315~77.385)	0.6481	64.81	2024/04/09
5200MHz	1:1	152.95 W/kg±10% (137.655~168.245)	1.5426	154.26	2024/03/17
5200MHz	1:1	152.95 W/kg±10% (137.655~168.245)	1.4871	148.71	2024/04/16
5400MHz	1:1	159.94 W/kg±10% (143.946~175.934)	1.5874	158.74	2024/03/17
5400MHz	1:1	159.94 W/kg±10% (143.946~175.934)	1.5539	155.39	2024/04/16
5600MHz	1:1	166.59 W/kg±10% (149.931~183.249)	1.6992	169.92	2024/03/18
5600MHz	1:1	166.59 W/kg±10% (149.931~183.249)	1.6099	160.99	2024/04/17
5800MHz	1:1	174.67 W/kg±10% (157.203~192.137)	1.7630	176.30	2024/03/18
5800MHz	1:1	174.67 W/kg±10% (157.203~192.137)	1.6918	169.18	2024/04/17

Note:

1. Target value was referring to the measured value in the calibration certificate of reference dipole.
2. All SAR values are normalized to 1W forward power.

6. SAR measurement procedure

The SAR test against the head phantom was carried out as follow:



Establish a call with the maximum output power with a base station simulator, the connection between the EUT and the base station simulator is established via air interface.

After an area scan has been done at a fixed distance of 2mm from the surface of the phantom on the source side, a 3D scan is set up around the location of the maximum spot SAR. First, a point within the scan area is visited by the probe and a SAR reading taken at the start of testing. At the end of testing, the probe is returned to the same point and a second reading is taken. Comparison between these start and end readings enables the power drift during measurement to be assessed.

Above is the scanning procedure flow chart and table from the IEEE p1528 standard. This is the procedure for which all compliant testing should be carried out to ensure that all variations of the device position and transmission behavior are tested.



7. Power reduction specification

7.1 WWAN Reduced power

This device support the receiver detection mechanism, the main purpose is to minimize triggering associated with power reduction scenarios by receiver detection mechanisms and provide enhanced user experience. It uses the receiver to indicate whether the user is making a call in head scenario or not. The selection between head and body power levels is based on the receiver detection mechanism. It can distinguish the usage scenes of the Head or Body or Hotspot, and set the relevant power level accordingly.

1) Application scenario of receiver triggering power reduction

1. When there is a voice call (including VOIP) and only data service, and the modem chip detects that the earphone is not connected and the speaker is turned off, the receiver is triggered, and it is considered as a hand-held to the ear (head). Apply power level receiver.
2. When there is a voice call, but the earphone is connected or the speaker mode is turned on, the receiver will not work. It is considered as other scenes (body, etc.). The application power level receiver is turned off.

2) Reduced power of receiver

Transmission Condition	Wireless System	Head	Body & Hotspot
Standalone	CDMA BC 0(ANT 3) WCDMA 850(ANT 3) LTE Band 5(ANT 3) LTE Band 12(ANT 3) LTE Band 17(ANT 3) NR Band 5(ANT 3) LTE Band 41(ANT 4) NR Band 77(ANT 5) NR Band 78(ANT 5) GSM 1900(ANT 6) WCDMA 1700(ANT 6) WCDMA 1900(ANT 6) LTE Band 2(ANT 6) LTE Band 4(ANT 6) LTE Band 7(ANT 6) LTE Band 41(ANT 6) NR Band 77(ANT 7) NR Band 78(ANT 7) LTE Band 41(ANT 8) NR Band 41(ANT 8)	Reduced Power DSI 1	Full Power

Note:

1. For the specific power and power reduction of EUT, please refer to the conducted power at the back of the report.



7.2 WLAN Reduced power

The WLAN of the EUT operates in both standalone transmission and simultaneous transmission modes, and the simultaneous transmission scenarios of the EUT's WLAN with WWAN have been clearly distinguished through software configuration. When the WLAN is in a simultaneous transmission scenario with WWAN, the power is pre-set to be lowered to meet the SAR (Specific Absorption Rate) requirements.

1) Reduced power of WLAN Simultaneous Transmissions

Transmission Condition	Wireless System	Head	Body	Hotspot
Simultaneous Transmissions	WIFI 2.4G Wi-Fi U-NII-1 Wi-Fi U-NII-3	Reduced Power DSI 4	Reduced Power DSI 4	Reduced Power DSI 4
Simultaneous Transmissions	Wi-Fi U-NII-2A Wi-Fi U-NII-2C	Reduced Power DSI 4	Reduced Power DSI 4	NA

Note:

1. For the specific power and power reduction of EUT, please refer to the conducted power at the back of the report.



8. Conducted RF Output Power

8.1 GSM Conducted Power

GSM850 ANT 1 Full Power		Burst-Averaged output Power (dBm)			Division Factors	Frame-Averaged output Power (dBm)		
		128CH	189CH	251CH		128CH	189CH	251CH
		824.2	836.4	848.8		824.2	836.4	848.8
GSM (CS)		33.06	33.15	33.20	-9.03	24.03	24.12	24.17
GPRS (GMSK)	1 Tx Slot	33.05	33.14	33.18	-9.03	24.02	24.11	24.15
	2 Tx Slots	31.15	31.23	31.36	-6.02	25.13	25.21	25.34
	3 Tx Slots	29.34	29.41	29.63	-4.26	25.08	25.15	25.37
	4 Tx Slots	28.40	28.45	28.60	-3.01	25.39	25.44	25.59
EDGE (8PSK)	1 Tx Slot	27.08	27.10	27.14	-9.03	18.05	18.07	18.11
	2 Tx Slots	24.88	24.76	24.79	-6.02	18.86	18.74	18.77
	3 Tx Slots	22.90	23.09	22.98	-4.26	18.64	18.83	18.72
	4 Tx Slots	21.85	22.11	21.99	-3.01	18.84	19.10	18.98
GSM850 ANT 3 Full Power		Burst-Averaged output Power (dBm)			Division Factors	Frame-Averaged output Power (dBm)		
		128CH	189CH	251CH		128CH	189CH	251CH
		824.2	836.4	848.8		824.2	836.4	848.8
GSM (CS)		32.66	32.65	32.60	-9.03	23.63	23.62	23.57
GPRS (GMSK)	1 Tx Slot	32.63	32.64	32.59	-9.03	23.60	23.61	23.56
	2 Tx Slots	30.75	30.91	30.95	-6.02	24.73	24.89	24.93
	3 Tx Slots	29.01	29.20	29.31	-4.26	24.75	24.94	25.05
	4 Tx Slots	27.94	28.11	28.26	-3.01	24.93	25.10	25.25
EDGE (8PSK)	1 Tx Slot	26.86	26.88	27.01	-9.03	17.83	17.85	17.98
	2 Tx Slots	24.58	24.60	24.62	-6.02	18.56	18.58	18.60
	3 Tx Slots	22.64	22.92	22.86	-4.26	18.38	18.66	18.60
	4 Tx Slots	21.81	21.74	21.78	-3.01	18.80	18.73	18.77
GSM1900 ANT 2 Full Power		Burst-Averaged output Power (dBm)			Division Factors	Frame-Averaged output Power (dBm)		
		512CH	661CH	810CH		512CH	661CH	810CH
		1850.2	1880.0	1909.8		1850.2	1880.0	1909.8
GSM (CS)		31.29	31.55	31.47	-9.03	22.26	22.52	22.44
GPRS (GMSK)	1 Tx Slot	31.26	31.52	31.38	-9.03	22.23	22.49	22.35
	2 Tx Slots	28.65	28.71	28.59	-6.02	22.63	22.69	22.57
	3 Tx Slots	26.98	26.78	27.11	-4.26	22.72	22.52	22.85
	4 Tx Slots	25.90	25.96	25.85	-3.01	22.89	22.95	22.84
EDGE (8PSK)	1 Tx Slot	27.21	27.00	27.31	-9.03	18.18	17.97	18.28
	2 Tx Slots	24.98	24.85	24.90	-6.02	18.96	18.83	18.88
	3 Tx Slots	23.02	22.92	23.25	-4.26	18.76	18.66	18.99
	4 Tx Slots	22.18	22.14	22.16	-3.01	19.17	19.13	19.15



GSM1900 ANT 6 Full Power		Burst-Averaged output Power (dBm)			Division Factors	Frame-Averaged output Power (dBm)		
		512CH	661CH	810CH		512CH	661CH	810CH
		1850.2	1880.0	1909.8		1850.2	1880.0	1909.8
GSM (CS)		30.30	30.27	30.40	-9.03	21.27	21.24	21.37
GPRS (GMSK)	1 Tx Slot	30.26	30.23	30.34	-9.03	21.23	21.20	21.31
	2 Tx Slots	27.70	27.61	27.73	-6.02	21.68	21.59	21.71
	3 Tx Slots	26.01	25.70	25.99	-4.26	21.75	21.44	21.73
	4 Tx Slots	24.86	24.95	25.00	-3.01	21.85	21.94	21.99
EDGE (8PSK)	1 Tx Slot	24.05	23.91	24.25	-9.03	15.02	14.88	15.22
	2 Tx Slots	23.67	23.48	23.91	-6.02	17.65	17.46	17.89
	3 Tx Slots	22.18	22.05	22.51	-4.26	17.92	17.79	18.25
	4 Tx Slots	21.46	21.39	21.44	-3.01	18.45	18.38	18.43
GSM1900 ANT 6 DSI 1 Power		Burst-Averaged output Power (dBm)			Division Factors	Frame-Averaged output Power (dBm)		
		512CH	661CH	810CH		512CH	661CH	810CH
		1850.2	1880.0	1909.8		1850.2	1880.0	1909.8
GSM (CS)		28.57	28.60	28.61	-9.03	19.54	19.57	19.58
GPRS (GMSK)	1 Tx Slot	27.09	26.86	27.10	-9.03	18.06	17.83	18.07
	2 Tx Slots	26.68	26.71	26.61	-6.02	20.66	20.69	20.59
	3 Tx Slots	24.79	25.01	24.83	-4.26	20.53	20.75	20.57
	4 Tx Slots	23.73	23.86	23.91	-3.01	20.72	20.85	20.90
EDGE (8PSK)	1 Tx Slot	23.10	23.52	23.10	-9.03	14.07	14.49	14.07
	2 Tx Slots	22.48	22.21	22.65	-6.02	16.46	16.19	16.63
	3 Tx Slots	20.90	21.08	20.96	-4.26	16.64	16.82	16.70
	4 Tx Slots	20.15	20.10	20.04	-3.01	17.14	17.09	17.03

Note:

1. Per KDB 447498 D01 v06, the maximum output power channel is used for SAR testing and for further SAR test reduction.
2. For hotspot SAR, EUT was performed at GPRS Class 12 multi-slots(4Tx) mode.

Timeslot consignations

No. Of Slots	Slot 1	Slot 2	Slot 3	Slot 4
Slot Consignation	1Up4Down	2UpDown	3UpDown	4Up1Down
Duty Cycle	1:8	1:4	1:2.67	1:2
Crest Factor	-9.03dB	-6.02dB	-4.26dB	-3.01dB



8.2 CDMA Conducted output Power

CDMA BC 0 ANT 1 Full Power	Average Power (dBm)		
	1013CH	384CH	777CH
	824.70MHz	836.52MHz	848.31MHz
RC1 + SO55	24.40	24.22	24.36
RC3 + SO55	24.24	24.17	24.22
RC3 + SO32(+F-SCH)	23.90	23.88	23.97
RC3 + SO32(+SCH)	24.16	24.14	24.23
CDMA BC 0 ANT 3 Full Power	Average Power (dBm)		
	1013CH	384CH	777CH
	824.70MHz	836.52MHz	848.31MHz
RC1 + SO55	24.05	24.02	24.21
RC3 + SO55	24.01	23.97	24.12
RC3 + SO32(+F-SCH)	23.65	23.63	23.72
RC3 + SO32(+SCH)	23.91	23.89	23.98
CDMA BC 0 ANT 3 DSI 1 Power	Average Power (dBm)		
	1013CH	384CH	777CH
	824.70MHz	836.52MHz	848.31MHz
RC1 + SO55	23.14	22.95	23.11
RC3 + SO55	23.05	22.92	23.06
RC3 + SO32(+F-SCH)	22.67	22.57	22.64
RC3 + SO32(+SCH)	22.80	22.90	23.02

Note:

1. Per KDB 941225 D01, SAR for RC1 is not required when the maximum average output of each channel is less than ¼ dB higher than that measured in RC3.
2. SAR for next to the ear head exposure is measured in RC3 with the handset configured to transmit at full rate in SO55. The 3G SAR test reduction procedure is applied to RC1 with RC3 as the primary mode
3. Per KDB 941225 D01, SAR for body exposure configurations is measured in RC3 with the DUT configured using TDSO/SO32, to transmit at full rate on FCH with all other code channels disabled.
4. Per KDB 941225 D01, SAR for multiple code channels (FCH + SCHn) is not required when the maximum average output of each RF channel is less than ¼ dB higher than that measured with FCH only.



8.3 WCDMA Conducted output Power

WCDMA850 (Band V) ANT 1 Full Power		Averaged output Power (dBm)		
		4132CH	4183CH	4233CH
		826.4	836.6	846..6
WCDMA	12.2kbps RMC	25.01	25.02	24.99
HSDPA	Subtest 1	24.40	24.63	24.61
	Subtest 2	24.02	24.21	24.19
	Subtest 3	22.44	22.65	22.71
	Subtest 4	22.45	22.66	22.66
HSUPA	Subtest 1	24.32	24.48	24.40
	Subtest 2	24.31	24.54	24.48
	Subtest 3	22.86	23.10	23.03
	Subtest 4	24.35	24.59	24.53
	Subtest 5	23.45	23.64	23.58
WCDMA850 (Band V) ANT 3 Full Power		Averaged output Power (dBm)		
		4132CH	4183CH	4233CH
		826.4	836.6	846..6
WCDMA	12.2kbps RMC	24.66	24.75	24.69
HSDPA	Subtest 1	23.44	23.60	23.75
	Subtest 2	23.04	23.18	23.34
	Subtest 3	21.48	21.62	21.85
	Subtest 4	21.49	21.63	21.81
HSUPA	Subtest 1	23.36	23.45	23.55
	Subtest 2	23.35	23.51	23.63
	Subtest 3	21.92	22.06	22.16
	Subtest 4	23.39	23.56	23.69
	Subtest 5	22.49	22.61	22.76
WCDMA850 (Band V) ANT 3 DSI 1 Power		Averaged output Power (dBm)		
		4132CH	4183CH	4233CH
		826.4	836.6	846..6
WCDMA	12.2kbps RMC	21.16	21.11	21.04
HSDPA	Subtest 1	20.13	20.31	20.19
	Subtest 2	20.11	20.26	20.07
	Subtest 3	18.65	18.41	18.56
	Subtest 4	18.45	18.70	18.53
HSUPA	Subtest 1	19.75	19.75	19.96
	Subtest 2	19.73	19.83	19.84
	Subtest 3	18.34	18.69	18.87
	Subtest 4	19.87	19.87	20.02
	Subtest 5	18.66	18.40	18.59



WCDMA1700 (Band IV) ANT 2 Full Power		Averaged output Power (dBm)		
		1312CH	1412CH	1513CH
		1712.4	1732.4	1752.6
WCDMA	12.2kbps RMC	25.34	25.35	25.43
HSDPA	Subtest 1	24.41	24.43	24.59
	Subtest 2	24.01	23.98	24.16
	Subtest 3	22.54	22.46	22.75
	Subtest 4	22.41	22.40	22.66
HSUPA	Subtest 1	24.33	24.35	24.43
	Subtest 2	24.37	24.36	24.48
	Subtest 3	22.94	22.92	23.13
	Subtest 4	24.44	24.41	24.54
	Subtest 5	23.53	23.52	23.68
WCDMA1700 (Band IV) ANT 6 Full Power		Averaged output Power (dBm)		
		1312CH	1412CH	1513CH
		1712.4	1732.4	1752.6
WCDMA	12.2kbps RMC	18.84	18.85	18.88
HSDPA	Subtest 1	18.29	18.30	18.57
	Subtest 2	17.89	17.85	18.14
	Subtest 3	16.42	16.33	16.73
	Subtest 4	16.29	16.27	16.64
HSUPA	Subtest 1	18.21	18.22	18.41
	Subtest 2	18.25	18.23	18.46
	Subtest 3	16.82	16.79	17.11
	Subtest 4	18.32	18.28	18.52
	Subtest 5	17.41	17.39	17.66
WCDMA1700 (Band IV) ANT 6 DSI 1 Power		Averaged output Power (dBm)		
		1312CH	1412CH	1513CH
		1712.4	1732.4	1752.6
WCDMA	12.2kbps RMC	16.11	16.26	16.18
HSDPA	Subtest 1	15.20	15.08	15.11
	Subtest 2	14.86	14.82	15.01
	Subtest 3	13.45	13.29	13.57
	Subtest 4	13.33	13.24	13.35
HSUPA	Subtest 1	15.09	14.89	15.14
	Subtest 2	14.88	15.21	15.13
	Subtest 3	13.82	13.83	13.61
	Subtest 4	15.02	14.79	15.07
	Subtest 5	14.05	14.12	14.25



WCDMA1900 (Band II) ANT 2 Full Power		Averaged output Power (dBm)		
		9262CH	9400CH	9538cH
		1852.4	1880.0	1907.6
WCDMA	12.2kbps RMC	25.45	25.47	25.59
HSDPA	Subtest 1	24.54	24.58	24.68
	Subtest 2	24.14	24.13	24.25
	Subtest 3	22.67	22.61	22.84
	Subtest 4	22.54	22.55	22.75
HSUPA	Subtest 1	24.46	24.50	24.52
	Subtest 2	24.50	24.51	24.57
	Subtest 3	23.07	23.07	23.22
	Subtest 4	24.57	24.56	24.63
	Subtest 5	23.66	23.67	23.77
WCDMA1900 (Band II) ANT 6 Full Power		Averaged output Power (dBm)		
		9262CH	9400CH	9538cH
		1852.4	1880.0	1907.6
WCDMA	12.2kbps RMC	20.41	20.47	20.44
HSDPA	Subtest 1	19.69	19.68	19.82
	Subtest 2	19.29	19.23	19.39
	Subtest 3	17.82	17.71	17.98
	Subtest 4	17.69	17.65	17.89
HSUPA	Subtest 1	19.61	19.60	19.66
	Subtest 2	19.65	19.61	19.71
	Subtest 3	18.22	18.17	18.36
	Subtest 4	19.72	19.66	19.77
	Subtest 5	18.81	18.77	18.91
WCDMA1900 (Band II) ANT 6 DSI 1 Power		Averaged output Power (dBm)		
		9262CH	9400CH	9538cH
		1852.4	1880.0	1907.6
WCDMA	12.2kbps RMC	17.62	17.68	17.59
HSDPA	Subtest 1	16.59	16.35	16.65
	Subtest 2	16.42	15.87	16.35
	Subtest 3	14.85	15.12	15.07
	Subtest 4	14.63	14.42	14.65
HSUPA	Subtest 1	16.17	16.29	16.33
	Subtest 2	16.25	16.08	16.44
	Subtest 3	15.20	14.93	15.13
	Subtest 4	16.15	16.23	16.14
	Subtest 5	15.39	15.23	15.35



Note:

1. WCDMA SAR was tested under RMC 12.2kbps with HSPA Inactive per KDB Publication 941225 D01v03r01. HSPA SAR was not required since the average output power of the HSPA subtests was not more than 0.25dB higher than the RMC level and SAR was less than 1.2W/kg.
2. It is expected by the manufacturer that MPR for some HSPA subtests may be up to 2dB more than specified by 3GPP, but also as low as 0dB according to the chipset implementation in this model



8.4 LTE Conducted peak output Power

LTE Test Configurations

The CMW500 Wide Band Radio Communication Tester was used for LTE output power measurements and SAR testing. Closed loop power control was used so the UE transmits with maximum output power during SAR testing. SAR test were performed with the same number of RB and RB offsets transmitting on all frames.

1) Spectrum Plots for RB configurations

A properly configured base station simulator was used for LTE output power measurements and SAR testing. Therefore, spectrum plots for RB configurations were not required to be included in this report.

2) MPR

When MPR is implemented permanently within the UE, regardless of network requirements, only those RB configurations allowed by 3GPP for the channel bandwidth and modulation combinations may be tested with MPR active. Configurations with RB allocations less than the RB thresholds required by 3GPP must be tested without MPR.

The allowed Maximum Power Reduction(MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 of the 3GPP TS36.101:

Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 3

Modulation	Channel bandwidth / Transmission bandwidth configuration [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

3) A-MPR LTE procedures for SAR testing

A-MPR(Additional MPR) has been disabled for all SAR tests by using Network Signaling Value of “NS_01” on the base station simulator.

4) LTE procedures for SAR testing

A) Largest channel bandwidth standalone SAR test

requirements i) QPSK with 1 RB allocation

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. When the reported SAR is $\leq 0.8\text{W/kg}$, testing of the remaining RB offset configurations and required test channels is not required for 1RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. When the reported SAR of a required test channel is $> 1.45\text{W/kg}$, SAR is required for all three RB offset configurations for that required test channel.



1. LTE Band 2 Conducted Power Test Verdict:

LTE FDD Band 2 ANT 2 Full Power				Conducted Power(dBm)			Tune up
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			
				18607/1850.7	18900/1880.0	19193/1909.3	
1.4MHz	QPSK	1	0	25.45	25.59	25.73	25.0±1.0
		1	3	25.50	25.68	25.71	
		1	5	25.51	25.64	25.61	
		3	0	24.43	24.57	24.65	24.0±1.0
		3	2	24.51	24.59	24.67	
		3	3	24.48	24.55	24.62	
	6	0	24.42	24.50	24.56	24.0±1.0	
	16QAM	1	0	24.63	24.72	24.72	24.0±1.0
		1	3	24.62	24.70	24.67	
		1	5	24.65	24.63	24.73	
		3	0	23.51	23.65	23.68	23.0±1.0
		3	2	23.55	23.63	23.71	
		3	3	23.53	23.64	23.69	
	6	0	23.45	23.59	23.60	23.0±1.0	
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18615/1851.5	18900/1880.0	19185/1908.5	
3MHz	QPSK	1	0	25.40	25.48	25.46	25.0±1.0
		1	7	25.49	25.62	25.59	
		1	14	25.43	25.45	25.52	
		8	0	24.49	24.52	24.55	24.0±1.0
		8	4	24.52	24.50	24.57	
		8	7	24.53	24.59	24.63	
	15	0	24.47	24.57	24.56	24.0±1.0	
	16QAM	1	0	24.64	24.64	24.75	24.5±1.0
		1	7	24.76	24.77	24.85	
		1	14	24.61	24.69	24.62	
		8	0	23.53	23.56	23.57	23.0±1.0
		8	4	23.52	23.55	23.56	
		8	7	23.53	23.62	23.65	
	15	0	23.55	23.61	23.60	23.0±1.0	



LTE FDD Band 2 ANT 2 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18625/1852.5	18900/1880.0	19175/1907.5	
5MHz	QPSK	1	0	25.50	25.55	25.70	25.0±1.0
		1	13	25.65	25.69	25.61	
		1	24	25.50	25.56	25.63	
		12	0	24.53	24.48	24.61	24.0±1.0
		12	6	24.53	24.49	24.62	
		12	13	24.53	24.58	24.70	
	25	0	24.53	24.49	24.62	24.0±1.0	
	16QAM	1	0	24.59	24.65	24.79	24.5±1.0
		1	13	24.65	24.78	24.90	
		1	24	24.61	24.57	24.81	
		12	0	23.56	23.53	23.67	23.0±1.0
		12	6	23.58	23.60	23.67	
		12	13	23.48	23.58	23.69	
		25	0	23.55	23.50	23.62	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18650/1855	18900/1880.0	19150/1905	
10MHz	QPSK	1	0	25.45	25.48	25.66	25.0±1.0
		1	25	25.50	25.54	25.70	
		1	49	25.49	25.48	25.67	
		25	0	24.41	24.52	24.62	24.0±1.0
		25	13	24.49	24.54	24.62	
		25	25	24.57	24.60	24.68	
		50	0	24.58	24.53	24.61	24.0±1.0
	16QAM	1	0	24.67	24.70	24.66	24.0±1.0
		1	25	24.63	24.66	24.67	
		1	49	24.74	24.71	24.68	
		25	0	23.53	23.54	23.67	23.0±1.0
		25	13	23.54	23.58	23.65	
		25	25	23.60	23.65	23.69	
		50	0	23.59	23.55	23.62	23.0±1.0



LTE FDD Band 2 ANT 2 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18675/1857.5	18900/1880.0	19125/1902.5	
15MHz	QPSK	1	0	25.36	25.32	25.38	25.0±1.0
		1	38	25.35	25.38	25.43	
		1	74	25.34	25.26	25.39	
		36	0	24.53	24.54	24.56	24.0±1.0
		36	18	24.54	24.59	24.42	
		36	39	24.46	24.35	24.51	
		75	0	24.42	24.37	24.42	24.0±1.0
	16QAM	1	0	24.38	24.56	24.60	24.0±1.0
		1	38	24.43	24.61	24.68	
		1	74	24.55	24.48	24.62	
		36	0	23.57	23.54	23.50	23.0±1.0
		36	18	23.44	23.58	23.46	
		36	39	23.45	23.56	23.48	
		75	0	23.42	23.40	23.46	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
20MHz	QPSK	1	0	25.48	25.53	25.42	25.0±1.0
		1	50	25.35	25.42	25.47	
		1	99	25.32	25.37	25.40	
		50	0	24.40	24.42	24.41	24.0±1.0
		50	25	24.39	24.45	24.43	
		50	50	24.44	24.50	24.54	
		100	0	24.47	24.42	24.47	24.0±1.0
	16QAM	1	0	24.77	24.59	24.53	24.5±1.0
		1	50	24.69	24.61	24.77	
		1	99	24.47	24.54	24.67	
		50	0	23.39	23.45	23.45	23.0±1.0
		50	25	23.40	23.41	23.46	
		50	50	23.47	23.55	23.49	
		100	0	23.47	23.42	23.46	23.0±1.0



LTE FDD Band 2 ANT 6 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18607/1850.7	18900/1880.0	19193/1909.3	
1.4MHz	QPSK	1	0	21.47	21.41	21.45	21.0±1.0
		1	3	21.32	21.51	21.40	
		1	5	21.28	21.45	21.34	
		3	0	20.40	20.40	20.32	20.0±1.0
		3	2	20.40	20.39	20.40	
		3	3	20.35	20.36	20.38	
	6	0	20.37	20.31	20.29	20.0±1.0	
	16QAM	1	0	20.62	20.65	20.59	20.0±1.0
		1	3	20.66	20.70	20.70	
		1	5	20.72	20.59	20.62	
		3	0	19.44	19.45	19.48	19.0±1.0
		3	2	19.46	19.38	19.47	
		3	3	19.46	19.40	19.39	
	6	0	19.43	19.36	19.31	19.0±1.0	
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18615/1851.5	18900/1880.0	19185/1908.5	
3MHz	QPSK	1	0	21.25	21.27	21.30	21.0±1.0
		1	7	21.35	21.38	21.23	
		1	14	21.27	21.24	21.24	
		8	0	20.33	20.31	20.46	20.0±1.0
		8	4	20.31	20.35	20.35	
		8	7	20.36	20.42	20.36	
		15	0	20.28	20.31	20.30	
	16QAM	1	0	20.45	20.48	20.43	20.0±1.0
		1	7	20.61	20.59	20.51	
		1	14	20.41	20.53	20.49	
		8	0	19.38	19.39	19.40	19.0±1.0
		8	4	19.36	19.38	19.48	
		8	7	19.42	19.43	19.44	
		15	0	19.25	19.31	19.28	



LTE FDD Band 2 ANT 6 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18625/1852.5	18900/1880.0	19175/1907.5	
5MHz	QPSK	1	0	21.31	21.35	21.35	21.0±1.0
		1	13	21.42	21.62	21.53	
		1	24	21.48	21.40	21.34	
		12	0	20.27	20.35	20.32	20.0±1.0
		12	6	20.28	20.35	20.32	
		12	13	20.37	20.42	20.37	
	16QAM	25	0	20.37	20.34	20.30	20.0±1.0
		1	0	20.34	20.51	20.32	20.0±1.0
		1	13	20.44	20.61	20.48	
		1	24	20.39	20.64	20.35	
		12	0	19.33	19.37	19.22	19.0±1.0
		12	6	19.29	19.48	19.39	
		12	13	19.39	19.48	19.48	
		25	0	19.39	19.34	19.34	19.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18650/1855	18900/1880.0	19150/1905	
10MHz	QPSK	1	0	21.32	21.44	21.34	21.0±1.0
		1	25	21.30	21.44	21.37	
		1	49	21.27	21.34	21.30	
		25	0	20.32	20.36	20.33	20.0±1.0
		25	13	20.31	20.36	20.34	
		25	25	20.39	20.45	20.40	
		50	0	20.25	20.35	20.32	20.0±1.0
	16QAM	1	0	20.60	20.56	20.41	20.0±1.0
		1	25	20.54	20.64	20.53	
		1	49	20.46	20.46	20.57	
		25	0	19.32	19.37	19.37	19.0±1.0
		25	13	19.31	19.38	19.36	
		25	25	19.40	19.45	19.42	
		50	0	19.31	19.35	19.35	19.0±1.0



LTE FDD Band 2 ANT 6 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18675/1857.5	18900/1880.0	19125/1902.5	
15MHz	QPSK	1	0	21.35	21.16	21.16	21.0±1.0
		1	38	21.26	21.22	21.23	
		1	74	21.29	21.08	21.18	
		36	0	20.32	20.45	20.29	20.0±1.0
		36	18	20.30	20.30	20.22	
		36	39	20.40	20.53	20.20	
		75	0	20.30	20.20	20.02	20.0±1.0
	16QAM	1	0	20.47	20.36	20.15	20.0±1.0
		1	38	20.36	20.35	20.14	
		1	74	20.48	20.27	20.36	
		36	0	19.29	19.34	19.22	19.0±1.0
		36	18	19.31	19.41	19.35	
		36	39	19.41	19.18	19.36	
		75	0	19.28	19.21	19.23	19.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18700/1860.0	18900/1880.0	19100/1900.0	
20MHz	QPSK	1	0	21.32	21.29	21.38	21.0±1.0
		1	50	21.39	21.22	21.30	
		1	99	21.29	21.41	21.33	
		50	0	20.36	20.27	20.28	20.0±1.0
		50	25	20.35	20.25	20.29	
		50	50	20.37	20.30	20.37	
		100	0	20.36	20.23	20.33	20.0±1.0
	16QAM	1	0	20.36	20.35	20.35	20.0±1.0
		1	50	20.53	20.60	20.58	
		1	99	20.50	20.42	20.27	
		50	0	19.39	19.35	19.30	19.0±1.0
		50	25	19.39	19.24	19.31	
		50	50	19.45	19.33	19.38	
		100	0	19.36	19.26	19.35	19.0±1.0



LTE FDD Band 2 ANT 6 DSI 1 Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18607/1850.7	18900/1880.0	19193/1909.3	
1.4MHz	QPSK	1	0	19.45	19.31	19.28	19.0±1.0
		1	3	19.25	19.28	19.19	
		1	5	19.15	19.25	19.26	
		3	0	18.13	18.22	18.37	18.0±1.0
		3	2	18.26	18.41	18.21	
		3	3	18.22	18.25	18.24	
	16QAM	6	0	18.13	18.22	18.26	18.0±1.0
		1	0	18.41	18.41	18.54	18.0±1.0
		1	3	18.18	18.42	18.20	
		1	5	18.42	18.44	18.67	
		3	0	17.34	17.37	17.41	17.0±1.0
		3	2	17.15	17.34	17.53	
3	3	17.22	17.46	17.44			
		6	0	17.27	17.14	17.23	17.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18615/1851.5	18900/1880.0	19185/1908.5	
3MHz	QPSK	1	0	19.32	19.29	19.42	19.0±1.0
		1	7	19.21	19.28	19.51	
		1	14	19.37	19.12	19.14	
		8	0	18.21	18.18	18.28	18.0±1.0
		8	4	18.17	18.18	18.41	
		8	7	18.22	18.23	18.01	
	16QAM	15	0	17.98	18.20	18.24	18.0±1.0
		1	0	18.22	18.25	18.49	18.0±1.0
		1	7	18.32	18.44	18.34	
		1	14	18.33	18.42	18.24	
		8	0	17.27	17.26	17.49	17.0±1.0
		8	4	17.40	17.25	17.34	
8	7	17.33	17.29	17.49			
		15	0	17.27	17.23	17.18	17.0±1.0



LTE FDD Band 2 ANT 6 DSI 1 Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18625/1852.5	18900/1880.0	19175/1907.5	
5MHz	QPSK	1	0	19.32	19.24	19.36	19.0±1.0
		1	13	19.58	19.36	19.33	
		1	24	19.33	19.25	19.35	
		12	0	18.27	18.35	18.43	18.0±1.0
		12	6	18.34	18.21	18.26	
		12	13	18.40	18.28	18.35	
		25	0	18.29	18.31	18.27	18.0±1.0
	16QAM	1	0	18.53	18.36	18.33	18.0±1.0
		1	13	18.43	18.66	18.32	
		1	24	18.33	18.44	18.45	
		12	0	17.39	17.41	17.40	17.0±1.0
		12	6	17.42	17.26	17.44	
		12	13	17.27	17.30	17.32	
		25	0	17.33	17.24	17.36	17.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18650/1855	18900/1880.0	19150/1905	
10MHz	QPSK	1	0	19.32	19.27	19.41	19.0±1.0
		1	25	19.26	19.24	19.35	
		1	49	19.33	19.41	19.43	
		25	0	18.27	18.23	18.47	18.0±1.0
		25	13	18.30	18.33	18.43	
		25	25	18.32	18.29	18.27	
		50	0	18.29	18.24	18.28	18.0±1.0
	16QAM	1	0	18.36	18.39	18.53	18.0±1.0
		1	25	18.39	18.47	18.39	
		1	49	18.41	18.40	18.55	
		25	0	17.37	17.28	17.27	17.0±1.0
		25	13	17.41	17.32	17.46	
		25	25	17.53	17.36	17.34	
		50	0	17.26	17.23	17.28	17.0±1.0



LTE FDD Band 2 ANT 6 DSI 1 Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18675/1857.5	18900/1880.0	19125/1902.5	
15MHz	QPSK	1	0	19.17	19.33	19.25	19.0±1.0
		1	38	19.26	19.39	19.27	
		1	74	19.30	19.20	19.15	
		36	0	18.36	18.29	18.43	18.0±1.0
		36	18	18.28	18.28	18.30	
		36	39	18.29	28.31	18.25	
		75	0	18.38	18.37	18.26	18.0±1.0
	16QAM	1	0	18.29	18.34	18.32	18.0±1.0
		1	38	18.29	18.34	18.25	
		1	74	18.17	18.29	18.23	
		36	0	17.34	17.40	17.32	17.0±1.0
		36	18	17.30	17.24	17.35	
		36	39	17.20	17.31	17.24	
		75	0	17.30	17.27	17.34	17.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18700/1860.0	18900/1880.0	19100/1900.0	
20MHz	QPSK	1	0	19.31	19.42	19.49	19.0±1.0
		1	50	19.32	19.35	19.31	
		1	99	19.34	19.42	19.24	
		50	0	18.29	18.12	18.32	18.0±1.0
		50	25	18.25	18.31	18.34	
		50	50	18.40	18.15	18.13	
		100	0	18.21	18.09	18.14	18.0±1.0
	16QAM	1	0	18.46	18.34	18.28	18.0±1.0
		1	50	18.27	18.29	18.37	
		1	99	18.32	18.31	18.35	
		50	0	17.33	17.29	17.42	17.0±1.0
		50	25	17.31	17.27	17.29	
		50	50	17.35	17.48	17.33	
		100	0	17.28	17.30	17.24	17.0±1.0



2. LTE Band 4 Conducted Power Test Verdict:

LTE FDD Band 4 ANT 2 Full Power				Conducted Power(dBm)			Tune up
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			
				19957/1710.7	20175/1732.5	20393/1754.3	
1.4MHz	QPSK	1	0	25.57	25.70	25.67	25.0±1.0
		1	3	25.67	25.68	25.71	
		1	5	25.71	25.67	25.61	
		3	0	24.48	24.70	24.65	24.0±1.0
		3	2	24.47	24.67	24.68	
		3	3	24.59	24.64	24.64	
		6	0	24.52	24.54	24.62	24.0±1.0
	16QAM	1	0	24.62	24.98	24.82	24.5±1.0
		1	3	24.85	24.97	24.89	
		1	5	24.85	24.87	24.90	
		3	0	23.64	23.86	23.78	23.5±1.0
		3	2	23.67	23.78	23.71	
		3	3	23.71	23.80	23.75	
		6	0	23.62	23.71	23.75	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				19965/1711.5	20175/1732.5	20385/1753.5	
3MHz	QPSK	1	0	25.53	25.63	25.56	25.0±1.0
		1	7	25.66	25.74	25.64	
		1	14	25.63	25.62	25.61	
		8	0	24.71	24.71	24.60	24.0±1.0
		8	4	24.65	24.69	24.64	
		8	7	24.67	24.78	24.72	
		15	0	24.68	24.71	24.67	24.0±1.0
	16QAM	1	0	24.71	24.77	24.79	24.5±1.0
		1	7	24.79	24.66	24.81	
		1	14	24.75	24.72	21.68	
		8	0	23.72	23.72	23.67	23.0±1.0
		8	4	23.66	23.75	23.67	
		8	7	23.68	23.82	23.72	
		15	0	23.65	23.69	23.63	23.0±1.0



LTE FDD Band 4 ANT 2 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				19975/1712.5	20175/1732.5	20375/1752.5	
5MHz	QPSK	1	0	25.61	25.75	25.69	25.0±1.0
		1	13	25.63	25.66	25.63	
		1	24	25.59	25.71	25.72	
		12	0	24.72	24.72	24.70	24.0±1.0
		12	6	24.74	24.73	24.69	
		12	13	24.72	24.78	24.77	
		25	0	24.72	24.69	24.76	24.0±1.0
	16QAM	1	0	24.75	24.88	24.89	24.5±1.0
		1	13	24.90	25.08	24.98	
		1	24	24.86	24.82	24.95	
		12	0	23.83	23.77	23.76	23.5±1.0
		12	6	23.70	23.70	23.68	
		12	13	23.70	23.76	23.79	
		25	0	23.76	23.70	23.77	23.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20000/1715.0	20175/1732.5	20350/1750.0	
10MHz	QPSK	1	0	25.59	25.57	25.64	25.0±1.0
		1	25	25.67	25.68	25.71	
		1	49	25.62	25.63	25.67	
		25	0	24.69	24.75	24.69	24.5±1.0
		25	13	24.67	24.76	24.60	
		25	25	24.75	24.81	24.67	
		50	0	24.69	24.70	24.61	24.0±1.0
	16QAM	1	0	24.73	24.89	24.90	24.5±1.0
		1	25	24.97	24.84	24.88	
		1	49	24.91	24.95	24.86	
		25	0	23.67	23.76	23.72	23.5±1.0
		25	13	23.68	23.69	23.74	
		25	25	23.70	23.80	23.79	
		50	0	23.74	23.78	23.79	23.5±1.0



LTE FDD Band 4 ANT 2 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20025/1717.5	20175/1732.5	20325/1747.5	
15MHz	QPSK	1	0	25.44	25.48	25.57	25.0±1.0
		1	38	25.42	25.54	25.52	
		1	74	25.49	25.53	25.51	
		36	0	24.82	24.73	24.73	24.5±1.0
		36	18	24.76	24.65	24.83	
		36	39	24.70	24.72	24.73	
		75	0	24.58	24.58	24.62	24.0±1.0
	16QAM	1	0	24.68	24.70	24.75	24.5±1.0
		1	38	24.81	24.84	24.76	
		1	74	24.91	24.87	24.72	
		36	0	23.61	23.69	23.69	23.5±1.0
		36	18	23.82	23.80	23.68	
		36	39	23.69	23.77	23.64	
		75	0	23.60	23.59	23.61	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20050/1720.0	20175/1732.5	20300/1745.0	
20MHz	QPSK	1	0	25.54	25.56	25.70	25.0±1.0
		1	50	25.55	25.54	25.62	
		1	99	25.58	25.67	25.64	
		50	0	24.54	24.60	24.56	24.0±1.0
		50	25	24.49	24.60	24.62	
		50	50	24.58	24.64	24.63	
		100	0	24.59	24.58	24.63	24.0±1.0
	16QAM	1	0	24.77	24.71	24.79	24.5±1.0
		1	50	24.70	24.72	24.85	
		1	99	24.65	24.86	24.67	
		50	0	23.52	23.58	23.60	23.0±1.0
		50	25	23.48	23.55	23.56	
		50	50	23.57	23.64	23.64	
		100	0	23.61	23.56	23.66	23.0±1.0



LTE FDD Band 4 ANT 6 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				19957/1710.7	20175/1732.5	20393/1754.3	
1.4MHz	QPSK	1	0	20.51	20.56	20.39	20.0±1.0
		1	3	20.67	20.61	20.51	
		1	5	20.50	20.52	20.38	
		3	0	19.47	19.56	19.46	19.0±1.0
		3	2	19.50	19.57	19.44	
		3	3	19.52	19.50	19.47	
	6	0	19.39	19.42	19.45	19.0±1.0	
	16QAM	1	0	19.61	19.59	19.44	19.0±1.0
		1	3	19.73	19.64	19.60	
		1	5	19.59	19.72	19.64	
		3	0	18.51	19.57	18.50	18.0±1.0
		3	2	18.59	19.57	18.49	
		3	3	18.54	19.66	18.50	
	6	0	18.47	18.57	18.40	18.0±1.0	
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				19965/1711.5	20175/1732.5	20385/1753.5	
3MHz	QPSK	1	0	20.44	20.37	20.41	20.0±1.0
		1	7	20.48	20.52	20.32	
		1	14	20.42	20.38	20.40	
		8	0	19.48	19.46	19.47	19.0±1.0
		8	4	19.47	19.44	19.44	
		8	7	19.55	19.53	19.49	
		15	0	19.49	19.42	19.52	
	16QAM	1	0	19.55	19.48	19.41	19.0±1.0
		1	7	19.61	19.65	19.46	
		1	14	19.60	19.53	19.67	
		8	0	18.49	18.46	18.48	18.0±1.0
		8	4	18.49	18.47	18.50	
		8	7	18.53	18.53	18.49	
		15	0	18.47	18.45	18.45	



LTE FDD Band 4 ANT 6 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				19975/1712.5	20175/1732.5	20375/1752.5	
5MHz	QPSK	1	0	20.40	20.52	20.45	20.0±1.0
		1	13	20.59	20.60	20.31	
		1	24	20.32	20.55	20.49	
		12	0	19.56	19.49	19.29	19.0±1.0
		12	6	19.53	19.48	19.15	
		12	13	19.56	19.58	19.43	
	16QAM	25	0	19.43	19.37	19.31	19.0±1.0
		1	0	19.60	19.57	19.62	19.0±1.0
		1	13	19.48	19.67	19.57	
		1	24	19.67	19.56	19.50	
		12	0	18.53	18.51	18.57	18.0±1.0
		12	6	18.60	18.54	18.51	
		12	13	18.55	18.58	18.44	
		25	0	18.51	18.49	18.47	18.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20000/1715.0	20175/1732.5	20350/1750.0	
10MHz	QPSK	1	0	20.47	20.45	20.41	20.0±1.0
		1	25	20.51	20.49	20.53	
		1	49	20.45	20.45	20.30	
		25	0	19.48	19.49	19.34	19.0±1.0
		25	13	19.45	19.50	19.38	
		25	25	19.52	19.58	19.43	
		50	0	19.49	19.51	19.46	
	16QAM	1	0	19.55	19.56	19.59	19.0±1.0
		1	25	19.63	19.60	19.71	
		1	49	19.57	19.72	19.46	
		25	0	18.53	18.52	18.36	18.0±1.0
		25	13	18.49	18.53	18.33	
		25	25	18.53	18.60	18.37	
		50	0	18.50	18.50	18.45	



LTE FDD Band 4 ANT 6 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20025/1717.5	20175/1732.5	20325/1747.5	
15MHz	QPSK	1	0	20.49	20.27	20.43	20.0±1.0
		1	38	20.52	20.30	20.40	
		1	74	20.37	20.30	20.38	
		36	0	19.55	19.26	19.37	19.0±1.0
		36	18	19.53	19.42	19.44	
		36	39	19.57	19.49	19.39	
		75	0	19.56	19.32	19.42	19.0±1.0
	16QAM	1	0	19.61	19.57	19.46	19.0±1.0
		1	38	19.50	19.58	19.60	
		1	74	19.47	19.37	19.45	
		36	0	18.59	19.25	18.47	18.0±1.0
		36	18	18.60	19.41	18.42	
		36	39	18.61	19.51	18.50	
		75	0	18.49	18.35	18.40	18.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20050/1720.0	20175/1732.5	20300/1745.0	
20MHz	QPSK	1	0	20.28	20.35	20.41	20.0±1.0
		1	50	20.48	20.33	20.60	
		1	99	20.29	20.41	20.42	
		50	0	19.34	19.37	19.50	19.0±1.0
		50	25	19.27	19.37	19.48	
		50	50	19.52	19.40	19.56	
		100	0	19.38	19.36	19.55	19.0±1.0
	16QAM	1	0	19.33	19.47	19.70	19.0±1.0
		1	50	19.52	19.68	19.79	
		1	99	19.43	19.52	19.61	
		50	0	18.52	18.37	18.56	18.0±1.0
		50	25	18.38	18.40	18.55	
		50	50	18.52	18.45	18.62	
		100	0	18.51	18.36	18.63	18.0±1.0



LTE FDD Band 4 ANT 6 DSI 1 Power				Conducted Power(dBm)						
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up			
				19957/1710.7	20175/1732.5	20393/1754.3				
1.4MHz	QPSK	1	0	17.69	17.58	17.64	17.0±1.0			
		1	3	17.73	17.52	17.31				
		1	5	17.54	17.50	17.63				
		3	0	17.51	17.47	17.69	16.0±1.0			
		3	2	17.59	17.50	17.29				
		3	3	17.55	17.50	17.45				
	16QAM	16QAM	6	0	16.53	16.49	16.46	16.0±1.0		
			1	0	16.67	16.64	16.53	16.0±1.0		
			1	3	16.48	16.70	16.54			
			1	5	16.71	16.55	16.73			
			3	0	15.69	15.65	15.46	15.0±1.0		
			3	2	15.47	15.50	15.51			
			3	3	15.38	15.61	15.59			
			6	0	15.61	15.53	15.46	15.0±1.0		
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up			
				19965/1711.5	20175/1732.5	20385/1753.5				
3MHz	QPSK	1	0	17.27	17.37	17.29	17.0±1.0			
		1	7	17.49	17.52	17.33				
		1	14	17.51	17.41	17.65				
		16QAM	16QAM	8	0	16.58	16.48	16.24	16.0±1.0	
				8	4	16.29	16.45	16.47		
				8	7	16.30	16.50	16.59		
				15	0	16.58	16.43	16.53	16.0±1.0	
	16QAM			16QAM	1	0	16.72	16.62	16.47	16.0±1.0
					1	7	16.64	16.67	16.56	
					1	14	16.49	16.58	16.44	
		8	0		15.66	15.51	15.46	15.0±1.0		
		8	4		15.48	15.48	15.60			
		8	7		15.63	15.59	15.43			
	15	0	15.45	15.49	15.70	15.0±1.0				



LTE FDD Band 4 ANT 6 DSI 1 Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				19975/1712.5	20175/1732.5	20375/1752.5	
5MHz	QPSK	1	0	17.45	17.52	17.37	17.0±1.0
		1	13	17.61	17.66	17.65	
		1	24	17.59	17.56	17.54	
		12	0	16.54	16.48	16.27	16.0±1.0
		12	6	16.71	16.47	16.43	
		12	13	16.53	16.50	16.34	
	16QAM	25	0	16.68	16.45	16.28	16.0±1.0
		1	0	16.59	16.63	16.42	16.0±1.0
		1	13	16.64	16.57	16.39	
		1	24	16.53	16.59	16.37	
		12	0	15.66	15.46	15.64	15.0±1.0
		12	6	15.27	15.49	15.38	
		12	13	15.45	15.54	15.47	
		25	0	15.58	15.47	15.39	15.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20000/1715.0	20175/1732.5	20350/1750.0	
10MHz	QPSK	1	0	17.53	17.52	17.34	17.0±1.0
		1	25	17.40	17.50	17.51	
		1	49	17.42	17.45	17.25	
		25	0	16.37	16.50	16.28	16.0±1.0
		25	13	16.60	16.46	16.37	
		25	25	16.68	16.57	16.45	
		50	0	16.52	16.47	16.64	
	16QAM	1	0	16.63	16.53	16.72	16.0±1.0
		1	25	16.57	16.67	16.53	
		1	49	16.51	16.64	16.55	
		25	0	15.40	15.49	15.37	15.0±1.0
		25	13	15.71	15.52	15.61	
		25	25	15.35	15.57	15.34	
		50	0	15.24	15.44	15.29	



LTE FDD Band 4 ANT 6 DSI 1 Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20025/1717.5	20175/1732.5	20325/1747.5	
15MHz	QPSK	1	0	17.31	17.35	17.31	17.0±1.0
		1	38	17.43	17.27	17.29	
		1	74	17.31	17.41	17.40	
		36	0	16.35	16.34	16.55	16.0±1.0
		36	18	16.42	16.44	16.46	
		36	39	16.31	16.52	16.35	
		75	0	16.43	16.33	16.23	16.0±1.0
	16QAM	1	0	16.56	16.35	16.39	16.0±1.0
		1	38	16.30	16.54	16.39	
		1	74	16.45	16.38	16.46	
		36	0	15.41	15.49	15.26	15.0±1.0
		36	18	15.53	15.44	15.32	
		36	39	15.44	15.47	15.41	
		75	0	15.36	15.32	15.39	15.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20050/1720.0	20175/1732.5	20300/1745.0	
20MHz	QPSK	1	0	17.33	17.55	17.41	17.0±1.0
		1	50	17.43	17.37	17.28	
		1	99	17.29	17.32	17.54	
		50	0	16.34	16.35	16.50	16.0±1.0
		50	25	16.25	16.36	16.40	
		50	50	16.36	16.41	16.42	
		100	0	16.50	16.34	16.27	16.0±1.0
	16QAM	1	0	16.55	16.61	16.65	16.0±1.0
		1	50	16.71	16.65	16.72	
		1	99	16.20	16.43	16.59	
		50	0	15.25	15.23	15.36	15.0±1.0
		50	25	15.54	15.39	15.26	
		50	50	15.32	15.44	15.54	
		100	0	15.31	15.36	15.53	15.0±1.0



3. LTE Band 5 Conducted Power Test Verdict:

LTE FDD Band 5 ANT 1 Full Power				Conducted Power(dBm)						
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up			
				20407/824.7	20525/836.5	20643/848.3				
1.4MHz	QPSK	1	0	25.01	25.02	25.11	24.5±1.0			
		1	3	25.03	25.08	25.16				
		1	5	25.01	25.11	25.16				
		3	0	24.04	24.00	24.05	23.5±1.0			
		3	2	24.09	24.05	24.07				
		3	3	25.01	24.02	24.06				
	16QAM	16QAM	6	0	24.05	24.03	24.01	23.5±1.0		
			1	0	24.20	24.20	24.18	24.0±1.0		
			1	3	24.24	24.10	24.31			
			1	5	24.20	24.35	24.28			
			3	0	23.03	23.05	23.14	22.5±1.0		
			3	2	23.10	23.09	23.15			
			3	3	23.12	23.08	23.09			
			6	0	22.99	23.02	23.01	22.5±1.0		
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up			
				20415/825.5	20525/836.5	20635/847.5				
3MHz	QPSK	1	0	24.91	24.90	25.01	24.5±1.0			
		1	7	25.03	25.02	25.15				
		1	14	24.94	24.91	25.02				
		16QAM	16QAM	8	0	24.09	23.95	24.00	23.5±1.0	
				8	4	24.09	24.00	23.98		
				8	7	24.08	24.06	24.04		
				15	0	24.09	24.04	24.01	23.5±1.0	
	16QAM			16QAM	1	0	24.20	24.14	24.14	24.0±1.0
					1	7	24.31	24.27	24.23	
		1	14		24.17	24.13	24.16			
		8	0		23.14	23.05	23.02	22.5±1.0		
		8	4		23.17	23.05	23.06			
		8	7		23.18	23.12	23.14			
		15	0		23.09	23.11	23.07			



LTE FDD Band 5 ANT 1 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20425/826.5	20525/836.5	20625/846.5	
5MHz	QPSK	1	0	25.00	25.04	25.04	24.5±1.0
		1	13	25.15	25.14	25.20	
		1	24	25.02	25.02	25.07	
		12	0	24.01	24.00	24.01	23.5±1.0
		12	6	23.99	24.00	24.01	
		12	13	24.06	24.06	24.07	
	25	0	24.07	24.06	24.01	23.5±1.0	
	16QAM	1	0	24.11	24.15	24.16	24.0±1.0
		1	13	24.25	24.28	24.26	
		1	24	24.08	24.23	24.21	
		12	0	23.02	23.00	22.94	22.5±1.0
		12	6	23.00	23.04	23.03	
		12	13	23.11	23.10	23.12	
		25	0	23.04	23.00	23.03	
23.04	23.00	23.03	22.5±1.0				

Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20450/829.0	20525/836.5	20600/844.0	
10MHz	QPSK	1	0	25.03	25.01	25.02	24.5±1.0
		1	25	25.01	25.01	25.01	
		1	49	24.94	25.00	25.01	
		25	0	23.99	24.01	24.01	23.5±1.0
		25	13	24.05	24.03	24.02	
		25	25	24.08	24.06	24.07	
		50	0	24.10	24.08	24.11	
	16QAM	1	0	24.36	24.18	24.23	24.0±1.0
		1	25	24.25	24.11	24.18	
		1	49	24.12	24.17	24.23	
		25	0	23.05	23.09	23.04	22.5±1.0
		25	13	23.09	23.15	23.00	
		25	25	23.11	23.11	23.06	
		50	0	23.03	23.12	23.07	
23.03	23.12	23.07	22.5±1.0				



LTE FDD Band 5 ANT 3 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20407/824.7	20525/836.5	20643/848.3	
1.4MHz	QPSK	1	0	24.58	24.64	24.65	24.0±1.0
		1	3	24.55	24.67	24.61	
		1	5	24.53	24.52	24.57	
		3	0	23.52	23.70	23.72	23.0±1.0
		3	2	23.59	23.68	23.73	
		3	3	23.54	23.72	23.68	
	6	0	23.57	23.71	23.64	23.0±1.0	
	16QAM	1	0	23.61	23.76	23.72	23.5±1.0
		1	3	23.75	23.65	23.75	
		1	5	23.60	23.62	23.81	
		3	0	22.62	22.74	22.85	22.5±1.0
		3	2	22.57	22.75	22.85	
		3	3	22.65	22.76	22.88	
	6	0	22.55	22.64	22.81	22.5±1.0	
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20415/825.5	20525/836.5	20635/847.5	
3MHz	QPSK	1	0	24.43	24.56	24.67	24.0±1.0
		1	7	24.63	24.75	24.61	
		1	14	24.44	24.57	24.59	
		8	0	23.49	23.65	23.55	23.0±1.0
		8	4	23.42	23.63	23.71	
		8	7	23.67	23.71	23.61	
		15	0	23.53	23.70	23.54	
	16QAM	1	0	23.48	23.85	23.91	23.5±1.0
		1	7	23.67	23.94	23.86	
		1	14	23.58	23.76	23.53	
		8	0	22.67	22.71	22.61	22.5±1.0
		8	4	22.53	22.70	22.65	
		8	7	22.67	22.77	22.67	
		15	0	22.66	22.78	22.65	



LTE FDD Band 5 ANT 3 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20425/826.5	20525/836.5	20625/846.5	
5MHz	QPSK	1	0	24.63	24.70	24.67	24.0±1.0
		1	13	24.71	24.62	24.74	
		1	24	24.54	24.71	24.63	
		12	0	23.68	23.70	23.69	23.0±1.0
		12	6	23.67	23.69	23.70	
		12	13	23.74	23.73	23.81	
	25	0	23.73	23.75	23.74	23.0±1.0	
	16QAM	1	0	23.84	23.85	23.80	23.5±1.0
		1	13	23.99	24.05	23.99	
		1	24	23.78	23.86	23.93	
		12	0	22.68	22.68	22.75	22.5±1.0
		12	6	22.67	22.75	22.76	
		12	13	22.73	22.85	22.77	
		25	0	22.80	22.80	22.76	
22.5±1.0							
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20450/829.0	20525/836.5	20600/844.0	
10MHz	QPSK	1	0	24.70	24.66	24.73	24.0±1.0
		1	25	24.63	24.69	24.63	
		1	49	24.68	24.67	24.74	
		25	0	23.71	23.72	23.74	23.5±1.0
		25	13	23.70	23.71	23.71	
		25	25	23.71	23.74	23.77	
		50	0	23.79	23.77	23.82	
	23.0±1.0						
	16QAM	1	0	23.85	23.90	23.98	23.5±1.0
		1	25	23.86	23.91	23.97	
		1	49	23.89	23.93	23.77	
		25	0	22.69	22.78	22.70	22.5±1.0
		25	13	22.76	22.78	22.77	
		25	25	22.76	22.70	22.82	
50		0	22.78	22.80	22.79		
22.5±1.0							



LTE FDD Band 5 ANT 3 DSI 1 Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20407/824.7	20525/836.5	20643/848.3	
1.4MHz	QPSK	1	0	22.59	22.35	22.20	22.0±1.0
		1	3	22.48	22.45	22.23	
		1	5	22.53	22.41	22.34	
		3	0	21.45	21.37	21.32	21.0±1.0
		3	2	21.51	21.49	21.55	
		3	3	21.56	21.43	21.44	
	6	0	21.48	21.44	21.35	21.0±1.0	
	16QAM	1	0	21.23	21.45	21.67	21.0±1.0
		1	3	21.73	21.62	21.56	
		1	5	21.53	21.42	21.34	
		3	0	20.55	20.46	20.39	20.0±1.0
		3	2	20.48	20.55	20.45	
		3	3	20.37	20.50	20.46	
	6	0	20.39	20.46	20.30	20.0±1.0	
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20415/825.5	20525/836.5	20635/847.5	
3MHz	QPSK	1	0	22.42	22.30	22.28	22.0±1.0
		1	7	22.40	22.41	22.58	
		1	14	22.35	22.29	22.35	
		8	0	21.34	21.38	21.25	21.0±1.0
		8	4	21.66	21.43	21.22	
		8	7	21.66	21.47	21.31	
		15	0	21.44	21.39	21.33	21.0±1.0
	16QAM	1	0	21.55	21.57	21.71	21.0±1.0
		1	7	21.68	21.67	21.58	
		1	14	21.67	21.51	21.38	
		8	0	20.56	20.38	20.24	20.0±1.0
		8	4	20.22	20.39	20.57	
		8	7	20.69	20.46	20.61	
		15	0	20.21	20.38	20.33	20.0±1.0



LTE FDD Band 5 ANT 3 DSI 1 Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20425/826.5	20525/836.5	20625/846.5	
5MHz	QPSK	1	0	22.35	22.42	22.34	22.0±1.0
		1	13	22.64	22.64	22.71	
		1	24	22.46	22.43	22.62	
		12	0	21.40	21.42	21.25	21.0±1.0
		12	6	21.58	21.41	21.33	
		12	13	21.34	21.45	21.22	
		25	0	21.41	21.41	21.29	21.0±1.0
	16QAM	1	0	21.43	21.42	21.61	21.0±1.0
		1	13	21.47	21.59	21.58	
		1	24	21.64	21.54	21.31	
		12	0	20.67	20.44	20.25	20.0±1.0
		12	6	20.45	20.36	20.47	
		12	13	20.27	20.50	20.57	
		25	0	20.43	20.41	20.38	20.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20450/829.0	20525/836.5	20600/844.0	
10MHz	QPSK	1	0	22.54	22.43	22.35	22.0±1.0
		1	25	22.17	22.36	22.30	
		1	49	22.31	22.36	22.33	
		25	0	21.30	21.44	21.19	21.0±1.0
		25	13	21.56	21.45	21.60	
		25	25	21.38	21.46	21.35	
		50	0	21.38	21.42	21.23	21.0±1.0
	16QAM	1	0	21.48	21.50	21.68	21.0±1.0
		1	25	21.43	21.58	21.58	
		1	49	21.68	21.63	21.56	
		25	0	20.38	20.47	20.23	20.0±1.0
		25	13	20.47	20.44	20.54	
		25	25	20.40	20.53	20.42	
		50	0	20.50	20.47	20.51	20.0±1.0



4. LTE Band 7 Conducted Power Test Verdict:

LTE FDD Band 7 ANT 2 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20775/2502.5	21100/2535.0	21425/2567.5	
5MHz	QPSK	1	0	24.31	24.43	24.44	24.0±1.0
		1	13	24.25	24.55	24.26	
		1	24	24.32	24.40	24.38	
		12	0	23.26	23.39	23.42	23.0±1.0
		12	6	23.28	23.40	23.44	
		12	13	23.35	23.47	23.17	
	16QAM	25	0	23.33	23.38	23.18	23.0±1.0
		1	0	23.42	23.61	23.67	23.0±1.0
		1	13	23.50	23.60	23.43	
		1	24	23.37	23.57	23.51	
		12	0	22.31	22.32	22.41	22.0±1.0
		12	6	22.41	22.37	22.63	
		12	13	22.39	22.46	22.28	
		25	0	22.34	22.40	22.40	22.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20800/2505.0	21100/2535.0	21400/2565.0	
10MHz	QPSK	1	0	24.35	24.38	24.48	24.0±1.0
		1	25	24.20	24.38	24.42	
		1	49	24.25	24.37	24.31	
		25	0	23.34	23.42	23.50	23.0±1.0
		25	13	23.34	23.41	23.44	
		25	25	23.33	23.52	23.31	
		50	0	23.37	23.45	23.21	23.0±1.0
	16QAM	1	0	23.41	23.53	23.54	23.0±1.0
		1	25	23.35	23.63	23.59	
		1	49	23.44	23.68	23.51	
		25	0	22.40	22.44	22.49	22.0±1.0
		25	13	22.39	22.39	22.48	
		25	25	22.36	22.51	22.55	
		50	0	22.36	22.42	22.45	22.0±1.0



LTE FDD Band 7 ANT 2 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20825/2507.5	21100/2535.0	21375/2562.5	
15MHz	QPSK	1	0	23.43	24.36	24.42	24.0±1.0
		1	38	24.31	24.30	24.26	
		1	74	24.27	24.21	24.15	
		36	0	22.49	23.43	23.44	23.0±1.0
		36	18	22.49	23.52	23.43	
		36	39	23.23	23.25	23.19	
		75	0	23.20	23.30	23.21	23.0±1.0
	16QAM	1	0	23.45	23.40	23.35	23.0±1.0
		1	38	23.19	23.51	23.38	
		1	74	23.31	23.50	23.22	
		36	0	22.52	22.30	22.45	22.0±1.0
		36	18	22.58	22.43	22.48	
		36	39	23.41	22.39	22.34	
		75	0	22.25	22.36	22.32	22.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20850/2510.0	21100/2535.0	21350/2560.0	
20MHz	QPSK	1	0	24.59	24.45	24.32	24.0±1.0
		1	50	24.48	24.33	24.41	
		1	99	24.41	24.28	24.37	
		50	0	23.12	23.35	23.33	23.0±1.0
		50	25	23.15	23.32	23.35	
		50	50	23.20	23.40	23.38	
		100	0	23.22	23.31	23.17	23.0±1.0
	16QAM	1	0	23.37	23.34	23.46	23.0±1.0
		1	50	23.41	23.46	23.39	
		1	99	23.40	23.40	23.37	
		50	0	22.18	22.30	22.34	22.0±1.0
		50	25	22.12	22.30	22.35	
		50	50	22.26	22.42	22.42	
		100	0	22.27	22.33	22.46	22.0±1.0



LTE FDD Band 7 ANT 6 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20775/2502.5	21100/2535.0	21425/2567.5	
5MHz	QPSK	1	0	21.10	21.17	21.05	20.5±1.0
		1	13	21.15	21.03	20.97	
		1	24	21.08	21.11	21.12	
		12	0	19.82	19.84	19.82	19.5±1.0
		12	6	19.90	19.83	19.80	
		12	13	20.04	19.95	19.99	
	16QAM	25	0	19.90	19.84	19.84	19.5±1.0
		1	0	19.85	19.95	19.92	19.5±1.0
		1	13	20.17	20.17	20.11	
		1	24	19.94	20.04	20.15	
		12	0	19.05	18.87	18.98	18.5±1.0
		12	6	19.02	18.82	18.81	
		12	13	18.97	18.96	19.05	
		25	0	19.00	18.88	18.92	18.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20800/2505.0	21100/2535.0	21400/2565.0	
10MHz	QPSK	1	0	21.06	21.13	21.20	20.5±1.0
		1	25	21.07	21.08	21.03	
		1	49	21.18	21.15	21.07	
		25	0	20.12	20.12	20.14	19.5±1.0
		25	13	20.07	20.10	20.01	
		25	25	20.24	20.17	20.22	
		50	0	20.00	20.12	20.05	
	16QAM	1	0	20.31	20.37	20.25	19.5±1.0
		1	25	20.34	20.24	20.20	
		1	49	20.34	20.40	20.32	
		25	0	19.26	19.31	19.23	18.5±1.0
		25	13	19.20	19.15	19.26	
		25	25	19.30	19.24	19.23	
		50	0	19.04	19.16	19.08	



LTE FDD Band 7 ANT 6 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20825/2507.5	21100/2535.0	21375/2562.5	
15MHz	QPSK	1	0	21.01	20.97	21.02	20.5±1.0
		1	38	20.83	20.95	20.93	
		1	74	20.89	20.86	20.75	
		36	0	19.98	20.09	20.14	19.5±1.0
		36	18	19.99	20.07	20.03	
		36	39	19.92	20.01	19.97	
		75	0	20.01	19.98	20.02	19.5±1.0
	16QAM	1	0	20.04	20.01	20.09	19.5±1.0
		1	38	20.19	20.27	20.15	
		1	74	20.15	20.23	20.30	
		36	0	19.92	20.01	20.07	18.5±1.0
		36	18	20.07	20.09	20.10	
		36	39	19.96	20.00	20.08	
		75	0	19.11	19.16	19.10	18.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20850/2510.0	21100/2535.0	21350/2560.0	
20MHz	QPSK	1	0	21.11	21.07	21.05	20.5±1.0
		1	50	21.07	21.04	21.16	
		1	99	21.15	21.09	21.01	
		50	0	20.05	20.04	19.95	19.5±1.0
		50	25	20.00	19.99	20.04	
		50	50	20.22	20.11	20.10	
		100	0	20.06	20.03	20.06	19.5±1.0
	16QAM	1	0	20.25	20.24	20.26	19.5±1.0
		1	50	20.38	20.33	20.45	
		1	99	20.28	20.19	20.25	
		50	0	18.94	19.03	18.99	18.5±1.0
		50	25	19.03	18.97	18.95	
		50	50	19.05	19.11	19.10	
		100	0	19.04	19.03	18.95	18.5±1.0



LTE FDD Band 7 ANT 6 DSI 1 Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20775/2502.5	21100/2535.0	21425/2567.5	
5MHz	QPSK	1	0	18.92	18.74	18.91	18.5±1.0
		1	13	18.95	18.88	18.80	
		1	24	18.79	18.71	18.55	
		12	0	17.82	17.96	17.83	17.5±1.0
		12	6	17.75	17.64	17.98	
		12	13	17.94	17.93	17.96	
		25	0	17.82	17.86	17.91	17.5±1.0
	16QAM	1	0	17.91	17.85	18.05	17.5±1.0
		1	13	17.76	17.90	17.91	
		1	24	18.13	17.90	17.82	
		12	0	17.01	16.87	16.95	16.5±1.0
		12	6	16.93	16.91	16.92	
		12	13	16.95	16.78	17.03	
		25	0	16.92	16.81	16.95	16.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20800/2505.0	21100/2535.0	21400/2565.0	
10MHz	QPSK	1	0	18.91	19.06	18.96	18.5±1.0
		1	25	18.87	18.82	18.90	
		1	49	18.83	18.91	18.85	
		25	0	17.44	17.68	17.49	17.5±1.0
		25	13	17.49	17.67	17.74	
		25	25	17.51	17.74	17.75	
		50	0	17.67	17.66	17.53	17.5±1.0
	16QAM	1	0	18.07	17.97	18.03	17.5±1.0
		1	25	18.12	17.93	18.08	
		1	49	17.70	17.82	17.74	
		25	0	16.91	16.68	16.74	16.5±1.0
		25	13	16.91	16.73	16.77	
		25	25	16.65	16.83	16.77	
		50	0	16.59	16.66	16.54	16.5±1.0



LTE FDD Band 7 ANT 6 DSI 1 Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20825/2507.5	21100/2535.0	21375/2562.5	
15MHz	QPSK	1	0	18.76	18.83	18.74	18.5±1.0
		1	38	18.74	18.55	18.96	
		1	74	18.83	18.79	18.75	
		36	0	17.96	17.86	17.93	17.5±1.0
		36	18	17.90	17.74	17.88	
		36	39	17.51	17.73	17.61	
		75	0	17.40	17.60	17.39	17.5±1.0
	16QAM	1	0	17.68	17.75	17.77	17.5±1.0
		1	38	17.92	17.95	18.03	
		1	74	17.80	17.74	17.97	
		36	0	17.82	17.81	17.81	16.5±1.0
		36	18	17.64	17.68	17.81	
		36	39	17.86	17.81	17.82	
		75	0	16.54	16.66	16.58	
16.5±1.0							
16.5±1.0							
16.5±1.0							
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20850/2510.0	21100/2535.0	21350/2560.0	
20MHz	QPSK	1	0	19.06	19.14	18.94	18.5±1.0
		1	50	18.93	18.99	18.95	
		1	99	18.86	18.81	18.90	
		50	0	17.86	17.74	17.92	17.5±1.0
		50	25	17.88	17.85	17.89	
		50	50	17.91	17.81	17.86	
		100	0	17.82	17.76	17.75	
	17.5±1.0						
	16QAM	1	0	18.06	17.95	18.02	17.5±1.0
		1	50	18.00	18.01	17.99	
		1	99	18.07	17.52	17.97	
		50	0	16.84	16.65	16.97	16.5±1.0
		50	25	16.90	13.94	16.85	
		50	50	16.96	16.81	16.90	
100		0	16.76	16.84	16.80		
16.5±1.0							



5. LTE Band 12 Conducted Power Test Verdict:

LTE FDD Band 12 ANT 1 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				23017/699.7	23095/707.5	23173/715.3	
1.4MHz	QPSK	1	0	25.00	25.04	25.02	24.5±1.0
		1	3	24.99	25.13	25.11	
		1	5	25.04	25.04	24.96	
		3	0	23.89	23.97	23.96	23.5±1.0
		3	2	23.88	23.96	23.91	
		3	3	23.91	23.98	24.02	
	6	0	23.87	23.90	23.89	23.5±1.0	
	16QAM	1	0	24.17	24.20	24.14	23.5±1.0
		1	3	24.28	24.26	24.20	
		1	5	24.06	24.22	24.14	
		3	0	23.08	23.05	23.06	22.5±1.0
		3	2	23.06	23.11	23.12	
		3	3	22.99	23.08	23.13	
	6	0	22.96	22.91	23.08	22.5±1.0	
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
3MHz	QPSK	1	0	24.91	24.88	24.87	24.5±1.0
		1	7	25.01	25.00	25.00	
		1	14	24.89	24.90	24.87	
		8	0	23.97	23.93	23.88	23.5±1.0
		8	4	23.97	23.93	23.91	
		8	7	23.97	23.96	23.95	
	15	0	23.96	23.90	23.95	23.5±1.0	
	16QAM	1	0	24.08	24.06	24.00	23.5±1.0
		1	7	24.29	24.13	24.18	
		1	14	24.08	24.01	24.03	
		8	0	22.99	22.95	22.89	22.5±1.0
		8	4	23.02	22.96	22.91	
		8	7	22.94	23.03	23.01	
	15	0	23.03	22.94	22.98	22.5±1.0	



LTE FDD Band 12 ANT 1 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				23035/701.5	23095/707.5	23155/713.5	
5MHz	QPSK	1	0	24.89	25.03	24.96	24.5±1.0
		1	13	25.07	25.16	25.08	
		1	24	24.91	25.00	24.96	
		12	0	23.89	23.95	23.95	23.5±1.0
		12	6	23.91	23.95	23.87	
		12	13	23.98	24.01	23.98	
	16QAM	25	0	23.99	23.95	24.01	23.5±1.0
		1	0	24.01	24.04	24.20	23.5±1.0
		1	13	24.18	24.15	24.10	
		1	24	24.13	24.03	24.13	
		12	0	22.87	22.92	22.91	22.5±1.0
		12	6	22.83	22.99	22.92	
		12	13	23.02	23.06	23.00	
		25	0	23.01	22.95	22.99	22.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				23060/704.0	23095/707.5	23130/711.0	
10MHz	QPSK	1	0	25.01	25.06	24.97	24.5±1.0
		1	25	24.96	24.99	24.96	
		1	49	24.91	24.96	24.92	
		25	0	23.92	23.99	23.94	23.5±1.0
		25	13	23.95	23.99	23.96	
		25	25	23.97	24.02	24.00	
		50	0	24.03	23.97	24.02	
	16QAM	1	0	24.15	24.17	24.11	23.5±1.0
		1	25	24.17	24.18	24.04	
		1	49	24.16	24.10	24.17	
		25	0	22.95	22.98	22.91	22.5±1.0
		25	13	22.97	22.98	22.92	
		25	25	23.00	23.04	23.06	
		50	0	23.01	22.98	23.00	



LTE FDD Band 12 ANT 3 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				23017/699.7	23095/707.5	23173/715.3	
1.4MHz	QPSK	1	0	22.89	22.89	22.97	22.5±1.0
		1	3	22.90	22.99	22.98	
		1	5	22.85	22.95	23.04	
		3	0	21.95	21.95	21.88	21.5±1.0
		3	2	21.97	21.96	21.98	
		3	3	21.86	21.97	21.92	
	6	0	21.80	21.86	21.86	21.5±1.0	
	16QAM	1	0	21.86	21.82	21.88	21.5±1.0
		1	3	21.93	21.94	21.88	
		1	5	21.89	21.95	21.83	
		3	0	20.90	20.84	20.93	20.5±1.0
		3	2	20.88	20.87	20.93	
		3	3	20.75	20.87	20.98	
	6	0	20.87	20.77	20.89	20.5±1.0	
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				23025/700.5	23095/707.5	23165/714.5	
3MHz	QPSK	1	0	22.66	22.64	22.65	22.5±1.0
		1	7	22.82	22.82	22.94	
		1	14	22.59	22.69	22.80	
		8	0	21.58	21.69	21.80	21.5±1.0
		8	4	21.62	21.70	21.58	
		8	7	21.87	21.76	21.78	
		15	0	21.69	21.69	21.61	21.5±1.0
	16QAM	1	0	21.74	21.73	21.76	21.5±1.0
		1	7	21.80	21.89	21.99	
		1	14	21.85	21.79	21.86	
		8	0	20.81	20.69	20.69	20.5±1.0
		8	4	20.62	20.70	20.81	
		8	7	20.73	20.79	20.90	
		15	0	20.74	20.74	20.71	20.0±1.0



LTE FDD Band 12 ANT 3 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				23035/701.5	23095/707.5	23155/713.5	
5MHz	QPSK	1	0	22.60	22.72	22.82	22.5±1.0
		1	13	22.86	22.87	22.86	
		1	24	22.67	22.73	22.65	
		12	0	21.70	21.70	21.77	21.5±1.0
		12	6	21.80	21.70	21.75	
		12	13	21.77	21.78	21.76	
	25	0	21.71	21.72	21.79	21.5±1.0	
	16QAM	1	0	21.89	22.01	21.98	21.5±1.0
		1	13	22.11	22.00	21.96	
		1	24	21.97	21.93	21.91	
		12	0	20.61	20.69	20.63	20.5±1.0
		12	6	20.72	20.73	20.64	
		12	13	20.95	20.83	20.88	
		25	0	20.71	20.73	20.68	20.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				23060/704.0	23095/707.5	23130/711.0	
10MHz	QPSK	1	0	22.95	23.04	23.01	22.5±1.0
		1	25	23.02	22.95	22.91	
		1	49	22.93	22.89	22.92	
		25	0	21.87	21.92	21.91	21.5±1.0
		25	13	21.86	21.82	21.90	
		25	25	21.93	21.91	21.99	
		50	0	21.80	21.83	21.73	21.5±1.0
	16QAM	1	0	21.93	22.03	21.99	21.5±1.0
		1	25	22.15	22.07	22.09	
		1	49	22.04	22.14	22.20	
		25	0	21.11	21.00	21.08	20.5±1.0
		25	13	20.88	21.00	20.95	
		25	25	20.98	21.06	20.98	
		50	0	20.94	20.96	20.86	20.5±1.0



LTE FDD Band 12 ANT 3 DSI 1 Power				Conducted Power(dBm)						
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up			
				23017/699.7	23095/707.5	23173/715.3				
1.4MHz	QPSK	1	0	20.06	20.16	20.08	19.5±1.0			
		1	3	20.09	20.01	20.20				
		1	5	20.12	20.05	20.13				
		3	0	18.89	18.98	18.93	18.5±1.0			
		3	2	18.84	18.94	19.02				
		3	3	18.95	18.96	18.80				
	16QAM	16QAM	6	0	18.73	18.89	18.95	18.5±1.0		
			1	0	19.08	19.04	19.16	18.5±1.0		
			1	3	19.40	19.23	19.16			
			1	5	19.00	19.20	19.17			
			3	0	18.09	18.07	18.10	17.5±1.0		
			3	2	17.92	18.07	18.12			
			3	3	17.90	18.10	17.91			
			6	0	18.02	17.96	18.01	17.5±1.0		
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up			
				23025/700.5	23095/707.5	23165/714.5				
3MHz	QPSK	1	0	20.02	19.83	19.83	19.5±1.0			
		1	7	19.83	19.95	20.19				
		1	14	19.95	19.87	19.64				
		16QAM	16QAM	8	0	18.98	18.90	19.00	18.5±1.0	
				8	4	18.65	18.90	18.75		
				8	7	18.98	18.97	18.78		
				15	0	18.89	18.91	19.12	18.5±1.0	
	16QAM			16QAM	1	0	19.22	19.08	19.13	18.5±1.0
					1	7	19.24	19.23	19.22	
					1	14	19.12	19.15	19.15	
		8	0		17.80	17.97	17.88	17.5±1.0		
		8	4		18.04	17.94	18.08			
		8	7		17.92	18.02	18.16			
	15	0	17.86	17.95	17.92	17.5±1.0				



LTE FDD Band 12 ANT 3 DSI 1 Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				23035/701.5	23095/707.5	23155/713.5	
5MHz	QPSK	1	0	20.10	19.92	19.97	19.5±1.0
		1	13	20.13	20.08	19.95	
		1	24	19.81	19.92	20.15	
		12	0	18.76	18.91	19.04	18.5±1.0
		12	6	18.82	18.92	18.74	
		12	13	19.05	18.98	19.10	
	16QAM	25	0	18.74	18.91	19.10	18.5±1.0
		1	0	19.13	19.12	19.19	18.5±1.0
		1	13	19.20	19.00	18.75	
		1	24	18.91	19.15	18.97	
		12	0	18.10	17.97	17.73	17.5±1.0
		12	6	17.69	17.85	17.98	
		12	13	18.12	18.06	18.14	
		25	0	17.91	17.89	17.71	17.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				23060/704.0	23095/707.5	23130/711.0	
10MHz	QPSK	1	0	19.96	19.89	20.12	19.5±1.0
		1	25	19.81	20.00	19.82	
		1	49	19.85	19.92	19.72	
		25	0	18.73	18.93	19.06	18.5±1.0
		25	13	19.10	18.93	18.94	
		25	25	19.03	19.05	19.02	
		50	0	18.82	18.97	19.14	18.5±1.0
	16QAM	1	0	19.02	19.02	19.16	18.5±1.0
		1	25	19.15	19.12	18.88	
		1	49	19.22	19.14	19.04	
		25	0	17.93	17.95	18.03	17.5±1.0
		25	13	17.96	17.96	17.93	
		25	25	18.12	18.02	17.86	
		50	0	18.07	17.95	17.91	17.5±1.0



6. LTE Band 17 Conducted Power Test Verdict:

LTE FDD Band 17 ANT 1 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				23755/706.5	23790/710.0	23825/713.5	
5MHz	QPSK	1	0	24.82	24.95	24.95	24.5±1.0
		1	13	25.08	25.11	25.07	
		1	24	25.05	24.98	24.82	
		12	0	23.78	23.96	23.93	23.5±1.0
		12	6	23.84	23.97	23.92	
		12	13	24.01	24.01	23.97	
		25	0	24.01	23.98	23.97	23.5±1.0
	16QAM	1	0	24.17	24.09	23.93	23.5±1.0
		1	13	24.20	24.13	24.14	
		1	24	24.14	24.14	23.94	
		12	0	22.86	22.98	22.92	22.5±1.0
		12	6	22.86	23.03	22.99	
		12	13	23.12	23.00	22.97	
		25	0	22.99	22.96	22.98	22.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				23780/709.0	23790/710.0	23800/711.0	
10MHz	QPSK	1	0	24.96	25.07	25.00	24.5±1.0
		1	25	25.00	25.03	24.99	
		1	49	24.90	24.98	24.91	
		25	0	23.98	23.96	24.00	23.5±1.0
		25	13	23.97	23.99	24.01	
		25	25	24.02	24.03	24.01	
		50	0	23.98	24.00	23.94	23.5±1.0
	16QAM	1	0	23.92	24.12	24.14	23.5±1.0
		1	25	24.23	24.26	24.16	
		1	49	24.19	24.15	24.11	
		25	0	23.02	23.03	23.03	22.5±1.0
		25	13	23.02	22.99	23.03	
		25	25	23.09	23.06	23.11	
		50	0	22.99	22.97	22.97	22.5±1.0



LTE FDD Band 17 ANT 3 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				23755/706.5	23790/710.0	23825/713.5	
5MHz	QPSK	1	0	23.06	23.15	23.05	22.5±1.0
		1	13	23.08	23.13	23.11	
		1	24	23.05	23.07	23.03	
		12	0	22.12	22.12	22.02	21.5±1.0
		12	6	22.23	22.14	22.13	
		12	13	22.19	22.17	22.20	
	16QAM	25	0	22.18	22.11	22.07	21.5±1.0
		1	0	22.34	22.23	22.30	22.0±1.0
		1	13	22.29	22.25	22.31	
		1	24	22.20	22.28	22.25	
		12	0	21.22	21.35	21.28	21.0±1.0
		12	6	21.32	21.27	21.17	
		12	13	21.19	21.16	21.26	
		25	0	21.30	21.25	21.26	21.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				23780/709.0	23790/710.0	23800/711.0	
10MHz	QPSK	1	0	23.04	23.09	23.04	22.5±1.0
		1	25	23.04	23.13	23.14	
		1	49	23.01	23.04	23.09	
		25	0	22.11	22.13	22.24	21.5±1.0
		25	13	22.13	22.14	22.24	
		25	25	22.18	22.19	22.21	
		50	0	22.02	22.13	22.25	21.5±1.0
	16QAM	1	0	22.20	22.32	22.24	22.0±1.0
		1	25	22.47	22.39	22.36	
		1	49	22.17	22.23	22.30	
		25	0	21.33	21.36	21.25	21.0±1.0
		25	13	21.23	21.15	21.18	
		25	25	21.25	21.23	21.34	
		50	0	21.22	21.33	21.24	21.0±1.0



LTE FDD Band 17 ANT 3 DSI 1 Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				23755/706.5	23790/710.0	23825/713.5	
5MHz	QPSK	1	0	19.74	19.92	19.91	19.5±1.0
		1	13	20.03	20.13	20.12	
		1	24	19.75	19.93	19.97	
		12	0	18.75	18.93	18.84	18.5±1.0
		12	6	18.93	18.94	18.72	
		12	13	19.04	18.99	18.76	
		25	0	18.97	18.91	18.73	18.5±1.0
	16QAM	1	0	19.23	19.17	18.99	18.5±1.0
		1	13	19.23	19.24	19.15	
		1	24	19.20	19.21	19.20	
		12	0	18.10	17.97	18.09	17.5±1.0
		12	6	17.98	17.98	18.01	
		12	13	17.98	17.96	18.03	
		25	0	17.99	17.93	18.05	17.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				23780/709.0	23790/710.0	23800/711.0	
10MHz	QPSK	1	0	19.98	19.89	20.08	19.5±1.0
		1	25	19.86	19.93	20.07	
		1	49	20.11	19.86	19.99	
		25	0	19.14	18.92	19.00	18.5±1.0
		25	13	19.09	18.94	18.85	
		25	25	18.95	18.97	18.91	
		50	0	18.78	18.92	18.86	18.5±1.0
	16QAM	1	0	19.31	19.13	18.92	18.5±1.0
		1	25	19.12	19.02	18.89	
		1	49	19.07	19.06	19.04	
		25	0	17.86	17.95	17.86	17.5±1.0
		25	13	17.96	17.90	18.06	
		25	25	17.86	17.98	18.08	
		50	0	17.83	17.92	17.95	17.5±1.0



7. LTE Band 41 Conducted Power Test Verdict:

LTE FDD Band 41 ANT 2 Full Power				Conducted Power(dBm)			Tune up
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			
				39675/2498.5	40620/2593.0	41565/2687.5	
5MHz	QPSK	1	0	25.43	25.47	25.36	25.0±1.0
		1	13	25.64	25.51	25.45	
		1	24	25.35	25.49	25.49	
		12	0	24.28	24.43	24.48	24.0±1.0
		12	6	24.69	24.51	24.67	
		12	13	24.29	24.47	24.39	
	25	0	24.53	24.38	24.23	24.0±1.0	
	16QAM	1	0	24.73	24.61	24.73	24.0±1.0
		1	13	24.58	24.71	24.80	
		1	24	24.51	24.62	24.68	
		12	0	23.44	23.43	23.46	23.0±1.0
		12	6	23.54	23.62	23.78	
		12	13	23.63	23.49	23.60	
		25	0	23.57	23.42	23.54	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
10MHz	QPSK	1	0	25.47	25.31	25.47	25.0±1.0
		1	25	25.55	25.44	25.53	
		1	49	25.48	25.41	25.45	
		25	0	24.23	24.36	24.34	24.0±1.0
		25	13	24.36	24.47	24.57	
		25	25	24.46	24.45	24.36	
		50	0	24.20	24.24	24.46	24.0±1.0
	16QAM	1	0	24.32	24.32	24.22	24.0±1.0
		1	25	24.48	24.42	24.32	
		1	49	24.51	24.59	24.48	
		25	0	23.48	23.43	23.36	23.0±1.0
		25	13	23.26	23.45	23.42	
		25	25	23.55	23.49	23.48	
		50	0	23.55	23.38	23.39	23.0±1.0



LTE FDD Band 41 ANT 2 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				39725/2503.5	40620/2593.0	41515/2682.5	
15MHz	QPSK	1	0	25.37	25.44	25.35	25.0±1.0
		1	38	25.51	25.45	25.58	
		1	74	25.32	25.41	25.52	
		36	0	24.36	24.24	24.28	24.0±1.0
		36	18	24.26	24.27	24.43	
		36	39	24.32	24.30	24.44	
		75	0	24.21	24.25	24.39	24.0±1.0
	16QAM	1	0	24.86	24.79	24.96	24.0±1.0
		1	38	24.43	24.56	24.55	
		1	74	24.59	24.68	24.49	
		36	0	23.14	23.25	23.26	23.0±1.0
		36	18	23.37	23.26	23.26	
		36	39	23.16	23.35	23.19	
		75	0	23.40	23.27	23.30	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				39750/2506.0	40620/2593.0	41490/2680.0	
20MHz	QPSK	1	0	25.51	25.45	25.61	25.0±1.0
		1	50	25.43	25.32	25.57	
		1	99	25.44	25.47	25.32	
		50	0	24.21	24.25	24.14	24.0±1.0
		50	25	24.11	24.27	24.20	
		50	50	24.34	24.32	24.31	
		100	0	24.24	24.21	24.21	24.0±1.0
	16QAM	1	0	24.27	24.38	24.51	24.0±1.0
		1	50	24.58	24.62	24.47	
		1	99	24.59	24.68	24.71	
		50	0	23.14	23.28	23.24	23.0±1.0
		50	25	23.17	23.29	23.40	
		50	50	23.42	23.38	23.55	
		100	0	23.23	23.42	23.40	23.0±1.0



LTE FDD Band 41 ANT 4 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				39675/2498.5	40620/2593.0	41565/2687.5	
5MHz	QPSK	1	0	25.70	25.78	25.80	25.5±1.0
		1	13	25.89	25.86	25.95	
		1	24	26.01	25.90	25.86	
		12	0	24.74	24.85	24.88	24.5±1.0
		12	6	24.83	24.88	24.95	
		12	13	24.92	24.87	25.05	
	25	0	24.69	24.78	24.83	24.5±1.0	
	16QAM	1	0	24.92	25.07	25.21	24.5±1.0
		1	13	24.91	25.09	25.17	
		1	24	25.23	25.03	25.13	
		12	0	23.70	23.87	24.02	23.5±1.0
		12	6	23.88	23.79	23.72	
		12	13	23.94	23.81	23.81	
		25	0	23.74	23.82	23.91	23.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				39700/2501.0	40620/2593.0	41540/2685.0	
10MHz	QPSK	1	0	25.71	25.80	25.84	25.5±1.0
		1	25	25.85	25.93	26.05	
		1	49	26.01	25.90	25.86	
		25	0	24.80	24.86	24.83	24.5±1.0
		25	13	24.86	24.83	24.71	
		25	25	24.69	24.81	24.66	
		50	0	24.94	24.85	24.77	24.5±1.0
	16QAM	1	0	24.93	24.94	25.11	24.5±1.0
		1	25	25.17	25.07	25.02	
		1	49	25.05	25.02	25.01	
		25	0	23.64	23.84	23.70	23.5±1.0
		25	13	23.76	23.79	23.64	
		25	25	24.01	23.91	23.91	
		50	0	23.57	23.72	23.67	23.0±1.0



LTE FDD Band 41 ANT 4 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				39725/2503.5	40620/2593.0	41515/2682.5	
15MHz	QPSK	1	0	25.65	25.46	25.38	25.0±1.0
		1	38	25.71	25.51	25.37	
		1	74	25.55	25.61	25.64	
		36	0	24.49	24.69	24.72	24.5±1.0
		36	18	24.71	24.54	24.49	
		36	39	24.57	24.45	24.60	
		75	0	24.26	24.46	24.35	24.5±1.0
	16QAM	1	0	24.99	24.85	24.86	24.5±1.0
		1	38	24.94	24.94	25.01	
		1	74	25.11	24.99	25.02	
		36	0	23.75	23.62	23.60	23.5±1.0
		36	18	23.68	23.51	23.40	
		36	39	23.58	23.61	23.61	
		75	0	23.40	23.49	23.64	23.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				39750/2506.0	40620/2593.0	41490/2680.0	
20MHz	QPSK	1	0	25.79	25.85	25.91	25.5±1.0
		1	50	25.69	25.54	25.60	
		1	99	25.80	25.74	25.91	
		50	0	24.46	24.56	24.42	24.5±1.0
		50	25	24.56	24.51	24.63	
		50	50	24.66	24.56	24.53	
		100	0	24.36	24.54	24.66	24.5±1.0
	16QAM	1	0	24.89	24.74	24.90	24.5±1.0
		1	50	25.01	24.81	24.61	
		1	99	24.64	24.82	24.85	
		50	0	23.54	23.56	23.36	23.5±1.0
		50	25	23.60	23.66	23.77	
		50	50	23.65	23.73	23.65	
		100	0	23.82	23.67	23.52	23.5±1.0



LTE FDD Band 41 ANT 4 DSI 1 Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				39675/2498.5	40620/2593.0	41565/2687.5	
5MHz	QPSK	1	0	24.16	24.35	24.30	24.0±1.0
		1	13	24.41	24.27	24.31	
		1	24	24.11	24.18	24.20	
		12	0	23.52	23.69	23.58	23.0±1.0
		12	6	23.65	23.69	23.39	
		12	13	23.51	23.67	23.45	
		25	0	23.50	23.46	23.40	23.0±1.0
	16QAM	1	0	23.43	23.63	23.51	23.0±1.0
		1	13	23.52	23.44	23.67	
		1	24	23.56	23.69	23.47	
		12	0	22.48	22.69	22.59	22.0±1.0
		12	6	22.51	22.64	22.66	
		12	13	22.45	22.61	22.46	
		25	0	22.38	22.66	22.47	22.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
10MHz	QPSK	1	0	24.16	24.25	24.37	24.0±1.0
		1	25	24.22	24.22	24.19	
		1	49	24.24	24.26	24.21	
		25	0	23.49	23.28	23.37	23.0±1.0
		25	13	23.44	23.31	23.56	
		25	25	23.30	23.29	23.52	
		50	0	23.27	23.23	23.40	23.0±1.0
	16QAM	1	0	23.74	23.51	23.56	23.0±1.0
		1	25	23.63	23.63	23.68	
		1	49	23.85	23.70	23.77	
		25	0	22.77	22.70	22.78	22.0±1.0
		25	13	22.91	22.71	22.55	
		25	25	22.62	22.68	22.44	
		50	0	22.67	22.65	22.43	22.0±1.0



LTE FDD Band 41 ANT 4 DSI 1 Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				39725/2503.5	40620/2593.0	41515/2682.5	
15MHz	QPSK	1	0	24.46	24.29	24.19	24.0±1.0
		1	38	24.34	24.36	24.42	
		1	74	24.43	24.50	24.47	
		36	0	23.64	23.42	23.40	23.0±1.0
		36	18	23.87	23.64	23.56	
		36	39	23.75	23.84	23.87	
		75	0	23.41	23.55	23.47	23.0±1.0
	16QAM	1	0	23.88	23.66	23.68	23.0±1.0
		1	38	23.47	23.67	23.49	
		1	74	23.68	23.77	23.59	
		36	0	22.68	22.56	22.69	22.0±1.0
		36	18	22.57	22.46	22.66	
		36	39	22.44	22.53	22.47	
		75	0	22.36	22.45	22.59	22.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				39750/2506.0	40620/2593.0	41490/2680.0	
20MHz	QPSK	1	0	24.35	24.41	24.33	24.0±1.0
		1	50	24.33	24.38	24.40	
		1	99	24.19	24.20	24.33	
		50	0	23.89	23.84	23.74	23.0±1.0
		50	25	23.52	23.67	23.59	
		50	50	23.91	23.80	23.74	
		100	0	23.65	23.77	23.64	23.0±1.0
	16QAM	1	0	23.77	23.80	23.96	23.0±1.0
		1	50	23.93	23.92	23.89	
		1	99	23.85	23.78	23.78	
		50	0	22.86	22.77	22.70	22.0±1.0
		50	25	22.74	22.71	22.68	
		50	50	22.52	22.73	22.83	
		100	0	22.59	22.69	22.68	22.0±1.0



LTE FDD Band 41 ANT 6 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				39675/2498.5	40620/2593.0	41565/2687.5	
5MHz	QPSK	1	0	23.31	23.33	23.29	23.0±1.0
		1	13	23.44	23.35	23.45	
		1	24	23.34	23.37	23.30	
		12	0	22.27	22.24	22.26	22.0±1.0
		12	6	22.27	22.17	22.20	
		12	13	22.30	22.31	22.32	
	25	0	22.24	22.20	22.24	22.0±1.0	
	16QAM	1	0	22.55	22.49	22.48	22.0±1.0
		1	13	22.47	22.57	22.53	
		1	24	22.53	22.54	22.51	
		12	0	21.36	21.27	21.26	21.0±1.0
		12	6	21.34	21.29	21.30	
		12	13	21.33	21.35	21.39	
		25	0	21.27	21.26	21.32	21.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				39700/2501.0	40620/2593.0	41540/2685.0	
10MHz	QPSK	1	0	23.27	23.34	23.30	23.0±1.0
		1	25	23.26	23.27	23.41	
		1	49	23.35	23.23	23.25	
		25	0	22.26	22.28	22.28	22.0±1.0
		25	13	22.25	22.27	22.37	
		25	25	22.32	22.37	22.37	
		50	0	22.20	22.26	22.29	22.0±1.0
	16QAM	1	0	22.40	22.41	22.45	22.0±1.0
		1	25	22.48	22.46	22.39	
		1	49	22.56	22.45	22.39	
		25	0	21.23	21.30	21.38	21.0±1.0
		25	13	21.41	21.25	21.38	
		25	25	21.33	21.39	21.37	
		50	0	21.33	21.27	21.29	21.0±1.0



LTE FDD Band 41 ANT 6 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				39725/2503.5	40620/2593.0	41515/2682.5	
15MHz	QPSK	1	0	23.14	23.05	23.07	23.0±1.0
		1	38	23.12	23.06	22.95	
		1	74	23.14	23.13	23.16	
		36	0	22.19	22.28	22.26	22.0±1.0
		36	18	22.13	22.14	22.10	
		36	39	22.23	22.26	22.21	
		75	0	22.04	22.11	22.22	22.0±1.0
	16QAM	1	0	22.32	22.29	22.32	22.0±1.0
		1	38	22.24	22.34	22.39	
		1	74	22.35	22.31	22.35	
		36	0	21.30	21.29	21.33	21.0±1.0
		36	18	21.21	21.32	21.17	
		36	39	21.29	21.35	21.20	
		75	0	21.26	21.33	21.31	21.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				39750/2506.0	40620/2593.0	41490/2680.0	
20MHz	QPSK	1	0	23.29	23.34	23.27	23.0±1.0
		1	50	23.26	23.41	23.38	
		1	99	23.27	23.33	23.28	
		50	0	22.30	22.24	22.15	22.0±1.0
		50	25	22.25	22.21	22.27	
		50	50	22.26	22.34	22.23	
		100	0	22.11	22.23	22.31	22.0±1.0
	16QAM	1	0	22.34	22.28	22.30	22.0±1.0
		1	50	22.37	22.41	22.41	
		1	99	22.39	22.33	22.31	
		50	0	21.23	21.12	21.32	21.0±1.0
		50	25	21.38	21.33	21.24	
		50	50	21.35	21.27	21.27	
		100	0	21.24	21.28	21.29	21.0±1.0



LTE FDD Band 41 ANT 6 DSI 1 Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				39675/2498.5	40620/2593.0	41565/2687.5	
5MHz	QPSK	1	0	22.31	22.28	22.31	22.0±1.0
		1	13	22.45	22.30	22.27	
		1	24	22.33	22.35	22.40	
		12	0	21.31	21.45	21.40	21.0±1.0
		12	6	21.27	21.43	21.37	
		12	13	21.40	21.22	21.31	
		25	0	21.25	21.13	21.21	21.0±1.0
	16QAM	1	0	21.41	21.29	21.32	21.0±1.0
		1	13	21.29	21.41	21.50	
		1	24	21.49	21.26	21.22	
		12	0	20.41	20.41	20.41	20.0±1.0
		12	6	20.46	20.39	20.39	
		12	13	20.35	20.43	20.41	
		25	0	20.37	20.31	20.25	20.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				39700/2501.0	40620/2593.0	41540/2685.0	
10MHz	QPSK	1	0	22.40	22.29	22.12	22.0±1.0
		1	25	22.18	22.37	22.31	
		1	49	22.25	22.33	22.19	
		25	0	21.27	21.40	21.45	21.0±1.0
		25	13	21.38	21.39	21.30	
		25	25	21.33	21.49	21.42	
		50	0	21.28	21.32	21.35	21.0±1.0
	16QAM	1	0	21.32	21.40	21.36	21.0±1.0
		1	25	21.39	21.30	21.50	
		1	49	21.16	21.35	21.50	
		25	0	20.20	20.21	20.38	20.0±1.0
		25	13	20.31	20.18	20.36	
		25	25	20.45	20.27	20.43	
		50	0	20.29	20.26	20.41	20.0±1.0



LTE FDD Band 41 ANT 6 DSI 1 Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				39725/2503.5	40620/2593.0	41515/2682.5	
15MHz	QPSK	1	0	22.20	22.28	22.42	22.0±1.0
		1	38	22.41	22.21	22.46	
		1	74	22.06	22.27	22.18	
		36	0	21.17	21.34	21.09	21.0±1.0
		36	18	21.46	21.47	21.60	
		36	39	21.61	21.49	21.34	
		75	0	21.28	21.19	21.26	21.0±1.0
	16QAM	1	0	21.45	21.43	21.29	21.0±1.0
		1	38	21.24	21.45	21.64	
		1	74	21.50	21.57	21.33	
		36	0	20.35	20.40	20.29	20.0±1.0
		36	18	20.39	20.42	20.51	
		36	39	20.26	20.31	20.79	
		75	0	20.27	20.22	20.35	20.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				39750/2506.0	40620/2593.0	41490/2680.0	
20MHz	QPSK	1	0	22.41	22.35	22.50	22.0±1.0
		1	50	22.29	22.30	22.34	
		1	99	22.33	22.38	22.27	
		50	0	21.46	21.53	21.45	21.0±1.0
		50	25	21.46	21.24	21.29	
		50	50	21.30	21.31	21.24	
		100	0	21.12	21.24	21.32	21.0±1.0
	16QAM	1	0	21.36	21.39	21.32	21.0±1.0
		1	50	21.25	21.41	21.30	
		1	99	21.45	21.53	21.46	
		50	0	20.27	20.30	20.45	20.0±1.0
		50	25	20.31	20.27	20.39	
		50	50	20.49	20.35	20.52	
		100	0	20.31	20.28	20.22	20.0±1.0



LTE FDD Band 41 ANT 8 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				39675/2498.5	40620/2593.0	41565/2687.5	
5MHz	QPSK	1	0	23.08	23.04	22.98	22.5±1.0
		1	13	23.09	23.15	23.04	
		1	24	23.12	23.01	22.99	
		12	0	22.05	22.04	22.08	21.5±1.0
		12	6	22.19	22.07	22.14	
		12	13	22.10	22.05	21.96	
	25	0	22.11	22.09	22.18	21.5±1.0	
	16QAM	1	0	22.32	22.31	22.27	22.0±1.0
		1	13	22.28	22.30	22.33	
		1	24	22.29	22.33	22.45	
		12	0	21.30	21.32	21.35	21.0±1.0
		12	6	21.24	21.36	21.25	
		12	13	21.26	21.31	21.29	
	25	0	21.21	21.29	21.27	21.0±1.0	
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				39700/2501.0	40620/2593.0	41540/2685.0	
10MHz	QPSK	1	0	23.05	23.01	22.95	22.5±1.0
		1	25	23.06	23.12	23.01	
		1	49	23.09	22.98	22.96	
		25	0	22.02	22.01	22.05	21.5±1.0
		25	13	22.16	22.04	22.11	
		25	25	22.07	22.02	21.93	
	50	0	22.08	22.06	22.15	21.5±1.0	
	16QAM	1	0	22.27	22.29	22.24	22.0±1.0
		1	25	22.25	22.30	22.30	
		1	49	22.26	22.31	22.42	
		25	0	21.32	21.20	21.27	21.0±1.0
		25	13	21.30	21.27	21.25	
		25	25	21.28	21.19	21.35	
	50	0	21.19	21.26	21.24	21.0±1.0	



LTE FDD Band 41 ANT 8 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				39725/2503.5	40620/2593.0	41515/2682.5	
15MHz	QPSK	1	0	23.05	23.07	23.09	22.5±1.0
		1	38	23.19	23.15	23.04	
		1	74	22.93	23.05	22.93	
		36	0	22.09	22.15	22.15	21.5±1.0
		36	18	22.14	22.17	22.09	
		36	39	22.07	22.13	22.12	
		75	0	22.15	22.07	22.15	21.5±1.0
	16QAM	1	0	22.28	22.35	22.29	22.0±1.0
		1	38	22.32	22.31	22.31	
		1	74	22.19	22.27	22.29	
		36	0	21.28	21.25	21.31	21.0±1.0
		36	18	21.32	21.36	21.29	
		36	39	21.37	21.32	21.30	
		75	0	21.27	21.29	21.27	21.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				39750/2506.0	40620/2593.0	41490/2680.0	
20MHz	QPSK	1	0	23.01	23.05	23.17	22.5±1.0
		1	50	23.13	23.11	23.06	
		1	99	23.10	23.07	23.08	
		50	0	22.19	22.10	22.14	21.5±1.0
		50	25	22.02	22.12	22.02	
		50	50	22.25	22.18	22.14	
		100	0	22.17	22.13	22.06	21.5±1.0
	16QAM	1	0	22.23	22.19	22.20	22.0±1.0
		1	50	22.24	22.22	22.29	
		1	99	22.23	22.17	22.24	
		50	0	21.22	21.18	21.19	21.0±1.0
		50	25	21.25	21.29	21.25	
		50	50	21.25	21.21	21.26	
		100	0	21.17	21.15	21.18	21.0±1.0



LTE FDD Band 41 ANT 8 DSI 1 Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				39675/2498.5	40620/2593.0	41565/2687.5	
5MHz	QPSK	1	0	20.84	20.95	21.04	20.5±1.0
		1	13	20.97	20.83	20.81	
		1	24	20.94	21.07	21.01	
		12	0	19.96	19.87	19.88	20.5±1.0
		12	6	19.84	19.76	19.96	
		12	13	19.91	19.85	19.84	
		25	0	19.78	19.72	19.89	20.0±1.0
	16QAM	1	0	19.87	19.95	20.12	19.5±1.0
		1	13	20.12	20.02	20.10	
		1	24	19.84	19.95	20.01	
		12	0	18.79	18.82	18.87	19.5±1.0
		12	6	18.86	18.94	18.78	
		12	13	18.94	18.95	19.06	
		25	0	18.83	18.94	18.80	19.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				39700/2501.0	40620/2593.0	41540/2685.0	
10MHz	QPSK	1	0	20.85	20.90	20.74	20.5±1.0
		1	25	21.05	21.06	21.04	
		1	49	20.88	21.03	20.89	
		25	0	20.04	19.96	20.03	20.5±1.0
		25	13	19.84	19.95	19.82	
		25	25	20.14	19.97	20.16	
		50	0	19.97	19.92	20.03	20.0±1.0
	16QAM	1	0	20.12	20.10	20.26	19.5±1.0
		1	25	20.30	20.13	20.14	
		1	49	20.31	20.14	20.16	
		25	0	18.93	18.98	19.03	19.5±1.0
		25	13	18.78	18.99	18.79	
		25	25	19.07	18.96	19.16	
		50	0	18.91	18.95	18.99	19.0±1.0



LTE FDD Band 41 ANT 8 DSI 1 Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				39725/2503.5	40620/2593.0	41515/2682.5	
15MHz	QPSK	1	0	20.90	20.67	20.80	20.5±1.0
		1	38	20.79	20.90	21.04	
		1	74	20.97	20.76	20.55	
		36	0	19.74	19.89	20.06	20.5±1.0
		36	18	20.02	19.96	19.97	
		36	39	20.19	20.01	19.88	
		75	0	20.18	19.94	19.69	20.0±1.0
	16QAM	1	0	20.02	19.94	20.10	19.5±1.0
		1	38	19.98	20.01	19.82	
		1	74	20.05	19.96	19.91	
		36	0	19.08	18.96	19.16	19.5±1.0
		36	18	18.82	18.83	18.95	
		36	39	18.96	18.97	19.06	
		75	0	18.85	18.98	18.96	19.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				39750/2506.0	40620/2593.0	41490/2680.0	
20MHz	QPSK	1	0	20.97	20.85	20.88	20.5±1.0
		1	50	20.89	20.84	20.68	
		1	99	20.96	20.91	21.03	
		50	0	19.78	20.03	19.98	20.5±1.0
		50	25	19.94	19.80	19.58	
		50	50	19.97	19.84	19.78	
		100	0	19.70	19.79	19.70	20.0±1.0
	16QAM	1	0	19.85	19.94	19.86	19.5±1.0
		1	50	20.02	19.85	19.71	
		1	99	20.01	19.91	20.09	
		50	0	18.95	18.83	18.86	19.5±1.0
		50	25	18.95	18.81	18.89	
		50	50	18.86	18.89	18.76	
		100	0	18.86	18.81	18.75	19.0±1.0



8.6 LTE CA Conducted Power

LTE Band 7C ANT 2 Full Power - 10MHz+20MHz Bandwidth								
Bandwidth	CC1	CC2	CC1 RB	CC1 RB	CC2 RB	CC2 RB	Conducted Average (dBm)	
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM
10MHz / 20MHz	2505.5	2519.9	1	49	1	0	23.76	23.03
			50	0	100	0	21.90	20.93
	2525.6	2540.0	1	49	1	0	23.83	23.04
			50	0	100	0	21.94	20.98
	2545.6	2560.0	1	49	1	0	23.79	23.10
			50	0	100	0	21.87	20.92
LTE Band 7C ANT 2 Full Power - 15MHz+10MHz Bandwidth								
Bandwidth	CC1	CC2	CC1 RB	CC1 RB	CC2 RB	CC2 RB	Conducted Average (dBm)	
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM
15MHz / 10MHz	2507.5	2519.5	1	74	1	0	23.89	23.35
			75	0	50	0	21.92	20.98
	2530.1	2542.1	1	74	1	0	23.81	23.36
			75	0	50	0	21.95	20.98
	2552.7	2564.7	1	74	1	0	23.88	23.26
			75	0	50	0	21.87	20.91
LTE Band 7C ANT 2 Full Power - 15MHz+15MHz Bandwidth								
Bandwidth	CC1	CC2	CC1 RB	CC1 RB	CC2 RB	CC2 RB	Conducted Average (dBm)	
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM
15MHz / 15MHz	2507.5	2522.5	1	74	1	0	23.78	23.17
			75	0	75	0	21.81	20.90
	2527.5	2542.5	1	74	1	0	21.82	23.17
			75	0	75	0	21.95	20.97
	2547.5	2562.5	1	74	1	0	23.70	23.04
			75	0	75	0	21.88	20.92
LTE Band 7C ANT 2 Full Power - 15MHz+20MHz Bandwidth								
Bandwidth	CC1	CC2	CC1 RB	CC1 RB	CC2 RB	CC2 RB	Conducted Average (dBm)	
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM
15MHz / 20MHz	2507.8	2524.9	1	74	1	0	23.90	22.98
			75	0	100	0	21.93	20.80
	2525.3	2542.4	1	74	1	0	23.79	23.03
			75	0	100	0	21.91	20.96
	2542.9	2560.0	1	74	1	0	23.84	23.08



			75	0	100	0	21.94	20.93
LTE Band 7C ANT 2 Full Power - 20MHz+10MHz Bandwidth								
Bandwidth	CC1	CC2	CC1 RB	CC1 RB	CC2 RB	CC2 RB	Conducted Average (dBm)	
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM
20MHz / 10MHz	2510.0	2524.4	1	99	1	0	23.82	23.03
			100	0	50	0	21.95	21.01
	2530.1	2544.5	1	99	1	0	23.91	23.17
			100	0	50	0	21.95	20.96
	2550.1	2564.5	1	99	1	0	23.85	23.08
			100	0	50	0	21.88	20.91
LTE Band 7C ANT 2 Full Power - 20MHz+15MHz Bandwidth								
Bandwidth	CC1	CC2	CC1 RB	CC1 RB	CC2 RB	CC2 RB	Conducted Average (dBm)	
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM
20MHz / 15MHz	2510.0	2527.1	1	99	1	0	23.88	23.13
			100	0	75	0	21.96	20.91
	2527.6	2544.7	1	99	1	0	23.85	23.07
			100	0	75	0	21.88	20.94
	2545.1	2562.2	1	99	1	0	23.90	23.04
			100	0	75	0	21.88	20.86
LTE Band 7C ANT 2 - 20MHz+20MHz Bandwidth								
Bandwidth	CC1	CC2	CC1 RB	CC1 RB	CC2 RB	CC2 RB	Conducted Average (dBm)	
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM
20MHz / 20MHz	2510.0	2529.8	1	99	1	0	23.73	23.11
			1	0	1	99	14.26	13.79
			100	0	100	0	21.82	20.84
	2527.5	2542.5	1	99	1	0	23.79	23.14
			1	0	1	99	14.37	13.91
			100	0	100	0	21.96	20.99
	2547.5	2562.5	1	99	1	0	23.64	23.03
			1	0	1	99	14.48	13.88
			100	0	100	0	21.91	20.95



LTE Band 7C ANT 6 Full Power - 10MHz+20MHz Bandwidth								
Bandwidth	CC1	CC2	CC1 RB	CC1 RB	CC2 RB	CC2 RB	Conducted Average (dBm)	
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM
10MHz / 20MHz	2505.5	2519.9	1	49	1	0	20.46	19.56
			50	0	100	0	18.23	17.48
	2525.6	2540.0	1	49	1	0	20.18	19.74
			50	0	100	0	18.53	17.52
	2545.6	2560.0	1	49	1	0	20.45	19.88
			50	0	100	0	18.55	17.50
LTE Band 7C ANT 6 Full Power - 15MHz+10MHz Bandwidth								
Bandwidth	CC1	CC2	CC1 RB	CC1 RB	CC2 RB	CC2 RB	Conducted Average (dBm)	
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM
15MHz / 10MHz	2507.5	2519.5	1	74	1	0	20.53	19.76
			75	0	50	0	18.49	17.33
	2530.1	2542.1	1	74	1	0	20.29	19.84
			75	0	50	0	18.37	17.57
	2552.7	2564.7	1	74	1	0	20.46	19.81
			75	0	50	0	18.39	17.35
LTE Band 7C ANT 6 Full Power - 15MHz+15MHz Bandwidth								
Bandwidth	CC1	CC2	CC1 RB	CC1 RB	CC2 RB	CC2 RB	Conducted Average (dBm)	
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM
15MHz / 15MHz	2507.5	2522.5	1	74	1	0	20.39	19.79
			75	0	75	0	18.55	17.46
	2527.5	2542.5	1	74	1	0	20.35	19.69
			75	0	75	0	18.45	17.61
	2547.5	2562.5	1	74	1	0	20.56	19.73
			75	0	75	0	18.61	17.49
LTE Band 7C ANT 6 Full Power - 15MHz+20MHz Bandwidth								
Bandwidth	CC1	CC2	CC1 RB	CC1 RB	CC2 RB	CC2 RB	Conducted Average (dBm)	
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM
15MHz / 20MHz	2507.8	2524.9	1	74	1	0	20.39	19.87
			75	0	100	0	18.43	17.33
	2525.3	2542.4	1	74	1	0	20.61	19.68
			75	0	100	0	18.42	17.56
	2542.9	2560.0	1	74	1	0	20.31	19.86



			75	0	100	0	18.54	17.33
LTE Band 7C ANT 6 Full Power - 20MHz+10MHz Bandwidth								
Bandwidth	CC1	CC2	CC1 RB	CC1 RB	CC2 RB	CC2 RB	Conducted Average (dBm)	
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM
20MHz / 10MHz	2510.0	2524.4	1	99	1	0	20.30	19.81
			100	0	50	0	18.47	17.49
	2530.1	2544.5	1	99	1	0	20.55	19.74
			100	0	50	0	18.39	17.42
	2550.1	2564.5	1	99	1	0	20.31	19.63
			100	0	50	0	18.33	17.31
LTE Band 7C ANT 6 Full Power - 20MHz+15MHz Bandwidth								
Bandwidth	CC1	CC2	CC1 RB	CC1 RB	CC2 RB	CC2 RB	Conducted Average (dBm)	
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM
20MHz / 15MHz	2510.0	2527.1	1	99	1	0	20.65	20.43
			100	0	75	0	18.55	18.65
	2527.6	2544.7	1	99	1	0	20.60	20.54
			100	0	75	0	18.56	18.65
	2545.1	2562.2	1	99	1	0	20.62	20.40
			100	0	75	0	18.66	18.60
LTE Band 7C ANT 6 Full Power - 20MHz+20MHz Bandwidth								
Bandwidth	CC1	CC2	CC1 RB	CC1 RB	CC2 RB	CC2 RB	Conducted Average (dBm)	
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM
20MHz / 20MHz	2510.0	2529.8	1	99	1	0	20.04	19.51
			1	0	1	99	10.95	10.51
			100	0	100	0	18.36	17.38
	2527.5	2542.5	1	99	1	0	20.12	19.45
			1	0	1	99	11.24	10.63
			100	0	100	0	18.58	17.45
	2547.5	2562.5	1	99	1	0	20.08	19.70
			1	0	1	99	11.07	10.74
			100	0	100	0	18.28	17.53



LTE Band 7C ANT 6 DSI 1 Power - 10MHz+20MHz Bandwidth								
Bandwidth	CC1	CC2	CC1 RB	CC1 RB	CC2 RB	CC2 RB	Conducted Average (dBm)	
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM
10MHz / 20MHz	2505.5	2519.9	1	49	1	0	18.13	17.27
			50	0	100	0	15.99	15.15
	2525.6	2540.0	1	49	1	0	17.97	17.32
			50	0	100	0	16.32	15.33
	2545.6	2560.0	1	49	1	0	18.20	17.53
			50	0	100	0	16.19	15.22
LTE Band 7C ANT 6 DSI 1 Power - 15MHz+10MHz Bandwidth								
Bandwidth	CC1	CC2	CC1 RB	CC1 RB	CC2 RB	CC2 RB	Conducted Average (dBm)	
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM
15MHz / 10MHz	2507.5	2519.5	1	74	1	0	18.23	17.39
			75	0	50	0	16.15	15.09
	2530.1	2542.1	1	74	1	0	18.04	17.44
			75	0	50	0	16.11	15.21
	2552.7	2564.7	1	74	1	0	18.21	17.36
			75	0	50	0	15.92	15.08
LTE Band 7C ANT 6 DSI 1 Power - 15MHz+15MHz Bandwidth								
Bandwidth	CC1	CC2	CC1 RB	CC1 RB	CC2 RB	CC2 RB	Conducted Average (dBm)	
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM
15MHz / 15MHz	2507.5	2522.5	1	74	1	0	18.07	17.42
			75	0	75	0	16.09	15.14
	2527.5	2542.5	1	74	1	0	18.13	17.44
			75	0	75	0	16.25	15.39
	2547.5	2562.5	1	74	1	0	18.34	17.39
			75	0	75	0	16.33	15.11
LTE Band 7C ANT 6 DSI 1 Power - 15MHz+20MHz Bandwidth								
Bandwidth	CC1	CC2	CC1 RB	CC1 RB	CC2 RB	CC2 RB	Conducted Average (dBm)	
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM
15MHz / 20MHz	2507.8	2524.9	1	74	1	0	18.16	17.44
			75	0	100	0	16.25	14.90
	2525.3	2542.4	1	74	1	0	18.25	17.47
			75	0	100	0	15.96	15.34
	2542.9	2560.0	1	74	1	0	17.86	17.43



			75	0	100	0	16.14	15.06
LTE Band 7C ANT 6 DSI 1 Power - 20MHz+10MHz Bandwidth								
Bandwidth	CC1	CC2	CC1 RB	CC1 RB	CC2 RB	CC2 RB	Conducted Average (dBm)	
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM
20MHz / 10MHz	2510.0	2524.4	1	99	1	0	17.92	17.63
			100	0	50	0	16.09	15.24
	2530.1	2544.5	1	99	1	0	18.15	17.46
			100	0	50	0	15.95	14.96
	2550.1	2564.5	1	99	1	0	17.94	17.44
			100	0	50	0	16.13	14.93
LTE Band 7C ANT 6 DSI 1 Power - 20MHz+15MHz Bandwidth								
Bandwidth	CC1	CC2	CC1 RB	CC1 RB	CC2 RB	CC2 RB	Conducted Average (dBm)	
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM
20MHz / 15MHz	2510.0	2527.1	1	99	1	0	18.33	18.44
			100	0	75	0	16.27	16.29
	2527.6	2544.7	1	99	1	0	18.17	18.35
			100	0	75	0	16.19	16.25
	2545.1	2562.2	1	99	1	0	18.38	18.50
			100	0	75	0	16.45	16.41
LTE Band 7C ANT 6 DSI 1 Power - 20MHz+20MHz Bandwidth								
Bandwidth	CC1	CC2	CC1 RB	CC1 RB	CC2 RB	CC2 RB	Conducted Average (dBm)	
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM
20MHz / 20MHz	2510.0	2529.8	1	99	1	0	17.67	17.08
			1	0	1	99	8.52	8.15
			100	0	100	0	16.08	14.96
	2527.5	2542.5	1	99	1	0	17.65	17.06
			1	0	1	99	8.98	8.29
			100	0	100	0	16.12	15.05
	2547.5	2562.5	1	99	1	0	17.69	17.24
			1	0	1	99	8.85	8.53
			100	0	100	0	16.06	15.14



8.6 NR Conducted Power

1. 5G NR 5 15KHz 20MHz Conducted Power Test Verdict:

N5 ANT 1 Full Power			Conducted Power(dBm)				
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	166800	167300	167800	Tune up
				834.0MHz	836.5MHz	839.0MHz	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	24.56	24.62	24.41	24.0±1.0
		1	53	24.21	24.25	24.12	
		1	104	24.39	24.49	24.01	
		50	0	24.15	24.29	24.08	24.0±1.0
		50	28	24.20	24.31	24.24	
		50	56	23.94	23.86	24.10	
	100	0	24.13	24.26	24.21	24.0±1.0	
	DFT-s-OFDM QPSK	1	1	24.39	24.63	24.56	24.0±1.0
		1	53	24.37	24.38	24.41	
		1	104	24.50	24.25	24.19	
		50	0	24.21	23.98	24.09	24.0±1.0
		50	28	24.18	24.19	24.38	
		50	56	23.89	24.20	24.04	
	100	0	23.48	23.56	23.18	23.0±1.0	
	DFT-s-OFDM 16QAM	1	1	23.33	23.71	23.12	23.0±1.0
	DFT-s-OFDM 64QAM	1	1	21.87	22.36	21.32	22.0±1.0
	DFT-s-OFDM 256QAM	1	1	19.90	20.11	19.82	19.5±1.0
	CP-OFDM QPSK	1	1	22.28	22.02	22.69	22.0±1.0
CP-OFDM 16QAM	1	1	22.07	22.41	22.41	22.0±1.0	
CP-OFDM 64QAM	1	1	20.48	21.20	20.89	20.5±1.0	
CP-OFDM 256QAM	1	1	17.69	18.11	17.87	17.5±1.0	
Bandwidth	Modulation	RB size	RB offset	166300	167300	168300	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	831.5MHz	836.5MHz	841.5MHz	24.0±1.0
				24.52	24.46	24.21	
Bandwidth	Modulation	RB size	RB offset	165800	167300	168800	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	829.0MHz	836.5MHz	844.0MHz	24.0±1.0
				24.35	24.51	24.42	



Bandwidth	Modulation	RB size	RB offset	165300	167300	169300	Tune up
				826.5MHz	836.5MHz	846.5MHz	
5MHz	DFT-s-OFDM QPSK	1	1	24.43	24.32	24.41	24.0±1.0



N5 ANT 3 Full Power			Conducted Power(dBm)				
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	166800	167300	167800	Tune up
				834.0MHz	836.5MHz	839.0MHz	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	24.38	24.28	24.43	24.0±1.0
		1	53	24.24	24.19	24.30	
		1	104	24.14	24.22	24.12	
		50	0	24.15	24.26	24.07	24.0±1.0
		50	28	24.42	24.35	24.23	
		50	56	24.23	24.11	24.18	
	100	0	23.91	23.88	23.80	23.5±1.0	
	DFT-s-OFDM QPSK	1	1	24.46	24.38	24.50	24.0±1.0
		1	53	24.23	24.19	24.28	
		1	104	24.37	24.25	24.30	
		50	0	24.19	24.12	24.16	24.0±1.0
		50	28	24.41	24.28	24.20	
		50	56	24.11	24.05	24.17	
	100	0	23.15	23.26	23.15	23.0±1.0	
	DFT-s-OFDM 16QAM	1	1	23.23	23.15	23.13	22.5±1.0
	DFT-s-OFDM 64QAM	1	1	21.67	21.78	21.81	21.5±1.0
	DFT-s-OFDM 256QAM	1	1	19.65	19.55	19.54	19.0±1.0
	CP-OFDM QPSK	1	1	22.33	22.28	22.23	22.0±1.0
CP-OFDM 16QAM	1	1	21.68	21.83	21.70	21.5±1.0	
CP-OFDM 64QAM	1	1	20.82	20.81	20.69	20.5±1.0	
CP-OFDM 256QAM	1	1	17.81	17.70	17.56	17.0±1.0	
Bandwidth	Modulation	RB size	RB offset	166300	167300	168300	Tune up
				831.5MHz	836.5MHz	841.5MHz	
15MHz	DFT-s-OFDM QPSK	1	1	24.31	24.52	24.35	24.0±1.0
Bandwidth	Modulation	RB size	RB offset	165800	167300	168800	Tune up
				829.0MHz	836.5MHz	844.0MHz	
10MHz	DFT-s-OFDM QPSK	1	1	24.60	24.44	24.62	24.0±1.0
Bandwidth	Modulation	RB size	RB offset	165300	167300	169300	Tune up
				826.5MHz	836.5MHz	846.5MHz	
5MHz	DFT-s-OFDM QPSK	1	1	24.51	24.56	24.32	24.0±1.0



N5 ANT 3 DSI 1 Power			Conducted Power(dBm)				
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	166800	167300	167800	Tune up
				834.0MHz	836.5MHz	839.0MHz	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.22	22.09	22.35	22.0±1.0
		1	53	22.21	22.30	22.16	
		1	104	22.13	22.08	22.25	
		50	0	22.15	22.11	22.22	22.0±1.0
		50	28	22.27	22.05	22.30	
		50	56	22.10	22.16	22.15	
	100	0	21.35	21.43	21.37	21.0±1.0	
	DFT-s-OFDM QPSK	1	1	22.59	22.43	22.52	22.0±1.0
		1	53	22.42	22.53	22.49	
		1	104	22.29	22.18	22.21	
		50	0	22.11	22.04	22.23	22.0±1.0
		50	28	22.10	22.05	22.18	
		50	56	21.93	22.11	22.23	
	100	0	21.05	21.34	21.23	21.0±1.0	
	DFT-s-OFDM 16QAM	1	1	20.92	20.93	21.02	20.5±1.0
	DFT-s-OFDM 64QAM	1	1	19.11	19.07	18.94	18.5±1.0
	DFT-s-OFDM 256QAM	1	1	17.35	17.26	17.40	17.0±1.0
	CP-OFDM QPSK	1	1	20.32	20.25	20.25	20.0±1.0
CP-OFDM 16QAM	1	1	20.05	20.17	20.18	19.5±1.0	
CP-OFDM 64QAM	1	1	18.07	18.21	18.16	17.5±1.0	
CP-OFDM 256QAM	1	1	15.39	15.49	15.59	15.0±1.0	
Bandwidth	Modulation	RB size	RB offset	166300	167300	168300	Tune up
				831.5MHz	836.5MHz	841.5MHz	
15MHz	DFT-s-OFDM QPSK	1	1	22.41	22.46	22.30	22.0±1.0
Bandwidth	Modulation	RB size	RB offset	165800	167300	168800	Tune up
				829.0MHz	836.5MHz	844.0MHz	
10MHz	DFT-s-OFDM QPSK	1	1	22.09	22.35	22.26	22.0±1.0
Bandwidth	Modulation	RB size	RB offset	165300	167300	169300	Tune up
				826.5MHz	836.5MHz	846.5MHz	
5MHz	DFT-s-OFDM QPSK	1	1	22.43	22.35	22.46	22.0±1.0



2. 5G NR 41 30KHz 100MHz Conducted Power Test Verdict:

N41 ANT 2 Full Power		Conducted Power(dBm)					
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	509202	518598	528000	Tune up
				2546.01 MHz	2592.99 MHz	2640.00 MHz	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	24.79	24.96	25.01	24.5±1.0
		1	137	25.03	25.15	24.98	
		1	271	25.04	25.13	25.09	
		135	0	24.83	24.93	25.04	24.5±1.0
		135	67	25.15	25.16	25.13	
		135	138	24.94	25.03	24.91	
	DFT-s-OFDM QPSK	270	0	24.49	24.46	24.61	24.0±1.0
		1	1	24.89	24.83	24.91	24.5±1.0
		1	137	25.10	25.17	24.98	
		1	271	25.14	25.11	25.04	
		135	0	24.72	24.95	24.89	24.5±1.0
		135	67	25.02	25.21	25.07	
	135	138	24.71	24.85	24.96		
	270	0	24.06	24.05	24.13	23.5±1.0	
	DFT-s-OFDM 16QAM	1	1	23.84	24.12	23.99	23.5±1.0
	DFT-s-OFDM 64QAM	1	1	22.39	22.69	22.51	22.0±1.0
	DFT-s-OFDM 256QAM	1	1	20.29	20.28	20.62	20.0±1.0
	CP-OFDM QPSK	1	1	23.01	23.11	23.48	23.0±1.0
CP-OFDM 16QAM	1	1	22.86	23.22	23.07	22.5±1.0	
CP-OFDM 64QAM	1	1	21.26	21.66	21.63	21.0±1.0	
CP-OFDM 256QAM	1	1	18.47	18.40	18.76	18.5±1.0	
Bandwidth	Modulation	RB size	RB offset	508200	518598	528996	Tune up
				2541.00 MHz	2592.99 MHz	2644.98 MHz	
90MHz	DFT-s-OFDM QPSK	1	1	25.07	24.98	25.11	24.5±1.0
Bandwidth	Modulation	RB size	RB offset	507204	518598	529998	Tune up
				2536.02 MHz	2592.99 MHz	2649.99 MHz	
80MHz	DFT-s-OFDM QPSK	1	1	24.92	24.96	25.01	24.5±1.0



Bandwidth	Modulation	RB size	RB offset	506202	518598	531000	Tune up
				2531.01 MHz	2592.99 MHz	2655.00 MHz	
70MHz	DFT-s-OFDM QPSK	1	1	25.09	24.91	25.05	24.5±1.0
Bandwidth	Modulation	RB size	RB offset	505200	518598	531996	Tune up
				2526.00 MHz	2592.99 MHz	2659.98 MHz	
60MHz	DFT-s-OFDM QPSK	1	1	24.97	24.82	22.96	24.5±1.0
Bandwidth	Modulation	RB size	RB offset	504204	518598	532998	Tune up
				2521.02 MHz	2592.99 MHz	2664.99 MHz	
50MHz	DFT-s-OFDM QPSK	1	1	24.94	24.88	24.97	24.5±1.0
Bandwidth	Modulation	RB size	RB offset	503202	518598	534000	Tune up
				2516.01 MHz	2592.99 MHz	2670.00 MHz	
40MHz	DFT-s-OFDM QPSK	1	1	25.02	24.91	25.08	24.5±1.0
Bandwidth	Modulation	RB size	RB offset	502200	518598	534996	Tune up
				2511.00 MHz	2592.99 MHz	2674.98 MHz	
30MHz	DFT-s-OFDM QPSK	1	1	24.88	25.10	24.99	24.5±1.0
Bandwidth	Modulation	RB size	RB offset	501204	518598	535998	Tune up
				2506.02 MHz	2592.99 MHz	2679.99 MHz	
20MHz	DFT-s-OFDM QPSK	1	1	24.95	25.01	24.83	24.5±1.0



N41 ANT 4 Full Power			Conducted Power(dBm)				
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	509202	518598	528000	Tune up
				2546.01 MHz	2592.99 MHz	2640.00 MHz	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	26.42	26.46	26.35	26.0±1.0
		1	137	26.20	26.33	26.29	
		1	271	26.29	26.33	26.44	
		135	0	25.83	26.01	25.79	26.0±1.0
		135	67	26.39	26.25	26.12	
		135	138	26.17	25.96	26.11	
	270	0	25.82	25.70	25.68	25.5±1.0	
	DFT-s-OFDM QPSK	1	1	26.37	26.43	26.56	26.0±1.0
		1	137	26.24	26.35	26.09	
		1	271	26.17	26.25	26.33	
		135	0	26.04	25.91	26.10	26.0±1.0
		135	67	26.39	26.24	26.21	
		135	138	25.81	26.02	25.94	
	270	0	25.05	25.15	25.22	24.5±1.0	
	DFT-s-OFDM 16QAM	1	1	24.87	24.86	24.96	24.5±1.0
	DFT-s-OFDM 64QAM	1	1	23.20	23.31	23.18	23.0±1.0
	DFT-s-OFDM 256QAM	1	1	21.36	21.33	21.30	21.0±1.0
	CP-OFDM QPSK	1	1	24.26	24.35	24.21	24.0±1.0
CP-OFDM 16QAM	1	1	23.96	23.85	23.88	23.5±1.0	
CP-OFDM 64QAM	1	1	22.45	22.36	22.42	22.0±1.0	
CP-OFDM 256QAM	1	1	19.06	19.04	19.04	18.5±1.0	
Bandwidth	Modulation	RB size	RB offset	508200	518598	528996	Tune up
				2541.00 MHz	2592.99 MHz	2644.98 MHz	
90MHz	DFT-s-OFDM QPSK	1	1	26.36	26.57	26.68	26.0±1.0
Bandwidth	Modulation	RB size	RB offset	507204	518598	529998	Tune up
				2536.02 MHz	2592.99 MHz	2649.99 MHz	
80MHz	DFT-s-OFDM QPSK	1	1	26.24	26.39	26.32	26.0±1.0



Bandwidth	Modulation	RB size	RB offset	506202	518598	531000	Tune up
				2531.01 MHz	2592.99 MHz	2655.00 MHz	
70MHz	DFT-s-OFDM QPSK	1	1	26.41	26.37	26.45	26.0±1.0
Bandwidth	Modulation	RB size	RB offset	505200	518598	531996	Tune up
				2526.00 MHz	2592.99 MHz	2659.98 MHz	
60MHz	DFT-s-OFDM QPSK	1	1	26.51	26.27	26.45	26.0±1.0
Bandwidth	Modulation	RB size	RB offset	504204	518598	532998	Tune up
				2521.02 MHz	2592.99 MHz	2664.99 MHz	
50MHz	DFT-s-OFDM QPSK	1	1	26.35	26.41	26.55	26.0±1.0
Bandwidth	Modulation	RB size	RB offset	503202	518598	534000	Tune up
				2516.01 MHz	2592.99 MHz	2670.00 MHz	
40MHz	DFT-s-OFDM QPSK	1	1	26.09	26.42	26.33	26.0±1.0
Bandwidth	Modulation	RB size	RB offset	502200	518598	534996	Tune up
				2511.00 MHz	2592.99 MHz	2674.98 MHz	
30MHz	DFT-s-OFDM QPSK	1	1	26.31	26.23	26.35	26.0±1.0
Bandwidth	Modulation	RB size	RB offset	501204	518598	535998	Tune up
				2506.02 MHz	2592.99 MHz	2679.99 MHz	
20MHz	DFT-s-OFDM QPSK	1	1	26.59	26.42	26.43	26.0±1.0



N41 ANT 6 Full Power			Conducted Power(dBm)				
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	509202	518598	528000	Tune up
				2546.01 MHz	2592.99 MHz	2640.00 MHz	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	24.34	24.42	24.49	24.0±1.0
		1	137	24.54	24.39	24.32	
		1	271	24.48	24.39	24.39	
		135	0	24.33	24.21	24.26	24.0±1.0
		135	67	24.41	24.37	24.43	
		135	138	24.26	24.32	24.10	
	270	0	23.96	23.90	24.03	23.5±1.0	
	DFT-s-OFDM QPSK	1	1	24.44	24.51	24.52	24.0±1.0
		1	137	24.46	24.35	24.51	
		1	271	24.56	24.47	24.40	
		135	0	24.18	24.23	24.36	24.0±1.0
		135	67	24.29	24.29	24.15	
		135	138	24.17	24.10	24.07	
	270	0	23.39	23.36	23.22	23.0±1.0	
	DFT-s-OFDM 16QAM	1	1	23.14	23.12	23.15	22.5±1.0
	DFT-s-OFDM 64QAM	1	1	21.40	21.50	21.53	21.0±1.0
	DFT-s-OFDM 256QAM	1	1	19.58	19.52	19.51	19.0±1.0
	CP-OFDM QPSK	1	1	22.80	22.68	22.82	22.0±1.0
CP-OFDM 16QAM	1	1	22.54	22.39	22.39	22.0±1.0	
CP-OFDM 64QAM	1	1	20.64	20.58	20.61	20.0±1.0	
CP-OFDM 256QAM	1	1	17.58	17.72	17.86	17.5±1.0	
Bandwidth	Modulation	RB size	RB offset	508200	518598	528996	Tune up
				2541.00 MHz	2592.99 MHz	2644.98 MHz	
90MHz	DFT-s-OFDM QPSK	1	1	24.34	24.28	24.47	24.0±1.0
Bandwidth	Modulation	RB size	RB offset	507204	518598	529998	Tune up
				2536.02 MHz	2592.99 MHz	2649.99 MHz	
80MHz	DFT-s-OFDM QPSK	1	1	24.42	24.54	24.39	24.0±1.0



Bandwidth	Modulation	RB size	RB offset	506202	518598	531000	Tune up
				2531.01 MHz	2592.99 MHz	2655.00 MHz	
70MHz	DFT-s-OFDM QPSK	1	1	24.16	24.39	24.25	24.0±1.0
Bandwidth	Modulation	RB size	RB offset	505200	518598	531996	Tune up
				2526.00 MHz	2592.99 MHz	2659.98 MHz	
60MHz	DFT-s-OFDM QPSK	1	1	24.44	24.49	24.44	24.0±1.0
Bandwidth	Modulation	RB size	RB offset	504204	518598	532998	Tune up
				2521.02 MHz	2592.99 MHz	2664.99 MHz	
50MHz	DFT-s-OFDM QPSK	1	1	24.51	24.64	24.38	24.0±1.0
Bandwidth	Modulation	RB size	RB offset	503202	518598	534000	Tune up
				2516.01 MHz	2592.99 MHz	2670.00 MHz	
40MHz	DFT-s-OFDM QPSK	1	1	24.40	24.26	24.35	24.0±1.0
Bandwidth	Modulation	RB size	RB offset	502200	518598	534996	Tune up
				2511.00 MHz	2592.99 MHz	2674.98 MHz	
30MHz	DFT-s-OFDM QPSK	1	1	24.28	24.34	24.37	24.0±1.0
Bandwidth	Modulation	RB size	RB offset	501204	518598	535998	Tune up
				2506.02 MHz	2592.99 MHz	2679.99 MHz	
20MHz	DFT-s-OFDM QPSK	1	1	24.32	24.36	24.39	24.0±1.0



N41 ANT 8 Full Power			Conducted Power(dBm)				
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	509202	518598	528000	Tune up
				2546.01 MHz	2592.99 MHz	2640.00 MHz	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	25.24	25.43	25.30	25.0±1.0
		1	137	25.37	25.29	25.20	
		1	271	25.23	25.49	25.16	
		135	0	25.24	25.19	25.14	25.0±1.0
		135	67	25.35	25.40	25.18	
		135	138	25.19	25.26	25.21	
		270	0	23.93	23.92	24.01	23.5±1.0
	DFT-s-OFDM QPSK	1	1	25.50	25.66	25.55	25.0±1.0
		1	137	25.44	25.24	25.33	
		1	271	25.43	25.52	25.50	
		135	0	25.27	25.32	25.16	25.0±1.0
		135	67	25.34	25.22	25.08	
		135	138	24.97	25.13	25.16	
		270	0	23.47	23.35	23.37	23.0±1.0
	DFT-s-OFDM 16QAM	1	1	23.16	23.05	23.13	22.5±1.0
	DFT-s-OFDM 64QAM	1	1	21.33	21.29	21.27	21.0±1.0
	DFT-s-OFDM 256QAM	1	1	19.48	19.43	19.37	19.0±1.0
	CP-OFDM QPSK	1	1	22.46	22.48	22.59	22.0±1.0
	CP-OFDM 16QAM	1	1	22.07	22.10	22.08	21.5±1.0
CP-OFDM 64QAM	1	1	20.24	20.24	20.36	20.0±1.0	
CP-OFDM 256QAM	1	1	17.42	17.52	17.63	17.0±1.0	
Bandwidth	Modulation	RB size	RB offset	508200	518598	528996	Tune up
				2541.00 MHz	2592.99 MHz	2644.98 MHz	
90MHz	DFT-s-OFDM QPSK	1	1	25.54	25.31	25.28	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	507204	518598	529998	Tune up
				2536.02 MHz	2592.99 MHz	2649.99 MHz	
80MHz	DFT-s-OFDM QPSK	1	1	25.28	25.31	25.29	25.0±1.0



Bandwidth	Modulation	RB size	RB offset	506202	518598	531000	Tune up
				2531.01 MHz	2592.99 MHz	2655.00 MHz	
70MHz	DFT-s-OFDM QPSK	1	1	25.30	25.51	25.48	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	505200	518598	531996	Tune up
				2526.00 MHz	2592.99 MHz	2659.98 MHz	
60MHz	DFT-s-OFDM QPSK	1	1	25.56	25.46	25.40	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	504204	518598	532998	Tune up
				2521.02 MHz	2592.99 MHz	2664.99 MHz	
50MHz	DFT-s-OFDM QPSK	1	1	25.45	25.47	25.52	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	503202	518598	534000	Tune up
				2516.01 MHz	2592.99 MHz	2670.00 MHz	
40MHz	DFT-s-OFDM QPSK	1	1	25.41	25.37	25.27	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	502200	518598	534996	Tune up
				2511.00 MHz	2592.99 MHz	2674.98 MHz	
30MHz	DFT-s-OFDM QPSK	1	1	25.41	25.38	25.24	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	501204	518598	535998	Tune up
				2506.02 MHz	2592.99 MHz	2679.99 MHz	
20MHz	DFT-s-OFDM QPSK	1	1	25.40	25.48	25.51	25.0±1.0



N41 ANT 8 DSI 1 Power			Conducted Power(dBm)				
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	509202	518598	528000	Tune up
				2546.01 MHz	2592.99 MHz	2640.00 MHz	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	23.22	23.37	23.42	23.0±1.0
		1	137	23.41	23.23	23.30	
		1	271	23.25	23.19	23.26	
		135	0	21.02	23.13	21.11	22.5±1.0
		135	67	22.99	23.01	22.88	
		135	138	20.82	20.94	20.91	
		270	0	21.88	21.73	21.64	24.0±1.0
	DFT-s-OFDM QPSK	1	1	23.43	23.53	23.40	23.0±1.0
		1	137	23.30	23.31	23.37	
		1	271	23.08	23.18	23.31	
		135	0	23.04	22.89	23.18	22.5±1.0
		135	67	22.94	22.79	22.86	
		135	138	23.01	23.18	23.05	
		270	0	21.41	21.32	21.47	21.0±1.0
	DFT-s-OFDM 16QAM	1	1	21.10	20.95	20.82	20.5±1.0
	DFT-s-OFDM 64QAM	1	1	19.03	19.17	19.04	18.5±1.0
	DFT-s-OFDM 256QAM	1	1	17.59	17.49	17.35	17.0±1.0
	CP-OFDM QPSK	1	1	20.30	20.34	20.33	20.0±1.0
	CP-OFDM 16QAM	1	1	19.69	19.60	19.62	19.0±1.0
CP-OFDM 64QAM	1	1	18.10	18.08	18.13	17.5±1.0	
CP-OFDM 256QAM	1	1	15.54	15.42	15.30	15.0±1.0	
Bandwidth	Modulation	RB size	RB offset	508200	518598	528996	Tune up
				2541.00 MHz	2592.99 MHz	2644.98 MHz	
90MHz	DFT-s-OFDM QPSK	1	1	23.30	23.17	23.28	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	507204	518598	529998	Tune up
				2536.02 MHz	2592.99 MHz	2649.99 MHz	
80MHz	DFT-s-OFDM QPSK	1	1	23.29	23.40	23.46	23.0±1.0



Bandwidth	Modulation	RB size	RB offset	506202	518598	531000	Tune up
				2531.01 MHz	2592.99 MHz	2655.00 MHz	
70MHz	DFT-s-OFDM QPSK	1	1	23.53	23.41	23.49	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	505200	518598	531996	Tune up
				2526.00 MHz	2592.99 MHz	2659.98 MHz	
60MHz	DFT-s-OFDM QPSK	1	1	23.34	23.30	23.46	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	504204	518598	532998	Tune up
				2521.02 MHz	2592.99 MHz	2664.99 MHz	
50MHz	DFT-s-OFDM QPSK	1	1	23.53	23.64	23.50	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	503202	518598	534000	Tune up
				2516.01 MHz	2592.99 MHz	2670.00 MHz	
40MHz	DFT-s-OFDM QPSK	1	1	23.39	23.	23.	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	502200	518598	534996	Tune up
				2511.00 MHz	2592.99 MHz	2674.98 MHz	
30MHz	DFT-s-OFDM QPSK	1	1	23.30	23.25	23.41	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	501204	518598	535998	Tune up
				2506.02 MHz	2592.99 MHz	2679.99 MHz	
20MHz	DFT-s-OFDM QPSK	1	1	23.20	23.32	23.47	23.0±1.0



3. 5G NR 77 30KHz 100MHz(3450 MHz-3550MHz)Conducted Power Test Verdict:

N77 ANT 5 Full Power			Conducted Power(dBm)				
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	/	633334	/	Tune up
				/	3500.01 MHz	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	25.49	/	25.0±1.0
		1	137	/	25.36	/	
		1	271	/	25.61	/	
		135	0	/	25.24	/	25.0±1.0
		135	67	/	25.57	/	
		135	138	/	25.31	/	
	270	0	/	25.07	/	24.5±1.0	
	DFT-s-OFDM QPSK	1	1	/	25.32	/	25.0±1.0
		1	137	/	25.44	/	
		1	271	/	25.62	/	
		135	0	/	25.31	/	25.0±1.0
		135	67	/	25.54	/	
		135	138	/	25.42	/	
	270	0	/	24.59	/	24.0±1.0	
	DFT-s-OFDM 16QAM	1	1	/	24.47	/	24.0±1.0
	DFT-s-OFDM 64QAM	1	1	/	23.43	/	23.0±1.0
	DFT-s-OFDM 256QAM	1	1	/	21.05	/	20.5±1.0
	CP-OFDM QPSK	1	1	/	23.65	/	23.0±1.0
CP-OFDM 16QAM	1	1	/	23.31	/	23.0±1.0	
CP-OFDM 64QAM	1	1	/	22.11	/	21.5±1.0	
CP-OFDM 256QAM	1	1	/	18.79	/	18.5±1.0	
Bandwidth	Modulation	RB size	RB offset	633000	633334	633666	Tune up
				3495.00 MHz	3500.01 MHz	3504.99 MHz	
90MHz	DFT-s-OFDM QPSK	1	1	25.33	25.46	25.22	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	632668	633334	634000	Tune up
				3490.02 MHz	3500.01 MHz	3510.00 MHz	
80MHz	DFT-s-OFDM QPSK	1	1	25.57	25.52	25.40	25.0±1.0



Bandwidth	Modulation	RB size	RB offset	632334	633334	634332	Tune up
				3485.01 MHz	3500.01 MHz	3514.98 MHz	
70MHz	DFT-s-OFDM QPSK	1	1	25.49	25.61	25.58	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	632000	633334	634666	Tune up
				3480.00 MHz	3500.01 MHz	3519.99 MHz	
60MHz	DFT-s-OFDM QPSK	1	1	25.43	25.42	25.52	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	631668	633334	635000	Tune up
				3475.02 MHz	3500.01 MHz	3525.00 MHz	
50MHz	DFT-s-OFDM QPSK	1	1	25.46	25.72	25.83	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	631334	633334	635332	Tune up
				3470.01 MHz	3500.01 MHz	3529.98 MHz	
40MHz	DFT-s-OFDM QPSK	1	1	25.32	25.27	25.44	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	631000	633334	635666	Tune up
				3465.00 MHz	3500.01 MHz	3534.99 MHz	
30MHz	DFT-s-OFDM QPSK	1	1	25.35	25.24	25.47	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	630668	633334	636000	Tune up
				3460.02 MHz	3500.01 MHz	3540.00 MHz	
20MHz	DFT-s-OFDM QPSK	1	1	25.59	25.61	25.34	25.0±1.0



N77 ANT 5 DSI 1 Power			Conducted Power(dBm)				
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	/	633334	/	Tune up
				/	3500.01 MHz	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	23.27	/	23.0±1.0
		1	137	/	23.31	/	
		1	271	/	23.18	/	
		135	0	/	23.30	/	23.0±1.0
		135	67	/	23.25	/	
		135	138	/	22.91	/	
		270	0	/	21.63	/	21.0±1.0
	DFT-s-OFDM QPSK	1	1	/	23.41	/	23.0±1.0
		1	137	/	23.35	/	
		1	271	/	23.49	/	
		135	0	/	23.24	/	23.0±1.0
		135	67	/	23.41	/	
		135	138	/	23.34	/	
		270	0	/	21.35	/	21.0±1.0
	DFT-s-OFDM 16QAM	1	1	/	21.16	/	20.5±1.0
	DFT-s-OFDM 64QAM	1	1	/	19.57	/	19.0±1.0
	DFT-s-OFDM 256QAM	1	1	/	17.97	/	17.5±1.0
	CP-OFDM QPSK	1	1	/	20.85	/	20.5±1.0
	CP-OFDM 16QAM	1	1	/	20.41	/	20.0±1.0
	CP-OFDM 64QAM	1	1	/	18.59	/	18.0±1.0
CP-OFDM 256QAM	1	1	/	15.98	/	15.5±1.0	
Bandwidth	Modulation	RB size	RB offset	633000	633334	633666	Tune up
				3495.00 MHz	3500.01 MHz	3504.99 MHz	
90MHz	DFT-s-OFDM QPSK	1	1	23.26	23.42	23.40	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	632668	633334	634000	Tune up
				3490.02 MHz	3500.01 MHz	3510.00 MHz	
80MHz	DFT-s-OFDM QPSK	1	1	23.15	23.23	23.31	23.0±1.0



Bandwidth	Modulation	RB size	RB offset	632334	633334	634332	Tune up
				3485.01 MHz	3500.01 MHz	3514.98 MHz	
70MHz	DFT-s-OFDM QPSK	1	1	23.21	23.42	23.17	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	632000	633334	634666	Tune up
				3480.00 MHz	3500.01 MHz	3519.99 MHz	
60MHz	DFT-s-OFDM QPSK	1	1	23.35	23.21	23.42	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	631668	633334	635000	Tune up
				3475.02 MHz	3500.01 MHz	3525.00 MHz	
50MHz	DFT-s-OFDM QPSK	1	1	23.32	23.54	23.17	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	631334	633334	635332	Tune up
				3470.01 MHz	3500.01 MHz	3529.98 MHz	
40MHz	DFT-s-OFDM QPSK	1	1	23.19	23.34	23.27	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	631000	633334	635666	Tune up
				3465.00 MHz	3500.01 MHz	3534.99 MHz	
30MHz	DFT-s-OFDM QPSK	1	1	23.32	23.40	23.36	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	630668	633334	636000	Tune up
				3460.02 MHz	3500.01 MHz	3540.00 MHz	
20MHz	DFT-s-OFDM QPSK	1	1	23.32	23.54	23.40	23.0±1.0



N77 ANT 7 Full Power			Conducted Power(dBm)				
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	/	633334	/	Tune up
				/	3500.01 MHz	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	25.37	/	25.0±1.0
		1	137	/	25.32	/	
		1	271	/	25.49	/	
		135	0	/	25.41	/	25.0±1.0
		135	67	/	25.56	/	
		135	138	/	25.31	/	
		270	0	/	25.10	/	24.5±1.0
	DFT-s-OFDM QPSK	1	1	/	25.44	/	25.0±1.0
		1	137	/	25.38	/	
		1	271	/	25.57	/	
		135	0	/	25.63	/	25.0±1.0
		135	67	/	25.61	/	
		135	138	/	25.41	/	
	270	0	/	24.57	/	24.0±1.0	
	DFT-s-OFDM 16QAM	1	1	/	24.52	/	24.5±1.0
	DFT-s-OFDM 64QAM	1	1	/	22.80	/	23.5±1.0
	DFT-s-OFDM 256QAM	1	1	/	21.09	/	21.0±1.0
	CP-OFDM QPSK	1	1	/	23.63	/	23.0±1.0
	CP-OFDM 16QAM	1	1	/	23.55	/	23.0±1.0
CP-OFDM 64QAM	1	1	/	21.82	/	21.5±1.0	
CP-OFDM 256QAM	1	1	/	18.95	/	18.5±1.0	
Bandwidth	Modulation	RB size	RB offset	633000	633334	633666	Tune up
				3495.00 MHz	3500.01 MHz	3504.99 MHz	
90MHz	DFT-s-OFDM QPSK	1	1	25.49	25.50	25.57	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	632668	633334	634000	Tune up
				3490.02 MHz	3500.01 MHz	3510.00 MHz	
80MHz	DFT-s-OFDM QPSK	1	1	25.53	25.42	25.40	25.0±1.0



Bandwidth	Modulation	RB size	RB offset	632334	633334	634332	Tune up
				3485.01 MHz	3500.01 MHz	3514.98 MHz	
70MHz	DFT-s-OFDM QPSK	1	1	25.31	25.34	25.44	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	632000	633334	634666	Tune up
				3480.00 MHz	3500.01 MHz	3519.99 MHz	
60MHz	DFT-s-OFDM QPSK	1	1	25.41	25.57	25.39	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	631668	633334	635000	Tune up
				3475.02 MHz	3500.01 MHz	3525.00 MHz	
50MHz	DFT-s-OFDM QPSK	1	1	25.45	25.32	25.28	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	631334	633334	635332	Tune up
				3470.01 MHz	3500.01 MHz	3529.98 MHz	
40MHz	DFT-s-OFDM QPSK	1	1	25.66	25.58	25.51	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	631000	633334	635666	Tune up
				3465.00 MHz	3500.01 MHz	3534.99 MHz	
30MHz	DFT-s-OFDM QPSK	1	1	25.41	25.34	25.39	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	630668	633334	636000	Tune up
				3460.02 MHz	3500.01 MHz	3540.00 MHz	
20MHz	DFT-s-OFDM QPSK	1	1	25.28	25.41	25.42	25.0±1.0



N77 ANT 7 DSI 1 Power			Conducted Power(dBm)				
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	/	633334	/	Tune up
				/	3500.01 MHz	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	23.16	/	23.0±1.0
		1	137	/	23.30	/	
		1	271	/	23.42	/	
		135	0	/	22.98	/	22.5±1.0
		135	67	/	23.19	/	
		135	138	/	22.95	/	
	270	0	/	22.12	/	21.5±1.0	
	DFT-s-OFDM QPSK	1	1	/	23.44	/	23.0±1.0
		1	137	/	23.35	/	
		1	271	/	23.47	/	
		135	0	/	23.12	/	22.5±1.0
		135	67	/	22.95	/	
		135	138	/	23.16	/	
	270	0	/	21.93	/	21.5±1.0	
	DFT-s-OFDM 16QAM	1	1	/	21.57	/	21.0±1.0
	DFT-s-OFDM 64QAM	1	1	/	19.98	/	19.5±1.0
	DFT-s-OFDM 256QAM	1	1	/	17.82	/	17.5±1.0
	CP-OFDM QPSK	1	1	/	20.97	/	20.5±1.0
CP-OFDM 16QAM	1	1	/	20.49	/	20.0±1.0	
CP-OFDM 64QAM	1	1	/	19.05	/	18.5±1.0	
CP-OFDM 256QAM	1	1	/	15.94	/	15.5±1.0	
Bandwidth	Modulation	RB size	RB offset	633000	633334	633666	Tune up
				3495.00 MHz	3500.01 MHz	3504.99 MHz	
90MHz	DFT-s-OFDM QPSK	1	1	22.98	23.16	23.22	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	632668	633334	634000	Tune up
				3490.02 MHz	3500.01 MHz	3510.00 MHz	
80MHz	DFT-s-OFDM QPSK	1	1	23.34	23.28	23.10	23.0±1.0



Bandwidth	Modulation	RB size	RB offset	632334	633334	634332	Tune up
				3485.01 MHz	3500.01 MHz	3514.98 MHz	
70MHz	DFT-s-OFDM QPSK	1	1	23.24	23.46	23.40	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	632000	633334	634666	Tune up
				3480.00 MHz	3500.01 MHz	3519.99 MHz	
60MHz	DFT-s-OFDM QPSK	1	1	23.39	23.33	23.16	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	631668	633334	635000	Tune up
				3475.02 MHz	3500.01 MHz	3525.00 MHz	
50MHz	DFT-s-OFDM QPSK	1	1	23.19	23.30	22.28	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	631334	633334	635332	Tune up
				3470.01 MHz	3500.01 MHz	3529.98 MHz	
40MHz	DFT-s-OFDM QPSK	1	1	23.10	23.25	23.18	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	631000	633334	635666	Tune up
				3465.00 MHz	3500.01 MHz	3534.99 MHz	
30MHz	DFT-s-OFDM QPSK	1	1	22.87	23.12	22.94	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	630668	633334	636000	Tune up
				3460.02 MHz	3500.01 MHz	3540.00 MHz	
20MHz	DFT-s-OFDM QPSK	1	1	23.15	23.16	23.27	23.0±1.0



N77 ANT 8 Full Power			Conducted Power(dBm)				
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	/	633334	/	Tune up
				/	3500.01 MHz	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	23.45	/	23.0±1.0
		1	137	/	23.30	/	
		1	271	/	23.27	/	
		135	0	/	23.09	/	23.0±1.0
		135	67	/	23.28	/	
		135	138	/	23.16	/	
	270	0	/	22.33	/	22.0±1.0	
	DFT-s-OFDM QPSK	1	1	/	23.29	/	23.0±1.0
		1	137	/	23.33	/	
		1	271	/	23.18	/	
		135	0	/	23.36	/	23.0±1.0
		135	67	/	23.23	/	
		135	138	/	23.39	/	
	270	0	/	21.78	/	21.5±1.0	
	DFT-s-OFDM 16QAM	1	1	/	21.26	/	21.0±1.0
	DFT-s-OFDM 64QAM	1	1	/	19.72	/	19.0±1.0
	DFT-s-OFDM 256QAM	1	1	/	17.85	/	17.5±1.0
	CP-OFDM QPSK	1	1	/	20.78	/	20.5±1.0
CP-OFDM 16QAM	1	1	/	20.19	/	19.5±1.0	
CP-OFDM 64QAM	1	1	/	18.72	/	18.0±1.0	
CP-OFDM 256QAM	1	1	/	15.96	/	15.5±1.0	
Bandwidth	Modulation	RB size	RB offset	633000	633334	633666	Tune up
				3495.00 MHz	3500.01 MHz	3504.99 MHz	
90MHz	DFT-s-OFDM QPSK	1	1	23.26	23.45	23.43	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	632668	633334	634000	Tune up
				3490.02 MHz	3500.01 MHz	3510.00 MHz	
80MHz	DFT-s-OFDM QPSK	1	1	23.31	23.41	21.33	23.0±1.0



Bandwidth	Modulation	RB size	RB offset	632334	633334	634332	Tune up
				3485.01 MHz	3500.01 MHz	3514.98 MHz	
70MHz	DFT-s-OFDM QPSK	1	1	23.37	23.39	23.52	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	632000	633334	634666	Tune up
				3480.00 MHz	3500.01 MHz	3519.99 MHz	
60MHz	DFT-s-OFDM QPSK	1	1	23.40	23.26	23.39	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	631668	633334	635000	Tune up
				3475.02 MHz	3500.01 MHz	3525.00 MHz	
50MHz	DFT-s-OFDM QPSK	1	1	23.30	23.41	23.54	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	631334	633334	635332	Tune up
				3470.01 MHz	3500.01 MHz	3529.98 MHz	
40MHz	DFT-s-OFDM QPSK	1	1	23.28	23.43	23.40	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	631000	633334	635666	Tune up
				3465.00 MHz	3500.01 MHz	3534.99 MHz	
30MHz	DFT-s-OFDM QPSK	1	1	23.32	23.50	23.25	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	630668	633334	636000	Tune up
				3460.02 MHz	3500.01 MHz	3540.00 MHz	
20MHz	DFT-s-OFDM QPSK	1	1	23.42	23.57	23.45	23.0±1.0



N77 ANT 10 Full Power			Conducted Power(dBm)				
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	/	633334	/	Tune up
				/	3500.01 MHz	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	24.83	/	24.5±1.0
		1	137	/	24.95	/	
		1	271	/	24.73	/	
		135	0	/	24.64	/	24.5±1.0
		135	67	/	24.82	/	
		135	138	/	24.83	/	
	270	0	/	24.21	/	23.5±1.0	
	DFT-s-OFDM QPSK	1	1	/	24.81	/	24.5±1.0
		1	137	/	25.02	/	
		1	271	/	24.95	/	
		135	0	/	24.79	/	24.5±1.0
		135	67	/	24.64	/	
		135	138	/	24.66	/	
	270	0	/	23.66	/	23.0±1.0	
	DFT-s-OFDM 16QAM	1	1	/	23.52	/	23.0±1.0
	DFT-s-OFDM 64QAM	1	1	/	22.01	/	21.5±1.0
	DFT-s-OFDM 256QAM	1	1	/	20.19	/	19.5±1.0
	CP-OFDM QPSK	1	1	/	23.01	/	22.5±1.0
CP-OFDM 16QAM	1	1	/	22.52	/	22.0±1.0	
CP-OFDM 64QAM	1	1	/	21.10	/	20.5±1.0	
CP-OFDM 256QAM	1	1	/	18.25	/	17.5±1.0	
Bandwidth	Modulation	RB size	RB offset	633000	633334	633666	Tune up
				3495.00 MHz	3500.01 MHz	3504.99 MHz	
90MHz	DFT-s-OFDM QPSK	1	1	24.86	24.79	24.70	24.5±1.0
Bandwidth	Modulation	RB size	RB offset	632668	633334	634000	Tune up
				3490.02 MHz	3500.01 MHz	3510.00 MHz	
80MHz	DFT-s-OFDM QPSK	1	1	24.91	24.81	24.85	24.5±1.0



Bandwidth	Modulation	RB size	RB offset	632334	633334	634332	Tune up
				3485.01 MHz	3500.01 MHz	3514.98 MHz	
70MHz	DFT-s-OFDM QPSK	1	1	25.03	24.88	2495	24.5±1.0
Bandwidth	Modulation	RB size	RB offset	632000	633334	634666	Tune up
				3480.00 MHz	3500.01 MHz	3519.99 MHz	
60MHz	DFT-s-OFDM QPSK	1	1	24.85	24.97	24.82	24.5±1.0
Bandwidth	Modulation	RB size	RB offset	631668	633334	635000	Tune up
				3475.02 MHz	3500.01 MHz	3525.00 MHz	
50MHz	DFT-s-OFDM QPSK	1	1	25.09	24.99	25.03	24.5±1.0
Bandwidth	Modulation	RB size	RB offset	631334	633334	635332	Tune up
				3470.01 MHz	3500.01 MHz	3529.98 MHz	
40MHz	DFT-s-OFDM QPSK	1	1	25.01	25.09	25.04	24.5±1.0
Bandwidth	Modulation	RB size	RB offset	631000	633334	635666	Tune up
				3465.00 MHz	3500.01 MHz	3534.99 MHz	
30MHz	DFT-s-OFDM QPSK	1	1	24.99	24.83	25.05	24.5±1.0
Bandwidth	Modulation	RB size	RB offset	630668	633334	636000	Tune up
				3460.02 MHz	3500.01 MHz	3540.00 MHz	
20MHz	DFT-s-OFDM QPSK	1	1	24.89	24.94	25.02	24.5±1.0



4. 5G NR 78 30KHz 100MHz(3450 MHz-3550MHz)Conducted Power Test Verdict:

N78 ANT 5 Full Power			Conducted Power(dBm)					
SCS 30kHz								
Bandwidth	Modulation	RB size	RB offset	/	633334	/	Tune up	
				/	3500.01 MHz	/		
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	25.35	/	25.0±1.0	
		1	137	/	25.46	/		
		1	271	/	25.42	/		
		135	0	/	25.34	/	25.0±1.0	
		135	67	/	25.31	/		
		135	138	/	25.28	/		
	DFT-s-OFDM QPSK	270	0	/	24.87	/	24.5±1.0	
		1	1	/	25.49	/	25.0±1.0	
		1	137	/	25.53	/		
		1	271	/	25.30	/		
		DFT-s-OFDM 16QAM	135	0	/	25.31	/	25.0±1.0
			135	67	/	25.37	/	
	135		138	/	25.26	/		
	DFT-s-OFDM 64QAM		270	0	/	24.43	/	24.0±1.0
			1	1	/	24.25	/	23.5±1.0
			1	1	/	22.49	/	22.0±1.0
		1	1	/	20.64	/	20.0±1.0	
		1	1	/	23.31	/	23.0±1.0	
1		1	/	23.07	/	22.5±1.0		
1	1	/	21.47	/	21.0±1.0			
1	1	/	18.57	/	18.0±1.0			
Bandwidth	Modulation	RB size	RB offset	633000	633334	633666	Tune up	
				3495.00 MHz	3500.01 MHz	3504.99 MHz		
90MHz	DFT-s-OFDM QPSK	1	1	25.38	25.30	25.34	25.0±1.0	
Bandwidth	Modulation	RB size	RB offset	632668	633334	634000	Tune up	
				3490.02 MHz	3500.01 MHz	3510.00 MHz		
80MHz	DFT-s-OFDM QPSK	1	1	25.67	25.53	25.68	25.0±1.0	



Bandwidth	Modulation	RB size	RB offset	632334	633334	634332	Tune up
				3485.01 MHz	3500.01 MHz	3514.98 MHz	
70MHz	DFT-s-OFDM QPSK	1	1	25.65	25.51	25.47	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	632000	633334	634666	Tune up
				3480.00 MHz	3500.01 MHz	3519.99 MHz	
60MHz	DFT-s-OFDM QPSK	1	1	25.63	25.70	25.64	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	631668	633334	635000	Tune up
				3475.02 MHz	3500.01 MHz	3525.00 MHz	
50MHz	DFT-s-OFDM QPSK	1	1	25.61	25.51	25.64	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	631334	633334	635332	Tune up
				3470.01 MHz	3500.01 MHz	3529.98 MHz	
40MHz	DFT-s-OFDM QPSK	1	1	25.49	25.36	25.43	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	631000	633334	635666	Tune up
				3465.00 MHz	3500.01 MHz	3534.99 MHz	
30MHz	DFT-s-OFDM QPSK	1	1	25.61	25.42	25.50	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	630668	633334	636000	Tune up
				3460.02 MHz	3500.01 MHz	3540.00 MHz	
20MHz	DFT-s-OFDM QPSK	1	1	25.52	25.35	25.46	25.0±1.0



N78 ANT 5 DSI Power			Conducted Power(dBm)				
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	/	633334	/	Tune up
				/	3500.01 MHz	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	23.19	/	23.0±1.0
		1	137	/	23.23	/	
		1	271	/	23.26	/	
		135	0	/	23.07	/	23.0±1.0
		135	67	/	23.06	/	
		135	138	/	23.34	/	
		270	0	/	22.18	/	21.5±1.0
	DFT-s-OFDM QPSK	1	1	/	23.52	/	23.0±1.0
		1	137	/	23.38	/	
		1	271	/	23.20	/	
		135	0	/	23.13	/	23.0±1.0
		135	67	/	22.95	/	
		135	138	/	23.19	/	
		270	0	/	21.95	/	21.5±1.0
	DFT-s-OFDM 16QAM	1	1	/	21.13	/	20.5±1.0
	DFT-s-OFDM 64QAM	1	1	/	19.67	/	19.0±1.0
	DFT-s-OFDM 256QAM	1	1	/	17.90	/	17.5±1.0
	CP-OFDM QPSK	1	1	/	20.98	/	20.5±1.0
	CP-OFDM 16QAM	1	1	/	20.18	/	19.5±1.0
	CP-OFDM 64QAM	1	1	/	18.56	/	18.0±1.0
CP-OFDM 256QAM	1	1	/	16.02	/	15.5±1.0	
Bandwidth	Modulation	RB size	RB offset	633000	633334	633666	Tune up
				3495.00 MHz	3500.01 MHz	3504.99 MHz	
90MHz	DFT-s-OFDM QPSK	1	1	23.18	23.32	23.29	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	632668	633334	634000	Tune up
				3490.02 MHz	3500.01 MHz	3510.00 MHz	
80MHz	DFT-s-OFDM QPSK	1	1	23.19	23.10	23.06	23.0±1.0



Bandwidth	Modulation	RB size	RB offset	632334	633334	634332	Tune up
				3485.01 MHz	3500.01 MHz	3514.98 MHz	
70MHz	DFT-s-OFDM QPSK	1	1	23.27	23.15	23.38	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	632000	633334	634666	Tune up
				3480.00 MHz	3500.01 MHz	3519.99 MHz	
60MHz	DFT-s-OFDM QPSK	1	1	23.31	23.42	23.44	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	631668	633334	635000	Tune up
				3475.02 MHz	3500.01 MHz	3525.00 MHz	
50MHz	DFT-s-OFDM QPSK	1	1	23.23	23.46	23.21	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	631334	633334	635332	Tune up
				3470.01 MHz	3500.01 MHz	3529.98 MHz	
40MHz	DFT-s-OFDM QPSK	1	1	23.25	23.14	23.35	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	631000	633334	635666	Tune up
				3465.00 MHz	3500.01 MHz	3534.99 MHz	
30MHz	DFT-s-OFDM QPSK	1	1	23.34	23.48	23.39	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	630668	633334	636000	Tune up
				3460.02 MHz	3500.01 MHz	3540.00 MHz	
20MHz	DFT-s-OFDM QPSK	1	1	23.33	23.23	23.08	23.0±1.0



N78 ANT 7 Full Power			Conducted Power(dBm)				
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	/	633334	/	Tune up
				/	3500.01 MHz	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	25.32	/	25.0±1.0
		1	137	/	25.55	/	
		1	271	/	25.45	/	
		135	0	/	25.31	/	25.0±1.0
		135	67	/	25.43	/	
		135	138	/	25.39	/	
	270	0	/	24.92	/	24.5±1.0	
	DFT-s-OFDM QPSK	1	1	/	25.42	/	25.0±1.0
		1	137	/	25.50	/	
		1	271	/	25.36	/	
		135	0	/	25.35	/	25.0±1.0
		135	67	/	25.43	/	
		135	138	/	25.20	/	
	270	0	/	24.50	/	24.0±1.0	
	DFT-s-OFDM 16QAM	1	1	/	24.35	/	24.0±1.0
	DFT-s-OFDM 64QAM	1	1	/	22.20	/	21.5±1.0
	DFT-s-OFDM 256QAM	1	1	/	20.58	/	20.0±1.0
	CP-OFDM QPSK	1	1	/	23.63	/	23.0±1.0
CP-OFDM 16QAM	1	1	/	21.84	/	21.5±1.0	
CP-OFDM 64QAM	1	1	/	21.02	/	20.5±1.0	
CP-OFDM 256QAM	1	1	/	18.31	/	18.0±1.0	
Bandwidth	Modulation	RB size	RB offset	633000	633334	633666	Tune up
				3495.00 MHz	3500.01 MHz	3504.99 MHz	
90MHz	DFT-s-OFDM QPSK	1	1	25.69	25.44	25.63	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	632668	633334	634000	Tune up
				3490.02 MHz	3500.01 MHz	3510.00 MHz	
80MHz	DFT-s-OFDM QPSK	1	1	25.35	25.67	25.39	25.0±1.0



Bandwidth	Modulation	RB size	RB offset	632334	633334	634332	Tune up
				3485.01 MHz	3500.01 MHz	3514.98 MHz	
70MHz	DFT-s-OFDM QPSK	1	1	25.42	25.63	25.51	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	632000	633334	634666	Tune up
				3480.00 MHz	3500.01 MHz	3519.99 MHz	
60MHz	DFT-s-OFDM QPSK	1	1	25.63	25.44	25.39	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	631668	633334	635000	Tune up
				3475.02 MHz	3500.01 MHz	3525.00 MHz	
50MHz	DFT-s-OFDM QPSK	1	1	25.43	25.35	25.32	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	631334	633334	635332	Tune up
				3470.01 MHz	3500.01 MHz	3529.98 MHz	
40MHz	DFT-s-OFDM QPSK	1	1	25.63	25.43	25.39	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	631000	633334	635666	Tune up
				3465.00 MHz	3500.01 MHz	3534.99 MHz	
30MHz	DFT-s-OFDM QPSK	1	1	25.51	25.39	25.38	25.0±1.0
Bandwidth	Modulation	RB size	RB offset	630668	633334	636000	Tune up
				3460.02 MHz	3500.01 MHz	3540.00 MHz	
20MHz	DFT-s-OFDM QPSK	1	1	25.56	25.44	25.61	25.0±1.0



N78 ANT 7 DSI Power			Conducted Power(dBm)				
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	/	633334	/	Tune up
				/	3500.01 MHz	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	23.22	/	23.0±1.0
		1	137	/	23.23	/	
		1	271	/	23.34	/	
		135	0	/	22.84	/	22.5±1.0
		135	67	/	23.09	/	
		135	138	/	23.02	/	
		270	0	/	22.03	/	25.0±1.0
	DFT-s-OFDM QPSK	1	1	/	23.40	/	23.0±1.0
		1	137	/	23.23	/	
		1	271	/	23.44	/	
		135	0	/	22.89	/	22.5±1.0
		135	67	/	23.10	/	
		135	138	/	23.04	/	
		270	0	/	21.63	/	21.0±1.0
	DFT-s-OFDM 16QAM	1	1	/	21.38	/	21.0±1.0
	DFT-s-OFDM 64QAM	1	1	/	19.68	/	19.0±1.0
	DFT-s-OFDM 256QAM	1	1	/	17.53	/	17.0±1.0
	CP-OFDM QPSK	1	1	/	20.88	/	20.5±1.0
	CP-OFDM 16QAM	1	1	/	20.78	/	20.5±1.0
	CP-OFDM 64QAM	1	1	/	18.80	/	18.5±1.0
CP-OFDM 256QAM	1	1	/	15.74	/	15.0±1.0	
Bandwidth	Modulation	RB size	RB offset	633000	633334	633666	Tune up
				3495.00 MHz	3500.01 MHz	3504.99 MHz	
90MHz	DFT-s-OFDM QPSK	1	1	22.97	23.14	23.19	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	632668	633334	634000	Tune up
				3490.02 MHz	3500.01 MHz	3510.00 MHz	
80MHz	DFT-s-OFDM QPSK	1	1	23.24	23.35	23.28	23.0±1.0



Bandwidth	Modulation	RB size	RB offset	632334	633334	634332	Tune up
				3485.01 MHz	3500.01 MHz	3514.98 MHz	
70MHz	DFT-s-OFDM QPSK	1	1	23.15	23.33	23.17	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	632000	633334	634666	Tune up
				3480.00 MHz	3500.01 MHz	3519.99 MHz	
60MHz	DFT-s-OFDM QPSK	1	1	23.32	23.44	23.22	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	631668	633334	635000	Tune up
				3475.02 MHz	3500.01 MHz	3525.00 MHz	
50MHz	DFT-s-OFDM QPSK	1	1	23.35	23.18	23.47	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	631334	633334	635332	Tune up
				3470.01 MHz	3500.01 MHz	3529.98 MHz	
40MHz	DFT-s-OFDM QPSK	1	1	23.46	23.21	23.32	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	631000	633334	635666	Tune up
				3465.00 MHz	3500.01 MHz	3534.99 MHz	
30MHz	DFT-s-OFDM QPSK	1	1	23.37	23.45	23.29	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	630668	633334	636000	Tune up
				3460.02 MHz	3500.01 MHz	3540.00 MHz	
20MHz	DFT-s-OFDM QPSK	1	1	23.19	23.41	23.32	23.0±1.0



N78 ANT 8 Full Power			Conducted Power(dBm)				
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	/	633334	/	Tune up
				/	3500.01 MHz	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	23.45	/	23.0±1.0
		1	137	/	23.33	/	
		1	271	/	23.57	/	
		135	0	/	23.19	/	23.0±1.0
		135	67	/	23.31	/	
		135	138	/	23.26	/	
		270	0	/	22.83	/	22.5±1.0
	DFT-s-OFDM QPSK	1	1	/	23.52	/	23.0±1.0
		1	137	/	23.46	/	
		1	271	/	23.51	/	
		135	0	/	23.26	/	23.0±1.0
		135	67	/	23.19	/	
		135	138	/	23.34	/	
		270	0	/	22.48	/	22.0±1.0
	DFT-s-OFDM 16QAM	1	1	/	21.26	/	21.0±1.0
	DFT-s-OFDM 64QAM	1	1	/	19.72	/	19.0±1.0
	DFT-s-OFDM 256QAM	1	1	/	17.85	/	17.5±1.0
	CP-OFDM QPSK	1	1	/	20.78	/	20.5±1.0
	CP-OFDM 16QAM	1	1	/	20.19	/	19.5±1.0
	CP-OFDM 64QAM	1	1	/	18.72	/	18.0±1.0
CP-OFDM 256QAM	1	1	/	15.96	/	15.5±1.0	
Bandwidth	Modulation	RB size	RB offset	633000	633334	633666	Tune up
				3495.00 MHz	3500.01 MHz	3504.99 MHz	
90MHz	DFT-s-OFDM QPSK	1	1	23.41	23.67	23.55	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	632668	633334	634000	Tune up
				3490.02 MHz	3500.01 MHz	3510.00 MHz	
80MHz	DFT-s-OFDM QPSK	1	1	23.38	23.42	23.40	23.0±1.0



Bandwidth	Modulation	RB size	RB offset	632334	633334	634332	Tune up
				3485.01 MHz	3500.01 MHz	3514.98 MHz	
70MHz	DFT-s-OFDM QPSK	1	1	23.56	23.60	23.61	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	632000	633334	634666	Tune up
				3480.00 MHz	3500.01 MHz	3519.99 MHz	
60MHz	DFT-s-OFDM QPSK	1	1	23.58	23.69	23.34	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	631668	633334	635000	Tune up
				3475.02 MHz	3500.01 MHz	3525.00 MHz	
50MHz	DFT-s-OFDM QPSK	1	1	23.45	23.58	23.46	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	631334	633334	635332	Tune up
				3470.01 MHz	3500.01 MHz	3529.98 MHz	
40MHz	DFT-s-OFDM QPSK	1	1	23.52	23.41	23.30	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	631000	633334	635666	Tune up
				3465.00 MHz	3500.01 MHz	3534.99 MHz	
30MHz	DFT-s-OFDM QPSK	1	1	23.37	23.56	23.42	23.0±1.0
Bandwidth	Modulation	RB size	RB offset	630668	633334	636000	Tune up
				3460.02 MHz	3500.01 MHz	3540.00 MHz	
20MHz	DFT-s-OFDM QPSK	1	1	23.36	23.39	23.30	23.0±1.0



N78 ANT 10 Full Power			Conducted Power(dBm)				
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	/	633334	/	Tune up
				/	3500.01 MHz	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	25.05	/	24.5±1.0
		1	137	/	24.96	/	
		1	271	/	25.01	/	
		135	0	/	24.96	/	24.5±1.0
		135	67	/	24.84	/	
		135	138	/	24.83	/	
		270	0	/	23.89	/	23.5±1.0
	DFT-s-OFDM QPSK	1	1	/	25.09	/	24.5±1.0
		1	137	/	25.13	/	
		1	271	/	24.92	/	
		135	0	/	24.94	/	24.5±1.0
		135	67	/	24.85	/	
		135	138	/	24.87	/	
		270	0	/	23.84	/	23.5±1.0
	DFT-s-OFDM 16QAM	1	1	/	23.22	/	22.5±1.0
	DFT-s-OFDM 64QAM	1	1	/	21.76	/	21.5±1.0
	DFT-s-OFDM 256QAM	1	1	/	19.77	/	19.5±1.0
	CP-OFDM QPSK	1	1	/	22.98	/	22.5±1.0
	CP-OFDM 16QAM	1	1	/	22.37	/	22.0±1.0
CP-OFDM 64QAM	1	1	/	20.83	/	20.5±1.0	
CP-OFDM 256QAM	1	1	/	17.82	/	17.5±1.0	
Bandwidth	Modulation	RB size	RB offset	633000	633334	633666	Tune up
				3495.00 MHz	3500.01 MHz	3504.99 MHz	
90MHz	DFT-s-OFDM QPSK	1	1	24.86	24.94	24.89	24.5±1.0
Bandwidth	Modulation	RB size	RB offset	632668	633334	634000	Tune up
				3490.02 MHz	3500.01 MHz	3510.00 MHz	
80MHz	DFT-s-OFDM QPSK	1	1	24.77	24.96	24.81	24.5±1.0



Bandwidth	Modulation	RB size	RB offset	632334	633334	634332	Tune up
				3485.01 MHz	3500.01 MHz	3514.98 MHz	
70MHz	DFT-s-OFDM QPSK	1	1	24.88	24.92	24.98	24.5±1.0
Bandwidth	Modulation	RB size	RB offset	632000	633334	634666	Tune up
				3480.00 MHz	3500.01 MHz	3519.99 MHz	
60MHz	DFT-s-OFDM QPSK	1	1	25.07	24.98	25.06	24.5±1.0
Bandwidth	Modulation	RB size	RB offset	631668	633334	635000	Tune up
				3475.02 MHz	3500.01 MHz	3525.00 MHz	
50MHz	DFT-s-OFDM QPSK	1	1	25.11	24.98	25.06	24.5±1.0
Bandwidth	Modulation	RB size	RB offset	631334	633334	635332	Tune up
				3470.01 MHz	3500.01 MHz	3529.98 MHz	
40MHz	DFT-s-OFDM QPSK	1	1	25.01	25.13	25.06	24.5±1.0
Bandwidth	Modulation	RB size	RB offset	631000	633334	635666	Tune up
				3465.00 MHz	3500.01 MHz	3534.99 MHz	
30MHz	DFT-s-OFDM QPSK	1	1	24.92	25.07	24.96	24.5±1.0
Bandwidth	Modulation	RB size	RB offset	630668	633334	636000	Tune up
				3460.02 MHz	3500.01 MHz	3540.00 MHz	
20MHz	DFT-s-OFDM QPSK	1	1	25.00	24.96	25.07	24.5±1.0

**Note:**

1. 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.
2. For 5G NR FDD/TDD supports SCS15KHz and SCS30KHz, chose higher power which is SCS 30KHz to perform SAR testing.
3. For TDD NR Band operation and final implementation, TDD NR Slot configuration extended cyclic prefix uplink duty cycle=25%, however, EN-DC transmission on test DUT is only possible using FTM mode with continuous transmission(duty-cycle=100%), SAR testing was performed using FTM mode at maximum output power adjusted for duty cycle to mimic final 25% cycle. The other Frequencies were measured at the worst position
4. For FDD NR band, uplink duty cycle=100%, EN-DC transmission on test DUT is only possible using FTM mode with continuous transmission (duty-cycle=100%)

Band	5G NR(SA)Antenna Power Level(dBm)			
	Tune up(Not ajust for the duty cycle)		Tune up (Ajusted for Duty cycle)	
N5 ANT 1 Full Power	/	/	25.0	100%
N5 ANT 3 Full Power	/	/	25.0	100%
N5 ANT 3 DSI 1 Power	/	/	23.0	100%
N41 ANT 2 Full Power	25.5	25%	19.5	100%
N41 ANT 4 Full Power	27.0	25%	21.0	100%
N41 ANT 6 Full Power	25.0	25%	19.0	100%
N41 ANT 8 Full Power	26.0	25%	20.0	100%
N41 ANT 8 DSI 1 Power	25.0	25%	19.0	100%
N77 ANT 5 Full Power	26.0	25%	20.0	100%
N77 ANT 5 DSI 1 Power	24.0	25%	18.0	100%
N77 ANT 7 Full Power	26.0	25%	20.0	100%
N77 ANT 7 DSI 1 Power	24.0	25%	18.0	100%
N77 ANT 8 Full Power	24.0	25%	18.0	100%



N77 ANT 10 Full Power	25.5	25%	19.5	100%
N78 ANT 5 Full Power	26.0	25%	20.0	100%
N78 ANT 5 DSI 1 Power	24.0	25%	18.0	100%
N78 ANT 7 Full Power	26.0	25%	20.0	100%
N78 ANT 7 DSI 1 Power	24.0	25%	18.0	100%
N78 ANT 8 Full Power	24.0	25%	18.0	100%
N78 ANT 10 Full Power	25.5	25%	19.5	100%



8.7 WIFI Conducted Power

2.4GWIFI Standalone Output Power

Wi-Fi 2.4G Standalone Output power ANT 12

2.4G WI-FI Channel/Freq.(MHz)	Output Power (dBm)			
	802.11b	802.11g	802.11n(HT20)	802.11ax(HE20)
1/2412.0	17.57	16.44	15.98	15.69
6/2437.0	17.41	16.44	16.12	16.22
11/2462.0	17.17	16.06	15.59	15.68

2.4G WI-FI Channel/Freq.(MHz)	Output Power (dBm)	
	802.11n(HT40)	802.11ax(HE40)
3/2422.0	15.21	15.67
6/2437.0	15.35	16.57
9/2452.0	15.20	15.49

Wi-Fi 2.4G Standalone Output power ANT 13

2.4G WI-FI Channel/Freq.(MHz)	Output Power (dBm)			
	802.11b	802.11g	802.11n(HT20)	802.11ax(HE20)
1/2412.0	17.45	16.65	15.51	15.31
6/2437.0	18.00	16.65	15.75	15.81
11/2462.0	18.02	16.71	15.96	15.94

2.4G WI-FI Channel/Freq.(MHz)	Output Power (dBm)	
	802.11n(HT40)	802.11ax(HE40)
3/2422.0	15.77	15.67
6/2437.0	15.84	15.82
9/2452.0	15.72	15.66



Wi-Fi 2.4G MIMO Standalone Output power(Full Power) ANT 12+13

2.4G WI-FI Channel/Freq.(MHz)	Output Power (dBm)	
	802.11n(HT20)	802.11ax(HE20)
1/2412.0	16.39	15.63
6/2437.0	16.56	16.12
11/2462.0	16.42	15.98

2.4G WI-FI Channel/Freq.(MHz)	Output Power (dBm)	
	802.11n(HT40)	802.11ax(HE40)
3/2422.0	16.02	15.88
6/2437.0	16.33	16.34
9/2452.0	15.70	15.68

**2.4GWIFI Simultaneous Transmissions Output Power(DSI 4 Power)**

Wi-Fi 2.4G Simultaneous Transmissions Output power ANT 12

2.4G WI-FI Channel/Freq.(MHz)	Output Power (dBm)			
	802.11b	802.11g	802.11n(HT20)	802.11ax(HE20)
1/2412.0	14.51	14.07	14.05	13.88
6/2437.0	14.40	13.94	13.83	14.08
11/2462.0	14.06	13.57	13.64	13.70

2.4G WI-FI Channel/Freq.(MHz)	Output Power (dBm)	
	802.11n(HT40)	802.11ax(HE40)
3/2422.0	13.70	13.56
6/2437.0	13.78	13.81
9/2452.0	13.29	13.28

Wi-Fi 2.4G Simultaneous Transmissions Output power ANT 13

2.4G WI-FI Channel/Freq.(MHz)	Output Power (dBm)			
	802.11b	802.11g	802.11n(HT20)	802.11ax(HE20)
1/2412.0	12.11	11.62	11.56	11.25
6/2437.0	12.22	11.80	11.64	11.77
11/2462.0	12.30	11.87	11.78	11.93

2.4G WI-FI Channel/Freq.(MHz)	Output Power (dBm)	
	802.11n(HT40)	802.11ax(HE40)
3/2422.0	11.54	11.48
6/2437.0	11.69	11.68
9/2452.0	11.37	11.35



Wi-Fi 2.4G MIMO Simultaneous Transmissions Output power ANT 12+13

2.4G WI-FI Channel/Freq.(MHz)	Output Power (dBm)	
	802.11n(HT20)	802.11ax(HE20)
1/2412.0	14.93	13.71
6/2437.0	15.17	14.21
11/2462.0	15.03	13.95

2.4G WI-FI Channel/Freq.(MHz)	Output Power (dBm)	
	802.11n(HT40)	802.11ax(HE40)
3/2422.0	13.92	13.91
6/2437.0	14.22	14.16
9/2452.0	13.50	13.43

**5GWIFI Standalone Output Power**

Wi-Fi U-NII-1 Standalone Output power ANT 11

Channel/Freq.(MHz)	Output Power (dBm)			
	802.11 a	802.11 n20	802.11 ac20	802.11 ax20
36/5180.0	18.53	17.68	17.67	17.78
44/5220.0	18.61	17.64	17.62	17.75
48/5240.0	18.84	17.87	17.89	17.98

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n40	802.11 ac40	802.11 ax40
38/5190.0	17.77	17.83	17.80
46/5230.0	17.67	17.97	17.98

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac80	802.11 ax80
42/5210.0	17.56	17.75

Wi-Fi U-NII-1 Standalone Output power ANT 13

Channel/Freq.(MHz)	Output Power (dBm)			
	802.11 a	802.11 n20	802.11 ac20	802.11 ax20
36/5180.0	16.25	15.82	15.88	15.89
44/5220.0	16.06	15.50	15.51	15.62
48/5240.0	16.05	15.51	15.49	15.62

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n40	802.11 ac40	802.11 ax40
38/5190.0	15.84	15.83	15.79
46/5230.0	15.60	15.62	15.59

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac80	802.11 ax80
42/5210.0	15.47	15.64



Wi-Fi U-NII-1 MIMO Standalone Output power ANT 11+13

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n20	802.11 ac20	802.11 ax20
36/5180.0	17.63	17.18	17.25
44/5220.0	17.61	17.11	17.35
48/5240.0	17.74	17.23	17.33

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n40	802.11 ac40	802.11 ax40
38/5190.0	16.87	16.81	16.84
46/5230.0	16.78	16.84	16.76

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac80	802.11 ax80
42/5210.0	16.42	16.62



Wi-Fi U-NII-2A Standalone Output power ANT 11

Channel/Freq.(MHz)	Output Power (dBm)			
	802.11 a	802.11 n20	802.11 ac20	802.11 ax20
52/5260.0	18.71	17.79	17.98	18.09
60/5300.0	18.39	17.97	17.98	17.84
64/5320.0	18.34	17.71	17.70	17.94

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n40	802.11 ac40	802.11 ax40
54/5270.0	17.90	17.91	17.90
62/5310.0	17.97	17.99	17.94

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac80	802.11 ax80
58/5290.0	17.79	17.93

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac160	802.11 ax160
50/5250.0	17.92	18.24



Wi-Fi U-NII-2A Standalone Output power ANT 13

Channel/Freq.(MHz)	Output Power (dBm)			
	802.11 a	802.11 n20	802.11 ac20	802.11 ax20
52/5260.0	18.25	17.71	17.82	17.88
60/5300.0	18.35	18.01	17.93	18.03
64/5320.0	18.62	18.03	18.03	18.17

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n40	802.11 ac40	802.11 ax40
54/5270.0	17.85	17.87	17.84
62/5310.0	18.12	18.10	18.14

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac80	802.11 ax80
58/5290.0	17.79	17.99

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac160	802.11 ax160
50/5250.0	17.95	18.25



Wi-Fi U-NII-2A MIMO Standalone Output power ANT 11+13

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n20	802.11 ac20	802.11 ax20
52/5260.0	16.96	16.63	16.59
60/5300.0	17.14	16.60	16.81
64/5320.0	17.09	16.61	16.86

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n40	802.11 ac40	802.11 ax40
54/5270.0	16.57	16.12	16.08
62/5310.0	16.25	16.22	16.24

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac80	802.11 ax80
58/5290.0	16.00	16.21

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac160	802.11 ax160
50/5250.0	16.11	16.46



Wi-Fi U-NII-2C Standalone Output power ANT 11

Channel/Freq.(MHz)	Output Power (dBm)			
	802.11 a	802.11 n20	802.11 ac20	802.11 ax20
100/5500.0	18.52	17.42	17.45	17.54
120/5600.0	18.62	17.68	17.68	17.77
140/5700.0	18.95	17.74	17.70	17.87

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n40	802.11 ac40	802.11 ax40
102/5510.0	17.33	17.39	17.45
118/5590.0	17.61	17.58	17.59
134/5670.0	18.04	17.96	17.94

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac80	802.11 ax80
106/5530.0	17.16	17.34
122/5610.0	17.25	17.61

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac160	802.11 ax160
114/5570.0	17.61	17.78



Wi-Fi U-NII-2C Standalone Output power ANT 13

Channel/Freq.(MHz)	Output Power (dBm)			
	802.11 a	802.11 n20	802.11 ac20	802.11 ax20
100/5500.0	18.18	17.66	17.66	17.86
120/5600.0	17.65	17.36	17.33	17.59
140/5700.0	17.13	17.02	17.03	17.18

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n40	802.11 ac40	802.11 ax40
102/5510.0	17.88	17.85	17.94
118/5590.0	17.66	17.83	17.89
134/5670.0	17.32	17.22	17.22

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac80	802.11 ax80
106/5530.0	17.69	17.83
122/5610.0	17.35	17.65

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac160	802.11 ax160
114/5570.0	17.58	17.93



Wi-Fi U-NII-2C MIMO Standalone Output power ANT 11+13

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n20	802.11 ac20	802.11 ax20
100/5500.0	17.85	17.09	17.31
120/5600.0	17.77	17.27	17.33
140/5700.0	17.99	17.09	17.18

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n40	802.11 ac40	802.11 ax40
102/5510.0	16.90	17.00	16.84
118/5590.0	16.96	16.91	16.97
134/5670.0	17.02	17.04	16.88

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac80	802.11 ax80
106/5530.0	16.75	16.92
122/5610.0	16.94	16.81

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac160	802.11 ax160
114/5570.0	16.89	17.32



Wi-Fi U-NII-3 Standalone Output power ANT 11

Channel/Freq.(MHz)	Output Power (dBm)			
	802.11 a	802.11 n20	802.11 ac20	802.11 ax20
149/5745.0	18.58	18.07	18.05	18.19
157/5785.0	18.51	18.09	18.09	18.25
165/5825.0	18.69	18.17	18.22	18.31

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n40	802.11 ac40	802.11 ax40
151/5755.0	18.15	18.19	18.31
159/5795.0	18.21	18.35	18.27

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac80	802.11 ax80
155/5775.0	17.92	18.07

Wi-Fi U-NII-3 Standalone Output power ANT 13

Channel/Freq.(MHz)	Output Power (dBm)			
	802.11 a	802.11 n20	802.11 ac20	802.11 ax20
149/5745.0	18.07	17.52	17.59	17.69
157/5785.0	18.07	17.65	17.74	17.92
165/5825.0	18.35	17.76	17.71	17.87

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n40	802.11 ac40	802.11 ax40
151/5755.0	17.85	17.91	17.86
159/5795.0	18.10	18.08	18.09

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac80	802.11 ax80
155/5775.0	17.54	17.74



Wi-Fi U-NII-3 Standalone MIMO Output power ANT 11+13

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n20	802.11 ac20	802.11 ax20
149/5745.0	18.20	17.93	16.59
157/5785.0	18.28	17.65	16.81
165/5825.0	18.31	17.58	16.86

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n40	802.11 ac40	802.11 ax40
151/5755.0	17.34	17.31	16.08
159/5795.0	17.34	17.41	16.24

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac80	802.11 ax80
155/5775.0	17.12	16.21

**5GWIFI Simultaneous Transmissions Output Power(DSI 4 Power)**

Wi-Fi U-NII-1 Simultaneous Transmissions Output power ANT 11

Channel/Freq.(MHz)	Output Power (dBm)			
	802.11 a	802.11 n20	802.11 ac20	802.11 ax20
36/5180.0	15.63	14.57	14.52	14.66
44/5220.0	15.59	14.61	14.59	14.67
48/5240.0	15.86	14.82	14.84	14.97

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n40	802.11 ac40	802.11 ax40
38/5190.0	14.66	14.66	14.67
46/5230.0	14.93	14.90	14.91

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac80	802.11 ax80
42/5210.0	14.53	14.70

Wi-Fi U-NII-1 Simultaneous Transmissions Output power ANT 13

Channel/Freq.(MHz)	Output Power (dBm)			
	802.11 a	802.11 n20	802.11 ac20	802.11 ax20
36/5180.0	13.11	12.10	12.04	12.12
44/5220.0	12.88	11.78	11.81	11.88
48/5240.0	12.70	11.71	11.72	11.83

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n40	802.11 ac40	802.11 ax40
38/5190.0	12.28	12.26	12.31
46/5230.0	12.08	12.03	12.03

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac80	802.11 ax80
42/5210.0	11.96	12.14



Wi-Fi U-NII-1 MIMO Simultaneous Transmissions Output power ANT 11+13

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n20	802.11 ac20	802.11 ax20
36/5180.0	16.74	15.85	15.71
44/5220.0	16.45	15.61	15.63
48/5240.0	16.54	15.58	15.72

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n40	802.11 ac40	802.11 ax40
38/5190.0	15.79	15.80	15.72
46/5230.0	15.85	15.86	15.79

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac80	802.11 ax80
42/5210.0	15.56	15.77



Wi-Fi U-NII-2A Simultaneous Transmissions Output power ANT 11

Channel/Freq.(MHz)	Output Power (dBm)			
	802.11 a	802.11 n20	802.11 ac20	802.11 ax20
52/5260.0	16.36	15.42	15.36	15.48
60/5300.0	16.61	15.51	15.52	15.62
64/5320.0	16.32	15.33	15.33	15.46

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n40	802.11 ac40	802.11 ax40
54/5270.0	15.45	15.47	15.43
62/5310.0	15.53	15.54	15.53

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac80	802.11 ax80
58/5290.0	15.35	15.54

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac160	802.11 ax160
50/5250.0	15.49	15.78



Wi-Fi U-NII-2A Simultaneous Transmissions Output power ANT 13

Channel/Freq.(MHz)	Output Power (dBm)			
	802.11 a	802.11 n20	802.11 ac20	802.11 ax20
52/5260.0	15.23	14.30	14.27	14.38
60/5300.0	15.41	14.40	14.43	14.47
64/5320.0	15.52	14.52	14.57	14.70

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n40	802.11 ac40	802.11 ax40
54/5270.0	14.70	14.66	14.49
62/5310.0	14.96	14.98	14.76

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac80	802.11 ax80
58/5290.0	14.36	14.60

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac160	802.11 ax160
50/5250.0	14.45	14.76



Wi-Fi U-NII-2A MIMO Simultaneous Transmissions Output power ANT 11+13

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n20	802.11 ac20	802.11 ax20
52/5260.0	17.10	16.55	16.67
60/5300.0	17.27	16.70	16.79
64/5320.0	17.28	16.75	16.86

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n40	802.11 ac40	802.11 ax40
54/5270.0	16.69	16.65	16.66
62/5310.0	16.81	16.80	16.81

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac80	802.11 ax80
58/5290.0	16.54	16.75

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac160	802.11 ax160
50/5250.0	16.67	17.01



Wi-Fi U-NII-2C Simultaneous Transmissions Output power ANT 11

Channel/Freq.(MHz)	Output Power (dBm)			
	802.11 a	802.11 n20	802.11 ac20	802.11 ax20
100/5500.0	14.90	14.44	14.41	14.61
120/5600.0	15.30	14.71	14.74	14.80
140/5700.0	15.24	14.80	14.85	14.98

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n40	802.11 ac40	802.11 ax40
102/5510.0	14.53	14.49	14.48
118/5590.0	14.79	14.67	14.76
134/5670.0	15.01	15.03	15.09

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac80	802.11 ax80
106/5530.0	14.27	14.44
122/5610.0	14.52	14.65

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac160	802.11 ax160
114/5570.0	14.82	15.01



Wi-Fi U-NII-2C Simultaneous Transmissions Output power ANT 13

Channel/Freq.(MHz)	Output Power (dBm)			
	802.11 a	802.11 n20	802.11 ac20	802.11 ax20
100/5500.0	16.28	15.81	15.75	15.82
120/5600.0	15.79	15.32	15.31	15.40
140/5700.0	15.78	15.31	15.22	15.28

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n40	802.11 ac40	802.11 ax40
102/5510.0	15.96	15.96	15.98
118/5590.0	15.52	15.49	15.48
134/5670.0	15.46	15.41	15.39

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac80	802.11 ax80
106/5530.0	15.71	15.84
122/5610.0	15.18	15.38

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac160	802.11 ax160
114/5570.0	15.20	15.45



Wi-Fi U-NII-2C MIMO Simultaneous Transmissions Output power ANT 11+13

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n20	802.11 ac20	802.11 ax20
100/5500.0	16.90	16.44	16.49
120/5600.0	16.80	16.27	16.27
140/5700.0	16.87	16.47	16.48

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n40	802.11 ac40	802.11 ax40
102/5510.0	16.60	16.62	16.57
118/5590.0	16.46	16.46	16.42
134/5670.0	16.59	16.56	16.57

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac80	802.11 ax80
106/5530.0	16.26	16.46
122/5610.0	16.17	16.33

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac160	802.11 ax160
114/5570.0	16.47	16.77



Wi-Fi U-NII-3 Simultaneous Transmissions Output power ANT 11

Channel/Freq.(MHz)	Output Power (dBm)			
	802.11 a	802.11 n20	802.11 ac20	802.11 ax20
149/5745.0	17.04	16.51	16.48	16.63
157/5785.0	16.97	16.46	16.45	16.57
165/5825.0	17.16	16.64	16.58	16.69

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n40	802.11 ac40	802.11 ax40
151/5755.0	16.73	16.68	16.71
159/5795.0	16.65	16.67	16.64

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac80	802.11 ax80
155/5775.0	16.31	16.51

Wi-Fi U-NII-3 Simultaneous Transmissions Output power ANT 13

Channel/Freq.(MHz)	Output Power (dBm)			
	802.11 a	802.11 n20	802.11 ac20	802.11 ax20
149/5745.0	13.68	13.13	13.11	13.28
157/5785.0	13.71	13.21	13.18	13.29
165/5825.0	13.74	13.33	13.30	13.46

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n40	802.11 ac40	802.11 ax40
151/5755.0	13.28	13.30	13.27
159/5795.0	13.41	13.39	13.43

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac80	802.11 ax80
155/5775.0	13.02	13.25



Wi-Fi U-NII-3 Simultaneous Transmissions MIMO Output power ANT 11+13

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n20	802.11 ac20	802.11 ax20
149/5745.0	15.70	15.24	15.21
157/5785.0	16.17	15.17	15.29
165/5825.0	15.83	15.32	15.40

Channel/Freq.(MHz)	Output Power (dBm)		
	802.11 n40	802.11 ac40	802.11 ax40
151/5755.0	15.42	15.38	15.33
159/5795.0	15.39	15.41	15.37

Channel/Freq.(MHz)	Output Power (dBm)	
	802.11 ac80	802.11 ax80
155/5775.0	15.17	15.20



7.8 Bluetooth Conducted Power

Bluetooth Output power ANT 12

Channel	Frequency (MHz)	Output Power(dBm)		
		GFSK	$\pi/4$ -DQPSK	8-DPSK
CH 0	2402	7.96	7.24	7.74
CH 39	2441	9.32	8.70	9.25
CH 78	2480	8.36	8.04	8.69

Channel	Frequency (MHz)	BLE Output Power(dBm)	
		1M(GFSK)	2M(GFSK)
CH 0	2402	4.65	4.71
CH 19	2440	6.19	5.84
CH 39	2480	5.14	5.12

Bluetooth Output power ANT 13

Channel	Frequency (MHz)	Output Power(dBm)		
		GFSK	$\pi/4$ -DQPSK	8-DPSK
CH 0	2402	8.07	6.86	7.21
CH 39	2441	8.64	7.85	8.22
CH 78	2480	7.47	6.61	6.75

Channel	Frequency (MHz)	BLE Output Power(dBm)	
		1M(GFSK)	2M(GFSK)
CH 0	2402	7.70	7.58
CH 19	2440	8.66	8.35
CH 39	2480	7.60	7.29



7.9 NFC Conducted Power

7.9.1 Evaluation method

According to KDB 447498 D01 General RF Exposure Guidance v06, clause 4.3. General SAR test exclusion guidance:

c) For frequencies below 100 MHz, the following may be considered for SAR test exclusion (also illustrated in Appendix C):

- 1) For test separation distances > 50 mm and < 200 mm, the power threshold at the corresponding test separation distance at 100 MHz in step b) is multiplied by $[1 + \log(100/f_{\text{(MHz)}})]$
- 2) For test separation distances ≤ 50 mm, the power threshold determined by the equation in c) 1) for 50 mm and 100 MHz is multiplied by $\frac{1}{2}$
- 3) SAR measurement procedures are not established below 100 MHz.

7.9.2 Evaluation Results

Frequency (MHz)	Field strength (dB μ V/m@3m)	Radiated Power (EIRP)(mW)	Conducted power (mW)	Exclusion Threshold Level(mW)
13.56	8.34	0	0	443

Notes:

1. Field strength data are quoted from page 10 of 20240117G01519X-W9 FCC IC-NFC Report.
2. Conducted power = Radiated Power (EIRP) - Antenna Gain.
3. $\text{EIRP}[\text{dBm}] = \text{E}[\text{dB}\mu\text{V/m}] - 95.2 = 8.34\text{dB}\mu\text{V/m} - 95.2 = -86.86\text{dBm} \approx 0\text{mW}$.
4. $\text{Exclusion Threshold Level} = [474] * (1 + \log(100/f(\text{MHz}))) / 2 = 433\text{mW}$.

7.9.3 Conclusion

Since the source-based time-averaging conducted output power is well below the SAR low threshold level, so the EUT is considered to comply with SAR requirement without testing.

9. Antenna Location:





Antenna	Test Band
ANT 1	GSM 850,CDMA BC 0,WCDMA 850,LTE Band 5 / 12 / 17,5G NR 5
ANT 2	GSM 1900,WCDMA 1700 / 1900,LTE Band 2 / 4 / 7 / 41,5G NR 41
ANT 3	GSM 850,CDMA BC 0,WCDMA 850,LTE Band 5 / 12 / 17,5G NR 5
ANT 4	LTE Band 41,5G NR 41
ANT 5	5G NR 77 / 78
ANT 6	GSM 1900,WCDMA 1700 / 1900,LTE Band 2 / 4 / 7 / 41,5G NR 41
ANT 7	5G NR 77 / 78
ANT 8	LTE Band 41,5G NR 38 / 77 / 78
ANT 10	5G NR 77 / 78
ANT 11	5GWIFI
ANT 12	2.4GWIFI, Bluetooth
ANT 13	2.4GWIFI, 5GWIFI, Bluetooth



EUT Unfold Antenna-to-User (Edge Side) distance (mm):

Antenna	Front	Back	Left	Right	Top	Bottom
ANT 1	<25	<25	<25	>25	>25	<25
ANT 2	<25	<25	>25	<25	>25	<25
ANT 3	<25	<25	>25	<25	<25	>25
ANT 4	<25	<25	<25	>25	>25	>25
ANT 5	<25	<25	<25	>25	>25	>25
ANT 6	<25	<25	<25	>25	<25	>25
ANT 7	<25	<25	<25	>25	<25	>25
ANT 8	<25	<25	<25	>25	<25	>25
ANT 10	<25	<25	<25	>25	<25	>25
ANT 11	<25	<25	>25	<25	<25	>25
ANT 12	<25	<25	>25	<25	<25	>25
ANT 13	<25	<25	>25	<25	<25	>25

Note:

1. Overall (Length x Width x High): 170.4mm x 75.5 mm x 11 mm
2. Overall Diagonal: 180 mm / Display Diagonal: 171 mm



The Body SAR measurement positions of each band in EUT Unfold state are as follows:

Antenna	Front	Back	Left	Right	Top	Bottom
ANT 1 Body	Yes	Yes	Yes	No	No	Yes
ANT 2 Body	Yes	Yes	No	Yes	No	Yes
ANT 3 Body	Yes	Yes	No	Yes	Yes	No
ANT 4 Body	Yes	Yes	Yes	No	No	No
ANT 5 Body	Yes	Yes	Yes	No	No	No
ANT 6 Body	Yes	Yes	Yes	No	Yes	No
ANT 7 Body	Yes	Yes	Yes	No	Yes	No
ANT 8 Body	Yes	Yes	Yes	No	Yes	No
ANT 10 Body	Yes	Yes	Yes	No	Yes	No
ANT 11 Body	Yes	Yes	No	Yes	Yes	No
ANT 12 Body	Yes	Yes	No	Yes	Yes	No
ANT 13 Body	Yes	Yes	No	Yes	Yes	No

Note:

1. The SAR evaluation procedures for Portable Devices with Wireless Router function is according to KDB 941225 D06 Hotspot SAR v02r01.
2. Head/Body-worn/Hotspot mode SAR assessments are required.
3. Referring to KDB 941225 D06, when the overall device length and width are $\geq 9\text{cm} \times 5\text{cm}$, the test distance is 10 mm. SAR must be measured for all sides and surfaces with a transmitting antenna located within 25mm from that surface or edge.



EUT Fold Antenna-to-User (Edge Side) distance (mm):

Antenna	Front	Back	Left	Right	Top	Bottom
ANT 1	<25	<25	<25	>25	>25	<25
ANT 2	<25	<25	>25	<25	>25	<25
ANT 3	<25	<25	>25	<25	>25	<25
ANT 4	<25	<25	<25	>25	<25	>25
ANT 5	<25	<25	<25	>25	<25	>25
ANT 6	<25	<25	<25	>25	>25	<25
ANT 7	<25	<25	<25	>25	>25	<25
ANT 8	<25	<25	<25	>25	>25	<25
ANT 10	<25	<25	<25	>25	>25	<25
ANT 11	<25	<25	>25	<25	>25	<25
ANT 12	<25	<25	>25	<25	>25	<25
ANT 13	<25	<25	>25	<25	>25	<25

Note:

1. Overall (Length x Width x High): 87.5mm x 75.5 mm x 21 mm



The Body SAR measurement positions of each band in EUT Fold state are as follows:

Antenna	Front	Back	Left	Right	Top	Bottom
ANT 1 Body	Yes	Yes	Yes	No	No	Yes
ANT 2 Body	Yes	Yes	No	Yes	No	Yes
ANT 3 Body	Yes	Yes	No	Yes	No	Yes
ANT 4 Body	Yes	Yes	Yes	No	Yes	No
ANT 5 Body	Yes	Yes	Yes	No	Yes	No
ANT 6 Body	Yes	Yes	Yes	No	No	Yes
ANT 7 Body	Yes	Yes	Yes	No	No	Yes
ANT 8 Body	Yes	Yes	Yes	No	No	Yes
ANT 10 Body	Yes	Yes	Yes	No	No	Yes
ANT 11 Body	Yes	Yes	No	Yes	No	Yes
ANT 12 Body	Yes	Yes	No	Yes	No	Yes
ANT 13 Body	Yes	Yes	No	Yes	No	Yes

1. The SAR evaluation procedures for Portable Devices with Wireless Router function is according to KDB 941225 D06 Hotspot SAR v02r01.
2. Head/Body-worn/Hotspot mode SAR assessments are required.
3. Referring to KDB 941225 D06, when the overall device length and width are $\geq 9\text{cm} \times 5\text{cm}$, the test distance is 10 mm. SAR must be measured for all sides and surfaces with a transmitting antenna located within 25mm from that surface or edge.



10. Scaling Factor calculation

Operation Mode	Channel /Frequency	Output Power(dBm)	Tune up Power in tolerance (dBm)	Max. Tune up(dBm)	Scaling Factor
GSM850 ANT 1 Full Power	128/824.2	33.06	32.5 ± 1.0	33.50	1.107
	189/836.4	33.15	32.5 ± 1.0	33.50	1.084
	251/848.8	33.20	32.5 ± 1.0	33.50	1.072
GPRS850 (GPRS 4Tx)ANT 1 Full Power	128/824.2	28.40	28.0 ± 1.0	29.00	1.148
	189/836.4	28.45	28.0 ± 1.0	29.00	1.135
	251/848.8	28.60	28.0 ± 1.0	29.00	1.096
GSM850 ANT 3 Full Power	128/824.2	32.66	32.0 ± 1.0	33.00	1.081
	189/836.4	32.65	32.0 ± 1.0	33.00	1.084
	251/848.8	32.60	32.0 ± 1.0	33.00	1.096
GPRS850 (GPRS 4Tx)ANT 3 Full Power	128/824.2	27.94	27.5 ± 1.0	28.50	1.138
	189/836.4	28.11	27.5 ± 1.0	28.50	1.094
	251/848.8	28.26	28.0 ± 1.0	29.00	1.186
GSM1900 ANT 2 Full Power	512/1850.2	31.29	31.0 ± 1.0	32.00	1.178
	661/1880.0	31.55	31.0 ± 1.0	32.00	1.109
	810/1909.8	31.47	31.0 ± 1.0	32.00	1.130
GPRS1900 (GPRS 4Tx) ANT 2 Full Power	512/1850.2	25.90	25.5 ± 1.0	26.50	1.148
	661/1880.0	25.96	25.5 ± 1.0	26.50	1.132
	810/1909.8	25.85	25.5 ± 1.0	26.50	1.161
GSM1900 ANT 6 Full Power	512/1850.2	30.30	30.0 ± 1.0	31.00	1.175
	661/1880.0	30.27	30.0 ± 1.0	31.00	1.183
	810/1909.8	30.40	30.0 ± 1.0	31.00	1.148
GPRS1900 (GPRS 4Tx) ANT 6 Full Power	512/1850.2	24.86	24.5 ± 1.0	25.50	1.159
	661/1880.0	24.95	24.5 ± 1.0	25.50	1.135
	810/1909.8	25.00	24.5 ± 1.0	25.50	1.122
GSM1900 ANT 6 DSI 1 Power	512/1850.2	28.57	28.0 ± 1.0	29.00	1.104
	661/1880.0	28.60	28.0 ± 1.0	29.00	1.096
	810/1909.8	28.61	28.0 ± 1.0	29.00	1.094
GPRS1900 (GPRS 4Tx) ANT 6 DSI 1 Power	512/1850.2	23.73	23.0 ± 1.0	24.00	1.064
	661/1880.0	23.86	23.5 ± 1.0	24.50	1.159
	810/1909.8	23.91	23.5 ± 1.0	24.50	1.146
CDMA BC 0 ANT 1 Full Power	1013/824.70	24.24	23.5 ± 1.0	24.50	1.062
	384/836.52	24.17	23.5 ± 1.0	24.50	1.079
	777/848.31	24.22	23.5 ± 1.0	24.50	1.067



CDMA BC 0 ANT 3 Full Power	1013/824.70	24.01	23.5 ±1.0	24.50	1.119
	384/836.52	23.97	23.5 ±1.0	24.50	1.130
	777/848.31	24.12	23.5 ±1.0	24.50	1.091
CDMA BC 0 ANT 3 DSI 1 Power	1013/824.70	23.05	22.5 ±1.0	23.50	1.109
	384/836.52	22.92	22.5 ±1.0	23.50	1.143
	777/848.31	23.06	22.5 ±1.0	23.50	1.107
WCDMA850 ANT 1 Full Power	4132/826.4	25.01	24.5 ±1.0	25.50	1.119
	4183/836.6	25.02	24.5 ±1.0	25.50	1.117
	4233/846.6	24.99	24.5 ±1.0	25.50	1.125
WCDMA850 ANT 3 Full Power	4132/826.4	24.66	24.0 ±1.0	25.00	1.081
	4183/836.6	24.75	24.0 ±1.0	25.00	1.059
	4233/846.6	24.69	24.0 ±1.0	25.00	1.074
WCDMA850 ANT 3 DSI 1 Power	4132/826.4	21.16	20.5 ±1.0	21.50	1.081
	4183/836.6	21.11	20.5 ±1.0	21.50	1.094
	4233/846.6	21.04	20.5 ±1.0	21.50	1.112
WCDMA1700 ANT 2 Full Power	1312/1712.4	25.34	25.0 ±1.0	26.00	1.164
	1413/1732.6	25.35	25.0 ±1.0	26.00	1.161
	1513/1752.6	25.43	25.0 ±1.0	26.00	1.140
WCDMA1700 ANT 6 Full Power	1312/1712.4	18.84	18.5 ±1.0	19.50	1.164
	1413/1732.6	18.85	18.5 ±1.0	19.50	1.161
	1513/1752.6	18.88	18.5 ±1.0	19.50	1.153
WCDMA1700 ANT 6 DSI 1 Power	1312/1712.4	16.11	15.5 ±1.0	16.50	1.094
	1413/1732.6	16.26	16.0 ±1.0	17.00	1.186
	1513/1752.6	16.18	15.5 ±1.0	16.50	1.076
WCDMA1900 ANT 2 Full Power	9262/1852.4	25.45	25.0 ±1.0	26.00	1.135
	9400/1880.0	25.47	25.0 ±1.0	26.00	1.130
	9538/1907.6	25.59	25.0 ±1.0	26.00	1.099
WCDMA1900 ANT 6 Full Power	9262/1852.4	20.41	20.0 ±1.0	21.00	1.146
	9400/1880.0	20.47	20.0 ±1.0	21.00	1.130
	9538/1907.6	20.44	20.0 ±1.0	21.00	1.138
WCDMA1900 ANT 6 DSI 1 Power	9262/1852.4	17.62	17.0 ±1.0	18.00	1.091
	9400/1880.0	17.68	17.0 ±1.0	18.00	1.076
	9538/1907.6	17.59	17.0 ±1.0	18.00	1.099
LTE B2 20MHz 1RB#0 ANT 2 Full Power	18700/1860.0	25.48	25.0 ±1.0	26.00	1.127
	18900/1880.0	25.53	25.0 ±1.0	26.00	1.114
	19100/1900.0	25.42	25.0 ±1.0	26.00	1.143



LTE B2 20MHz 50%RB#0 ANT 2 Full Power	18700/1860.0	24.40	24.0 ±1.0	25.00	1.148
	18900/1880.0	24.42	24.0 ±1.0	25.00	1.143
	19100/1900.0	24.41	24.0 ±1.0	25.00	1.146
LTE B2 20MHz 1RB#0 ANT 6 Full Power	18700/1860.0	21.32	21.0 ±1.0	22.00	1.169
	18900/1880.0	21.29	21.0 ±1.0	22.00	1.178
	19100/1900.0	21.38	21.0 ±1.0	22.00	1.153
LTE B2 20MHz 50%RB#0 ANT 6 Full Power	18700/1860.0	20.36	20.0 ±1.0	21.00	1.159
	18900/1880.0	20.23	19.5 ±1.0	20.50	1.064
	19100/1900.0	20.33	20.0 ±1.0	21.00	1.167
LTE B2 20MHz 1RB#0 ANT 6 DSI 1 Power	18700/1860.0	19.31	19.0 ±1.0	20.00	1.172
	18900/1880.0	19.42	19.0 ±1.0	20.00	1.143
	19100/1900.0	19.49	19.0 ±1.0	20.00	1.125
LTE B2 20MHz 50%RB#0 ANT 6 DSI 1 Power	18700/1860.0	18.29	18.0 ±1.0	19.00	1.178
	18900/1880.0	18.12	17.5 ±1.0	18.50	1.091
	19100/1900.0	18.32	18.0 ±1.0	19.00	1.169
LTE B4 20MHz 1RB#0 ANT 2 Full Power	20050/1720.0	25.54	25.0 ±1.0	26.00	1.112
	20175/1732.5	25.56	25.0 ±1.0	26.00	1.107
	20300/1745.0	25.70	25.0 ±1.0	26.00	1.072
LTE B4 20MHz 50%RB#0 ANT 2 Full Power	20050/1720.0	24.54	24.0 ±1.0	25.00	1.112
	20175/1732.5	24.60	24.0 ±1.0	25.00	1.096
	20300/1745.0	24.56	24.0 ±1.0	25.00	1.107
LTE B4 20MHz 1RB#0 ANT 6 Full Power	20050/1720.0	20.28	20.0 ±1.0	21.00	1.180
	20175/1732.5	20.35	20.0 ±1.0	21.00	1.161
	20300/1745.0	20.41	20.0 ±1.0	21.00	1.146
LTE B4 20MHz 50%RB#0 ANT 6 Full Power	20050/1720.0	19.34	19.0 ±1.0	20.00	1.164
	20175/1732.5	19.37	19.0 ±1.0	20.00	1.156
	20300/1745.0	19.50	19.0 ±1.0	20.00	1.122
LTE B4 20MHz 1RB#0 ANT 6 DSI 1 Power	20050/1720.0	17.33	17.0 ±1.0	18.00	1.167
	20175/1732.5	17.55	17.0 ±1.0	18.00	1.109
	20300/1745.0	17.41	17.0 ±1.0	18.00	1.146
LTE B4 20MHz 50%RB#0 ANT 6 DSI 1 Power	20050/1720.0	16.34	16.0 ±1.0	17.00	1.164
	20175/1732.5	16.35	16.0 ±1.0	17.00	1.161
	20300/1745.0	16.50	16.0 ±1.0	17.00	1.122
LTE B5 10MHz 1RB#0 ANT 1 Full Power	20450/829.0	25.03	24.5 ±1.0	25.50	1.114
	20525/836.5	25.01	24.5 ±1.0	25.50	1.119
	20600/844.0	25.02	24.5 ±1.0	25.50	1.117



LTE B5 10MHz 50%RB#0 ANT 1 Full Power	20450/829.0	23.99	23.5 ±1.0	24.50	1.125
	20525/836.5	24.01	23.5 ±1.0	24.50	1.119
	20600/844.0	24.01	23.5 ±1.0	24.50	1.119
LTE B5 10MHz 1RB#0 ANT 3 Full Power	20450/829.0	24.70	24.0 ±1.0	25.00	1.072
	20525/836.5	24.66	24.0 ±1.0	25.00	1.081
	20600/844.0	24.73	24.0 ±1.0	25.00	1.064
LTE B5 10MHz 50%RB#0 ANT 3 Full Power	20450/829.0	23.71	23.0 ±1.0	24.00	1.069
	20525/836.5	23.72	23.0 ±1.0	24.00	1.067
	20600/844.0	23.74	23.0 ±1.0	24.00	1.062
LTE B5 10MHz 1RB#0 ANT 3 DSI 1 Power	20450/829.0	22.54	22.0 ±1.0	23.00	1.112
	20525/836.5	22.43	22.0 ±1.0	23.00	1.140
	20600/844.0	22.35	22.0 ±1.0	23.00	1.161
LTE B5 10MHz 50%RB#0 ANT 3 DSI 1 Power	20450/829.0	21.30	21.0 ±1.0	22.00	1.175
	20525/836.5	21.45	21.0 ±1.0	22.00	1.135
	20600/844.0	21.19	20.5 ±1.0	21.50	1.074
LTE B7 20MHz 1RB#0 ANT 2 Full Power	20850/2510.0	24.59	24.0 ±1.0	25.00	1.099
	21100/2535.0	24.45	24.0 ±1.0	25.00	1.135
	21350/2560.0	24.32	24.0 ±1.0	25.00	1.169
LTE B7 20MHz 50%RB#0 ANT 2 Full Power	20850/2510.0	23.12	22.5 ±1.0	23.50	1.091
	21100/2535.0	23.35	23.0 ±1.0	24.00	1.161
	21350/2560.0	23.35	23.0 ±1.0	24.00	1.161
LTE B7 20MHz 1RB#0 ANT 6 Full Power	20850/2510.0	21.11	20.5 ±1.0	21.50	1.094
	21100/2535.0	21.07	20.5 ±1.0	21.50	1.104
	21350/2560.0	21.05	20.5 ±1.0	21.50	1.109
LTE B7 20MHz 50%RB#0 ANT 6 Full Power	20850/2510.0	20.05	19.5 ±1.0	20.50	1.109
	21100/2535.0	20.04	19.5 ±1.0	20.50	1.112
	21350/2560.0	19.95	19.5 ±1.0	20.50	1.135
LTE B7 20MHz 1RB#0 ANT 6 DSI 1 Power	20850/2510.0	19.06	18.5 ±1.0	19.50	1.107
	21100/2535.0	19.14	18.5 ±1.0	19.50	1.086
	21350/2560.0	18.94	18.5 ±1.0	19.50	1.138
LTE B7 20MHz 50%RB#0 ANT 6 DSI 1 Power	20850/2510.0	17.86	17.5 ±1.0	18.50	1.159
	21100/2535.0	17.74	17.0 ±1.0	18.00	1.062
	21350/2560.0	17.92	17.5 ±1.0	18.50	1.143
LTE B12 10MHz 1RB#0 ANT 1 Full Power	23060/704.0	25.01	24.5 ±1.0	25.50	1.119
	23095/707.5	25.06	24.5 ±1.0	25.50	1.107
	23130/711.0	24.97	24.5 ±1.0	25.50	1.130



LTE B12 10MHz 50%RB#0 ANT 1 Full Power	23060/704.0	23.92	23.5 ±1.0	24.50	1.143
	23095/707.5	23.99	23.5 ±1.0	24.50	1.125
	23130/711.0	23.94	23.5 ±1.0	24.50	1.138
LTE B12 10MHz 1RB#0 ANT 3 Full Power	23060/704.0	22.95	22.5 ±1.0	23.50	1.135
	23095/707.5	23.04	22.5 ±1.0	23.50	1.112
	23130/711.0	23.01	22.5 ±1.0	23.50	1.119
LTE B12 10MHz 50%RB#0 ANT 3 Full Power	23060/704.0	21.87	21.5±1.0	22.50	1.156
	23095/707.5	21.92	21.5±1.0	22.50	1.143
	23130/711.0	21.91	21.5±1.0	22.50	1.146
LTE B12 10MHz 1RB#0 ANT 3 DSI 1 Power	23060/704.0	19.96	19.5 ±1.0	20.50	1.132
	23095/707.5	19.89	19.5 ±1.0	20.50	1.151
	23130/711.0	20.12	19.5 ±1.0	20.50	1.091
LTE B12 10MHz 50%RB#0 ANT 3 DSI 1 Power	23060/704.0	18.73	18.0±1.0	19.00	1.064
	23095/707.5	18.93	18.5±1.0	19.50	1.140
	23130/711.0	19.06	18.5±1.0	19.50	1.107
LTE B17 10MHz 1RB#0 ANT 1 Full Power	23780/709.0	24.96	24.5 ±1.0	25.50	1.132
	23790/710.0	25.07	24.5 ±1.0	25.50	1.104
	23800/711.0	25.00	24.5 ±1.0	25.50	1.122
LTE B17 10MHz 50%RB#0 ANT 1 Full Power	23780/709.0	23.98	23.5 ±1.0	24.50	1.127
	23790/710.0	23.96	23.5 ±1.0	24.50	1.132
	23800/711.0	24.00	23.5 ±1.0	24.50	1.122
LTE B17 10MHz 1RB#0 ANT 3 Full Power	23780/709.0	23.04	22.5 ±1.0	23.50	1.112
	23790/710.0	23.09	22.5 ±1.0	23.50	1.099
	23800/711.0	23.04	22.5 ±1.0	23.50	1.112
LTE B17 10MHz 50%RB#0 ANT 3 Full Power	23780/709.0	22.11	21.5 ±1.0	22.50	1.094
	23790/710.0	22.13	21.5 ±1.0	22.50	1.089
	23800/711.0	22.24	21.5 ±1.0	22.50	1.062
LTE B17 10MHz 1RB#0 ANT 3 DSI 1 Power	23780/709.0	19.98	19.5 ±1.0	20.50	1.127
	23790/710.0	19.89	19.5 ±1.0	20.50	1.151
	23800/711.0	20.08	19.5 ±1.0	20.50	1.102
LTE B17 10MHz 50%RB#0 ANT 3 DSI 1 Power	23780/709.0	19.14	18.5 ±1.0	19.50	1.086
	23790/710.0	18.98	18.5 ±1.0	19.50	1.127
	23800/711.0	19.00	18.5 ±1.0	19.50	1.122
LTE B41 20MHz 1RB#0 ANT 2 Full Power	39750/2506.0	25.51	25.0 ±1.0	26.00	1.119
	40620/2593.0	25.45	25.0 ±1.0	26.00	1.135
	41490/2680.0	25.61	25.0 ±1.0	26.00	1.094



LTE B41 20MHz 50%RB#0 ANT 2 Full Power	39750/2506.0	24.21	23.5 ±1.0	24.50	1.069
	40620/2593.0	24.25	23.5 ±1.0	24.50	1.059
	41490/2680.0	24.14	23.5 ±1.0	24.50	1.086
LTE B41 20MHz 1RB#0 ANT 4 Full Power	39750/2506.0	25.79	25.5 ±1.0	26.50	1.178
	40620/2593.0	25.85	25.5 ±1.0	26.50	1.161
	41490/2680.0	25.91	25.5 ±1.0	26.50	1.146
LTE B41 20MHz 50%RB#0 ANT 4 Full Power	39750/2506.0	24.46	24.0 ±1.0	25.00	1.132
	40620/2593.0	24.56	24.0 ±1.0	25.00	1.107
	41490/2680.0	24.42	24.0 ±1.0	25.00	1.143
LTE B41 20MHz 1RB#0 ANT 4 DSI 1 Power	39750/2506.0	24.35	24.0 ±1.0	25.00	1.161
	40620/2593.0	24.41	24.0 ±1.0	25.00	1.146
	41490/2680.0	24.33	24.0 ±1.0	25.00	1.167
LTE B41 20MHz 50%RB#0 ANT 4 DSI 1 Power	39750/2506.0	23.89	23.0 ±1.0	24.00	1.026
	40620/2593.0	23.84	23.0 ±1.0	24.00	1.038
	41490/2680.0	23.74	23.0 ±1.0	24.00	1.062
LTE B41 20MHz 1RB#0 ANT 6 Full Power	39750/2506.0	23.27	23.0 ±1.0	24.00	1.183
	40620/2593.0	23.34	23.0 ±1.0	24.00	1.164
	41490/2680.0	23.30	23.0 ±1.0	24.00	1.175
LTE B41 20MHz 50%RB#0 ANT 6 Full Power	39750/2506.0	22.26	22.0 ±1.0	23.00	1.186
	40620/2593.0	22.28	22.0 ±1.0	23.00	1.180
	41490/2680.0	22.28	22.0 ±1.0	23.00	1.180
LTE B41 20MHz 1RB#0 ANT 6 DSI 1 Power	39750/2506.0	22.41	22.0 ±1.0	23.00	1.146
	40620/2593.0	22.35	22.0 ±1.0	23.00	1.161
	41490/2680.0	22.50	22.0 ±1.0	23.00	1.122
LTE B41 20MHz 50%RB#0 ANT 6 DSI 1 Power	39750/2506.0	21.46	21.0 ±1.0	22.00	1.132
	40620/2593.0	21.53	21.0 ±1.0	22.00	1.114
	41490/2680.0	21.45	21.0 ±1.0	22.00	1.135
LTE B41 20MHz 1RB#0 ANT 8 Full Power	39750/2506.0	23.01	22.5 ±1.0	23.50	1.119
	40620/2593.0	23.05	22.5 ±1.0	23.50	1.109
	41490/2680.0	23.17	22.5 ±1.0	23.50	1.079
LTE B41 20MHz 50%RB#0 ANT 8 Full Power	39750/2506.0	22.19	21.5 ±1.0	22.50	1.074
	40620/2593.0	22.10	21.5 ±1.0	22.50	1.096
	41490/2680.0	22.14	21.5 ±1.0	22.50	1.086
LTE B41 20MHz 1RB#0 ANT 8 DSI 1 Power	39750/2506.0	20.97	20.5 ±1.0	21.50	1.130
	40620/2593.0	20.85	20.5 ±1.0	21.50	1.161
	41490/2680.0	20.88	20.5 ±1.0	21.50	1.153



LTE B41 20MHz 50%RB#0 ANT 8 DSI 1 Power	39750/2506.0	19.78	19.5 ±1.0	20.50	1.180
	40620/2593.0	20.03	19.5 ±1.0	20.50	1.114
	41490/2680.0	19.98	19.5 ±1.0	20.50	1.127
NR5 15KHz SCS 20MHz 1RB#1 ANT 1 Full Power	166800/834.0	24.39	24.0 ±1.0	25.00	1.151
	167300/836.5	24.63	24.0 ±1.0	25.00	1.089
	167800/839.0	24.56	24.0 ±1.0	25.00	1.107
NR5 15KHz SCS 20MHz 50%RB#0 ANT 1 Full Power	166800/834.0	24.21	23.5 ±1.0	24.50	1.069
	167300/836.5	23.98	23.5 ±1.0	24.50	1.127
	167800/839.0	24.09	23.5 ±1.0	24.50	1.099
NR5 15KHz SCS 20MHz 1RB#1 ANT 3 Full Power	166800/834.0	24.46	24.0 ±1.0	25.00	1.132
	167300/836.5	24.38	24.0 ±1.0	25.00	1.153
	167800/839.0	24.50	24.0 ±1.0	25.00	1.122
NR5 15KHz SCS 20MHz 50%RB#0 ANT 3 Full Power	166800/834.0	24.19	23.5 ±1.0	24.50	1.074
	167300/836.5	24.12	23.5 ±1.0	24.50	1.091
	167800/839.0	24.16	23.5 ±1.0	24.50	1.081
NR5 15KHz SCS 20MHz 1RB#1 ANT 3 DSI 1 Power	166800/834.0	22.59	22.0 ±1.0	23.00	1.099
	167300/836.5	22.43	22.0 ±1.0	23.00	1.140
	167800/839.0	22.52	22.0 ±1.0	23.00	1.117
NR5 15KHz SCS 20MHz 50%RB#0 ANT 3 DSI 1 Power	166800/834.0	22.11	21.5 ±1.0	22.50	1.094
	167300/836.5	22.04	21.5 ±1.0	22.50	1.112
	167800/839.0	22.23	21.5 ±1.0	22.50	1.064
NR41 30KHz SCS 100MHz 1RB#1 ANT 2 Full Power	509202/2546.01	24.89	24.5 ±1.0	25.50	1.151
	518598/2592.99	24.83	24.5 ±1.0	25.50	1.167
	528000/2640.0	24.91	24.5 ±1.0	25.50	1.146
NR41 15KHz SCS 100MHz 50%RB#0 ANT 2 Full Power	509202/2546.01	24.72	24.0 ±1.0	25.00	1.067
	518598/2592.99	24.95	24.5 ±1.0	25.50	1.135
	528000/2640.0	24.89	24.5 ±1.0	25.50	1.151
NR41 30KHz SCS 100MHz 1RB#1 ANT 4 Full Power	509202/2546.01	26.37	26.0 ±1.0	27.00	1.156
	518598/2592.99	26.43	26.0 ±1.0	27.00	1.140
	528000/2640.0	26.56	26.0 ±1.0	27.00	1.107
NR41 15KHz SCS 100MHz 50%RB#0 ANT 4 Full Power	509202/2546.01	26.04	25.5 ±1.0	26.50	1.112
	518598/2592.99	25.91	25.5 ±1.0	26.50	1.146
	528000/2640.0	26.10	25.5 ±1.0	26.50	1.096
NR41 30KHz SCS 100MHz 1RB#1 ANT 6 Full Power	509202/2546.01	24.44	24.0 ±1.0	25.00	1.138
	518598/2592.99	24.51	24.0 ±1.0	25.00	1.119
	528000/2640.0	24.52	24.0 ±1.0	25.00	1.117



NR41 15KHz SCS 100MHz 50%RB#0 ANT 6 Full Power	509202/2546.01	24.18	23.5 ±1.0	24.50	1.076
	518598/2592.99	24.23	23.5 ±1.0	24.50	1.064
	528000/2640.0	24.36	24.0 ±1.0	25.00	1.159
NR41 30KHz SCS 100MHz 1RB#1 ANT 8 Full Power	509202/2546.01	25.50	25.0 ±1.0	26.00	1.122
	518598/2592.99	25.66	25.0 ±1.0	26.00	1.081
	528000/2640.0	25.55	25.0 ±1.0	26.00	1.109
NR41 15KHz SCS 100MHz 50%RB#0 ANT 8 Full Power	509202/2546.01	25.27	25.0 ±1.0	26.00	1.183
	518598/2592.99	25.32	25.0 ±1.0	26.00	1.169
	528000/2640.0	25.16	24.5 ±1.0	25.50	1.081
NR41 30KHz SCS 100MHz 1RB#1 ANT 8 DSI 1 Power	509202/2546.01	23.43	23.0 ±1.0	24.00	1.140
	518598/2592.99	23.53	23.0 ±1.0	24.00	1.114
	528000/2640.0	23.40	23.0 ±1.0	24.00	1.148
NR41 15KHz SCS 100MHz 50%RB#0 ANT 8 DSI 1 Power	509202/2546.01	23.04	22.5 ±1.0	23.50	1.112
	518598/2592.99	22.89	22.5 ±1.0	23.50	1.151
	528000/2640.0	23.18	22.5 ±1.0	23.50	1.076



NR77 30KHz SCS 100MHz 1RB#1 ANT 5 Full Power	633334/3500.01	25.32	25.0 ±1.0	26.00	1.169
NR77 30KHz SCS 100MHz 50%RB#0 ANT 5 Full Power	633334/3500.01	25.31	25.0 ±1.0	26.00	1.172
NR77 30KHz SCS 100MHz 1RB#1 ANT 5 DSI 1 Power	633334/3500.01	23.41	23.0 ±1.0	24.00	1.146
NR77 15KHz SCS 100MHz 50%RB#0 ANT 5 DSI 1 Power	633334/3500.01	23.24	22.5 ±1.0	23.50	1.062
NR77 30KHz SCS 100MHz 1RB#1 ANT 7 Full Power	633334/3500.01	25.44	25.0 ±1.0	26.00	1.138
NR77 30KHz SCS 100MHz 50%RB#0 ANT 7 Full Power	633334/3500.01	25.63	25.0 ±1.0	26.00	1.089
NR77 30KHz SCS 100MHz 1RB#1 ANT 7 DSI 1 Power	633334/3500.01	23.44	23.0 ±1.0	24.00	1.138
NR77 15KHz SCS 100MHz 50%RB#0 ANT 7 DSI 1 Power	633334/3500.01	23.12	22.5 ±1.0	23.50	1.091
NR77 30KHz SCS 100MHz 1RB#1 ANT 8 Full Power	633334/3500.01	23.29	23.0 ±1.0	24.00	1.178
NR77 30KHz SCS 100MHz 50%RB#0 ANT 8 Full Power	633334/3500.01	23.36	23.0 ±1.0	24.00	1.159
NR77 30KHz SCS 100MHz 1RB#1 ANT 10 Full Power	633334/3500.01	24.81	24.5 ±1.0	25.50	1.172
NR77 30KHz SCS 100MHz 50%RB#0 ANT 10 Full Power	633334/3500.01	24.79	24.5 ±1.0	25.50	1.178



NR78 30KHz SCS 100MHz 1RB#1 ANT 5 Full Power	633334/3500.01	25.49	25.0 ±1.0	26.00	1.125
NR78 30KHz SCS 100MHz 50%RB#0 ANT 5 Full Power	633334/3500.01	25.31	25.0 ±1.0	26.00	1.172
NR78 30KHz SCS 100MHz 1RB#1 ANT 5 DSI 1 Power	633334/3500.01	23.52	23.0 ±1.0	24.00	1.117
NR78 15KHz SCS 100MHz 50%RB#0 ANT 5 DSI 1 Power	633334/3500.01	23.13	22.5 ±1.0	23.50	1.089
NR78 30KHz SCS 100MHz 1RB#1 ANT 7 Full Power	633334/3500.01	25.42	25.0 ±1.0	26.00	1.143
NR78 30KHz SCS 100MHz 50%RB#0 ANT 7 Full Power	633334/3500.01	25.35	25.0 ±1.0	26.00	1.161
NR78 30KHz SCS 100MHz 1RB#1 ANT 7 DSI 1 Power	633334/3500.01	23.40	23.0 ±1.0	24.00	1.148
NR78 15KHz SCS 100MHz 50%RB#0 ANT 7 DSI 1 Power	633334/3500.01	22.89	22.5 ±1.0	23.50	1.151
NR78 30KHz SCS 100MHz 1RB#1 ANT 8 Full Power	633334/3500.01	23.52	23.0 ±1.0	24.00	1.117
NR78 30KHz SCS 100MHz 50%RB#0 ANT 8 Full Power	633334/3500.01	23.26	23.0 ±1.0	24.00	1.186
NR78 30KHz SCS 100MHz 1RB#1 ANT 10 Full Power	633334/3500.01	25.09	24.5 ±1.0	25.50	1.099
NR78 30KHz SCS 100MHz 50%RB#0 ANT 10 Full Power	633334/3500.01	24.94	24.5 ±1.0	25.50	1.138



WIFI Standalone (Full Power) Scaling Factor calculation

WIFI 2.4G 802.11b ANT 12	1/2412.0	18.58	18.0 ±1.0	19.00	1.102
	6/2437.0	18.51	18.0 ±1.0	19.00	1.119
	11/2462.0	18.69	18.0 ±1.0	19.00	1.074
WIFI 2.4G 802.11b ANT 13	1/2412.0	18.07	17.5 ±1.0	18.50	1.104
	6/2437.0	18.07	17.5 ±1.0	18.50	1.104
	11/2462.0	18.35	18.0 ±1.0	19.00	1.161
WIFI 2.4G 802.11n20 ANT 12+13	1/2412.0	18.20	17.5 ±1.0	18.50	1.072
	6/2437.0	18.28	18.0 ±1.0	19.00	1.180
	11/2462.0	18.31	18.0 ±1.0	19.00	1.172
Wi-Fi U-NII-1 802.11a ANT 11	36/5180.0	18.53	18.0 ±1.0	19.00	1.114
	44/5220.0	18.61	18.0 ±1.0	19.00	1.094
	48/5240.0	18.84	18.5 ±1.0	19.50	1.164
Wi-Fi U-NII-1 802.11a ANT 13	36/5180.0	16.25	15.5 ±1.0	16.50	1.059
	44/5220.0	16.06	15.5 ±1.0	16.50	1.107
	48/5240.0	16.05	15.5 ±1.0	16.50	1.109
Wi-Fi U-NII-1 802.11n20 ANT 11+13	36/5180.0	17.63	17.0 ±1.0	18.00	1.089
	44/5220.0	17.61	17.0 ±1.0	18.00	1.094
	48/5240.0	17.74	17.0 ±1.0	18.00	1.062
Wi-Fi U-NII-2a 802.11a ANT 11	52/5260.0	18.71	18.0 ±1.0	19.00	1.069
	60/5300.0	18.39	18.0 ±1.0	19.00	1.151
	64/5320.0	18.34	18.0 ±1.0	19.00	1.164
Wi-Fi U-NII-2a 802.11a ANT 13	52/5260.0	18.25	17.5 ±1.0	18.50	1.059
	60/5300.0	18.35	18.0 ±1.0	19.00	1.161
	64/5320.0	18.62	18.0 ±1.0	19.00	1.091
Wi-Fi U-NII-2a 802.11n20 ANT 11+13	52/5260.0	16.96	16.5 ±1.0	17.50	1.132
	60/5300.0	17.14	16.5 ±1.0	17.50	1.086
	64/5320.0	17.09	16.5 ±1.0	17.50	1.099
Wi-Fi U-NII-2c 802.11a ANT 11	100/5500.0	18.52	18.0 ±1.0	19.00	1.117
	120/5600.0	18.62	18.0 ±1.0	19.00	1.091
	140/5700.0	18.95	18.5 ±1.0	19.50	1.135
Wi-Fi U-NII-2c 802.11a ANT 13	100/5500.0	18.18	17.5 ±1.0	18.50	1.076
	120/5600.0	17.65	17.0 ±1.0	18.00	1.084
	140/5700.0	17.13	16.5 ±1.0	17.50	1.089



Wi-Fi U-NII-2c 802.11n20 ANT 11+13	100/5500.0	17.85	17.5 ±1.0	18.50	1.161
	120/5600.0	17.77	17.5 ±1.0	18.50	1.183
	140/5700.0	17.99	17.5 ±1.0	18.50	1.125
Wi-Fi U-NII-3 802.11a ANT 11	149/5745.0	18.58	18.0 ±1.0	19.00	1.102
	157/5785.0	18.51	18.0 ±1.0	19.00	1.119
	165/5825.0	18.69	18.0 ±1.0	19.00	1.074
Wi-Fi U-NII-3 802.11a ANT 13 Full Power	149/5745.0	18.07	17.5 ±1.0	18.50	1.104
	157/5785.0	18.07	17.5 ±1.0	18.50	1.104
	165/5825.0	18.35	18.0 ±1.0	19.00	1.161
Wi-Fi U-NII-3 802.11n20 ANT 11+13 Full Power	149/5745.0	18.20	17.5 ±1.0	18.50	1.072
	157/5785.0	18.28	18.0 ±1.0	19.00	1.180
	165/5825.0	18.31	18.0 ±1.0	19.00	1.172

**WIFI Simultaneous Transmissions (DSI 4 Power) Scaling Factor calculation**

WIFI 2.4G 802.11b ANT 12	1/2412.0	14.51	14.0 ±1.0	15.00	1.119
	6/2437.0	14.40	14.0 ±1.0	15.00	1.148
	11/2462.0	14.06	13.5 ±1.0	14.50	1.107
WIFI 2.4G 802.11b ANT 13	1/2412.0	12.11	11.5 ±1.0	12.50	1.094
	6/2437.0	12.22	11.5 ±1.0	12.50	1.067
	11/2462.0	12.30	12.0 ±1.0	13.00	1.175
WIFI 2.4G 802.11n20 ANT 12+13	1/2412.0	14.93	14.5 ±1.0	15.50	1.140
	6/2437.0	15.17	14.5 ±1.0	15.50	1.079
	11/2462.0	15.03	14.5 ±1.0	15.50	1.114
Wi-Fi U-NII-1 802.11a ANT 11	36/5180.0	15.63	15.0 ±1.0	16.00	1.089
	44/5220.0	15.59	15.0 ±1.0	16.00	1.099
	48/5240.0	15.86	15.5 ±1.0	16.50	1.159
Wi-Fi U-NII-1 802.11a ANT 13	36/5180.0	13.11	12.5 ±1.0	13.50	1.094
	44/5220.0	12.88	12.5 ±1.0	13.50	1.153
	48/5240.0	12.70	12.0 ±1.0	13.00	1.072
Wi-Fi U-NII-1 802.11n20 ANT 11+13	36/5180.0	16.74	16.0 ±1.0	17.00	1.062
	44/5220.0	16.45	16.0 ±1.0	17.00	1.135
	48/5240.0	16.54	16.0 ±1.0	17.00	1.112
Wi-Fi U-NII-2a 802.11a ANT 11	52/5260.0	16.36	16.0 ±1.0	17.00	1.159
	60/5300.0	16.61	16.0 ±1.0	17.00	1.094
	64/5320.0	16.32	16.0 ±1.0	17.00	1.169
Wi-Fi U-NII-2a 802.11a ANT 13	52/5260.0	15.23	14.5 ±1.0	15.50	1.064
	60/5300.0	15.41	15.0 ±1.0	16.00	1.146
	64/5320.0	15.52	15.0 ±1.0	16.00	1.117
Wi-Fi U-NII-2a 802.11n20 ANT 11+13	52/5260.0	15.69	15.0 ±1.0	16.00	1.074
	60/5300.0	15.70	15.0 ±1.0	16.00	1.072
	64/5320.0	15.71	15.0 ±1.0	16.00	1.069
Wi-Fi U-NII-2c 802.11a ANT 11	100/5500.0	14.90	14.5 ±1.0	15.50	1.148
	120/5600.0	15.30	15.0 ±1.0	16.00	1.175
	140/5700.0	15.24	14.5 ±1.0	15.50	1.062
Wi-Fi U-NII-2c 802.11a ANT 13	100/5500.0	16.28	16.0 ±1.0	17.00	1.180
	120/5600.0	15.79	15.5 ±1.0	16.50	1.178
	140/5700.0	15.78	15.5 ±1.0	16.50	1.180



Wi-Fi U-NII-2c 802.11n20 ANT 11+13	100/5500.0	16.90	16.5 ± 1.0	17.50	1.148
	120/5600.0	16.80	16.5 ± 1.0	17.50	1.175
	140/5700.0	16.87	16.5 ± 1.0	17.50	1.156
Wi-Fi U-NII-3 802.11a ANT 11	149/5745.0	17.04	16.5 ± 1.0	17.50	1.112
	157/5785.0	16.97	16.5 ± 1.0	17.50	1.130
	165/5825.0	17.16	16.5 ± 1.0	17.50	1.081
Wi-Fi U-NII-3 802.11a ANT 13	149/5745.0	13.68	13.0 ± 1.0	14.00	1.076
	157/5785.0	13.71	13.0 ± 1.0	14.00	1.069
	165/5825.0	13.74	13.0 ± 1.0	14.00	1.062
Wi-Fi U-NII-3 802.11n20 ANT 11+13	149/5745.0	15.70	15.0 ± 1.0	16.00	1.072
	157/5785.0	16.17	15.5 ± 1.0	16.50	1.079
	165/5825.0	15.83	15.5 ± 1.0	16.50	1.167

Bluetooth GFSK ANT 12	0/2402.0	7.96	7.5 ± 1.0	8.50	1.132
	39/2441.0	9.32	9.0 ± 1.0	10.00	1.169
	78/2480.0	8.36	8.0 ± 1.0	9.00	1.159
Bluetooth GFSK ANT 13	0/2402.0	8.07	7.5 ± 1.0	8.50	1.104
	39/2441.0	8.64	8.0 ± 1.0	9.00	1.086
	78/2480.0	7.47	7.0 ± 1.0	8.00	1.130



11. Test Results

Results overview of GSM850

Head(0mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 1/Full power								
Right Cheek	189/836.4	Voice	0.058	0.39	1.084	0.063	1.6	/
Right Tilted	189/836.4	Voice	0.030	-0.97	1.084	0.033	1.6	/
Left Cheek	189/836.4	Voice	0.075	-0.62	1.084	0.081	1.6	/
Left Tilted	189/836.4	Voice	0.026	2.18	1.084	0.028	1.6	/
Left Cheek	128/824.2	Voice	0.084	-1.29	1.107	0.093	1.6	/
Left Cheek	251/848.8	Voice	0.060	-0.74	1.072	0.064	1.6	/
ANT 3/Full power								
Right Cheek	189/836.4	Voice	0.352	0.55	1.084	0.382	1.6	/
Right Tilted	189/836.4	Voice	0.093	-1.69	1.084	0.101	1.6	/
Left Cheek	189/836.4	Voice	0.390	2.10	1.084	0.423	1.6	/
Left Tilted	189/836.4	Voice	0.116	0.59	1.084	0.126	1.6	/
Left Cheek	128/824.2	Voice	0.421	-2.07	1.081	0.455	1.6	1
Left Cheek	251/848.8	Voice	0.415	1.33	1.096	0.455	1.6	/
Body & Hotspot (10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 1/Unfold/Full power								
Front Upward	189/836.4	GPRS_4Tx	0.098	-1.40	1.135	0.111	1.6	/
Back Upward	189/836.4	GPRS_4Tx	0.076	-0.97	1.135	0.086	1.6	/
Left	189/836.4	GPRS_4Tx	0.034	0.55	1.135	0.039	1.6	/
Bottom	189/836.4	GPRS_4Tx	0.051	2.12	1.135	0.058	1.6	/
Front Upward	128/824.2	GPRS_4Tx	0.114	-1.09	1.148	0.131	1.6	/
Front Upward	251/848.8	GPRS_4Tx	0.086	-0.76	1.096	0.094	1.6	/
ANT 1/Fold/Full power								
Front Upward	189/836.4	GPRS_4Tx	0.029	1.93	1.135	0.033	1.6	/
Back Upward	189/836.4	GPRS_4Tx	0.038	0.58	1.135	0.043	1.6	/
Left	189/836.4	GPRS_4Tx	0.044	-0.29	1.135	0.050	1.6	/
Bottom	189/836.4	GPRS_4Tx	0.061	-1.30	1.135	0.069	1.6	/



Left	128/824.2	GPRS_4Tx	0.087	0.24	1.148	0.100	1.6	/
Left	251/848.8	GPRS_4Tx	0.053	0.95	1.096	0.058	1.6	/
ANT 3/Unfold/Full power								
Front Upward	189/836.4	GPRS_4Tx	0.272	1.40	1.094	0.298	1.6	/
Back Upward	189/836.4	GPRS_4Tx	0.189	0.63	1.094	0.207	1.6	/
Right	189/836.4	GPRS_4Tx	0.347	0.91	1.094	0.380	1.6	/
Top	189/836.4	GPRS_4Tx	0.027	-0.84	1.094	0.030	1.6	/
Right	128/824.2	GPRS_4Tx	0.302	0.56	1.138	0.344	1.6	/
Right	251/848.8	GPRS_4Tx	0.356	-1.72	1.186	0.422	1.6	2
ANT 3/Fold/Full power								
Front Upward	189/836.4	GPRS_4Tx	0.216	0.82	1.094	0.236	1.6	/
Back Upward	189/836.4	GPRS_4Tx	0.164	-0.66	1.094	0.179	1.6	/
Right	189/836.4	GPRS_4Tx	0.289	2.17	1.094	0.316	1.6	/
Bottom	189/836.4	GPRS_4Tx	0.083	1.11	1.094	0.091	1.6	/
Right	128/824.2	GPRS_4Tx	0.238	0.47	1.138	0.271	1.6	/
Right	251/848.8	GPRS_4Tx	0.246	-0.33	1.186	0.292	1.6	/



Results overview of GSM1900

Head(0mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 2/Full power								
Right Cheek	661/1880.0	Voice	0.022	-2.10	1.109	0.024	1.6	/
Right Tilted	661/1880.0	Voice	0.008	1.40	1.109	0.009	1.6	/
Left Cheek	661/1880.0	Voice	0.016	0.76	1.109	0.018	1.6	/
Left Tilted	661/1880.0	Voice	0.007	-0.61	1.109	0.008	1.6	/
Right Cheek	512/1850.2	Voice	0.019	-1.23	1.178	0.022	1.6	/
Right Cheek	810/1909.8	Voice	0.025	-0.82	1.130	0.028	1.6	/
ANT 6/DSI 1 power								
Right Cheek	661/1880.0	Voice	0.556	-0.31	1.096	0.609	1.6	/
Right Tilted	661/1880.0	Voice	0.667	1.64	1.096	0.731	1.6	/
Left Cheek	661/1880.0	Voice	0.509	0.78	1.096	0.558	1.6	/
Left Tilted	661/1880.0	Voice	0.604	-1.27	1.096	0.662	1.6	/
Right Tilted	512/1850.2	Voice	0.620	-2.05	1.104	0.684	1.6	/
Right Tilted	810/1909.8	Voice	0.698	0.26	1.094	0.764	1.6	3
Body & Hotspot (10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 2/Unfold/Full power								
Front Upward	661/1880.0	GPRS_4Tx	0.114	2.02	1.132	0.129	1.6	/
Back Upward	661/1880.0	GPRS_4Tx	0.106	-1.01	1.132	0.120	1.6	/
Right	661/1880.0	GPRS_4Tx	0.048	-0.13	1.132	0.054	1.6	/
Bottom	661/1880.0	GPRS_4Tx	0.120	0.84	1.132	0.136	1.6	/
Bottom	512/1850.2	GPRS_4Tx	0.161	1.95	1.148	0.185	1.6	/
Bottom	810/1909.8	GPRS_4Tx	0.095	-0.56	1.161	0.110	1.6	/
ANT 2/Fold/Full power								
Front Upward	661/1880.0	GPRS_4Tx	0.019	0.51	1.132	0.022	1.6	/
Back Upward	661/1880.0	GPRS_4Tx	0.029	1.34	1.132	0.033	1.6	/
Right	661/1880.0	GPRS_4Tx	0.024	-0.53	1.132	0.027	1.6	/
Bottom	661/1880.0	GPRS_4Tx	0.041	-1.76	1.132	0.046	1.6	/
Bottom	512/1850.2	GPRS_4Tx	0.058	-1.14	1.148	0.067	1.6	/
Bottom	810/1909.8	GPRS_4Tx	0.022	1.30	1.161	0.026	1.6	/



ANT 6/Unfold/Full power								
Front Upward	661/1880.0	GPRS_4Tx	0.423	-1.41	1.135	0.480	1.6	/
Back Upward	661/1880.0	GPRS_4Tx	0.392	0.13	1.135	0.445	1.6	/
Left	661/1880.0	GPRS_4Tx	0.147	-1.79	1.135	0.167	1.6	/
Top	661/1880.0	GPRS_4Tx	0.536	0.89	1.135	0.608	1.6	/
Top	512/1850.2	GPRS_4Tx	0.540	0.51	1.159	0.626	1.6	4
Top	810/1909.8	GPRS_4Tx	0.527	0.14	1.122	0.591	1.6	/
ANT 6/Fold/Full power								
Front Upward	661/1880.0	GPRS_4Tx	0.055	1.65	1.135	0.062	1.6	/
Back Upward	661/1880.0	GPRS_4Tx	0.056	1.79	1.135	0.064	1.6	/
Left	661/1880.0	GPRS_4Tx	0.026	-1.46	1.135	0.030	1.6	/
Bottom	661/1880.0	GPRS_4Tx	0.232	1.57	1.135	0.263	1.6	/
Bottom	512/1850.2	GPRS_4Tx	0.242	-0.73	1.159	0.280	1.6	/
Bottom	810/1909.8	GPRS_4Tx	0.220	-1.44	1.122	0.247	1.6	/



Results overview of CDMA BC 0

Head(0mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 1/Full power								
Right Cheek	384/836.52	RC3+SO55	0.061	0.88	1.079	0.066	1.6	/
Right Tilted	384/836.52	RC3+SO55	0.024	-2.29	1.079	0.026	1.6	/
Left Cheek	384/836.52	RC3+SO55	0.095	1.05	1.079	0.103	1.6	/
Left Tilted	384/836.52	RC3+SO55	0.038	0.71	1.079	0.041	1.6	/
Left Cheek	1013/826.7	RC3+SO55	0.106	-1.32	1.062	0.113	1.6	/
Left Cheek	777/848.31	RC3+SO55	0.092	-0.19	1.067	0.098	1.6	/
ANT 3/DSI 1 power								
Right Cheek	384/836.52	RC3+SO55	0.524	-2.01	1.143	0.599	1.6	/
Right Tilted	384/836.52	RC3+SO55	0.126	1.47	1.143	0.144	1.6	/
Left Cheek	384/836.52	RC3+SO55	0.624	0.56	1.143	0.713	1.6	/
Left Tilted	384/836.52	RC3+SO55	0.155	-0.21	1.143	0.177	1.6	/
Left Cheek	1013/826.7	RC3+SO55	0.591	0.18	1.109	0.655	1.6	/
Left Cheek	777/848.31	RC3+SO55	0.682	-1.73	1.107	0.755	1.6	5
Body & Hotspot (10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 1/Unfold/Full power								
Front Upward	384/836.52	RC3+SO55	0.134	0.30	1.079	0.145	1.6	/
Back Upward	384/836.52	RC3+SO55	0.120	-0.14	1.079	0.129	1.6	/
Left	384/836.52	RC3+SO55	0.095	1.07	1.079	0.103	1.6	/
Bottom	384/836.52	RC3+SO55	0.112	-0.42	1.079	0.121	1.6	/
Front Upward	1013/826.7	RC3+SO55	0.125	-2.01	1.062	0.133	1.6	/
Front Upward	777/848.31	RC3+SO55	0.139	-1.74	1.067	0.148	1.6	/
ANT 1/Fold/Full power								
Front Upward	384/836.52	RC3+SO55	0.050	-1.78	1.079	0.054	1.6	/
Back Upward	384/836.52	RC3+SO55	0.099	-0.40	1.079	0.107	1.6	/
Left	384/836.52	RC3+SO55	0.113	1.21	1.079	0.122	1.6	/
Bottom	384/836.52	RC3+SO55	0.074	-0.17	1.079	0.080	1.6	/
Left	1013/826.7	RC3+SO55	0.102	-1.64	1.062	0.108	1.6	/



Left	777/848.31	RC3+SO55	0.116	-0.17	1.067	0.124	1.6	/
ANT 3/Unfold/Full power								
Front Upward	384/836.52	RC3+SO55	0.342	-0.23	1.130	0.386	1.6	/
Back Upward	384/836.52	RC3+SO55	0.233	0.10	1.130	0.263	1.6	/
Right	384/836.52	RC3+SO55	0.428	-0.59	1.130	0.484	1.6	/
Top	384/836.52	RC3+SO55	0.034	0.34	1.130	0.038	1.6	/
Right	1013/826.7	RC3+SO55	0.421	2.09	1.119	0.471	1.6	/
Right	777/848.31	RC3+SO55	0.453	0.72	1.091	0.494	1.6	6
ANT 3/Fold/Full power								
Front Upward	384/836.52	RC3+SO55	0.203	1.64	1.130	0.229	1.6	/
Back Upward	384/836.52	RC3+SO55	0.172	-0.22	1.130	0.194	1.6	/
Right	384/836.52	RC3+SO55	0.304	0.71	1.130	0.344	1.6	/
Bottom	384/836.52	RC3+SO55	0.088	-2.40	1.130	0.099	1.6	/
Right	1013/826.7	RC3+SO55	0.268	1.05	1.119	0.300	1.6	/
Right	777/848.31	RC3+SO55	0.297	-1.59	1.091	0.324	1.6	/



Results overview of WCDMA850

Head(0mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 1/Full power								
Right Cheek	4183/836.6	RMC	0.051	-2.15	1.117	0.057	1.6	/
Right Tilted	4183/836.6	RMC	0.027	0.98	1.117	0.030	1.6	/
Left Cheek	4183/836.6	RMC	0.066	-1.09	1.117	0.074	1.6	/
Left Tilted	4183/836.6	RMC	0.033	1.13	1.117	0.037	1.6	/
Left Cheek	4132/826.4	RMC	0.074	0.66	1.119	0.083	1.6	/
Left Cheek	4233/846.6	RMC	0.054	-1.29	1.125	0.061	1.6	/
ANT 3/DSI 1 power								
Right Cheek	4183/836.6	RMC	0.417	-1.70	1.094	0.456	1.6	/
Right Tilted	4183/836.6	RMC	0.100	-0.29	1.094	0.109	1.6	/
Left Cheek	4183/836.6	RMC	0.485	0.90	1.094	0.531	1.6	/
Left Tilted	4183/836.6	RMC	0.123	-2.16	1.094	0.135	1.6	/
Left Cheek	4132/826.4	RMC	0.527	-0.50	1.081	0.570	1.6	/
Left Cheek	4233/846.6	RMC	0.548	-1.45	1.112	0.609	1.6	7
Body & Hotspot (10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 1/Unfold/Full power								
Front Upward	4183/836.6	RMC	0.072	-1.61	1.117	0.080	1.6	/
Back Upward	4183/836.6	RMC	0.049	0.52	1.117	0.055	1.6	/
Left	4183/836.6	RMC	0.032	-0.97	1.117	0.036	1.6	/
Bottom	4183/836.6	RMC	0.044	-0.70	1.117	0.049	1.6	/
Front Upward	4132/826.4	RMC	0.114	1.10	1.119	0.128	1.6	/
Front Upward	4233/846.6	RMC	0.064	-2.04	1.125	0.072	1.6	/
ANT 1/Fold/Full power								
Front Upward	4183/836.6	RMC	0.031	-2.25	1.117	0.035	1.6	/
Back Upward	4183/836.6	RMC	0.047	-0.97	1.117	0.052	1.6	/
Left	4183/836.6	RMC	0.076	0.28	1.117	0.085	1.6	/
Bottom	4183/836.6	RMC	0.066	-2.15	1.117	0.074	1.6	/
Left	4132/826.4	RMC	0.084	-1.63	1.119	0.094	1.6	/
Left	4233/846.6	RMC	0.058	1.04	1.125	0.065	1.6	/



ANT 3/Unfold/Full power								
Front Upward	4183/836.6	RMC	0.453	-1.22	1.059	0.480	1.6	/
Back Upward	4183/836.6	RMC	0.312	-0.19	1.059	0.330	1.6	/
Right	4183/836.6	RMC	0.573	-0.77	1.059	0.607	1.6	/
Top	4183/836.6	RMC	0.045	0.50	1.059	0.048	1.6	/
Right	4132/826.4	RMC	0.597	1.80	1.081	0.645	1.6	8
Right	4233/846.6	RMC	0.498	-0.78	1.074	0.535	1.6	/
ANT 3/Fold/Full power								
Front Upward	4183/836.6	RMC	0.325	0.64	1.059	0.344	1.6	/
Back Upward	4183/836.6	RMC	0.277	-1.80	1.059	0.293	1.6	/
Right	4183/836.6	RMC	0.483	0.19	1.059	0.511	1.6	/
Bottom	4183/836.6	RMC	0.139	-0.20	1.059	0.147	1.6	/
Right	4132/826.4	RMC	0.441	0.43	1.081	0.477	1.6	/
Right	4233/846.6	RMC	0.410	1.10	1.074	0.440	1.6	/



Results overview of WCDMA1700

Head(0mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 2/Full power								
Right Cheek	1413/1732.6	RMC	0.033	-1.12	1.161	0.038	1.6	/
Right Tilted	1413/1732.6	RMC	0.012	2.20	1.161	0.014	1.6	/
Left Cheek	1413/1732.6	RMC	0.025	-1.01	1.161	0.029	1.6	/
Left Tilted	1413/1732.6	RMC	0.010	1.42	1.161	0.012	1.6	/
Right Cheek	1312/1712.4	RMC	0.029	0.54	1.164	0.034	1.6	/
Right Cheek	1513/1752.6	RMC	0.031	1.70	1.140	0.035	1.6	/
ANT 6/DSI 1 power								
Right Cheek	1413/1732.6	RMC	0.578	1.31	1.186	0.686	1.6	/
Right Tilted	1413/1732.6	RMC	0.752	-0.52	1.186	0.892	1.6	/
Left Cheek	1413/1732.6	RMC	0.505	0.43	1.186	0.599	1.6	/
Left Tilted	1413/1732.6	RMC	0.667	2.20	1.186	0.791	1.6	/
Right Tilted	1312/1712.4	RMC	0.714	0.25	1.094	0.781	1.6	9
Right Tilted	1513/1752.6	RMC	0.685	-1.58	1.076	0.737	1.6	/
Body & Hotspot (10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 2/Unfold/Full power								
Front Upward	1413/1732.6	RMC	0.249	0.61	1.161	0.289	1.6	/
Back Upward	1413/1732.6	RMC	0.234	2.21	1.161	0.272	1.6	/
Right	1413/1732.6	RMC	0.106	-1.17	1.161	0.123	1.6	/
Bottom	1413/1732.6	RMC	0.292	-0.10	1.161	0.339	1.6	/
Bottom	1312/1712.4	RMC	0.317	-1.64	1.164	0.369	1.6	/
Bottom	1513/1752.6	RMC	0.324	0.23	1.140	0.369	1.6	/
ANT 2/Fold/Full power								
Front Upward	1413/1732.6	RMC	0.047	-0.53	1.161	0.055	1.6	/
Back Upward	1413/1732.6	RMC	0.071	-0.41	1.161	0.082	1.6	/
Right	1413/1732.6	RMC	0.058	1.03	1.161	0.067	1.6	/
Bottom	1413/1732.6	RMC	0.101	-1.77	1.161	0.117	1.6	/
Bottom	1312/1712.4	RMC	0.095	1.43	1.164	0.111	1.6	/
Bottom	1513/1752.6	RMC	0.092	2.06	1.140	0.105	1.6	/



ANT 6/Unfold/Full power								
Front Upward	1413/1732.6	RMC	0.501	-3.13	1.161	0.582	1.6	/
Back Upward	1413/1732.6	RMC	0.454	1.41	1.161	0.527	1.6	/
Left	1413/1732.6	RMC	0.174	-2.11	1.161	0.202	1.6	/
Top	1413/1732.6	RMC	0.624	-1.72	1.161	0.724	1.6	/
Top	1312/1712.4	RMC	0.616	-0.49	1.164	0.717	1.6	/
Top	1513/1752.6	RMC	0.659	2.24	1.153	0.760	1.6	10
ANT 6/Fold/Full power								
Front Upward	1413/1732.6	RMC	0.126	0.44	1.161	0.146	1.6	/
Back Upward	1413/1732.6	RMC	0.129	-0.97	1.161	0.150	1.6	/
Left	1413/1732.6	RMC	0.061	1.10	1.161	0.071	1.6	/
Bottom	1413/1732.6	RMC	0.512	-1.25	1.161	0.594	1.6	/
Bottom	1312/1712.4	RMC	0.482	-0.52	1.164	0.561	1.6	/
Bottom	1513/1752.6	RMC	0.504	-0.80	1.153	0.581	1.6	/



Results overview of WCDMA1900

Head(0mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 2/Full power								
Right Cheek	9400/1880.0	RMC	0.034	1.13	1.130	0.038	1.6	/
Right Tilted	9400/1880.0	RMC	0.012	-0.92	1.130	0.014	1.6	/
Left Cheek	9400/1880.0	RMC	0.025	0.20	1.130	0.028	1.6	/
Left Tilted	9400/1880.0	RMC	0.010	1.46	1.130	0.011	1.6	/
Right Cheek	9262/1852.4	RMC	0.030	-0.39	1.135	0.034	1.6	/
Right Cheek	9538/1907.6	RMC	0.032	0.52	1.099	0.035	1.6	/
ANT 6/DSI 1 power								
Right Cheek	9400/1880.0	RMC	0.465	0.86	1.076	0.500	1.6	/
Right Tilted	9400/1880.0	RMC	0.584	2.65	1.076	0.628	1.6	/
Left Cheek	9400/1880.0	RMC	0.421	-0.58	1.076	0.453	1.6	/
Left Tilted	9400/1880.0	RMC	0.523	-3.20	1.076	0.563	1.6	/
Right Tilted	9262/1852.4	RMC	0.556	-2.19	1.091	0.607	1.6	/
Right Tilted	9538/1907.6	RMC	0.658	1.37	1.099	0.723	1.6	11
Body & Hotspot (10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 2/Unfold/Full power								
Front Upward	9400/1880.0	RMC	0.229	-2.13	1.130	0.259	1.6	/
Back Upward	9400/1880.0	RMC	0.217	0.45	1.130	0.245	1.6	/
Right	9400/1880.0	RMC	0.098	1.38	1.130	0.111	1.6	/
Bottom	9400/1880.0	RMC	0.244	-0.72	1.130	0.276	1.6	/
Bottom	9262/1852.4	RMC	0.191	-2.26	1.135	0.217	1.6	/
Bottom	9538/1907.6	RMC	0.153	1.45	1.099	0.168	1.6	/
ANT 2/Fold/Full power								
Front Upward	9400/1880.0	RMC	0.026	0.80	1.130	0.029	1.6	/
Back Upward	9400/1880.0	RMC	0.039	1.12	1.130	0.044	1.6	/
Right	9400/1880.0	RMC	0.032	-0.47	1.130	0.036	1.6	/
Bottom	9400/1880.0	RMC	0.056	-0.96	1.130	0.063	1.6	/
Bottom	9262/1852.4	RMC	0.062	-2.28	1.135	0.070	1.6	/
Bottom	9538/1907.6	RMC	0.049	-0.71	1.099	0.054	1.6	/



ANT 6/Unfold/Full power								
Front Upward	9400/1880.0	RMC	0.328	-1.57	1.130	0.371	1.6	/
Back Upward	9400/1880.0	RMC	0.301	0.86	1.130	0.340	1.6	/
Left	9400/1880.0	RMC	0.115	0.60	1.130	0.130	1.6	/
Top	9400/1880.0	RMC	0.420	-1.04	1.130	0.475	1.6	12
Top	9262/1852.4	RMC	0.391	-0.22	1.146	0.448	1.6	/
Top	9538/1907.6	RMC	0.404	-0.50	1.138	0.460	1.6	/
ANT 6/Fold/Full power								
Front Upward	9400/1880.0	RMC	0.094	1.01	1.130	0.106	1.6	/
Back Upward	9400/1880.0	RMC	0.096	-2.01	1.130	0.108	1.6	/
Left	9400/1880.0	RMC	0.045	0.94	1.130	0.051	1.6	/
Bottom	9400/1880.0	RMC	0.337	0.80	1.130	0.381	1.6	/
Bottom	9262/1852.4	RMC	0.353	-1.76	1.146	0.405	1.6	/
Bottom	9538/1907.6	RMC	0.346	0.25	1.138	0.394	1.6	/



Results overview of FDD LTE Band 2, QPSK, 20MHz Bandwidth

Head(0mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 2/1RB#0/Full power								
Right Cheek	18900/1880.0	QPSK	0.067	2.05	1.114	0.075	1.6	/
Right Tilted	18900/1880.0	QPSK	0.023	0.96	1.114	0.026	1.6	/
Left Cheek	18900/1880.0	QPSK	0.048	-2.17	1.114	0.053	1.6	/
Left Tilted	18900/1880.0	QPSK	0.020	-1.55	1.114	0.022	1.6	/
Right Cheek	18700/1860.0	QPSK	0.060	-0.63	1.127	0.068	1.6	/
Right Cheek	19100/1900.0	QPSK	0.058	0.20	1.143	0.066	1.6	/
ANT 2/50%RB#0/Full power								
Right Cheek	18900/1880.0	QPSK	0.051	-1.54	1.143	0.058	1.6	/
Right Tilted	18900/1880.0	QPSK	0.018	1.06	1.143	0.021	1.6	/
Left Cheek	18900/1880.0	QPSK	0.037	-2.69	1.143	0.042	1.6	/
Left Tilted	18900/1880.0	QPSK	0.015	0.95	1.143	0.017	1.6	/
ANT 6/1RB#0/DSI 1 power								
Right Cheek	18900/1880.0	QPSK	0.446	0.32	1.143	0.510	1.6	/
Right Tilted	18900/1880.0	QPSK	0.633	3.07	1.143	0.724	1.6	/
Left Cheek	18900/1880.0	QPSK	0.402	-2.09	1.143	0.459	1.6	/
Left Tilted	18900/1880.0	QPSK	0.590	-1.50	1.143	0.674	1.6	/
Right Tilted	18700/1860.0	QPSK	0.588	0.85	1.172	0.689	1.6	/
Right Tilted	19100/1900.0	QPSK	0.661	-1.38	1.125	0.744	1.6	13
ANT 6/50%RB#0/DSI 1 power								
Right Cheek	18900/1880.0	QPSK	0.321	-2.71	1.091	0.350	1.6	/
Right Tilted	18900/1880.0	QPSK	0.483	-0.90	1.091	0.527	1.6	/
Left Cheek	18900/1880.0	QPSK	0.302	0.43	1.091	0.329	1.6	/
Left Tilted	18900/1880.0	QPSK	0.445	1.39	1.091	0.485	1.6	/
Body & Hotspot (10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 2/Unfold/1RB#0/Full power								
Front Upward	18900/1880.0	QPSK	0.166	0.64	1.114	0.185	1.6	/
Back Upward	18900/1880.0	QPSK	0.157	1.19	1.114	0.175	1.6	/
Right	18900/1880.0	QPSK	0.069	0.30	1.114	0.077	1.6	/



Bottom	18900/1880.0	QPSK	0.174	-0.37	1.114	0.194	1.6	/
Bottom	18700/1860.0	QPSK	0.265	-0.98	1.127	0.299	1.6	/
Bottom	19100/1900.0	QPSK	0.191	-1.21	1.143	0.218	1.6	/
ANT 2/Unfold/50%RB#0/Full power								
Front Upward	18900/1880.0	QPSK	0.125	-0.40	1.143	0.143	1.6	/
Back Upward	18900/1880.0	QPSK	0.119	1.29	1.143	0.136	1.6	/
Right	18900/1880.0	QPSK	0.053	-0.93	1.143	0.061	1.6	/
Bottom	18900/1880.0	QPSK	0.131	1.05	1.143	0.150	1.6	/
ANT 2/Fold/1RB#0/Full power								
Front Upward	18900/1880.0	QPSK	0.027	0.35	1.114	0.030	1.6	/
Back Upward	18900/1880.0	QPSK	0.042	0.67	1.114	0.047	1.6	/
Right	18900/1880.0	QPSK	0.032	-2.21	1.114	0.036	1.6	/
Bottom	18900/1880.0	QPSK	0.058	-1.54	1.114	0.065	1.6	/
Bottom	18700/1860.0	QPSK	0.070	0.97	1.127	0.079	1.6	/
Bottom	19100/1900.0	QPSK	0.055	0.23	1.143	0.063	1.6	/
ANT 2/Fold/50%RB#0/Full power								
Front Upward	18900/1880.0	QPSK	0.020	1.50	1.143	0.023	1.6	/
Back Upward	18900/1880.0	QPSK	0.031	-2.43	1.143	0.035	1.6	/
Right	18900/1880.0	QPSK	0.024	-1.35	1.143	0.027	1.6	/
Bottom	18900/1880.0	QPSK	0.044	-0.71	1.143	0.050	1.6	/
ANT 6/Unfold/1RB#0/Full power								
Front Upward	18900/1880.0	QPSK	0.264	-0.63	1.178	0.311	1.6	/
Back Upward	18900/1880.0	QPSK	0.243	-2.23	1.178	0.286	1.6	/
Left	18900/1880.0	QPSK	0.094	0.41	1.178	0.111	1.6	/
Top	18900/1880.0	QPSK	0.343	-2.39	1.178	0.404	1.6	/
Top	18700/1860.0	QPSK	0.430	0.72	1.169	0.503	1.6	14
Top	19100/1900.0	QPSK	0.273	-1.31	1.153	0.315	1.6	/
ANT 6/Unfold/50%RB#0/Full power								
Front Upward	18900/1880.0	QPSK	0.201	1.44	1.064	0.214	1.6	/
Back Upward	18900/1880.0	QPSK	0.185	-2.23	1.064	0.197	1.6	/
Left	18900/1880.0	QPSK	0.071	1.05	1.064	0.076	1.6	/
Top	18900/1880.0	QPSK	0.260	-0.57	1.064	0.277	1.6	/
ANT 6/Fold/1RB#0/Full power								
Front Upward	18900/1880.0	QPSK	0.071	-0.88	1.178	0.084	1.6	/



Back Upward	18900/1880.0	QPSK	0.066	1.04	1.178	0.078	1.6	/
Left	18900/1880.0	QPSK	0.038	-2.17	1.178	0.045	1.6	/
Bottom	18900/1880.0	QPSK	0.304	1.51	1.178	0.358	1.6	/
Bottom	18700/1860.0	QPSK	0.334	0.36	1.169	0.390	1.6	/
Bottom	19100/1900.0	QPSK	0.226	-0.72	1.153	0.261	1.6	/
ANT 6/Fold/50%RB#0/Full power								
Front Upward	18900/1880.0	QPSK	0.054	-1.40	1.064	0.057	1.6	/
Back Upward	18900/1880.0	QPSK	0.049	2.23	1.064	0.052	1.6	/
Left	18900/1880.0	QPSK	0.029	0.94	1.064	0.031	1.6	/
Bottom	18900/1880.0	QPSK	0.145	-0.62	1.064	0.154	1.6	/



Results overview of FDD LTE Band 4, QPSK, 20MHz Bandwidth

Head(0mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 2/1RB#0/Full power								
Right Cheek	20175/1732.5	QPSK	0.086	1.73	1.107	0.095	1.6	/
Right Tilted	20175/1732.5	QPSK	0.029	-1.30	1.107	0.032	1.6	/
Left Cheek	20175/1732.5	QPSK	0.061	-0.52	1.107	0.068	1.6	/
Left Tilted	20175/1732.5	QPSK	0.026	1.13	1.107	0.029	1.6	/
Right Cheek	20050/1720.0	QPSK	0.077	0.01	1.112	0.086	1.6	/
Right Cheek	20300/1745.0	QPSK	0.075	-1.71	1.072	0.080	1.6	/
ANT 2/50%RB#0/Full power								
Right Cheek	20175/1732.5	QPSK	0.065	0.76	1.096	0.071	1.6	/
Right Tilted	20175/1732.5	QPSK	0.022	-1.49	1.096	0.024	1.6	/
Left Cheek	20175/1732.5	QPSK	0.046	-1.64	1.096	0.050	1.6	/
Left Tilted	20175/1732.5	QPSK	0.020	0.01	1.096	0.022	1.6	/
ANT 6/1RB#0/DSI 1 power								
Right Cheek	20175/1732.5	QPSK	0.526	1.47	1.109	0.583	1.6	/
Right Tilted	20175/1732.5	QPSK	0.705	-0.19	1.109	0.782	1.6	15
Left Cheek	20175/1732.5	QPSK	0.505	1.55	1.109	0.560	1.6	/
Left Tilted	20175/1732.5	QPSK	0.651	-2.71	1.109	0.722	1.6	/
Right Tilted	20050/1720.0	QPSK	0.677	-0.37	1.167	0.790	1.6	/
Right Tilted	20300/1745.0	QPSK	0.670	-0.64	1.146	0.768	1.6	/
ANT 6/50%RB#0/DSI 1 power								
Right Cheek	20175/1732.5	QPSK	0.400	-2.07	1.161	0.464	1.6	/
Right Tilted	20175/1732.5	QPSK	0.536	-1.39	1.161	0.622	1.6	/
Left Cheek	20175/1732.5	QPSK	0.385	0.18	1.161	0.447	1.6	/
Left Tilted	20175/1732.5	QPSK	0.498	-1.75	1.161	0.578	1.6	/
Body & Hotspot (10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 2/Unfold/1RB#0/Full power								
Front Upward	20175/1732.5	QPSK	0.297	-0.49	1.107	0.329	1.6	/
Back Upward	20175/1732.5	QPSK	0.281	-2.34	1.107	0.311	1.6	/
Right	20175/1732.5	QPSK	0.122	0.20	1.107	0.135	1.6	/



Bottom	20175/1732.5	QPSK	0.371	-2.02	1.107	0.411	1.6	/
Bottom	20050/1720.0	QPSK	0.353	1.04	1.112	0.393	1.6	/
Bottom	20300/1745.0	QPSK	0.410	0.80	1.072	0.440	1.6	/
ANT 2/Unfold/50%RB#0/Full power								
Front Upward	20175/1732.5	QPSK	0.226	-1.43	1.096	0.248	1.6	/
Back Upward	20175/1732.5	QPSK	0.217	-2.36	1.096	0.238	1.6	/
Right	20175/1732.5	QPSK	0.094	-0.75	1.096	0.103	1.6	/
Bottom	20175/1732.5	QPSK	0.284	1.79	1.096	0.311	1.6	/
ANT 2/Fold/1RB#0/Full power								
Front Upward	20175/1732.5	QPSK	0.072	1.14	1.107	0.080	1.6	/
Back Upward	20175/1732.5	QPSK	0.112	-0.68	1.107	0.124	1.6	/
Right	20175/1732.5	QPSK	0.086	2.53	1.107	0.095	1.6	/
Bottom	20175/1732.5	QPSK	0.155	-1.47	1.107	0.172	1.6	/
Bottom	20050/1720.0	QPSK	0.125	0.35	1.112	0.139	1.6	/
Bottom	20300/1745.0	QPSK	0.109	2.29	1.072	0.117	1.6	/
ANT 2/Fold/50%RB#0/Full power								
Front Upward	20175/1732.5	QPSK	0.055	2.07	1.096	0.060	1.6	/
Back Upward	20175/1732.5	QPSK	0.089	0.30	1.096	0.098	1.6	/
Right	20175/1732.5	QPSK	0.066	0.82	1.096	0.072	1.6	/
Bottom	20175/1732.5	QPSK	0.120	-1.74	1.096	0.132	1.6	/
ANT 6/Unfold/1RB#0/Full power								
Front Upward	20175/1732.5	QPSK	0.522	-2.24	1.161	0.606	1.6	/
Back Upward	20175/1732.5	QPSK	0.495	0.23	1.161	0.575	1.6	/
Left	20175/1732.5	QPSK	0.187	1.28	1.161	0.217	1.6	/
Top	20175/1732.5	QPSK	0.603	-0.46	1.161	0.700	1.6	/
Top	20050/1720.0	QPSK	0.653	-0.52	1.180	0.771	1.6	16
Top	20300/1745.0	QPSK	0.637	1.35	1.146	0.730	1.6	/
ANT 6/Unfold/50%RB#0/Full power								
Front Upward	20175/1732.5	QPSK	0.397	0.14	1.156	0.459	1.6	/
Back Upward	20175/1732.5	QPSK	0.375	-0.84	1.156	0.434	1.6	/
Left	20175/1732.5	QPSK	0.143	-2.61	1.156	0.165	1.6	/
Top	20175/1732.5	QPSK	0.492	1.30	1.156	0.569	1.6	/
ANT 6/Fold/1RB#0/Full power								



Front Upward	20175/1732.5	QPSK	0.080	1.35	1.161	0.093	1.6	/
Back Upward	20175/1732.5	QPSK	0.073	0.84	1.161	0.085	1.6	/
Left	20175/1732.5	QPSK	0.043	0.15	1.161	0.050	1.6	/
Bottom	20175/1732.5	QPSK	0.307	-0.67	1.161	0.356	1.6	/
Bottom	20050/1720.0	QPSK	0.314	1.01	1.180	0.371	1.6	/
Bottom	20300/1745.0	QPSK	0.275	0.89	1.146	0.315	1.6	/
ANT 6/Fold/50%RB#0/Full power								
Front Upward	20175/1732.5	QPSK	0.061	1.34	1.156	0.071	1.6	/
Back Upward	20175/1732.5	QPSK	0.056	-2.66	1.156	0.065	1.6	/
Left	20175/1732.5	QPSK	0.033	-1.17	1.156	0.038	1.6	/
Bottom	20175/1732.5	QPSK	0.237	0.15	1.156	0.274	1.6	/



Results overview of FDD LTE Band 5, QPSK, 10MHz Bandwidth

Head(0mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 1/1RB#0/Full power								
Right Cheek	20525/836.5	QPSK	0.056	-0.27	1.119	0.063	1.6	/
Right Tilted	20525/836.5	QPSK	0.022	-1.41	1.119	0.025	1.6	/
Left Cheek	20525/836.5	QPSK	0.098	2.09	1.119	0.110	1.6	/
Left Tilted	20525/836.5	QPSK	0.035	-1.21	1.119	0.039	1.6	/
Left Cheek	20450/829.0	QPSK	0.076	-0.89	1.114	0.085	1.6	/
Left Cheek	20600/844.0	QPSK	0.080	1.13	1.117	0.089	1.6	/
ANT 1/50%RB#0/Full power								
Right Cheek	20525/836.5	QPSK	0.043	1.69	1.119	0.048	1.6	/
Right Tilted	20525/836.5	QPSK	0.017	-3.09	1.119	0.019	1.6	/
Left Cheek	20525/836.5	QPSK	0.074	-1.54	1.119	0.083	1.6	/
Left Tilted	20525/836.5	QPSK	0.027	-0.72	1.119	0.030	1.6	/
ANT 3/1RB#0/DSI 1 power								
Right Cheek	20525/836.5	QPSK	0.544	2.29	1.140	0.620	1.6	/
Right Tilted	20525/836.5	QPSK	0.132	0.52	1.140	0.150	1.6	/
Left Cheek	20525/836.5	QPSK	0.613	2.01	1.140	0.699	1.6	/
Left Tilted	20525/836.5	QPSK	0.168	1.52	1.140	0.192	1.6	/
Left Cheek	20450/829.0	QPSK	0.553	-0.77	1.112	0.615	1.6	/
Left Cheek	20600/844.0	QPSK	0.644	-1.37	1.161	0.748	1.6	17
ANT 3/50%RB#0/DSI 1 power								
Right Cheek	20525/836.5	QPSK	0.413	-1.32	1.135	0.469	1.6	/
Right Tilted	20525/836.5	QPSK	0.100	-2.06	1.135	0.114	1.6	/
Left Cheek	20525/836.5	QPSK	0.463	0.83	1.135	0.526	1.6	/
Left Tilted	20525/836.5	QPSK	0.127	1.15	1.135	0.144	1.6	/
Body & Hotspot (10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 1/Unfold/1RB#0/Full power								
Front Upward	20525/836.5	QPSK	0.108	-2.11	1.119	0.121	1.6	/
Back Upward	20525/836.5	QPSK	0.096	-0.60	1.119	0.107	1.6	/
Left	20525/836.5	QPSK	0.074	2.25	1.119	0.083	1.6	/



Bottom	20525/836.5	QPSK	0.086	1.54	1.119	0.096	1.6	/
Front Upward	20450/829.0	QPSK	0.112	0.13	1.114	0.125	1.6	/
Front Upward	20600/844.0	QPSK	0.104	-0.70	1.117	0.116	1.6	/
ANT 1/Unfold/50%RB#0/Full power								
Front Upward	20525/836.5	QPSK	0.085	-1.40	1.119	0.095	1.6	/
Back Upward	20525/836.5	QPSK	0.072	-2.29	1.119	0.081	1.6	/
Left	20525/836.5	QPSK	0.056	0.97	1.119	0.063	1.6	/
Bottom	20525/836.5	QPSK	0.065	-0.83	1.119	0.073	1.6	/
ANT 1/Fold/1RB#0/Full power								
Front Upward	20525/836.5	QPSK	0.042	1.31	1.119	0.047	1.6	/
Back Upward	20525/836.5	QPSK	0.086	0.94	1.119	0.096	1.6	/
Left	20525/836.5	QPSK	0.095	-0.83	1.119	0.106	1.6	/
Bottom	20525/836.5	QPSK	0.061	-0.76	1.119	0.068	1.6	/
Left	20450/829.0	QPSK	0.086	-2.78	1.114	0.096	1.6	/
Left	20600/844.0	QPSK	0.097	1.02	1.117	0.108	1.6	/
ANT 1/Fold/50%RB#0/Full power								
Front Upward	20525/836.5	QPSK	0.032	1.46	1.119	0.036	1.6	/
Back Upward	20525/836.5	QPSK	0.065	-0.60	1.119	0.073	1.6	/
Left	20525/836.5	QPSK	0.073	0.87	1.119	0.082	1.6	/
Bottom	20525/836.5	QPSK	0.046	-1.51	1.119	0.051	1.6	/
ANT 3/Unfold/1RB#0/Full power								
Front Upward	20525/836.5	QPSK	0.369	1.62	1.081	0.399	1.6	/
Back Upward	20525/836.5	QPSK	0.261	0.14	1.081	0.282	1.6	/
Right	20525/836.5	QPSK	0.411	-2.46	1.081	0.444	1.6	/
Top	20525/836.5	QPSK	0.037	1.57	1.081	0.040	1.6	/
Right	20450/829.0	QPSK	0.467	-2.10	1.072	0.501	1.6	18
Right	20600/844.0	QPSK	0.450	0.98	1.064	0.479	1.6	/
ANT 3/Unfold/50%RB#0/Full power								
Front Upward	20525/836.5	QPSK	0.285	1.28	1.067	0.304	1.6	/
Back Upward	20525/836.5	QPSK	0.198	0.33	1.067	0.211	1.6	/
Right	20525/836.5	QPSK	0.319	-2.21	1.067	0.340	1.6	/
Top	20525/836.5	QPSK	0.029	0.79	1.067	0.031	1.6	/
ANT 3/Fold/1RB#0/Full power								
Front Upward	20525/836.5	QPSK	0.205	0.40	1.081	0.222	1.6	/



Back Upward	20525/836.5	QPSK	0.166	-0.76	1.081	0.179	1.6	/
Right	20525/836.5	QPSK	0.256	1.50	1.081	0.277	1.6	/
Bottom	20525/836.5	QPSK	0.085	-2.38	1.081	0.092	1.6	/
Right	20450/829.0	QPSK	0.231	-0.35	1.072	0.248	1.6	/
Right	20600/844.0	QPSK	0.295	1.21	1.064	0.314	1.6	/
ANT 3/Fold/50%RB#0/Full power								
Front Upward	20525/836.5	QPSK	0.146	-1.96	1.067	0.156	1.6	/
Back Upward	20525/836.5	QPSK	0.127	-0.57	1.067	0.136	1.6	/
Right	20525/836.5	QPSK	0.188	0.22	1.067	0.201	1.6	/
Bottom	20525/836.5	QPSK	0.065	-0.86	1.067	0.069	1.6	/



Results overview of FDD LTE Band 7, QPSK, 20MHz Bandwidth

Head(0mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 2/1RB#0/Full power								
Right Cheek	21100/2535.0	QPSK	0.053	-1.40	1.135	0.060	1.6	/
Right Tilted	21100/2535.0	QPSK	0.020	-0.28	1.135	0.023	1.6	/
Left Cheek	21100/2535.0	QPSK	0.041	-0.39	1.135	0.047	1.6	/
Left Tilted	21100/2535.0	QPSK	0.016	1.07	1.135	0.018	1.6	/
Right Cheek	20850/2510.0	QPSK	0.050	-2.11	1.099	0.055	1.6	/
Right Cheek	21350/2560.0	QPSK	0.046	-0.50	1.169	0.054	1.6	/
ANT 2/1RB#99+1RB#0/Full power								
Right Cheek CA_7C	20850/2510.0	QPSK	0.031	-0.20	1.064	0.033	1.6	/
	21048/2529.8	QPSK						
ANT 2/50%RB#0/Full power								
Right Cheek	21100/2535.0	QPSK	0.040	1.25	1.161	0.046	1.6	/
Right Tilted	21100/2535.0	QPSK	0.015	2.17	1.161	0.017	1.6	/
Left Cheek	21100/2535.0	QPSK	0.031	0.55	1.161	0.036	1.6	/
Left Tilted	21100/2535.0	QPSK	0.012	-0.53	1.161	0.014	1.6	/
ANT 6/1RB#0/DSI 1 power								
Right Cheek	21100/2535.0	QPSK	0.352	0.56	1.086	0.382	1.6	/
Right Tilted	21100/2535.0	QPSK	0.478	-1.33	1.086	0.519	1.6	/
Left Cheek	21100/2535.0	QPSK	0.426	1.68	1.086	0.463	1.6	/
Left Tilted	21100/2535.0	QPSK	0.524	-0.75	1.086	0.569	1.6	/
Left Tilted	20850/2510.0	QPSK	0.479	0.57	1.107	0.530	1.6	/
Left Tilted	21350/2560.0	QPSK	0.558	-2.01	1.138	0.635	1.6	19
ANT 6/50%RB#0/DSI 1 power								
Right Cheek	21100/2535.0	QPSK	0.268	0.11	1.062	0.285	1.6	/
Right Tilted	21100/2535.0	QPSK	0.359	-1.51	1.062	0.381	1.6	/
Left Cheek	21100/2535.0	QPSK	0.323	-0.55	1.062	0.343	1.6	/
Left Tilted	21100/2535.0	QPSK	0.401	2.18	1.062	0.426	1.6	/
Body & Hotspot (10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 2/Unfold/1RB#0/Full power								



Front Upward	21100/2535.0	QPSK	0.154	0.37	1.135	0.175	1.6	/
Back Upward	21100/2535.0	QPSK	0.169	2.13	1.135	0.192	1.6	/
Right	21100/2535.0	QPSK	0.089	-0.74	1.135	0.101	1.6	/
Bottom	21100/2535.0	QPSK	0.140	-1.43	1.135	0.159	1.6	/
Back Upward	20850/2510.0	QPSK	0.153	-3.23	1.099	0.168	1.6	/
Back Upward	21350/2560.0	QPSK	0.147	-0.89	1.169	0.172	1.6	/
ANT 2/1RB#99+1RB#0/Full power								
Back Upward CA_7C	20850/2510.0	QPSK	0.101	-1.13	1.064	0.107	1.6	/
	21048/2529.8	QPSK						
ANT 2/Unfold/50%RB#0/Full power								
Front Upward	21100/2535.0	QPSK	0.113	-0.57	1.161	0.131	1.6	/
Back Upward	21100/2535.0	QPSK	0.128	1.19	1.161	0.149	1.6	/
Right	21100/2535.0	QPSK	0.066	0.35	1.161	0.077	1.6	/
Bottom	21100/2535.0	QPSK	0.104	-1.07	1.161	0.121	1.6	/
ANT 2/Fold/1RB#0/Full power								
Front Upward	21100/2535.0	QPSK	0.087	1.19	1.135	0.099	1.6	/
Back Upward	21100/2535.0	QPSK	0.176	1.59	1.135	0.200	1.6	/
Right	21100/2535.0	QPSK	0.088	-0.57	1.135	0.100	1.6	/
Bottom	21100/2535.0	QPSK	0.137	0.66	1.135	0.155	1.6	/
Back Upward	20850/2510.0	QPSK	0.163	2.08	1.099	0.179	1.6	/
Back Upward	21350/2560.0	QPSK	0.151	-1.49	1.169	0.177	1.6	/
ANT 2/1RB#99+1RB#0/Full power								
Back Upward CA_7C	20850/2510.0	QPSK	0.114	0.55	1.064	0.121	1.6	/
	21048/2529.8	QPSK						
ANT 2/Fold/50%RB#0/Full power								
Front Upward	21100/2535.0	QPSK	0.067	-0.48	1.161	0.078	1.6	/
Back Upward	21100/2535.0	QPSK	0.137	-1.76	1.161	0.159	1.6	/
Right	21100/2535.0	QPSK	0.067	-0.41	1.161	0.078	1.6	/
Bottom	21100/2535.0	QPSK	0.106	1.19	1.161	0.123	1.6	/
ANT 6/Unfold/1RB#0/Full power								
Front Upward	21100/2535.0	QPSK	0.235	0.35	1.104	0.259	1.6	/
Back Upward	21100/2535.0	QPSK	0.270	-1.68	1.104	0.298	1.6	/
Left	21100/2535.0	QPSK	0.139	-0.56	1.104	0.153	1.6	/
Top	21100/2535.0	QPSK	0.668	2.09	1.104	0.737	1.6	/



Top	20850/2510.0	QPSK	0.651	-1.49	1.094	0.712	1.6	/
Top	21350/2560.0	QPSK	0.682	0.39	1.109	0.756	1.6	20
ANT 6/Unfold/50%RB#0/Full power								
Front Upward	21100/2535.0	QPSK	0.179	1.18	1.112	0.199	1.6	/
Back Upward	21100/2535.0	QPSK	0.206	0.60	1.112	0.229	1.6	/
Left	21100/2535.0	QPSK	0.106	0.64	1.112	0.118	1.6	/
Top	21100/2535.0	QPSK	0.508	-0.52	1.112	0.565	1.6	/
ANT 6/Fold/1RB#0/Full power								
Front Upward	21100/2535.0	QPSK	0.121	1.34	1.104	0.134	1.6	/
Back Upward	21100/2535.0	QPSK	0.055	0.86	1.104	0.061	1.6	/
Left	21100/2535.0	QPSK	0.102	-1.73	1.104	0.113	1.6	/
Bottom	21100/2535.0	QPSK	0.148	0.99	1.104	0.163	1.6	/
Bottom	20850/2510.0	QPSK	0.162	0.86	1.094	0.177	1.6	/
Bottom	21350/2560.0	QPSK	0.159	-0.65	1.109	0.176	1.6	/
ANT 6/Fold/50%RB#0/Full power								
Front Upward	21100/2535.0	QPSK	0.092	-1.57	1.112	0.102	1.6	/
Back Upward	21100/2535.0	QPSK	0.042	-1.64	1.112	0.047	1.6	/
Left	21100/2535.0	QPSK	0.077	-0.59	1.112	0.086	1.6	/
Bottom	21100/2535.0	QPSK	0.111	0.32	1.112	0.123	1.6	/



Results overview of FDD LTE Band 12, QPSK, 10MHz Bandwidth

Head(0mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 1/1RB#0/Full power								
Right Cheek	23095/707.5	QPSK	0.049	0.71	1.107	0.054	1.6	/
Right Tilted	23095/707.5	QPSK	0.020	2.02	1.107	0.022	1.6	/
Left Cheek	23095/707.5	QPSK	0.067	-1.10	1.107	0.074	1.6	/
Left Tilted	23095/707.5	QPSK	0.031	0.46	1.107	0.034	1.6	/
Left Cheek	23060/704.0	QPSK	0.086	-0.94	1.119	0.096	1.6	/
Left Cheek	23130/711.0	QPSK	0.071	1.26	1.130	0.080	1.6	/
ANT 1/50%RB#0/Full power								
Right Cheek	23095/707.5	QPSK	0.037	1.65	1.125	0.042	1.6	/
Right Tilted	23095/707.5	QPSK	0.015	-2.06	1.125	0.017	1.6	/
Left Cheek	23095/707.5	QPSK	0.052	0.21	1.125	0.059	1.6	/
Left Tilted	23095/707.5	QPSK	0.024	0.58	1.125	0.027	1.6	/
ANT 3/1RB#0/DSI 1 power								
Right Cheek	23095/707.5	QPSK	0.553	0.42	1.151	0.637	1.6	/
Right Tilted	23095/707.5	QPSK	0.137	2.08	1.151	0.158	1.6	/
Left Cheek	23095/707.5	QPSK	0.576	-0.39	1.151	0.663	1.6	/
Left Tilted	23095/707.5	QPSK	0.175	2.33	1.151	0.201	1.6	/
Left Cheek	23060/704.0	QPSK	0.572	-1.16	1.132	0.648	1.6	/
Left Cheek	23130/711.0	QPSK	0.609	0.60	1.091	0.664	1.6	21
ANT 3/50%RB#0/DSI 1 power								
Right Cheek	23095/707.5	QPSK	0.413	-1.71	1.140	0.471	1.6	/
Right Tilted	23095/707.5	QPSK	0.105	-0.59	1.140	0.120	1.6	/
Left Cheek	23095/707.5	QPSK	0.441	-2.24	1.140	0.503	1.6	/
Left Tilted	23095/707.5	QPSK	0.130	1.69	1.140	0.148	1.6	/
Body & Hotspot (10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 1/Unfold/1RB#0/Full power								
Front Upward	23095/707.5	QPSK	0.104	0.52	1.107	0.115	1.6	/
Back Upward	23095/707.5	QPSK	0.090	-0.16	1.107	0.100	1.6	/
Left	23095/707.5	QPSK	0.069	-2.77	1.107	0.076	1.6	/



Bottom	23095/707.5	QPSK	0.080	2.63	1.107	0.089	1.6	/
Front Upward	23060/704.0	QPSK	0.101	0.14	1.119	0.113	1.6	/
Front Upward	23130/711.0	QPSK	0.098	-0.80	1.130	0.111	1.6	/
ANT 1/Unfold/50%RB#0/Full power								
Front Upward	23095/707.5	QPSK	0.079	-0.59	1.125	0.089	1.6	/
Back Upward	23095/707.5	QPSK	0.068	-2.66	1.125	0.077	1.6	/
Left	23095/707.5	QPSK	0.052	0.28	1.125	0.059	1.6	/
Bottom	23095/707.5	QPSK	0.061	-1.14	1.125	0.069	1.6	/
ANT 1/Fold/1RB#0/Full power								
Front Upward	23095/707.5	QPSK	0.041	-2.07	1.107	0.045	1.6	/
Back Upward	23095/707.5	QPSK	0.084	-1.78	1.107	0.093	1.6	/
Left	23095/707.5	QPSK	0.093	-0.39	1.107	0.103	1.6	/
Bottom	23095/707.5	QPSK	0.061	1.79	1.107	0.068	1.6	/
Left	23060/704.0	QPSK	0.085	-0.55	1.119	0.095	1.6	/
Left	23130/711.0	QPSK	0.096	0.24	1.130	0.108	1.6	/
ANT 1/Fold/50%RB#0/Full power								
Front Upward	23095/707.5	QPSK	0.031	0.80	1.125	0.035	1.6	/
Back Upward	23095/707.5	QPSK	0.065	0.52	1.125	0.073	1.6	/
Left	23095/707.5	QPSK	0.071	-1.64	1.125	0.080	1.6	/
Bottom	23095/707.5	QPSK	0.046	-0.57	1.125	0.052	1.6	/
ANT 3/Unfold/1RB#0/Full power								
Front Upward	23095/707.5	QPSK	0.479	0.25	1.112	0.533	1.6	/
Back Upward	23095/707.5	QPSK	0.336	-2.36	1.112	0.374	1.6	/
Right	23095/707.5	QPSK	0.623	-0.80	1.112	0.693	1.6	/
Top	23095/707.5	QPSK	0.048	1.69	1.112	0.053	1.6	/
Right	23060/704.0	QPSK	0.604	-0.68	1.135	0.686	1.6	/
Right	23130/711.0	QPSK	0.637	-1.14	1.119	0.713	1.6	22
ANT 3/Unfold/50%RB#0/Full power								
Front Upward	23095/707.5	QPSK	0.365	-0.95	1.143	0.417	1.6	/
Back Upward	23095/707.5	QPSK	0.259	0.32	1.143	0.296	1.6	/
Right	23095/707.5	QPSK	0.478	1.35	1.143	0.546	1.6	/
Top	23095/707.5	QPSK	0.036	0.48	1.143	0.041	1.6	/
ANT 3/Fold/1RB#0/Full power								
Front Upward	23095/707.5	QPSK	0.122	1.31	1.112	0.136	1.6	/



Back Upward	23095/707.5	QPSK	0.103	0.05	1.112	0.115	1.6	/
Right	23095/707.5	QPSK	0.142	-0.03	1.112	0.158	1.6	/
Bottom	23095/707.5	QPSK	0.052	-0.11	1.112	0.058	1.6	/
Right	23060/704.0	QPSK	0.151	-1.58	1.135	0.171	1.6	/
Right	23130/711.0	QPSK	0.137	-1.24	1.119	0.153	1.6	/
ANT 3/Fold/50%RB#0/Full power								
Front Upward	23095/707.5	QPSK	0.093	0.66	1.143	0.106	1.6	/
Back Upward	23095/707.5	QPSK	0.078	0.60	1.143	0.089	1.6	/
Right	23095/707.5	QPSK	0.108	0.71	1.143	0.123	1.6	/
Bottom	23095/707.5	QPSK	0.040	1.80	1.143	0.046	1.6	/



Results overview of FDD LTE Band 17, QPSK, 10MHz Bandwidth

Head(0mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 1/1RB#0/Full power								
Right Cheek	23790/710.0	QPSK	0.046	-0.39	1.104	0.051	1.6	/
Right Tilted	23790/710.0	QPSK	0.019	-0.80	1.104	0.021	1.6	/
Left Cheek	23790/710.0	QPSK	0.081	1.11	1.104	0.089	1.6	/
Left Tilted	23790/710.0	QPSK	0.029	-0.94	1.104	0.032	1.6	/
Left Cheek	23780/709.0	QPSK	0.071	2.07	1.132	0.080	1.6	/
Left Cheek	23800/711.0	QPSK	0.067	-0.24	1.122	0.075	1.6	/
ANT 1/50%RB#0/Full power								
Right Cheek	23790/710.0	QPSK	0.035	-1.13	1.132	0.040	1.6	/
Right Tilted	23790/710.0	QPSK	0.014	0.68	1.132	0.016	1.6	/
Left Cheek	23790/710.0	QPSK	0.062	-1.79	1.132	0.070	1.6	/
Left Tilted	23790/710.0	QPSK	0.022	-2.28	1.132	0.025	1.6	/
ANT 3/1RB#0/DSI 1 power								
Right Cheek	23790/710.0	QPSK	0.564	-0.32	1.151	0.649	1.6	/
Right Tilted	23790/710.0	QPSK	0.141	-1.48	1.151	0.162	1.6	/
Left Cheek	23790/710.0	QPSK	0.589	0.36	1.151	0.678	1.6	23
Left Tilted	23790/710.0	QPSK	0.183	2.27	1.151	0.211	1.6	/
Left Cheek	23780/709.0	QPSK	0.574	0.51	1.127	0.647	1.6	/
Left Cheek	23800/711.0	QPSK	0.604	-1.70	1.102	0.666	1.6	/
ANT 3/50%RB#0/DSI 1 power								
Right Cheek	23790/710.0	QPSK	0.429	1.47	1.127	0.483	1.6	/
Right Tilted	23790/710.0	QPSK	0.108	0.25	1.127	0.122	1.6	/
Left Cheek	23790/710.0	QPSK	0.445	1.61	1.127	0.502	1.6	/
Left Tilted	23790/710.0	QPSK	0.141	-2.46	1.127	0.159	1.6	/
Body & Hotspot (10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 1/Unfold/1RB#0/Full power								
Front Upward	23790/710.0	QPSK	0.108	2.03	1.104	0.119	1.6	/
Back Upward	23790/710.0	QPSK	0.092	0.78	1.104	0.102	1.6	/
Left	23790/710.0	QPSK	0.070	-1.60	1.104	0.077	1.6	/



Bottom	23790/710.0	QPSK	0.082	0.50	1.104	0.091	1.6	/
Front Upward	23780/709.0	QPSK	0.103	0.16	1.132	0.117	1.6	/
Front Upward	23800/711.0	QPSK	0.106	-1.32	1.122	0.119	1.6	/
ANT 1/Unfold/50%RB#0/Full power								
Front Upward	23790/710.0	QPSK	0.081	-0.20	1.132	0.092	1.6	/
Back Upward	23790/710.0	QPSK	0.070	-2.19	1.132	0.079	1.6	/
Left	23790/710.0	QPSK	0.052	-0.86	1.132	0.059	1.6	/
Bottom	23790/710.0	QPSK	0.062	0.53	1.132	0.070	1.6	/
ANT 1/Fold/1RB#0/Full power								
Front Upward	23790/710.0	QPSK	0.039	-1.58	1.104	0.043	1.6	/
Back Upward	23790/710.0	QPSK	0.080	-0.17	1.104	0.088	1.6	/
Left	23790/710.0	QPSK	0.089	2.02	1.104	0.098	1.6	/
Bottom	23790/710.0	QPSK	0.057	-0.85	1.104	0.063	1.6	/
Left	23780/709.0	QPSK	0.092	0.70	1.132	0.104	1.6	/
Left	23800/711.0	QPSK	0.086	1.16	1.122	0.096	1.6	/
ANT 1/Fold/50%RB#0/Full power								
Front Upward	23790/710.0	QPSK	0.030	-0.46	1.132	0.034	1.6	/
Back Upward	23790/710.0	QPSK	0.060	2.23	1.132	0.068	1.6	/
Left	23790/710.0	QPSK	0.067	0.19	1.132	0.076	1.6	/
Bottom	23790/710.0	QPSK	0.043	1.31	1.132	0.049	1.6	/
ANT 3/Unfold/1RB#0/Full power								
Front Upward	23790/710.0	QPSK	0.569	0.27	1.099	0.625	1.6	/
Back Upward	23790/710.0	QPSK	0.406	1.43	1.099	0.446	1.6	/
Right	23790/710.0	QPSK	0.684	0.84	1.099	0.752	1.6	24
Top	23790/710.0	QPSK	0.058	-2.32	1.099	0.064	1.6	/
Right	23780/709.0	QPSK	0.680	2.11	1.112	0.756	1.6	/
Right	23800/711.0	QPSK	0.671	-0.65	1.112	0.746	1.6	/
ANT 3/Unfold/50%RB#0/Full power								
Front Upward	23790/710.0	QPSK	0.429	1.61	1.089	0.467	1.6	/
Back Upward	23790/710.0	QPSK	0.306	1.08	1.089	0.333	1.6	/
Right	23790/710.0	QPSK	0.515	0.93	1.089	0.561	1.6	/
Top	23790/710.0	QPSK	0.044	-2.07	1.089	0.048	1.6	/
ANT 3/Fold/1RB#0/Full power								
Front Upward	23790/710.0	QPSK	0.106	1.48	1.099	0.116	1.6	/



Back Upward	23790/710.0	QPSK	0.121	-1.13	1.099	0.133	1.6	/
Right	23790/710.0	QPSK	0.181	0.16	1.099	0.199	1.6	/
Bottom	23790/710.0	QPSK	0.060	-1.12	1.099	0.066	1.6	/
Right	23780/709.0	QPSK	0.173	-2.05	1.112	0.192	1.6	/
Right	23800/711.0	QPSK	0.165	-0.92	1.112	0.183	1.6	/
ANT 3/Fold/50%RB#0/Full power								
Front Upward	23790/710.0	QPSK	0.081	1.02	1.089	0.088	1.6	/
Back Upward	23790/710.0	QPSK	0.093	-0.76	1.089	0.101	1.6	/
Right	23790/710.0	QPSK	0.140	-2.01	1.089	0.152	1.6	/
Bottom	23790/710.0	QPSK	0.046	0.40	1.089	0.050	1.6	/



Results overview of TDD LTE Band 41, QPSK, 20MHz Bandwidth

Head(0mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 2/1RB#0/Full power								
Right Cheek	40620/2593.0	QPSK	0.037	-2.05	1.135	0.042	1.6	/
Right Tilted	40620/2593.0	QPSK	0.014	1.30	1.135	0.016	1.6	/
Left Cheek	40620/2593.0	QPSK	0.029	-0.61	1.135	0.033	1.6	/
Left Tilted	40620/2593.0	QPSK	0.011	2.29	1.135	0.012	1.6	/
Right Cheek	39750/2506.0	QPSK	0.035	0.70	1.119	0.039	1.6	/
Right Cheek	41490/2680.0	QPSK	0.033	0.49	1.094	0.036	1.6	/
ANT 2/50%RB#0/Full power								
Right Cheek	40620/2593.0	QPSK	0.029	1.70	1.059	0.031	1.6	/
Right Tilted	40620/2593.0	QPSK	0.011	2.11	1.059	0.012	1.6	/
Left Cheek	40620/2593.0	QPSK	0.023	0.60	1.059	0.024	1.6	/
Left Tilted	40620/2593.0	QPSK	0.009	-1.66	1.059	0.010	1.6	/
ANT 4/1RB#0/DSI 1 power								
Right Cheek	40620/2593.0	QPSK	0.270	-0.76	1.146	0.309	1.6	/
Right Tilted	40620/2593.0	QPSK	0.038	-2.04	1.146	0.044	1.6	/
Left Cheek	40620/2593.0	QPSK	0.459	-3.09	1.146	0.526	1.6	/
Left Tilted	40620/2593.0	QPSK	0.043	0.95	1.146	0.049	1.6	/
Left Cheek	39750/2506.0	QPSK	0.435	2.31	1.161	0.505	1.6	/
Left Cheek	41490/2680.0	QPSK	0.496	1.17	1.167	0.579	1.6	/
ANT 4/50%RB#0/DSI 1 power								
Right Cheek	40620/2593.0	QPSK	0.206	1.70	1.038	0.214	1.6	/
Right Tilted	40620/2593.0	QPSK	0.029	0.97	1.038	0.030	1.6	/
Left Cheek	40620/2593.0	QPSK	0.347	-1.90	1.038	0.360	1.6	/
Left Tilted	40620/2593.0	QPSK	0.033	0.64	1.038	0.034	1.6	/
ANT 6/1RB#0/DSI 1 power								
Right Cheek	40620/2593.0	QPSK	0.395	0.21	1.161	0.459	1.6	/
Right Tilted	40620/2593.0	QPSK	0.441	-2.27	1.161	0.512	1.6	/
Left Cheek	40620/2593.0	QPSK	0.450	-0.45	1.161	0.522	1.6	/
Left Tilted	40620/2593.0	QPSK	0.586	0.51	1.161	0.680	1.6	/
Left Tilted	39750/2506.0	QPSK	0.463	-1.07	1.146	0.531	1.6	/



Left Tilted	41490/2680.0	QPSK	0.472	-0.21	1.122	0.530	1.6	/
ANT 6/50%RB#0/DSI 1 power								
Right Cheek	40620/2593.0	QPSK	0.300	0.48	1.114	0.334	1.6	/
Right Tilted	40620/2593.0	QPSK	0.334	-1.71	1.114	0.372	1.6	/
Left Cheek	40620/2593.0	QPSK	0.336	0.99	1.114	0.374	1.6	/
Left Tilted	40620/2593.0	QPSK	0.444	-0.20	1.114	0.495	1.6	/
ANT 8/1RB#0/DSI 1 power								
Right Cheek	40620/2593.0	QPSK	0.653	-2.20	1.161	0.758	1.6	25
Right Tilted	40620/2593.0	QPSK	0.414	0.61	1.161	0.481	1.6	/
Left Cheek	40620/2593.0	QPSK	0.435	-1.42	1.161	0.505	1.6	/
Left Tilted	40620/2593.0	QPSK	0.280	0.36	1.161	0.325	1.6	/
Right Cheek	39750/2506.0	QPSK	0.621	-2.15	1.130	0.702	1.6	/
Right Cheek	41490/2680.0	QPSK	0.598	-0.68	1.153	0.689	1.6	/
ANT 8/50%RB#0/DSI 1 power								
Right Cheek	40620/2593.0	QPSK	0.572	0.25	1.114	0.637	1.6	/
Right Tilted	40620/2593.0	QPSK	0.332	-1.41	1.114	0.370	1.6	/
Left Cheek	40620/2593.0	QPSK	0.335	-2.23	1.114	0.373	1.6	/
Left Tilted	40620/2593.0	QPSK	0.216	0.99	1.114	0.241	1.6	/
Body & Hotspot (10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 2/Unfold/1RB#0/Full power								
Front Upward	40620/2593.0	QPSK	0.090	0.97	1.135	0.102	1.6	/
Back Upward	40620/2593.0	QPSK	0.103	0.17	1.135	0.117	1.6	/
Right	40620/2593.0	QPSK	0.050	-2.11	1.135	0.057	1.6	/
Bottom	40620/2593.0	QPSK	0.077	-1.35	1.135	0.087	1.6	/
Back Upward	39750/2506.0	QPSK	0.085	0.36	1.119	0.095	1.6	/
Back Upward	41490/2680.0	QPSK	0.082	-0.48	1.094	0.090	1.6	/
ANT 2/Unfold/50%RB#0/Full power								
Front Upward	40620/2593.0	QPSK	0.067	0.56	1.059	0.071	1.6	/
Back Upward	40620/2593.0	QPSK	0.078	-0.42	1.059	0.083	1.6	/
Right	40620/2593.0	QPSK	0.035	-1.93	1.059	0.037	1.6	/
Bottom	40620/2593.0	QPSK	0.058	1.52	1.059	0.061	1.6	/
ANT 2/Fold/1RB#0/Full power								



Front Upward	40620/2593.0	QPSK	0.036	1.10	1.135	0.041	1.6	/
Back Upward	40620/2593.0	QPSK	0.073	-2.21	1.135	0.083	1.6	/
Right	40620/2593.0	QPSK	0.037	0.91	1.135	0.042	1.6	/
Bottom	40620/2593.0	QPSK	0.058	-1.28	1.135	0.066	1.6	/
Back Upward	39750/2506.0	QPSK	0.070	0.60	1.119	0.078	1.6	/
Back Upward	41490/2680.0	QPSK	0.065	-1.66	1.094	0.071	1.6	/
ANT 2/Fold/50%RB#0/Full power								
Front Upward	40620/2593.0	QPSK	0.027	0.00	1.059	0.029	1.6	/
Back Upward	40620/2593.0	QPSK	0.056	-0.79	1.059	0.059	1.6	/
Right	40620/2593.0	QPSK	0.028	0.76	1.059	0.030	1.6	/
Bottom	40620/2593.0	QPSK	0.043	-0.49	1.059	0.046	1.6	/
ANT 4/Unfold/1RB#0/Full power								
Front Upward	40620/2593.0	QPSK	0.171	0.35	1.161	0.199	1.6	/
Back Upward	40620/2593.0	QPSK	0.396	-2.03	1.161	0.460	1.6	/
Left	40620/2593.0	QPSK	0.172	-0.41	1.161	0.200	1.6	/
Back Upward	39750/2506.0	QPSK	0.442	1.15	1.178	0.521	1.6	/
Back Upward	41490/2680.0	QPSK	0.408	-0.51	1.146	0.468	1.6	/
ANT 4/Unfold/50%RB#0/Full power								
Front Upward	40620/2593.0	QPSK	0.129	-2.38	1.107	0.143	1.6	/
Back Upward	40620/2593.0	QPSK	0.298	0.54	1.107	0.330	1.6	/
Left	40620/2593.0	QPSK	0.130	0.31	1.107	0.144	1.6	/
ANT 4/Fold/1RB#0/Full power								
Front Upward	40620/2593.0	QPSK	0.231	0.81	1.161	0.268	1.6	/
Back Upward	40620/2593.0	QPSK	0.067	-0.69	1.161	0.078	1.6	/
Left	40620/2593.0	QPSK	0.137	1.53	1.161	0.159	1.6	/
Top	40620/2593.0	QPSK	0.098	0.86	1.161	0.114	1.6	/
Front Upward	39750/2506.0	QPSK	0.242	-2.07	1.178	0.285	1.6	/
Front Upward	41490/2680.0	QPSK	0.273	1.60	1.146	0.313	1.6	/
ANT 4/Fold/50%RB#0/Full power								
Front Upward	40620/2593.0	QPSK	0.210	-1.59	1.107	0.232	1.6	/
Back Upward	40620/2593.0	QPSK	0.051	0.28	1.107	0.056	1.6	/
Left	40620/2593.0	QPSK	0.104	0.49	1.107	0.115	1.6	/
Top	40620/2593.0	QPSK	0.076	0.60	1.107	0.084	1.6	/
ANT 6/Unfold/1RB#0/Full power								



Front Upward	40620/2593.0	QPSK	0.135	-1.31	1.164	0.157	1.6	/
Back Upward	40620/2593.0	QPSK	0.158	-2.19	1.164	0.184	1.6	/
Left	40620/2593.0	QPSK	0.077	1.10	1.164	0.090	1.6	/
Top	40620/2593.0	QPSK	0.376	-0.48	1.164	0.438	1.6	/
Top	39750/2506.0	QPSK	0.382	-0.89	1.183	0.452	1.6	/
Top	41490/2680.0	QPSK	0.404	-1.24	1.175	0.475	1.6	/
ANT 6/Unfold/50%RB#0/Full power								
Front Upward	40620/2593.0	QPSK	0.103	0.59	1.180	0.122	1.6	/
Back Upward	40620/2593.0	QPSK	0.121	2.07	1.180	0.143	1.6	/
Left	40620/2593.0	QPSK	0.059	-0.26	1.180	0.070	1.6	/
Top	40620/2593.0	QPSK	0.288	-0.75	1.180	0.340	1.6	/
ANT 6/Fold/1RB#0/Full power								
Front Upward	40620/2593.0	QPSK	0.094	0.86	1.164	0.109	1.6	/
Back Upward	40620/2593.0	QPSK	0.037	-0.38	1.164	0.043	1.6	/
Left	40620/2593.0	QPSK	0.068	-2.46	1.164	0.079	1.6	/
Bottom	40620/2593.0	QPSK	0.107	-2.01	1.164	0.125	1.6	/
Bottom	39750/2506.0	QPSK	0.113	-1.47	1.183	0.134	1.6	/
Bottom	41490/2680.0	QPSK	0.129	0.52	1.175	0.152	1.6	/
ANT 6/Fold/50%RB#0/Full power								
Front Upward	40620/2593.0	QPSK	0.071	0.91	1.180	0.084	1.6	/
Back Upward	40620/2593.0	QPSK	0.028	-2.12	1.180	0.033	1.6	/
Left	40620/2593.0	QPSK	0.052	1.23	1.180	0.061	1.6	/
Bottom	40620/2593.0	QPSK	0.081	-0.27	1.180	0.096	1.6	/
ANT 8/Unfold/1RB#0/Full power								
Front Upward	40620/2593.0	QPSK	0.392	0.40	1.109	0.435	1.6	/
Back Upward	40620/2593.0	QPSK	0.241	-2.28	1.109	0.267	1.6	/
Left	40620/2593.0	QPSK	0.521	-1.69	1.109	0.578	1.6	/
Top	40620/2593.0	QPSK	0.048	0.60	1.109	0.053	1.6	/
Left	39750/2506.0	QPSK	0.533	0.19	1.119	0.596	1.6	26
Left	41490/2680.0	QPSK	0.495	1.56	1.079	0.534	1.6	/
ANT 8/Unfold/50%RB#0/Full power								
Front Upward	40620/2593.0	QPSK	0.298	1.15	1.096	0.327	1.6	/
Back Upward	40620/2593.0	QPSK	0.185	1.08	1.096	0.203	1.6	/
Left	40620/2593.0	QPSK	0.397	-0.94	1.096	0.435	1.6	/



Top	40620/2593.0	QPSK	0.036	-0.31	1.096	0.039	1.6	/
ANT 8/Fold/1RB#0/Full power								
Front Upward	40620/2593.0	QPSK	0.146	-0.93	1.109	0.162	1.6	/
Back Upward	40620/2593.0	QPSK	0.129	-0.64	1.109	0.143	1.6	/
Left	40620/2593.0	QPSK	0.370	-0.15	1.109	0.410	1.6	/
Bottom	40620/2593.0	QPSK	0.095	-0.42	1.109	0.105	1.6	/
Left	39750/2506.0	QPSK	0.358	1.79	1.119	0.401	1.6	/
Left	41490/2680.0	QPSK	0.340	1.05	1.079	0.367	1.6	/
ANT 8/Fold/50%RB#0/Full power								
Front Upward	40620/2593.0	QPSK	0.111	0.65	1.096	0.122	1.6	/
Back Upward	40620/2593.0	QPSK	0.099	1.28	1.096	0.109	1.6	/
Left	40620/2593.0	QPSK	0.282	-1.45	1.096	0.309	1.6	/
Bottom	40620/2593.0	QPSK	0.072	-0.61	1.096	0.079	1.6	/



Results overview of 5G NR Band 5, QPSK, 20MHz Bandwidth

Head(0mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 1/1RB#1, 15KHz SCS,DFT-s-OFDM/Full power								
Right Cheek	167300/836.5	QPSK	0.052	-0.79	1.089	0.057	1.6	/
Right Tilted	167300/836.5	QPSK	0.021	0.84	1.089	0.023	1.6	/
Left Cheek	167300/836.5	QPSK	0.091	-1.80	1.089	0.099	1.6	/
Left Tilted	167300/836.5	QPSK	0.033	2.44	1.089	0.036	1.6	/
Left Cheek	166800/834.0	QPSK	0.080	-1.22	1.151	0.092	1.6	/
Left Cheek	167800/839.0	QPSK	0.075	1.08	1.107	0.083	1.6	/
ANT 1/50%RB#0, 15KHz SCS,DFT-s-OFDM/Full power								
Right Cheek	167300/836.5	QPSK	0.040	1.69	1.127	0.045	1.6	/
Right Tilted	167300/836.5	QPSK	0.016	-0.54	1.127	0.018	1.6	/
Left Cheek	167300/836.5	QPSK	0.068	0.91	1.127	0.077	1.6	/
Left Tilted	167300/836.5	QPSK	0.025	-2.72	1.127	0.028	1.6	/
ANT 3/1RB#1, 15KHz SCS,DFT-s-OFDM/DSI 1 power								
Right Cheek	167300/836.5	QPSK	0.363	-2.22	1.140	0.414	1.6	/
Right Tilted	167300/836.5	QPSK	0.119	-0.73	1.140	0.136	1.6	/
Left Cheek	167300/836.5	QPSK	0.465	-0.67	1.140	0.530	1.6	/
Left Tilted	167300/836.5	QPSK	0.150	2.40	1.140	0.171	1.6	/
Left Cheek	166800/834.0	QPSK	0.486	-0.92	1.099	0.534	1.6	27
Left Cheek	167800/839.0	QPSK	0.476	-1.30	1.117	0.532	1.6	/
ANT 3/50%RB#0, 15KHz SCS,DFT-s-OFDM/DSI 1 power								
Right Cheek	167300/836.5	QPSK	0.275	-0.85	1.112	0.306	1.6	/
Right Tilted	167300/836.5	QPSK	0.090	-1.13	1.112	0.100	1.6	/
Left Cheek	167300/836.5	QPSK	0.352	0.74	1.112	0.391	1.6	/
Left Tilted	167300/836.5	QPSK	0.112	-2.29	1.112	0.125	1.6	/
Body & Hotspot (10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 1/Unfold/1RB#1, 15KHz SCS,DFT-s-OFDM/Full power								
Front Upward	167300/836.5	QPSK	0.112	-0.79	1.089	0.122	1.6	/
Back Upward	167300/836.5	QPSK	0.106	2.01	1.089	0.115	1.6	/
Left	167300/836.5	QPSK	0.080	-0.18	1.089	0.087	1.6	/



Bottom	167300/836.5	QPSK	0.094	-1.46	1.089	0.102	1.6	/
Front Upward	166800/834.0	QPSK	0.121	0.35	1.151	0.139	1.6	/
Front Upward	167800/839.0	QPSK	0.118	1.17	1.107	0.131	1.6	/
ANT 1/Unfold/50%RB#0, 15KHz SCS,DFT-s-OFDM/Full power								
Front Upward	167300/836.5	QPSK	0.085	1.75	1.127	0.096	1.6	/
Back Upward	167300/836.5	QPSK	0.081	0.41	1.127	0.091	1.6	/
Left	167300/836.5	QPSK	0.061	-1.19	1.127	0.069	1.6	/
Bottom	167300/836.5	QPSK	0.071	0.65	1.127	0.080	1.6	/
ANT 1/Fold/1RB#1, 15KHz SCS,DFT-s-OFDM/Full power								
Front Upward	167300/836.5	QPSK	0.047	1.61	1.089	0.051	1.6	/
Back Upward	167300/836.5	QPSK	0.097	-2.16	1.089	0.106	1.6	/
Left	167300/836.5	QPSK	0.108	-0.12	1.089	0.118	1.6	/
Bottom	167300/836.5	QPSK	0.068	0.50	1.089	0.074	1.6	/
Left	166800/834.0	QPSK	0.104	1.75	1.151	0.120	1.6	/
Left	167800/839.0	QPSK	0.110	-1.34	1.107	0.122	1.6	/
ANT 1/Fold/50%RB#0, 15KHz SCS,DFT-s-OFDM/Full power								
Front Upward	167300/836.5	QPSK	0.036	-1.15	1.127	0.041	1.6	/
Back Upward	167300/836.5	QPSK	0.074	-2.44	1.127	0.083	1.6	/
Left	167300/836.5	QPSK	0.082	1.48	1.127	0.092	1.6	/
Bottom	167300/836.5	QPSK	0.052	0.74	1.127	0.059	1.6	/
ANT 3/Unfold/1RB#1, 15KHz SCS,DFT-s-OFDM/Full power								
Front Upward	167300/836.5	QPSK	0.308	-0.92	1.153	0.355	1.6	/
Back Upward	167300/836.5	QPSK	0.221	0.69	1.153	0.255	1.6	/
Right	167300/836.5	QPSK	0.374	-0.70	1.153	0.431	1.6	/
Top	167300/836.5	QPSK	0.031	-2.40	1.153	0.036	1.6	/
Right	166800/834.0	QPSK	0.345	-1.57	1.132	0.391	1.6	/
Right	167800/839.0	QPSK	0.391	-0.82	1.122	0.439	1.6	28
ANT 3/Unfold/50%RB#0, 15KHz SCS,DFT-s-OFDM/Full power								
Front Upward	167300/836.5	QPSK	0.236	-0.57	1.091	0.257	1.6	/
Back Upward	167300/836.5	QPSK	0.165	-2.14	1.091	0.180	1.6	/
Right	167300/836.5	QPSK	0.284	1.39	1.091	0.310	1.6	/
Top	167300/836.5	QPSK	0.024	-0.80	1.091	0.026	1.6	/
ANT 3/Fold/1RB#1, 15KHz SCS,DFT-s-OFDM/Full power								
Front Upward	167300/836.5	QPSK	0.105	0.69	1.153	0.121	1.6	/



Back Upward	167300/836.5	QPSK	0.117	-0.98	1.153	0.135	1.6	/
Right	167300/836.5	QPSK	0.190	2.12	1.153	0.219	1.6	/
Bottom	167300/836.5	QPSK	0.063	-0.86	1.153	0.073	1.6	/
Right	166800/834.0	QPSK	0.211	-0.62	1.132	0.239	1.6	/
Right	167800/839.0	QPSK	0.179	-1.34	1.122	0.201	1.6	/
ANT 3/Fold/50%RB#0, 15KHz SCS,DFT-s-OFDM/Full power								
Front Upward	167300/836.5	QPSK	0.075	1.08	1.091	0.082	1.6	/
Back Upward	167300/836.5	QPSK	0.090	-2.26	1.091	0.098	1.6	/
Right	167300/836.5	QPSK	0.123	0.94	1.091	0.134	1.6	/
Bottom	167300/836.5	QPSK	0.045	0.85	1.091	0.049	1.6	/



Results overview of 5G NR Band 41, DFT-QPSK, 100MHz Bandwidth

Head(0mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 2/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Right Cheek	518598/2592.99	QPSK	0.019	0.64	1.167	0.022	1.6	/
Right Tilted	518598/2592.99	QPSK	0.008	1.15	1.167	0.009	1.6	/
Left Cheek	518598/2592.99	QPSK	0.014	0.54	1.167	0.016	1.6	/
Left Tilted	518598/2592.99	QPSK	0.006	-2.53	1.167	0.007	1.6	/
Right Cheek	509202/2546.01	QPSK	0.018	0.78	1.151	0.021	1.6	/
Right Cheek	528000/2640.0	QPSK	0.016	1.44	1.146	0.018	1.6	/
ANT 2/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Right Cheek	518598/2592.99	QPSK	0.014	0.12	1.135	0.016	1.6	/
Right Tilted	518598/2592.99	QPSK	0.005	-2.15	1.135	0.006	1.6	/
Left Cheek	518598/2592.99	QPSK	0.010	-1.80	1.135	0.011	1.6	/
Left Tilted	518598/2592.99	QPSK	0.004	1.02	1.135	0.005	1.6	/
ANT 4/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Right Cheek	518598/2592.99	QPSK	0.277	-0.69	1.140	0.316	1.6	/
Right Tilted	518598/2592.99	QPSK	0.040	1.06	1.140	0.046	1.6	/
Left Cheek	518598/2592.99	QPSK	0.412	-1.47	1.140	0.470	1.6	/
Left Tilted	518598/2592.99	QPSK	0.045	-0.89	1.140	0.051	1.6	/
Left Cheek	509202/2546.01	QPSK	0.440	0.42	1.156	0.509	1.6	/
Left Cheek	528000/2640.0	QPSK	0.457	-0.95	1.107	0.506	1.6	/
ANT 4/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Right Cheek	518598/2592.99	QPSK	0.209	-1.75	1.146	0.240	1.6	/
Right Tilted	518598/2592.99	QPSK	0.030	2.24	1.146	0.034	1.6	/
Left Cheek	518598/2592.99	QPSK	0.351	-1.46	1.146	0.402	1.6	/
Left Tilted	518598/2592.99	QPSK	0.035	-0.59	1.146	0.040	1.6	/
ANT 6/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Right Cheek	518598/2592.99	QPSK	0.480	-0.15	1.119	0.537	1.6	/
Right Tilted	518598/2592.99	QPSK	0.617	0.62	1.119	0.690	1.6	/
Left Cheek	518598/2592.99	QPSK	0.547	0.37	1.119	0.612	1.6	/
Left Tilted	518598/2592.99	QPSK	0.640	-1.44	1.119	0.716	1.6	/
Left Tilted	509202/2546.01	QPSK	0.661	-0.37	1.138	0.752	1.6	/



Left Tilted	528000/2640.0	QPSK	0.698	1.48	1.117	0.780	1.6	/
ANT 6/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Right Cheek	518598/2592.99	QPSK	0.363	-0.37	1.064	0.386	1.6	/
Right Tilted	518598/2592.99	QPSK	0.464	-1.20	1.064	0.494	1.6	/
Left Cheek	518598/2592.99	QPSK	0.415	-0.93	1.064	0.442	1.6	/
Left Tilted	518598/2592.99	QPSK	0.502	0.94	1.064	0.534	1.6	/
ANT 8/1RB#0/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Right Cheek	518598/2592.99	QPSK	0.701	-0.48	1.081	0.758	1.6	29
Right Tilted	518598/2592.99	QPSK	0.389	-0.81	1.081	0.421	1.6	/
Left Cheek	518598/2592.99	QPSK	0.478	1.51	1.081	0.517	1.6	/
Left Tilted	518598/2592.99	QPSK	0.269	2.11	1.081	0.291	1.6	/
Right Cheek	509202/2546.01	QPSK	0.589	-0.78	1.122	0.661	1.6	/
Right Cheek	528000/2640.0	QPSK	0.648	-1.56	1.109	0.719	1.6	/
ANT 8/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Right Cheek	518598/2592.99	QPSK	0.609	-1.13	1.169	0.712	1.6	/
Right Tilted	518598/2592.99	QPSK	0.294	2.02	1.169	0.344	1.6	/
Left Cheek	518598/2592.99	QPSK	0.287	-1.48	1.169	0.336	1.6	/
Left Tilted	518598/2592.99	QPSK	0.201	0.66	1.169	0.235	1.6	/
Body & Hotspot (10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 2/Unfold/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	518598/2592.99	QPSK	0.091	-2.04	1.167	0.106	1.6	/
Back Upward	518598/2592.99	QPSK	0.099	1.83	1.167	0.116	1.6	/
Right	518598/2592.99	QPSK	0.051	-0.49	1.167	0.060	1.6	/
Bottom	518598/2592.99	QPSK	0.078	0.90	1.167	0.091	1.6	/
Back Upward	509202/2546.01	QPSK	0.087	-0.72	1.151	0.100	1.6	/
Back Upward	528000/2640.0	QPSK	0.092	-1.03	1.146	0.105	1.6	/
ANT 2/Unfold/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	518598/2592.99	QPSK	0.070	-1.65	1.135	0.079	1.6	/
Back Upward	518598/2592.99	QPSK	0.073	0.40	1.135	0.083	1.6	/
Right	518598/2592.99	QPSK	0.039	-2.19	1.135	0.044	1.6	/
Bottom	518598/2592.99	QPSK	0.059	-0.22	1.135	0.067	1.6	/
ANT 2/Fold/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								



Front Upward	518598/2592.99	QPSK	0.022	1.28	1.167	0.026	1.6	/
Back Upward	518598/2592.99	QPSK	0.044	-2.70	1.167	0.051	1.6	/
Right	518598/2592.99	QPSK	0.023	0.69	1.167	0.027	1.6	/
Bottom	518598/2592.99	QPSK	0.036	-0.37	1.167	0.042	1.6	/
Back Upward	509202/2546.01	QPSK	0.041	-1.32	1.151	0.047	1.6	/
Back Upward	528000/2640.0	QPSK	0.040	0.16	1.146	0.046	1.6	/
ANT 2/Fold/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	518598/2592.99	QPSK	0.017	-0.70	1.135	0.019	1.6	/
Back Upward	518598/2592.99	QPSK	0.034	-0.84	1.135	0.039	1.6	/
Right	518598/2592.99	QPSK	0.018	-1.69	1.135	0.020	1.6	/
Bottom	518598/2592.99	QPSK	0.027	0.27	1.135	0.031	1.6	/
ANT 4/Unfold/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	518598/2592.99	QPSK	0.111	-1.36	1.140	0.127	1.6	/
Back Upward	518598/2592.99	QPSK	0.252	2.22	1.140	0.287	1.6	/
Left	518598/2592.99	QPSK	0.112	0.91	1.140	0.128	1.6	/
Back Upward	509202/2546.01	QPSK	0.287	0.51	1.156	0.332	1.6	/
Back Upward	528000/2640.0	QPSK	0.258	-1.74	1.107	0.286	1.6	/
ANT 4/Unfold/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	518598/2592.99	QPSK	0.083	-1.18	1.146	0.095	1.6	/
Back Upward	518598/2592.99	QPSK	0.196	-2.42	1.146	0.225	1.6	/
Left	518598/2592.99	QPSK	0.083	1.52	1.146	0.095	1.6	/
ANT 4/Fold/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	518598/2592.99	QPSK	0.088	0.29	1.140	0.100	1.6	/
Back Upward	518598/2592.99	QPSK	0.026	-1.47	1.140	0.030	1.6	/
Left	518598/2592.99	QPSK	0.052	2.01	1.140	0.059	1.6	/
Top	518598/2592.99	QPSK	0.038	0.63	1.140	0.043	1.6	/
Front Upward	509202/2546.01	QPSK	0.095	0.17	1.156	0.110	1.6	/
Front Upward	528000/2640.0	QPSK	0.100	0.84	1.107	0.111	1.6	/
ANT 4/Fold/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	518598/2592.99	QPSK	0.069	-0.60	1.146	0.079	1.6	/
Back Upward	518598/2592.99	QPSK	0.019	-3.13	1.146	0.022	1.6	/
Left	518598/2592.99	QPSK	0.039	2.05	1.146	0.045	1.6	/
Top	518598/2592.99	QPSK	0.026	0.61	1.146	0.030	1.6	/
ANT 6/Unfold/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								



Front Upward	518598/2592.99	QPSK	0.072	-0.29	1.119	0.081	1.6	/
Back Upward	518598/2592.99	QPSK	0.087	-0.57	1.119	0.097	1.6	/
Left	518598/2592.99	QPSK	0.043	-2.13	1.119	0.048	1.6	/
Top	518598/2592.99	QPSK	0.221	-0.92	1.119	0.247	1.6	/
Top	509202/2546.01	QPSK	0.228	0.65	1.138	0.259	1.6	/
Top	528000/2640.0	QPSK	0.196	1.78	1.117	0.219	1.6	/
ANT 6/Unfold/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	518598/2592.99	QPSK	0.055	-1.23	1.064	0.059	1.6	/
Back Upward	518598/2592.99	QPSK	0.067	0.93	1.064	0.071	1.6	/
Left	518598/2592.99	QPSK	0.032	-2.04	1.064	0.034	1.6	/
Top	518598/2592.99	QPSK	0.173	-1.42	1.064	0.184	1.6	/
ANT 6/Fold/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	518598/2592.99	QPSK	0.106	1.18	1.119	0.119	1.6	/
Back Upward	518598/2592.99	QPSK	0.036	-0.13	1.119	0.040	1.6	/
Left	518598/2592.99	QPSK	0.070	0.63	1.119	0.078	1.6	/
Bottom	518598/2592.99	QPSK	0.125	2.16	1.119	0.140	1.6	/
Bottom	509202/2546.01	QPSK	0.117	-1.65	1.138	0.133	1.6	/
Bottom	528000/2640.0	QPSK	0.128	0.54	1.117	0.143	1.6	/
ANT 6/Fold/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	518598/2592.99	QPSK	0.081	-0.65	1.064	0.086	1.6	/
Back Upward	518598/2592.99	QPSK	0.028	-1.46	1.064	0.030	1.6	/
Left	518598/2592.99	QPSK	0.053	0.57	1.064	0.056	1.6	/
Bottom	518598/2592.99	QPSK	0.096	-0.92	1.064	0.102	1.6	/
ANT 8/Unfold/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	518598/2592.99	QPSK	0.348	0.42	1.081	0.376	1.6	/
Back Upward	518598/2592.99	QPSK	0.218	-0.90	1.081	0.236	1.6	/
Left	518598/2592.99	QPSK	0.583	-1.56	1.081	0.630	1.6	/
Top	518598/2592.99	QPSK	0.041	-0.82	1.081	0.044	1.6	/
Left	509202/2546.01	QPSK	0.572	0.56	1.122	0.642	1.6	/
Left	528000/2640.0	QPSK	0.628	1.16	1.109	0.696	1.6	30
ANT 8/Unfold/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	518598/2592.99	QPSK	0.264	-0.91	1.169	0.309	1.6	/
Back Upward	518598/2592.99	QPSK	0.167	2.18	1.169	0.195	1.6	/
Left	518598/2592.99	QPSK	0.445	-1.53	1.169	0.520	1.6	/



Top	518598/2592.99	QPSK	0.031	0.29	1.169	0.036	1.6	/
ANT 8/Fold/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	518598/2592.99	QPSK	0.110	-1.94	1.114	0.123	1.6	/
Back Upward	518598/2592.99	QPSK	0.097	-0.40	1.114	0.108	1.6	/
Left	518598/2592.99	QPSK	0.260	0.76	1.114	0.290	1.6	/
Bottom	518598/2592.99	QPSK	0.072	2.07	1.114	0.080	1.6	/
Left	509202/2546.01	QPSK	0.279	-0.18	1.140	0.318	1.6	/
Left	528000/2640.0	QPSK	0.340	0.32	1.148	0.390	1.6	/
ANT 8/Fold/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	518598/2592.99	QPSK	0.084	-0.10	1.151	0.097	1.6	/
Back Upward	518598/2592.99	QPSK	0.073	1.30	1.151	0.084	1.6	/
Left	518598/2592.99	QPSK	0.198	2.18	1.151	0.228	1.6	/
Bottom	518598/2592.99	QPSK	0.054	0.52	1.151	0.062	1.6	/



Results overview of 5G NR Band 77(3450-3550MHz), DFT-QPSK, 100MHz Bandwidth

Head(0mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 5/1RB#1, 30KHz SCS,DFT-s-OFDM/DSI 1 power								
Right Cheek	633334/3500.01	QPSK	0.218	0.38	1.146	0.250	1.6	/
Right Tilted	633334/3500.01	QPSK	0.147	-1.95	1.146	0.168	1.6	/
Left Cheek	633334/3500.01	QPSK	0.631	0.83	1.146	0.723	1.6	31
Left Tilted	633334/3500.01	QPSK	0.101	1.41	1.146	0.116	1.6	/
ANT 5/50%RB#0, 30KHz SCS,DFT-s-OFDM/DSI 1 power								
Right Cheek	633334/3500.01	QPSK	0.168	2.72	1.062	0.178	1.6	/
Right Tilted	633334/3500.01	QPSK	0.113	-0.44	1.062	0.120	1.6	/
Left Cheek	633334/3500.01	QPSK	0.483	0.81	1.062	0.513	1.6	/
Left Tilted	633334/3500.01	QPSK	0.078	-1.10	1.062	0.083	1.6	/
ANT 7/1RB#1, 30KHz SCS,DFT-s-OFDM/DSI 1 power								
Right Cheek	633334/3500.01	QPSK	0.582	1.01	1.138	0.662	1.6	/
Right Tilted	633334/3500.01	QPSK	0.406	-2.22	1.138	0.462	1.6	/
Left Cheek	633334/3500.01	QPSK	0.194	0.31	1.138	0.221	1.6	/
Left Tilted	633334/3500.01	QPSK	0.148	-0.19	1.138	0.168	1.6	/
ANT 7/50%RB#0, 30KHz SCS,DFT-s-OFDM/DSI 1 power								
Right Cheek	633334/3500.01	QPSK	0.445	-2.03	1.091	0.485	1.6	/
Right Tilted	633334/3500.01	QPSK	0.301	-0.77	1.091	0.328	1.6	/
Left Cheek	633334/3500.01	QPSK	0.161	1.51	1.091	0.176	1.6	/
Left Tilted	633334/3500.01	QPSK	0.112	-0.16	1.091	0.122	1.6	/
ANT 8/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Right Cheek	633334/3500.01	QPSK	0.205	0.72	1.178	0.241	1.6	/
Right Tilted	633334/3500.01	QPSK	0.043	-0.97	1.178	0.051	1.6	/
Left Cheek	633334/3500.01	QPSK	0.108	1.24	1.178	0.127	1.6	/
Left Tilted	633334/3500.01	QPSK	0.029	-1.41	1.178	0.034	1.6	/
ANT 8/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Right Cheek	633334/3500.01	QPSK	0.156	-1.76	1.159	0.181	1.6	/
Right Tilted	633334/3500.01	QPSK	0.033	-0.37	1.159	0.038	1.6	/
Left Cheek	633334/3500.01	QPSK	0.081	-2.09	1.159	0.094	1.6	/
Left Tilted	633334/3500.01	QPSK	0.022	-0.94	1.159	0.025	1.6	/



ANT 10/1RB#0/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Right Cheek	633334/3500.01	QPSK	0.032	-3.07	1.172	0.038	1.6	/
Right Tilted	633334/3500.01	QPSK	0.027	-1.97	1.172	0.032	1.6	/
Left Cheek	633334/3500.01	QPSK	0.030	2.71	1.172	0.035	1.6	/
Left Tilted	633334/3500.01	QPSK	0.024	2.53	1.172	0.028	1.6	/
ANT 10/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Right Cheek	633334/3500.01	QPSK	0.024	0.90	1.178	0.028	1.6	/
Right Tilted	633334/3500.01	QPSK	0.018	-1.55	1.178	0.021	1.6	/
Left Cheek	633334/3500.01	QPSK	0.022	-2.03	1.178	0.026	1.6	/
Left Tilted	633334/3500.01	QPSK	0.016	0.61	1.178	0.019	1.6	/
Body & Hotspot (10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 5/Unfold/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.075	1.62	1.146	0.086	1.6	/
Back Upward	633334/3500.01	QPSK	0.234	-0.89	1.146	0.268	1.6	32
Left	633334/3500.01	QPSK	0.159	0.34	1.146	0.182	1.6	/
ANT 5/Unfold/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.065	-0.33	1.172	0.076	1.6	/
Back Upward	633334/3500.01	QPSK	0.179	1.95	1.172	0.210	1.6	/
Left	633334/3500.01	QPSK	0.123	-0.65	1.172	0.144	1.6	/
ANT 5/Fold/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.193	-0.45	1.146	0.221	1.6	/
Back Upward	633334/3500.01	QPSK	0.043	-3.25	1.146	0.049	1.6	/
Left	633334/3500.01	QPSK	0.140	-0.27	1.146	0.160	1.6	/
Top	633334/3500.01	QPSK	0.061	1.97	1.146	0.070	1.6	/
ANT 5/Fold/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.132	0.55	1.062	0.140	1.6	/
Back Upward	633334/3500.01	QPSK	0.032	1.63	1.062	0.034	1.6	/
Left	633334/3500.01	QPSK	0.104	-2.10	1.062	0.110	1.6	/
Top	633334/3500.01	QPSK	0.046	0.42	1.062	0.049	1.6	/
ANT 7/Unfold/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.174	-0.66	1.138	0.198	1.6	/
Back Upward	633334/3500.01	QPSK	0.186	-3.53	1.138	0.212	1.6	/



Left	633334/3500.01	QPSK	0.054	-2.43	1.138	0.061	1.6	/
Top	633334/3500.01	QPSK	0.162	2.10	1.138	0.184	1.6	/
ANT 7/Unfold/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.096	1.49	1.091	0.105	1.6	/
Back Upward	633334/3500.01	QPSK	0.142	2.23	1.091	0.155	1.6	/
Left	633334/3500.01	QPSK	0.041	0.71	1.091	0.045	1.6	/
Top	633334/3500.01	QPSK	0.123	-0.24	1.091	0.134	1.6	/
ANT 7/Fold/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.080	-0.91	1.138	0.091	1.6	/
Back Upward	633334/3500.01	QPSK	0.032	-2.22	1.138	0.036	1.6	/
Left	633334/3500.01	QPSK	0.044	0.60	1.138	0.050	1.6	/
Bottom	633334/3500.01	QPSK	0.068	-0.83	1.138	0.077	1.6	/
ANT 7/Fold/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.073	-0.91	1.091	0.080	1.6	/
Back Upward	633334/3500.01	QPSK	0.025	1.57	1.091	0.027	1.6	/
Left	633334/3500.01	QPSK	0.033	2.12	1.091	0.036	1.6	/
Bottom	633334/3500.01	QPSK	0.043	-0.23	1.091	0.047	1.6	/
ANT 8/Unfold/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.043	-0.69	1.178	0.051	1.6	/
Back Upward	633334/3500.01	QPSK	0.075	-2.08	1.178	0.088	1.6	/
Left	633334/3500.01	QPSK	0.114	1.41	1.178	0.134	1.6	/
Top	633334/3500.01	QPSK	0.019	-0.53	1.178	0.022	1.6	/
ANT 8/Unfold/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.033	-0.24	1.159	0.038	1.6	/
Back Upward	633334/3500.01	QPSK	0.059	1.33	1.159	0.068	1.6	/
Left	633334/3500.01	QPSK	0.087	-0.41	1.159	0.101	1.6	/
Top	633334/3500.01	QPSK	0.014	0.76	1.159	0.016	1.6	/
ANT 8/Fold/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.065	1.84	1.178	0.077	1.6	/
Back Upward	633334/3500.01	QPSK	0.044	2.27	1.178	0.052	1.6	/
Left	633334/3500.01	QPSK	0.086	-0.69	1.178	0.101	1.6	/
Bottom	633334/3500.01	QPSK	0.021	1.13	1.178	0.025	1.6	/
ANT 8/Fold/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.049	-1.40	1.159	0.057	1.6	/



Back Upward	633334/3500.01	QPSK	0.033	0.21	1.159	0.038	1.6	/
Left	633334/3500.01	QPSK	0.065	-1.45	1.159	0.075	1.6	/
Bottom	633334/3500.01	QPSK	0.016	-0.84	1.159	0.019	1.6	/
ANT 10/Unfold/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.078	-0.57	1.172	0.091	1.6	/
Back Upward	633334/3500.01	QPSK	0.174	-2.23	1.172	0.204	1.6	/
Left	633334/3500.01	QPSK	0.125	0.68	1.172	0.147	1.6	/
Top	633334/3500.01	QPSK	0.110	-3.31	1.172	0.129	1.6	/
ANT 10/Unfold/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.024	-0.10	1.178	0.028	1.6	/
Back Upward	633334/3500.01	QPSK	0.133	1.34	1.178	0.157	1.6	/
Left	633334/3500.01	QPSK	0.097	0.59	1.178	0.114	1.6	/
Top	633334/3500.01	QPSK	0.084	-1.66	1.178	0.099	1.6	/
ANT 10/Fold/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.151	0.40	1.172	0.028	1.6	/
Back Upward	633334/3500.01	QPSK	0.064	0.29	1.172	0.157	1.6	/
Left	633334/3500.01	QPSK	0.117	-2.61	1.172	0.114	1.6	/
Bottom	633334/3500.01	QPSK	0.101	1.79	1.172	0.099	1.6	/
ANT 10/Fold/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.134	-2.01	1.178	0.158	1.6	/
Back Upward	633334/3500.01	QPSK	0.049	1.24	1.178	0.058	1.6	/
Left	633334/3500.01	QPSK	0.088	0.40	1.178	0.104	1.6	/
Bottom	633334/3500.01	QPSK	0.076	-1.76	1.178	0.090	1.6	/



Results overview of 5G NR Band 78(3450-3550MHz), DFT-QPSK, 100MHz Bandwidth

Head(0mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 5/1RB#1, 30KHz SCS,DFT-s-OFDM/DSI 1 power								
Right Cheek	633334/3500.01	QPSK	0.213	-0.87	1.117	0.238	1.6	/
Right Tilted	633334/3500.01	QPSK	0.140	-2.41	1.117	0.156	1.6	/
Left Cheek	633334/3500.01	QPSK	0.621	0.28	1.117	0.694	1.6	33
Left Tilted	633334/3500.01	QPSK	0.098	1.05	1.117	0.109	1.6	/
ANT 5/50%RB#0, 30KHz SCS,DFT-s-OFDM/DSI 1 power								
Right Cheek	633334/3500.01	QPSK	0.161	2.17	1.089	0.175	1.6	/
Right Tilted	633334/3500.01	QPSK	0.107	-0.81	1.089	0.117	1.6	/
Left Cheek	633334/3500.01	QPSK	0.463	-0.45	1.089	0.504	1.6	/
Left Tilted	633334/3500.01	QPSK	0.074	1.51	1.089	0.081	1.6	/
ANT 7/1RB#1, 30KHz SCS,DFT-s-OFDM/DSI 1 power								
Right Cheek	633334/3500.01	QPSK	0.579	1.43	1.148	0.665	1.6	/
Right Tilted	633334/3500.01	QPSK	0.393	0.39	1.148	0.451	1.6	/
Left Cheek	633334/3500.01	QPSK	0.229	-0.78	1.148	0.263	1.6	/
Left Tilted	633334/3500.01	QPSK	0.143	-2.57	1.148	0.164	1.6	/
ANT 7/50%RB#0, 30KHz SCS,DFT-s-OFDM/DSI 1 power								
Right Cheek	633334/3500.01	QPSK	0.435	-1.61	1.151	0.501	1.6	/
Right Tilted	633334/3500.01	QPSK	0.297	0.84	1.151	0.342	1.6	/
Left Cheek	633334/3500.01	QPSK	0.188	2.13	1.151	0.216	1.6	/
Left Tilted	633334/3500.01	QPSK	0.110	-1.15	1.151	0.127	1.6	/
ANT 8/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Right Cheek	633334/3500.01	QPSK	0.295	-0.88	1.117	0.330	1.6	/
Right Tilted	633334/3500.01	QPSK	0.117	-3.39	1.117	0.131	1.6	/
Left Cheek	633334/3500.01	QPSK	0.056	1.17	1.117	0.063	1.6	/
Left Tilted	633334/3500.01	QPSK	0.079	0.74	1.117	0.088	1.6	/
ANT 8/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Right Cheek	633334/3500.01	QPSK	0.224	-1.15	1.186	0.266	1.6	/
Right Tilted	633334/3500.01	QPSK	0.090	0.54	1.186	0.107	1.6	/
Left Cheek	633334/3500.01	QPSK	0.043	0.37	1.186	0.051	1.6	/



Left Tilted	633334/3500.01	QPSK	0.061	1.06	1.186	0.072	1.6	/
ANT 10/1RB#0/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Right Cheek	633334/3500.01	QPSK	0.035	2.02	1.099	0.038	1.6	/
Right Tilted	633334/3500.01	QPSK	0.030	1.75	1.099	0.033	1.6	/
Left Cheek	633334/3500.01	QPSK	0.035	-0.39	1.099	0.038	1.6	/
Left Tilted	633334/3500.01	QPSK	0.026	1.92	1.099	0.029	1.6	/
ANT 10/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Right Cheek	633334/3500.01	QPSK	0.024	-2.04	1.138	0.027	1.6	/
Right Tilted	633334/3500.01	QPSK	0.023	-0.53	1.138	0.026	1.6	/
Left Cheek	633334/3500.01	QPSK	0.027	0.42	1.138	0.031	1.6	/
Left Tilted	633334/3500.01	QPSK	0.020	1.14	1.138	0.023	1.6	/
Body & Hotspot (10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 5/Unfold/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.029	1.02	1.125	0.033	1.6	/
Back Upward	633334/3500.01	QPSK	0.161	0.46	1.125	0.181	1.6	/
Left	633334/3500.01	QPSK	0.109	-1.91	1.125	0.123	1.6	/
ANT 5/Unfold/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.032	0.85	1.172	0.038	1.6	/
Back Upward	633334/3500.01	QPSK	0.122	-1.05	1.172	0.143	1.6	/
Left	633334/3500.01	QPSK	0.083	0.23	1.172	0.097	1.6	/
ANT 5/Fold/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.205	2.58	1.125	0.231	1.6	34
Back Upward	633334/3500.01	QPSK	0.046	1.17	1.125	0.052	1.6	/
Left	633334/3500.01	QPSK	0.148	-3.87	1.125	0.167	1.6	/
Top	633334/3500.01	QPSK	0.065	-2.28	1.125	0.073	1.6	/
ANT 5/Fold/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.147	1.45	1.172	0.172	1.6	/
Back Upward	633334/3500.01	QPSK	0.035	0.71	1.172	0.041	1.6	/
Left	633334/3500.01	QPSK	0.112	1.67	1.172	0.131	1.6	/
Top	633334/3500.01	QPSK	0.049	-0.25	1.172	0.057	1.6	/
ANT 7/Unfold/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.079	-1.39	1.143	0.090	1.6	/



Back Upward	633334/3500.01	QPSK	0.084	2.15	1.143	0.096	1.6	/
Left	633334/3500.01	QPSK	0.024	0.15	1.143	0.027	1.6	/
Top	633334/3500.01	QPSK	0.073	1.09	1.143	0.083	1.6	/
ANT 7/Unfold/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.055	2.15	1.161	0.064	1.6	/
Back Upward	633334/3500.01	QPSK	0.062	1.39	1.161	0.072	1.6	/
Left	633334/3500.01	QPSK	0.018	0.86	1.161	0.021	1.6	/
Top	633334/3500.01	QPSK	0.053	1.03	1.161	0.062	1.6	/
ANT 7/Fold/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.053	0.60	1.143	0.061	1.6	/
Back Upward	633334/3500.01	QPSK	0.021	-1.02	1.143	0.024	1.6	/
Left	633334/3500.01	QPSK	0.029	-2.02	1.143	0.033	1.6	/
Bottom	633334/3500.01	QPSK	0.045	2.15	1.143	0.051	1.6	/
ANT 7/Fold/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.037	1.40	1.161	0.043	1.6	/
Back Upward	633334/3500.01	QPSK	0.017	-2.16	1.161	0.020	1.6	/
Left	633334/3500.01	QPSK	0.023	0.32	1.161	0.027	1.6	/
Bottom	633334/3500.01	QPSK	0.034	-0.63	1.161	0.039	1.6	/
ANT 8/Unfold/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.040	-1.56	1.117	0.045	1.6	/
Back Upward	633334/3500.01	QPSK	0.070	0.79	1.117	0.078	1.6	/
Left	633334/3500.01	QPSK	0.107	0.94	1.117	0.120	1.6	/
Top	633334/3500.01	QPSK	0.018	-2.26	1.117	0.020	1.6	/
ANT 8/Unfold/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.030	-1.68	1.186	0.036	1.6	/
Back Upward	633334/3500.01	QPSK	0.053	-0.31	1.186	0.063	1.6	/
Left	633334/3500.01	QPSK	0.081	0.81	1.186	0.096	1.6	/
Top	633334/3500.01	QPSK	0.014	0.74	1.186	0.017	1.6	/
ANT 8/Fold/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.065	2.84	1.117	0.073	1.6	/
Back Upward	633334/3500.01	QPSK	0.044	0.27	1.117	0.049	1.6	/
Left	633334/3500.01	QPSK	0.088	-0.69	1.117	0.098	1.6	/
Bottom	633334/3500.01	QPSK	0.021	2.13	1.117	0.023	1.6	/
ANT 8/Fold/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								



Front Upward	633334/3500.01	QPSK	0.049	-2.02	1.186	0.058	1.6	/
Back Upward	633334/3500.01	QPSK	0.034	-0.36	1.186	0.040	1.6	/
Left	633334/3500.01	QPSK	0.068	1.04	1.186	0.081	1.6	/
Bottom	633334/3500.01	QPSK	0.016	-1.31	1.186	0.019	1.6	/
ANT 10/Unfold/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.081	-2.31	1.099	0.089	1.6	/
Back Upward	633334/3500.01	QPSK	0.179	0.45	1.099	0.197	1.6	/
Left	633334/3500.01	QPSK	0.119	1.12	1.099	0.131	1.6	/
Top	633334/3500.01	QPSK	0.114	-0.86	1.099	0.125	1.6	/
ANT 10/Unfold/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.059	-0.69	1.138	0.067	1.6	/
Back Upward	633334/3500.01	QPSK	0.135	-1.62	1.138	0.154	1.6	/
Left	633334/3500.01	QPSK	0.090	2.06	1.138	0.102	1.6	/
Top	633334/3500.01	QPSK	0.086	-0.14	1.138	0.098	1.6	/
ANT 10/Fold/1RB#1, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.074	-0.82	1.099	0.081	1.6	/
Back Upward	633334/3500.01	QPSK	0.031	2.01	1.099	0.034	1.6	/
Left	633334/3500.01	QPSK	0.056	1.43	1.099	0.062	1.6	/
Bottom	633334/3500.01	QPSK	0.054	-2.70	1.099	0.059	1.6	/
ANT 10/Fold/50%RB#0, 30KHz SCS,DFT-s-OFDM/Full power								
Front Upward	633334/3500.01	QPSK	0.055	-1.91	1.138	0.063	1.6	/
Back Upward	633334/3500.01	QPSK	0.024	-0.18	1.138	0.027	1.6	/
Left	633334/3500.01	QPSK	0.043	-1.63	1.138	0.049	1.6	/
Bottom	633334/3500.01	QPSK	0.041	-0.67	1.138	0.047	1.6	/



Results overview of WI-FI 2.4G

Head(0mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 12/Full Power								
Right Cheek	6/2437.0	802.11b	0.207	1.18	1.119	0.232	1.6	/
Right Tilted	6/2437.0	802.11b	0.215	-0.49	1.119	0.241	1.6	/
Left Cheek	6/2437.0	802.11b	0.320	0.76	1.119	0.358	1.6	/
Left Tilted	6/2437.0	802.11b	0.334	2.12	1.119	0.374	1.6	/
Left Tilted	1/2412.0	802.11b	0.316	-0.82	1.102	0.348	1.6	/
Left Tilted	11/2462.0	802.11b	0.382	-0.36	1.074	0.410	1.6	/
ANT 12/DSI 4 Power								
Right Cheek	6/2437.0	802.11b	0.129	-0.97	1.148	0.148	1.6	/
Right Tilted	6/2437.0	802.11b	0.137	2.58	1.148	0.157	1.6	/
Left Cheek	6/2437.0	802.11b	0.202	-1.16	1.148	0.232	1.6	/
Left Tilted	6/2437.0	802.11b	0.219	-0.43	1.148	0.251	1.6	/
Left Tilted	1/2412.0	802.11b	0.194	2.92	1.119	0.217	1.6	/
Left Tilted	11/2462.0	802.11b	0.240	-1.57	1.107	0.266	1.6	/
ANT 13/Full Power								
Right Cheek	6/2437.0	802.11b	0.322	0.53	1.104	0.355	1.6	/
Right Tilted	6/2437.0	802.11b	0.147	-0.42	1.104	0.162	1.6	/
Left Cheek	6/2437.0	802.11b	0.601	-2.34	1.104	0.664	1.6	/
Left Tilted	6/2437.0	802.11b	0.365	-0.92	1.104	0.403	1.6	/
Left Cheek	1/2412.0	802.11b	0.649	-1.37	1.104	0.716	1.6	35
Left Cheek	11/2462.0	802.11b	0.566	0.45	1.161	0.657	1.6	/
ANT 13/DSI 4 Power								
Right Cheek	6/2437.0	802.11b	0.123	-0.70	1.067	0.131	1.6	/
Right Tilted	6/2437.0	802.11b	0.056	-2.04	1.067	0.060	1.6	/
Left Cheek	6/2437.0	802.11b	0.245	0.15	1.067	0.261	1.6	/
Left Tilted	6/2437.0	802.11b	0.142	-0.39	1.067	0.152	1.6	/
Left Cheek	1/2412.0	802.11b	0.231	-0.67	1.094	0.253	1.6	/
Left Cheek	11/2462.0	802.11b	0.209	-1.48	1.175	0.246	1.6	/
MIMO ANT 12+13/Full Power								
Right Cheek	6/2437.0	802.11n20	0.105	-0.45	1.180	0.124	1.6	/



Right Tilted	6/2437.0	802.11n20	0.102	2.24	1.180	0.120	1.6	/
Left Cheek	6/2437.0	802.11n20	0.233	0.59	1.180	0.275	1.6	/
Left Tilted	6/2437.0	802.11n20	0.174	-0.30	1.180	0.205	1.6	/
Left Cheek	1/2412.0	802.11n20	0.215	1.72	1.072	0.230	1.6	/
Left Cheek	11/2462.0	802.11n20	0.221	0.15	1.172	0.259	1.6	/
MIMO ANT 12+13/DSI 4 Power								
Right Cheek	6/2437.0	802.11n20	0.081	1.21	1.079	0.087	1.6	/
Right Tilted	6/2437.0	802.11n20	0.078	2.06	1.079	0.084	1.6	/
Left Cheek	6/2437.0	802.11n20	0.161	-1.05	1.079	0.174	1.6	/
Left Tilted	6/2437.0	802.11n20	0.135	0.76	1.079	0.146	1.6	/
Left Cheek	1/2412.0	802.11n20	0.167	-2.18	1.140	0.190	1.6	/
Left Cheek	11/2462.0	802.11n20	0.180	-1.37	1.114	0.201	1.6	/
Body & Hotspot (10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 12 Unfold/Full Power								
Front Upward	6/2437.0	802.11b	0.070	2.27	1.119	0.078	1.6	/
Back Upward	6/2437.0	802.11b	0.109	-0.31	1.119	0.122	1.6	/
Right	6/2437.0	802.11b	0.018	-2.47	1.119	0.020	1.6	/
Top	6/2437.0	802.11b	0.157	-0.85	1.119	0.176	1.6	/
Top	1/2412.0	802.11b	0.143	-1.63	1.102	0.158	1.6	/
Top	11/2462.0	802.11b	0.170	1.49	1.074	0.183	1.6	/
ANT 12 Unfold/DSI 4 Power								
Front Upward	6/2437.0	802.11b	0.040	2.05	1.148	0.046	1.6	/
Back Upward	6/2437.0	802.11b	0.062	1.73	1.148	0.071	1.6	/
Right	6/2437.0	802.11b	0.010	-0.64	1.148	0.011	1.6	/
Top	6/2437.0	802.11b	0.090	-2.52	1.148	0.103	1.6	/
Top	1/2412.0	802.11b	0.081	1.10	1.119	0.091	1.6	/
Top	11/2462.0	802.11b	0.095	-1.32	1.107	0.105	1.6	/
ANT 12 Fold/Full Power								
Front Upward	6/2437.0	802.11b	0.046	0.88	1.119	0.051	1.6	/
Back Upward	6/2437.0	802.11b	0.017	-2.01	1.119	0.019	1.6	/
Right	6/2437.0	802.11b	0.009	0.39	1.119	0.010	1.6	/
Bottom	6/2437.0	802.11b	0.075	-1.42	1.119	0.084	1.6	/
Bottom	1/2412.0	802.11b	0.089	0.82	1.102	0.098	1.6	/



Bottom	11/2462.0	802.11b	0.078	1.04	1.074	0.084	1.6	/
ANT 12 Fold/DSI 4 Power								
Front Upward	6/2437.0	802.11b	0.032	0.93	1.148	0.037	1.6	/
Back Upward	6/2437.0	802.11b	0.010	-2.36	1.148	0.011	1.6	/
Right	6/2437.0	802.11b	0.008	0.67	1.148	0.009	1.6	/
Bottom	6/2437.0	802.11b	0.040	0.50	1.148	0.046	1.6	/
Bottom	1/2412.0	802.11b	0.042	-0.61	1.119	0.047	1.6	/
Bottom	11/2462.0	802.11b	0.039	1.14	1.107	0.043	1.6	/
ANT 13 Unfold/Full Power								
Front Upward	6/2437.0	802.11b	0.183	0.58	1.104	0.202	1.6	/
Back Upward	6/2437.0	802.11b	0.317	-3.05	1.104	0.350	1.6	/
Right	6/2437.0	802.11b	0.390	-0.84	1.104	0.431	1.6	36
Top	6/2437.0	802.11b	0.066	-1.71	1.104	0.073	1.6	/
Right	1/2412.0	802.11b	0.355	-0.90	1.104	0.392	1.6	/
Right	11/2462.0	802.11b	0.347	1.54	1.161	0.403	1.6	/
ANT 13 Unfold/DSI 4 Power								
Front Upward	6/2437.0	802.11b	0.051	0.83	1.067	0.054	1.6	/
Back Upward	6/2437.0	802.11b	0.093	-2.10	1.067	0.099	1.6	/
Right	6/2437.0	802.11b	0.113	0.50	1.067	0.121	1.6	/
Top	6/2437.0	802.11b	0.018	1.37	1.067	0.019	1.6	/
Right	1/2412.0	802.11b	0.096	-0.75	1.094	0.105	1.6	/
Right	11/2462.0	802.11b	0.090	1.73	1.175	0.106	1.6	/
ANT 13 Fold/Full Power								
Front Upward	6/2437.0	802.11b	0.303	-1.20	1.104	0.335	1.6	/
Back Upward	6/2437.0	802.11b	0.073	-2.57	1.104	0.081	1.6	/
Right	6/2437.0	802.11b	0.307	-0.82	1.104	0.339	1.6	/
Bottom	6/2437.0	802.11b	0.057	-2.07	1.104	0.063	1.6	/
Right	1/2412.0	802.11b	0.289	-0.23	1.104	0.319	1.6	/
Right	11/2462.0	802.11b	0.314	1.45	1.161	0.365	1.6	/
ANT 13 Fold/DSI 4 Power								
Front Upward	6/2437.0	802.11b	0.062	0.85	1.067	0.066	1.6	/
Back Upward	6/2437.0	802.11b	0.016	-1.97	1.067	0.017	1.6	/
Right	6/2437.0	802.11b	0.068	1.50	1.067	0.073	1.6	/
Bottom	6/2437.0	802.11b	0.012	-0.82	1.067	0.013	1.6	/



Right	1/2412.0	802.11b	0.061	0.62	1.094	0.067	1.6	/
Right	11/2462.0	802.11b	0.066	0.49	1.175	0.078	1.6	/
MIMO ANT 12+13 Unfold/Full Power								
Front Upward	6/2437.0	802.11n20	0.097	-1.26	1.180	0.114	1.6	/
Back Upward	6/2437.0	802.11n20	0.119	0.28	1.180	0.140	1.6	/
Right	6/2437.0	802.11n20	0.138	0.96	1.180	0.163	1.6	/
Top	6/2437.0	802.11n20	0.122	-2.95	1.180	0.144	1.6	/
Right	1/2412.0	802.11n20	0.125	1.35	1.072	0.134	1.6	/
Right	11/2462.0	802.11n20	0.130	-2.44	1.172	0.152	1.6	/
MIMO ANT 12+13 Unfold/DSI 4 Power								
Front Upward	6/2437.0	802.11n20	0.060	-1.26	1.079	0.065	1.6	/
Back Upward	6/2437.0	802.11n20	0.073	-0.92	1.079	0.079	1.6	/
Right	6/2437.0	802.11n20	0.080	0.23	1.079	0.086	1.6	/
Top	6/2437.0	802.11n20	0.076	0.41	1.079	0.082	1.6	/
Right	1/2412.0	802.11n20	0.078	2.72	1.140	0.089	1.6	/
Right	11/2462.0	802.11n20	0.087	1.47	1.114	0.097	1.6	/
MIMO ANT 12+13 Fold/Full Power								
Front Upward	6/2437.0	802.11n20	0.089	-1.39	1.180	0.105	1.6	/
Back Upward	6/2437.0	802.11n20	0.039	-2.25	1.180	0.046	1.6	/
Right	6/2437.0	802.11n20	0.100	1.13	1.180	0.118	1.6	/
Bottom	6/2437.0	802.11n20	0.067	0.49	1.180	0.079	1.6	/
Right	1/2412.0	802.11n20	0.092	-0.88	1.072	0.099	1.6	/
Right	11/2462.0	802.11n20	0.085	1.47	1.172	0.100	1.6	/
MIMO ANT 12+13 Fold/DSI 4 Power								
Front Upward	6/2437.0	802.11n20	0.072	-1.99	1.079	0.078	1.6	/
Back Upward	6/2437.0	802.11n20	0.027	0.44	1.079	0.029	1.6	/
Right	6/2437.0	802.11n20	0.078	-0.91	1.079	0.084	1.6	/
Bottom	6/2437.0	802.11n20	0.060	-1.65	1.079	0.065	1.6	/
Right	1/2412.0	802.11n20	0.079	-2.08	1.140	0.090	1.6	/
Right	11/2462.0	802.11n20	0.074	-1.72	1.114	0.082	1.6	/



Results overview of WI-FI U-NII 1

Head(0mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 11/Full Power								
Right Cheek	44/5220.0	802.11a	0.304	0.37	1.094	0.333	1.6	/
Right Tilted	44/5220.0	802.11a	0.264	-0.75	1.094	0.289	1.6	/
Left Cheek	44/5220.0	802.11a	0.361	1.57	1.094	0.395	1.6	/
Left Tilted	44/5220.0	802.11a	0.334	-0.83	1.094	0.365	1.6	/
Left Cheek	36/5180.0	802.11a	0.354	1.52	1.114	0.394	1.6	/
Left Cheek	48/5240.0	802.11a	0.391	0.09	1.164	0.455	1.6	/
ANT 11/DSI 4 Power								
Right Cheek	44/5220.0	802.11a	0.209	0.79	1.099	0.230	1.6	/
Right Tilted	44/5220.0	802.11a	0.181	-2.52	1.099	0.199	1.6	/
Left Cheek	44/5220.0	802.11a	0.247	0.29	1.099	0.271	1.6	/
Left Tilted	44/5220.0	802.11a	0.234	-1.13	1.099	0.257	1.6	/
Left Cheek	36/5180.0	802.11a	0.242	0.61	1.089	0.264	1.6	/
Left Cheek	48/5240.0	802.11a	0.270	1.64	1.159	0.313	1.6	/
ANT 13/Full Power								
Right Cheek	44/5220.0	802.11a	0.258	-1.17	1.107	0.286	1.6	/
Right Tilted	44/5220.0	802.11a	0.203	0.93	1.107	0.225	1.6	/
Left Cheek	44/5220.0	802.11a	0.424	-0.66	1.107	0.469	1.6	/
Left Tilted	44/5220.0	802.11a	0.301	0.15	1.107	0.333	1.6	/
Left Cheek	36/5180.0	802.11a	0.460	1.00	1.059	0.487	1.6	/
Left Cheek	48/5240.0	802.11a	0.443	-0.85	1.109	0.491	1.6	/
ANT 13/DSI 4 Power								
Right Cheek	44/5220.0	802.11a	0.177	-0.64	1.153	0.204	1.6	/
Right Tilted	44/5220.0	802.11a	0.140	1.32	1.153	0.161	1.6	/
Left Cheek	44/5220.0	802.11a	0.284	-0.67	1.153	0.327	1.6	/
Left Tilted	44/5220.0	802.11a	0.208	0.59	1.153	0.240	1.6	/
Left Cheek	36/5180.0	802.11a	0.266	-0.93	1.094	0.291	1.6	/
Left Cheek	48/5240.0	802.11a	0.306	0.48	1.072	0.328	1.6	/
MIMO ANT 11+13/Full Power								
Right Cheek	44/5220.0	802.11n20	0.300	-1.41	1.094	0.328	1.6	/



Right Tilted	44/5220.0	802.11n20	0.236	0.30	1.094	0.258	1.6	/
Left Cheek	44/5220.0	802.11n20	0.480	0.98	1.094	0.525	1.6	37
Left Tilted	44/5220.0	802.11n20	0.391	-0.51	1.094	0.428	1.6	/
Left Cheek	36/5180.0	802.11n20	0.422	-0.54	1.114	0.470	1.6	/
Left Cheek	48/5240.0	802.11n20	0.439	1.49	1.164	0.511	1.6	/
MIMO ANT 11+13/DSI 4 Power								
Right Cheek	44/5220.0	802.11n20	0.215	1.15	1.135	0.244	1.6	/
Right Tilted	44/5220.0	802.11n20	0.169	0.81	1.135	0.192	1.6	/
Left Cheek	44/5220.0	802.11n20	0.346	-1.19	1.135	0.393	1.6	/
Left Tilted	44/5220.0	802.11n20	0.280	-0.10	1.135	0.318	1.6	/
Left Cheek	36/5180.0	802.11n20	0.303	1.28	1.062	0.322	1.6	/
Left Cheek	48/5240.0	802.11n20	0.318	0.42	1.112	0.354	1.6	/
Body & Hotspot (10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 11 Unfold/Full Power								
Front Upward	44/5220.0	802.11a	0.265	0.79	1.094	0.290	1.6	/
Back Upward	44/5220.0	802.11a	0.295	-2.22	1.094	0.323	1.6	/
Right	44/5220.0	802.11a	0.070	-1.34	1.094	0.077	1.6	/
Top	44/5220.0	802.11a	0.208	-1.01	1.094	0.228	1.6	/
Back Upward	36/5180.0	802.11a	0.284	2.06	1.114	0.316	1.6	/
Back Upward	48/5240.0	802.11a	0.330	1.19	1.164	0.384	1.6	/
ANT 11 Unfold/DSI 4 Power								
Front Upward	44/5220.0	802.11a	0.214	-2.05	1.099	0.235	1.6	/
Back Upward	44/5220.0	802.11a	0.238	-0.68	1.099	0.262	1.6	/
Right	44/5220.0	802.11a	0.056	-1.33	1.099	0.062	1.6	/
Top	44/5220.0	802.11a	0.168	2.15	1.099	0.185	1.6	/
Back Upward	36/5180.0	802.11a	0.232	-0.59	1.089	0.253	1.6	/
Back Upward	48/5240.0	802.11a	0.269	0.33	1.159	0.312	1.6	/
ANT 11 Fold/Full Power								
Front Upward	44/5220.0	802.11a	0.183	0.51	1.094	0.200	1.6	/
Back Upward	44/5220.0	802.11a	0.035	2.77	1.094	0.038	1.6	/
Right	44/5220.0	802.11a	0.043	-0.66	1.094	0.047	1.6	/
Bottom	44/5220.0	802.11a	0.105	1.93	1.094	0.115	1.6	/
Front Upward	36/5180.0	802.11a	0.165	0.47	1.114	0.184	1.6	/



Front Upward	48/5240.0	802.11a	0.156	-0.52	1.164	0.182	1.6	/
ANT 11 Fold/DSI 4 Power								
Front Upward	44/5220.0	802.11a	0.152	-0.65	1.099	0.167	1.6	/
Back Upward	44/5220.0	802.11a	0.029	1.40	1.099	0.032	1.6	/
Right	44/5220.0	802.11a	0.036	0.96	1.099	0.040	1.6	/
Bottom	44/5220.0	802.11a	0.087	-2.26	1.099	0.096	1.6	/
Front Upward	36/5180.0	802.11a	0.138	-0.53	1.089	0.150	1.6	/
Front Upward	48/5240.0	802.11a	0.130	1.26	1.159	0.151	1.6	/
ANT 13 Unfold/Full Power								
Front Upward	44/5220.0	802.11a	0.512	1.06	1.107	0.567	1.6	/
Back Upward	44/5220.0	802.11a	1.073	-0.49	1.107	1.188	1.6	/
Right	44/5220.0	802.11a	0.314	-0.04	1.107	0.348	1.6	/
Top	44/5220.0	802.11a	0.452	-0.97	1.107	0.500	1.6	/
Back Upward	36/5180.0	802.11a	1.114	-1.72	1.059	1.180	1.6	38
Back Upward	48/5240.0	802.11a	1.022	-1.31	1.109	1.133	1.6	/
ANT 13 Unfold/DSI 4 Power								
Front Upward	44/5220.0	802.11a	0.251	0.56	1.153	0.289	1.6	/
Back Upward	44/5220.0	802.11a	0.516	-2.89	1.153	0.595	1.6	/
Right	44/5220.0	802.11a	0.151	-1.67	1.153	0.174	1.6	/
Top	44/5220.0	802.11a	0.225	-0.19	1.153	0.259	1.6	/
Back Upward	36/5180.0	802.11a	0.544	0.26	1.094	0.595	1.6	/
Back Upward	48/5240.0	802.11a	0.496	-1.76	1.072	0.532	1.6	/
ANT 13 Fold/Full Power								
Front Upward	44/5220.0	802.11a	0.946	-0.14	1.107	1.047	1.6	/
Back Upward	44/5220.0	802.11a	0.096	1.09	1.107	0.106	1.6	/
Right	44/5220.0	802.11a	0.184	0.35	1.107	0.204	1.6	/
Bottom	44/5220.0	802.11a	0.327	0.70	1.107	0.362	1.6	/
Front Upward	36/5180.0	802.11a	0.990	1.54	1.059	1.048	1.6	/
Front Upward	48/5240.0	802.11a	1.025	-1.43	1.109	1.137	1.6	/
ANT 13 Fold/DSI 4 Power								
Front Upward	44/5220.0	802.11a	0.482	1.70	1.153	0.556	1.6	/
Back Upward	44/5220.0	802.11a	0.049	2.50	1.153	0.056	1.6	/
Right	44/5220.0	802.11a	0.093	0.58	1.153	0.107	1.6	/
Bottom	44/5220.0	802.11a	0.169	0.22	1.153	0.195	1.6	/



Front Upward	36/5180.0	802.11a	0.520	1.49	1.094	0.569	1.6	/
Front Upward	48/5240.0	802.11a	0.515	-1.41	1.072	0.552	1.6	/
MIMO ANT 11+13 Unfold/Full Power								
Front Upward	44/5220.0	802.11n20	0.366	-0.98	1.094	0.400	1.6	/
Back Upward	44/5220.0	802.11n20	0.730	-1.02	1.094	0.799	1.6	/
Right	44/5220.0	802.11n20	0.161	0.43	1.094	0.176	1.6	/
Top	44/5220.0	802.11n20	0.430	1.29	1.094	0.470	1.6	/
Back Upward	36/5180.0	802.11n20	0.792	-0.86	1.114	0.882	1.6	/
Back Upward	48/5240.0	802.11n20	0.702	1.41	1.164	0.817	1.6	/
MIMO ANT 11+13 Unfold/DSI 4 Power								
Front Upward	44/5220.0	802.11n20	0.291	-1.24	1.135	0.330	1.6	/
Back Upward	44/5220.0	802.11n20	0.554	-0.56	1.135	0.629	1.6	/
Right	44/5220.0	802.11n20	0.135	1.08	1.135	0.153	1.6	/
Top	44/5220.0	802.11n20	0.371	0.47	1.135	0.421	1.6	/
Back Upward	36/5180.0	802.11n20	0.611	-0.79	1.062	0.649	1.6	/
Back Upward	48/5240.0	802.11n20	0.590	-2.25	1.112	0.656	1.6	/
MIMO ANT 11+13 Fold/Full Power								
Front Upward	44/5220.0	802.11n20	0.755	-0.73	1.094	0.826	1.6	/
Back Upward	44/5220.0	802.11n20	0.095	-0.21	1.094	0.104	1.6	/
Right	44/5220.0	802.11n20	0.216	0.74	1.094	0.236	1.6	/
Bottom	44/5220.0	802.11n20	0.458	-0.58	1.094	0.501	1.6	/
Front Upward	36/5180.0	802.11n20	0.714	-1.11	1.114	0.795	1.6	/
Front Upward	48/5240.0	802.11n20	0.690	-1.00	1.164	0.803	1.6	/
MIMO ANT 11+13 Fold/DSI 4 Power								
Front Upward	44/5220.0	802.11n20	0.509	0.46	1.135	0.578	1.6	/
Back Upward	44/5220.0	802.11n20	0.068	-1.15	1.135	0.077	1.6	/
Right	44/5220.0	802.11n20	0.151	-0.43	1.135	0.171	1.6	/
Bottom	44/5220.0	802.11n20	0.325	0.13	1.135	0.369	1.6	/
Front Upward	36/5180.0	802.11n20	0.538	1.55	1.062	0.571	1.6	/
Front Upward	48/5240.0	802.11n20	0.488	0.97	1.112	0.543	1.6	/



Results overview of WI-FI U-NII 2A

Head(0mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 11/Full Power								
Right Cheek	60/5300.0	802.11a	0.328	1.35	1.151	0.378	1.6	/
Right Tilted	60/5300.0	802.11a	0.284	0.92	1.151	0.327	1.6	/
Left Cheek	60/5300.0	802.11a	0.385	-2.29	1.151	0.443	1.6	/
Left Tilted	60/5300.0	802.11a	0.366	0.42	1.151	0.421	1.6	/
Left Cheek	52/5260.0	802.11a	0.383	-1.07	1.069	0.409	1.6	/
Left Cheek	64/5320.0	802.11a	0.423	0.36	1.164	0.492	1.6	/
ANT 11/DSI 4 Power								
Right Cheek	60/5300.0	802.11a	0.253	-1.10	1.094	0.277	1.6	/
Right Tilted	60/5300.0	802.11a	0.217	0.49	1.094	0.237	1.6	/
Left Cheek	60/5300.0	802.11a	0.301	-0.20	1.094	0.329	1.6	/
Left Tilted	60/5300.0	802.11a	0.282	-2.05	1.094	0.309	1.6	/
Left Cheek	52/5260.0	802.11a	0.292	-0.57	1.159	0.338	1.6	/
Left Cheek	64/5320.0	802.11a	0.328	0.29	1.169	0.383	1.6	/
ANT 13/Full Power								
Right Cheek	60/5300.0	802.11a	0.318	-1.27	1.161	0.369	1.6	/
Right Tilted	60/5300.0	802.11a	0.252	0.59	1.161	0.293	1.6	/
Left Cheek	60/5300.0	802.11a	0.518	-1.03	1.161	0.601	1.6	/
Left Tilted	60/5300.0	802.11a	0.366	-2.18	1.161	0.425	1.6	/
Left Cheek	52/5260.0	802.11a	0.566	1.50	1.059	0.599	1.6	39
Left Cheek	64/5320.0	802.11a	0.544	-0.67	1.091	0.594	1.6	/
ANT 13/DSI 4 Power								
Right Cheek	60/5300.0	802.11a	0.192	-1.06	1.146	0.220	1.6	/
Right Tilted	60/5300.0	802.11a	0.153	-0.45	1.146	0.175	1.6	/
Left Cheek	60/5300.0	802.11a	0.313	-1.24	1.146	0.359	1.6	/
Left Tilted	60/5300.0	802.11a	0.219	0.93	1.146	0.251	1.6	/
Left Cheek	52/5260.0	802.11a	0.345	0.57	1.064	0.367	1.6	/
Left Cheek	64/5320.0	802.11a	0.328	-1.40	1.117	0.366	1.6	/
MIMO ANT 11+13/Full Power								
Right Cheek	60/5300.0	802.11n20	0.239	-0.43	1.086	0.260	1.6	/



Right Tilted	60/5300.0	802.11n20	0.185	-2.62	1.086	0.201	1.6	/
Left Cheek	60/5300.0	802.11n20	0.339	0.90	1.086	0.368	1.6	/
Left Tilted	60/5300.0	802.11n20	0.309	-1.36	1.086	0.336	1.6	/
Left Cheek	52/5260.0	802.11n20	0.383	-0.81	1.132	0.434	1.6	/
Left Cheek	64/5320.0	802.11n20	0.354	-2.70	1.099	0.389	1.6	/
MIMO ANT 11+13/DSI 4 Power								
Right Cheek	60/5300.0	802.11n20	0.175	-2.06	1.072	0.188	1.6	/
Right Tilted	60/5300.0	802.11n20	0.136	1.27	1.072	0.146	1.6	/
Left Cheek	60/5300.0	802.11n20	0.245	-0.34	1.072	0.263	1.6	/
Left Tilted	60/5300.0	802.11n20	0.226	0.89	1.072	0.242	1.6	/
Left Cheek	52/5260.0	802.11n20	0.263	0.19	1.074	0.282	1.6	/
Left Cheek	64/5320.0	802.11n20	0.255	0.50	1.069	0.273	1.6	/
Body (10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 11 Unfold/Full Power								
Front Upward	60/5300.0	802.11a	0.249	1.05	1.151	0.287	1.6	/
Back Upward	60/5300.0	802.11a	0.280	2.07	1.151	0.322	1.6	/
Back Upward	52/5260.0	802.11a	0.263	0.53	1.069	0.281	1.6	/
Back Upward	64/5320.0	802.11a	0.312	1.62	1.164	0.363	1.6	/
ANT 11 Unfold/DSI 4 Power								
Front Upward	60/5300.0	802.11a	0.205	-2.01	1.094	0.224	1.6	/
Back Upward	60/5300.0	802.11a	0.256	0.81	1.094	0.280	1.6	/
Back Upward	52/5260.0	802.11a	0.207	-0.69	1.159	0.240	1.6	/
Back Upward	64/5320.0	802.11a	0.238	-1.67	1.169	0.278	1.6	/
ANT 11 Fold/Full Power								
Front Upward	60/5300.0	802.11a	0.191	1.75	1.151	0.220	1.6	/
Back Upward	60/5300.0	802.11a	0.041	0.85	1.151	0.047	1.6	/
Front Upward	52/5260.0	802.11a	0.213	-1.05	1.069	0.228	1.6	/
Front Upward	64/5320.0	802.11a	0.180	-0.22	1.164	0.210	1.6	/
ANT 11 Fold/DSI 4 Power								
Front Upward	60/5300.0	802.11a	0.175	1.05	1.094	0.191	1.6	/
Back Upward	60/5300.0	802.11a	0.034	-0.53	1.094	0.037	1.6	/
Front Upward	52/5260.0	802.11a	0.158	2.74	1.159	0.183	1.6	/
Front Upward	64/5320.0	802.11a	0.171	-0.70	1.169	0.200	1.6	/



ANT 13 Unfold/Full Power								
Front Upward	60/5300.0	802.11a	0.481	0.91	1.161	0.558	1.6	/
Back Upward	60/5300.0	802.11a	0.974	0.20	1.161	1.131	1.6	/
Back Upward	52/5260.0	802.11a	1.012	-1.11	1.059	1.072	1.6	/
Back Upward	64/5320.0	802.11a	1.046	0.49	1.091	1.141	1.6	40
ANT 13 Unfold/DSI 4 Power								
Front Upward	60/5300.0	802.11a	0.265	0.45	1.146	0.304	1.6	/
Back Upward	60/5300.0	802.11a	0.546	1.67	1.146	0.626	1.6	/
Back Upward	52/5260.0	802.11a	0.555	-0.73	1.064	0.591	1.6	/
Back Upward	64/5320.0	802.11a	0.586	0.87	1.117	0.655	1.6	/
ANT 13 Fold/Full Power								
Front Upward	60/5300.0	802.11a	0.983	-2.01	1.161	1.141	1.6	/
Back Upward	60/5300.0	802.11a	0.095	0.57	1.161	0.110	1.6	/
Front Upward	52/5260.0	802.11a	1.024	-1.14	1.059	1.084	1.6	/
Front Upward	64/5320.0	802.11a	0.931	0.88	1.091	1.016	1.6	/
ANT 13 Fold/DSI 4 Power								
Front Upward	60/5300.0	802.11a	0.585	1.36	1.146	0.670	1.6	/
Back Upward	60/5300.0	802.11a	0.056	0.78	1.146	0.064	1.6	/
Front Upward	52/5260.0	802.11a	0.599	-1.80	1.064	0.637	1.6	/
Front Upward	64/5320.0	802.11a	0.559	-2.03	1.117	0.624	1.6	/
MIMO ANT 11+13 Unfold/Full Power								
Front Upward	60/5300.0	802.11n20	0.311	-1.29	1.086	0.338	1.6	/
Back Upward	60/5300.0	802.11n20	0.611	0.42	1.086	0.664	1.6	/
Back Upward	52/5260.0	802.11n20	0.667	0.94	1.132	0.755	1.6	/
Back Upward	64/5320.0	802.11n20	0.608	-0.67	1.099	0.668	1.6	/
MIMO ANT 11+13 Unfold								
Front Upward	60/5300.0	802.11n20	0.195	-1.47	1.072	0.209	1.6	/
Back Upward	60/5300.0	802.11n20	0.383	-0.16	1.072	0.411	1.6	/
Back Upward	52/5260.0	802.11n20	0.411	0.45	1.074	0.441	1.6	/
Back Upward	64/5320.0	802.11n20	0.381	-1.30	1.069	0.407	1.6	/
MIMO ANT 11+13 Fold/Full Power								
Front Upward	60/5300.0	802.11n20	0.508	1.29	1.086	0.552	1.6	/
Back Upward	60/5300.0	802.11n20	0.068	0.54	1.086	0.074	1.6	/
Front Upward	52/5260.0	802.11n20	0.520	2.35	1.132	0.589	1.6	/



Front Upward	64/5320.0	802.11n20	0.553	-0.46	1.099	0.608	1.6	/
MIMO ANT 11+13 Fold/DSI 4 Power								
Front Upward	60/5300.0	802.11n20	0.339	0.89	1.072	0.363	1.6	/
Back Upward	60/5300.0	802.11n20	0.045	-0.40	1.072	0.048	1.6	/
Front Upward	52/5260.0	802.11n20	0.349	1.74	1.074	0.375	1.6	/
Front Upward	64/5320.0	802.11n20	0.365	0.75	1.069	0.390	1.6	/



Results overview of WI-FI U-NII 2C

Head(0mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 11/Full Power								
Right Cheek	120/5600.0	802.11a	0.508	-0.71	1.091	0.554	1.6	/
Right Tilted	120/5600.0	802.11a	0.414	-1.26	1.091	0.452	1.6	/
Left Cheek	120/5600.0	802.11a	0.593	2.41	1.091	0.647	1.6	/
Left Tilted	120/5600.0	802.11a	0.501	-0.12	1.091	0.547	1.6	/
Left Cheek	100/5500.0	802.11a	0.598	0.89	1.117	0.668	1.6	/
Left Cheek	140/5700.0	802.11a	0.651	-1.24	1.135	0.739	1.6	41
ANT 11/DSI 4 Power								
Right Cheek	120/5600.0	802.11a	0.312	-0.63	1.175	0.367	1.6	/
Right Tilted	120/5600.0	802.11a	0.262	1.47	1.175	0.308	1.6	/
Left Cheek	120/5600.0	802.11a	0.363	-0.70	1.175	0.427	1.6	/
Left Tilted	120/5600.0	802.11a	0.318	-0.55	1.175	0.374	1.6	/
Left Cheek	100/5500.0	802.11a	0.372	1.03	1.148	0.427	1.6	/
Left Cheek	140/5700.0	802.11a	0.395	1.54	1.062	0.419	1.6	/
ANT 13/Full Power								
Right Cheek	120/5600.0	802.11a	0.339	-0.68	1.084	0.367	1.6	/
Right Tilted	120/5600.0	802.11a	0.271	2.24	1.084	0.294	1.6	/
Left Cheek	120/5600.0	802.11a	0.522	-1.29	1.084	0.566	1.6	/
Left Tilted	120/5600.0	802.11a	0.392	0.31	1.084	0.425	1.6	/
Left Cheek	100/5500.0	802.11a	0.607	-1.63	1.076	0.653	1.6	/
Left Cheek	140/5700.0	802.11a	0.586	-0.41	1.089	0.638	1.6	/
ANT 13/DSI 4 Power								
Right Cheek	120/5600.0	802.11a	0.158	-0.19	1.178	0.186	1.6	/
Right Tilted	120/5600.0	802.11a	0.128	-0.33	1.178	0.151	1.6	/
Left Cheek	120/5600.0	802.11a	0.246	-1.08	1.178	0.290	1.6	/
Left Tilted	120/5600.0	802.11a	0.184	-0.13	1.178	0.217	1.6	/
Left Cheek	100/5500.0	802.11a	0.284	-1.64	1.180	0.335	1.6	/
Left Cheek	140/5700.0	802.11a	0.274	0.57	1.180	0.323	1.6	/
MIMO ANT 11+13/Full Power								
Right Cheek	120/5600.0	802.11n20	0.362	-0.55	1.084	0.392	1.6	/



Right Tilted	120/5600.0	802.11n20	0.282	1.14	1.084	0.306	1.6	/
Left Cheek	120/5600.0	802.11n20	0.579	-0.63	1.084	0.628	1.6	/
Left Tilted	120/5600.0	802.11n20	0.471	-1.78	1.084	0.511	1.6	/
Left Cheek	100/5500.0	802.11n20	0.516	2.11	1.076	0.555	1.6	/
Left Cheek	140/5700.0	802.11n20	0.532	1.70	1.089	0.579	1.6	/
MIMO ANT 11+13/DSI 4 Power								
Right Cheek	120/5600.0	802.11n20	0.213	-0.20	1.175	0.250	1.6	/
Right Tilted	120/5600.0	802.11n20	0.165	0.99	1.175	0.194	1.6	/
Left Cheek	120/5600.0	802.11n20	0.344	-0.36	1.175	0.404	1.6	/
Left Tilted	120/5600.0	802.11n20	0.279	-2.10	1.175	0.328	1.6	/
Left Cheek	100/5500.0	802.11n20	0.304	-1.79	1.148	0.349	1.6	/
Left Cheek	140/5700.0	802.11n20	0.308	0.20	1.156	0.356	1.6	/
Body (10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 11 Unfold/Full Power								
Front Upward	120/5600.0	802.11a	0.416	0.69	1.091	0.454	1.6	/
Back Upward	120/5600.0	802.11a	0.467	-2.58	1.091	0.509	1.6	/
Back Upward	100/5500.0	802.11a	0.441	0.29	1.117	0.493	1.6	/
Back Upward	140/5700.0	802.11a	0.521	-1.70	1.135	0.591	1.6	42
ANT 11 Unfold/DSI 4 Power								
Front Upward	120/5600.0	802.11a	0.175	-2.10	1.175	0.206	1.6	/
Back Upward	120/5600.0	802.11a	0.200	-0.45	1.175	0.235	1.6	/
Back Upward	100/5500.0	802.11a	0.183	-1.38	1.148	0.210	1.6	/
Back Upward	140/5700.0	802.11a	0.219	1.54	1.062	0.233	1.6	/
ANT 11 Fold/Full Power								
Front Upward	120/5600.0	802.11a	0.405	0.86	1.091	0.442	1.6	/
Back Upward	120/5600.0	802.11a	0.087	-2.37	1.091	0.095	1.6	/
Front Upward	100/5500.0	802.11a	0.448	0.53	1.117	0.500	1.6	/
Front Upward	140/5700.0	802.11a	0.381	-0.93	1.135	0.432	1.6	/
ANT 11 Fold/DSI 4 Power								
Front Upward	120/5600.0	802.11a	0.263	-0.29	1.175	0.309	1.6	/
Back Upward	120/5600.0	802.11a	0.056	1.15	1.175	0.066	1.6	/
Front Upward	100/5500.0	802.11a	0.292	-0.83	1.148	0.335	1.6	/
Front Upward	140/5700.0	802.11a	0.245	1.05	1.062	0.260	1.6	/



ANT 13 Unfold/Full Power								
Front Upward	120/5600.0	802.11a	0.157	-0.59	1.084	0.170	1.6	/
Back Upward	120/5600.0	802.11a	0.321	0.70	1.084	0.348	1.6	/
Back Upward	100/5500.0	802.11a	0.353	0.42	1.076	0.380	1.6	/
Back Upward	140/5700.0	802.11a	0.329	-2.04	1.089	0.358	1.6	/
ANT 13 Unfold/DSI 4 Power								
Front Upward	120/5600.0	802.11a	0.139	1.18	1.178	0.164	1.6	/
Back Upward	120/5600.0	802.11a	0.284	2.11	1.178	0.335	1.6	/
Back Upward	100/5500.0	802.11a	0.315	-2.26	1.180	0.372	1.6	/
Back Upward	140/5700.0	802.11a	0.293	-0.35	1.180	0.346	1.6	/
ANT 13 Fold/Full Power								
Front Upward	120/5600.0	802.11a	0.245	1.57	1.084	0.266	1.6	/
Back Upward	120/5600.0	802.11a	0.030	0.76	1.084	0.033	1.6	/
Front Upward	100/5500.0	802.11a	0.298	0.21	1.076	0.321	1.6	/
Front Upward	140/5700.0	802.11a	0.273	0.89	1.089	0.297	1.6	/
ANT 13 Fold/DSI 4 Power								
Front Upward	120/5600.0	802.11a	0.306	0.17	1.178	0.360	1.6	/
Back Upward	120/5600.0	802.11a	0.037	-0.76	1.178	0.044	1.6	/
Front Upward	100/5500.0	802.11a	0.374	0.29	1.180	0.441	1.6	/
Front Upward	140/5700.0	802.11a	0.339	-1.35	1.180	0.400	1.6	/
MIMO ANT 11+13 Unfold/Full Power								
Front Upward	120/5600.0	802.11n20	0.192	1.51	1.183	0.227	1.6	/
Back Upward	120/5600.0	802.11n20	0.379	0.90	1.183	0.448	1.6	/
Back Upward	100/5500.0	802.11n20	0.409	-0.22	1.161	0.475	1.6	/
Back Upward	140/5700.0	802.11n20	0.372	0.86	1.125	0.419	1.6	/
MIMO ANT 11+13 Unfold/DSI 4 Power								
Front Upward	120/5600.0	802.11n20	0.126	2.03	1.175	0.148	1.6	/
Back Upward	120/5600.0	802.11n20	0.249	1.01	1.175	0.293	1.6	/
Back Upward	100/5500.0	802.11n20	0.271	-0.55	1.148	0.311	1.6	/
Back Upward	140/5700.0	802.11n20	0.244	0.12	1.156	0.282	1.6	/
MIMO ANT 11+13 Fold/Full Power								
Front Upward	120/5600.0	802.11n20	0.369	2.67	1.183	0.437	1.6	/
Back Upward	120/5600.0	802.11n20	0.049	-0.89	1.183	0.058	1.6	/
Front Upward	100/5500.0	802.11n20	0.382	1.72	1.161	0.444	1.6	/



Front Upward	140/5700.0	802.11n20	0.397	0.17	1.125	0.447	1.6	/
MIMO ANT 11+13 Fold/DSI 4 Power								
Front Upward	120/5600.0	802.11n20	0.294	1.17	1.175	0.345	1.6	/
Back Upward	120/5600.0	802.11n20	0.039	-0.84	1.175	0.046	1.6	/
Front Upward	100/5500.0	802.11n20	0.306	-0.31	1.148	0.351	1.6	/
Front Upward	140/5700.0	802.11n20	0.314	0.65	1.156	0.363	1.6	/



Results overview of WI-FI U-NII 3

Head(0mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 11/Full Power								
Right Cheek	157/5785.0	802.11a	0.548	0.63	1.119	0.613	1.6	/
Right Tilted	157/5785.0	802.11a	0.473	1.38	1.119	0.529	1.6	/
Left Cheek	157/5785.0	802.11a	0.635	-0.35	1.119	0.711	1.6	/
Left Tilted	157/5785.0	802.11a	0.624	0.89	1.119	0.698	1.6	/
Left Cheek	149/5745.0	802.11a	0.696	-1.16	1.102	0.767	1.6	/
Left Cheek	165/5825.0	802.11a	0.645	-0.69	1.074	0.693	1.6	/
ANT 11/DSI 4 Power								
Right Cheek	157/5785.0	802.11a	0.263	-0.86	1.130	0.297	1.6	/
Right Tilted	157/5785.0	802.11a	0.224	-1.05	1.130	0.253	1.6	/
Left Cheek	157/5785.0	802.11a	0.309	-0.49	1.130	0.349	1.6	/
Left Tilted	157/5785.0	802.11a	0.303	0.79	1.130	0.342	1.6	/
Left Cheek	149/5745.0	802.11a	0.328	0.29	1.112	0.365	1.6	/
Left Cheek	165/5825.0	802.11a	0.315	-0.52	1.081	0.341	1.6	/
ANT 13/Full Power								
Right Cheek	157/5785.0	802.11a	0.605	0.68	1.104	0.668	1.6	/
Right Tilted	157/5785.0	802.11a	0.481	-2.25	1.104	0.531	1.6	/
Left Cheek	157/5785.0	802.11a	1.075	-0.36	1.104	1.187	1.6	43
Left Tilted	157/5785.0	802.11a	0.695	-1.30	1.104	0.767	1.6	/
Left Cheek	149/5745.0	802.11a	0.986	1.17	1.104	1.089	1.6	/
Left Cheek	165/5825.0	802.11a	1.040	0.23	1.161	1.207	1.6	/
ANT 13/DSI 4 Power								
Right Cheek	157/5785.0	802.11a	0.155	-1.45	1.069	0.166	1.6	/
Right Tilted	157/5785.0	802.11a	0.126	1.48	1.069	0.135	1.6	/
Left Cheek	157/5785.0	802.11a	0.241	0.27	1.069	0.258	1.6	/
Left Tilted	157/5785.0	802.11a	0.183	-0.94	1.069	0.196	1.6	/
Left Cheek	149/5745.0	802.11a	0.258	-0.65	1.076	0.278	1.6	/
Left Cheek	165/5825.0	802.11a	0.235	1.01	1.062	0.250	1.6	/
MIMO ANT 11+13/Full Power								
Right Cheek	157/5785.0	802.11n20	0.376	-1.57	1.180	0.444	1.6	/



Right Tilted	157/5785.0	802.11n20	0.294	0.77	1.180	0.347	1.6	/
Left Cheek	157/5785.0	802.11n20	0.547	0.09	1.180	0.645	1.6	/
Left Tilted	157/5785.0	802.11n20	0.483	-0.81	1.180	0.570	1.6	/
Left Cheek	149/5745.0	802.11n20	0.544	0.40	1.072	0.583	1.6	/
Left Cheek	165/5825.0	802.11n20	0.593	-0.10	1.172	0.695	1.6	/
MIMO ANT 11+13/DSI 4 Power								
Right Cheek	157/5785.0	802.11n20	0.213	-1.16	1.079	0.230	1.6	/
Right Tilted	157/5785.0	802.11n20	0.169	0.47	1.079	0.182	1.6	/
Left Cheek	157/5785.0	802.11n20	0.312	-2.05	1.079	0.337	1.6	/
Left Tilted	157/5785.0	802.11n20	0.268	0.76	1.079	0.289	1.6	/
Left Cheek	149/5745.0	802.11n20	0.311	0.51	1.072	0.333	1.6	/
Left Cheek	165/5825.0	802.11n20	0.330	-0.88	1.167	0.385	1.6	/
Body & Hotspot (10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 11 Unfold/Full Power								
Front Upward	157/5785.0	802.11a	0.608	0.74	1.119	0.680	1.6	/
Back Upward	157/5785.0	802.11a	0.680	-0.16	1.119	0.761	1.6	/
Right	157/5785.0	802.11a	0.159	2.28	1.119	0.178	1.6	/
Top	157/5785.0	802.11a	0.470	0.85	1.119	0.526	1.6	/
Back Upward	149/5745.0	802.11a	0.639	-1.09	1.102	0.704	1.6	/
Back Upward	165/5825.0	802.11a	0.766	0.92	1.074	0.823	1.6	44
ANT 11 Unfold/DSI 4 Power								
Front Upward	157/5785.0	802.11a	0.290	-0.65	1.130	0.328	1.6	/
Back Upward	157/5785.0	802.11a	0.324	-2.25	1.130	0.366	1.6	/
Right	157/5785.0	802.11a	0.075	-0.68	1.130	0.085	1.6	/
Top	157/5785.0	802.11a	0.219	-2.10	1.130	0.247	1.6	/
Back Upward	149/5745.0	802.11a	0.310	0.66	1.112	0.345	1.6	/
Back Upward	165/5825.0	802.11a	0.358	-0.59	1.081	0.387	1.6	/
ANT 11 Fold/Full Power								
Front Upward	157/5785.0	802.11a	0.585	-1.00	1.119	0.655	1.6	/
Back Upward	157/5785.0	802.11a	0.124	2.01	1.119	0.139	1.6	/
Right	157/5785.0	802.11a	0.150	1.33	1.119	0.168	1.6	/
Bottom	157/5785.0	802.11a	0.366	-0.20	1.119	0.410	1.6	/
Front Upward	149/5745.0	802.11a	0.643	-1.45	1.102	0.709	1.6	/



Front Upward	165/5825.0	802.11a	0.546	0.42	1.074	0.586	1.6	/
ANT 11 Fold/DSI 4 Power								
Front Upward	157/5785.0	802.11a	0.325	-0.16	1.130	0.367	1.6	/
Back Upward	157/5785.0	802.11a	0.070	0.94	1.130	0.079	1.6	/
Right	157/5785.0	802.11a	0.083	-1.73	1.130	0.094	1.6	/
Bottom	157/5785.0	802.11a	0.202	1.34	1.130	0.228	1.6	/
Front Upward	149/5745.0	802.11a	0.354	-0.17	1.112	0.394	1.6	/
Front Upward	165/5825.0	802.11a	0.306	-0.40	1.081	0.331	1.6	/
ANT 13 Unfold/Full Power								
Front Upward	157/5785.0	802.11a	0.126	-1.78	1.104	0.139	1.6	/
Back Upward	157/5785.0	802.11a	0.257	2.33	1.104	0.284	1.6	/
Right	157/5785.0	802.11a	0.082	1.46	1.104	0.091	1.6	/
Top	157/5785.0	802.11a	0.117	0.58	1.104	0.129	1.6	/
Back Upward	149/5745.0	802.11a	0.284	0.89	1.104	0.314	1.6	/
Back Upward	165/5825.0	802.11a	0.264	-1.42	1.161	0.307	1.6	/
ANT 13 Unfold/DSI 4 Power								
Front Upward	157/5785.0	802.11a	0.064	1.59	1.069	0.068	1.6	/
Back Upward	157/5785.0	802.11a	0.130	-2.15	1.069	0.139	1.6	/
Right	157/5785.0	802.11a	0.042	-0.98	1.069	0.045	1.6	/
Top	157/5785.0	802.11a	0.058	0.21	1.069	0.062	1.6	/
Back Upward	149/5745.0	802.11a	0.142	1.37	1.076	0.153	1.6	/
Back Upward	165/5825.0	802.11a	0.134	1.19	1.062	0.142	1.6	/
ANT 13 Fold/Full Power								
Front Upward	157/5785.0	802.11a	0.376	-1.45	1.104	0.415	1.6	/
Back Upward	157/5785.0	802.11a	0.037	2.16	1.104	0.041	1.6	/
Right	157/5785.0	802.11a	0.069	0.54	1.104	0.076	1.6	/
Bottom	157/5785.0	802.11a	0.126	-0.16	1.104	0.139	1.6	/
Front Upward	149/5745.0	802.11a	0.372	-1.27	1.104	0.411	1.6	/
Front Upward	165/5825.0	802.11a	0.343	1.62	1.161	0.398	1.6	/
ANT 13 Fold/DSI 4 Power								
Front Upward	157/5785.0	802.11a	0.162	-0.96	1.069	0.173	1.6	/
Back Upward	157/5785.0	802.11a	0.016	1.21	1.069	0.017	1.6	/
Right	157/5785.0	802.11a	0.030	-0.33	1.069	0.032	1.6	/
Bottom	157/5785.0	802.11a	0.054	0.60	1.069	0.058	1.6	/



Front Upward	149/5745.0	802.11a	0.154	1.07	1.076	0.166	1.6	/
Front Upward	165/5825.0	802.11a	0.143	0.54	1.062	0.152	1.6	/
MIMO ANT 11+13 Unfold								
Front Upward	157/5785.0	802.11n20	0.169	-0.34	1.180	0.199	1.6	/
Back Upward	157/5785.0	802.11n20	0.360	-2.26	1.180	0.425	1.6	/
Right	157/5785.0	802.11n20	0.076	1.64	1.180	0.090	1.6	/
Top	157/5785.0	802.11n20	0.202	0.51	1.180	0.238	1.6	/
Back Upward	149/5745.0	802.11n20	0.336	-0.62	1.072	0.360	1.6	/
Back Upward	165/5825.0	802.11n20	0.328	-1.03	1.172	0.384	1.6	/
MIMO ANT 11+13 Unfold/DSI 4 Power								
Front Upward	157/5785.0	802.11n20	0.116	-1.70	1.079	0.125	1.6	/
Back Upward	157/5785.0	802.11n20	0.243	2.51	1.079	0.262	1.6	/
Right	157/5785.0	802.11n20	0.052	0.38	1.079	0.056	1.6	/
Top	157/5785.0	802.11n20	0.139	-0.11	1.079	0.150	1.6	/
Back Upward	149/5745.0	802.11n20	0.231	-0.40	1.072	0.248	1.6	/
Back Upward	165/5825.0	802.11n20	0.224	1.76	1.167	0.261	1.6	/
MIMO ANT 11+13 Fold/Full Power								
Front Upward	157/5785.0	802.11n20	0.383	1.06	1.180	0.452	1.6	/
Back Upward	157/5785.0	802.11n20	0.050	0.15	1.180	0.059	1.6	/
Right	157/5785.0	802.11n20	0.117	-1.42	1.180	0.138	1.6	/
Bottom	157/5785.0	802.11n20	0.236	0.81	1.180	0.278	1.6	/
Front Upward	149/5745.0	802.11n20	0.395	-2.22	1.072	0.423	1.6	/
Front Upward	165/5825.0	802.11n20	0.368	-0.65	1.172	0.431	1.6	/
MIMO ANT 11+13 Fold/DSI 4 Power								
Front Upward	157/5785.0	802.11n20	0.259	0.16	1.079	0.279	1.6	/
Back Upward	157/5785.0	802.11n20	0.034	2.10	1.079	0.037	1.6	/
Right	157/5785.0	802.11n20	0.080	-0.30	1.079	0.086	1.6	/
Bottom	157/5785.0	802.11n20	0.159	0.42	1.079	0.172	1.6	/
Front Upward	149/5745.0	802.11n20	0.270	-0.59	1.072	0.289	1.6	/
Front Upward	165/5825.0	802.11n20	0.251	0.23	1.167	0.293	1.6	/



Results overview of Bluetooth

Head(0mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 12/Full Power								
Right Cheek	39/2441.0	GFSK	0.034	0.29	1.169	0.040	1.6	/
Right Tilted	39/2441.0	GFSK	0.036	1.13	1.169	0.042	1.6	/
Left Cheek	39/2441.0	GFSK	0.037	0.64	1.169	0.043	1.6	/
Left Tilted	39/2441.0	GFSK	0.047	-2.06	1.169	0.055	1.6	/
Left Tilted	0/2402.0	GFSK	0.043	1.69	1.132	0.049	1.6	/
Left Tilted	78/2480.0	GFSK	0.039	-2.62	1.159	0.045	1.6	/
ANT 13/Full Power								
Right Cheek	39/2441.0	GFSK	0.120	1.73	1.086	0.130	1.6	/
Right Tilted	39/2441.0	GFSK	0.042	0.50	1.086	0.046	1.6	/
Left Cheek	39/2441.0	GFSK	0.140	-2.01	1.086	0.152	1.6	/
Left Tilted	39/2441.0	GFSK	0.097	-1.80	1.086	0.105	1.6	/
Left Cheek	0/2402.0	GFSK	0.156	1.18	1.104	0.172	1.6	45
Left Cheek	78/2480.0	GFSK	0.151	0.27	1.130	0.171	1.6	/
Body & Hotspot (10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
ANT 12 Unfold/Full Power								
Front Upward	39/2441.0	GFSK	0.024	-1.91	1.169	0.028	1.6	/
Back Upward	39/2441.0	GFSK	0.041	-2.28	1.169	0.048	1.6	/
Back Upward	0/2402.0	GFSK	0.046	-0.79	1.132	0.052	1.6	/
Back Upward	78/2480.0	GFSK	0.038	0.34	1.159	0.044	1.6	/
ANT 12 Fold/Full Power								
Front Upward	39/2441.0	GFSK	0.020	1.09	1.169	0.023	1.6	/
Back Upward	39/2441.0	GFSK	0.012	-2.29	1.169	0.014	1.6	/
Front Upward	0/2402.0	GFSK	0.027	-1.73	1.132	0.031	1.6	/
Front Upward	78/2480.0	GFSK	0.022	0.15	1.159	0.025	1.6	/
ANT 13 Unfold/Full Power								
Front Upward	39/2441.0	GFSK	0.039	-1.71	1.086	0.042	1.6	/
Back Upward	39/2441.0	GFSK	0.067	0.86	1.086	0.073	1.6	/
Back Upward	0/2402.0	GFSK	0.073	0.11	1.104	0.081	1.6	46



Back Upward	78/2480.0	GFSK	0.065	-2.29	1.130	0.073	1.6	/
ANT 13 Fold/Full Power								
Front Upward	39/2441.0	GFSK	0.044	-0.54	1.086	0.048	1.6	/
Back Upward	39/2441.0	GFSK	0.011	1.78	1.086	0.012	1.6	/
Front Upward	0/2402.0	GFSK	0.042	0.40	1.104	0.046	1.6	/
Front Upward	78/2480.0	GFSK	0.048	1.16	1.130	0.054	1.6	/

Note:

Per KDB Publication 941225 D01v03r01. RMC 12.2kbps was as primary mode SAR, when the primary mode SAR less than 1.2W/kg, secondary SAR (HSPA) was not requires.

When the 1-g SAR for the mid-band channel or the channel with the highest output power satisfy the following conditions, testing of the other channels in the band is not required. (Per KDB 447498 D01 General RF Exposure Guidance v06)

- ≤ 0.8 W/kg, when the transmission band is ≤ 100 MHz
- ≤ 0.6 W/kg, when the transmission band is between 100 MHz and 200 MHz
- ≤ 0.4 W/kg, when the transmission band is ≥ 200 MHz



12. Simultaneous Transmissions Analysis

Localized Specific Absorption Rate (SAR) of this portable wireless device has been measured in all cases requested by the relevant standards cited in Clause 6 of this report. Maximum localized SAR is **below** exposure limits specified in the relevant standards.

Simultaneous SAR

No.	Transmitter Combinations	Head	Body	Hotspot
1	WWAN + WLAN 2.4GHzSISO/MIMO	Support	Support	Support
2	WWAN + WLAN 5.2G/5.8GHzSISO/MIMO	Support	Support	Support
3	WWAN + WLAN 5.3G/5.6GHzSISO/MIMO	Support	Support	No
4	WWAN + WLAN 2.4GHz SISO + WLAN 5.2G/5.8GHzSISO	Support	Support	Support
5	WWAN + WLAN 2.4GHz SISO + 5.3G/5.6GHzSISO	Support	Support	No
6	WWAN + WLAN 2.4GHz MIMO + WLAN 5.2G/5.8GHzSISO	Support	Support	Support
7	WWAN + WLAN 2.4GHz MIMO + WLAN 5.3G/5.6GHzSISO	Support	Support	No
8	WWAN + WLAN 2.4GHz MIMO + WLAN 5.2G/5.8GHzMIMO	Support	Support	Support
9	WWAN + WLAN 2.4GHz MIMO + WLAN 5.3G/5.6GHzMIMO	Support	Support	No
10	WWAN+ Bluetooth	Support	Support	No

Note:

1. The NR band and EN-DC mode base on FTM mode, setting the NR Band at The most conservative full power to test.
2. EUT will choose each GSM, WCDMA, LTE and 5GNR(SA&NSA) according to the network signal condition; therefore, they will not operate simultaneously at any moment.
3. The reported SAR summation is calculated based on the same configuration and test position.
4. The Wi-Fi transmission scenarios of EUT, when operating in solo emission and simultaneous transmission modes, have been distinctly differentiated through software configurations. When Wi-Fi is in a simultaneous transmission scenario, the power is preset to be reduced in order to meet the SAR (Specific Absorption Rate) requirements.



Applicable Multiple Scenario Evaluation

WIFI SAR:

Position 1gSAR(W/kg)		2.4GWIFI	2.4GWIFI	2.4GWIFI	5.2GWIFI	5.2GWIFI	5.2GWIFI	5.3GWIFI	5.3GWIFI
		ANT 12	ANT 13	ANT 12 +ANT 13 MIMO	ANT 11	ANT 13	ANT 11 +ANT 13 MIMO	ANT 11	ANT 13
		1	2	3	4	5	6	7	8
Head 0mm distance	Right Cheek	0.148	0.131	0.087	0.230	0.204	0.244	0.277	0.220
	Right Tilted	0.157	0.060	0.084	0.199	0.161	0.192	0.237	0.175
	Left Cheek	0.232	0.261	0.201	0.313	0.328	0.393	0.383	0.367
	Left Tilted	0.266	0.152	0.146	0.257	0.240	0.318	0.309	0.251
Unfold Body-worn 10mm distance	Front	0.046	0.054	0.065	0.235	0.289	0.330	0.224	0.304
	Back	0.071	0.099	0.079	0.312	0.595	0.656	0.280	0.655
	Left	/	/	/	/	/	/	/	/
	Right	/	/	/	/	/	/	/	/
	Top	/	/	/	/	/	/	/	/
	Bottom	/	/	/	/	/	/	/	/
Fold Body-worn 10mm distance	Front	0.037	0.066	0.078	0.167	0.556	0.578	0.200	0.670
	Back	0.011	0.017	0.029	0.032	0.056	0.077	0.037	0.064
	Left	/	/	/	/	/	/	/	/
	Right	/	/	/	/	/	/	/	/
	Top	/	/	/	/	/	/	/	/
	Bottom	/	/	/	/	/	/	/	/
Unfold Hotspot 10mm distance	Front	0.046	0.054	0.065	0.167	0.556	0.578	/	/
	Back	0.071	0.099	0.079	0.032	0.056	0.077	/	/
	Left	/	/	/	/	/	/	/	/
	Right	0.011	0.121	0.097	0.062	0.174	0.153	/	/
	Top	0.105	0.019	0.082	0.185	0.259	0.421	/	/
	Bottom	/	/	/	/	/	/	/	/
Fold Hotspot 10mm distance	Front	0.037	0.066	0.078	0.167	0.556	0.578	/	/
	Back	0.011	0.017	0.029	0.032	0.056	0.077	/	/
	Left	/	/	/	/	/	/	/	/
	Right	0.009	0.078	0.090	0.040	0.107	0.171	/	/
	Top	/	/	/	/	/	/	/	/
	Bottom	0.047	0.013	0.065	0.096	0.195	0.369	/	/



Position 1gSAR(W/kg)		5.3GWIFI	5.6GWIFI	5.6GWIFI	5.6GWIFI	5.8GWIFI	5.8GWIFI	5.8GWIFI	BT	BT
		ANT 11 +ANT 13 MIMO	ANT 11	ANT 13	ANT 11 +ANT 13 MIMO	ANT 11	ANT 13	ANT 11 +ANT 13 MIMO	ANT 12	ANT 13
		9	10	11	12	13	14	15	16	17
Head 0mm distance	Right Cheek	0.188	0.367	0.186	0.250	0.297	0.166	0.230	0.040	0.130
	Right Tilted	0.146	0.308	0.151	0.194	0.253	0.135	0.182	0.042	0.046
	Left Cheek	0.283	0.427	0.335	0.404	0.365	0.278	0.385	0.043	0.172
	Left Tilted	0.242	0.374	0.217	0.356	0.342	0.196	0.289	0.055	0.105
Unfold Body-wo rn 10mm distance	Front	0.209	0.206	0.164	0.148	0.328	0.068	0.125	0.028	0.042
	Back	0.441	0.235	0.372	0.311	0.387	0.153	0.262	0.052	0.081
	Left	/	/	/	/	/	/	/	/	/
	Right	/	/	/	/	/	/	/	/	/
	Top	/	/	/	/	/	/	/	/	/
	Bottom	/	/	/	/	/	/	/	/	/
Fold Body-wo rn 10mm distance	Front	0.390	0.335	0.441	0.363	0.394	0.173	0.279	0.031	0.054
	Back	0.048	0.066	0.044	0.046	0.079	0.017	0.037	0.014	0.012
	Left	/	/	/	/	/	/	/	/	/
	Right	/	/	/	/	/	/	/	/	/
	Top	/	/	/	/	/	/	/	/	/
	Bottom	/	/	/	/	/	/	/	/	/
Unfold Hotspot 10mm distance	Front	/	/	/	/	0.328	0.068	0.125	/	/
	Back	/	/	/	/	0.387	0.153	0.262	/	/
	Left	/	/	/	/	/	/	/	/	/
	Right	/	/	/	/	0.085	0.045	0.056	/	/
	Top	/	/	/	/	0.247	0.062	0.150	/	/
	Bottom	/	/	/	/	/	/	/	/	/
Fold Hotspot 10mm distance	Front	/	/	/	/	0.394	0.173	0.279	/	/
	Back	/	/	/	/	0.079	0.017	0.037	/	/
	Left	/	/	/	/	/	/	/	/	/
	Right	/	/	/	/	0.094	0.032	0.086	/	/
	Top	/	/	/	/	/	/	/	/	/
	Bottom	/	/	/	/	0.228	0.058	0.172	/	/



WIFI and Bluetooth simultaneous transmission mode

Position 1gSAR(W/kg)		WIFI and Bluetooth Simultaneous SAR							
		1	2	3	4	5	6	7	8
Head 0mm distance	Right Cheek	0.148	0.131	0.087	0.230	0.204	0.244	0.277	0.220
	Right Tilted	0.157	0.060	0.084	0.199	0.161	0.192	0.237	0.175
	Left Cheek	0.232	0.261	0.201	0.313	0.328	0.393	0.383	0.367
	Left Tilted	0.266	0.152	0.146	0.257	0.240	0.318	0.309	0.251
Unfold Body-worn 10mm distance	Front	0.046	0.054	0.065	0.235	0.289	0.330	0.224	0.304
	Back	0.071	0.099	0.079	0.312	0.595	0.656	0.280	0.655
	Left	/	/	/	/	/	/	/	/
	Right	/	/	/	/	/	/	/	/
	Top	/	/	/	/	/	/	/	/
	Bottom	/	/	/	/	/	/	/	/
Fold Body-worn 10mm distance	Front	0.037	0.066	0.078	0.167	0.556	0.578	0.200	0.670
	Back	0.011	0.017	0.029	0.032	0.056	0.077	0.037	0.064
	Left	/	/	/	/	/	/	/	/
	Right	/	/	/	/	/	/	/	/
	Top	/	/	/	/	/	/	/	/
	Bottom	/	/	/	/	/	/	/	/
Unfold Hotspot 10mm distance	Front	0.046	0.054	0.065	0.167	0.556	0.578	/	/
	Back	0.071	0.099	0.079	0.032	0.056	0.077	/	/
	Left	/	/	/	/	/	/	/	/
	Right	0.011	0.121	0.097	0.062	0.174	0.153	/	/
	Top	0.105	0.019	0.082	0.185	0.259	0.421	/	/
	Bottom	/	/	/	/	/	/	/	/
Fold Hotspot 10mm distance	Front	0.037	0.066	0.078	0.167	0.556	0.578	/	/
	Back	0.011	0.017	0.029	0.032	0.056	0.077	/	/
	Left	/	/	/	/	/	/	/	/
	Right	0.009	0.078	0.090	0.040	0.107	0.171	/	/
	Top	/	/	/	/	/	/	/	/
	Bottom	0.047	0.013	0.065	0.096	0.195	0.369	/	/



Position 1gSAR(W/kg)		WIFI and Bluetooth Simultaneous SAR							
		9	10	11	12	13	14	15	16
Head 0mm distance	Right Cheek	0.188	0.367	0.186	0.250	0.297	0.166	0.230	0.040
	Right Tilted	0.146	0.308	0.151	0.194	0.253	0.135	0.182	0.042
	Left Cheek	0.283	0.427	0.335	0.404	0.365	0.278	0.385	0.043
	Left Tilted	0.242	0.374	0.217	0.356	0.342	0.196	0.289	0.055
Unfold Body-worn 10mm distance	Front	0.209	0.206	0.164	0.148	0.328	0.068	0.125	0.028
	Back	0.441	0.235	0.372	0.311	0.387	0.153	0.262	0.052
	Left	/	/	/	/	/	/	/	/
	Right	/	/	/	/	/	/	/	/
	Top	/	/	/	/	/	/	/	/
	Bottom	/	/	/	/	/	/	/	/
Fold Body-worn 10mm distance	Front	0.390	0.335	0.441	0.363	0.394	0.173	0.279	0.031
	Back	0.048	0.066	0.044	0.046	0.079	0.017	0.037	0.014
	Left	/	/	/	/	/	/	/	/
	Right	/	/	/	/	/	/	/	/
	Top	/	/	/	/	/	/	/	/
	Bottom	/	/	/	/	/	/	/	/
Unfold Hotspot 10mm distance	Front	/	/	/	/	0.328	0.068	0.125	/
	Back	/	/	/	/	0.387	0.153	0.262	/
	Left	/	/	/	/	/	/	/	/
	Right	/	/	/	/	0.085	0.045	0.056	/
	Top	/	/	/	/	0.247	0.062	0.150	/
	Bottom	/	/	/	/	/	/	/	/
Fold Hotspot 10mm distance	Front	/	/	/	/	0.394	0.173	0.279	/
	Back	/	/	/	/	0.079	0.017	0.037	/
	Left	/	/	/	/	/	/	/	/
	Right	/	/	/	/	0.094	0.032	0.086	/
	Top	/	/	/	/	/	/	/	/
	Bottom	/	/	/	/	0.228	0.058	0.172	/



Position 1gSAR(W/kg)		WIFI and Bluetooth Simultaneous SAR							
		17	1+6	2+6	1+9	2+9	1+12	2+12	1+15
Head 0mm distance	Right Cheek	0.130	0.392	0.375	0.336	0.319	0.398	0.381	0.378
	Right Tilted	0.046	0.349	0.252	0.303	0.206	0.351	0.254	0.339
	Left Cheek	0.172	0.625	0.654	0.515	0.544	0.636	0.665	0.617
	Left Tilted	0.105	0.584	0.470	0.508	0.394	0.622	0.508	0.555
Unfold Body-worn 10mm distance	Front	0.042	0.376	0.384	0.255	0.263	0.194	0.202	0.171
	Back	0.081	0.727	0.755	0.512	0.540	0.382	0.410	0.333
	Left	/	/	/	/	/	/	/	/
	Right	/	/	/	/	/	/	/	/
	Top	/	/	/	/	/	/	/	/
	Bottom	/	/	/	/	/	/	/	/
Fold Body-worn 10mm distance	Front	0.048	0.615	0.644	0.427	0.456	0.400	0.429	0.316
	Back	0.012	0.088	0.094	0.059	0.065	0.057	0.063	0.048
	Left	/	/	/	/	/	/	/	/
	Right	/	/	/	/	/	/	/	/
	Top	/	/	/	/	/	/	/	/
	Bottom	/	/	/	/	/	/	/	/
Unfold Hotspot 10mm distance	Front	/	0.624	0.632	/	/	/	/	0.171
	Back	/	0.148	0.176	/	/	/	/	0.333
	Left	/	/	/	/	/	/	/	/
	Right	/	0.164	0.274	/	/	/	/	0.067
	Top	/	0.526	0.440	/	/	/	/	0.255
	Bottom	/	/	/	/	/	/	/	/
Fold Hotspot 10mm distance	Front	/	0.615	0.644	/	/	/	/	0.316
	Back	/	0.088	0.094	/	/	/	/	0.048
	Left	/	/	/	/	/	/	/	/
	Right	/	0.180	0.249	/	/	/	/	0.095
	Top	/	/	/	/	/	/	/	/
	Bottom	/	0.416	0.382	/	/	/	/	0.219



Position 1gSAR(W/kg)		WIFI and Bluetooth Simultaneous SAR							
		2+15	3+4	3+5	3+7	3+8	3+10	3+11	3+13
Head 0mm distance	Right Cheek	0.361	0.317	0.291	0.364	0.307	0.454	0.273	0.384
	Right Tilted	0.242	0.283	0.245	0.321	0.259	0.392	0.235	0.337
	Left Cheek	0.646	0.514	0.529	0.584	0.568	0.628	0.536	0.566
	Left Tilted	0.441	0.403	0.386	0.455	0.397	0.520	0.363	0.488
Unfold Body-worn 10mm distance	Front	0.179	0.300	0.354	0.289	0.369	0.271	0.229	0.393
	Back	0.361	0.391	0.674	0.359	0.734	0.314	0.451	0.466
	Left	/	/	/	/	/	/	/	/
	Right	/	/	/	/	/	/	/	/
	Top	/	/	/	/	/	/	/	/
	Bottom	/	/	/	/	/	/	/	/
Fold Body-worn 10mm distance	Front	0.345	0.245	0.634	0.278	0.748	0.413	0.519	0.472
	Back	0.054	0.061	0.085	0.066	0.093	0.095	0.073	0.108
	Left	/	/	/	/	/	/	/	/
	Right	/	/	/	/	/	/	/	/
	Top	/	/	/	/	/	/	/	/
	Bottom	/	/	/	/	/	/	/	/
Unfold Hotspot 10mm distance	Front	0.179	0.232	0.621	/	/	/	/	0.393
	Back	0.361	0.111	0.135	/	/	/	/	0.466
	Left	/	/	/	/	/	/	/	/
	Right	0.177	0.159	0.271	/	/	/	/	0.182
	Top	0.169	0.267	0.341	/	/	/	/	0.329
	Bottom	/	/	/	/	/	/	/	/
Fold Hotspot 10mm distance	Front	0.345	0.245	0.634	/	/	/	/	0.472
	Back	0.054	0.061	0.085	/	/	/	/	0.108
	Left	/	/	/	/	/	/	/	/
	Right	0.164	0.130	0.197	/	/	/	/	0.184
	Top	/	/	/	/	/	/	/	/
	Bottom	0.185	0.161	0.260	/	/	/	/	0.293



Position 1gSAR(W/kg)		WIFI and Bluetooth Simultaneous SAR					Max WIFI and Bluetooth Simultaneous SAR
		3+14	3+6	3+9	3+12	3+15	
Head 0mm distance	Right Cheek	0.253	0.331	0.275	0.337	0.317	0.454
	Right Tilted	0.219	0.276	0.230	0.278	0.266	0.392
	Left Cheek	0.479	0.594	0.484	0.605	0.586	0.665
	Left Tilted	0.342	0.464	0.388	0.502	0.435	0.622
Unfold Body-worn 10mm distance	Front	0.133	0.395	0.274	0.213	0.190	0.395
	Back	0.232	0.735	0.520	0.390	0.341	0.755
	Left	/	/	/	/	/	/
	Right	/	/	/	/	/	/
	Top	/	/	/	/	/	/
	Bottom	/	/	/	/	/	/
Fold Body-worn 10mm distance	Front	0.251	0.656	0.468	0.441	0.357	0.748
	Back	0.046	0.106	0.077	0.075	0.066	0.108
	Left	/	/	/	/	/	/
	Right	/	/	/	/	/	/
	Top	/	/	/	/	/	/
	Bottom	/	/	/	/	/	/
Unfold Hotspot 10mm distance	Front	0.133	0.643	/	/	0.190	0.643
	Back	0.232	0.156	/	/	0.341	0.466
	Left	/	/	/	/	/	/
	Right	0.142	0.250	/	/	0.153	0.274
	Top	0.144	0.503	/	/	0.232	0.526
	Bottom	/	/	/	/	/	/
Fold Hotspot 10mm distance	Front	0.251	0.656	/	/	0.357	0.656
	Back	0.046	0.106	/	/	0.066	0.108
	Left	/	/	/	/	/	/
	Right	0.122	0.261	/	/	0.176	0.261
	Top	/	/	/	/	/	/
	Bottom	0.123	0.434	/	/	0.237	0.434



5G NR ENDC

Position			LTE Band 5 ANT 1 Test Data EN-DC SAR(W/kg)				
			LTE Band 5 ANT 1 SAR	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	5A ANT 1
Head 0mm distance	Right Cheek	20525/836.5	0.063	25.01	22.5	0.561	0.035
	Right Tilted	20525/836.5	0.025	25.01	22.5	0.561	0.014
	Left Cheek	20525/836.5	0.110	25.01	22.5	0.561	0.062
	Left Tilted	20525/836.5	0.039	25.01	22.5	0.561	0.022
	Left Cheek	20450/829.0	0.085	25.03	22.5	0.558	0.047
	Left Cheek	20600/844.0	0.089	25.02	22.5	0.560	0.050
Unfold Body& Hotspot 10mm distance	Front	20525/836.5	0.108	25.01	22.5	0.561	0.061
	Back	20525/836.5	0.096	25.01	22.5	0.561	0.054
	Left	20525/836.5	0.074	25.01	22.5	0.561	0.042
	Bottom	20525/836.5	0.086	25.01	22.5	0.561	0.048
	Front	20450/829.0	0.112	25.03	22.5	0.558	0.063
	Front	20600/844.0	0.104	25.02	22.5	0.560	0.058
Fold Body& Hotspot 10mm distance	Front	20525/836.5	0.042	25.01	22.5	0.561	0.024
	Back	20525/836.5	0.086	25.01	22.5	0.561	0.048
	Left	20525/836.5	0.095	25.01	22.5	0.561	0.053
	Bottom	20525/836.5	0.061	25.01	22.5	0.561	0.034
	Left	20450/829.0	0.086	25.03	22.5	0.558	0.048
	Left t	20600/844.0	0.097	25.02	22.5	0.560	0.054



Position			LTE Band 5 ANT 3 Test Data EN-DC SAR(W/kg)				
			LTE Band 5 ANT 3 SAR	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	5A ANT 3
Head 0mm distance	Right Cheek	20525/836.5	0.544	22.43	19.0	0.454	0.247
	Right Tilted	20525/836.5	0.132	22.43	19.0	0.454	0.060
	Left Cheek	20525/836.5	0.613	22.43	19.0	0.454	0.278
	Left Tilted	20525/836.5	0.168	22.43	19.0	0.454	0.076
	Left Cheek	20450/829.0	0.553	22.54	19.0	0.443	0.245
	Left Cheek	20600/844.0	0.644	22.35	19.0	0.462	0.298
Unfold Body& Hotspot 10mm distance	Front	20525/836.5	0.369	24.66	22.0	0.542	0.200
	Back	20525/836.5	0.261	24.66	22.0	0.542	0.141
	Right	20525/836.5	0.411	24.66	22.0	0.542	0.223
	Top	20525/836.5	0.037	24.66	22.0	0.542	0.020
	Front	20450/829.0	0.467	24.70	22.0	0.537	0.251
	Front	20600/844.0	0.450	24.73	22.0	0.533	0.240
Fold Body& Hotspot 10mm distance	Front	20525/836.5	0.205	24.66	22.0	0.542	0.111
	Back	20525/836.5	0.166	24.66	22.0	0.542	0.090
	Right	20525/836.5	0.256	24.66	22.0	0.542	0.139
	Bottom	20525/836.5	0.085	24.66	22.0	0.542	0.046
	Left	20450/829.0	0.231	24.70	22.0	0.537	0.124
	Left	20600/844.0	0.295	24.73	22.0	0.533	0.157



Position			NR 78 ANT 5 Test Data EN-DC SAR(W/kg)				
			NR 78 ANT 5 SAR	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	N78A ANT 5
Head 0mm distance	Right Cheek	633334/3500.01	0.213	23.52	21.0	0.560	0.119
	Right Tilted	633334/3500.01	0.140	23.52	21.0	0.560	0.078
	Left Cheek	633334/3500.01	0.621	23.52	21.0	0.560	0.348
	Left Tilted	633334/3500.01	0.098	23.52	21.0	0.560	0.055
Unfold Body & Hotspot 10mm distance	Front	633334/3500.01	0.029	25.49	23.0	0.564	0.016
	Back	633334/3500.01	0.161	25.49	23.0	0.564	0.091
	Left	633334/3500.01	0.109	25.49	23.0	0.564	0.061
Fold Body & Hotspot 10mm distance	Front	633334/3500.01	0.205	25.49	23.0	0.564	0.116
	Back	633334/3500.01	0.046	25.49	23.0	0.564	0.026
	Left	633334/3500.01	0.148	25.49	23.0	0.564	0.083
	Top	633334/3500.01	0.065	25.49	23.0	0.564	0.037



Position			NR 78 ANT 7 Test Data EN-DC SAR(W/kg)				
			NR 78 ANT 7 SAR	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	N78A ANT 7
Head 0mm distance	Right Cheek	633334/3500.01	0.579	23.40	21.0	0.575	0.333
	Right Tilted	633334/3500.01	0.393	23.40	21.0	0.575	0.226
	Left Cheek	633334/3500.01	0.229	23.40	21.0	0.575	0.132
	Left Tilted	633334/3500.01	0.143	23.40	21.0	0.575	0.082
Unfold Body& Hotspot 10mm distance	Front	633334/3500.01	0.079	25.42	23.0	0.573	0.045
	Back	633334/3500.01	0.084	25.42	23.0	0.573	0.048
	Left	633334/3500.01	0.024	25.42	23.0	0.573	0.014
	Top	633334/3500.01	0.073	25.42	23.0	0.573	0.042
Fold Body& Hotspot 10mm distance	Front	633334/3500.01	0.053	25.42	23.0	0.573	0.030
	Back	633334/3500.01	0.021	25.42	23.0	0.573	0.012
	Left	633334/3500.01	0.029	25.42	23.0	0.573	0.017
	Bottom	633334/3500.01	0.045	25.42	23.0	0.573	0.026



Position			NR 78 ANT 8 Test Data EN-DC SAR(W/kg)				
			NR 78 ANT 8 SAR	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	N78A ANT 8
Head 0mm distance	Right Cheek	633334/3500.01	0.295	23.52	21.0	0.165	0.165
	Right Tilted	633334/3500.01	0.117	23.52	21.0	0.065	0.065
	Left Cheek	633334/3500.01	0.056	23.52	21.0	0.031	0.031
	Left Tilted	633334/3500.01	0.079	23.52	21.0	0.044	0.044
Unfold Body & Hotspot 10mm distance	Front	633334/3500.01	0.040	23.52	21.0	0.022	0.022
	Back	633334/3500.01	0.070	23.52	21.0	0.039	0.039
	Left	633334/3500.01	0.107	23.52	21.0	0.060	0.060
	Top	633334/3500.01	0.018	23.52	21.0	0.010	0.010
Fold Body & Hotspot 10mm distance	Front	633334/3500.01	0.065	23.52	21.0	0.036	0.036
	Back	633334/3500.01	0.044	23.52	21.0	0.025	0.025
	Left	633334/3500.01	0.088	23.52	21.0	0.049	0.049
	Bottom	633334/3500.01	0.021	23.52	21.0	0.012	0.012



Position			NR 78 ANT 10 Test Data EN-DC SAR(W/kg)				
			NR 78 ANT 10 SAR	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	N78A ANT 16
Head 0mm distance	Right Cheek	633334/3500.01	0.035	25.09	22.5	0.551	0.019
	Right Tilted	633334/3500.01	0.030	25.09	22.5	0.551	0.017
	Left Cheek	633334/3500.01	0.035	25.09	22.5	0.551	0.019
	Left Tilted	633334/3500.01	0.026	25.09	22.5	0.551	0.014
Unfold Body & Hotspot 10mm distance	Front	633334/3500.01	0.081	25.09	22.5	0.551	0.045
	Back	633334/3500.01	0.179	25.09	22.5	0.551	0.099
	Left	633334/3500.01	0.119	25.09	22.5	0.551	0.066
	Top	633334/3500.01	0.114	25.09	22.5	0.551	0.063
Fold Body & Hotspot 10mm distance	Front	633334/3500.01	0.055	25.09	22.5	0.551	0.030
	Back	633334/3500.01	0.024	25.09	22.5	0.551	0.013
	Left	633334/3500.01	0.043	25.09	22.5	0.551	0.024
	Bottom	633334/3500.01	0.041	25.09	22.5	0.551	0.023



Position		Standalone SAR(W/kg)		Σ SAR1g (W/kg)
		LTE Band 5 ANT 1 Test Data EN-DC SAR	NR n78 SA ANT 5 Test Data EN-DC SAR	5G NR DC_5A_n78A
Head 0mm distance	Right Cheek	0.035	0.119	0.154
	Right Tilted	0.014	0.078	0.092
	Left Cheek	0.062	0.348	0.410
	Left Tilted	0.022	0.055	0.077
Unfold Body & Hotspot 10mm distance	Front	0.063	0.016	0.079
	Back	0.054	0.091	0.145
	Left	0.042	0.061	0.103
	Right	/	/	/
	Top	/	/	/
	Bottom	0.048	/	0.048
Fold Body & Hotspot 10mm distance	Front	0.024	0.116	0.140
	Back	0.048	0.026	0.074
	Left	/	0.083	0.083
	Right	/	/	/
	Top	0.054	0.037	0.091
	Bottom	0.034	/	0.034

Position		Standalone SAR(W/kg)		Σ SAR1g (W/kg)
		LTE Band 5 ANT 3 Test Data EN-DC SAR	NR n78 SA ANT 5 Test Data EN-DC SAR	5G NR DC_5A_n78A
Head 0mm distance	Right Cheek	0.247	0.119	0.366
	Right Tilted	0.060	0.078	0.138
	Left Cheek	0.298	0.348	0.646
	Left Tilted	0.076	0.055	0.131
Unfold Body & Hotspot 10mm distance	Front	0.200	0.016	0.216
	Back	0.141	0.091	0.232
	Left	/	0.061	0.061
	Right	0.251	/	0.251
	Top	0.020	/	0.020
	Bottom	/	/	/
Fold Body & Hotspot 10mm distance	Front	0.111	0.116	0.227
	Back	0.090	0.026	0.116
	Left	/	0.083	0.083
	Right	0.157	/	0.157
	Top	/	0.037	0.037
	Bottom	0.046	/	0.046



Position		Standalone SAR(W/kg)		Σ SAR1g (W/kg)
		LTE Band 5 ANT 1 Test Data EN-DC SAR	NR n78 SA ANT 7 Test Data EN-DC SAR	5G NR DC_5A_n78A
Head 0mm distance	Right Cheek	0.035	0.333	0.368
	Right Tilted	0.014	0.226	0.240
	Left Cheek	0.062	0.132	0.194
	Left Tilted	0.022	0.082	0.104
Unfold Body & Hotspot 10mm distance	Front	0.063	0.045	0.108
	Back	0.054	0.048	0.102
	Left	0.042	0.014	0.056
	Right	/	/	/
	Top	/	0.042	0.042
	Bottom	0.048	/	0.048
Fold Body & Hotspot 10mm distance	Front	0.024	0.030	0.054
	Back	0.048	0.012	0.060
	Left	/	0.017	0.017
	Right	/	/	/
	Top	0.054	/	0.054
	Bottom	0.034	0.026	0.060

Position		Standalone SAR(W/kg)		Σ SAR1g (W/kg)
		LTE Band 5 ANT 3 Test Data EN-DC SAR	NR n78 SA ANT 7 Test Data EN-DC SAR	5G NR DC_5A_n78A
Head 0mm distance	Right Cheek	0.247	0.333	0.580
	Right Tilted	0.060	0.226	0.286
	Left Cheek	0.298	0.132	0.430
	Left Tilted	0.076	0.082	0.158
Unfold Body & Hotspot 10mm distance	Front	0.200	0.045	0.245
	Back	0.141	0.048	0.189
	Left	/	0.014	0.014
	Right	0.251	/	0.251
	Top	0.020	0.042	0.062
	Bottom	/	/	/
Fold Body & Hotspot 10mm distance	Front	0.111	0.030	0.141
	Back	0.090	0.012	0.102
	Left	/	0.017	0.017
	Right	0.157	/	0.157
	Top	/	/	/
	Bottom	0.046	0.026	0.072



Position		Standalone SAR(W/kg)		Σ SAR1g (W/kg)
		LTE Band 5 ANT 1 Test Data EN-DC SAR	NR n78 SA ANT 8 Test Data EN-DC SAR	5G NR DC_5A_n78A
Head 0mm distance	Right Cheek	0.035	0.165	0.200
	Right Tilted	0.014	0.065	0.079
	Left Cheek	0.062	0.031	0.093
	Left Tilted	0.022	0.044	0.066
Unfold Body & Hotspot 10mm distance	Front	0.063	0.022	0.085
	Back	0.054	0.039	0.093
	Left	0.042	0.060	0.102
	Right	/	/	/
	Top	/	0.010	0.010
	Bottom	0.048	/	0.048
Fold Body & Hotspot 10mm distance	Front	0.024	0.036	0.060
	Back	0.048	0.025	0.073
	Left	/	0.049	0.049
	Right	/	/	/
	Top	0.054	/	0.054
	Bottom	0.034	0.012	0.046

Position		Standalone SAR(W/kg)		Σ SAR1g (W/kg)
		LTE Band 5 ANT 3 Test Data EN-DC SAR	NR n78 SA ANT 8 Test Data EN-DC SAR	5G NR DC_5A_n78A
Head 0mm distance	Right Cheek	0.247	0.165	0.412
	Right Tilted	0.060	0.065	0.125
	Left Cheek	0.298	0.031	0.329
	Left Tilted	0.076	0.044	0.120
Unfold Body & Hotspot 10mm distance	Front	0.200	0.022	0.222
	Back	0.141	0.039	0.180
	Left	/	0.060	0.060
	Right	0.251	/	0.251
	Top	0.020	0.010	0.030
	Bottom	/	/	/
Fold Body & Hotspot 10mm distance	Front	0.111	0.036	0.147
	Back	0.090	0.025	0.115
	Left	/	0.049	0.049
	Right	0.157	/	0.157
	Top	/	/	/
	Bottom	0.046	0.012	0.058



Position		Standalone SAR(W/kg)		Σ SAR1g (W/kg)
		LTE Band 5 ANT 1 Test Data EN-DC SAR	NR n78 SA ANT 10 Test Data EN-DC SAR	5G NR DC_5A_n78A
Head 0mm distance	Right Cheek	0.035	0.019	0.054
	Right Tilted	0.014	0.017	0.031
	Left Cheek	0.062	0.019	0.081
	Left Tilted	0.022	0.014	0.036
Unfold Body & Hotspot 10mm distance	Front	0.063	0.045	0.108
	Back	0.054	0.099	0.153
	Left	0.042	0.066	0.108
	Right	/	/	/
	Top	/	0.063	0.063
	Bottom	0.048	/	0.048
Fold Body & Hotspot 10mm distance	Front	0.024	0.030	0.054
	Back	0.048	0.013	0.061
	Left	/	0.024	0.024
	Right	/	/	/
	Top	0.054	/	0.054
	Bottom	0.034	0.023	0.057

Position		Standalone SAR(W/kg)		Σ SAR1g (W/kg)
		LTE Band 5 ANT 3 Test Data EN-DC SAR	NR n78 SA ANT 10 Test Data EN-DC SAR	5G NR DC_5A_n78A
Head 0mm distance	Right Cheek	0.247	0.019	0.266
	Right Tilted	0.060	0.017	0.077
	Left Cheek	0.298	0.019	0.317
	Left Tilted	0.076	0.014	0.090
Unfold Body & Hotspot 10mm distance	Front	0.200	0.045	0.245
	Back	0.141	0.099	0.240
	Left	/	0.066	0.066
	Right	0.251	/	0.251
	Top	0.020	0.063	0.083
	Bottom	/	/	/
Fold Body & Hotspot 10mm distance	Front	0.111	0.030	0.141
	Back	0.090	0.013	0.103
	Left	/	0.024	0.024
	Right	0.157	/	0.157
	Top	/	/	/
	Bottom	0.046	0.023	0.069



Note:

The 5G NR (NSA) SAR measurement procedure should be followed the TCB workshop publication in October 2020:

- a. If the signal uplink 1-g SAR values for each band are both less than 0.8 W/kg and the algebraic summation of the 1-g SAR values are less than 1.45 W/kg no additional measurements need to be performed.
- b. If one or the signal uplink 1-g SAR values is greater than 0.8 W/kg, instead of algebraically summing the 1-g SAR values, sum up the SAR distributions, similar to the enlarged zoom scan (volume scan) procedures found in FCC KDB Publication 865664 D01. And PAG is required for this case



Position		MAX ENDC SAR	Max WIFI and Bluetooth Simultaneous SAR	Max Simultaneous \sum 1-g SAR(W/Kg) (WIFI and BT MAX SAR + MAX ENDC SAR)
Head 0mm distance	Right Cheek	0.580	0.378	0.958
	Right Tilted	0.286	0.339	0.625
	Left Cheek	0.646	0.617	1.263
	Left Tilted	0.158	0.555	0.713
Unfold Body & Hotspot 10mm distance	Front	0.245	0.171	0.416
	Back	0.240	0.333	0.573
	Left	0.108	/	0.108
	Right	0.251	0.067	0.318
	Top	0.083	0.255	0.338
	Bottom	0.048	/	0.048
Fold Body & Hotspot 10mm distance	Front	0.227	0.316	0.543
	Back	0.116	0.048	0.164
	Left	0.083	/	0.083
	Right	0.157	0.095	0.252
	Top	0.091	/	0.091
	Bottom	0.072	0.219	0.291

SAR to PeakLocation SeparationRatio (SPLSR)

As the Sum of the SAR is not greater than 1.6 W/kg SPLSR assessment is not required



Simultaneous Tx Combination of GSM/WCDMA/LTE and BT/WIFI (Head)

Test Position/Freq.	Right Cheek	Right Tilted	Left Cheek	Left Tilted
GSM850 ANT 1	0.063	0.033	0.093	0.028
GSM850 ANT 3	0.382	0.101	0.455	0.126
GSM1900 ANT 2	0.028	0.009	0.018	0.008
GSM1900 ANT 6	0.609	0.764	0.558	0.662
CDMA BC 0 ANT 1	0.066	0.026	0.113	0.041
CDMA BC 0 ANT 3	0.599	0.144	0.755	0.177
WCDMA 850 ANT 1	0.057	0.030	0.083	0.037
WCDMA 850 ANT 3	0.456	0.109	0.609	0.135
WCDMA 1700 ANT 2	0.038	0.014	0.029	0.012
WCDMA 1700 ANT 6	0.686	0.892	0.599	0.791
WCDMA 1900 ANT 2	0.038	0.014	0.028	0.011
WCDMA 1900 ANT 6	0.500	0.723	0.453	0.563
LTE Band 2 ANT 2	0.075	0.026	0.053	0.022
LTE Band 2 ANT 6	0.510	0.744	0.459	0.674
LTE Band 4 ANT 2	0.095	0.032	0.068	0.029
LTE Band 4 ANT 6	0.583	0.790	0.560	0.722
LTE Band 5 ANT 1	0.063	0.025	0.110	0.039
LTE Band 5 ANT 3	0.620	0.150	0.748	0.192
LTE Band 7 ANT 2	0.060	0.023	0.047	0.018
LTE Band 7 ANT 6	0.382	0.519	0.463	0.635
LTE Band 12 ANT 1	0.054	0.022	0.096	0.034
LTE Band 12 ANT 3	0.637	0.158	0.664	0.201
LTE Band 17 ANT 1	0.051	0.021	0.089	0.032
LTE Band 17 ANT 3	0.649	0.162	0.678	0.211
LTE Band 41 ANT 2	0.042	0.016	0.033	0.012
LTE Band 41 ANT 4	0.309	0.044	0.579	0.049
LTE Band 41 ANT 6	0.459	0.512	0.522	0.680
LTE Band 41 ANT 8	0.758	0.481	0.505	0.325
5G NR 5 ANT 1	0.057	0.023	0.099	0.036
5G NR 5 ANT 3	0.414	0.136	0.534	0.171
5G NR 41 ANT 2	0.022	0.009	0.016	0.007
5G NR 41 ANT 4	0.316	0.046	0.509	0.051
5G NR 41 ANT 6	0.537	0.690	0.612	0.780
5G NR 41 ANT 8	0.758	0.421	0.517	0.291
5G NR 77 ANT 5	0.250	0.168	0.723	0.116
5G NR 77 ANT 7	0.662	0.462	0.221	0.168
5G NR 77 ANT 8	0.241	0.051	0.127	0.034
5G NR 77 ANT 10	0.038	0.032	0.035	0.028
5G NR 78 ANT 5	0.238	0.156	0.694	0.109
5G NR 78 ANT 7	0.665	0.451	0.263	0.164
5G NR 78 ANT 8	0.330	0.131	0.063	0.088

Head
MAX 1-g
SAR(W/Kg)
0mm distance



	5G NR 78 ANT 10	0.038	0.033	0.038	0.029
	WWAN MAX SAR	0.758	0.892	0.755	0.791
	WIFI/BT MAX SAR	0.454	0.392	0.665	0.622
	Max Simultaneous \sum 1-g SAR(W/Kg) (WIFI/BT MAX SAR +WWAN ANT MAX SAR)	1.212	1.284	1.420	1.413



Simultaneous Tx Combination of GSM/WCDMA/LTE and BT/WIFI (Body-worn).

Test Position	Front	Back	Left	Right	Top	Bottom
GSM850 ANT 1	0.131	0.086	/	/	/	/
GSM850 ANT 3	0.422	0.207	/	/	/	/
GSM1900 ANT 2	0.129	0.120	/	/	/	/
GSM1900 ANT 6	0.480	0.445	/	/	/	/
CDMA BC 0 ANT 1	0.148	0.129	/	/	/	/
CDMA BC 0 ANT 3	0.386	0.263	/	/	/	/
WCDMA 850 ANT 1	0.128	0.055	/	/	/	/
WCDMA 850 ANT 3	0.480	0.330	/	/	/	/
WCDMA 1700 ANT 2	0.289	0.272	/	/	/	/
WCDMA 1700 ANT 6	0.582	0.527	/	/	/	/
WCDMA 1900 ANT 2	0.259	0.245	/	/	/	/
WCDMA 1900 ANT 6	0.371	0.340	/	/	/	/
LTE Band 2 ANT 2	0.185	0.175	/	/	/	/
LTE Band 2 ANT 6	0.311	0.286	/	/	/	/
LTE Band 4 ANT 2	0.329	0.311	/	/	/	/
LTE Band 4 ANT 6	0.606	0.575	/	/	/	/
LTE Band 5 ANT 1	0.095	0.081	/	/	/	/
LTE Band 5 ANT 3	0.399	0.282	/	/	/	/
LTE Band 7 ANT 2	0.175	0.192	/	/	/	/
LTE Band 7 ANT 6	0.259	0.298	/	/	/	/
LTE Band 12 ANT 1	0.115	0.100	/	/	/	/
LTE Band 12 ANT 3	0.533	0.374	/	/	/	/
LTE Band 17 ANT 1	0.119	0.102	/	/	/	/
LTE Band 17 ANT 3	0.625	0.446	/	/	/	/
LTE Band 41 ANT 2	0.102	0.117	/	/	/	/
LTE Band 41 ANT 4	0.199	0.521	/	/	/	/
LTE Band 41 ANT 6	0.157	0.184	/	/	/	/
LTE Band 41 ANT 8	0.435	0.267	/	/	/	/
5G NR 5 ANT 1	0.139	0.115	/	/	/	/
5G NR 5 ANT 3	0.355	0.255	/	/	/	/
5G NR 41 ANT 2	0.106	0.116	/	/	/	/
5G NR 41 ANT 4	0.332	0.287	/	/	/	/
5G NR 41 ANT 6	0.081	0.097	/	/	/	/
5G NR 41 ANT 8	0.376	0.236	/	/	/	/
5G NR 77 ANT 5	0.086	0.268	/	/	/	/
5G NR 77 ANT 7	0.198	0.212	/	/	/	/
5G NR 77 ANT 8	0.051	0.088	/	/	/	/
5G NR 77 ANT 10	0.091	0.204	/	/	/	/
5G NR 78 ANT 5	0.033	0.181	/	/	/	/
5G NR 78 ANT 7	0.090	0.096	/	/	/	/
5G NR 78 ANT 8	0.045	0.078	/	/	/	/

Unfold
Body-worn
MAX 1-g
SAR(W/Kg)
10mm
distance



	5G NR 78 ANT 10	0.089	0.197	/	/	/	/
	WWAN MAX SAR	0.625	0.575	/	/	/	/
	WIFI/BT MAX SAR	0.395	0.755	/	/	/	/
	Max Simultaneous \sum 1-g SAR(W/Kg) (WIFI/BT MAX SAR +WWAN ANT MAX SAR)	1.020	1.330	/	/	/	/



Test Position		Front	Back	Left	Right	Top	Bottom
Fold Body-worn MAX 1-g SAR(W/Kg) 10mm distance	GSM850 ANT 1	0.033	0.043	/	/	/	/
	GSM850 ANT 3	0.236	0.179	/	/	/	/
	GSM1900 ANT 2	0.022	0.033	/	/	/	/
	GSM1900 ANT 6	0.062	0.064	/	/	/	/
	CDMA BC 0 ANT 1	0.054	0.107	/	/	/	/
	CDMA BC 0 ANT 3	0.229	0.194	/	/	/	/
	WCDMA 850 ANT 1	0.035	0.052	/	/	/	/
	WCDMA 850 ANT 3	0.344	0.293	/	/	/	/
	WCDMA 1700 ANT 2	0.055	0.082	/	/	/	/
	WCDMA 1700 ANT 6	0.146	0.150	/	/	/	/
	WCDMA 1900 ANT 2	0.029	0.044	/	/	/	/
	WCDMA 1900 ANT 6	0.106	0.108	/	/	/	/
	LTE Band 2 ANT 2	0.030	0.047	/	/	/	/
	LTE Band 2 ANT 6	0.084	0.078	/	/	/	/
	LTE Band 4 ANT 2	0.080	0.124	/	/	/	/
	LTE Band 4 ANT 6	0.093	0.085	/	/	/	/
	LTE Band 5 ANT 1	0.047	0.096	/	/	/	/
	LTE Band 5 ANT 3	0.222	0.179	/	/	/	/
	LTE Band 7 ANT 2	0.099	0.200	/	/	/	/
	LTE Band 7 ANT 6	0.134	0.061	/	/	/	/
	LTE Band 12 ANT 1	0.045	0.093	/	/	/	/
	LTE Band 12 ANT 3	0.136	0.115	/	/	/	/
	LTE Band 17 ANT 1	0.043	0.088	/	/	/	/
	LTE Band 17 ANT 3	0.116	0.133	/	/	/	/
	LTE Band 41 ANT 2	0.041	0.083	/	/	/	/
	LTE Band 41 ANT 4	0.313	0.078	/	/	/	/
	LTE Band 41 ANT 6	0.109	0.043	/	/	/	/
	LTE Band 41 ANT 8	0.162	0.143	/	/	/	/
	5G NR 5 ANT 1	0.051	0.106	/	/	/	/
	5G NR 5 ANT 3	0.121	0.135	/	/	/	/
	5G NR 41 ANT 2	0.026	0.051	/	/	/	/
	5G NR 41 ANT 4	0.111	0.030	/	/	/	/
	5G NR 41 ANT 6	0.119	0.040	/	/	/	/
5G NR 41 ANT 8	0.123	0.108	/	/	/	/	
5G NR 77 ANT 5	0.221	0.049	/	/	/	/	
5G NR 77 ANT 7	0.091	0.036	/	/	/	/	
5G NR 77 ANT 8	0.077	0.052	/	/	/	/	
5G NR 77 ANT 10	0.028	0.157	/	/	/	/	
5G NR 78 ANT 5	0.231	0.052	/	/	/	/	
5G NR 78 ANT 7	0.061	0.024	/	/	/	/	
5G NR 78 ANT 8	0.073	0.049	/	/	/	/	



	5G NR 78 ANT 10	0.081	0.034	/	/	/	/
	WWAN MAX SAR	0.344	0.293	/	/	/	/
	WIFI/BT MAX SAR	0.748	0.108	/	/	/	/
	Max Simultaneous \sum 1-g SAR(W/Kg) (WIFI/BT MAX SAR +WWAN ANT MAX SAR)	1.092	0.401	/	/	/	/



Simultaneous Tx Combination of GSM/WCDMA/LTE and WIFI (Hotspot).

Test Position	Front	Back	Left	Right	Top	Bottom
GSM850 ANT 1	0.131	0.086	0.039	/	/	0.058
GSM850 ANT 3	0.422	0.207	/	0.380	0.030	/
GSM1900 ANT 2	0.129	0.120	/	0.054	/	0.185
GSM1900 ANT 6	0.480	0.445	0.167	/	0.626	/
CDMA BC 0 ANT 1	0.148	0.129	0.103	/	/	0.121
CDMA BC 0 ANT 3	0.386	0.263	/	0.494	0.038	
WCDMA 850 ANT 1	0.128	0.055	0.036	/	/	0.049
WCDMA 850 ANT 3	0.480	0.330	/	0.645	0.048	
WCDMA 1700 ANT 2	0.289	0.272	/	0.123	/	0.369
WCDMA 1700 ANT 6	0.582	0.527	0.202	/	0.760	/
WCDMA 1900 ANT 2	0.259	0.245	/	0.111	/	0.276
WCDMA 1900 ANT 6	0.371	0.340	0.130	/	0.475	
LTE Band 2 ANT 2	0.185	0.175	/	0.077	/	0.299
LTE Band 2 ANT 6	0.311	0.286	0.111	/	0.503	/
LTE Band 4 ANT 2	0.329	0.311	/	0.135	/	0.440
LTE Band 4 ANT 6	0.606	0.575	0.217	/	0.771	/
LTE Band 5 ANT 1	0.095	0.081	0.063	/	/	0.073
LTE Band 5 ANT 3	0.399	0.282	/	0.501	0.040	/
LTE Band 7 ANT 2	0.175	0.192	/	0.101		0.159
LTE Band 7 ANT 6	0.259	0.298	0.153	/	0.756	/
LTE Band 12 ANT 1	0.115	0.100	0.076	/	/	0.089
LTE Band 12 ANT 3	0.533	0.374	/	0.713	0.053	/
LTE Band 17 ANT 1	0.119	0.102	0.077		/	0.091
LTE Band 17 ANT 3	0.625	0.446	/	0.752	0.064	/
LTE Band 41 ANT 2	0.102	0.117	/	0.057	/	0.087
LTE Band 41 ANT 4	0.199	0.521	0.200	/	/	/
LTE Band 41 ANT 6	0.157	0.184	0.090	/	0.475	/
LTE Band 41 ANT 8	0.435	0.267	0.596	/	0.053	/
5G NR 5 ANT 1	0.139	0.115	0.087	/		0.102
5G NR 5 ANT 3	0.355	0.255	/	0.439	0.036	
5G NR 41 ANT 2	0.106	0.116	/	0.060	/	0.091
5G NR 41 ANT 4	0.332	0.287	0.128	/	/	/
5G NR 41 ANT 6	0.081	0.097	0.048	/	0.259	/
5G NR 41 ANT 8	0.376	0.236	0.696	/	0.044	/
5G NR 77 ANT 5	0.086	0.268	0.182	/	/	/
5G NR 77 ANT 7	0.198	0.212	0.061	/	0.184	/
5G NR 77 ANT 8	0.051	0.088	0.134	/	0.022	/
5G NR 77 ANT 10	0.091	0.204	0.147	/	0.129	/
5G NR 78 ANT 5	0.033	0.181	0.123	/	/	/
5G NR 78 ANT 7	0.090	0.096	0.027	/	0.083	/
5G NR 78 ANT 8	0.045	0.078	0.120	/	0.020	/

Unfold
Hotspot
MAX 1-g
SAR(W/Kg)
10mm
distance



	5G NR 78 ANT 10	0.089	0.197	0.131	/	0.125	/
	WWAN MAX SAR	0.625	0.575	0.696	0.752	0.771	0.440
	WIFI/BT MAX SAR	0.643	0.466	/	0.274	0.526	/
	Max Simultaneous \sum 1-g SAR(W/Kg) (WIFI/BT MAX SAR +WWAN ANT MAX SAR)	1.268	1.041	0.696	1.026	1.297	0.440



Test Position		Front	Back	Left	Right	Top	Bottom
Fold Hotspot MAX 1-g SAR(W/Kg) 10mm distance	GSM850 ANT 1	0.033	0.043	0.100	/	/	0.069
	GSM850 ANT 3	0.236	0.179	/	0.316	/	0.091
	GSM1900 ANT 2	0.022	0.033	/	0.027	/	0.067
	GSM1900 ANT 6	0.062	0.064	0.030	/	0.280	/
	CDMA BC 0 ANT 1	0.054	0.107	0.124	/	/	0.080
	CDMA BC 0 ANT 3	0.229	0.194	0.344	/	/	0.099
	WCDMA 850 ANT 1	0.035	0.052	0.094	/	/	0.074
	WCDMA 850 ANT 3	0.344	0.293	/	0.511	/	0.147
	WCDMA 1700 ANT 2	0.055	0.082	/	0.067	/	0.117
	WCDMA 1700 ANT 6	0.146	0.150	0.071	/	/	0.594
	WCDMA 1900 ANT 2	0.029	0.044	/	0.036	/	0.070
	WCDMA 1900 ANT 6	0.106	0.108	0.051	/	/	0.405
	LTE Band 2 ANT 2	0.030	0.047	/	0.036	/	0.079
	LTE Band 2 ANT 6	0.084	0.078	0.045	/	/	0.390
	LTE Band 4 ANT 2	0.080	0.124	/	0.095	/	0.172
	LTE Band 4 ANT 6	0.093	0.085	0.050	/	/	0.371
	LTE Band 5 ANT 1	0.047	0.096	0.108	/	/	0.068
	LTE Band 5 ANT 3	0.222	0.179	/	0.314	/	0.092
	LTE Band 7 ANT 2	0.099	0.200	/	0.100	/	0.155
	LTE Band 7 ANT 6	0.134	0.061	0.113	/	/	0.177
	LTE Band 12 ANT 1	0.045	0.093	0.108	/	/	0.068
	LTE Band 12 ANT 3	0.136	0.115	/	0.171	/	0.058
	LTE Band 17 ANT 1	0.043	0.088	0.104	/	/	0.063
	LTE Band 17 ANT 3	0.116	0.133	/	0.199	/	0.066
	LTE Band 41 ANT 2	0.041	0.083	/	0.042	/	0.066
	LTE Band 41 ANT 4	0.313	0.078	0.159	/	0.114	/
	LTE Band 41 ANT 6	0.109	0.043	0.079	/	/	0.152
	LTE Band 41 ANT 8	0.162	0.143	0.410	/	/	0.105
	5G NR 5 ANT 1	0.051	0.106	0.122	/	/	0.074
	5G NR 5 ANT 3	0.121	0.135	/	0.239	/	0.073
	5G NR 41 ANT 2	0.026	0.051	/	0.027	/	0.042
	5G NR 41 ANT 4	0.111	0.030	0.059	/	0.043	/
	5G NR 41 ANT 6	0.119	0.040	0.078	/	/	0.140
	5G NR 41 ANT 8	0.123	0.108	0.390	/	/	0.080
5G NR 77 ANT 5	0.221	0.049	0.160	/	0.070	/	
5G NR 77 ANT 7	0.091	0.036	0.050	/	/	0.077	
5G NR 77 ANT 8	0.077	0.052	0.101	/	/	0.025	
5G NR 77 ANT 10	0.028	0.157	0.114	/	/	0.099	
5G NR 78 ANT 5	0.231	0.052	0.167	/	0.073	/	
5G NR 78 ANT 7	0.061	0.024	0.033	/	/	0.051	
5G NR 78 ANT 8	0.073	0.049	0.098	/	/	0.023	



	5G NR 78 ANT 10	0.081	0.034	0.062	/	/	0.059
	WWAN MAX SAR	0.344	0.293	0.410	0.511	0.280	0.594
	WIFI/BT MAX SAR	0.656	0.108	/	0.261	/	0.434
	Max Simultaneous \sum 1-g SAR(W/Kg) (WIFI/BT MAX SAR +WWAN ANT MAX SAR)	1.000	0.401	0.410	0.772	0.280	1.028

SAR to Peak Location Separation Ratio (SPLSR)

As the Sum of the SAR is not greater than 1.6 W/kg SPLSR assessment is not required

13.Measurement Uncertainty

No.	Uncertainty Component	Type	Uncertainty Value (%)	Probability Distribution	k	ci	Standard Uncertainty (%) $u_i(\%)$	Degree of freedom ν_{eff} or ν_i
Measurement System								
1	– Probe Calibration	B	5.8	N	1	1	5.8	∞
2	– Axial isotropy	B	3.5	R	$\sqrt{3}$	0.5	1.43	∞
3	– Hemispherical Isotropy	B	5.9	R	$\sqrt{3}$	0.5	2.41	∞
4	– Boundary Effect	B	1	R	$\sqrt{3}$	1	0.58	∞
5	– Linearity	B	4.7	R	$\sqrt{3}$	1	2.71	∞
6	– System Detection Limits	B	1.0	R	$\sqrt{3}$	1	0.58	∞
7	Modulation response	B	3	N	1	1	3.00	
8	– Readout Electronics	B	0.5	N	1	1	0.50	∞
9	– Response Time	B	1.4	R	$\sqrt{3}$	1	0.81	∞
10	– Integration Time	B	3.0	R	$\sqrt{3}$	1	1.73	∞
11	– RF Ambient Conditions	B	3.0	R	$\sqrt{3}$	1	1.73	∞
12	– Probe Position Mechanical tolerance	B	1.4	R	$\sqrt{3}$	1	0.81	∞
13	– Probe Position with respect to Phantom Shell	B	1.4	R	$\sqrt{3}$	1	0.81	∞
14	– Extrapolation, Interpolation and Integration Algorithms for Max. SAR evaluation	B	2.3	R	$\sqrt{3}$	1	1.33	∞
Uncertainties of the DUT								



15	- Position of the DUT	A	2.6	N	$\sqrt{3}$	1	2.6	5
16	- Holder of the DUT	A	3	N	$\sqrt{3}$	1	3.0	5
17	- Output Power Variation – SAR drift measurement	B	5.0	R	$\sqrt{3}$	1	2.89	∞
Phantom and Tissue Parameters								
18	- Phantom Uncertainty(shape and thickness tolerances)	B	4	R	$\sqrt{3}$	1	2.31	∞
19	Uncertainty in SAR correction for deviation(in permittivity and conductivity)	B	2	N	1	1	2.00	
20	- Liquid Conductivity Target – tolerance	B	2.5	R	$\sqrt{3}$	0.6	1.95	∞
21	- Liquid Conductivity – measurement Uncertainty)	B	4	N	$\sqrt{3}$	1	0.92	9
22	- Liquid Permittivity Target tolerance	B	2.5	R	$\sqrt{3}$	0.6	1.95	∞
23	- Liquid Permittivity – measurement uncertainty	B	5	N	$\sqrt{3}$	1	1.15	∞
Combined Standard Uncertainty				RSS			10.63	
Expanded uncertainty (Confidence interval of 95 %)				K=2			21.26	



14. System Check Uncertainty

No.	Uncertainty Component	Type	Uncertainty Value (%)	Probability Distribution	k	ci	Standard Uncertainty (%) $u_i(\%)$	Degree of freedom v_{eff} or v_i
Measurement System								
1	– Probe Calibration	B	5.8	N	1	1	5.8	∞
2	– Axial isotropy	B	3.5	R	$\sqrt{3}$	0.5	1.43	∞
3	– Hemispherical Isotropy	B	5.9	R	$\sqrt{3}$	0.5	2.41	∞
4	– Boundary Effect	B	1	R	$\sqrt{3}$	1	0.58	∞
5	– Linearity	B	4.7	R	$\sqrt{3}$	1	2.71	∞
6	– System Detection Limits	B	1	R	$\sqrt{3}$	1	0.58	∞
7	Modulation response	B	0	N	1	1	0.00	
8	– Readout Electronics	B	0.5	N	1	1	0.50	∞
9	– Response Time	B	0.00	R	$\sqrt{3}$	1	0.00	∞
10	– Integration Time	B	1.4	R	$\sqrt{3}$	1	0.81	∞
11	– RF Ambient Conditions	B	3.0	R	$\sqrt{3}$	1	1.73	∞
12	– Probe Position Mechanical tolerance	B	1.4	R	$\sqrt{3}$	1	0.81	∞
13	– Probe Position with respect to Phantom Shell	B	1.4	R	$\sqrt{3}$	1	0.81	∞
14	– Extrapolation, Interpolation and Integration Algorithms for Max. SAR evaluation	B	2.3	R	$\sqrt{3}$	1	1.33	∞
Uncertainties of the DUT								



15	Deviation of experimental source from numerical source	A	4	N	1	1	4.00	5
16	Input Power and SAR drift measurement	A	5	R	$\sqrt{3}$	1	2.89	5
17	Dipole Axis to Liquid Distance	B	2	R	$\sqrt{3}$	1	1.2	∞
Phantom and Tissue Parameters								
18	– Phantom Uncertainty(shape and thickness tolerances)	B	4	R	$\sqrt{3}$	1	2.31	∞
19	Uncertainty in SAR correction for deviation(in permittivity and conductivity)	B	2	N	1	1	2.00	
20	– Liquid Conductivity Target – tolerance	B	2.5	R	$\sqrt{3}$	0.6	1.95	∞
21	– Liquid Conductivity – measurement Uncertainty)	B	4	N	$\sqrt{3}$	1	0.92	9
22	– Liquid Permittivity Target tolerance	B	2.5	R	$\sqrt{3}$	0.6	1.95	∞
23	– Liquid Permittivity – measurement uncertainty	B	5	N	$\sqrt{3}$	1	1.15	∞
Combined Standard Uncertainty				RSS			10.15	
Expanded uncertainty (Confidence interval of 95 %)				K=2			20.29	



15. Equipment List

This table is a complete overview of the SAR measurement equipment. Devices used during the test described are marked .

	EQUIPMENT	Model	Serial number	Calibration Date	Due Date
<input checked="" type="checkbox"/>	SAR Probe	SSE2	3223-EPGO-422	2023/08/28	2024/08/27
<input checked="" type="checkbox"/>	SAR Probe	SSE2	SN 41/18 EPGO330	2024/01/24	2025/01/23
<input checked="" type="checkbox"/>	Dipole	SID750	SN 23/15 DIP0G750-378	2023/05/24	2026/05/23
<input checked="" type="checkbox"/>	Dipole	SID835	SN 09/13 DIP0G835-217	2023/05/24	2026/05/23
<input checked="" type="checkbox"/>	Dipole	SID1800	SN 09/13 DIP1G800-216	2023/05/24	2026/05/23
<input checked="" type="checkbox"/>	Dipole	SID1900	SN 09/13 DIP1G900-218	2023/05/24	2026/05/23
<input checked="" type="checkbox"/>	Dipole	SID2300	SN 20/20 DIP2G300-525	2023/05/24	2026/05/23
<input checked="" type="checkbox"/>	Dipole	SID2450	SN 09/13 DIP2G450-220	2023/05/24	2026/05/23
<input checked="" type="checkbox"/>	Dipole	SID2600	SN 32/14 DIP2G600-338	2023/05/24	2026/05/23
<input checked="" type="checkbox"/>	Dipole	SID3500	SN 50/20 DIP3G500-527	2023/05/24	2026/05/23
<input checked="" type="checkbox"/>	Dipole	SID3700	SN 50/20 DIP3G700-528	2023/05/24	2026/05/23
<input checked="" type="checkbox"/>	Dipole	SID3900	SN 50/20 DIP3G900-529	2023/05/24	2026/05/23
<input checked="" type="checkbox"/>	Dipole	SWG5500	SN15/15 WGA39	2023/05/25	2026/05/24
<input checked="" type="checkbox"/>	Multimeter	Keithley-2000	4014020	2024/01/18	2025/01/17
<input checked="" type="checkbox"/>	System Simulator(R&S)	CMW500	130805	2023/07/13	2024/07/12
<input checked="" type="checkbox"/>	KEYSIGHT	E7515A	MY56040357	2024/01/18	2025/01/17
<input checked="" type="checkbox"/>	Vector Network Analyzer(R&S)	ZVB8	100343	2024/01/18	2025/01/17
<input checked="" type="checkbox"/>	PC 3.5 Fixed Match Calibration Kit	ZV-Z32	100571	2024/01/18	2025/01/17
<input checked="" type="checkbox"/>	Dielectric Probe Kit	SCLMP	SN 09/13 OCPG51	2024/01/18	2025/01/17
<input checked="" type="checkbox"/>	Signal Generator	SMU100A	177649	2024/01/18	2025/01/17
<input checked="" type="checkbox"/>	Amplifier	Nucletudes	143060	2024/01/18	2025/01/17
<input checked="" type="checkbox"/>	Directional Coupler	DC6180A	305827	2023/06/15	2024/06/14
<input checked="" type="checkbox"/>	Power Meter	NRP2	103434	2024/01/18	2025/01/17



ANNEX A: Appendix A: SAR System performance Check Plots

(Please See Appendix A)

ANNEX B: Appendix B: SAR Measurement results Plots

(Please See Appendix B)

ANNEX C: Appendix C: Calibration reports

(Please See Appendix C)

ANNEX D: Appendix D: SAR Test Setup

(Please See Appendix D)

—End of the Report—