



SAR TEST REPORT

Product Name: 5G Smart phone

Model Number: A101, TANK 5 Pro, TANK 5

FCC ID: 2BAVY-A101

Issued For : Shenzhen OBLUE Communication Technology Co.,Ltd.

Room 702, Hepingdayou industrial and trade industrial park,
No. 41, Yonghe Road, Heping Community, Fuhai Street,
Baoan District, Shenzhen City, China

Issued By : Shenzhen LGT Test Service Co., Ltd.

Room 205, Building 13, Zone B, Zhenxiong Industrial Park,
No.177, Renmin West Road, Jinsha, Kengzi Street,
Pingshan District, Shenzhen, Guangdong, China

Report Number: LGT26D062HA01

Sample Received Date: Feb 26, 2026

Date of Test Feb 26, 2026 ~ June 12, 2026

Date of Issue June 12, 2026

Head: 0.589 W/kg

Max. SAR (1g)

Body: 1.325 W/kg

The test report is effective only with both signature and specialized stamp. This report shall not be reproduced except in full without the written approval of the Laboratory. The results in this report only apply to the tested sample.



Table of Contents

1. General Information	5
1.1 EUT Description	5
1.2 Test Environment	8
1.3 Test Factory	8
2. Test Standards and Limits	9
3. SAR Measurement System	10
3.1 Definition of Specific Absorption Rate (SAR)	10
3.2 SAR System	10
4. Tissue Simulating Liquids	13
4.1 Simulating Liquids Parameter Check	13
5. SAR System Validation	16
5.1 Validation System	16
5.2 Validation Result	17
6. SAR Evaluation Procedures	18
7. EUT Antenna Location Sketch	19
7.1 SAR test exclusion consider table	20
8. EUT Test Position	30
8.1 Define Two Imaginary Lines on the Handset	30
8.2 Hotspot mode exposure position condition	31
9. Uncertainty	32
9.1 Measurement Uncertainty	32
9.2 System validation Uncertainty	33
10. Conducted Power Measurement	34
10.1 Test Result	34
11. EUT and Test Setup Photo	308
11.1 EUT Photos	308
11.2 Setup Photos	311
12. SAR Result Summary	317
12.1 Head SAR	317
12.2 Body-worn and Hotspot SAR	330
12.3 Repeated SAR	345
12.4 Repeated SAR measurement	346
12.5 Simultaneous Multi-band Transmission Evaluation	347
13. Equipment List	352



Appendix A. System Validation Plots	353
Appendix B. SAR Test Plots	399
Appendix C. Probe Calibration and Dipole Calibration Report	507

Revision History

Rev.	Issue Date	Contents
00	June 12, 2026	Initial Issue



TEST REPORT CERTIFICATION

Applicant Shenzhen OBLUE Communication Technology Co.,Ltd.
Room 702, Hepingdayou industrial and trade industrial park, No. 41,
Address Yonghe Road, Heping Community, Fuhai Street, Baoan District,
Shenzhen City,China

Manufacture Shenzhen OBLUE Communication Technology Co.,Ltd.
Room 702, Hepingdayou industrial and trade industrial park, No. 41,
Address Yonghe Road, Heping Community, Fuhai Street, Baoan District,
Shenzhen City,China

Product Name 5G Smart phone

Trademark 8849, Unihertz, iHunt

Model Number A101, TANK 5 Pro, TANK 5

Sample number LGT2604114-4

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
ANSI/IEEE Std. C95.1-2019 FCC 47 CFR Part 2 (2.1093) IEEE 1528: 2013	PASS

Prepared by:

Deng Deng

Deng Deng
Engineer

Approved by:

Vita Li

Vita Li
Manager





1. General Information

Environmental evaluation measurements of specific absorption rate (SAR) distributions in emulated human head and body tissues exposed to radio frequency (RF) radiation from wireless portable devices for compliance with the rules and regulations of the U.S. Federal Communications Commission (FCC).

1.1 EUT Description

Product Name	5G Smart phone		
Test Model Number	A101		
Series Number	TANK 5 Pro, TANK 5		
Model Difference	All models are identical, only TANK 5 does not have the thermal imaging function compared to TANK5 Pro.		
Device Category	Portable		
Product stage	Production unit		
RF Exposure Environment	General Population / Uncontrolled		
Hardware Version	A101_V1.1		
Software Version	A101_20260408		
Frequency Range	GSM	GSM 850	824~849 MHz
		PCS 1900	1850~1910 MHz
	WCDMA	Band II	1850~1910 MHz
		Band IV	1710~1755 MHz
		Band V	824~849 MHz
	LTE	Band 2	1850~1910MHz
		Band 4	1710~1755MHz
		Band 5	824~849MHz
		Band 7	2500~2570MHz
		Band 12	699~716MHz
		Band 13	777~787MHz
		Band 17	704 ~ 716MHz
		Band 25	1850~1915MHz
		Band 26	814~824MHz; 824-849MHz
		Band 38	2570~2620MHz
		Band 40	2305~2315MHz; 2350-2360MHz
		Band 41	2496~2690MHz
		Band 66	1710~1780MHz
		Band 71	663~698MHz
	NR	N2	1850 MHz ~ 1910 MHz
		N5	824 MHz ~ 849 MHz
		N7	2500 MHz ~2570 MHz
		N12	699~716MHz
		N13	777~787MHz



		N25	1850 MHz ~1915 MHz	
		N26	814~824MHz/824-849MHz	
		N38	2570 MHz ~2620 MHz	
		N41	2496 MHz ~ 2690 MHz	
		N66	1710~1780MHz	
		N71	663~698MHz	
		N77	3450 MHz ~ 3550 MHz, 3700 MHz ~ 3980 MHz	
		N78	3450 MHz ~ 3550 MHz, 3700 MHz ~ 3800 MHz	
	NSA	DC_A5+N77	N/A	
	WLAN	2412~2462 MHz	5150~5250 MHz	
5250~5350 MHz		5470~5725 MHz		
5725~5850 MHz				
Bluetooth	2402~2480 MHz			
NFC	13.56MHz			
Max. Reported SAR(1g): (Limit:1.6W/kg) Head:0mm Body:10mm	Mode	Head (W/ kg)	Body Worn and Hotspot (W/ kg)	
	GSM 850	0.068	0.038	
	PCS 1900	0.315	0.679	
	WCDMA Band II	0.230	0.784	
	WCDMA Band IV	0.266	0.493	
	WCDMA Band V	0.101	0.078	
	LTE Band 2	0.388	0.763	
	LTE Band 4	0.274	0.380	
	LTE Band 5	0.204	0.180	
	LTE Band 7	0.149	0.338	
	LTE Band 12	0.048	0.044	
	LTE Band 13	0.078	0.075	
	LTE Band 17	0.058	0.106	
	LTE Band 25	0.280	0.873	
	LTE Band 26	0.127	0.092	
	LTE Band 38	0.138	0.181	
	LTE Band 40	0.162	0.191	
	LTE Band 41	0.174	0.229	
	LTE Band 66	0.245	0.530	
	LTE Band 71	0.056	0.030	
	2.4G WLAN ANT 1	0.194	0.521	
	2.4G WLAN ANT 2	0.185	0.377	
	2.4G WLAN MIMO	0.243	0.236	
	5.2G WLAN ANT 1	0.481	0.267	
	5.2G WLAN ANT 2	0.256	0.569	
	5.2G WLAN MIMO	0.776	0.406	
	5.3G WLAN ANT 1	0.589	0.197	
	5.3G WLAN ANT 2	0.245	0.148	
	5.3G WLAN MIMO	0.398	0.454	
	5.6G WLAN ANT 1	0.546	0.211	
	5.6G WLAN ANT 2	0.412	0.125	
	5.6G WLAN MIMO	0.795	0.719	
5.8G WLAN ANT 1	0.286	0.651		
5.8G WLAN ANT 2	0.452	0.518		
5.8G WLAN MIMO	0.813	0.734		



	SAN 2	0.191	0.921
	SAN 5	0.151	0.154
	SAN 7	0.166	0.579
	SAN 12	0.050	0.057
	SAN 13	0.105	0.261
	SAN 25	0.523	1.325
	SAN 26	0.342	0.130
	SAN 38	0.315	0.249
	SAN 41	0.069	0.083
	SAN 66	0.102	0.304
	SAN 71	0.050	0.033
	SAN 77	0.081	0.179
	SAN 78	0.106	0.138
	NSA N77+B5	0.285	0.359
	Bluetooth ANT 1	0.101	0.119
	Bluetooth ANT 2	0.114	0.254
	NFC ^{Note2}	0.0000016	0.0000016
1-g Sum SAR		1.499	1.580
Test distance		0mm	10mm
Battery	#Battery#		
Operating Mode	GSM: GSM Voice; GPRS WCDMA: RMC, HSDPA, HSUPA Release 6 LTE: QPSK, 16QAM 5G NR: DFT-S-OFDM.CP-OFDM ($\pi/2$ shift BPSK, QPSK. 16QAM,64QAM.256QAM) 2.4G WLAN: 802.11b(DSSS): CCK, DQPSK, DBPSK 802.11g(OFDM): BPSK, QPSK,16-QAM,64-QAM 802.11n(OFDM): BPSK, QPSK,16-QAM,64-QAM 802.11ax(OFDM): BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024-QAM 5G WLAN: 802.11a(OFDM): BPSK, QPSK,16-QAM,64-QAM 802.11n(OFDM): BPSK, QPSK,16-QAM,64-QAM 802.11ac (OFDM): BPSK, QPSK,16-QAM,64-QAM,256-QAM 802.11ax(OFDM): BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024-QAM Bluetooth: GFSK + $\pi/4$ DQPSK+8DPSK BLE: GFSK NFC: ASK		
Antenna Specification	GSM/WCDMA/LTE/NR: PIFA Antenna Bluetooth: PIFA Antenna WLAN: PIFA Antenna NFC: Coil Antenna		
Operating Mode	Maximum continuous output		
SIM Card	SIM 1 and SIM 2 is a chipset unit and tested as single chipset, SIM 1 is used to tested		
Hotspot Mode	Support		
DTM Mode	Not Support		
Note: 1. The BT value was Estimated. 2. The EUT battery must be fully charged and checked periodically during the test to ascertain uniform power. 3. After pre-scan two SIM cards power, we found test result of the SIM1 was the worse, so we chose SIM1 card to perform all tests.			



1.2 Test Environment

Ambient conditions in the SAR laboratory:

Items	Required
Temperature (°C)	18-25
Humidity (%RH)	30-70

1.3 Test Factory

Company Name:	Shenzhen LGT Test Service Co., Ltd.
Address:	Room 205, Building 13, Zone B, Zhenxiong Industrial Park, No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China
Accreditation Certificate	FCC Registration No.: 746540
	CAB ID: CN0136



2. Test Standards and Limits

No.	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	ANSI/IEEE Std. C95.1-2019	IEEE Standard for Safety Levels with Respect to Human Exposure to Electric, Magnetic, and Electromagnetic Fields, 0 Hz to 300 GHz
3	IEEE Std. 1528-2013	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
4	FCC KDB 447498 D01 v06	Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies
5	FCC KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
6	FCC KDB 865664 D02 v01r02	RF Exposure Reporting
7	FCC KDB 941225 D01 v03r01	SAR Measurement Procedures for 3G Devices
8	FCC KDB 941225 D05 v02r05	SAR for LTE Devices
9	FCC KDB 941225 D06 v02r01	Hotspot Mode SAR
10	FCC KDB 648474 D04 v01r03	SAR Evaluation Considerations for Wireless Handsets
11	FCC KDB 248227 D01 Wi-Fi SAR v02r02	SAR Considerations for 802.11 Devices

(A). Limits for Occupational/Controlled Exposure (W/kg)

<u>Whole-Body</u>	<u>Partial-Body</u>	<u>Hands, Wrists, Feet and Ankles</u>
0.4	8.0	20.0

(B). Limits for General Population/Uncontrolled Exposure (W/kg)

<u>Whole-Body</u>	<u>Partial-Body</u>	<u>Hands, Wrists, Feet and Ankles</u>
0.08	1.6	4.0

NOTE: Whole-Body SAR is averaged over the entire body, partial-body SAR is averaged over any 1 gram of tissue defined as a tissue volume in the shape of a cube. SAR for hands, wrists, feet and ankles is averaged over any 10 grams of tissue defined as a tissue volume in the shape of a cube.

Population/Uncontrolled Environments:

Are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure.

Occupational/Controlled Environments:

Are defined as locations where there is exposure that may be incurred by people who are aware of the potential for exposure, (i.e. as a result of employment or occupation).

NOTE GENERAL POPULATION/UNCONTROLLED EXPOSURE PARTIAL BODY LIMIT 1.6 W/kg

3. SAR Measurement System

3.1 Definition of Specific Absorption Rate (SAR)

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:

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

SAR is expressed in units of Watts per kilogram (W/kg) SAR measurement can be related to the electrical field in the tissue by

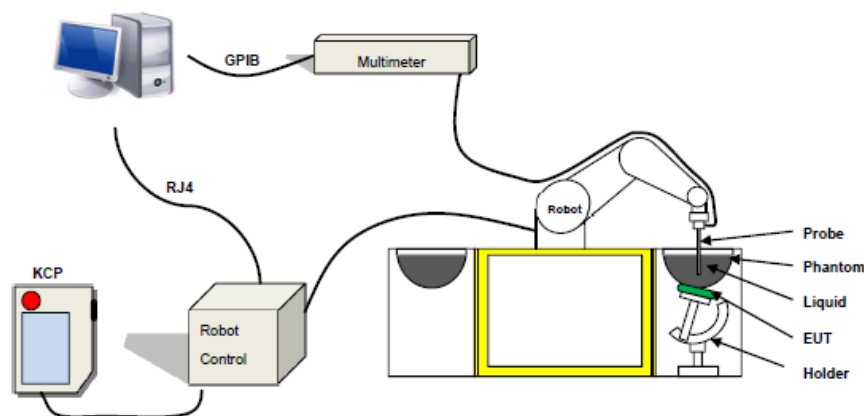
$$SAR = \frac{\sigma E^2}{\rho}$$

Where: σ is the conductivity of the tissue;

ρ is the mass density of the tissue and E is the RMS electrical field strength.

3.2 SAR System

MVG SAR System Diagram:



COMOSAR is a system that is able to determine the SAR distribution inside a phantom of human being according to different standards. The COMOSAR system consists of the following items:

- Main computer to control all the system
- 6 axis robot
- Data acquisition system
- Miniature E-field probe
- Phone holder
- Head simulating tissue

The following figure shows the system.



The EUT under test operating at the maximum power level is placed in the phone holder, under the phantom, which is filled with head simulating liquid. The E-Field probe measures the electric field inside the phantom. The OpenSAR software computes the results to give a SAR value in a 1g or 1g mass.

3.2.1 Probe

For the measurements the Specific Dosimetric E-Field Probe 0326-EPGO-431 with following specifications is used

- Probe Length: 330 mm
- Length of Individual Dipoles: 2mm
- Maximum external diameter: 8 mm
- Probe Tip External Diameter: 2.5 mm
- Distance between dipole/probe extremity: 1 mm
- Dynamic range: 0.01-100 W/kg
- Probe linearity: 3%
- Axial Isotropy: < 0.10 dB
- Spherical Isotropy: < 0.10 dB
- Calibration range: 0.15 GHz to 7.5 GHz for head simulating liquid.
- Angle between probe axis (evaluation axis) and surface normal line: less than 30°



Figure 1-MVG COMOSAR Dosimetric E field Probe



3.2.2 Phantom

For the measurements the Specific Anthropomorphic Mannequin (SAM) defined by the IEEE SCC-34/SC2 group is used. The phantom is a polyurethane shell integrated in a wooden table. The thickness of the phantom amounts to 2mm +/- 0.2mm. It enables the dosimetric evaluation of left and right phone usage and includes an additional flat phantom part for the simplified performance check. The phantom set-up includes a cover, which prevents the evaporation of the liquid.

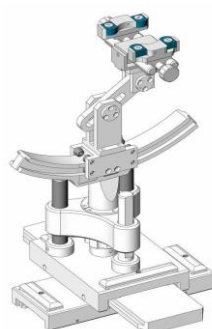


Figure-SN 06/22 SAM 148



Figure-SN 06/22 ELLI 51

3.2.3 Device Holder



The SAR in the phantom is approximately inversely proportional to the square of the distance between the source and the liquid surface. For a source at 5 mm distance, a positioning uncertainty of ± 0.5 mm would produce a SAR uncertainty of ± 20 %. Accurate device positioning is therefore crucial for accurate and repeatable measurements. The positions in which the devices must be measured are defined by the standards.



4. Tissue Simulating Liquids

4.1 Simulating Liquids Parameter Check

The simulating liquids should be checked at the beginning of a series of SAR measurements to determine if the dielectric parameters are within the tolerances of the specified target values

The uncertainty due to the liquid conductivity and permittivity arises from two different sources. The first source of error is the deviation of the liquid conductivity from its target value (max _ 5 %) and the second source of error arises from the measurement procedures used to assess conductivity. The uncertainty shall be assessed using a rectangular probability For 1 g averaging, the maximum weighting coefficient for SAR is 0,5.

IEEE SCC-34/SC-2 RECOMMENDED TISSUE DIELECTRIC PARAMETERS

The head and body tissue dielectric parameters recommended by the IEEE SCC-34/SC-2 have been incorporated in the following table.

Frequency	ϵ_r	σ 10g S/m
300	45.3	0.87
450	43.5	0.87
750	41.9	0.89
835	41.5	0.90
900	41.5	0.97
1450	40.5	1.20
1800 to 2000	40.0	1.40
2100	39.8	1.49
2450	39.2	1.80
2600	39.0	1.96
3000	38.5	2.40
3500	37.9	2.91
4000	37.4	3.43
4500	36.8	3.94
5000	36.2	4.45
5200	36.0	4.66
5400	35.8	4.86
5600	35.5	5.07
5800	35.3	5.27



LIQUID MEASUREMENT RESULTS

Date	Ambient		Simulating Liquid		Parameters	Target	Measured	Deviation %	Limited %
	Temp. [°C]	Humidity %	Frequency (MHz)	Temp. [°C]					
2026-02-27	20.6	54	750	20.3	Permittivity	41.90	42.32	1.00	±5
					Conductivity	0.89	0.88	-1.12	±5
2026-02-28	23.9	50	750	23.6	Permittivity	41.90	42.09	0.45	±5
					Conductivity	0.89	0.88	-1.12	±5
2026-03-05	22.2	48	750	21.9	Permittivity	41.90	42.77	2.08	±5
					Conductivity	0.89	0.85	-4.49	±5
2026-03-07	21	52	750	20.7	Permittivity	41.90	42.33	1.03	±5
					Conductivity	0.89	0.92	3.37	±5
2026-03-01	21.7	40	835	21.4	Permittivity	41.50	41.48	-0.05	±5
					Conductivity	0.90	0.87	-3.33	±5
2026-03-02	23.6	45	835	23.3	Permittivity	41.50	42.11	1.47	±5
					Conductivity	0.90	0.93	3.33	±5
2026-03-04	21.3	56	835	21	Permittivity	41.50	41.80	0.72	±5
					Conductivity	0.90	0.92	2.22	±5
2026-03-08	23.4	49	1800	23.1	Permittivity	40.00	40.19	0.47	±5
					Conductivity	1.40	1.41	0.71	±5
2026-03-09	23.6	58	1800	23.2	Permittivity	40.00	40.54	1.35	±5
					Conductivity	1.40	1.39	-0.71	±5
2026-03-12	23.3	41	1900	22.9	Permittivity	40.00	40.64	1.60	±5
					Conductivity	1.40	1.41	0.71	±5
2026-03-13	22.3	57	1900	22	Permittivity	40.00	40.69	1.72	±5
					Conductivity	1.40	1.41	0.71	±5
2026-03-15	22.9	55	1900	22.6	Permittivity	40.00	40.40	1.00	±5
					Conductivity	1.40	1.43	2.14	±5
2026-03-10	21.8	49	2300	21.5	Permittivity	39.47	40.14	1.71	±5
					Conductivity	1.67	1.60	-4.00	±5
2026-03-11	22.7	47	2450	22.4	Permittivity	39.20	39.71	1.30	±5
					Conductivity	1.80	1.81	0.56	±5
2026-03-14	20.2	51	2450	19.8	Permittivity	39.20	40.03	2.12	±5
					Conductivity	1.80	1.87	3.89	±5
2026-03-16	23.2	48	2600	22.8	Permittivity	39.00	39.04	0.10	±5
					Conductivity	1.96	1.97	0.51	±5
2026-03-17	23.4	60	2600	23.1	Permittivity	39.00	39.56	1.44	±5
					Conductivity	1.96	2.02	3.06	±5
2026-03-20	22.2	60	2600	21.9	Permittivity	39.00	39.46	1.18	±5
					Conductivity	1.96	1.92	-2.04	±5



2026-05-06	20.7	54	3700	20.4	Permittivity	37.67	38.09	1.11	±5
					Conductivity	3.12	3.16	1.43	±5
2026-05-04	20.1	57	5200	19.8	Permittivity	36.00	36.38	1.06	±5
					Conductivity	4.66	4.64	-0.43	±5
2026-05-05	22.2	41	5400	22	Permittivity	35.80	36.46	1.84	±5
					Conductivity	4.86	4.89	0.62	±5
2026-05-03	24	47	5600	23.6	Permittivity	35.55	35.86	0.87	±5
					Conductivity	5.07	5.09	0.49	±5
2026-05-02	24	55	5800	23.7	Permittivity	35.30	35.70	1.13	±5
					Conductivity	5.27	5.25	-0.38	±5

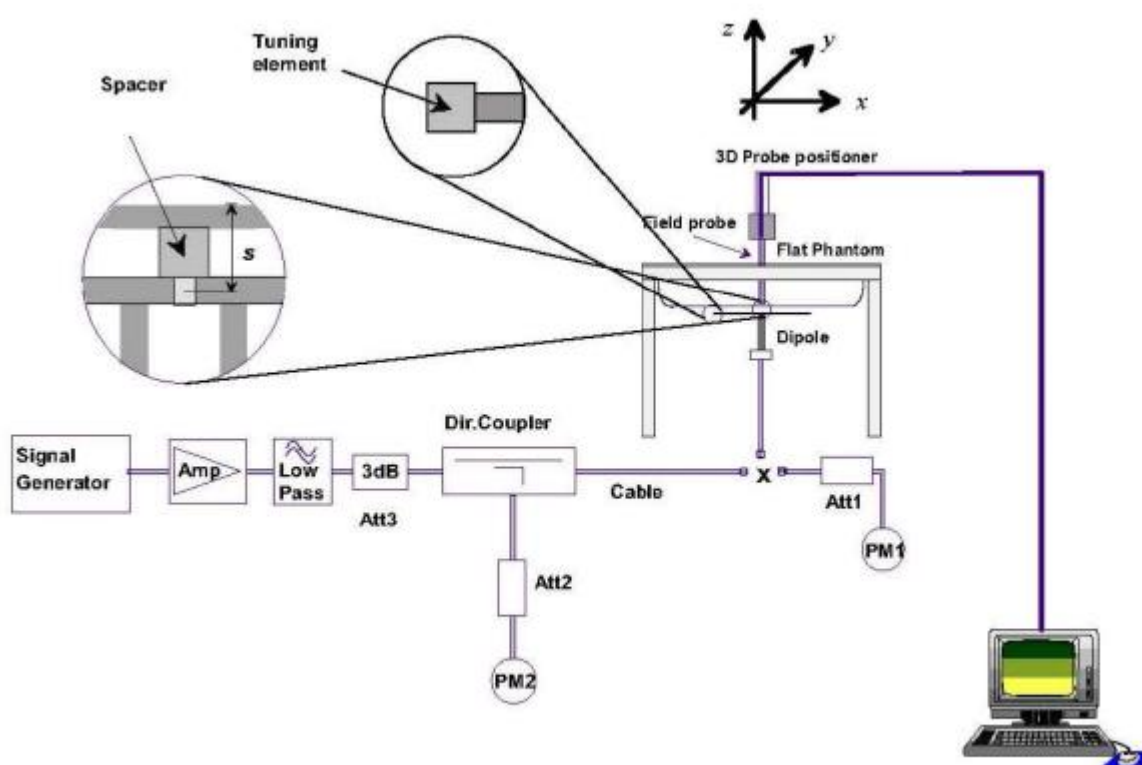


5. SAR System Validation

5.1 Validation System

Each MVG system is equipped with one or more system validation kits. These units, together with the predefined measurement procedures within the MVG software, enable the user to conduct the system performance check and system validation. System kit includes a dipole, and dipole device holder.

The system check verifies that the system operates within its specifications. It's performed daily or before every SAR measurement. The system check uses normal SAR measurement in the flat section of the phantom with a matched dipole at a specified distance. The system validation setup is shown as below.





5.2 Validation Result

Comparing to the original SAR value provided by MVG, the validation data should be within its specification of $\pm 10\%$.

Date	Freq. (MHz)	Power (mW)	Tested Value (W/Kg)	Normalized SAR (W/kg)	Target SAR 1g(W/kg)	Tolerance (%)	Limit (%)
2026-02-27	750	100	0.827	8.27	8.51	-2.82	10
2026-02-28	750	100	0.842	8.42	8.51	-1.06	10
2026-03-05	750	100	0.880	8.80	8.51	3.41	10
2026-03-07	750	100	0.815	8.15	8.51	-4.23	10
2026-03-01	835	100	0.982	9.82	9.63	1.97	10
2026-03-02	835	100	0.968	9.68	9.63	0.52	10
2026-03-04	835	100	0.966	9.66	9.63	0.31	10
2026-03-08	1800	100	3.687	36.87	36.60	0.74	10
2026-03-09	1800	100	3.636	36.36	36.60	-0.66	10
2026-03-12	1900	100	3.996	39.96	40.20	-0.60	10
2026-03-13	1900	100	4.018	40.18	40.20	-0.05	10
2026-03-15	1900	100	4.054	40.54	40.20	0.85	10
2026-03-10	2300	100	4.911	49.11	49.29	-0.37	10
2026-03-11	2450	100	5.264	52.64	52.98	-0.64	10
2026-03-14	2450	100	5.330	53.30	52.98	0.60	10
2026-03-16	2600	100	5.635	56.35	56.15	0.36	10
2026-03-17	2600	100	5.618	56.18	56.15	0.05	10
2026-03-20	2600	100	5.646	56.46	56.15	0.55	10
2026-05-06	3700	100	6.552	65.52	65.61	-0.14	10
2026-05-04	5200	100	7.777	77.77	77.84	-0.09	10
2026-05-05	5400	100	7.661	76.61	76.82	-0.27	10
2026-05-03	5600	100	8.215	82.15	82.15	0.00	10
2026-05-02	5800	100	8.055	80.55	80.51	0.05	10

Note:

1. The tolerance limit of System validation $\pm 10\%$.
2. The dipole input power (forward power) was 100 mW.
3. The results are normalized to 1 W input power.



6. SAR Evaluation Procedures

The procedure for assessing the average SAR value consists of the following steps:

The following steps are used for each test position

- Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface
- Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
- Measurement of the SAR distribution with a grid of 8 to 16mm * 8 to 16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.
- Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 * 32 mm is assessed by measuring 5 or 8 * 5 or 8*4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

➤ Area Scan& Zoom Scan

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g. Area scan and zoom scan resolution setting follows KDB 865664 D01 quoted below.

When the 1-g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.



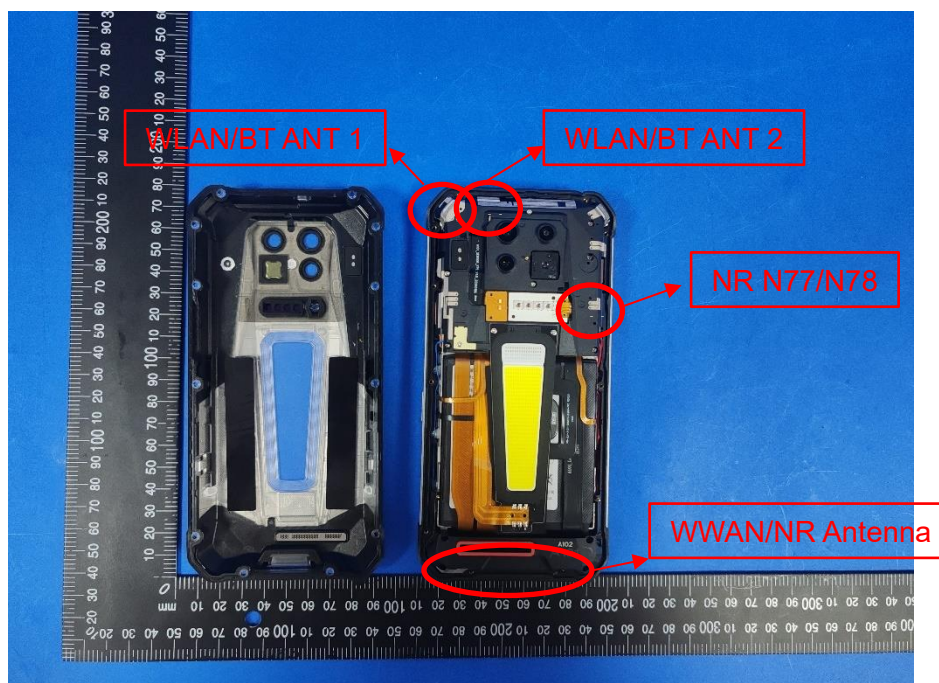
7. EUT Antenna Location Sketch

It is a Smart phone, support GSM/WCDMA/LTE/WLAN/BT mode.

Top side

Left side

Right side



Bottom side
(Back view)

Antenna Separation Distance(mm)						
ANT	Back Side	Front Side	Left Side	Right Side	Top Side	Bottom Side
WLAN/BT ANT 1	≤5	≤5	68	≤5	≤5	152
WLAN/BT ANT 2	≤5	≤5	38	27	≤5	163
WWAN	≤5	≤5	16	≤5	167	≤5
NR N77/N78	≤5	≤5	≤5	50	42	115

Note 1: The antenna information refer the manufacturer provide report, applicable only to the tested sample identified in the report.



7.1 SAR test exclusion consider table

The WWAN/WLAN/BT SAR evaluation of Maximum power (dBm) summing tolerance.

Exposure Position	Wireless Interface	GSM850	PCS1900	WCDMA II	WCDMA IV	WCDMA V
	Calculated Frequency (MHz)	848.8	1909.8	1880	1712.6	846.6
	Maximum Turn-up power (dBm)	29.9	27.6	24	23.8	24.4
	Maximum rated power(mW)	977.24	575.44	251.19	239.88	275.42
Back Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	16.28	10.85	10.94	11.46	16.30
	Testing required?	YES	YES	YES	YES	YES
Front Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	16.28	10.85	10.94	11.46	16.30
	Testing required?	YES	YES	YES	YES	YES
Left Edge	Separation distance (mm)	16	16	16	16	16
	exclusion threshold(mW)	52.10	34.73	35.01	36.68	52.17
	Testing required?	YES	YES	YES	YES	YES
Right Edge	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	16.28	10.85	10.94	11.46	16.30
	Testing required?	YES	YES	YES	YES	YES
Top Edge	Separation distance (mm)	167	167	167	167	167
	exclusion threshold(mW)	824.88	1278.54	1279.40	1284.62	823.37
	Testing required?	YES	NO	NO	NO	NO
Bottom Edge	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	16.28	10.85	10.94	11.46	16.30
	Testing required?	YES	YES	YES	YES	YES



Exposure Position	Wireless Interface	LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7	LTE Band 12
	Calculated Frequency (MHz)	1880	1720	844	2510	711
	Maximum Turn-up power (dBm)	24.8	24.4	24.6	24.4	24.1
	Maximum rated power(mW)	302.00	275.42	288.40	275.42	257.04
Back Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	10.94	11.44	16.33	9.47	17.79
	Testing required?	YES	YES	YES	YES	YES
Front Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	10.94	11.44	16.33	9.47	17.79
	Testing required?	YES	YES	YES	YES	YES
Left Edge	Separation distance (mm)	16	16	16	16	16
	exclusion threshold(mW)	35.01	36.60	52.25	30.30	56.93
	Testing required?	YES	YES	YES	YES	YES
Right Edge	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	10.94	11.44	16.33	9.47	17.79
	Testing required?	YES	YES	YES	YES	YES
Top Edge	Separation distance (mm)	167	167	167	167	167
	exclusion threshold(mW)	1279.40	1284.37	821.60	1264.68	732.47
	Testing required?	NO	NO	NO	NO	NO
Bottom Edge	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	10.94	11.44	16.33	9.47	17.79
	Testing required?	YES	YES	YES	YES	YES



Exposure Position	Wireless Interface	LTE Band 13	LTE Band 17	LTE Band 25	LTE Band 26	LTE Band 38
	Calculated Frequency (MHz)	782	711	1882.5	836.5	2595
	Maximum Turn-up power (dBm)	24.2	24.2	24.6	24.5	25.9
	Maximum rated power(mW)	263.03	263.03	288.40	281.84	389.05
Back Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	16.96	17.79	10.93	16.40	9.31
	Testing required?	YES	YES	YES	YES	YES
Front Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	16.96	17.79	10.93	16.40	9.31
	Testing required?	YES	YES	YES	YES	YES
Left Edge	Separation distance (mm)	16	16	16	16	16
	exclusion threshold(mW)	54.28	56.93	34.98	52.48	29.80
	Testing required?	YES	YES	YES	YES	YES
Right Edge	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	16.96	17.79	10.93	16.40	9.31
	Testing required?	YES	YES	YES	YES	YES
Top Edge	Separation distance (mm)	167	167	167	167	167
	exclusion threshold(mW)	779.58	732.47	1279.33	816.48	1263.12
	Testing required?	NO	NO	NO	NO	NO
Bottom Edge	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	16.96	17.79	10.93	16.40	9.31
	Testing required?	YES	YES	YES	YES	YES



Exposure Position	Wireless Interface	LTE Band 40	LTE Band 41	LTE Band 66	LTE Band 71	BT ANT 1
	Calculated Frequency (MHz)	2350	2680	1772	680.5	2441
	Maximum Turn-up power (dBm)	19.8	26	24.2	23.7	8.2
	Maximum rated power(mW)	95.50	398.11	263.03	234.42	6.61
Back Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	9.78	9.16	11.27	18.18	9.60
	Testing required?	YES	YES	YES	YES	NO
Front Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	9.78	9.16	11.27	18.18	9.60
	Testing required?	YES	YES	YES	YES	NO
Left Edge	Separation distance (mm)	16	16	16	16	68
	exclusion threshold(mW)	31.31	29.32	36.06	58.19	276.01
	Testing required?	YES	YES	YES	YES	NO
Right Edge	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	9.78	9.16	11.27	18.18	9.60
	Testing required?	YES	YES	YES	YES	NO
Top Edge	Separation distance (mm)	167	167	167	167	5
	exclusion threshold(mW)	1267.85	1261.63	1282.68	712.62	9.60
	Testing required?	NO	NO	NO	NO	NO
Bottom Edge	Separation distance (mm)	5	5	5	5	152
	exclusion threshold(mW)	9.78	9.16	11.27	18.18	1116.01
	Testing required?	YES	YES	YES	YES	NO



Exposure Position	Wireless Interface	2.4G WLAN ANT 1	2.4G WLAN ANT 2	5.2G WLAN ANT 1	5.2G WLAN ANT 2	5.3G WLAN ANT 1
	Calculated Frequency (MHz)	2412	2462	5180	5200	5320
	Maximum Turn-up power (dBm)	14.9	14.6	13.6	12.3	12.8
	Maximum rated power(mW)	30.90	28.84	22.91	16.98	19.05
Back Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	9.66	9.56	6.59	6.58	6.50
	Testing required?	YES	YES	YES	YES	YES
Front Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	9.66	9.56	6.59	6.58	6.50
	Testing required?	YES	YES	YES	YES	YES
Left Edge	Separation distance (mm)	68	38	68	38	68
	exclusion threshold(mW)	276.58	72.65	245.91	49.99	245.03
	Testing required?	NO	NO	NO	NO	NO
Right Edge	Separation distance (mm)	5	27	5	27	5
	exclusion threshold(mW)	9.66	51.62	6.59	35.52	6.50
	Testing required?	YES	NO	YES	NO	YES
Top Edge	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	9.66	9.56	6.59	6.58	6.50
	Testing required?	YES	YES	YES	YES	YES
Bottom Edge	Separation distance (mm)	152	163	152	163	152
	exclusion threshold(mW)	1116.58	1225.60	1085.91	1195.78	1085.03
	Testing required?	NO	NO	NO	NO	NO



Exposure Position	Wireless Interface	5.3G WLAN ANT 2	5.6G WLAN ANT 1	5.6G WLAN ANT 2	5.8G WLAN ANT 1	5.8G WLAN ANT 2
	Calculated Frequency (MHz)	5320	5700	5700	5785	5745
	Maximum Turn-up power (dBm)	12	13.4	13.4	13.6	13
	Maximum rated power(mW)	15.85	21.88	21.88	22.91	19.95
Back Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	6.50	6.28	6.28	6.24	6.26
	Testing required?	YES	YES	YES	YES	YES
Front Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	6.50	6.28	6.28	6.24	6.26
	Testing required?	YES	YES	YES	YES	YES
Left Edge	Separation distance (mm)	38	68	38	68	38
	exclusion threshold(mW)	49.43	242.83	47.75	242.36	47.56
	Testing required?	NO	NO	NO	NO	NO
Right Edge	Separation distance (mm)	27	5	27	5	27
	exclusion threshold(mW)	35.12	6.28	33.93	6.24	33.79
	Testing required?	NO	YES	NO	YES	NO
Top Edge	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	6.50	6.28	6.28	6.24	6.26
	Testing required?	YES	YES	YES	YES	YES
Bottom Edge	Separation distance (mm)	163	152	163	152	163
	exclusion threshold(mW)	1195.03	1082.83	1192.83	1082.36	1192.58
	Testing required?	NO	NO	NO	NO	NO



Exposure Position	Wireless Interface	SA N2	SA N5	SA N7	SA N12	SA N13
	Calculated Frequency (MHz)	1900	834	2560	707.5	782
	Maximum Turn-up power (dBm)	23	23.2	22.6	23.2	23.6
	Maximum rated power(mW)	199.53	208.93	181.97	208.93	229.09
Back Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	10.88	16.43	9.38	17.83	16.96
	Testing required?	YES	YES	YES	YES	YES
Front Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	10.88	16.43	9.38	17.83	16.96
	Testing required?	YES	YES	YES	YES	YES
Left Edge	Separation distance (mm)	16	16	16	16	16
	exclusion threshold(mW)	34.82	52.56	30.00	57.07	54.28
	Testing required?	YES	YES	YES	YES	YES
Right Edge	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	10.88	16.43	9.38	17.83	16.96
	Testing required?	YES	YES	YES	YES	YES
Top Edge	Separation distance (mm)	167	167	167	167	167
	exclusion threshold(mW)	1278.82	814.77	1263.75	730.18	779.58
	Testing required?	NO	NO	NO	NO	NO
Bottom Edge	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	10.88	16.43	9.38	17.83	16.96
	Testing required?	YES	YES	YES	YES	YES



Exposure Position	Wireless Interface	SA N25	SA N26	SA N38	SA N41
	Calculated Frequency (MHz)	1905	819	2590	2640
	Maximum Turn-up power (dBm)	23	23.4	22.8	22.9
	Maximum rated power(mW)	199.53	218.78	190.55	194.98
Back Side	Separation distance (mm)	5	5	5	5
	exclusion threshold(mW)	10.87	16.57	9.32	9.23
	Testing required?	YES	YES	YES	YES
Front Side	Separation distance (mm)	5	5	5	5
	exclusion threshold(mW)	10.87	16.57	9.32	9.23
	Testing required?	YES	YES	YES	YES
Left Edge	Separation distance (mm)	16	16	16	16
	exclusion threshold(mW)	34.78	53.04	29.83	29.54
	Testing required?	YES	YES	YES	YES
Right Edge	Separation distance (mm)	5	5	5	5
	exclusion threshold(mW)	10.87	16.57	9.32	9.23
	Testing required?	YES	YES	YES	YES
Top Edge	Separation distance (mm)	167	167	167	167
	exclusion threshold(mW)	1278.68	804.57	1263.21	1262.32
	Testing required?	NO	NO	NO	NO
Bottom Edge	Separation distance (mm)	5	5	5	5
	exclusion threshold(mW)	10.87	16.57	9.32	9.23
	Testing required?	YES	YES	YES	YES



Exposure Position	Wireless Interface	SA N66	SA N71	SA N77	SA N78
	Calculated Frequency (MHz)	1777.5	688	3790	3750
	Maximum Turn-up power (dBm)	23	23.1	21.6	21.6
	Maximum rated power(mW)	199.53	204.17	144.54	144.54
Back Side	Separation distance (mm)	5	5	5	5
	exclusion threshold(mW)	11.25	18.08	7.70	7.75
	Testing required?	YES	YES	YES	YES
Front Side	Separation distance (mm)	5	5	5	5
	exclusion threshold(mW)	11.25	18.08	7.70	7.75
	Testing required?	YES	YES	YES	YES
Left Edge	Separation distance (mm)	16	16	5	5
	exclusion threshold(mW)	36.00	57.87	7.70	7.75
	Testing required?	YES	YES	YES	YES
Right Edge	Separation distance (mm)	5	5	50	50
	exclusion threshold(mW)	11.25	18.08	77.05	77.46
	Testing required?	YES	YES	YES	YES
Top Edge	Separation distance (mm)	167	167	45	45
	exclusion threshold(mW)	1282.51	717.48	69.34	69.71
	Testing required?	NO	NO	YES	YES
Bottom Edge	Separation distance (mm)	5	5	115	115
	exclusion threshold(mW)	11.25	18.08	727.05	727.46
	Testing required?	YES	YES	NO	NO

Note:

1. maximum power is the source-based time-average power and represents the maximum RF output power among production units.
2. per KDB 447498 D01, for larger devices, the test separation distance of adjacent edge configuration is determined by the closest separation between the antenna and the user.
3. per KDB 447498 D01, standalone SAR test exclusion threshold is applied; if the distance of the antenna to the user is <25mm, 25mm is user to determine SAR exclusion threshold
4. per KDB 447498 D01, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distance $\leq 50\text{mm}$ are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] * [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, } f(\text{GHz}) \text{ is the RF channel}$$



transmit frequency in GHz. Power and distance are rounded to the nearest mW and mm before calculation.

The result is rounded to one decimal place for comparison

For <50mm distance, we just calculate mW of the exclusion threshold value(3.0) to do compare

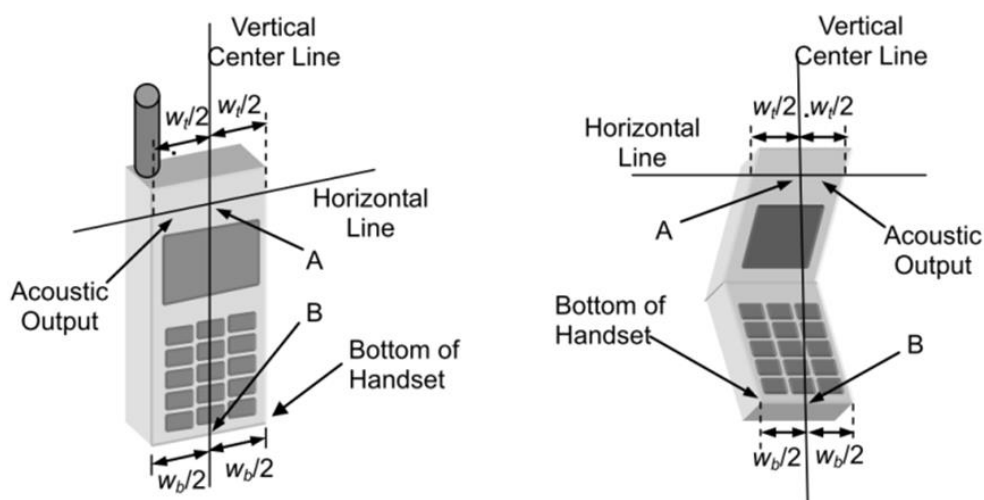
5. per KDB 447498 D01, at 100 MHz to 6GHz and for test separation distances >50mm, the SAR test exclusion threshold is determined according to the following
 - a) [threshold at 50mm in step 1]+(test separation distance -50mm)*(f (MHz)/150)]mW, at 100 MHz to 1500 MHz
 - b) [threshold at 50mm in step1]+(test separation distance -50mm) *10]mW at > 1500MHz and ≤ 6GHz
6. Per KDB 248227 D01, choose the highest output power channel to test SAR and determine further SAR exclusion 8.for each frequency band, testing at higher data rates and higher order modulations is not required when the maximum average output power for each of each of these configurations is less than 1/4db higher than those measured at the lower data rate than 11b mode, thus the SAR can be excluded.

8. EUT Test Position

This EUT was tested in Right Cheek, Right Titled, Left Cheek, Left Titled, Front Face and Rear Face.

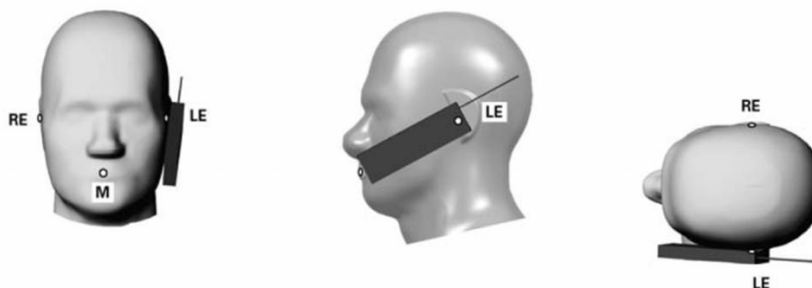
8.1 Define Two Imaginary Lines on the Handset

- (1) The vertical centerline passes through two points on the front side of the handset the midpoint of the width w_t of the handset at the level of the acoustic output, and the midpoint of the width w_b of the handset.
- (2) The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output. The horizontal line is also tangential to the face of the handset at point A.
- (3) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical centerline is not necessarily to the front face of the handset, especially for clamshell handsets, handsets with flip covers, and other irregularly shaped handsets.



Cheek Position

- 1) To position the device with the vertical center line of the body of the device and the horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing the ear and mouth reference point (M: Mouth, RE: Right Ear, and LE: Left Ear) and align the center of the ear piece with the line RE-LE.
- 2) To move the device towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with ear, move the bottom of the phone until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost





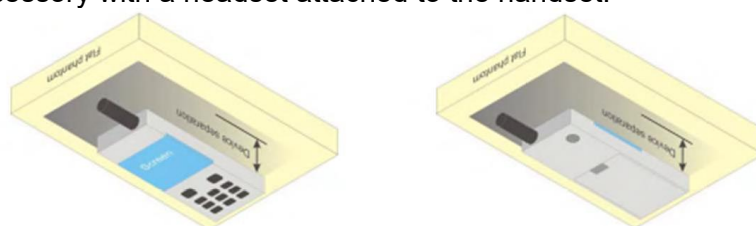
Title Position

- (1) To position the device in the “cheek” position described above.
- (2) While maintaining the device in the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until with the ear is lost.



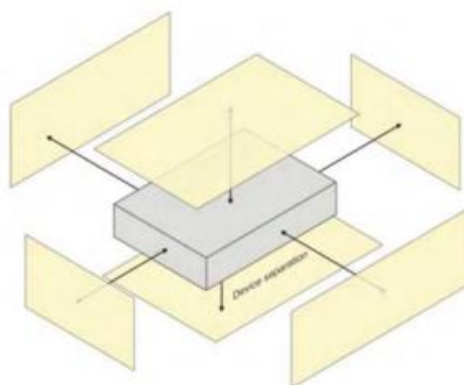
Body-worn Position Conditions:

Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in KDB Publication 447498 D01 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. When the same wireless transmission configuration is used for testing body-worn accessory and hotspot mode SAR, respectively, in voice and data mode, SAR results for the most conservative *test separation distance* configuration may be used to support both SAR conditions. When the *reported* SAR for a body-worn accessory, measured without a headset connected to the handset, is $> 1.2 \text{ W/kg}$, the highest *reported* SAR configuration for that wireless mode and frequency band should be repeated for the body-worn accessory with a headset attached to the handset.



8.2 Hotspot mode exposure position condition

For handsets that support hotspot mode operations, with wireless router capabilities and various web browsing function, the relevant hand and body exposure condition are tested according to the hotspot SAR procedures in KDB 941225. A test separation distance of 10 mm is required between the phantom and all surface and edges with a transmitting antenna located within 25 mm from that surface or edge. When form factor of a handset is smaller than 9cm x 5cm, a test separation distance of 5mm (instead of 10mm) is required for testing hotspot mode. When the separate distance required for body-worn accessory testing is larger than or equal to that tested for hotspot mode, in the same wireless mode and for the same surface of the phone, the hotspot mode SAR data may be used to support body-worn accessory SAR compliance for that particular configuration (surface).





9. Uncertainty

9.1 Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in IEEE 1528: 2013. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

Uncertainty Component	Tol (+/- %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+/-%)	10g Ui (+/-%)	vi
Measurement System								
Probe calibration	14	N	2	1	1	7.00	7.00	∞
Axial Isotropy	3.5	R	$\sqrt{3}$	$\sqrt{0.5}$	$\sqrt{0.5}$	1.43	1.43	∞
Hemispherical Isotropy	5.9	R	$\sqrt{3}$	$\sqrt{0.5}$	$\sqrt{0.5}$	2.41	2.41	∞
Boundary effect	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Linearity	4.7	R	$\sqrt{3}$	1	1	2.71	2.71	∞
System detection limits	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Modulation response	0	R	$\sqrt{3}$	1	1	0.00	0.00	∞
Readout Electronics	0.5	N	1	1	1	0.50	0.50	∞
Response Time	0	R	$\sqrt{3}$	1	1	0.00	0.00	∞
Integration Time	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
RF ambient conditions-Noise	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
RF ambient conditions-reflections	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
Probe positioner mechanical tolerance	3.28	R	$\sqrt{3}$	1	1	1.89	1.89	∞
Probe positioning with respect to phantom shell	3.28	R	$\sqrt{3}$	1	1	1.89	1.89	∞
Extrapolation, Interpolation and Integration Algorithms for Max, SAR	2.3	R	$\sqrt{3}$	1	1	1.33	1.33	∞
Test sample Related								
Test sample positioning	2.6	N	1	1	1	2.60	2.60	11
Device holder uncertainty	3	N	1	1	1	3.00	3.00	7
Output Power Variation - SAR Drift Measurement	5	R	$\sqrt{3}$	1	1	2.89	2.89	∞
SAR scaling	5	R	$\sqrt{3}$	1	1	2.89	2.89	∞
Phantom and tissue parameters								
Phantom uncertainty (shape and thickness uncertainty)	4	R	$\sqrt{3}$	1	1	2.31	2.31	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	2.9	N	1	1	0.84	2.90	2.44	∞
Liquid Conductivity - Measurement Uncertainty)	4	R	1	0.78	0.71	3.12	2.84	5
Liquid Permittivity - Measurement Uncertainty	4.07	N	1	0.23	0.26	0.94	1.06	5
Liquid Conductivity (Temperature Uncertainty)	2.5	R	$\sqrt{3}$	0.78	0.71	1.13	1.02	∞
Liquid Permittivity (Temperature Uncertainty)	5.06	N	$\sqrt{3}$	0.23	0.26	0.67	0.76	∞
Combined Standard Uncertainty		RSS				11.80	11.63	
Expanded Uncertainty (95% Confidence interval)		K				23.6	23.26	



9.2 System validation Uncertainty

Uncertainty Component	Tol (+ - %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+-%)	10g Ui (+-%)	vi
Measurement System								
Probe calibration	14	N	2	1	1	7.00	7.00	∞
Axial Isotropy	3.5	R	$\sqrt{3}$	1	1	2.02	2.02	∞
Hemispherical Isotropy	5.9	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Boundary effect	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Linearity	4.7	R	$\sqrt{3}$	1	1	2.71	2.71	∞
System detection limits	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Modulation response	0	R	$\sqrt{3}$	1	1	0.00	0.00	∞
Readout Electronics	0.5	N	1	1	1	0.50	0.50	∞
Response Time	0	R	$\sqrt{3}$	1	1	0.00	0.00	∞
Integration Time	1.4	R	$\sqrt{3}$	0	0	0.00	0.00	∞
RF ambient conditions-Noise	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
RF ambient conditions- reflections	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
Probe positioner mechanical tolerance	3.28	R	$\sqrt{3}$	1	1	1.89	1.89	∞
Probe positioning with respect to phantom shell	3.28	R	$\sqrt{3}$	1	1	1.89	1.89	∞
Extrapolation, Interpolation and Integration Algorithms for Max, SAR	2.3	R	$\sqrt{3}$	1	1	1.33	1.33	∞
Dipole								
Deviation of Experimental Source from Numerical Source	5	N	1	1	1	5.00	5.00	∞
Input Power and SAR Drift Measurement	0.5	R	$\sqrt{3}$	1	1	0.29	0.29	∞
Dipole Axis to Liquid Distance	2	R	$\sqrt{3}$	1	1	1.15	1.15	∞
Phantom and Tissue Parameters								
Phantom uncertainty (shape and thickness uncertainty)	4	R	$\sqrt{3}$	1	1	2.31	2.31	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	2.9	N	1	1	0.84	2.90	2.44	∞
Liquid Conductivity - Measurement Uncertainty)	4	R	1	0.78	0.71	3.12	2.84	5
Liquid Permittivity - Measurement Uncertainty	4.07	N	1	0.23	0.26	0.94	1.06	5
Liquid Conductivity (Temperature Uncertainty)	2.5	R	$\sqrt{3}$	0.78	0.71	1.13	1.44	∞
Liquid Permittivity (Temperature Uncertainty)	5.06	N	$\sqrt{3}$	0.23	0.26	0.67	2.92	∞
Combined Standard Uncertainty		RSS				11.35	11.57	
Expanded Uncertainty (95% Confidence interval)		K				22.70	23.13	



10. Conducted Power Measurement

10.1 Test Result

Burst Average Power (dBm)						
Band	GSM 850			PCS 1900		
Channel	128	190	251	512	661	810
Frequency (MHz)	824.2	836.6	848.8	1850.2	1880.0	1909.8
GSM (GMSK, 1-Slot)	29.38	29.45	29.60	27.06	27.16	27.27
GPRS (GMSK, 1-Slot)	29.36	29.44	29.62	27.06	27.17	27.26
GPRS (GMSK, 2-Slot)	29.21	29.27	29.43	26.85	26.98	27.07
GPRS (GMSK, 3-Slot)	28.22	28.31	28.47	25.41	25.55	25.65
GPRS (GMSK, 4-Slot)	27.67	27.78	27.94	24.30	24.46	24.60
Remark: GPRS, CS4 coding scheme. Multi-Slot Class 8, Support Max 4 downlink, 1 uplink, 5 working link Multi-Slot Class 10, Support Max 4 downlink, 2 uplink, 5 working link Multi-Slot Class 12, Support Max 4 downlink, 4 uplink, 5 working link						

Frame- Average Power(dBm)						
Band	GSM 850			PCS 1900		
Channel	128	190	251	512	661	810
Frequency (MHz)	824.2	836.6	848.8	1850.2	1880.0	1909.8
GSM (GMSK, 1-Slot)	20.35	20.42	20.57	18.03	18.13	18.24
GPRS (GMSK, 1-Slot)	20.33	20.41	20.59	18.03	18.14	18.23
GPRS (GMSK, 2-Slot)	23.19	23.25	23.41	20.83	20.96	21.05
GPRS (GMSK, 3-Slot)	23.96	24.05	24.21	21.15	21.29	21.39
GPRS (GMSK, 4-Slot)	24.66	24.77	24.93	21.29	21.45	21.59
Remark: 1. SAR testing was performed on the maximum frame-averaged power mode. 2. The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum Burst - averaged power based on time slots. The calculated method is shown as below: Frame-averaged power = Burst averaged power (1 TX Slot) – 9.03 dB Frame-averaged power = Burst averaged power (2 TX Slots) – 6.02 dB Frame-averaged power = Burst averaged power (3 TX Slots) - 4.26 dB Frame-averaged power = Burst averaged power (4 TX Slots) – 3.01 dB						



WCDMA

Band	WCDMA Band 2			WCDMA Band 4			WCDMA Band 5		
Channel	9262	9400	9538	1312	1450	1513	4132	4182	4233
Frequency (MHz)	1852.4	1880	1907.6	1712.6	1740	1752.4	826.4	836.4	846.6
RMC 12.2Kbps	23.55	23.69	23.38	23.46	23.38	23.34	23.67	23.91	24.07
HSDPA Subtest-1	22.59	22.73	22.42	22.47	22.36	22.37	22.67	22.88	23.07
HSDPA Subtest-2	22.01	22.38	22.08	22.26	22.09	22.04	22.09	22.56	22.68
HSDPA Subtest-3	21.12	21.31	20.5	20.39	21.09	21.13	21.27	21.39	21.38
HSDPA Subtest-4	21.29	21.38	21.02	21.27	20.92	20.89	21.24	21.45	21.64
HSUPA Subtest-1	20.98	22.64	22.22	21.52	22.21	22.18	22.16	22.64	22.9
HSUPA Subtest-2	22.41	22.79	22.29	22.46	22.32	22.29	22.65	22.88	23.05
HSUPA Subtest-3	20.75	21.83	21.29	20.97	21.22	20.83	20.91	21.52	21.7
HSUPA Subtest-4	22.6	22.75	22.43	22.49	22.4	22.34	22.66	22.91	23.08
HSUPA Subtest-5	21.24	21.95	21.86	21.25	21.81	21.72	21.3	22.54	22.41

According to 3GPP 25.101 sub-clause 6.2.2, the maximum output power is allowed to be reduced by following the table.

Table 6.1A: UE maximum output power with HS-DPCCH and E-DCH

UE Transmit Channel Configuration	CM (db)	MPR (db)
For all combinations of ,DPDCH,DPCCH HS-DPDCH,E-DPDCH and E-DPCCH	$0 \leq CM \leq 3.5$	$MAX(CM-1,0)$
Note: CM=1 for $\beta_c/\beta_d=12/15$, $\beta_{hs}/\beta_c=24/15$.For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.		

The device supports MPR to solve linearity issues (ACLR or SEM) due to the higher peak-to average ratios (PAR) of the HSUPA signal. This prevents saturating the full range of the TX DAC inside of device and provides a reduced power output to the RF transceiver chip according to the Cubic Metric (a function of the combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH).

When E-DPDCH channels are present the beta gains on those channels are reduced firsts to try to get the power under the allowed limit. If the beta gains are lowered as far as possible, then a hard limiting is applied at the maximum allowed level.

The SW currently recalculates the cubic metric every time the beta gains on the E-DPDCH are reduced. The cubic metric will likely get lower each time this is done .However, there is no reported reduction of maximum output power in the HSUPA mode since the device also provides a compensation for the power back-off by increasing the gain of TX_AGC in the transceiver (PA) device.

The end effect is that the DUT output power is identical to the case where there is no MPR in the device.



2.4G WLAN

2.4GWIFI					
Mode	Channel Number	Frequency (MHz)	ANT 1 Power (dBm)	ANT 2 Power (dBm)	MIMO Power (dBm)
802.11b	1	2412	14.58	14.09	N/A
	7	2437	14.33	13.28	N/A
	11	2462	14.42	14.28	N/A
802.11g	1	2412	13.39	12.73	N/A
	7	2437	13.45	12.23	N/A
	11	2462	13.09	12.47	N/A
802.11n-HT20	1	2412	13.17	11.81	14.06
	7	2437	13.38	12.4	13.46
	11	2462	12.92	12.45	14.32
802.11n-HT40	3	2422	14.04	13.39	14.27
	6	2437	14.15	13.32	13.33
	9	2452	13.97	13.45	14.12

Bluetooth

BT					
Mode	Channel Number	Frequency (MHz)	ANT 1 Average Power (dBm)	ANT 2 Average Power (dBm)	Output Power (mW)
GFSK(1Mbps)	0	2402	4.73	4.79	3.01
	39	2441	5.08	5.03	3.18
	78	2480	5.05	4.53	2.84
$\pi/4$ -QPSK(2Mbps)	0	2402	7.12	7.44	5.55
	39	2441	7.83	7.52	5.65
	78	2480	7.42	7.18	5.22
8DPSK(3Mbps)	0	2402	6.74	7.62	5.78
	39	2441	7.13	7.82	6.05
	78	2480	6.92	7.58	5.73

BLE

BLE					
Mode	Channel Number	Frequency (MHz)	ANT 1 Average Power (dBm)	ANT 2 Average Power (dBm)	Output Power (mW)
GFSK(1Mbps)	0	2402	4.53	4.91	3.10
	19	2440	4.84	5.01	3.17
	39	2480	4.8	4.51	2.82
GFSK(2Mbps)	0	2402	4.89	4.96	3.13
	19	2440	4.88	4.97	3.14
	39	2480	5	4.66	2.92



WLAN (5.2Gband)

5.2G WLAN					
Mode	Channel Number	Frequency (MHz)	ANT 1 Power (dBm)	ANT 2 Power (dBm)	MIMO Power (dBm)
802.11a20	36	5180	13.28	11.17	N/A
	40	5200	12.72	11.96	N/A
	48	5240	12.57	11.66	N/A
802.11n-HT20	36	5180	11.57	10.59	13.05
	40	5200	11.61	10.9	12.77
	48	5240	11.52	10.64	12.83
802.11n-HT40	38	5190	11.62	11.06	12.4
	46	5230	11.64	10.77	13.23
802.11ac-VHT20	36	5180	11.52	10.69	12.83
	40	5200	11.7	10.91	12
	48	5240	11.63	10.54	12.8
802.11ac-VHT40	38	5190	11.7	11	12.07
	46	5230	11.77	10.68	13.11
802.11ac-VHT80	42	5210	11.33	10.68	11.32
802.11ax-HE20	36	5180	11.51	10.75	13.07
	40	5200	11.48	11.03	12.28
	48	5240	11.63	10.72	12.97
802.11ax-HE40	38	5190	11.77	11.32	12.49
	46	5230	11.74	11.07	13.29
802.11ax-HE80	42	5210	11.59	10.8	11.7



WLAN (5.3G band)

5.3G WLAN					
Mode	Channel Number	Frequency (MHz)	ANT 1 Power (dBm)	ANT 2 Power (dBm)	MIMO Power (dBm)
802.11a20	52	5260	12.45	11.53	N/A
	60	5300	12.44	11.58	N/A
	64	5320	12.47	11.66	N/A
802.11n-HT20	52	5260	11.35	10.56	12.47
	60	5300	11.35	10.52	11.91
	64	5320	11.38	10.76	11.39
802.11n-HT40	54	5270	11.11	10.57	12.36
	62	5310	11.49	10.86	11.98
802.11ac-VHT20	52	5260	11.56	10.49	12.43
	60	5300	11.61	10.61	11.71
	64	5320	11.53	10.6	11.19
802.11ac-VHT40	54	5270	11.33	10.54	12.27
	62	5310	11.49	10.75	11.93
802.11ac-VHT80	58	5290	11.48	10.43	11.69
802.11ac-VHT160	50	5250	11.25	10.51	11.62
802.11ax-HE20	52	5260	11.27	10.71	12.54
	60	5300	11.45	10.6	11.91
	64	5320	11.43	10.85	11.46
802.11ax-HE40	54	5270	11.3	9.96	12.55
	62	5310	11.71	10.1	12.13
802.11ax-HE80	54	5290	11.46	10.43	11.92
802.11ax-HE160	50	5250	11.64	10.59	11.79



WLAN (5.6G band)

5.6G WLAN					
Mode	Channel Number	Frequency (MHz)	ANT 1 Power (dBm)	ANT 2 Power (dBm)	MIMO Power (dBm)
802.11a20	100	5500	11.99	11.27	N/A
	116	5580	12.61	11.3	N/A
	140	5700	13.09	13.07	N/A
802.11n-HT20	100	5500	10.93	10.51	11.83
	116	5580	11.69	10.62	12.46
	140	5700	12.02	11.91	13.03
802.11n-HT40	102	5510	10.89	10.46	11.38
	110	5550	10.94	10.15	12.33
	134	5670	11.59	11.52	13.13
802.11ac-VHT20	100	5500	11.31	10.23	11.78
	116	5580	11.84	10.52	12.33
	140	5700	12.21	11.9	13
802.11ac-VHT40	102	5510	10.83	10.08	11.42
	110	5550	11.04	9.91	12.41
	134	5670	11.62	11.34	12.97
802.11ac-VHT80	106	5530	10.91	10.31	11.21
	122	5610	11.72	10.94	12.32
802.11ac-VHT160	114	5570	11.54	10.74	12.16
802.11ax-HE20	100	5500	11.25	10.5	11.83
	116	5580	11.71	10.79	12.51
	140	5700	12.2	12.12	12.83
802.11ax-HE40	102	5510	11.14	9.3	11.69
	110	5550	11.31	10.02	12.68
	134	5670	11.85	11.42	13.21
802.11ax-HE80	106	5530	11.09	10.27	11.43
	122	5610	11.84	10.95	12.72
802.11ax-HE160	114	5570	11.8	10.81	12.21



WLAN (5.8G band)

5.8G WLAN					
Mode	Channel Number	Frequency (MHz)	ANT 1 Power (dBm)	ANT 2 Power (dBm)	MIMO Power (dBm)
802.11a20	149	5745	12.86	12.73	N/A
	157	5785	13.3	12.45	N/A
	165	5825	13.05	12.09	N/A
802.11n-HT20	149	5745	11.87	11.7	12.59
	157	5785	12.35	11.43	13.23
	165	5825	12.01	10.93	12.37
802.11n-HT40	151	5755	11.9	11.57	12.54
	159	5795	12.33	11.42	12.54
802.11ac-VHT20	149	5745	12.01	11.75	12.39
	157	5785	12.32	11.47	13
	165	5825	12.08	11.09	12.28
802.11ac-VHT40	151	5755	11.89	11.52	13.25
	159	5795	12.35	11.31	12.39
802.11ac-VHT80	155	5775	11.88	11.48	12.41
802.11ax-HE20	149	5745	11.89	11.9	12.57
	157	5785	12.27	11.64	13.27
	165	5825	12.03	11.13	12.4
802.11ax-HE40	151	5755	12.08	11.46	12.46
	159	5795	12.42	11.34	12.69
802.11ax-HE80	155	5775	12.12	11.47	12.73



LTE Conducted Power

General Note:

1. CMW500 base station simulator was used to setup the connection with EUT; the frequency band, channel bandwidth, RB allocation configuration, modulation type are set in the base station simulator to configure EUT transmitting at maximum power and at different configurations which are requested to be reported to FCC, for conducted power measurement and SAR testing.
2. Per KDB 941225 D05, when a properly configured base station simulator is used for the SAR and power measurements, spectrum plots for each RB allocation and offset configuration is not required.
3. Per KDB 941225 D05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
4. Per KDB 941225 D05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
5. Per KDB 941225 D05, For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
6. Per KDB 941225 D05, 16QAM output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 1.45 W/kg; Per KDB 941225 D05, 16QAM SAR testing is not required.
7. Per KDB 941225 D05, Smaller bandwidth output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; Per KDB 941225 D05, smaller bandwidth SAR testing is not required.



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	24.07	24.30	24.24
1.4	1	2		24.11	24.36	24.28
1.4	1	5		24.03	24.31	24.25
1.4	3	0		23.97	24.29	24.20
1.4	3	1		23.96	24.28	24.19
1.4	3	2		23.94	24.28	24.21
1.4	6	0		23.00	23.28	23.22
1.4	1	0	16-QAM	23.17	23.55	23.23
1.4	1	2		23.21	23.54	23.27
1.4	1	5		23.22	23.54	23.25
1.4	3	0		23.17	23.54	23.37
1.4	3	1		23.17	23.51	23.35
1.4	3	2		23.15	23.49	23.36
1.4	6	0		22.17	22.42	22.38
3	1	0	QPSK	23.97	24.31	24.19
3	1	7		23.98	24.31	24.27
3	1	14		23.95	24.26	24.22
3	8	0		23.04	23.30	23.18
3	8	4		22.97	23.29	23.20
3	8	7		23.00	23.27	23.22
3	15	0		23.00	23.33	23.22
3	1	0	16-QAM	23.40	23.53	23.15
3	1	7		23.43	23.52	23.21
3	1	14		23.42	23.49	23.22
3	8	0		22.04	22.32	22.22
3	8	4		22.03	22.26	22.17
3	8	7		22.04	22.26	22.22
3	15	0		22.04	22.26	22.29



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	24.15	24.40	24.17
5	1	12		24.16	24.37	24.19
5	1	24		24.16	24.36	24.22
5	12	0		23.01	23.32	23.18
5	12	6		22.99	23.28	23.19
5	12	11		23.10	23.22	23.23
5	25	0		23.07	23.37	23.24
5	1	0	16-QAM	23.61	23.74	23.55
5	1	12		23.62	23.70	23.56
5	1	24		23.64	23.67	23.56
5	12	0		22.01	22.30	22.24
5	12	6		22.05	22.25	22.24
5	12	11		22.04	22.20	22.21
5	25	0		22.00	22.34	22.16
10	1	0	QPSK	24.03	24.34	24.18
10	1	24		24.07	24.37	24.26
10	1	49		24.09	24.28	24.27
10	25	0		22.95	23.43	23.29
10	25	12		23.07	23.35	23.23
10	25	24		23.21	23.32	23.18
10	50	0		23.16	23.38	23.27
10	1	0	16-QAM	23.47	23.51	23.11
10	1	24		23.49	23.54	23.18
10	1	49		23.52	23.46	23.23
10	25	0		21.97	22.40	22.28
10	25	12		22.09	22.34	22.19
10	25	24		22.20	22.29	22.19
10	50	0		22.08	22.36	22.23



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	24.04	24.36	24.10
15	1	37		24.16	24.44	24.15
15	1	74		24.14	24.27	24.21
15	36	0		22.95	23.43	23.17
15	36	18		23.06	23.32	23.17
15	36	39		23.21	23.27	23.20
15	75	0		23.16	23.36	23.15
15	1	0	16-QAM	23.21	23.38	23.55
15	1	38		23.31	23.51	23.61
15	1	75		23.32	23.33	23.66
15	36	0		22.02	22.40	22.17
15	36	18		22.14	22.26	22.15
15	36	39		22.28	22.25	22.18
15	75	0		22.07	22.40	22.15
20	1	0	QPSK	24.03	24.36	24.18
20	1	49		24.14	24.48	24.18
20	1	99		24.25	24.29	24.26
20	50	0		22.87	23.59	23.15
20	50	24		23.16	23.33	23.17
20	50	49		23.34	23.38	23.08
20	100	0		23.14	23.48	23.09
20	1	0	16-QAM	23.53	23.52	23.47
20	1	49		23.62	23.65	23.47
20	1	99		23.78	23.51	23.55
20	50	0		21.91	22.58	22.15
20	50	24		22.17	22.28	22.17
20	50	49		22.37	22.36	22.09
20	100	0		22.10	22.47	22.09



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	24.03	24.00	23.92
1.4	1	2		24.02	24.03	23.95
1.4	1	5		23.96	24.00	23.91
1.4	3	0		23.95	23.85	23.93
1.4	3	1		23.95	23.86	23.90
1.4	3	2		23.96	23.86	23.92
1.4	6	0		22.98	22.87	22.93
1.4	1	0	16-QAM	22.89	23.13	23.18
1.4	1	2		22.92	23.14	23.13
1.4	1	5		22.92	23.13	23.15
1.4	3	0		23.10	23.05	23.16
1.4	3	1		23.09	23.05	23.18
1.4	3	2		23.12	23.02	23.14
1.4	6	0		22.13	22.03	22.08
3	1	0	QPSK	23.99	23.84	23.87
3	1	7		23.99	23.83	23.90
3	1	14		24.03	23.80	23.89
3	8	0		22.98	22.88	22.92
3	8	4		22.93	22.86	22.92
3	8	7		22.95	22.84	22.96
3	15	0		22.95	22.88	22.94
3	1	0	16-QAM	22.89	23.35	23.12
3	1	7		22.97	23.36	23.15
3	1	14		22.92	23.34	23.13
3	8	0		21.96	21.88	21.93
3	8	4		21.91	21.86	21.90
3	8	7		21.90	21.87	21.94
3	15	0		22.00	21.88	21.89



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.99	24.03	23.91
5	1	12		24.00	24.03	23.95
5	1	24		24.01	24.01	23.96
5	12	0		22.96	22.84	22.85
5	12	6		22.93	22.86	22.92
5	12	11		22.94	22.80	22.89
5	25	0		23.00	22.90	22.94
5	1	0	16-QAM	23.56	23.26	23.23
5	1	12		23.58	23.30	23.21
5	1	24		23.55	23.27	23.25
5	12	0		21.93	21.78	21.90
5	12	6		21.99	21.82	21.96
5	12	11		21.90	21.79	21.92
5	25	0		21.91	21.86	21.88
10	1	0	QPSK	23.90	24.01	23.94
10	1	24		23.98	23.95	23.92
10	1	49		23.92	23.92	23.94
10	25	0		22.97	22.95	22.84
10	25	12		22.96	22.91	22.92
10	25	24		23.01	22.86	23.01
10	50	0		23.01	22.88	22.92
10	1	0	16-QAM	23.40	23.14	22.82
10	1	24		23.45	23.14	22.84
10	1	49		23.42	23.08	22.88
10	25	0		21.93	21.91	21.81
10	25	12		21.97	21.87	21.88
10	25	24		22.02	21.80	21.97
10	50	0		21.96	21.90	21.83



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.94	23.92	23.95
15	1	37		23.99	23.96	23.96
15	1	74		23.89	23.89	23.99
15	36	0		22.91	22.91	22.84
15	36	18		22.97	22.87	22.89
15	36	39		22.96	22.83	22.95
15	75	0		22.96	22.93	22.94
15	1	0	16-QAM	23.40	23.12	22.99
15	1	38		23.43	23.10	23.03
15	1	75		23.33	23.02	23.01
15	36	0		21.98	21.96	21.81
15	36	18		21.95	21.91	21.83
15	36	39		22.05	21.93	21.88
15	75	0		21.95	21.88	21.93
20	1	0	QPSK	24.07	23.91	23.92
20	1	49		24.08	23.94	23.93
20	1	99		24.07	23.96	23.93
20	50	0		22.88	22.99	22.85
20	50	24		22.99	22.92	22.92
20	50	49		23.00	22.90	23.11
20	100	0		22.91	22.94	22.99
20	1	0	16-QAM	23.44	23.20	23.18
20	1	49		23.48	23.25	23.24
20	1	99		23.43	23.21	23.25
20	50	0		21.95	21.97	21.89
20	50	24		21.99	21.87	21.97
20	50	49		22.00	21.89	22.12
20	100	0		21.92	21.92	21.94



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.76	24.08	24.12
1.4	1	2		23.82	24.15	24.15
1.4	1	5		23.81	24.09	24.10
1.4	3	0		23.72	24.08	24.11
1.4	3	1		23.74	24.07	24.13
1.4	3	2		23.82	24.03	24.09
1.4	6	0		22.78	23.12	23.14
1.4	1	0	16-QAM	22.93	23.28	23.14
1.4	1	2		22.99	23.30	23.20
1.4	1	5		23.05	23.31	23.16
1.4	3	0		22.95	23.33	23.26
1.4	3	1		22.96	23.37	23.26
1.4	3	2		22.98	23.32	23.25
1.4	6	0		21.97	22.27	22.30
3	1	0	QPSK	23.75	24.07	24.10
3	1	7		23.84	24.11	24.06
3	1	14		23.85	24.06	24.03
3	8	0		22.78	23.11	23.13
3	8	4		22.76	23.15	23.13
3	8	7		22.79	23.16	23.12
3	15	0		22.81	23.19	23.17
3	1	0	16-QAM	22.75	23.49	23.31
3	1	7		22.81	23.54	23.28
3	1	14		22.81	23.50	23.27
3	8	0		21.82	22.05	22.17
3	8	4		21.76	22.15	22.15
3	8	7		21.79	22.21	22.14
3	15	0		21.87	22.19	22.14



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.76	24.00	24.22
5	1	12		23.89	24.23	24.23
5	1	24		23.99	24.27	24.17
5	12	0		22.85	23.02	23.31
5	12	6		22.83	23.11	23.18
5	12	11		22.73	23.20	23.13
5	25	0		22.86	23.13	23.23
5	1	0	16-QAM	23.30	23.43	23.71
5	1	12		23.40	23.49	23.67
5	1	24		23.42	23.49	23.60
5	12	0		21.82	22.10	22.33
5	12	6		21.81	22.19	22.19
5	12	11		21.68	22.24	22.13
5	25	0		21.88	22.10	22.23
10	1	0	QPSK	23.84	24.09	24.31
10	1	24		23.89	24.15	24.31
10	1	49		23.95	24.18	24.29
10	25	0		23.05	23.02	23.28
10	25	12		22.89	23.15	23.27
10	25	24		22.89	23.38	23.05
10	50	0		22.95	23.22	23.19
10	1	0	16-QAM	22.91	22.97	23.65
10	1	24		23.02	23.19	23.67
10	1	49		23.14	23.23	23.57
10	25	0		22.06	22.04	22.30
10	25	12		21.87	22.14	22.22
10	25	24		21.86	22.39	22.02
10	50	0		22.01	22.22	22.18



LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	24.06	23.60	23.57
5	1	12		24.07	23.60	23.63
5	1	24		24.09	23.60	23.60
5	12	0		23.06	22.62	22.53
5	12	6		23.06	22.60	22.50
5	12	11		23.01	22.54	22.46
5	25	0		23.12	22.61	22.51
5	1	0	16-QAM	23.38	22.94	22.99
5	1	12		23.35	22.94	23.02
5	1	24		23.39	22.93	23.00
5	12	0		22.00	21.64	21.54
5	12	6		22.04	21.66	21.51
5	12	11		21.98	21.58	21.43
5	25	0		22.07	21.52	21.47
10	1	0	QPSK	24.00	23.61	23.43
10	1	24		24.04	23.66	23.47
10	1	49		24.00	23.62	23.47
10	25	0		23.02	22.67	22.53
10	25	12		23.01	22.64	22.50
10	25	24		23.11	22.67	22.49
10	50	0		23.10	22.67	22.48
10	1	0	16-QAM	23.25	22.59	22.85
10	1	24		23.25	22.59	22.88
10	1	49		23.23	22.61	22.90
10	25	0		22.04	21.61	21.54
10	25	12		22.04	21.59	21.45
10	25	24		22.10	21.64	21.45
10	50	0		22.08	21.61	21.48



LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	24.08	23.68	23.36
15	1	37		24.02	23.70	23.38
15	1	74		24.02	23.68	23.43
15	36	0		23.01	22.57	22.42
15	36	18		23.01	22.62	22.40
15	36	39		23.00	22.59	22.41
15	75	0		23.04	22.57	22.40
15	1	0	16-QAM	23.19	23.03	22.56
15	1	38		23.18	23.05	22.64
15	1	75		23.12	23.00	22.62
15	36	0		21.95	21.62	21.50
15	36	18		21.99	21.66	21.54
15	36	39		21.98	21.63	21.52
15	75	0		22.07	21.57	21.46
20	1	0	QPSK	24.14	23.60	23.40
20	1	49		24.13	23.62	23.46
20	1	99		24.09	23.59	23.46
20	50	0		22.97	22.72	22.42
20	50	24		23.08	22.66	22.48
20	50	49		23.04	22.61	22.44
20	100	0		23.01	22.69	22.41
20	1	0	16-QAM	23.34	22.84	22.68
20	1	49		23.34	22.84	22.71
20	1	99		23.34	22.83	22.75
20	50	0		22.01	21.67	21.46
20	50	24		22.11	21.61	21.44
20	50	49		22.05	21.58	21.44
20	100	0		22.00	21.61	21.38



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.69	23.69	23.68
1.4	1	2		23.75	23.74	23.73
1.4	1	5		23.66	23.69	23.68
1.4	3	0		23.69	23.69	23.66
1.4	3	1		23.67	23.67	23.69
1.4	3	2		23.67	23.69	23.69
1.4	6	0		22.68	22.68	22.75
1.4	1	0	16-QAM	22.84	22.63	22.80
1.4	1	2		22.89	22.66	22.80
1.4	1	5		22.86	22.64	22.82
1.4	3	0		22.90	22.83	22.92
1.4	3	1		22.94	22.81	22.91
1.4	3	2		22.91	22.82	22.88
1.4	6	0		21.83	21.86	21.90
3	1	0	QPSK	23.69	23.71	23.68
3	1	7		23.65	23.72	23.65
3	1	14		23.64	23.69	23.67
3	8	0		22.69	22.64	22.71
3	8	4		22.67	22.65	22.64
3	8	7		22.74	22.64	22.67
3	15	0		22.72	22.66	22.71
3	1	0	16-QAM	22.88	22.64	23.13
3	1	7		22.87	22.62	23.13
3	1	14		22.83	22.62	23.12
3	8	0		21.71	21.66	21.73
3	8	4		21.68	21.64	21.70
3	8	7		21.72	21.62	21.71
3	15	0		21.67	21.73	21.72



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.75	23.70	23.73
5	1	12		23.73	23.69	23.73
5	1	24		23.72	23.71	23.69
5	12	0		22.58	22.76	22.57
5	12	6		22.63	22.68	22.65
5	12	11		22.67	22.61	22.60
5	25	0		22.70	22.67	22.60
5	1	0	16-QAM	23.01	23.03	23.22
5	1	12		23.02	23.02	23.23
5	1	24		23.01	22.97	23.27
5	12	0		21.56	21.83	21.60
5	12	6		21.62	21.70	21.69
5	12	11		21.69	21.56	21.60
5	25	0		21.68	21.66	21.54
10	1	0	QPSK	23.76	23.69	23.78
10	1	24		23.73	23.68	23.81
10	1	49		23.72	23.65	23.84
10	25	0		22.51	22.79	22.75
10	25	12		22.74	22.72	22.72
10	25	24		22.51	22.68	22.77
10	50	0		22.53	22.70	22.77
10	1	0	16-QAM	22.59	23.10	22.85
10	1	24		22.52	23.15	22.85
10	1	49		22.55	23.15	22.87
10	25	0		21.47	21.77	21.73
10	25	12		21.69	21.70	21.73
10	25	24		21.55	21.65	21.77
10	50	0		21.50	21.73	21.77



LTE Band 13 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.70	23.58	23.70
5	1	12		23.73	23.63	23.73
5	1	24		23.74	23.64	23.76
5	12	0		22.50	22.61	22.65
5	12	6		22.62	22.58	22.68
5	12	11		22.59	22.56	22.61
5	25	0		22.61	22.60	22.64
5	1	0	16-QAM	23.00	22.93	23.17
5	1	12		23.02	22.98	23.22
5	1	24		23.01	22.97	23.26
5	12	0		21.52	21.61	21.69
5	12	6		21.60	21.65	21.70
5	12	11		21.62	21.60	21.65
5	25	0		21.60	21.53	21.63
10	1	0	QPSK	/	23.88	/
10	1	24		/	23.86	/
10	1	49		/	23.91	/
10	25	0		/	22.48	/
10	25	12		/	22.63	/
10	25	24		/	22.60	/
10	50	0		/	22.57	/
10	1	0	16-QAM	/	22.79	/
10	1	24		/	22.83	/
10	1	49		/	22.84	/
10	25	0		/	21.47	/
10	25	12		/	21.62	/
10	25	24		/	21.58	/
10	50	0		/	21.58	/



LTE Band 17 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.66	23.70	23.73
5	1	12		23.76	23.75	23.84
5	1	24		23.72	23.70	23.81
5	12	0		22.71	22.70	22.63
5	12	6		22.69	22.65	22.70
5	12	11		22.59	22.67	22.62
5	25	0		22.72	22.76	22.63
5	1	0	16-QAM	23.21	22.97	23.29
5	1	12		23.15	23.08	23.29
5	1	24		23.08	23.04	23.31
5	12	0		21.65	21.77	21.58
5	12	6		21.65	21.71	21.70
5	12	11		21.54	21.70	21.64
5	25	0		21.72	21.73	21.61
10	1	0	QPSK	23.71	23.67	23.83
10	1	24		23.69	23.73	23.87
10	1	49		23.80	23.70	23.91
10	25	0		22.84	22.80	22.79
10	25	12		22.74	22.74	22.75
10	25	24		22.82	22.82	22.83
10	50	0		22.85	22.81	22.81
10	1	0	16-QAM	23.07	22.88	22.56
10	1	24		23.13	22.96	22.61
10	1	49		23.11	22.92	22.60
10	25	0		21.83	21.79	21.77
10	25	12		21.74	21.71	21.71
10	25	24		21.85	21.84	21.78
10	50	0		21.79	21.84	21.77



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.81	24.24	24.03
1.4	1	2		23.91	24.25	24.05
1.4	1	5		23.84	24.19	24.01
1.4	3	0		23.88	24.16	24.04
1.4	3	1		23.83	24.16	24.08
1.4	3	2		23.84	24.13	24.07
1.4	6	0		22.86	23.15	23.11
1.4	1	0	16-QAM	23.08	23.13	23.09
1.4	1	2		23.06	23.16	23.06
1.4	1	5		23.07	23.14	23.07
1.4	3	0		23.10	23.28	23.31
1.4	3	1		23.12	23.29	23.32
1.4	3	2		23.09	23.29	23.31
1.4	6	0		22.00	22.31	22.26
3	1	0	QPSK	23.84	24.19	24.06
3	1	7		23.88	24.18	24.09
3	1	14		23.82	24.04	24.07
3	8	0		22.90	23.16	23.07
3	8	4		22.82	23.14	23.06
3	8	7		22.89	23.14	23.08
3	15	0		22.88	23.14	23.09
3	1	0	16-QAM	23.26	23.40	23.09
3	1	7		23.34	23.41	23.16
3	1	14		23.29	23.26	23.20
3	8	0		21.89	22.15	22.11
3	8	4		21.86	22.15	22.05
3	8	7		21.90	22.10	22.08
3	15	0		21.90	22.09	22.16



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.92	24.19	24.09
5	1	12		24.00	24.24	24.17
5	1	24		24.14	24.13	24.23
5	12	0		22.84	23.18	23.01
5	12	6		22.91	23.15	23.09
5	12	11		22.88	23.03	23.06
5	25	0		22.95	23.18	23.10
5	1	0	16-QAM	23.48	23.62	23.39
5	1	12		23.49	23.55	23.42
5	1	24		23.52	23.48	23.35
5	12	0		21.84	22.11	22.06
5	12	6		21.93	22.10	22.12
5	12	11		21.92	22.01	22.06
5	25	0		21.86	22.14	22.01
10	1	0	QPSK	23.95	24.18	24.04
10	1	24		24.02	24.16	24.11
10	1	49		24.00	24.01	24.07
10	25	0		22.87	23.20	23.12
10	25	12		22.98	23.20	23.10
10	25	24		23.12	23.16	23.16
10	50	0		23.00	23.23	23.14
10	1	0	16-QAM	22.83	23.63	23.20
10	1	24		22.89	23.62	23.27
10	1	49		22.87	23.47	23.24
10	25	0		21.83	22.22	22.11
10	25	12		21.93	22.19	22.08
10	25	24		22.09	22.16	22.16
10	50	0		21.93	22.20	22.09



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.85	24.19	24.09
15	1	37		23.94	24.23	24.18
15	1	74		23.99	24.03	24.22
15	36	0		22.83	23.27	23.12
15	36	18		22.92	23.15	23.06
15	36	39		23.08	23.13	23.12
15	75	0		23.04	23.23	23.16
15	1	0	16-QAM	23.33	23.39	23.12
15	1	38		23.41	23.43	23.16
15	1	75		23.42	23.20	23.15
15	36	0		21.89	22.28	22.12
15	36	18		21.96	22.23	22.01
15	36	39		22.12	22.20	22.09
15	75	0		21.97	22.19	22.14
20	1	0	QPSK	24.00	24.26	24.05
20	1	49		24.02	24.22	24.10
20	1	99		24.06	24.17	24.15
20	50	0		22.72	23.40	23.27
20	50	24		23.00	23.20	23.08
20	50	49		23.23	23.32	23.14
20	100	0		22.96	23.37	23.24
20	1	0	16-QAM	23.20	23.67	23.25
20	1	49		23.29	23.68	23.31
20	1	99		23.42	23.61	23.29
20	50	0		21.74	22.38	22.24
20	50	24		21.99	22.21	22.07
20	50	49		22.21	22.34	22.15
20	100	0		21.99	22.34	22.20



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.83	23.81	23.67
1.4	1	2		23.89	23.84	23.71
1.4	1	5		23.82	23.80	23.65
1.4	3	0		23.85	23.70	23.66
1.4	3	1		23.83	23.71	23.66
1.4	3	2		23.80	23.69	23.67
1.4	6	0		22.87	22.73	22.69
1.4	1	0	16-QAM	22.90	22.92	22.86
1.4	1	2		22.90	22.90	22.87
1.4	1	5		22.87	22.83	22.87
1.4	3	0		22.97	22.98	22.91
1.4	3	1		22.96	22.95	22.92
1.4	3	2		22.97	22.92	22.92
1.4	6	0		22.04	21.94	21.84
3	1	0	QPSK	23.84	23.73	23.66
3	1	7		23.85	23.68	23.61
3	1	14		23.78	23.64	23.62
3	8	0		22.81	22.72	22.62
3	8	4		22.79	22.71	22.65
3	8	7		22.79	22.70	22.64
3	15	0		22.81	22.75	22.68
3	1	0	16-QAM	22.89	23.15	22.87
3	1	7		22.87	23.13	22.82
3	1	14		22.75	23.12	22.81
3	8	0		21.86	21.74	21.65
3	8	4		21.79	21.72	21.63
3	8	7		21.80	21.76	21.66
3	15	0		21.89	21.79	21.62



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.95	23.79	23.70
5	1	12		23.88	23.74	23.68
5	1	24		23.82	23.74	23.68
5	12	0		22.84	22.59	22.51
5	12	6		22.78	22.72	22.65
5	12	11		22.77	22.81	22.65
5	25	0		22.88	22.77	22.66
5	1	0	16-QAM	23.34	23.09	23.05
5	1	12		23.29	23.06	23.00
5	1	24		23.24	23.05	23.01
5	12	0		21.85	21.59	21.59
5	12	6		21.81	21.67	21.71
5	12	11		21.82	21.75	21.71
5	25	0		21.78	21.75	21.60
10	1	0	QPSK	/	23.97	/
10	1	24		/	23.91	/
10	1	49		/	23.83	/
10	25	0		/	22.67	/
10	25	12		/	22.78	/
10	25	24		/	22.96	/
10	50	0		/	22.80	/
10	1	0	16-QAM	/	22.77	/
10	1	24		/	22.74	/
10	1	49		/	22.69	/
10	25	0		/	21.65	/
10	25	12		/	21.72	/
10	25	24		/	21.94	/
10	50	0		/	21.76	/



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.63	23.98	24.01
1.4	1	2		23.68	24.02	24.03
1.4	1	5		23.64	24.01	23.95
1.4	3	0		23.64	23.95	23.97
1.4	3	1		23.63	23.95	23.97
1.4	3	2		23.63	23.98	23.95
1.4	6	0		22.66	22.98	23.01
1.4	1	0	16-QAM	22.82	22.99	23.11
1.4	1	2		22.82	23.03	23.08
1.4	1	5		22.83	23.00	23.03
1.4	3	0		22.87	23.10	23.23
1.4	3	1		22.89	23.10	23.21
1.4	3	2		22.89	23.13	23.18
1.4	6	0		21.82	22.15	22.16
3	1	0	QPSK	23.59	23.94	24.02
3	1	7		23.63	24.02	23.97
3	1	14		23.62	24.04	23.98
3	8	0		22.62	22.95	23.05
3	8	4		22.60	22.98	23.03
3	8	7		22.63	23.07	23.01
3	15	0		22.63	23.03	23.09
3	1	0	16-QAM	22.85	22.95	23.48
3	1	7		22.91	23.01	23.43
3	1	14		22.86	23.00	23.39
3	8	0		21.66	21.96	22.05
3	8	4		21.62	21.97	22.06
3	8	7		21.64	22.07	22.06
3	15	0		21.58	22.09	22.10



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.64	23.82	24.05
5	1	12		23.87	23.99	24.15
5	1	24		24.02	24.03	24.07
5	12	0		22.72	22.93	23.17
5	12	6		22.70	22.97	23.05
5	12	11		22.60	23.11	22.99
5	25	0		22.68	23.07	23.14
5	1	0	16-QAM	22.98	23.47	23.62
5	1	12		23.01	23.50	23.58
5	1	24		23.13	23.60	23.60
5	12	0		21.76	21.89	22.13
5	12	6		21.72	22.01	22.01
5	12	11		21.60	22.14	21.94
5	25	0		21.65	22.01	22.16
10	1	0	QPSK	23.65	23.92	24.06
10	1	24		23.83	24.05	24.08
10	1	49		23.91	24.11	24.06
10	25	0		22.90	22.86	23.16
10	25	12		22.80	23.03	23.14
10	25	24		22.75	23.25	22.93
10	50	0		22.85	23.09	23.08
10	1	0	16-QAM	22.80	22.88	23.49
10	1	24		22.97	23.03	23.51
10	1	49		23.03	23.08	23.43
10	25	0		21.88	21.89	22.19
10	25	12		21.80	22.06	22.08
10	25	24		21.74	22.25	21.88
10	50	0		21.89	22.10	22.06



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.63	24.02	24.10
15	1	37		23.68	24.15	24.10
15	1	74		23.80	24.21	24.12
15	36	0		22.88	22.84	22.86
15	36	18		22.83	22.97	23.03
15	36	39		23.06	23.10	22.89
15	75	0		22.97	23.07	22.86
15	1	0	16-QAM	23.03	23.05	23.08
15	1	38		23.27	23.25	23.21
15	1	75		23.49	23.26	23.16
15	36	0		21.92	21.94	21.86
15	36	18		21.87	22.07	22.01
15	36	39		22.13	22.20	21.87
15	75	0		21.96	22.01	21.93



LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	24.35	25.21	25.20
5	1	12		24.39	25.35	25.19
5	1	24		24.39	25.35	25.23
5	12	0		24.41	24.99	25.19
5	12	6		24.41	25.02	25.26
5	12	11		24.50	25.07	25.22
5	25	0		24.53	25.02	25.33
5	1	0	16-QAM	24.61	24.83	25.11
5	1	12		24.67	25.04	25.14
5	1	24		24.68	24.98	25.19
5	12	0		24.55	25.06	25.29
5	12	6		24.56	25.10	25.35
5	12	11		24.57	25.10	25.31
5	25	0		24.50	25.04	25.36
10	1	0	QPSK	24.55	24.97	25.19
10	1	24		24.62	25.15	25.23
10	1	49		24.65	25.10	25.23
10	25	0		24.56	24.96	25.30
10	25	12		24.59	25.05	25.29
10	25	24		24.65	25.08	25.32
10	50	0		24.57	25.04	25.23
10	1	0	16-QAM	25.06	25.06	25.44
10	1	24		25.05	25.22	25.44
10	1	49		25.10	25.18	25.44
10	25	0		24.55	25.00	25.29
10	25	12		24.57	25.08	25.30
10	25	24		24.55	25.10	25.26
10	50	0		24.55	25.06	25.26



LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	24.59	24.95	25.44
15	1	37		24.65	25.15	25.54
15	1	74		24.69	25.10	25.46
15	36	0		24.56	24.94	25.20
15	36	18		24.53	24.98	25.18
15	36	39		24.50	25.03	25.15
15	75	0		24.55	24.97	25.23
15	1	0	16-QAM	25.03	25.04	25.49
15	1	38		25.09	25.25	25.56
15	1	75		25.08	25.16	25.56
15	36	0		24.67	25.08	25.28
15	36	18		24.61	25.13	25.26
15	36	39		24.63	25.14	25.26
15	75	0		24.52	25.02	25.19
20	1	0	QPSK	24.68	25.51	25.32
20	1	49		24.74	25.59	25.31
20	1	99		24.75	25.61	25.34
20	50	0		24.72	25.05	25.23
20	50	24		24.69	25.02	25.27
20	50	49		24.70	25.07	25.26
20	100	0		24.58	25.09	25.23
20	1	0	16-QAM	24.57	25.18	25.22
20	1	49		24.64	25.38	25.30
20	1	99		24.64	25.33	25.31
20	50	0		24.65	25.10	25.38
20	50	24		24.64	25.07	25.38
20	50	49		24.64	25.15	25.38
20	100	0		24.64	25.17	25.32



LTE Band 40 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	14.01	13.90	13.91
5	1	12		14.02	13.89	13.96
5	1	24		13.93	13.94	13.95
5	12	0		12.91	12.90	12.80
5	12	6		12.88	12.85	12.87
5	12	11		12.87	12.80	12.81
5	25	0		12.92	12.85	12.82
5	1	0	16-QAM	13.27	13.32	13.59
5	1	12		13.28	13.27	13.60
5	1	24		13.28	13.31	13.54
5	12	0		11.87	11.96	11.84
5	12	6		11.90	11.94	11.92
5	12	11		11.85	11.88	11.87
5	25	0		11.93	11.84	11.81
10	1	0	QPSK	/	14.02	/
10	1	24		/	13.95	/
10	1	49		/	13.96	/
10	25	0		/	12.95	/
10	25	12		/	12.89	/
10	25	24		/	12.82	/
10	50	0		/	12.86	/
10	1	0	16-QAM	/	13.09	/
10	1	24		/	13.08	/
10	1	49		/	13.04	/
10	25	0		/	11.94	/
10	25	12		/	11.89	/
10	25	24		/	11.82	/
10	50	0		/	11.88	/



LTE Band 40 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	19.39	19.41	19.38
5	1	12		19.37	19.37	19.38
5	1	24		19.34	19.36	19.38
5	12	0		18.35	18.37	18.26
5	12	6		18.28	18.33	18.27
5	12	11		18.32	18.28	18.25
5	25	0		18.34	18.28	18.30
5	1	0	16-QAM	18.73	19.03	18.66
5	1	12		18.71	19.02	18.64
5	1	24		18.72	18.99	18.62
5	12	0		17.33	17.31	17.24
5	12	6		17.30	17.30	17.18
5	12	11		17.28	17.25	17.18
5	25	0		17.27	17.20	17.28
10	1	0	QPSK	/	19.45	/
10	1	24		/	19.38	/
10	1	49		/	19.36	/
10	25	0		/	18.41	/
10	25	12		/	18.35	/
10	25	24		/	18.32	/
10	50	0		/	18.28	/
10	1	0	16-QAM	/	18.48	/
10	1	24		/	18.48	/
10	1	49		/	18.43	/
10	25	0		/	17.34	/
10	25	12		/	17.31	/
10	25	24		/	17.25	/
10	50	0		/	17.28	/



LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	25.02	24.67	25.17
5	1	12		25.01	24.67	25.19
5	1	24		25.04	24.66	25.21
5	12	0		24.96	24.66	24.99
5	12	6		25.00	24.77	25.02
5	12	11		24.95	24.71	25.01
5	25	0		25.04	24.72	25.03
5	1	0	16-QAM	25.23	25.02	25.60
5	1	12		25.28	25.02	25.60
5	1	24		25.30	24.96	25.62
5	12	0		24.97	24.75	25.05
5	12	6		24.98	24.80	25.05
5	12	11		25.02	24.74	25.04
5	25	0		25.06	24.74	24.99
10	1	0	QPSK	24.94	24.80	25.03
10	1	24		25.00	24.76	25.09
10	1	49		25.00	24.80	25.06
10	25	0		25.04	24.76	25.01
10	25	12		24.98	24.74	25.06
10	25	24		24.99	24.76	25.03
10	50	0		24.98	24.76	25.06
10	1	0	16-QAM	25.06	25.30	25.14
10	1	24		25.04	25.26	25.18
10	1	49		25.09	25.29	25.17
10	25	0		25.02	24.78	24.97
10	25	12		24.97	24.69	25.08
10	25	24		24.98	24.79	25.07
10	50	0		24.98	24.79	25.10



LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	25.02	24.89	25.16
15	1	37		25.04	24.90	25.18
15	1	74		25.02	24.94	25.15
15	36	0		24.99	24.77	25.10
15	36	18		24.94	24.75	25.11
15	36	39		25.03	24.68	25.10
15	75	0		24.99	24.71	25.13
15	1	0	16-QAM	24.94	24.75	25.16
15	1	38		24.95	24.77	25.11
15	1	75		24.99	24.87	25.21
15	36	0		25.00	24.71	25.11
15	36	18		25.07	24.71	25.19
15	36	39		25.07	24.78	25.19
15	75	0		24.95	24.79	25.15
20	1	0	QPSK	25.14	25.00	25.69
20	1	49		25.19	24.99	25.63
20	1	99		25.14	25.02	25.69
20	50	0		24.97	24.84	25.17
20	50	24		24.97	24.82	25.22
20	50	49		25.07	24.78	25.21
20	100	0		25.00	24.81	25.21
20	1	0	16-QAM	25.21	24.88	25.44
20	1	49		25.22	24.93	25.40
20	1	99		25.19	24.97	25.46
20	50	0		25.07	24.75	25.21
20	50	24		25.06	24.73	25.24
20	50	49		25.15	24.82	25.32
20	100	0		25.05	24.79	25.25



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.82	23.69	23.64
1.4	1	2		23.80	23.76	23.68
1.4	1	5		23.77	23.70	23.67
1.4	3	0		23.78	23.69	23.57
1.4	3	1		23.78	23.68	23.59
1.4	3	2		23.77	23.64	23.59
1.4	6	0		22.79	22.68	22.63
1.4	1	0	16-QAM	22.96	22.61	22.76
1.4	1	2		22.98	22.63	22.78
1.4	1	5		22.99	22.62	22.77
1.4	3	0		22.98	22.80	22.80
1.4	3	1		23.01	22.82	22.80
1.4	3	2		23.03	22.81	22.78
1.4	6	0		21.92	21.80	21.77
3	1	0	QPSK	23.80	23.63	23.55
3	1	7		23.82	23.63	23.58
3	1	14		23.84	23.59	23.54
3	8	0		22.76	22.69	22.59
3	8	4		22.76	22.65	22.59
3	8	7		22.76	22.64	22.63
3	15	0		22.78	22.62	22.59
3	1	0	16-QAM	22.73	23.12	22.79
3	1	7		22.70	23.10	22.82
3	1	14		22.71	23.11	22.75
3	8	0		21.77	21.67	21.60
3	8	4		21.75	21.67	21.57
3	8	7		21.78	21.65	21.59
3	15	0		21.83	21.65	21.52



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.86	23.65	23.68
5	1	12		23.84	23.72	23.66
5	1	24		23.79	23.71	23.68
5	12	0		22.81	22.66	22.53
5	12	6		22.80	22.65	22.58
5	12	11		22.74	22.63	22.57
5	25	0		22.79	22.69	22.59
5	1	0	16-QAM	23.38	23.17	22.95
5	1	12		23.37	23.17	22.98
5	1	24		23.39	23.21	23.00
5	12	0		21.75	21.60	21.61
5	12	6		21.80	21.60	21.65
5	12	11		21.80	21.63	21.61
5	25	0		21.74	21.65	21.54
10	1	0	QPSK	23.78	23.70	23.71
10	1	24		23.79	23.73	23.68
10	1	49		23.73	23.70	23.72
10	25	0		22.79	22.69	22.53
10	25	12		22.78	22.70	22.58
10	25	24		22.81	22.76	22.68
10	50	0		22.79	22.73	22.64
10	1	0	16-QAM	23.23	22.87	22.54
10	1	24		23.24	22.88	22.56
10	1	49		23.21	22.90	22.62
10	25	0		21.76	21.65	21.52
10	25	12		21.79	21.67	21.55
10	25	24		21.84	21.74	21.66
10	50	0		21.79	21.73	21.57



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.83	23.69	23.65
15	1	37		23.88	23.71	23.63
15	1	74		23.76	23.66	23.68
15	36	0		22.74	22.64	22.61
15	36	18		22.73	22.68	22.64
15	36	39		22.71	22.70	22.68
15	75	0		22.77	22.67	22.72
15	1	0	16-QAM	22.88	23.12	22.84
15	1	38		22.91	23.15	22.79
15	1	75		22.80	23.09	22.83
15	36	0		21.67	21.67	21.63
15	36	18		21.68	21.72	21.65
15	36	39		21.70	21.72	21.78
15	75	0		21.78	21.64	21.62
20	1	0	QPSK	23.89	23.70	23.56
20	1	49		23.87	23.70	23.62
20	1	99		23.92	23.73	23.64
20	50	0		22.69	22.66	22.80
20	50	24		22.77	22.73	22.66
20	50	49		22.69	22.84	22.86
20	100	0		22.70	22.73	22.79
20	1	0	16-QAM	23.07	22.95	23.01
20	1	49		23.05	22.99	22.98
20	1	99		23.00	23.01	23.02
20	50	0		21.64	21.64	21.82
20	50	24		21.71	21.74	21.64
20	50	49		21.68	21.86	21.88
20	100	0		21.65	21.72	21.79



LTE Band 71 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.32	23.29	23.35
5	1	12		23.32	23.34	23.37
5	1	24		23.40	23.33	23.26
5	12	0		22.02	22.30	22.13
5	12	6		22.19	22.28	22.13
5	12	11		22.20	22.31	21.90
5	25	0		22.19	22.35	22.08
5	1	0	16-QAM	22.62	22.86	22.52
5	1	12		22.55	22.86	22.46
5	1	24		22.55	22.87	22.42
5	12	0		21.11	21.30	21.07
5	12	6		21.29	21.32	21.09
5	12	11		21.27	21.31	20.88
5	25	0		21.14	21.30	21.04
10	1	0	QPSK	23.32	23.27	23.27
10	1	24		23.25	23.39	23.25
10	1	49		23.31	23.33	23.20
10	25	0		22.02	22.28	22.14
10	25	12		22.27	22.33	22.24
10	25	24		22.14	22.27	22.08
10	50	0		22.07	22.31	22.12
10	1	0	16-QAM	22.70	22.43	22.26
10	1	24		22.70	22.49	22.22
10	1	49		22.76	22.48	22.13
10	25	0		21.03	21.25	21.13
10	25	12		21.28	21.32	21.21
10	25	24		21.10	21.25	21.09
10	50	0		21.04	21.30	21.06



LTE Band 71 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.39	23.22	23.30
15	1	37		23.36	23.33	23.23
15	1	74		23.34	23.31	23.17
15	36	0		22.14	22.20	22.33
15	36	18		22.23	22.28	22.26
15	36	39		22.32	22.27	22.27
15	75	0		22.25	22.28	22.33
15	1	0	16-QAM	22.40	22.69	22.43
15	1	38		22.40	22.80	22.41
15	1	75		22.42	22.74	22.32
15	36	0		21.12	21.25	21.43
15	36	18		21.23	21.31	21.32
15	36	39		21.27	21.32	21.33
15	75	0		21.26	21.22	21.26
20	1	0	QPSK	23.31	23.34	23.20
20	1	49		23.23	23.41	23.15
20	1	99		23.23	23.39	23.17
20	50	0		22.34	22.19	22.55
20	50	24		22.33	22.37	22.37
20	50	49		22.40	22.27	22.54
20	100	0		22.34	22.23	22.56
20	1	0	16-QAM	22.60	22.60	22.56
20	1	49		22.59	22.70	22.53
20	1	99		22.64	22.67	22.43
20	50	0		21.36	21.22	21.51
20	50	24		21.36	21.38	21.34
20	50	49		21.42	21.29	21.47
20	100	0		21.35	21.22	21.50



Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Verdict
n2	15	5	370500	25@0	DFT_BPSK	21.93	PASS
n2	15	5	370500	12@6	DFT_BPSK	22.44	PASS
n2	15	5	370500	1@1	DFT_BPSK	22.4	PASS
n2	15	5	370500	1@23	DFT_BPSK	22.36	PASS
n2	15	5	370500	25@0	DFT_QPSK	21.37	PASS
n2	15	5	370500	12@6	DFT_QPSK	22.46	PASS
n2	15	5	370500	1@1	DFT_QPSK	22.29	PASS
n2	15	5	370500	1@23	DFT_QPSK	22.35	PASS
n2	15	5	370500	25@0	DFT_16QAM	20.39	PASS
n2	15	5	370500	12@6	DFT_16QAM	21.48	PASS
n2	15	5	370500	1@1	DFT_16QAM	21.12	PASS
n2	15	5	370500	1@23	DFT_16QAM	21.08	PASS
n2	15	5	370500	25@0	DFT_64QAM	19.86	PASS
n2	15	5	370500	12@6	DFT_64QAM	19.86	PASS
n2	15	5	370500	1@1	DFT_64QAM	19.53	PASS
n2	15	5	370500	1@23	DFT_64QAM	19.54	PASS
n2	15	5	370500	25@0	DFT_256QAM	17.78	PASS
n2	15	5	370500	12@6	DFT_256QAM	17.94	PASS
n2	15	5	370500	1@1	DFT_256QAM	18.13	PASS
n2	15	5	370500	1@23	DFT_256QAM	18.09	PASS
n2	15	5	370500	25@0	CP_QPSK	19.38	PASS
n2	15	5	370500	13@6	CP_QPSK	20.89	PASS
n2	15	5	370500	1@1	CP_QPSK	20.85	PASS
n2	15	5	370500	1@23	CP_QPSK	20.85	PASS
n2	15	5	376000	25@0	DFT_BPSK	21.87	PASS
n2	15	5	376000	12@6	DFT_BPSK	22.44	PASS
n2	15	5	376000	1@1	DFT_BPSK	22.32	PASS
n2	15	5	376000	1@23	DFT_BPSK	22.41	PASS
n2	15	5	376000	25@0	DFT_QPSK	21.35	PASS
n2	15	5	376000	12@6	DFT_QPSK	22.42	PASS
n2	15	5	376000	1@1	DFT_QPSK	22.23	PASS
n2	15	5	376000	1@23	DFT_QPSK	22.34	PASS
n2	15	5	376000	25@0	DFT_16QAM	20.31	PASS
n2	15	5	376000	12@6	DFT_16QAM	21.43	PASS
n2	15	5	376000	1@1	DFT_16QAM	21.07	PASS
n2	15	5	376000	1@23	DFT_16QAM	21.18	PASS
n2	15	5	376000	25@0	DFT_64QAM	19.85	PASS
n2	15	5	376000	12@6	DFT_64QAM	19.86	PASS
n2	15	5	376000	1@1	DFT_64QAM	19.48	PASS
n2	15	5	376000	1@23	DFT_64QAM	19.54	PASS
n2	15	5	376000	25@0	DFT_256QAM	17.75	PASS
n2	15	5	376000	12@6	DFT_256QAM	17.93	PASS
n2	15	5	376000	1@1	DFT_256QAM	18.03	PASS
n2	15	5	376000	1@23	DFT_256QAM	18.15	PASS
n2	15	5	376000	25@0	CP_QPSK	19.38	PASS
n2	15	5	376000	13@6	CP_QPSK	20.9	PASS



n2	15	5	376000	1@1	CP_QPSK	20.81	PASS
n2	15	5	376000	1@23	CP_QPSK	20.9	PASS
n2	15	5	381500	25@0	DFT_BPSK	22	PASS
n2	15	5	381500	12@6	DFT_BPSK	22.54	PASS
n2	15	5	381500	1@1	DFT_BPSK	22.43	PASS
n2	15	5	381500	1@23	DFT_BPSK	22.47	PASS
n2	15	5	381500	25@0	DFT_QPSK	21.53	PASS
n2	15	5	381500	12@6	DFT_QPSK	22.55	PASS
n2	15	5	381500	1@1	DFT_QPSK	22.37	PASS
n2	15	5	381500	1@23	DFT_QPSK	22.43	PASS
n2	15	5	381500	25@0	DFT_16QAM	20.48	PASS
n2	15	5	381500	12@6	DFT_16QAM	21.56	PASS
n2	15	5	381500	1@1	DFT_16QAM	21.25	PASS
n2	15	5	381500	1@23	DFT_16QAM	21.25	PASS
n2	15	5	381500	25@0	DFT_64QAM	19.98	PASS
n2	15	5	381500	12@6	DFT_64QAM	19.96	PASS
n2	15	5	381500	1@1	DFT_64QAM	19.65	PASS
n2	15	5	381500	1@23	DFT_64QAM	19.64	PASS
n2	15	5	381500	25@0	DFT_256QAM	17.9	PASS
n2	15	5	381500	12@6	DFT_256QAM	18.06	PASS
n2	15	5	381500	1@1	DFT_256QAM	18.19	PASS
n2	15	5	381500	1@23	DFT_256QAM	18.21	PASS
n2	15	5	381500	25@0	CP_QPSK	19.53	PASS
n2	15	5	381500	13@6	CP_QPSK	21.02	PASS
n2	15	5	381500	1@1	CP_QPSK	20.93	PASS
n2	15	5	381500	1@23	CP_QPSK	20.97	PASS
n2	15	10	371000	50@0	DFT_BPSK	21.92	PASS
n2	15	10	371000	25@12	DFT_BPSK	22.41	PASS
n2	15	10	371000	1@1	DFT_BPSK	22.38	PASS
n2	15	10	371000	1@50	DFT_BPSK	22.33	PASS
n2	15	10	371000	50@0	DFT_QPSK	21.41	PASS
n2	15	10	371000	25@12	DFT_QPSK	22.41	PASS
n2	15	10	371000	1@1	DFT_QPSK	22.34	PASS
n2	15	10	371000	1@50	DFT_QPSK	22.32	PASS
n2	15	10	371000	50@0	DFT_16QAM	20.31	PASS
n2	15	10	371000	25@12	DFT_16QAM	21.32	PASS
n2	15	10	371000	1@1	DFT_16QAM	21.14	PASS
n2	15	10	371000	1@50	DFT_16QAM	21.11	PASS
n2	15	10	371000	50@0	DFT_64QAM	19.92	PASS
n2	15	10	371000	25@12	DFT_64QAM	19.83	PASS
n2	15	10	371000	1@1	DFT_64QAM	19.5	PASS
n2	15	10	371000	1@50	DFT_64QAM	19.46	PASS
n2	15	10	371000	50@0	DFT_256QAM	17.77	PASS
n2	15	10	371000	25@12	DFT_256QAM	17.75	PASS
n2	15	10	371000	1@1	DFT_256QAM	18.07	PASS
n2	15	10	371000	1@50	DFT_256QAM	18.08	PASS
n2	15	10	371000	52@0	CP_QPSK	19.41	PASS
n2	15	10	371000	26@13	CP_QPSK	20.85	PASS



n2	15	10	371000	1@1	CP_QPSK	20.83	PASS
n2	15	10	371000	1@50	CP_QPSK	20.82	PASS
n2	15	10	376000	50@0	DFT_BPSK	21.88	PASS
n2	15	10	376000	25@12	DFT_BPSK	22.36	PASS
n2	15	10	376000	1@1	DFT_BPSK	22.29	PASS
n2	15	10	376000	1@50	DFT_BPSK	22.41	PASS
n2	15	10	376000	50@0	DFT_QPSK	21.39	PASS
n2	15	10	376000	25@12	DFT_QPSK	22.36	PASS
n2	15	10	376000	1@1	DFT_QPSK	22.21	PASS
n2	15	10	376000	1@50	DFT_QPSK	22.39	PASS
n2	15	10	376000	50@0	DFT_16QAM	20.39	PASS
n2	15	10	376000	25@12	DFT_16QAM	21.29	PASS
n2	15	10	376000	1@1	DFT_16QAM	21.01	PASS
n2	15	10	376000	1@50	DFT_16QAM	21.21	PASS
n2	15	10	376000	50@0	DFT_64QAM	19.86	PASS
n2	15	10	376000	25@12	DFT_64QAM	19.83	PASS
n2	15	10	376000	1@1	DFT_64QAM	19.41	PASS
n2	15	10	376000	1@50	DFT_64QAM	19.59	PASS
n2	15	10	376000	50@0	DFT_256QAM	17.78	PASS
n2	15	10	376000	25@12	DFT_256QAM	17.76	PASS
n2	15	10	376000	1@1	DFT_256QAM	18	PASS
n2	15	10	376000	1@50	DFT_256QAM	18.15	PASS
n2	15	10	376000	52@0	CP_QPSK	19.33	PASS
n2	15	10	376000	26@13	CP_QPSK	20.86	PASS
n2	15	10	376000	1@1	CP_QPSK	20.79	PASS
n2	15	10	376000	1@50	CP_QPSK	20.94	PASS
n2	15	10	381000	50@0	DFT_BPSK	22.14	PASS
n2	15	10	381000	25@12	DFT_BPSK	22.55	PASS
n2	15	10	381000	1@1	DFT_BPSK	22.45	PASS
n2	15	10	381000	1@50	DFT_BPSK	22.51	PASS
n2	15	10	381000	50@0	DFT_QPSK	21.65	PASS
n2	15	10	381000	25@12	DFT_QPSK	22.55	PASS
n2	15	10	381000	1@1	DFT_QPSK	22.42	PASS
n2	15	10	381000	1@50	DFT_QPSK	22.45	PASS
n2	15	10	381000	50@0	DFT_16QAM	20.6	PASS
n2	15	10	381000	25@12	DFT_16QAM	21.48	PASS
n2	15	10	381000	1@1	DFT_16QAM	21.22	PASS
n2	15	10	381000	1@50	DFT_16QAM	21.33	PASS
n2	15	10	381000	50@0	DFT_64QAM	20.06	PASS
n2	15	10	381000	25@12	DFT_64QAM	20.02	PASS
n2	15	10	381000	1@1	DFT_64QAM	19.6	PASS
n2	15	10	381000	1@50	DFT_64QAM	19.66	PASS
n2	15	10	381000	50@0	DFT_256QAM	18.04	PASS
n2	15	10	381000	25@12	DFT_256QAM	17.93	PASS
n2	15	10	381000	1@1	DFT_256QAM	18.21	PASS
n2	15	10	381000	1@50	DFT_256QAM	18.27	PASS
n2	15	10	381000	52@0	CP_QPSK	19.56	PASS
n2	15	10	381000	26@13	CP_QPSK	21.04	PASS



n2	15	10	381000	1@1	CP_QPSK	20.94	PASS
n2	15	10	381000	1@50	CP_QPSK	20.98	PASS
n2	15	15	371500	75@0	DFT_BPSK	21.84	PASS
n2	15	15	371500	36@18	DFT_BPSK	22.37	PASS
n2	15	15	371500	1@1	DFT_BPSK	22.37	PASS
n2	15	15	371500	1@77	DFT_BPSK	22.21	PASS
n2	15	15	371500	75@0	DFT_QPSK	21.38	PASS
n2	15	15	371500	36@18	DFT_QPSK	22.34	PASS
n2	15	15	371500	1@1	DFT_QPSK	22.28	PASS
n2	15	15	371500	1@77	DFT_QPSK	22.24	PASS
n2	15	15	371500	75@0	DFT_16QAM	20.35	PASS
n2	15	15	371500	36@18	DFT_16QAM	21.29	PASS
n2	15	15	371500	1@1	DFT_16QAM	21.15	PASS
n2	15	15	371500	1@77	DFT_16QAM	21.04	PASS
n2	15	15	371500	75@0	DFT_64QAM	19.83	PASS
n2	15	15	371500	36@18	DFT_64QAM	19.84	PASS
n2	15	15	371500	1@1	DFT_64QAM	19.49	PASS
n2	15	15	371500	1@77	DFT_64QAM	19.42	PASS
n2	15	15	371500	75@0	DFT_256QAM	17.79	PASS
n2	15	15	371500	36@18	DFT_256QAM	17.78	PASS
n2	15	15	371500	1@1	DFT_256QAM	18.05	PASS
n2	15	15	371500	1@77	DFT_256QAM	17.95	PASS
n2	15	15	371500	79@0	CP_QPSK	19.38	PASS
n2	15	15	371500	39@19	CP_QPSK	20.94	PASS
n2	15	15	371500	1@1	CP_QPSK	20.85	PASS
n2	15	15	371500	1@77	CP_QPSK	20.75	PASS
n2	15	15	376000	75@0	DFT_BPSK	21.93	PASS
n2	15	15	376000	36@18	DFT_BPSK	22.47	PASS
n2	15	15	376000	1@1	DFT_BPSK	22.18	PASS
n2	15	15	376000	1@77	DFT_BPSK	22.52	PASS
n2	15	15	376000	75@0	DFT_QPSK	21.48	PASS
n2	15	15	376000	36@18	DFT_QPSK	22.44	PASS
n2	15	15	376000	1@1	DFT_QPSK	22.12	PASS
n2	15	15	376000	1@77	DFT_QPSK	22.36	PASS
n2	15	15	376000	75@0	DFT_16QAM	20.46	PASS
n2	15	15	376000	36@18	DFT_16QAM	21.45	PASS
n2	15	15	376000	1@1	DFT_16QAM	21.01	PASS
n2	15	15	376000	1@77	DFT_16QAM	21.24	PASS
n2	15	15	376000	75@0	DFT_64QAM	19.93	PASS
n2	15	15	376000	36@18	DFT_64QAM	19.89	PASS
n2	15	15	376000	1@1	DFT_64QAM	19.34	PASS
n2	15	15	376000	1@77	DFT_64QAM	19.59	PASS
n2	15	15	376000	75@0	DFT_256QAM	17.93	PASS
n2	15	15	376000	36@18	DFT_256QAM	17.83	PASS
n2	15	15	376000	1@1	DFT_256QAM	17.94	PASS
n2	15	15	376000	1@77	DFT_256QAM	18.19	PASS
n2	15	15	376000	79@0	CP_QPSK	19.43	PASS
n2	15	15	376000	39@19	CP_QPSK	20.91	PASS



n2	15	15	376000	1@1	CP_QPSK	20.66	PASS
n2	15	15	376000	1@77	CP_QPSK	20.91	PASS
n2	15	15	380500	75@0	DFT_BPSK	22.1	PASS
n2	15	15	380500	36@18	DFT_BPSK	22.6	PASS
n2	15	15	380500	1@1	DFT_BPSK	22.46	PASS
n2	15	15	380500	1@77	DFT_BPSK	22.56	PASS
n2	15	15	380500	75@0	DFT_QPSK	21.57	PASS
n2	15	15	380500	36@18	DFT_QPSK	22.56	PASS
n2	15	15	380500	1@1	DFT_QPSK	22.36	PASS
n2	15	15	380500	1@77	DFT_QPSK	22.47	PASS
n2	15	15	380500	75@0	DFT_16QAM	20.58	PASS
n2	15	15	380500	36@18	DFT_16QAM	21.57	PASS
n2	15	15	380500	1@1	DFT_16QAM	21.17	PASS
n2	15	15	380500	1@77	DFT_16QAM	21.31	PASS
n2	15	15	380500	75@0	DFT_64QAM	20.07	PASS
n2	15	15	380500	36@18	DFT_64QAM	20	PASS
n2	15	15	380500	1@1	DFT_64QAM	19.59	PASS
n2	15	15	380500	1@77	DFT_64QAM	19.71	PASS
n2	15	15	380500	75@0	DFT_256QAM	18.02	PASS
n2	15	15	380500	36@18	DFT_256QAM	17.97	PASS
n2	15	15	380500	1@1	DFT_256QAM	18.15	PASS
n2	15	15	380500	1@77	DFT_256QAM	18.22	PASS
n2	15	15	380500	79@0	CP_QPSK	19.51	PASS
n2	15	15	380500	39@19	CP_QPSK	21.07	PASS
n2	15	15	380500	1@1	CP_QPSK	20.93	PASS
n2	15	15	380500	1@77	CP_QPSK	21	PASS
n2	15	20	372000	100@0	DFT_BPSK	21.69	PASS
n2	15	20	372000	50@25	DFT_BPSK	22.38	PASS
n2	15	20	372000	1@1	DFT_BPSK	22.38	PASS
n2	15	20	372000	1@104	DFT_BPSK	22.31	PASS
n2	15	20	372000	100@0	DFT_QPSK	21.23	PASS
n2	15	20	372000	50@25	DFT_QPSK	22.35	PASS
n2	15	20	372000	1@1	DFT_QPSK	22.35	PASS
n2	15	20	372000	1@104	DFT_QPSK	22.28	PASS
n2	15	20	372000	100@0	DFT_16QAM	20.19	PASS
n2	15	20	372000	50@25	DFT_16QAM	21.24	PASS
n2	15	20	372000	1@1	DFT_16QAM	21.13	PASS
n2	15	20	372000	1@104	DFT_16QAM	21.09	PASS
n2	15	20	372000	100@0	DFT_64QAM	19.7	PASS
n2	15	20	372000	50@25	DFT_64QAM	19.79	PASS
n2	15	20	372000	1@1	DFT_64QAM	19.55	PASS
n2	15	20	372000	1@104	DFT_64QAM	19.5	PASS
n2	15	20	372000	100@0	DFT_256QAM	17.69	PASS
n2	15	20	372000	50@25	DFT_256QAM	17.7	PASS
n2	15	20	372000	1@1	DFT_256QAM	18.1	PASS
n2	15	20	372000	1@104	DFT_256QAM	18.08	PASS
n2	15	20	372000	106@0	CP_QPSK	19.23	PASS
n2	15	20	372000	53@26	CP_QPSK	20.83	PASS



n2	15	20	372000	1@1	CP_QPSK	20.86	PASS
n2	15	20	372000	1@104	CP_QPSK	20.78	PASS
n2	15	20	376000	100@0	DFT_BPSK	22.04	PASS
n2	15	20	376000	50@25	DFT_BPSK	22.44	PASS
n2	15	20	376000	1@1	DFT_BPSK	22.16	PASS
n2	15	20	376000	1@104	DFT_BPSK	22.54	PASS
n2	15	20	376000	100@0	DFT_QPSK	21.54	PASS
n2	15	20	376000	50@25	DFT_QPSK	22.41	PASS
n2	15	20	376000	1@1	DFT_QPSK	22.12	PASS
n2	15	20	376000	1@104	DFT_QPSK	22.42	PASS
n2	15	20	376000	100@0	DFT_16QAM	20.54	PASS
n2	15	20	376000	50@25	DFT_16QAM	21.47	PASS
n2	15	20	376000	1@1	DFT_16QAM	20.92	PASS
n2	15	20	376000	1@104	DFT_16QAM	21.28	PASS
n2	15	20	376000	100@0	DFT_64QAM	19.98	PASS
n2	15	20	376000	50@25	DFT_64QAM	19.86	PASS
n2	15	20	376000	1@1	DFT_64QAM	19.37	PASS
n2	15	20	376000	1@104	DFT_64QAM	19.66	PASS
n2	15	20	376000	100@0	DFT_256QAM	17.99	PASS
n2	15	20	376000	50@25	DFT_256QAM	17.83	PASS
n2	15	20	376000	1@1	DFT_256QAM	17.95	PASS
n2	15	20	376000	1@104	DFT_256QAM	18.24	PASS
n2	15	20	376000	106@0	CP_QPSK	19.5	PASS
n2	15	20	376000	53@26	CP_QPSK	20.88	PASS
n2	15	20	376000	1@1	CP_QPSK	20.71	PASS
n2	15	20	376000	1@104	CP_QPSK	20.99	PASS
n2	15	20	380000	100@0	DFT_BPSK	21.96	PASS
n2	15	20	380000	50@25	DFT_BPSK	22.51	PASS
n2	15	20	380000	1@1	DFT_BPSK	22.41	PASS
n2	15	20	380000	1@104	DFT_BPSK	22.57	PASS
n2	15	20	380000	100@0	DFT_QPSK	21.48	PASS
n2	15	20	380000	50@25	DFT_QPSK	22.53	PASS
n2	15	20	380000	1@1	DFT_QPSK	22.41	PASS
n2	15	20	380000	1@104	DFT_QPSK	22.54	PASS
n2	15	20	380000	100@0	DFT_16QAM	20.44	PASS
n2	15	20	380000	50@25	DFT_16QAM	21.57	PASS
n2	15	20	380000	1@1	DFT_16QAM	21.19	PASS
n2	15	20	380000	1@104	DFT_16QAM	21.31	PASS
n2	15	20	380000	100@0	DFT_64QAM	19.9	PASS
n2	15	20	380000	50@25	DFT_64QAM	20.01	PASS
n2	15	20	380000	1@1	DFT_64QAM	19.59	PASS
n2	15	20	380000	1@104	DFT_64QAM	19.67	PASS
n2	15	20	380000	100@0	DFT_256QAM	17.87	PASS
n2	15	20	380000	50@25	DFT_256QAM	17.96	PASS
n2	15	20	380000	1@1	DFT_256QAM	18.19	PASS
n2	15	20	380000	1@104	DFT_256QAM	18.31	PASS
n2	15	20	380000	106@0	CP_QPSK	19.35	PASS
n2	15	20	380000	53@26	CP_QPSK	21.02	PASS



n2	15	20	380000	1@1	CP_QPSK	20.9	PASS
n2	15	20	380000	1@104	CP_QPSK	21.05	PASS



Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Verdict
n5	15	5	165300	25@0	DFT_BPSK	21.95	PASS
n5	15	5	165300	12@6	DFT_BPSK	22.51	PASS
n5	15	5	165300	1@1	DFT_BPSK	22.38	PASS
n5	15	5	165300	1@23	DFT_BPSK	22.39	PASS
n5	15	5	165300	25@0	DFT_QPSK	21.49	PASS
n5	15	5	165300	12@6	DFT_QPSK	22.54	PASS
n5	15	5	165300	1@1	DFT_QPSK	22.49	PASS
n5	15	5	165300	1@23	DFT_QPSK	22.41	PASS
n5	15	5	165300	25@0	DFT_16QAM	20.46	PASS
n5	15	5	165300	12@6	DFT_16QAM	21.63	PASS
n5	15	5	165300	1@1	DFT_16QAM	21.26	PASS
n5	15	5	165300	1@23	DFT_16QAM	21.28	PASS
n5	15	5	165300	25@0	DFT_64QAM	20	PASS
n5	15	5	165300	12@6	DFT_64QAM	20.05	PASS
n5	15	5	165300	1@1	DFT_64QAM	19.66	PASS
n5	15	5	165300	1@23	DFT_64QAM	19.69	PASS
n5	15	5	165300	25@0	DFT_256QAM	17.97	PASS
n5	15	5	165300	12@6	DFT_256QAM	18.1	PASS
n5	15	5	165300	1@1	DFT_256QAM	18.21	PASS
n5	15	5	165300	1@23	DFT_256QAM	18.2	PASS
n5	15	5	165300	25@0	CP_QPSK	19.5	PASS
n5	15	5	165300	13@6	CP_QPSK	21.05	PASS
n5	15	5	165300	1@1	CP_QPSK	21	PASS
n5	15	5	165300	1@23	CP_QPSK	21.02	PASS
n5	15	5	167300	25@0	DFT_BPSK	22.13	PASS
n5	15	5	167300	12@6	DFT_BPSK	22.72	PASS
n5	15	5	167300	1@1	DFT_BPSK	22.54	PASS
n5	15	5	167300	1@23	DFT_BPSK	22.62	PASS
n5	15	5	167300	25@0	DFT_QPSK	21.68	PASS
n5	15	5	167300	12@6	DFT_QPSK	22.72	PASS
n5	15	5	167300	1@1	DFT_QPSK	22.57	PASS
n5	15	5	167300	1@23	DFT_QPSK	22.66	PASS
n5	15	5	167300	25@0	DFT_16QAM	20.64	PASS
n5	15	5	167300	12@6	DFT_16QAM	21.78	PASS
n5	15	5	167300	1@1	DFT_16QAM	21.38	PASS
n5	15	5	167300	1@23	DFT_16QAM	21.46	PASS
n5	15	5	167300	25@0	DFT_64QAM	20.13	PASS
n5	15	5	167300	12@6	DFT_64QAM	20.13	PASS
n5	15	5	167300	1@1	DFT_64QAM	19.83	PASS
n5	15	5	167300	1@23	DFT_64QAM	19.95	PASS
n5	15	5	167300	25@0	DFT_256QAM	18.1	PASS
n5	15	5	167300	12@6	DFT_256QAM	18.23	PASS
n5	15	5	167300	1@1	DFT_256QAM	18.34	PASS
n5	15	5	167300	1@23	DFT_256QAM	18.43	PASS
n5	15	5	167300	25@0	CP_QPSK	19.64	PASS
n5	15	5	167300	13@6	CP_QPSK	21.19	PASS



n5	15	5	167300	1@1	CP_QPSK	21.09	PASS
n5	15	5	167300	1@23	CP_QPSK	21.18	PASS
n5	15	5	169300	25@0	DFT_BPSK	22.11	PASS
n5	15	5	169300	12@6	DFT_BPSK	22.64	PASS
n5	15	5	169300	1@1	DFT_BPSK	22.63	PASS
n5	15	5	169300	1@23	DFT_BPSK	22.45	PASS
n5	15	5	169300	25@0	DFT_QPSK	21.64	PASS
n5	15	5	169300	12@6	DFT_QPSK	22.62	PASS
n5	15	5	169300	1@1	DFT_QPSK	22.7	PASS
n5	15	5	169300	1@23	DFT_QPSK	22.55	PASS
n5	15	5	169300	25@0	DFT_16QAM	20.64	PASS
n5	15	5	169300	12@6	DFT_16QAM	21.71	PASS
n5	15	5	169300	1@1	DFT_16QAM	21.44	PASS
n5	15	5	169300	1@23	DFT_16QAM	21.34	PASS
n5	15	5	169300	25@0	DFT_64QAM	20.14	PASS
n5	15	5	169300	12@6	DFT_64QAM	20.14	PASS
n5	15	5	169300	1@1	DFT_64QAM	19.98	PASS
n5	15	5	169300	1@23	DFT_64QAM	19.85	PASS
n5	15	5	169300	25@0	DFT_256QAM	18.18	PASS
n5	15	5	169300	12@6	DFT_256QAM	18.16	PASS
n5	15	5	169300	1@1	DFT_256QAM	18.41	PASS
n5	15	5	169300	1@23	DFT_256QAM	18.27	PASS
n5	15	5	169300	25@0	CP_QPSK	19.66	PASS
n5	15	5	169300	13@6	CP_QPSK	21.16	PASS
n5	15	5	169300	1@1	CP_QPSK	21.22	PASS
n5	15	5	169300	1@23	CP_QPSK	21.08	PASS
n5	15	10	165800	50@0	DFT_BPSK	22.08	PASS
n5	15	10	165800	25@12	DFT_BPSK	22.51	PASS
n5	15	10	165800	1@1	DFT_BPSK	22.46	PASS
n5	15	10	165800	1@50	DFT_BPSK	22.59	PASS
n5	15	10	165800	50@0	DFT_QPSK	21.64	PASS
n5	15	10	165800	25@12	DFT_QPSK	22.62	PASS
n5	15	10	165800	1@1	DFT_QPSK	22.49	PASS
n5	15	10	165800	1@50	DFT_QPSK	22.63	PASS
n5	15	10	165800	50@0	DFT_16QAM	20.7	PASS
n5	15	10	165800	25@12	DFT_16QAM	21.65	PASS
n5	15	10	165800	1@1	DFT_16QAM	21.31	PASS
n5	15	10	165800	1@50	DFT_16QAM	21.47	PASS
n5	15	10	165800	50@0	DFT_64QAM	20.1	PASS
n5	15	10	165800	25@12	DFT_64QAM	20.12	PASS
n5	15	10	165800	1@1	DFT_64QAM	19.78	PASS
n5	15	10	165800	1@50	DFT_64QAM	19.94	PASS
n5	15	10	165800	50@0	DFT_256QAM	18.11	PASS
n5	15	10	165800	25@12	DFT_256QAM	18.14	PASS
n5	15	10	165800	1@1	DFT_256QAM	18.28	PASS
n5	15	10	165800	1@50	DFT_256QAM	18.41	PASS
n5	15	10	165800	52@0	CP_QPSK	19.64	PASS
n5	15	10	165800	26@13	CP_QPSK	21.13	PASS



n5	15	10	165800	1@1	CP_QPSK	21	PASS
n5	15	10	165800	1@50	CP_QPSK	21.14	PASS
n5	15	10	167300	50@0	DFT_BPSK	22.23	PASS
n5	15	10	167300	25@12	DFT_BPSK	22.68	PASS
n5	15	10	167300	1@1	DFT_BPSK	22.53	PASS
n5	15	10	167300	1@50	DFT_BPSK	22.7	PASS
n5	15	10	167300	50@0	DFT_QPSK	21.72	PASS
n5	15	10	167300	25@12	DFT_QPSK	22.73	PASS
n5	15	10	167300	1@1	DFT_QPSK	22.58	PASS
n5	15	10	167300	1@50	DFT_QPSK	22.75	PASS
n5	15	10	167300	50@0	DFT_16QAM	20.65	PASS
n5	15	10	167300	25@12	DFT_16QAM	21.64	PASS
n5	15	10	167300	1@1	DFT_16QAM	21.38	PASS
n5	15	10	167300	1@50	DFT_16QAM	21.54	PASS
n5	15	10	167300	50@0	DFT_64QAM	20.25	PASS
n5	15	10	167300	25@12	DFT_64QAM	20.18	PASS
n5	15	10	167300	1@1	DFT_64QAM	19.79	PASS
n5	15	10	167300	1@50	DFT_64QAM	19.95	PASS
n5	15	10	167300	50@0	DFT_256QAM	18.16	PASS
n5	15	10	167300	25@12	DFT_256QAM	18.12	PASS
n5	15	10	167300	1@1	DFT_256QAM	18.34	PASS
n5	15	10	167300	1@50	DFT_256QAM	18.46	PASS
n5	15	10	167300	52@0	CP_QPSK	19.76	PASS
n5	15	10	167300	26@13	CP_QPSK	21.21	PASS
n5	15	10	167300	1@1	CP_QPSK	21.03	PASS
n5	15	10	167300	1@50	CP_QPSK	21.26	PASS
n5	15	10	168800	50@0	DFT_BPSK	22.14	PASS
n5	15	10	168800	25@12	DFT_BPSK	22.73	PASS
n5	15	10	168800	1@1	DFT_BPSK	22.7	PASS
n5	15	10	168800	1@50	DFT_BPSK	22.53	PASS
n5	15	10	168800	50@0	DFT_QPSK	21.71	PASS
n5	15	10	168800	25@12	DFT_QPSK	22.79	PASS
n5	15	10	168800	1@1	DFT_QPSK	22.74	PASS
n5	15	10	168800	1@50	DFT_QPSK	22.59	PASS
n5	15	10	168800	50@0	DFT_16QAM	20.75	PASS
n5	15	10	168800	25@12	DFT_16QAM	21.75	PASS
n5	15	10	168800	1@1	DFT_16QAM	21.55	PASS
n5	15	10	168800	1@50	DFT_16QAM	21.37	PASS
n5	15	10	168800	50@0	DFT_64QAM	20.15	PASS
n5	15	10	168800	25@12	DFT_64QAM	20.26	PASS
n5	15	10	168800	1@1	DFT_64QAM	20.01	PASS
n5	15	10	168800	1@50	DFT_64QAM	19.84	PASS
n5	15	10	168800	50@0	DFT_256QAM	18.16	PASS
n5	15	10	168800	25@12	DFT_256QAM	18.21	PASS
n5	15	10	168800	1@1	DFT_256QAM	18.46	PASS
n5	15	10	168800	1@50	DFT_256QAM	18.33	PASS
n5	15	10	168800	52@0	CP_QPSK	19.67	PASS
n5	15	10	168800	26@13	CP_QPSK	21.32	PASS



n5	15	10	168800	1@1	CP_QPSK	21.23	PASS
n5	15	10	168800	1@50	CP_QPSK	21.08	PASS
n5	15	15	166300	75@0	DFT_BPSK	22.3	PASS
n5	15	15	166300	36@18	DFT_BPSK	22.67	PASS
n5	15	15	166300	1@1	DFT_BPSK	22.51	PASS
n5	15	15	166300	1@77	DFT_BPSK	22.75	PASS
n5	15	15	166300	75@0	DFT_QPSK	21.81	PASS
n5	15	15	166300	36@18	DFT_QPSK	22.69	PASS
n5	15	15	166300	1@1	DFT_QPSK	22.54	PASS
n5	15	15	166300	1@77	DFT_QPSK	22.81	PASS
n5	15	15	166300	75@0	DFT_16QAM	20.85	PASS
n5	15	15	166300	36@18	DFT_16QAM	21.72	PASS
n5	15	15	166300	1@1	DFT_16QAM	21.37	PASS
n5	15	15	166300	1@77	DFT_16QAM	21.61	PASS
n5	15	15	166300	75@0	DFT_64QAM	20.37	PASS
n5	15	15	166300	36@18	DFT_64QAM	20.19	PASS
n5	15	15	166300	1@1	DFT_64QAM	19.86	PASS
n5	15	15	166300	1@77	DFT_64QAM	20.08	PASS
n5	15	15	166300	75@0	DFT_256QAM	18.29	PASS
n5	15	15	166300	36@18	DFT_256QAM	18.12	PASS
n5	15	15	166300	1@1	DFT_256QAM	18.31	PASS
n5	15	15	166300	1@77	DFT_256QAM	18.52	PASS
n5	15	15	166300	79@0	CP_QPSK	19.81	PASS
n5	15	15	166300	39@19	CP_QPSK	21.23	PASS
n5	15	15	166300	1@1	CP_QPSK	21.04	PASS
n5	15	15	166300	1@77	CP_QPSK	21.3	PASS
n5	15	15	167300	75@0	DFT_BPSK	22.25	PASS
n5	15	15	167300	36@18	DFT_BPSK	22.75	PASS
n5	15	15	167300	1@1	DFT_BPSK	22.55	PASS
n5	15	15	167300	1@77	DFT_BPSK	22.63	PASS
n5	15	15	167300	75@0	DFT_QPSK	21.78	PASS
n5	15	15	167300	36@18	DFT_QPSK	22.75	PASS
n5	15	15	167300	1@1	DFT_QPSK	22.56	PASS
n5	15	15	167300	1@77	DFT_QPSK	22.76	PASS
n5	15	15	167300	75@0	DFT_16QAM	20.76	PASS
n5	15	15	167300	36@18	DFT_16QAM	21.68	PASS
n5	15	15	167300	1@1	DFT_16QAM	21.35	PASS
n5	15	15	167300	1@77	DFT_16QAM	21.49	PASS
n5	15	15	167300	75@0	DFT_64QAM	20.26	PASS
n5	15	15	167300	36@18	DFT_64QAM	20.19	PASS
n5	15	15	167300	1@1	DFT_64QAM	19.88	PASS
n5	15	15	167300	1@77	DFT_64QAM	19.97	PASS
n5	15	15	167300	75@0	DFT_256QAM	18.26	PASS
n5	15	15	167300	36@18	DFT_256QAM	18.14	PASS
n5	15	15	167300	1@1	DFT_256QAM	18.34	PASS
n5	15	15	167300	1@77	DFT_256QAM	18.46	PASS
n5	15	15	167300	79@0	CP_QPSK	19.79	PASS
n5	15	15	167300	39@19	CP_QPSK	21.33	PASS



n5	15	15	167300	1@1	CP_QPSK	21.07	PASS
n5	15	15	167300	1@77	CP_QPSK	21.18	PASS
n5	15	15	168300	75@0	DFT_BPSK	22.15	PASS
n5	15	15	168300	36@18	DFT_BPSK	22.78	PASS
n5	15	15	168300	1@1	DFT_BPSK	22.6	PASS
n5	15	15	168300	1@77	DFT_BPSK	22.55	PASS
n5	15	15	168300	75@0	DFT_QPSK	21.59	PASS
n5	15	15	168300	36@18	DFT_QPSK	22.78	PASS
n5	15	15	168300	1@1	DFT_QPSK	22.63	PASS
n5	15	15	168300	1@77	DFT_QPSK	22.64	PASS
n5	15	15	168300	75@0	DFT_16QAM	20.65	PASS
n5	15	15	168300	36@18	DFT_16QAM	21.74	PASS
n5	15	15	168300	1@1	DFT_16QAM	21.44	PASS
n5	15	15	168300	1@77	DFT_16QAM	21.39	PASS
n5	15	15	168300	75@0	DFT_64QAM	20.16	PASS
n5	15	15	168300	36@18	DFT_64QAM	20.24	PASS
n5	15	15	168300	1@1	DFT_64QAM	19.93	PASS
n5	15	15	168300	1@77	DFT_64QAM	19.92	PASS
n5	15	15	168300	75@0	DFT_256QAM	18.14	PASS
n5	15	15	168300	36@18	DFT_256QAM	18.21	PASS
n5	15	15	168300	1@1	DFT_256QAM	18.41	PASS
n5	15	15	168300	1@77	DFT_256QAM	18.38	PASS
n5	15	15	168300	79@0	CP_QPSK	19.59	PASS
n5	15	15	168300	39@19	CP_QPSK	21.36	PASS
n5	15	15	168300	1@1	CP_QPSK	21.18	PASS
n5	15	15	168300	1@77	CP_QPSK	21.19	PASS
n5	15	20	166800	100@0	DFT_BPSK	22.46	PASS
n5	15	20	166800	50@25	DFT_BPSK	22.73	PASS
n5	15	20	166800	1@1	DFT_BPSK	22.5	PASS
n5	15	20	166800	1@104	DFT_BPSK	22.75	PASS
n5	15	20	166800	100@0	DFT_QPSK	21.94	PASS
n5	15	20	166800	50@25	DFT_QPSK	22.78	PASS
n5	15	20	166800	1@1	DFT_QPSK	22.58	PASS
n5	15	20	166800	1@104	DFT_QPSK	22.75	PASS
n5	15	20	166800	100@0	DFT_16QAM	21.05	PASS
n5	15	20	166800	50@25	DFT_16QAM	21.76	PASS
n5	15	20	166800	1@1	DFT_16QAM	21.37	PASS
n5	15	20	166800	1@104	DFT_16QAM	21.6	PASS
n5	15	20	166800	100@0	DFT_64QAM	20.44	PASS
n5	15	20	166800	50@25	DFT_64QAM	20.27	PASS
n5	15	20	166800	1@1	DFT_64QAM	19.82	PASS
n5	15	20	166800	1@104	DFT_64QAM	20.11	PASS
n5	15	20	166800	100@0	DFT_256QAM	18.5	PASS
n5	15	20	166800	50@25	DFT_256QAM	18.19	PASS
n5	15	20	166800	1@1	DFT_256QAM	18.37	PASS
n5	15	20	166800	1@104	DFT_256QAM	18.57	PASS
n5	15	20	166800	106@0	CP_QPSK	20.02	PASS
n5	15	20	166800	53@26	CP_QPSK	21.23	PASS



n5	15	20	166800	1@1	CP_QPSK	21.09	PASS
n5	15	20	166800	1@104	CP_QPSK	21.28	PASS
n5	15	20	167300	100@0	DFT_BPSK	22.34	PASS
n5	15	20	167300	50@25	DFT_BPSK	22.78	PASS
n5	15	20	167300	1@1	DFT_BPSK	22.52	PASS
n5	15	20	167300	1@104	DFT_BPSK	22.77	PASS
n5	15	20	167300	100@0	DFT_QPSK	21.85	PASS
n5	15	20	167300	50@25	DFT_QPSK	22.78	PASS
n5	15	20	167300	1@1	DFT_QPSK	22.51	PASS
n5	15	20	167300	1@104	DFT_QPSK	22.75	PASS
n5	15	20	167300	100@0	DFT_16QAM	20.85	PASS
n5	15	20	167300	50@25	DFT_16QAM	21.69	PASS
n5	15	20	167300	1@1	DFT_16QAM	21.38	PASS
n5	15	20	167300	1@104	DFT_16QAM	21.53	PASS
n5	15	20	167300	100@0	DFT_64QAM	20.35	PASS
n5	15	20	167300	50@25	DFT_64QAM	20.3	PASS
n5	15	20	167300	1@1	DFT_64QAM	19.88	PASS
n5	15	20	167300	1@104	DFT_64QAM	20.03	PASS
n5	15	20	167300	100@0	DFT_256QAM	18.29	PASS
n5	15	20	167300	50@25	DFT_256QAM	18.21	PASS
n5	15	20	167300	1@1	DFT_256QAM	18.28	PASS
n5	15	20	167300	1@104	DFT_256QAM	18.5	PASS
n5	15	20	167300	106@0	CP_QPSK	19.84	PASS
n5	15	20	167300	53@26	CP_QPSK	21.25	PASS
n5	15	20	167300	1@1	CP_QPSK	21.05	PASS
n5	15	20	167300	1@104	CP_QPSK	21.26	PASS
n5	15	20	167800	100@0	DFT_BPSK	22.08	PASS
n5	15	20	167800	50@25	DFT_BPSK	22.74	PASS
n5	15	20	167800	1@1	DFT_BPSK	22.54	PASS
n5	15	20	167800	1@104	DFT_BPSK	22.62	PASS
n5	15	20	167800	100@0	DFT_QPSK	21.61	PASS
n5	15	20	167800	50@25	DFT_QPSK	22.82	PASS
n5	15	20	167800	1@1	DFT_QPSK	22.57	PASS
n5	15	20	167800	1@104	DFT_QPSK	22.65	PASS
n5	15	20	167800	100@0	DFT_16QAM	20.58	PASS
n5	15	20	167800	50@25	DFT_16QAM	21.77	PASS
n5	15	20	167800	1@1	DFT_16QAM	21.38	PASS
n5	15	20	167800	1@104	DFT_16QAM	21.48	PASS
n5	15	20	167800	100@0	DFT_64QAM	20.06	PASS
n5	15	20	167800	50@25	DFT_64QAM	20.25	PASS
n5	15	20	167800	1@1	DFT_64QAM	19.88	PASS
n5	15	20	167800	1@104	DFT_64QAM	19.97	PASS
n5	15	20	167800	100@0	DFT_256QAM	18.06	PASS
n5	15	20	167800	50@25	DFT_256QAM	18.19	PASS
n5	15	20	167800	1@1	DFT_256QAM	18.35	PASS
n5	15	20	167800	1@104	DFT_256QAM	18.41	PASS
n5	15	20	167800	106@0	CP_QPSK	19.55	PASS
n5	15	20	167800	53@26	CP_QPSK	21.27	PASS



n5	15	20	167800	1@1	CP_QPSK	21.08	PASS
n5	15	20	167800	1@104	CP_QPSK	21.21	PASS



Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Verdict
n7	15	5	500500	25@0	DFT_BPSK	21.59	PASS
n7	15	5	500500	12@6	DFT_BPSK	22.09	PASS
n7	15	5	500500	1@1	DFT_BPSK	22.02	PASS
n7	15	5	500500	1@23	DFT_BPSK	21.97	PASS
n7	15	5	500500	25@0	DFT_QPSK	21.07	PASS
n7	15	5	500500	12@6	DFT_QPSK	22.13	PASS
n7	15	5	500500	1@1	DFT_QPSK	21.99	PASS
n7	15	5	500500	1@23	DFT_QPSK	21.93	PASS
n7	15	5	500500	25@0	DFT_16QAM	20.08	PASS
n7	15	5	500500	12@6	DFT_16QAM	21.18	PASS
n7	15	5	500500	1@1	DFT_16QAM	21.17	PASS
n7	15	5	500500	1@23	DFT_16QAM	21.12	PASS
n7	15	5	500500	25@0	DFT_64QAM	19.56	PASS
n7	15	5	500500	12@6	DFT_64QAM	19.63	PASS
n7	15	5	500500	1@1	DFT_64QAM	19.55	PASS
n7	15	5	500500	1@23	DFT_64QAM	19.63	PASS
n7	15	5	500500	25@0	DFT_256QAM	17.49	PASS
n7	15	5	500500	12@6	DFT_256QAM	17.43	PASS
n7	15	5	500500	1@1	DFT_256QAM	17.27	PASS
n7	15	5	500500	1@23	DFT_256QAM	17.33	PASS
n7	15	5	500500	25@0	CP_QPSK	19.07	PASS
n7	15	5	500500	13@6	CP_QPSK	20.58	PASS
n7	15	5	500500	1@1	CP_QPSK	20.66	PASS
n7	15	5	500500	1@23	CP_QPSK	20.6	PASS
n7	15	5	507000	25@0	DFT_BPSK	21.43	PASS
n7	15	5	507000	12@6	DFT_BPSK	22.02	PASS
n7	15	5	507000	1@1	DFT_BPSK	21.98	PASS
n7	15	5	507000	1@23	DFT_BPSK	21.96	PASS
n7	15	5	507000	25@0	DFT_QPSK	21.03	PASS
n7	15	5	507000	12@6	DFT_QPSK	22.04	PASS
n7	15	5	507000	1@1	DFT_QPSK	21.94	PASS
n7	15	5	507000	1@23	DFT_QPSK	21.92	PASS
n7	15	5	507000	25@0	DFT_16QAM	19.97	PASS
n7	15	5	507000	12@6	DFT_16QAM	21.08	PASS
n7	15	5	507000	1@1	DFT_16QAM	21.02	PASS
n7	15	5	507000	1@23	DFT_16QAM	20.98	PASS
n7	15	5	507000	25@0	DFT_64QAM	19.43	PASS
n7	15	5	507000	12@6	DFT_64QAM	19.55	PASS
n7	15	5	507000	1@1	DFT_64QAM	19.45	PASS
n7	15	5	507000	1@23	DFT_64QAM	19.53	PASS
n7	15	5	507000	25@0	DFT_256QAM	17.37	PASS
n7	15	5	507000	12@6	DFT_256QAM	17.33	PASS
n7	15	5	507000	1@1	DFT_256QAM	17.22	PASS
n7	15	5	507000	1@23	DFT_256QAM	17.18	PASS
n7	15	5	507000	25@0	CP_QPSK	18.94	PASS
n7	15	5	507000	13@6	CP_QPSK	20.56	PASS



n7	15	5	507000	1@1	CP_QPSK	20.4	PASS
n7	15	5	507000	1@23	CP_QPSK	20.44	PASS
n7	15	5	513500	25@0	DFT_BPSK	21.58	PASS
n7	15	5	513500	12@6	DFT_BPSK	22.08	PASS
n7	15	5	513500	1@1	DFT_BPSK	21.99	PASS
n7	15	5	513500	1@23	DFT_BPSK	21.97	PASS
n7	15	5	513500	25@0	DFT_QPSK	21.06	PASS
n7	15	5	513500	12@6	DFT_QPSK	22.1	PASS
n7	15	5	513500	1@1	DFT_QPSK	21.95	PASS
n7	15	5	513500	1@23	DFT_QPSK	22	PASS
n7	15	5	513500	25@0	DFT_16QAM	20.01	PASS
n7	15	5	513500	12@6	DFT_16QAM	21.14	PASS
n7	15	5	513500	1@1	DFT_16QAM	21.1	PASS
n7	15	5	513500	1@23	DFT_16QAM	21.1	PASS
n7	15	5	513500	25@0	DFT_64QAM	19.51	PASS
n7	15	5	513500	12@6	DFT_64QAM	19.6	PASS
n7	15	5	513500	1@1	DFT_64QAM	19.57	PASS
n7	15	5	513500	1@23	DFT_64QAM	19.59	PASS
n7	15	5	513500	25@0	DFT_256QAM	17.45	PASS
n7	15	5	513500	12@6	DFT_256QAM	17.36	PASS
n7	15	5	513500	1@1	DFT_256QAM	17.27	PASS
n7	15	5	513500	1@23	DFT_256QAM	17.32	PASS
n7	15	5	513500	25@0	CP_QPSK	19.05	PASS
n7	15	5	513500	13@6	CP_QPSK	20.58	PASS
n7	15	5	513500	1@1	CP_QPSK	20.6	PASS
n7	15	5	513500	1@23	CP_QPSK	20.6	PASS
n7	15	10	501000	50@0	DFT_BPSK	21.51	PASS
n7	15	10	501000	25@12	DFT_BPSK	22.02	PASS
n7	15	10	501000	1@1	DFT_BPSK	21.94	PASS
n7	15	10	501000	1@50	DFT_BPSK	21.93	PASS
n7	15	10	501000	50@0	DFT_QPSK	21.02	PASS
n7	15	10	501000	25@12	DFT_QPSK	22.08	PASS
n7	15	10	501000	1@1	DFT_QPSK	21.96	PASS
n7	15	10	501000	1@50	DFT_QPSK	21.93	PASS
n7	15	10	501000	50@0	DFT_16QAM	20.05	PASS
n7	15	10	501000	25@12	DFT_16QAM	21.05	PASS
n7	15	10	501000	1@1	DFT_16QAM	21.11	PASS
n7	15	10	501000	1@50	DFT_16QAM	21.15	PASS
n7	15	10	501000	50@0	DFT_64QAM	19.55	PASS
n7	15	10	501000	25@12	DFT_64QAM	19.5	PASS
n7	15	10	501000	1@1	DFT_64QAM	19.54	PASS
n7	15	10	501000	1@50	DFT_64QAM	19.48	PASS
n7	15	10	501000	50@0	DFT_256QAM	17.49	PASS
n7	15	10	501000	25@12	DFT_256QAM	17.39	PASS
n7	15	10	501000	1@1	DFT_256QAM	17.28	PASS
n7	15	10	501000	1@50	DFT_256QAM	17.26	PASS
n7	15	10	501000	52@0	CP_QPSK	19.02	PASS
n7	15	10	501000	26@13	CP_QPSK	20.49	PASS



n7	15	10	501000	1@1	CP_QPSK	20.62	PASS
n7	15	10	501000	1@50	CP_QPSK	20.57	PASS
n7	15	10	507000	50@0	DFT_BPSK	21.48	PASS
n7	15	10	507000	25@12	DFT_BPSK	22.05	PASS
n7	15	10	507000	1@1	DFT_BPSK	21.94	PASS
n7	15	10	507000	1@50	DFT_BPSK	21.96	PASS
n7	15	10	507000	50@0	DFT_QPSK	20.97	PASS
n7	15	10	507000	25@12	DFT_QPSK	22.05	PASS
n7	15	10	507000	1@1	DFT_QPSK	21.93	PASS
n7	15	10	507000	1@50	DFT_QPSK	21.94	PASS
n7	15	10	507000	50@0	DFT_16QAM	20.01	PASS
n7	15	10	507000	25@12	DFT_16QAM	21.01	PASS
n7	15	10	507000	1@1	DFT_16QAM	21.07	PASS
n7	15	10	507000	1@50	DFT_16QAM	21.1	PASS
n7	15	10	507000	50@0	DFT_64QAM	19.51	PASS
n7	15	10	507000	25@12	DFT_64QAM	19.49	PASS
n7	15	10	507000	1@1	DFT_64QAM	19.52	PASS
n7	15	10	507000	1@50	DFT_64QAM	19.49	PASS
n7	15	10	507000	50@0	DFT_256QAM	17.47	PASS
n7	15	10	507000	25@12	DFT_256QAM	17.43	PASS
n7	15	10	507000	1@1	DFT_256QAM	17.29	PASS
n7	15	10	507000	1@50	DFT_256QAM	17.22	PASS
n7	15	10	507000	52@0	CP_QPSK	19.02	PASS
n7	15	10	507000	26@13	CP_QPSK	20.52	PASS
n7	15	10	507000	1@1	CP_QPSK	20.53	PASS
n7	15	10	507000	1@50	CP_QPSK	20.53	PASS
n7	15	10	513000	50@0	DFT_BPSK	21.58	PASS
n7	15	10	513000	25@12	DFT_BPSK	22.11	PASS
n7	15	10	513000	1@1	DFT_BPSK	21.98	PASS
n7	15	10	513000	1@50	DFT_BPSK	22	PASS
n7	15	10	513000	50@0	DFT_QPSK	21.07	PASS
n7	15	10	513000	25@12	DFT_QPSK	22.09	PASS
n7	15	10	513000	1@1	DFT_QPSK	22	PASS
n7	15	10	513000	1@50	DFT_QPSK	21.98	PASS
n7	15	10	513000	50@0	DFT_16QAM	20.07	PASS
n7	15	10	513000	25@12	DFT_16QAM	21.09	PASS
n7	15	10	513000	1@1	DFT_16QAM	21.13	PASS
n7	15	10	513000	1@50	DFT_16QAM	21.1	PASS
n7	15	10	513000	50@0	DFT_64QAM	19.58	PASS
n7	15	10	513000	25@12	DFT_64QAM	19.54	PASS
n7	15	10	513000	1@1	DFT_64QAM	19.57	PASS
n7	15	10	513000	1@50	DFT_64QAM	19.6	PASS
n7	15	10	513000	50@0	DFT_256QAM	17.46	PASS
n7	15	10	513000	25@12	DFT_256QAM	17.48	PASS
n7	15	10	513000	1@1	DFT_256QAM	17.31	PASS
n7	15	10	513000	1@50	DFT_256QAM	17.34	PASS
n7	15	10	513000	52@0	CP_QPSK	19.05	PASS
n7	15	10	513000	26@13	CP_QPSK	20.54	PASS



n7	15	10	513000	1@1	CP_QPSK	20.62	PASS
n7	15	10	513000	1@50	CP_QPSK	20.63	PASS
n7	15	15	501500	75@0	DFT_BPSK	21.53	PASS
n7	15	15	501500	36@18	DFT_BPSK	22.04	PASS
n7	15	15	501500	1@1	DFT_BPSK	21.95	PASS
n7	15	15	501500	1@77	DFT_BPSK	21.97	PASS
n7	15	15	501500	75@0	DFT_QPSK	20.99	PASS
n7	15	15	501500	36@18	DFT_QPSK	22.09	PASS
n7	15	15	501500	1@1	DFT_QPSK	22.01	PASS
n7	15	15	501500	1@77	DFT_QPSK	21.95	PASS
n7	15	15	501500	75@0	DFT_16QAM	20.05	PASS
n7	15	15	501500	36@18	DFT_16QAM	21.1	PASS
n7	15	15	501500	1@1	DFT_16QAM	21.18	PASS
n7	15	15	501500	1@77	DFT_16QAM	21.05	PASS
n7	15	15	501500	75@0	DFT_64QAM	19.55	PASS
n7	15	15	501500	36@18	DFT_64QAM	19.57	PASS
n7	15	15	501500	1@1	DFT_64QAM	19.6	PASS
n7	15	15	501500	1@77	DFT_64QAM	19.53	PASS
n7	15	15	501500	75@0	DFT_256QAM	17.44	PASS
n7	15	15	501500	36@18	DFT_256QAM	17.46	PASS
n7	15	15	501500	1@1	DFT_256QAM	17.35	PASS
n7	15	15	501500	1@77	DFT_256QAM	17.27	PASS
n7	15	15	501500	79@0	CP_QPSK	19.03	PASS
n7	15	15	501500	39@19	CP_QPSK	20.58	PASS
n7	15	15	501500	1@1	CP_QPSK	20.61	PASS
n7	15	15	501500	1@77	CP_QPSK	20.56	PASS
n7	15	15	507000	75@0	DFT_BPSK	21.52	PASS
n7	15	15	507000	36@18	DFT_BPSK	22.07	PASS
n7	15	15	507000	1@1	DFT_BPSK	22.01	PASS
n7	15	15	507000	1@77	DFT_BPSK	21.91	PASS
n7	15	15	507000	75@0	DFT_QPSK	21.02	PASS
n7	15	15	507000	36@18	DFT_QPSK	22.06	PASS
n7	15	15	507000	1@1	DFT_QPSK	21.94	PASS
n7	15	15	507000	1@77	DFT_QPSK	21.93	PASS
n7	15	15	507000	75@0	DFT_16QAM	19.98	PASS
n7	15	15	507000	36@18	DFT_16QAM	21.05	PASS
n7	15	15	507000	1@1	DFT_16QAM	21.14	PASS
n7	15	15	507000	1@77	DFT_16QAM	21.08	PASS
n7	15	15	507000	75@0	DFT_64QAM	19.51	PASS
n7	15	15	507000	36@18	DFT_64QAM	19.56	PASS
n7	15	15	507000	1@1	DFT_64QAM	19.56	PASS
n7	15	15	507000	1@77	DFT_64QAM	19.5	PASS
n7	15	15	507000	75@0	DFT_256QAM	17.43	PASS
n7	15	15	507000	36@18	DFT_256QAM	17.46	PASS
n7	15	15	507000	1@1	DFT_256QAM	17.23	PASS
n7	15	15	507000	1@77	DFT_256QAM	17.28	PASS
n7	15	15	507000	79@0	CP_QPSK	19.08	PASS
n7	15	15	507000	39@19	CP_QPSK	20.57	PASS