



SAR TEST REPORT

Product Name: Multifunctional Tablet

Model Name: P100

FCC ID: 2AC6AP100

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Date of Issue Jun. 10, 2025

Max. SAR (1g) Body: 1.123 W/kg

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Revision History

Rev.	Issue Date	Contents
00	Jun. 10, 2025	Initial Issue



TEST REPORT CERTIFICATION

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Product Name Multifunctional Tablet

Trademark CHAINWAY

Model Name P100

Sample number LGT2502026-5

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

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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	Multifunctional Tablet
Trademark	CHAINWAY
Model Name	P100
Series Model	N/A
Model Difference	N/A
Device Category	Portable
Product stage	Production unit
RF Exposure Environment	General Population / Uncontrolled
Hardware Version	P100_Hardware_version
Software Version	P100_Software_version
Battery	Rated Voltage:3.85V Capacity: 10000mAh
Description test modes	SIM 1 and SIM 2 is a chipset unit and tested as single chipset, SIM 1 is used to tested
Modulation Type:	GSM: GSM Voice; GPRS/EGPRS Class 12 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 802.11n/g(OFDM): BPSK, QPSK, 16-QAM, 64-QAM 802.11ax (OFDM): BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM 5G WLAN: 802.11a/n(OFDM): BPSK, QPSK, 16-QAM, 64-QAM 802.11ac (OFDM): BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM 802.11ax (OFDM): BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM Bluetooth: GFSK + $\pi/4$ DQPSK+8DPSK BLE: GFSK NFC: ASK
Antenna Specification	GSM/WCDMA/CDMA/LTE/NR: FPC Antenna Bluetooth: FPC Antenna WLAN: FPC Antenna NFC: Coil Antenna
Operating Mode	Maximum continuous output
SIM Card	Support dual-SIM, dual standby, the multiple SIM card with two lines cannot trans mitting at the same time
Hotspot Mode	Support
DTM Mode	Not Support



Frequency Range	GSM 850: 824 ~ 849 MHz GSM 1900: 1850 ~ 1910 MHz WCDMA Band II: 1850 ~ 1910 MHz WCDMA Band IV: 1710 ~ 1755 MHz WCDMA Band V: 824 ~ 849 MHz LTE Band 2: 1850 ~ 1910 MHz LTE Band 4: 1710 ~ 1755 MHz LTE Band 5: 824 ~ 849 MHz LTE Band 7: 2500 ~ 2570 MHz LTE Band 12: 699 ~ 716 MHz LTE Band 13: 777 ~ 787 MHz LTE Band 17: 704 ~ 716 MHz LTE Band 25: 1850 ~ 1915 MHz LTE Band 26: 814 ~ 824 MHz / 824 ~ 849 MHz LTE Band 38: 2570 ~ 2620 MHz LTE Band 41: 2496 ~ 2690 MHz LTE Band 66: 1710 ~ 1780 MHz LTE Band 71: 663 ~ 698 MHz NR N2: 1850 MHz ~ 1910 MHz NR N5: 824 MHz ~ 849 MHz NR N7: 2500 MHz ~ 2570 MHz NR N12: 699 MHz ~ 716 MHz NR N13: 777 MHz ~ 787 MHz NR N25: 1850 MHz ~ 1915 MHz NR N26: 814 ~ 824 MHz / 824 ~ 849 MHz NR N38: 2570 MHz ~ 2620 MHz NR N41: 2496 MHz ~ 2690 MHz NR N66: 1710 MHz ~ 1780 MHz NR N71: 663 MHz ~ 698 MHz NR N77: 3450 MHz ~ 3550 MHz, 3700 MHz ~ 3980 MHz NR N78: 3450 MHz ~ 3550 MHz, 3700 MHz ~ 3800 MHz NSA: B4+N78, B5+N78, B12+N78 WLAN 802.11b/g/n20: 2412 MHz ~ 2462 MHz WLAN 802.11n40: 2422 MHz ~ 2452 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80: 5150 ~ 5250 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80: 5250 ~ 5350 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80: 5470 ~ 5725 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80: 5725 ~ 5875 MHz	
Max. Reported SAR(1g): (Limit: 1.6W/kg) Test distance: Body: 0mm	Mode	Body Worn and Hotspot (W/ kg)
	GSM 850	0.731
	PCS 1900	0.723
	WCDMA Band II	0.691
	WCDMA Band IV	0.755
	WCDMA Band V	0.691
	2.4GHz WLAN ANT 1	0.307
	2.4GHz WLAN ANT 2	0.225
	2.4GHz WLAN MIMO	0.200
	5.2GHz WLAN ANT 1	0.370
	5.2GHz WLAN ANT 2	0.441
	5.2GHz WLAN MIMO	0.177
	5.3GHz WLAN ANT 1	0.271
	5.3GHz WLAN ANT 2	0.326
	5.3GHz WLAN MIMO	0.321
	5.6GHz WLAN ANT 1	0.202
	5.6GHz WLAN ANT 2	0.283
	5.6GHz WLAN MIMO	0.274
	5.8GHz WLAN ANT 1	0.126



	5.8GHz WLAN ANT 2	0.239
	5.8GHz WLAN MIMO	0.245
	LTE Band 2	0.734
	LTE Band 4	0.758
	LTE Band 5	0.659
	LTE Band 7	0.672
	LTE Band 12	0.792
	LTE Band 13	0.557
	LTE Band 17	0.848
	LTE Band 25	0.864
	LTE Band 26	0.645
	LTE Band 38	0.599
	LTE Band 41	0.557
	LTE Band 66	0.801
	LTE Band 71	0.728
	Bluetooth ^{Note}	0.263
	NFC ^{Note}	0.0000002
	NR SA N2	0.277
	NR SA N5	0.586
	NR SA N7	0.688
	NR SA N12	0.671
	NR SA N13	0.423
	NR SA N25	0.481
	NR SA N26	0.696
	NR SA N38	0.451
	NR SA N41	0.363
	NR SA N66	0.458
	NR SA N71	0.645
	NR SA N77	0.469
	NR SA N78	0.331
	NSA N78+B4	1.089
	NSA N78+B5	0.990
	NSA N78+B12	1.123
1-g Sum SAR		1.564

Note:

1. The dual SIM card mobile has 2 SIM slots and supports dual SIM dual standby. The WWAN radio transmission will be enabled by either one SIM at a time (Single active)
2. 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.
3. The EUT battery must be fully charged and checked periodically during the test to ascertain uniform power
4. The BT and NFC value was Estimated.

EN-DC SAR test summary:

Band	Mode	Max SAR	NSA N78+B4
		(W/Kg)	
NSA N78+B4	SA N78	0.331	1.089
	LTE B4	0.758	
Band	Mode	Max SAR	NSA N78+B5
		(W/Kg)	
NSA N78+B5	SA N78	0.331	0.990
	LTE B5	0.659	
Band	Mode	Max SAR	NSA N78+B12
		(W/Kg)	
NSA N78+B12	SA N78	0.331	1.123
	LTE B12	0.792	



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
	A2LA Certificate No.: 6727.01
	IC Registration No.: 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
12	FCC KDB 616217 D04 SAR for laptop and tablets v01r01	SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers

(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

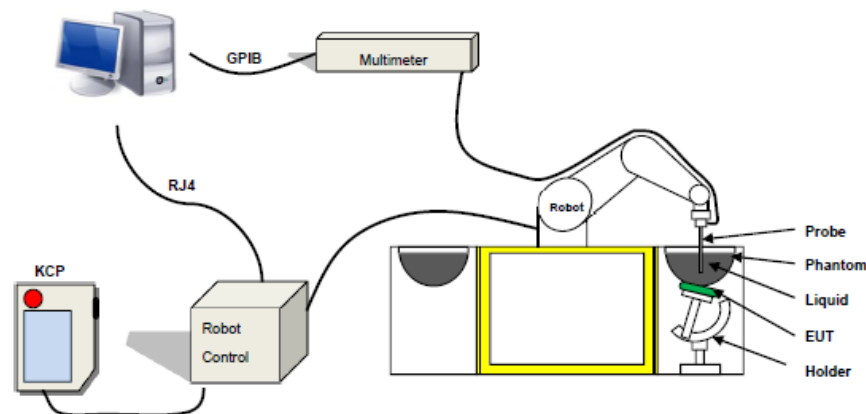
$$SAR = \frac{\sigma E^2}{\rho}$$

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 SN 04/22 EPG0364 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: 600 MHz to 6 GHz for head & body 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.

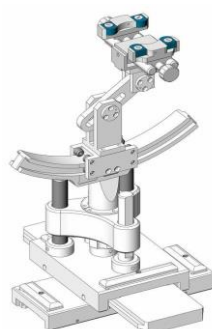


Figure-SN 06/22 SAM 148



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]					
2025-04-23	20.2	54	750	19.9	Permittivity	41.90	42.15	0.60	±5
					Conductivity	0.89	0.88	-1.12	±5
2025-04-22	21.3	47	835	21.1	Permittivity	41.50	41.32	-0.43	±5
					Conductivity	0.90	0.92	2.22	±5
2025-04-25	22.4	54	1800	22.1	Permittivity	40.00	40.73	1.82	±5
					Conductivity	1.40	1.39	-0.71	±5
2025-04-24	23.2	42	1900	22.9	Permittivity	40.00	40.25	0.63	±5
					Conductivity	1.40	1.41	0.71	±5
2025-03-28	20.8	54	2450	20.5	Permittivity	39.20	39.70	1.28	±5
					Conductivity	1.80	1.77	-1.67	±5
2025-04-05	23.2	54	2600	22.9	Permittivity	39.00	39.63	1.62	±5
					Conductivity	1.96	1.97	0.51	±5
2025-04-25	22.5	54	3700	22.1	Permittivity	37.67	38.14	1.25	±5
					Conductivity	3.12	3.10	-0.64	±5
2025-04-27	20.1	43	5200	19.8	Permittivity	36.00	35.99	-0.03	±5
					Conductivity	4.66	4.64	-0.43	±5
2025-04-27	20.2	43	5400	19.9	Permittivity	35.80	36.34	1.51	±5
					Conductivity	4.86	4.88	0.41	±5
2025-04-28	23.6	46	5600	23.4	Permittivity	35.55	36.49	2.64	±5
					Conductivity	5.07	5.11	0.79	±5
2025-04-28	23.7	46	5800	23.4	Permittivity	35.30	36.34	2.95	±5
					Conductivity	5.27	5.31	0.76	±5

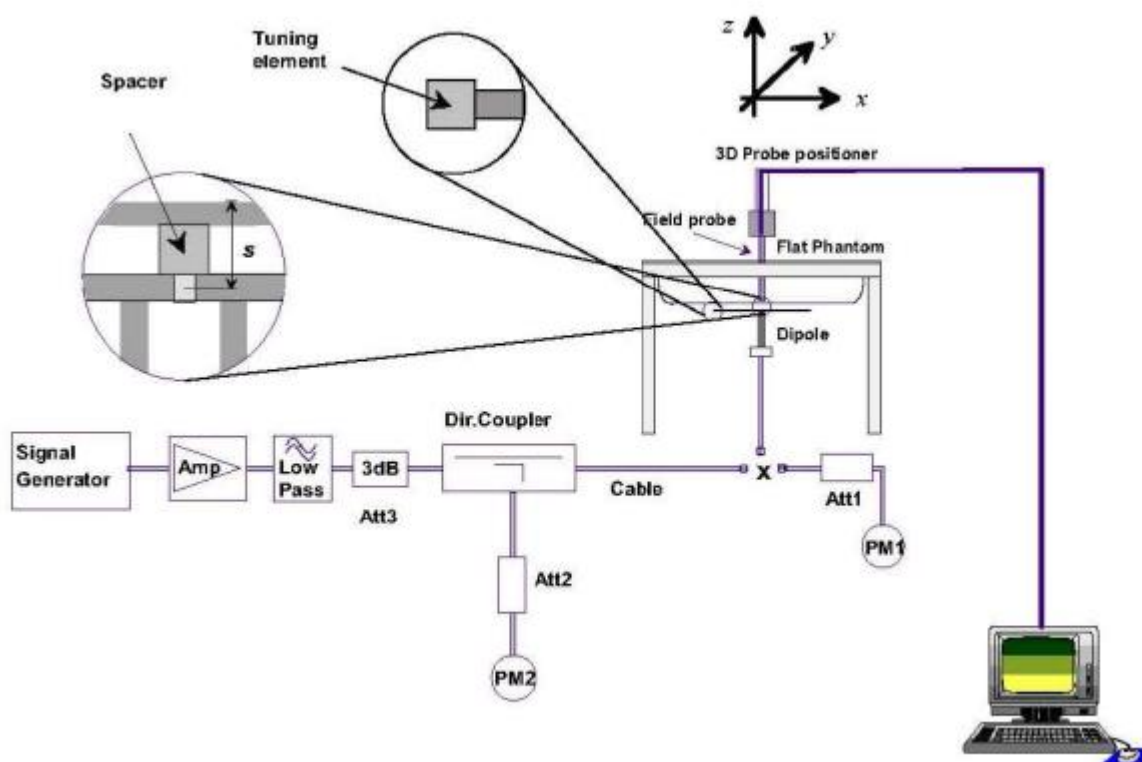


5. SAR System Validation

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.	Power	Power drift	Tested Value	Normalized SAR	Target SAR	Tolerance
	(MHz)	(mW)	(%)	(W/Kg)	(W/kg)	1g(W/kg)	(%)
2025-04-23	750	100	0.823	8.23	8.37	-1.67	10
2025-04-22	835	100	0.987	9.87	9.73	1.44	10
2025-04-25	1800	100	3.915	39.15	39.03	0.31	10
2025-04-24	1900	100	4.064	40.64	40.89	-0.61	10
2025-03-28	2450	100	5.463	54.63	54.21	0.77	10
2025-04-05	2600	100	5.635	56.35	56.56	-0.37	10
2025-04-25	3700	100	6.879	68.79	69.81	-1.46	10
2025-04-27	5200	100	8.203	82.03	80.96	1.32	10
2025-04-27	5400	100	8.506	85.06	84.63	0.51	10
2025-04-28	5600	100	8.272	82.72	80.97	2.16	10
2025-04-28	5800	100	8.309	83.09	81.68	1.73	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

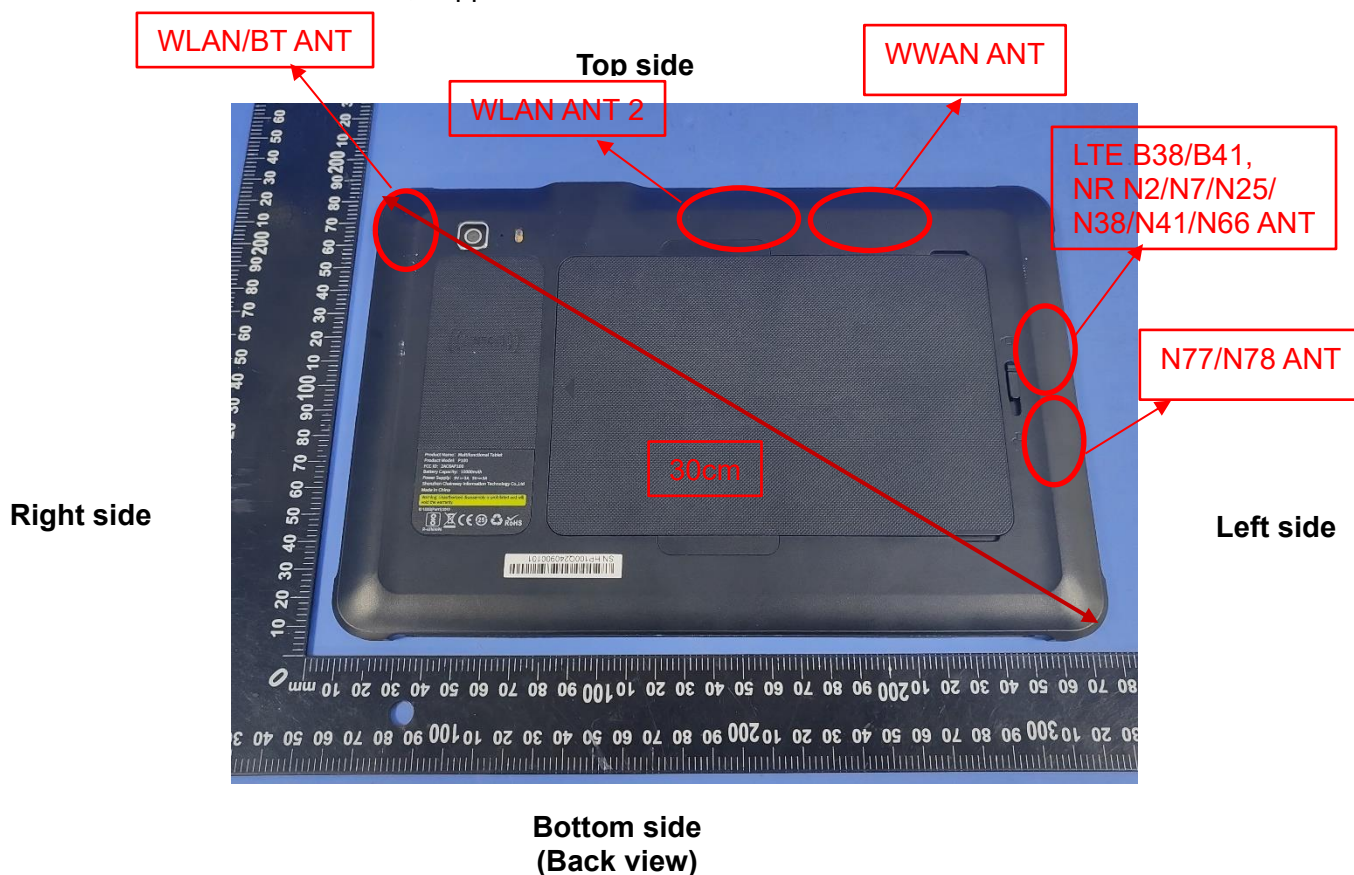
First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan 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 Multifunctional Tablet, support GSM/WCDMA/LTE/NR/WLAN/BT mode.



ANT	Transmitting antenna located(mm)				
	Back Side	Left Side	Right Side	Top Side	Bottom Side
GSM/WCDMA/LTE Antenna	≤5	47	100	≤5	155
BT/WLAN Antenna 1	≤5	220	≤5	≤5	130
WLAN Antenna 2	≤5	100	110	≤5	155
LTE B38/B41 NR N2/N7/N25/N38/N41/N66	≤5	≤5	244	45	95
NR N77/N78 Antenna	≤5	≤5	244	95	50

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	1850.2	1907.6	1712.6	826.4
	Maximum Turn-up power (dBm)	27	25	18	17	24
	Maximum rated power(mW)	501.19	316.23	63.10	50.12	251.19
Back Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	16.28	11.03	10.86	11.46	16.50
	Testing required?	YES	YES	YES	YES	YES
Left Edge	Separation distance (mm)	47	47	47	47	47
	exclusion threshold(mW)	153.04	103.66	102.09	107.74	155.10
	Testing required?	YES	YES	NO	NO	YES
Right Edge	Separation distance (mm)	100	100	100	100	100
	exclusion threshold(mW)	445.75	610.28	608.60	614.62	440.47
	Testing required?	YES	NO	NO	NO	NO
Top Edge	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	16.28	11.03	10.86	11.46	16.50
	Testing required?	YES	YES	YES	YES	YES
Bottom Edge	Separation distance (mm)	155	155	155	155	155
	exclusion threshold(mW)	756.97	1160.28	1158.60	1164.62	743.48
	Testing required?	NO	NO	NO	NO	NO



Exposure Position	Wireless Interface	LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7	LTE Band 12
	Calculated Frequency (MHz)	1880	1732.5	829	2510	711
	Maximum Turn-up power (dBm)	18	17	24	23.5	24
	Maximum rated power(mW)	63.10	50.12	251.19	223.87	251.19
Back Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	10.94	11.40	16.47	9.47	17.79
	Testing required?	YES	YES	YES	YES	YES
Left Edge	Separation distance (mm)	47	47	47	47	47
	exclusion threshold(mW)	102.83	107.12	154.86	89.00	167.22
	Testing required?	NO	NO	YES	YES	YES
Right Edge	Separation distance (mm)	100	100	100	100	100
	exclusion threshold(mW)	609.40	613.96	441.08	594.68	414.89
	Testing required?	NO	NO	NO	NO	NO
Top Edge	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	10.94	11.40	16.47	9.47	17.79
	Testing required?	YES	YES	YES	YES	YES
Bottom Edge	Separation distance (mm)	155	155	155	155	155
	exclusion threshold(mW)	1159.40	1163.96	745.05	1144.68	675.59
	Testing required?	NO	NO	NO	NO	NO



Exposure Position	Wireless Interface	LTE Band 13	LTE Band 17	LTE Band 25	LTE Band 26	LTE Band 38
	Calculated Frequency (MHz)	782	711	1860	831.5	2595
	Maximum Turn-up power (dBm)	24.5	24.5	19	24	20
	Maximum rated power(mW)	281.84	281.84	79.43	251.19	100.00
Back Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	16.96	17.79	11.00	16.45	9.31
	Testing required?	YES	YES	YES	YES	YES
Left Edge	Separation distance (mm)	47	47	47	47	5
	exclusion threshold(mW)	159.45	167.22	103.39	154.63	9.31
	Testing required?	YES	YES	NO	YES	YES
Right Edge	Separation distance (mm)	100	100	100	100	244
	exclusion threshold(mW)	430.29	414.89	609.99	441.66	2033.12
	Testing required?	NO	NO	NO	NO	NO
Top Edge	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	16.96	17.79	11.00	16.45	9.31
	Testing required?	YES	YES	YES	YES	YES
Bottom Edge	Separation distance (mm)	155	155	155	155	45
	exclusion threshold(mW)	717.02	675.59	1159.99	746.55	83.80
	Testing required?	NO	NO	NO	NO	YES



Exposure Position	Wireless Interface	LTE Band 41	LTE Band 66	LTE Band 71	BT
	Calculated Frequency (MHz)	2680	1720	673	2440
	Maximum Turn-up power (dBm)	21	17	24.5	8
	Maximum rated power(mW)	125.89	50.12	281.84	6.31
Back Side	Separation distance (mm)	5	5	5	5
	exclusion threshold(mW)	9.16	11.44	18.28	9.60
	Testing required?	YES	YES	YES	NO
Left Edge	Separation distance (mm)	5	47	47	220
	exclusion threshold(mW)	9.16	107.51	171.87	1796.03
	Testing required?	YES	NO	YES	NO
Right Edge	Separation distance (mm)	244	100	100	5
	exclusion threshold(mW)	2031.63	614.37	407.18	9.60
	Testing required?	NO	NO	NO	NO
Top Edge	Separation distance (mm)	5	5	5	5
	exclusion threshold(mW)	9.16	11.44	18.28	9.60
	Testing required?	YES	YES	YES	NO
Bottom Edge	Separation distance (mm)	45	155	155	130
	exclusion threshold(mW)	82.46	1164.37	653.95	896.03
	Testing required?	YES	NO	NO	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
	Calculated Frequency (MHz)	2412	2412	5240	5200
	Maximum Turn-up power (dBm)	16	16.5	14	13
	Maximum rated power(mW)	39.81	44.67	25.12	19.95
Back Side	Separation distance (mm)	5	5	5	5
	exclusion threshold(mW)	9.66	9.66	6.55	6.58
	Testing required?	YES	YES	YES	YES
Left Edge	Separation distance (mm)	220	100	220	100
	exclusion threshold(mW)	1796.58	596.58	1765.53	565.78
	Testing required?	NO	NO	NO	NO
Right Edge	Separation distance (mm)	5	110	5	110
	exclusion threshold(mW)	9.66	696.58	6.55	665.78
	Testing required?	YES	NO	YES	NO
Top Edge	Separation distance (mm)	5	5	5	5
	exclusion threshold(mW)	9.66	9.66	6.55	6.58
	Testing required?	YES	YES	YES	YES
Bottom Edge	Separation distance (mm)	130	155	130	155
	exclusion threshold(mW)	896.58	1146.58	865.53	1115.78
	Testing required?	NO	NO	NO	NO



Exposure Position	Wireless Interface	5.3G WLAN ANT 1	5.3G WLAN ANT 2	5.6G WLAN ANT 1	5.6G WLAN ANT 2
	Calculated Frequency (MHz)	5260	5260	5700	5700
	Maximum Turn-up power (dBm)	12	13	10.5	13.5
	Maximum rated power(mW)	15.85	19.95	11.22	22.39
Back Side	Separation distance (mm)	5	5	5	5
	exclusion threshold(mW)	6.54	6.54	6.28	6.28
	Testing required?	YES	YES	YES	YES
Left Edge	Separation distance (mm)	220	100	220	100
	exclusion threshold(mW)	1765.40	565.40	1762.83	562.83
	Testing required?	NO	NO	NO	NO
Right Edge	Separation distance (mm)	5	110	5	110
	exclusion threshold(mW)	6.54	665.40	6.28	662.83
	Testing required?	YES	NO	YES	NO
Top Edge	Separation distance (mm)	5	5	5	5
	exclusion threshold(mW)	6.54	6.54	6.28	6.28
	Testing required?	YES	YES	YES	YES
Bottom Edge	Separation distance (mm)	130	155	130	155
	exclusion threshold(mW)	865.40	1115.40	862.83	1112.83
	Testing required?	NO	NO	NO	NO



Exposure Position	Wireless Interface	5.8G WLAN ANT 1	5.8G WLAN ANT 2	SA N2	SA N5	SA N7
	Calculated Frequency (MHz)	5825	5745	1860	834	2510
	Maximum Turn-up power (dBm)	11.5	10.5	20.5	23	19.5
	Maximum rated power(mW)	14.13	11.22	112.20	199.53	89.13
Back Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	6.22	6.26	11.00	16.43	9.47
	Testing required?	YES	YES	YES	YES	YES
Left Edge	Separation distance (mm)	220	100	5	47	5
	exclusion threshold(mW)	1762.15	562.58	11.00	154.40	9.47
	Testing required?	NO	NO	YES	YES	YES
Right Edge	Separation distance (mm)	5	110	244	100	244
	exclusion threshold(mW)	6.22	662.58	2049.99	442.25	2034.68
	Testing required?	YES	NO	NO	NO	NO
Top Edge	Separation distance (mm)	5	5	45	5	45
	exclusion threshold(mW)	6.22	6.26	98.99	16.43	85.21
	Testing required?	YES	YES	YES	YES	YES
Bottom Edge	Separation distance (mm)	130	155	95	155	95
	exclusion threshold(mW)	862.15	1112.58	559.99	748.05	544.68
	Testing required?	NO	NO	NO	NO	NO



Exposure Position	Wireless Interface	SA N12	SA N13	SA N25	SA N26	SA N38
	Calculated Frequency (MHz)	708.5	782	1860	831.5	2600
	Maximum Turn-up power (dBm)	23	23.3	20.8	23.3	17
	Maximum rated power(mW)	199.53	213.80	120.23	213.80	50.12
Back Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	17.82	16.96	11.00	16.45	9.30
	Testing required?	YES	YES	YES	YES	YES
Left Edge	Separation distance (mm)	47	47	5	47	5
	exclusion threshold(mW)	167.51	159.45	11.00	154.63	9.30
	Testing required?	YES	YES	YES	YES	YES
Right Edge	Separation distance (mm)	100	100	244	100	244
	exclusion threshold(mW)	414.37	430.29	2049.99	441.66	2033.03
	Testing required?	NO	NO	NO	NO	NO
Top Edge	Separation distance (mm)	5	5	45	5	45
	exclusion threshold(mW)	17.82	16.96	98.99	16.45	83.72
	Testing required?	YES	YES	YES	YES	NO
Bottom Edge	Separation distance (mm)	155	155	95	155	95
	exclusion threshold(mW)	674.16	717.02	559.99	746.55	543.03
	Testing required?	NO	NO	NO	NO	NO



Exposure Position	Wireless Interface	SA N41	SA N66	SA N71	SA N77	SA N78
	Calculated Frequency (MHz)	2640	1760	673	3750	3750
	Maximum Turn-up power (dBm)	20.2	20.2	23.5	17.5	18.5
	Maximum rated power(mW)	104.71	104.71	223.87	56.23	70.79
Back Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	9.23	11.31	18.28	7.75	7.75
	Testing required?	YES	YES	YES	YES	YES
Left Edge	Separation distance (mm)	5	5	47	5	5
	exclusion threshold(mW)	9.23	11.31	171.87	7.75	7.75
	Testing required?	YES	YES	YES	YES	YES
Right Edge	Separation distance (mm)	244	244	100	244	244
	exclusion threshold(mW)	2032.32	2053.07	407.18	2017.46	2017.46
	Testing required?	NO	NO	NO	NO	NO
Top Edge	Separation distance (mm)	45	45	5	95	95
	exclusion threshold(mW)	83.09	101.76	18.28	527.46	527.46
	Testing required?	YES	YES	YES	NO	NO
Bottom Edge	Separation distance (mm)	95	95	155	50	50
	exclusion threshold(mW)	542.32	563.07	653.95	77.46	77.46
	Testing required?	NO	NO	NO	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 ≤ 50 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(GHz) 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.
7. Per KDB 616217 D04, SAR evaluation for the front surface of tablet display screens are generally not necessary.

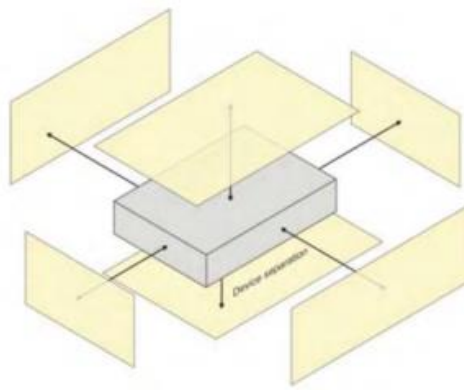


8. EUT Test Position

This EUT was tested in Back Side, Left Side, Right Side and Top Side.

8.1 Body-worn Position Conditions

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	5.8	N	1	1	1	5.8	5.8	∞
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	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
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	1.81	1.81	∞
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	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Probe positioning with respect to phantom shell	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
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	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	N	1	1	0.84	2.00	1.68	∞
Liquid Conductivity - Measurement Uncertainty)	4	N	1	0.78	0.71	3.12	2.84	5
Liquid Permittivity - Measurement Uncertainty	5	N	1	0.23	0.26	1.15	1.30	5
Liquid Conductivity (Temperature Uncertainty)	2.5	R	$\sqrt{3}$	0.78	0.71	1.13	1.02	∞
Liquid Permittivity (Temperature Uncertainty)	2.5	R	$\sqrt{3}$	0.23	0.26	0.33	0.38	∞
Combined Standard Uncertainty		RSS				10.47	10.34	
Expanded Uncertainty (95% Confidence interval)		K				20.95	20.69	



9.2 System validation Uncertainty

Uncertainty Component	Tol (+-%)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+-%)	10g Ui (+-%)	vi
Measurement System								
Probe calibration	5.8	N	1	1	1	5.8	5.8	∞
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	0.71	0.71	∞
System detection limits	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Modulation response	0	N	$\sqrt{3}$	0	0	0.00	0.00	∞
Readout Electronics	0.5	N	1	1	1	0.50	0.50	∞
Response Time	0	R	$\sqrt{3}$	0	0	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	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Probe positioning with respect to phantom shell	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
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	N	1	1	0.84	2.00	1.68	∞
Liquid Conductivity - Measurement Uncertainty)	4	N	1	0.78	0.71	3.12	2.84	5
Liquid Permittivity - Measurement Uncertainty	5	N	1	0.23	0.26	1.15	1.30	5
Liquid Conductivity (Temperature Uncertainty)	2.5	R	$\sqrt{3}$	0.78	0.71	1.13	1.02	∞
Liquid Permittivity (Temperature Uncertainty)	2.5	R	$\sqrt{3}$	0.23	0.26	0.33	0.38	∞
Combined Standard Uncertainty		RSS				10.16	10.03	
Expanded Uncertainty (95% Confidence interval)		K				20.32	20.06	



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)	26.47	26.6	26.6	21.59	21.31	20.71
GPRS (GMSK, 1-Slot)	26.47	26.62	26.59	21.58	21.29	20.72
GPRS (GMSK, 2-Slot)	26.5	26.64	26.63	21.57	21.32	20.73
GPRS (GMSK, 3-Slot)	26.53	26.65	26.65	21.56	21.29	20.72
GPRS (GMSK, 4-Slot)	26.55	26.69	26.7	21.56	21.29	20.7
EGPRS (8PSK, 1-Slot)	26.6	26.91	27.12	25.44	25.39	25.2
EGPRS (8PSK, 2-Slot)	25.5	25.5	26.25	24.65	24.08	24.13
EGPRS (8PSK, 3-Slot)	23.25	23.88	24.2	22.55	22.39	22.29
EGPRS (8PSK, 4-Slot)	22.22	22.7	22.83	21.2	21.4	21.02
Remark: GPRS, CS4 coding scheme. EGPRS, MCS5 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)	17.44	17.57	17.57	12.56	12.28	11.68
GPRS (GMSK, 1-Slot)	17.44	17.59	17.56	12.55	12.26	11.69
GPRS (GMSK, 2-Slot)	20.48	20.62	20.61	15.55	15.30	14.71
GPRS (GMSK, 3-Slot)	22.27	22.39	22.39	17.30	17.03	16.46
GPRS (GMSK, 4-Slot)	23.54	23.68	23.69	18.55	18.28	17.69
EGPRS (8PSK, 1-Slot)	17.57	17.88	18.09	16.41	16.36	16.17
EGPRS (8PSK, 2-Slot)	19.48	19.48	20.23	18.63	18.06	18.11
EGPRS (8PSK, 3-Slot)	18.99	19.62	19.94	18.29	18.13	18.03
EGPRS (8PSK, 4-Slot)	19.21	19.69	19.82	18.19	18.39	18.01
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	17.38	17.54	17.58	16.57	16.19	16.17	23.8	23.74	23.62
HSDPA Subtest-1	16.37	16.54	16.58	15.6	15.43	15.43	22.97	22.74	22.6
HSDPA Subtest-2	15.74	16.09	16.03	15.12	14.82	14.97	22.57	22.35	22.27
HSDPA Subtest-3	14.93	15.15	15.23	14.09	13.84	14.07	21.57	21.19	20.94
HSDPA Subtest-4	15.02	14.85	14.83	13.91	13.98	13.96	21.52	21.2	21.42
HSUPA Subtest-1	15.8	16.27	16.35	14.13	15.11	15.2	22.03	22.55	22.46
HSUPA Subtest-2	16.21	16.34	16.41	15.43	15.22	15.3	22.84	22.69	22.41
HSUPA Subtest-3	14.53	15.17	15.4	13.86	14.32	14.12	21.18	21.48	21.36
HSUPA Subtest-4	16.31	16.45	16.53	15.58	15.42	15.4	22.96	22.73	22.6
HSUPA Subtest-5	15.11	15.91	15.87	14.3	14.68	14.63	21.5	22.11	21.91

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	15.58	16.27	N/A
	7	2437	13.91	14.6	N/A
	11	2462	14.15	13.78	N/A
802.11g	1	2412	13.76	13.16	N/A
	7	2437	13.49	13.37	N/A
	11	2462	13.62	12.85	N/A
802.11n-HT20	1	2412	13.68	12.94	13.21
	7	2437	13.35	13.16	12
	11	2462	13.51	12.58	12.51
802.11n-HT40	3	2422	13.59	13.16	13.06
	6	2437	13.46	13.23	13.58
	9	2452	13.88	13.15	13.36
802.11ax-HET20	1	2412	13.8	12.99	14.64
	7	2437	13.38	13.45	12.85
	11	2462	13.61	12.94	13.28
802.11ax-HET40	3	2422	13.65	13.44	13.58
	6	2437	13.62	13.28	13.9
	9	2452	14.01	13.35	14.25



Bluetooth

BT				
Mode	Channel Number	Frequency (MHz)	Average Power (dBm)	Output Power (mW)
GFSK(1Mbps)	0	2402	6.78	4.76
	39	2441	7.23	5.28
	78	2480	6.4	4.37
$\pi/4$ -QPSK(2Mbps)	0	2402	6.46	4.43
	39	2441	6.94	4.94
	78	2480	6.03	4.01
8DPSK(3Mbps)	0	2402	6.67	4.65
	39	2441	7.34	5.42
	78	2480	6.52	4.49

BLE

BLE				
Mode	Channel Number	Frequency (MHz)	Average Power (dBm)	Output Power (mW)
GFSK(1Mbps)	0	2402	7.35	5.43
	19	2440	7.73	5.93
	39	2480	6.84	4.83
GFSK(2Mbps)	0	2402	7.32	5.40
	19	2440	7.66	5.83
	39	2480	6.91	4.91



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	11.77	12.2	N/A
	40	5200	12.35	12.56	N/A
	48	5240	13.79	11.49	N/A
802.11n-HT20	36	5180	10.79	11.27	11.8
	40	5200	11.17	11.54	11.87
	48	5240	11.02	11.71	9.51
802.11n-HT40	38	5190	11.18	11.46	12.1
	46	5230	11.2	11.75	10.75
802.11ac-VHT20	36	5180	10.75	11.59	11.83
	40	5200	11.15	11.55	11.91
	48	5240	11.17	11.79	10.36
802.11ac-VHT40	38	5190	11.06	11.47	11.78
	46	5230	11.16	11.74	10.45
802.11ac-VHT80	42	5210	10.86	11.28	10.51
802.11ax-HE20	36	5180	10.02	11.49	11.89
	40	5200	10.96	11.78	12
	48	5240	11.03	11.91	10.34
802.11ax-HE40	38	5190	11.09	11.8	12.09
	46	5230	10.67	12.01	10.86
802.11ax-HE80	42	5210	10.11	11.73	10.41



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	11.62	12.95	N/A
	60	5300	11.28	12.67	N/A
	64	5320	11.28	12.8	N/A
802.11n-HT20	52	5260	10.43	11.88	9.4
	60	5300	10.27	11.61	11.69
	64	5320	10.37	11.7	11.39
802.11n-HT40	54	5270	10.58	11.87	10.07
	62	5310	10.38	11.45	11.53
802.11ac-VHT20	52	5260	10.71	11.95	9.57
	60	5300	10.49	11.72	11.7
	64	5320	10.38	11.5	11.28
802.11ac-VHT40	54	5270	10.64	11.76	10.06
	62	5310	10.37	11.32	11.37
802.11ac-VHT80	58	5290	10.08	11.2	10.57
802.11ax-HE20	52	5260	10.3	11.9	9.65
	60	5300	10.2	11.76	11.79
	64	5320	10.19	11.68	11.38
802.11ax-HE40	54	5270	10.37	11.88	10.28
	62	5310	10.28	11.65	11.57
802.11ax-HE80	54	5290	9.63	11.57	10.03



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	10.13	12.41	N/A
	116	5580	9.89	12.71	N/A
	140	5700	10.44	13.21	N/A
802.11n-HT20	100	5500	9.2	11.34	9.92
	116	5580	8.82	11.36	9.99
	140	5700	9.5	11.97	10.09
802.11n-HT40	102	5510	9.07	10.75	9.88
	110	5550	9.18	10.83	10.77
	134	5670	9.33	11.64	11.16
802.11ac-VHT20	100	5500	9.24	10.81	9.7
	116	5580	9.01	11.06	9.81
	140	5700	9.48	11.73	10.06
802.11ac-VHT40	102	5510	8.64	10.46	9.58
	110	5550	9.17	10.83	10.6
	134	5670	9.04	11.34	10.86
802.11ac-VHT80	106	5530	8.86	10.6	10.1
	122	5610	9.12	10.87	10.1
802.11ax-HE20	100	5500	9.17	11.32	9.78
	116	5580	8.94	11.49	9.92
	140	5700	9.27	12.03	10.12
802.11ax-HE40	102	5510	9.01	10.82	9.8
	110	5550	9.18	10.94	10.79
	134	5670	7.22	11.59	11.14
802.11ax-HE80	106	5530	7.96	10.94	8.93
	122	5610	8.92	11.15	8.5



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	10.34	12.77	N/A
	157	5785	10.14	12.38	N/A
	165	5825	10.37	12.34	N/A
802.11n-HT20	149	5745	9.28	11.79	10.78
	157	5785	9.21	9.35	11.06
	165	5825	9.23	11.22	9.7
802.11n-HT40	151	5755	9.41	11.6	10.75
	159	5795	9.36	11.14	10.68
802.11ac-VHT20	149	5745	9.52	11.66	10.85
	157	5785	9.36	11.34	11.15
	165	5825	9.5	11.36	9.73
802.11ac-VHT40	151	5755	9.23	11.3	10.98
	159	5795	9.36	11.14	10.67
802.11ac-VHT80	155	5775	7.27	10.87	10.42
802.11ax-HE20	149	5745	9.3	11.9	10.95
	157	5785	9.1	11.46	11.2
	165	5825	9.74	11.47	9.81
802.11ax-HE40	151	5755	7.79	11.58	10.98
	159	5795	7.97	11.29	10.79
802.11ax-HE80	155	5775	9.11	11.3	9.57

NFC

Field strength(dBuV/m)	ERP(dBm)
51.49	-43.71

Note. The power of this EUT NFC is -43.71dBm (0.0001mW), this power is less than the defined low power exclusion level (Pmax: 39 mW), so NFC is exemption.



LTE Conducted Power

General Note:

1. Anritsu 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	17.27	17.53	17.34
1.4	1	2		17.30	17.54	17.37
1.4	1	5		17.28	17.50	17.35
1.4	3	0		17.21	17.39	17.36
1.4	3	1		17.23	17.39	17.34
1.4	3	2		17.23	17.37	17.33
1.4	6	0		16.17	16.37	16.30
1.4	1	0	16-QAM	16.16	16.67	16.56
1.4	1	2		16.15	16.65	16.56
1.4	1	5		16.20	16.64	16.58
1.4	3	0		16.37	16.59	16.59
1.4	3	1		16.40	16.59	16.57
1.4	3	2		16.43	16.54	16.57
1.4	6	0		15.57	15.70	15.66
3	1	0	QPSK	17.20	17.40	17.34
3	1	7		17.27	17.41	17.41
3	1	14		17.18	17.39	17.42
3	8	0		16.18	16.36	16.29
3	8	4		16.27	16.37	16.28
3	8	7		16.23	16.31	16.27
3	15	0		16.11	16.31	16.30
3	1	0	16-QAM	16.65	16.60	16.24
3	1	7		16.75	16.66	16.32
3	1	14		16.69	16.55	16.25
3	8	0		15.33	15.59	15.50
3	8	4		15.47	15.59	15.48
3	8	7		15.41	15.43	15.49
3	15	0		15.39	15.47	15.55



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	17.33	17.46	17.37
5	1	12		17.36	17.45	17.39
5	1	24		17.39	17.43	17.39
5	12	0		16.27	16.42	16.38
5	12	6		16.28	16.42	16.34
5	12	11		16.26	16.35	16.29
5	25	0		16.28	16.38	16.35
5	1	0	16-QAM	16.90	16.84	16.66
5	1	12		16.92	16.78	16.70
5	1	24		17.02	16.81	16.73
5	12	0		15.43	15.52	15.56
5	12	6		15.42	15.52	15.53
5	12	11		15.42	15.48	15.45
5	25	0		15.45	15.60	15.51
10	1	0	QPSK	17.25	17.60	17.32
10	1	24		17.36	17.47	17.37
10	1	49		17.49	17.43	17.47
10	25	0		16.33	16.44	16.37
10	25	12		16.31	16.38	16.31
10	25	24		16.38	16.33	16.25
10	50	0		16.37	16.33	16.31
10	1	0	16-QAM	16.66	16.69	16.19
10	1	24		16.79	16.65	16.25
10	1	49		16.92	16.56	16.26
10	25	0		15.54	15.61	15.54
10	25	12		15.50	15.59	15.51
10	25	24		15.58	15.49	15.41
10	50	0		15.55	15.56	15.46



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	17.17	17.45	17.23
15	1	37		17.48	17.45	17.34
15	1	74		17.44	17.32	17.37
15	36	0		16.33	16.44	16.25
15	36	18		16.39	16.40	16.24
15	36	39		16.49	16.30	16.23
15	75	0		16.41	16.37	16.20
15	1	0	16-QAM	16.62	16.68	16.34
15	1	38		16.89	16.64	16.45
15	1	75		16.90	16.50	16.42
15	36	0		15.48	15.68	15.38
15	36	18		15.56	15.74	15.47
15	36	39		15.70	15.52	15.36
15	75	0		15.57	15.50	15.42
20	1	0	QPSK	17.19	17.54	17.24
20	1	49		17.46	17.65	17.38
20	1	99		17.55	17.40	17.40
20	50	0		16.45	16.45	16.14
20	50	24		16.51	16.38	16.34
20	50	49		16.58	16.24	16.15
20	100	0		16.49	16.37	16.13
20	1	0	16-QAM	16.56	16.77	16.48
20	1	49		16.81	16.77	16.60
20	1	99		16.88	16.64	16.65
20	50	0		15.62	15.55	15.37
20	50	24		15.68	15.63	15.51
20	50	49		15.82	15.42	15.36
20	100	0		15.70	15.50	15.32



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	16.66	16.36	16.33
1.4	1	2		16.64	16.37	16.39
1.4	1	5		16.57	16.35	16.38
1.4	3	0		16.50	16.34	16.35
1.4	3	1		16.51	16.32	16.37
1.4	3	2		16.52	16.32	16.33
1.4	6	0		15.50	15.35	15.33
1.4	1	0	16-QAM	15.74	15.57	15.22
1.4	1	2		15.73	15.57	15.24
1.4	1	5		15.74	15.57	15.24
1.4	3	0		15.71	15.58	15.49
1.4	3	1		15.69	15.61	15.49
1.4	3	2		15.70	15.55	15.51
1.4	6	0		14.72	14.50	14.50
3	1	0	QPSK	16.56	16.31	16.35
3	1	7		16.56	16.34	16.38
3	1	14		16.61	16.27	16.36
3	8	0		15.51	15.35	15.36
3	8	4		15.49	15.35	15.33
3	8	7		15.49	15.31	15.33
3	15	0		15.49	15.33	15.36
3	1	0	16-QAM	15.43	15.77	15.51
3	1	7		15.47	15.78	15.58
3	1	14		15.47	15.75	15.52
3	8	0		14.51	14.36	14.38
3	8	4		14.50	14.35	14.37
3	8	7		14.51	14.35	14.37
3	15	0		14.57	14.32	14.31



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	16.55	16.36	16.43
5	1	12		16.57	16.39	16.39
5	1	24		16.57	16.36	16.41
5	12	0		15.57	15.35	15.42
5	12	6		15.53	15.36	15.41
5	12	11		15.50	15.31	15.39
5	25	0		15.52	15.35	15.42
5	1	0	16-QAM	15.85	15.72	15.98
5	1	12		15.92	15.74	15.95
5	1	24		15.87	15.72	15.98
5	12	0		14.45	14.39	14.37
5	12	6		14.46	14.37	14.39
5	12	11		14.43	14.31	14.38
5	25	0		14.56	14.34	14.36
10	1	0	QPSK	16.51	16.43	16.40
10	1	24		16.49	16.39	16.41
10	1	49		16.47	16.40	16.43
10	25	0		15.51	15.40	15.36
10	25	12		15.53	15.33	15.36
10	25	24		15.50	15.31	15.39
10	50	0		15.55	15.38	15.39
10	1	0	16-QAM	15.94	15.56	15.25
10	1	24		15.93	15.52	15.25
10	1	49		15.92	15.54	15.25
10	25	0		14.55	14.39	14.34
10	25	12		14.50	14.33	14.36
10	25	24		14.52	14.34	14.39
10	50	0		14.51	14.38	14.33



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	16.47	16.31	16.25
15	1	37		16.50	16.38	16.39
15	1	74		16.35	16.38	16.31
15	36	0		15.49	15.33	15.27
15	36	18		15.48	15.36	15.33
15	36	39		15.45	15.34	15.40
15	75	0		15.46	15.38	15.37
15	1	0	16-QAM	15.66	15.42	15.71
15	1	38		15.63	15.53	15.82
15	1	75		15.51	15.46	15.73
15	36	0		14.53	14.32	14.33
15	36	18		14.49	14.31	14.42
15	36	39		14.45	14.26	14.40
15	75	0		14.43	14.35	14.36
20	1	0	QPSK	16.43	16.36	16.24
20	1	49		16.44	16.67	16.43
20	1	99		16.38	16.43	16.35
20	50	0		15.48	15.37	15.28
20	50	24		15.46	15.37	15.40
20	50	49		15.40	15.36	15.45
20	100	0		15.46	15.40	15.37
20	1	0	16-QAM	15.76	15.55	15.50
20	1	49		15.78	15.70	15.66
20	1	99		15.70	15.63	15.60
20	50	0		14.47	14.37	14.30
20	50	24		14.47	14.37	14.45
20	50	49		14.45	14.34	14.44
20	100	0		14.44	14.38	14.37



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.62	23.78	23.35
1.4	1	2		23.68	23.79	23.40
1.4	1	5		23.66	23.73	23.37
1.4	3	0		23.57	23.65	23.40
1.4	3	1		23.60	23.65	23.39
1.4	3	2		23.60	23.67	23.43
1.4	6	0		22.85	22.83	22.56
1.4	1	0	16-QAM	22.71	23.09	22.84
1.4	1	2		22.74	23.07	22.83
1.4	1	5		22.76	23.05	22.86
1.4	3	0		22.92	23.06	22.76
1.4	3	1		22.92	23.05	22.77
1.4	3	2		22.96	23.02	22.80
1.4	6	0		21.97	22.02	21.73
3	1	0	QPSK	23.60	23.76	23.39
3	1	7		23.73	23.72	23.38
3	1	14		23.72	23.65	23.37
3	8	0		22.75	22.88	22.54
3	8	4		22.77	22.79	22.55
3	8	7		22.75	22.86	22.53
3	15	0		22.78	22.88	22.55
3	1	0	16-QAM	22.72	23.33	22.80
3	1	7		22.72	23.31	22.81
3	1	14		22.75	23.27	22.79
3	8	0		21.78	21.92	21.59
3	8	4		21.80	21.88	21.56
3	8	7		21.79	21.89	21.57
3	15	0		21.85	21.92	21.53



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.69	23.74	23.56
5	1	12		23.80	23.73	23.57
5	1	24		23.85	23.67	23.58
5	12	0		22.85	22.90	22.69
5	12	6		22.82	22.88	22.64
5	12	11		22.83	22.82	22.58
5	25	0		22.85	22.88	22.63
5	1	0	16-QAM	23.27	23.31	23.16
5	1	12		23.30	23.22	23.10
5	1	24		23.38	23.23	23.15
5	12	0		21.81	21.96	21.66
5	12	6		21.76	21.92	21.62
5	12	11		21.77	21.87	21.56
5	25	0		21.90	21.86	21.63
10	1	0	QPSK	23.65	23.81	23.55
10	1	24		23.83	23.81	23.53
10	1	49		23.86	23.61	23.42
10	25	0		22.89	22.96	22.70
10	25	12		22.91	22.94	22.62
10	25	24		23.03	22.87	22.59
10	50	0		23.00	22.92	22.65
10	1	0	16-QAM	22.72	23.38	22.92
10	1	24		22.80	23.36	22.88
10	1	49		22.93	23.19	22.82
10	25	0		21.90	21.93	21.71
10	25	12		21.92	21.93	21.68
10	25	24		22.03	21.90	21.58
10	50	0		21.93	21.89	21.67



LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	22.96	22.91	22.65
5	1	12		22.98	22.87	22.66
5	1	24		23.00	22.90	22.69
5	12	0		21.92	21.83	21.74
5	12	6		21.85	21.74	21.68
5	12	11		21.94	21.71	21.72
5	25	0		21.93	21.76	21.74
5	1	0	16-QAM	22.48	22.27	22.02
5	1	12		22.45	22.23	22.08
5	1	24		22.50	22.22	22.10
5	12	0		20.88	20.75	20.75
5	12	6		20.89	20.74	20.71
5	12	11		20.89	20.68	20.69
5	25	0		20.88	20.86	20.73
10	1	0	QPSK	22.89	22.78	22.61
10	1	24		22.90	22.85	22.69
10	1	49		22.91	22.76	22.67
10	25	0		21.83	21.79	21.68
10	25	12		21.89	21.78	21.68
10	25	24		21.90	21.79	21.74
10	50	0		21.89	21.81	21.70
10	1	0	16-QAM	22.04	21.66	22.02
10	1	24		22.10	21.70	22.15
10	1	49		22.09	21.62	22.16
10	25	0		20.87	20.75	20.72
10	25	12		20.90	20.77	20.72
10	25	24		20.90	20.76	20.72
10	50	0		20.91	20.75	20.69



LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	22.77	22.76	22.60
15	1	37		22.87	22.74	22.70
15	1	74		22.92	22.59	22.71
15	36	0		21.78	21.73	21.61
15	36	18		21.88	21.71	21.67
15	36	39		21.91	21.67	21.66
15	75	0		21.86	21.78	21.62
15	1	0	16-QAM	22.26	21.99	21.67
15	1	38		22.34	22.01	21.80
15	1	75		22.45	21.86	21.80
15	36	0		20.88	20.82	20.61
15	36	18		20.95	20.87	20.65
15	36	39		20.95	20.79	20.67
15	75	0		20.90	20.75	20.65
20	1	0	QPSK	22.83	22.63	22.47
20	1	49		23.01	22.72	22.67
20	1	99		23.10	22.52	22.66
20	50	0		21.86	21.83	21.69
20	50	24		21.90	21.81	21.66
20	50	49		22.06	21.73	21.67
20	100	0		21.94	21.78	21.61
20	1	0	16-QAM	22.04	22.01	21.85
20	1	49		22.20	22.11	22.03
20	1	99		22.28	21.90	22.05
20	50	0		20.81	20.80	20.71
20	50	24		20.90	20.82	20.71
20	50	49		21.01	20.73	20.69
20	100	0		20.90	20.81	20.67



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.75	23.52	23.64
1.4	1	2		23.79	23.55	23.68
1.4	1	5		23.69	23.50	23.67
1.4	3	0		23.79	23.51	23.65
1.4	3	1		23.78	23.49	23.65
1.4	3	2		23.74	23.52	23.68
1.4	6	0		22.70	22.52	22.62
1.4	1	0	16-QAM	22.96	22.52	22.85
1.4	1	2		22.94	22.47	22.88
1.4	1	5		22.92	22.42	22.91
1.4	3	0		23.00	22.70	22.89
1.4	3	1		22.99	22.69	22.86
1.4	3	2		22.99	22.68	22.88
1.4	6	0		21.86	21.66	21.82
3	1	0	QPSK	23.72	23.50	23.60
3	1	7		23.65	23.49	23.74
3	1	14		23.57	23.52	23.71
3	8	0		22.67	22.44	22.62
3	8	4		22.64	22.45	22.65
3	8	7		22.62	22.46	22.67
3	15	0		22.59	22.50	22.66
3	1	0	16-QAM	23.15	22.74	22.53
3	1	7		23.12	22.73	22.58
3	1	14		22.98	22.76	22.59
3	8	0		21.72	21.51	21.63
3	8	4		21.69	21.50	21.64
3	8	7		21.68	21.51	21.68
3	15	0		21.69	21.47	21.73



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.68	23.57	23.56
5	1	12		23.66	23.53	23.67
5	1	24		23.56	23.66	23.79
5	12	0		22.54	22.63	22.54
5	12	6		22.58	22.52	22.64
5	12	11		22.60	22.51	22.68
5	25	0		22.61	22.55	22.62
5	1	0	16-QAM	23.12	22.90	23.16
5	1	12		23.03	22.87	23.13
5	1	24		23.06	22.96	23.20
5	12	0		21.47	21.65	21.50
5	12	6		21.50	21.51	21.60
5	12	11		21.51	21.50	21.63
5	25	0		21.63	21.53	21.58
10	1	0	QPSK	23.76	23.58	23.65
10	1	24		23.69	23.53	23.64
10	1	49		23.72	23.58	23.82
10	25	0		22.41	22.62	22.54
10	25	12		22.52	22.52	22.59
10	25	24		22.41	22.66	22.76
10	50	0		22.43	22.68	22.69
10	1	0	16-QAM	23.10	22.73	22.49
10	1	24		23.00	22.73	22.52
10	1	49		22.99	22.85	22.64
10	25	0		21.44	21.64	21.59
10	25	12		21.55	21.53	21.61
10	25	24		21.39	21.66	21.77
10	50	0		21.39	21.67	21.64



LTE Band 13 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	24.04	24.14	24.12
5	1	12		24.08	24.17	24.07
5	1	24		24.13	24.17	24.06
5	12	0		23.06	23.07	23.00
5	12	6		23.06	23.06	23.05
5	12	11		23.06	23.11	23.10
5	25	0		23.09	23.11	23.07
5	1	0	16-QAM	23.37	23.59	23.54
5	1	12		23.42	23.61	23.48
5	1	24		23.51	23.63	23.59
5	12	0		22.06	22.04	21.91
5	12	6		22.08	22.05	21.98
5	12	11		22.03	22.12	22.02
5	25	0		22.04	22.08	22.08
10	1	0	QPSK	/	24.16	/
10	1	24		/	24.13	/
10	1	49		/	24.21	/
10	25	0		/	23.05	/
10	25	12		/	23.09	/
10	25	24		/	23.20	/
10	50	0		/	23.16	/
10	1	0	16-QAM	/	23.42	/
10	1	24		/	23.57	/
10	1	49		/	23.52	/
10	25	0		/	22.08	/
10	25	12		/	22.10	/
10	25	24		/	22.24	/
10	50	0		/	22.12	/



LTE Band 17 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.82	23.88	23.96
5	1	12		23.83	24.02	24.00
5	1	24		23.89	24.03	24.10
5	12	0		22.85	22.91	22.85
5	12	6		22.81	22.92	22.93
5	12	11		22.77	22.98	22.91
5	25	0		22.82	22.99	22.94
5	1	0	16-QAM	23.10	23.32	23.32
5	1	12		23.16	23.47	23.38
5	1	24		23.27	23.51	23.44
5	12	0		21.87	21.85	21.79
5	12	6		21.81	21.92	21.85
5	12	11		21.75	21.96	21.81
5	25	0		21.80	21.90	21.92
10	1	0	QPSK	23.83	23.74	23.85
10	1	24		23.94	23.98	23.99
10	1	49		24.00	23.93	24.14
10	25	0		22.94	22.90	22.87
10	25	12		22.84	22.92	22.93
10	25	24		23.12	23.08	23.05
10	50	0		23.06	23.02	22.96
10	1	0	16-QAM	23.18	22.96	22.69
10	1	24		23.31	23.13	22.84
10	1	49		23.38	23.13	22.92
10	25	0		21.93	21.92	21.91
10	25	12		21.89	21.87	21.93
10	25	24		22.13	22.12	22.04
10	50	0		22.05	22.01	21.94



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	18.38	18.43	18.38
1.4	1	2		18.42	18.48	18.39
1.4	1	5		18.40	18.41	18.40
1.4	3	0		18.28	18.44	18.38
1.4	3	1		18.28	18.44	18.34
1.4	3	2		18.31	18.39	18.35
1.4	6	0		17.26	17.38	17.37
1.4	1	0	16-QAM	17.53	17.68	17.32
1.4	1	2		17.53	17.64	17.26
1.4	1	5		17.53	17.66	17.26
1.4	3	0		17.46	17.65	17.53
1.4	3	1		17.49	17.67	17.51
1.4	3	2		17.47	17.61	17.52
1.4	6	0		16.43	16.53	16.49
3	1	0	QPSK	18.28	18.45	18.40
3	1	7		18.31	18.44	18.45
3	1	14		18.28	18.41	18.42
3	8	0		17.29	17.41	17.34
3	8	4		17.28	17.39	17.37
3	8	7		17.28	17.32	17.37
3	15	0		17.26	17.34	17.36
3	1	0	16-QAM	17.71	17.65	17.32
3	1	7		17.78	17.68	17.34
3	1	14		17.75	17.58	17.24
3	8	0		16.25	16.44	16.34
3	8	4		16.29	16.40	16.36
3	8	7		16.27	16.36	16.35
3	15	0		16.28	16.31	16.40



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	18.33	18.48	18.46
5	1	12		18.37	18.49	18.44
5	1	24		18.42	18.44	18.46
5	12	0		17.35	17.50	17.41
5	12	6		17.31	17.45	17.43
5	12	11		17.30	17.36	17.42
5	25	0		17.32	17.42	17.42
5	1	0	16-QAM	17.69	17.81	18.02
5	1	12		17.72	17.82	18.00
5	1	24		17.73	17.77	17.99
5	12	0		16.28	16.48	16.41
5	12	6		16.21	16.44	16.41
5	12	11		16.23	16.36	16.40
5	25	0		16.29	16.39	16.31
10	1	0	QPSK	18.30	18.57	18.44
10	1	24		18.40	18.48	18.50
10	1	49		18.47	18.42	18.47
10	25	0		17.38	17.52	17.51
10	25	12		17.36	17.46	17.44
10	25	24		17.41	17.36	17.47
10	50	0		17.41	17.48	17.54
10	1	0	16-QAM	17.74	17.69	17.31
10	1	24		17.79	17.63	17.32
10	1	49		17.93	17.57	17.30
10	25	0		16.41	16.49	16.52
10	25	12		16.39	16.41	16.42
10	25	24		16.40	16.35	16.46
10	50	0		16.35	16.46	16.46



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	18.25	18.51	18.28
15	1	37		18.46	18.47	18.43
15	1	74		18.56	18.38	18.37
15	36	0		17.35	17.52	17.41
15	36	18		17.41	17.45	17.38
15	36	39		17.54	17.33	17.42
15	75	0		17.43	17.40	17.42
15	1	0	16-QAM	17.71	17.71	17.40
15	1	38		17.86	17.73	17.53
15	1	75		18.05	17.56	17.46
15	36	0		16.39	16.55	16.37
15	36	18		16.45	16.51	16.40
15	36	39		16.55	16.40	16.39
15	75	0		16.42	16.39	16.43
20	1	0	QPSK	18.35	18.54	18.18
20	1	49		18.61	18.53	18.39
20	1	99		18.63	18.37	18.38
20	50	0		17.46	17.53	17.30
20	50	24		17.54	17.50	17.42
20	50	49		17.66	17.34	17.36
20	100	0		17.58	17.38	17.30
20	1	0	16-QAM	17.56	17.78	17.55
20	1	49		17.82	17.75	17.76
20	1	99		17.88	17.60	17.74
20	50	0		16.43	16.55	16.31
20	50	24		16.46	16.49	16.43
20	50	49		16.62	16.33	16.39
20	100	0		16.52	16.38	16.28



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.71	23.61	23.58
1.4	1	2		23.73	23.68	23.64
1.4	1	5		23.72	23.61	23.59
1.4	3	0		23.67	23.63	23.56
1.4	3	1		23.69	23.62	23.57
1.4	3	2		23.69	23.62	23.58
1.4	6	0		22.85	22.79	22.80
1.4	1	0	16-QAM	23.14	23.06	22.66
1.4	1	2		23.09	23.03	22.71
1.4	1	5		23.10	23.04	22.69
1.4	3	0		23.09	23.00	22.88
1.4	3	1		23.08	23.02	22.91
1.4	3	2		23.07	22.99	22.91
1.4	6	0		22.05	21.94	21.93
3	1	0	QPSK	23.66	23.66	23.56
3	1	7		23.66	23.69	23.66
3	1	14		23.64	23.62	23.62
3	8	0		22.81	22.78	22.69
3	8	4		22.80	22.82	22.71
3	8	7		22.81	22.75	22.69
3	15	0		22.86	22.78	22.74
3	1	0	16-QAM	23.11	22.76	23.10
3	1	7		23.09	22.72	23.17
3	1	14		23.08	22.65	23.14
3	8	0		21.85	21.79	21.73
3	8	4		21.81	21.78	21.74
3	8	7		21.85	21.73	21.75
3	15	0		21.82	21.82	21.75



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.78	23.72	23.60
5	1	12		23.77	23.67	23.53
5	1	24		23.70	23.67	23.57
5	12	0		22.87	22.75	22.73
5	12	6		22.86	22.79	22.73
5	12	11		22.89	22.74	22.71
5	25	0		22.88	22.84	22.76
5	1	0	16-QAM	23.30	23.32	23.12
5	1	12		23.36	23.24	23.04
5	1	24		23.35	23.21	23.10
5	12	0		21.83	21.72	21.75
5	12	6		21.84	21.73	21.74
5	12	11		21.87	21.70	21.71
5	25	0		21.84	21.82	21.72
10	1	0	QPSK	/	23.81	/
10	1	24		/	23.80	/
10	1	49		/	23.74	/
10	25	0		/	22.74	/
10	25	12		/	22.81	/
10	25	24		/	22.73	/
10	50	0		/	22.75	/
10	1	0	16-QAM	/	23.23	/
10	1	24		/	23.26	/
10	1	49		/	23.17	/
10	25	0		/	21.78	/
10	25	12		/	21.84	/
10	25	24		/	21.75	/
10	50	0		/	21.74	/



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.57	23.70	23.31
1.4	1	2		23.65	23.72	23.35
1.4	1	5		23.60	23.65	23.28
1.4	3	0		23.53	23.63	23.38
1.4	3	1		23.60	23.63	23.35
1.4	3	2		23.56	23.59	23.33
1.4	6	0		22.80	22.82	22.51
1.4	1	0	16-QAM	22.68	23.02	22.80
1.4	1	2		22.71	23.03	22.77
1.4	1	5		22.73	22.96	22.72
1.4	3	0		22.89	23.03	22.75
1.4	3	1		22.91	23.02	22.71
1.4	3	2		22.92	22.96	22.70
1.4	6	0		21.92	22.00	21.67
3	1	0	QPSK	23.65	23.65	23.38
3	1	7		23.70	23.59	23.44
3	1	14		23.68	23.55	23.39
3	8	0		22.75	22.77	22.54
3	8	4		22.76	22.78	22.56
3	8	7		22.74	22.76	22.51
3	15	0		22.74	22.75	22.55
3	1	0	16-QAM	23.16	23.06	22.53
3	1	7		23.19	23.01	22.53
3	1	14		23.30	22.96	22.43
3	8	0		21.80	21.82	21.58
3	8	4		21.77	21.83	21.55
3	8	7		21.78	21.76	21.53
3	15	0		21.79	21.72	21.63



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.59	23.76	23.54
5	1	12		23.66	23.72	23.54
5	1	24		23.66	23.69	23.62
5	12	0		22.86	22.87	22.66
5	12	6		22.82	22.83	22.61
5	12	11		22.82	22.75	22.55
5	25	0		22.82	22.79	22.64
5	1	0	16-QAM	23.12	23.33	23.13
5	1	12		23.22	23.28	23.09
5	1	24		23.21	23.27	23.09
5	12	0		21.88	21.87	21.61
5	12	6		21.85	21.84	21.57
5	12	11		21.83	21.77	21.50
5	25	0		21.80	21.78	21.65
10	1	0	QPSK	23.52	23.80	23.58
10	1	24		23.68	23.77	23.53
10	1	49		23.73	23.60	23.43
10	25	0		22.85	22.89	22.66
10	25	12		22.88	22.79	22.64
10	25	24		22.93	22.86	22.56
10	50	0		22.94	22.86	22.64
10	1	0	16-QAM	22.92	22.91	23.14
10	1	24		23.08	22.78	23.08
10	1	49		23.08	22.65	22.97
10	25	0		21.87	21.91	21.65
10	25	12		21.89	21.81	21.64
10	25	24		22.00	21.85	21.58
10	50	0		21.96	21.83	21.61



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.60	23.65	23.57
15	1	37		23.96	23.69	23.52
15	1	74		23.61	23.46	23.33
15	36	0		22.80	22.86	22.72
15	36	18		22.86	22.81	22.69
15	36	39		22.87	22.70	22.58
15	75	0		22.87	22.79	22.60
15	1	0	16-QAM	22.86	23.29	22.98
15	1	38		23.14	23.25	22.94
15	1	75		22.88	23.03	22.76
15	36	0		21.82	21.88	21.80
15	36	18		21.85	21.82	21.76
15	36	39		21.80	21.81	21.64
15	75	0		21.89	21.77	21.66



LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	19.20	19.63	19.62
5	1	12		19.10	19.62	19.64
5	1	24		19.10	19.65	19.69
5	12	0		18.19	18.59	18.57
5	12	6		18.09	18.58	18.59
5	12	11		18.08	18.58	18.55
5	25	0		18.12	18.64	18.57
5	1	0	16-QAM	18.59	19.31	18.96
5	1	12		18.54	19.26	18.99
5	1	24		18.52	19.30	19.04
5	12	0		17.19	17.62	17.50
5	12	6		17.08	17.55	17.48
5	12	11		17.07	17.60	17.51
5	25	0		17.13	17.57	17.63
10	1	0	QPSK	19.18	19.68	19.63
10	1	24		19.17	19.68	19.61
10	1	49		19.20	19.65	19.65
10	25	0		18.13	18.61	18.57
10	25	12		18.13	18.62	18.57
10	25	24		18.17	18.58	18.57
10	50	0		18.17	18.63	18.57
10	1	0	16-QAM	18.69	18.82	18.55
10	1	24		18.66	18.80	18.57
10	1	49		18.72	18.79	18.60
10	25	0		17.15	17.62	17.57
10	25	12		17.18	17.61	17.53
10	25	24		17.23	17.55	17.55
10	50	0		17.20	17.62	17.60



LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	19.21	19.52	19.62
15	1	37		19.25	19.58	19.62
15	1	74		19.12	19.45	19.63
15	36	0		18.15	18.62	18.58
15	36	18		18.21	18.60	18.55
15	36	39		18.21	18.53	18.57
15	75	0		18.20	18.57	18.58
15	1	0	16-QAM	18.41	19.07	18.76
15	1	38		18.49	19.15	18.77
15	1	75		18.51	18.99	18.71
15	36	0		17.13	17.62	17.62
15	36	18		17.20	17.65	17.65
15	36	39		17.20	17.57	17.61
15	75	0		17.20	17.61	17.59
20	1	0	QPSK	19.15	19.53	19.60
20	1	49		19.40	19.78	19.77
20	1	99		19.29	19.58	19.56
20	50	0		18.23	18.62	18.60
20	50	24		18.29	18.66	18.57
20	50	49		18.31	18.58	18.55
20	100	0		18.25	18.56	18.56
20	1	0	16-QAM	18.35	18.86	18.82
20	1	49		18.49	18.98	18.87
20	1	99		18.47	18.87	18.80
20	50	0		17.20	17.62	17.57
20	50	24		17.27	17.65	17.54
20	50	49		17.31	17.55	17.51
20	100	0		17.27	17.59	17.57



LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	20.27	20.37	20.51
5	1	12		20.39	20.25	20.35
5	1	24		20.28	20.25	20.34
5	12	0		20.23	20.31	20.41
5	12	6		20.26	20.28	20.39
5	12	11		20.24	20.28	20.36
5	25	0		20.31	20.24	20.38
5	1	0	16-QAM	20.11	20.14	20.50
5	1	12		20.12	20.27	20.52
5	1	24		20.29	20.15	20.56
5	12	0		19.81	19.76	19.86
5	12	6		19.79	19.75	19.90
5	12	11		19.87	19.78	19.96
5	25	0		20.35	20.24	20.38
10	1	0	QPSK	20.27	20.41	20.51
10	1	24		20.32	20.30	20.36
10	1	49		20.44	20.26	20.37
10	25	0		20.32	20.33	20.42
10	25	12		20.36	20.33	20.41
10	25	24		20.42	20.27	20.40
10	50	0		20.37	20.28	20.40
10	1	0	16-QAM	20.26	19.94	19.87
10	1	24		20.32	19.98	19.83
10	1	49		20.39	19.90	19.88
10	25	0		19.74	19.79	19.93
10	25	12		19.82	19.84	19.92
10	25	24		19.89	19.76	19.95
10	50	0		20.33	20.33	20.39



LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	20.33	20.38	20.64
15	1	37		20.38	20.50	20.52
15	1	74		20.57	20.33	20.49
15	36	0		20.26	20.27	20.57
15	36	18		20.35	20.31	20.51
15	36	39		20.41	20.26	20.52
15	75	0		20.36	20.27	20.53
15	1	0	16-QAM	20.25	19.89	20.28
15	1	38		20.36	19.98	20.29
15	1	75		20.43	19.88	20.23
15	36	0		19.68	19.73	20.05
15	36	18		19.82	19.83	20.08
15	36	39		19.89	19.70	20.06
15	75	0		20.37	20.26	20.56
20	1	0	QPSK	20.37	20.33	20.68
20	1	49		20.45	20.32	20.66
20	1	99		20.53	20.27	20.58
20	50	0		20.32	20.33	20.65
20	50	24		20.44	20.33	20.61
20	50	49		20.49	20.28	20.56
20	100	0		20.40	20.30	20.59
20	1	0	16-QAM	19.97	19.91	20.29
20	1	49		20.21	20.06	20.33
20	1	99		20.22	19.91	20.27
20	50	0		19.66	19.69	20.10
20	50	24		19.90	19.83	20.14
20	50	49		19.94	19.70	20.09
20	100	0		20.39	20.28	20.57



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	16.66	16.39	16.25
1.4	1	2		16.64	16.44	16.32
1.4	1	5		16.59	16.38	16.29
1.4	3	0		16.48	16.43	16.25
1.4	3	1		16.47	16.43	16.29
1.4	3	2		16.50	16.40	16.29
1.4	6	0		15.49	15.43	15.26
1.4	1	0	16-QAM	15.71	15.57	15.16
1.4	1	2		15.71	15.61	15.19
1.4	1	5		15.71	15.63	15.20
1.4	3	0		15.67	15.64	15.42
1.4	3	1		15.69	15.65	15.42
1.4	3	2		15.68	15.61	15.45
1.4	6	0		14.68	14.57	14.41
3	1	0	QPSK	16.47	16.39	16.32
3	1	7		16.50	16.42	16.34
3	1	14		16.47	16.41	16.35
3	8	0		15.49	15.40	15.30
3	8	4		15.52	15.41	15.26
3	8	7		15.50	15.39	15.27
3	15	0		15.49	15.40	15.28
3	1	0	16-QAM	15.92	15.61	15.20
3	1	7		15.97	15.62	15.22
3	1	14		15.95	15.60	15.17
3	8	0		14.52	14.43	14.29
3	8	4		14.51	14.42	14.24
3	8	7		14.54	14.39	14.24
3	15	0		14.53	14.36	14.41



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	16.54	16.41	16.30
5	1	12		16.52	16.44	16.33
5	1	24		16.58	16.45	16.37
5	12	0		15.54	15.43	15.30
5	12	6		15.51	15.45	15.30
5	12	11		15.56	15.39	15.26
5	25	0		15.54	15.41	15.32
5	1	0	16-QAM	15.85	15.75	15.86
5	1	12		15.86	15.77	15.83
5	1	24		15.90	15.79	15.87
5	12	0		14.47	14.42	14.27
5	12	6		14.45	14.44	14.29
5	12	11		14.46	14.41	14.24
5	25	0		14.55	14.39	14.27
10	1	0	QPSK	16.48	16.41	16.24
10	1	24		16.53	16.47	16.33
10	1	49		16.49	16.47	16.36
10	25	0		15.48	15.41	15.20
10	25	12		15.51	15.42	15.24
10	25	24		15.52	15.47	15.33
10	50	0		15.55	15.48	15.27
10	1	0	16-QAM	15.93	15.53	15.11
10	1	24		15.97	15.57	15.18
10	1	49		15.93	15.59	15.21
10	25	0		14.51	14.34	14.23
10	25	12		14.54	14.43	14.25
10	25	24		14.53	14.45	14.30
10	50	0		14.51	14.46	14.25



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	16.46	16.29	16.19
15	1	37		16.52	16.41	16.27
15	1	74		16.43	16.33	16.25
15	36	0		15.47	15.37	15.19
15	36	18		15.47	15.39	15.28
15	36	39		15.45	15.43	15.28
15	75	0		15.46	15.40	15.29
15	1	0	16-QAM	15.58	15.77	15.33
15	1	38		15.65	15.88	15.45
15	1	75		15.52	15.79	15.44
15	36	0		14.40	14.38	14.23
15	36	18		14.44	14.46	14.33
15	36	39		14.43	14.47	14.38
15	75	0		14.48	14.42	14.28
20	1	0	QPSK	16.48	16.32	16.16
20	1	49		16.67	16.58	16.32
20	1	99		16.46	16.38	16.32
20	50	0		15.46	15.38	15.32
20	50	24		15.48	15.47	15.22
20	50	49		15.44	15.46	15.37
20	100	0		15.46	15.40	15.30
20	1	0	16-QAM	15.70	15.56	15.48
20	1	49		15.77	15.70	15.57
20	1	99		15.65	15.61	15.56
20	50	0		14.43	14.38	14.35
20	50	24		14.44	14.49	14.27
20	50	49		14.40	14.48	14.41
20	100	0		14.45	14.40	14.29



LTE Band 70 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.97	23.84	23.83
5	1	12		23.90	23.74	23.83
5	1	24		24.04	23.71	23.93
5	12	0		22.64	22.66	22.74
5	12	6		22.79	22.72	22.76
5	12	11		22.94	22.66	22.84
5	25	0		22.88	22.67	22.80
5	1	0	16-QAM	23.29	23.23	23.33
5	1	12		23.21	23.07	23.30
5	1	24		23.35	23.06	23.41
5	12	0		21.63	21.68	21.69
5	12	6		21.77	21.73	21.72
5	12	11		21.86	21.67	21.82
5	25	0		21.88	21.65	21.76
10	1	0	QPSK	23.92	23.96	23.69
10	1	24		23.92	23.80	23.80
10	1	49		24.09	23.70	23.82
10	25	0		22.56	22.65	22.78
10	25	12		22.85	22.75	22.77
10	25	24		22.81	22.69	22.89
10	50	0		22.73	22.70	22.86
10	1	0	16-QAM	23.02	22.84	23.07
10	1	24		23.06	22.63	23.21
10	1	49		23.25	22.56	23.25
10	25	0		21.59	21.65	21.76
10	25	12		21.89	21.74	21.78
10	25	24		21.80	21.67	21.90
10	50	0		21.71	21.65	21.86



LTE Band 70 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.73	23.91	23.62
15	1	37		24.01	23.71	23.72
15	1	74		23.86	23.67	23.83
15	36	0		22.71	22.70	22.65
15	36	18		22.95	22.69	22.63
15	36	39		23.04	22.57	22.83
15	75	0		22.93	22.62	22.78
15	1	0	16-QAM	23.22	23.08	22.70
15	1	38		23.43	22.93	22.83
15	1	75		23.34	22.78	22.95
15	36	0		21.76	21.72	21.65
15	36	18		21.97	21.75	21.62
15	36	39		22.05	21.67	21.77
15	75	0		21.91	21.57	21.77
20	1	0	QPSK	23.76	24.00	23.68
20	1	49		24.15	23.75	23.73
20	1	99		23.62	23.71	23.92
20	50	0		22.92	22.62	22.72
20	50	24		23.06	22.74	22.68
20	50	49		23.28	22.50	22.79
20	100	0		23.08	22.55	22.73
20	1	0	16-QAM	23.01	23.27	22.89
20	1	49		23.29	23.13	22.94
20	1	99		22.93	23.06	23.04
20	50	0		21.92	21.62	21.66
20	50	24		22.07	21.77	21.62
20	50	49		22.29	21.52	21.75
20	100	0		22.10	21.55	21.72



NR SA

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)
n2	15	5	370500	25@0	DFT_BPSK	19.71
n2	15	5	370500	12@6	DFT_BPSK	20.05
n2	15	5	370500	1@1	DFT_BPSK	19.98
n2	15	5	370500	1@23	DFT_BPSK	19.96
n2	15	5	370500	25@0	DFT_QPSK	19.19
n2	15	5	370500	12@6	DFT_QPSK	20.04
n2	15	5	370500	1@1	DFT_QPSK	19.99
n2	15	5	370500	1@23	DFT_QPSK	20.05
n2	15	5	370500	25@0	DFT_16QAM	18.16
n2	15	5	370500	12@6	DFT_16QAM	19.22
n2	15	5	370500	1@1	DFT_16QAM	19.23
n2	15	5	370500	1@23	DFT_16QAM	19.36
n2	15	5	370500	25@0	DFT_64QAM	17.7
n2	15	5	370500	12@6	DFT_64QAM	17.66
n2	15	5	370500	1@1	DFT_64QAM	17.7
n2	15	5	370500	1@23	DFT_64QAM	17.78
n2	15	5	370500	25@0	DFT_256QAM	15.66
n2	15	5	370500	12@6	DFT_256QAM	15.61
n2	15	5	370500	1@1	DFT_256QAM	15.51
n2	15	5	370500	1@23	DFT_256QAM	15.61
n2	15	5	370500	25@0	CP_QPSK	17.11
n2	15	5	370500	13@6	CP_QPSK	18.69
n2	15	5	370500	1@1	CP_QPSK	18.49
n2	15	5	370500	1@23	CP_QPSK	18.57
n2	15	5	376000	25@0	DFT_BPSK	19.61
n2	15	5	376000	12@6	DFT_BPSK	19.97
n2	15	5	376000	1@1	DFT_BPSK	19.9
n2	15	5	376000	1@23	DFT_BPSK	19.86
n2	15	5	376000	25@0	DFT_QPSK	19.12
n2	15	5	376000	12@6	DFT_QPSK	19.98
n2	15	5	376000	1@1	DFT_QPSK	19.88
n2	15	5	376000	1@23	DFT_QPSK	19.92
n2	15	5	376000	25@0	DFT_16QAM	18.09
n2	15	5	376000	12@6	DFT_16QAM	19.19
n2	15	5	376000	1@1	DFT_16QAM	19.22
n2	15	5	376000	1@23	DFT_16QAM	19.26
n2	15	5	376000	25@0	DFT_64QAM	17.63
n2	15	5	376000	12@6	DFT_64QAM	17.62
n2	15	5	376000	1@1	DFT_64QAM	17.68
n2	15	5	376000	1@23	DFT_64QAM	17.67
n2	15	5	376000	25@0	DFT_256QAM	15.6
n2	15	5	376000	12@6	DFT_256QAM	15.58
n2	15	5	376000	1@1	DFT_256QAM	15.48
n2	15	5	376000	1@23	DFT_256QAM	15.47
n2	15	5	376000	25@0	CP_QPSK	17.06
n2	15	5	376000	13@6	CP_QPSK	18.63



n2	15	5	376000	1@1	CP_QPSK	18.45
n2	15	5	376000	1@23	CP_QPSK	18.49
n2	15	5	381500	25@0	DFT_BPSK	19.72
n2	15	5	381500	12@6	DFT_BPSK	20.1
n2	15	5	381500	1@1	DFT_BPSK	19.92
n2	15	5	381500	1@23	DFT_BPSK	19.96
n2	15	5	381500	25@0	DFT_QPSK	19.25
n2	15	5	381500	12@6	DFT_QPSK	20.1
n2	15	5	381500	1@1	DFT_QPSK	19.93
n2	15	5	381500	1@23	DFT_QPSK	20.04
n2	15	5	381500	25@0	DFT_16QAM	18.24
n2	15	5	381500	12@6	DFT_16QAM	19.28
n2	15	5	381500	1@1	DFT_16QAM	19.29
n2	15	5	381500	1@23	DFT_16QAM	19.37
n2	15	5	381500	25@0	DFT_64QAM	17.77
n2	15	5	381500	12@6	DFT_64QAM	17.74
n2	15	5	381500	1@1	DFT_64QAM	17.73
n2	15	5	381500	1@23	DFT_64QAM	17.84
n2	15	5	381500	25@0	DFT_256QAM	15.69
n2	15	5	381500	12@6	DFT_256QAM	15.63
n2	15	5	381500	1@1	DFT_256QAM	15.52
n2	15	5	381500	1@23	DFT_256QAM	15.67
n2	15	5	381500	25@0	CP_QPSK	17.21
n2	15	5	381500	13@6	CP_QPSK	18.75
n2	15	5	381500	1@1	CP_QPSK	18.54
n2	15	5	381500	1@23	CP_QPSK	18.63
n2	15	10	371000	50@0	DFT_BPSK	19.5
n2	15	10	371000	25@12	DFT_BPSK	19.92
n2	15	10	371000	1@1	DFT_BPSK	19.73
n2	15	10	371000	1@50	DFT_BPSK	20.03
n2	15	10	371000	50@0	DFT_QPSK	19.02
n2	15	10	371000	25@12	DFT_QPSK	19.92
n2	15	10	371000	1@1	DFT_QPSK	19.69
n2	15	10	371000	1@50	DFT_QPSK	20.01
n2	15	10	371000	50@0	DFT_16QAM	17.98
n2	15	10	371000	25@12	DFT_16QAM	19.09
n2	15	10	371000	1@1	DFT_16QAM	19.01
n2	15	10	371000	1@50	DFT_16QAM	19.16
n2	15	10	371000	50@0	DFT_64QAM	17.58
n2	15	10	371000	25@12	DFT_64QAM	17.6
n2	15	10	371000	1@1	DFT_64QAM	17.49
n2	15	10	371000	1@50	DFT_64QAM	17.64
n2	15	10	371000	50@0	DFT_256QAM	15.46
n2	15	10	371000	25@12	DFT_256QAM	15.53
n2	15	10	371000	1@1	DFT_256QAM	15.32
n2	15	10	371000	1@50	DFT_256QAM	15.5
n2	15	10	371000	52@0	CP_QPSK	16.98
n2	15	10	371000	26@13	CP_QPSK	18.58



n2	15	10	371000	1@1	CP_QPSK	18.32
n2	15	10	371000	1@50	CP_QPSK	18.48
n2	15	10	376000	50@0	DFT_BPSK	19.51
n2	15	10	376000	25@12	DFT_BPSK	19.82
n2	15	10	376000	1@1	DFT_BPSK	19.75
n2	15	10	376000	1@50	DFT_BPSK	19.72
n2	15	10	376000	50@0	DFT_QPSK	19.05
n2	15	10	376000	25@12	DFT_QPSK	19.83
n2	15	10	376000	1@1	DFT_QPSK	19.77
n2	15	10	376000	1@50	DFT_QPSK	19.84
n2	15	10	376000	50@0	DFT_16QAM	17.96
n2	15	10	376000	25@12	DFT_16QAM	18.93
n2	15	10	376000	1@1	DFT_16QAM	19.08
n2	15	10	376000	1@50	DFT_16QAM	19.08
n2	15	10	376000	50@0	DFT_64QAM	17.59
n2	15	10	376000	25@12	DFT_64QAM	17.51
n2	15	10	376000	1@1	DFT_64QAM	17.58
n2	15	10	376000	1@50	DFT_64QAM	17.56
n2	15	10	376000	50@0	DFT_256QAM	15.47
n2	15	10	376000	25@12	DFT_256QAM	15.44
n2	15	10	376000	1@1	DFT_256QAM	15.44
n2	15	10	376000	1@50	DFT_256QAM	15.38
n2	15	10	376000	52@0	CP_QPSK	16.95
n2	15	10	376000	26@13	CP_QPSK	18.46
n2	15	10	376000	1@1	CP_QPSK	18.37
n2	15	10	376000	1@50	CP_QPSK	18.37
n2	15	10	381000	50@0	DFT_BPSK	19.54
n2	15	10	381000	25@12	DFT_BPSK	19.88
n2	15	10	381000	1@1	DFT_BPSK	19.66
n2	15	10	381000	1@50	DFT_BPSK	19.88
n2	15	10	381000	50@0	DFT_QPSK	19.06
n2	15	10	381000	25@12	DFT_QPSK	19.91
n2	15	10	381000	1@1	DFT_QPSK	19.79
n2	15	10	381000	1@50	DFT_QPSK	20
n2	15	10	381000	50@0	DFT_16QAM	17.96
n2	15	10	381000	25@12	DFT_16QAM	19.02
n2	15	10	381000	1@1	DFT_16QAM	19.08
n2	15	10	381000	1@50	DFT_16QAM	19.22
n2	15	10	381000	50@0	DFT_64QAM	17.59
n2	15	10	381000	25@12	DFT_64QAM	17.58
n2	15	10	381000	1@1	DFT_64QAM	17.56
n2	15	10	381000	1@50	DFT_64QAM	17.68
n2	15	10	381000	50@0	DFT_256QAM	15.46
n2	15	10	381000	25@12	DFT_256QAM	15.51
n2	15	10	381000	1@1	DFT_256QAM	15.38
n2	15	10	381000	1@50	DFT_256QAM	15.54
n2	15	10	381000	52@0	CP_QPSK	17
n2	15	10	381000	26@13	CP_QPSK	18.53



n2	15	10	381000	1@1	CP_QPSK	18.31
n2	15	10	381000	1@50	CP_QPSK	18.52
n2	15	15	371500	75@0	DFT_BPSK	19.74
n2	15	15	371500	36@18	DFT_BPSK	20.08
n2	15	15	371500	1@1	DFT_BPSK	19.84
n2	15	15	371500	1@77	DFT_BPSK	20.07
n2	15	15	371500	75@0	DFT_QPSK	19.3
n2	15	15	371500	36@18	DFT_QPSK	20.14
n2	15	15	371500	1@1	DFT_QPSK	19.9
n2	15	15	371500	1@77	DFT_QPSK	20.11
n2	15	15	371500	75@0	DFT_16QAM	18.27
n2	15	15	371500	36@18	DFT_16QAM	19.35
n2	15	15	371500	1@1	DFT_16QAM	19.22
n2	15	15	371500	1@77	DFT_16QAM	19.44
n2	15	15	371500	75@0	DFT_64QAM	17.69
n2	15	15	371500	36@18	DFT_64QAM	17.75
n2	15	15	371500	1@1	DFT_64QAM	17.66
n2	15	15	371500	1@77	DFT_64QAM	17.81
n2	15	15	371500	75@0	DFT_256QAM	15.71
n2	15	15	371500	36@18	DFT_256QAM	15.75
n2	15	15	371500	1@1	DFT_256QAM	15.44
n2	15	15	371500	1@77	DFT_256QAM	15.67
n2	15	15	371500	79@0	CP_QPSK	17.25
n2	15	15	371500	39@19	CP_QPSK	18.73
n2	15	15	371500	1@1	CP_QPSK	18.45
n2	15	15	371500	1@77	CP_QPSK	18.65
n2	15	15	376000	75@0	DFT_BPSK	19.77
n2	15	15	376000	36@18	DFT_BPSK	20.05
n2	15	15	376000	1@1	DFT_BPSK	19.88
n2	15	15	376000	1@77	DFT_BPSK	20
n2	15	15	376000	75@0	DFT_QPSK	19.24
n2	15	15	376000	36@18	DFT_QPSK	20.06
n2	15	15	376000	1@1	DFT_QPSK	19.92
n2	15	15	376000	1@77	DFT_QPSK	20.03
n2	15	15	376000	75@0	DFT_16QAM	18.24
n2	15	15	376000	36@18	DFT_16QAM	19.26
n2	15	15	376000	1@1	DFT_16QAM	19.28
n2	15	15	376000	1@77	DFT_16QAM	19.35
n2	15	15	376000	75@0	DFT_64QAM	17.66
n2	15	15	376000	36@18	DFT_64QAM	17.59
n2	15	15	376000	1@1	DFT_64QAM	17.67
n2	15	15	376000	1@77	DFT_64QAM	17.75
n2	15	15	376000	75@0	DFT_256QAM	15.67
n2	15	15	376000	36@18	DFT_256QAM	15.65
n2	15	15	376000	1@1	DFT_256QAM	15.53
n2	15	15	376000	1@77	DFT_256QAM	15.5
n2	15	15	376000	79@0	CP_QPSK	17.23
n2	15	15	376000	39@19	CP_QPSK	18.66



n2	15	15	376000	1@1	CP_QPSK	18.49
n2	15	15	376000	1@77	CP_QPSK	18.55
n2	15	15	380500	75@0	DFT_BPSK	19.72
n2	15	15	380500	36@18	DFT_BPSK	20.12
n2	15	15	380500	1@1	DFT_BPSK	19.86
n2	15	15	380500	1@77	DFT_BPSK	20.09
n2	15	15	380500	75@0	DFT_QPSK	19.21
n2	15	15	380500	36@18	DFT_QPSK	20.14
n2	15	15	380500	1@1	DFT_QPSK	19.91
n2	15	15	380500	1@77	DFT_QPSK	20.15
n2	15	15	380500	75@0	DFT_16QAM	18.23
n2	15	15	380500	36@18	DFT_16QAM	19.34
n2	15	15	380500	1@1	DFT_16QAM	19.22
n2	15	15	380500	1@77	DFT_16QAM	19.43
n2	15	15	380500	75@0	DFT_64QAM	17.65
n2	15	15	380500	36@18	DFT_64QAM	17.69
n2	15	15	380500	1@1	DFT_64QAM	17.62
n2	15	15	380500	1@77	DFT_64QAM	17.88
n2	15	15	380500	75@0	DFT_256QAM	15.66
n2	15	15	380500	36@18	DFT_256QAM	15.7
n2	15	15	380500	1@1	DFT_256QAM	15.44
n2	15	15	380500	1@77	DFT_256QAM	15.67
n2	15	15	380500	79@0	CP_QPSK	17.19
n2	15	15	380500	39@19	CP_QPSK	18.73
n2	15	15	380500	1@1	CP_QPSK	18.49
n2	15	15	380500	1@77	CP_QPSK	18.68
n2	15	20	372000	100@0	DFT_BPSK	19.79
n2	15	20	372000	50@25	DFT_BPSK	20.22
n2	15	20	372000	1@1	DFT_BPSK	19.77
n2	15	20	372000	1@104	DFT_BPSK	20.12
n2	15	20	372000	100@0	DFT_QPSK	19.34
n2	15	20	372000	50@25	DFT_QPSK	20.23
n2	15	20	372000	1@1	DFT_QPSK	19.96
n2	15	20	372000	1@104	DFT_QPSK	20.06
n2	15	20	372000	100@0	DFT_16QAM	18.33
n2	15	20	372000	50@25	DFT_16QAM	19.35
n2	15	20	372000	1@1	DFT_16QAM	19.16
n2	15	20	372000	1@104	DFT_16QAM	19.4
n2	15	20	372000	100@0	DFT_64QAM	17.8
n2	15	20	372000	50@25	DFT_64QAM	17.89
n2	15	20	372000	1@1	DFT_64QAM	17.65
n2	15	20	372000	1@104	DFT_64QAM	17.88
n2	15	20	372000	100@0	DFT_256QAM	15.76
n2	15	20	372000	50@25	DFT_256QAM	15.81
n2	15	20	372000	1@1	DFT_256QAM	15.49
n2	15	20	372000	1@104	DFT_256QAM	15.67
n2	15	20	372000	106@0	CP_QPSK	17.29
n2	15	20	372000	53@26	CP_QPSK	18.81



n2	15	20	372000	1@1	CP_QPSK	18.46
n2	15	20	372000	1@104	CP_QPSK	18.64
n2	15	20	376000	100@0	DFT_BPSK	19.75
n2	15	20	376000	50@25	DFT_BPSK	20.08
n2	15	20	376000	1@1	DFT_BPSK	19.9
n2	15	20	376000	1@104	DFT_BPSK	19.93
n2	15	20	376000	100@0	DFT_QPSK	19.3
n2	15	20	376000	50@25	DFT_QPSK	20.11
n2	15	20	376000	1@1	DFT_QPSK	19.98
n2	15	20	376000	1@104	DFT_QPSK	20.07
n2	15	20	376000	100@0	DFT_16QAM	18.27
n2	15	20	376000	50@25	DFT_16QAM	19.19
n2	15	20	376000	1@1	DFT_16QAM	19.33
n2	15	20	376000	1@104	DFT_16QAM	19.31
n2	15	20	376000	100@0	DFT_64QAM	17.77
n2	15	20	376000	50@25	DFT_64QAM	17.84
n2	15	20	376000	1@1	DFT_64QAM	17.7
n2	15	20	376000	1@104	DFT_64QAM	17.72
n2	15	20	376000	100@0	DFT_256QAM	15.72
n2	15	20	376000	50@25	DFT_256QAM	15.74
n2	15	20	376000	1@1	DFT_256QAM	15.58
n2	15	20	376000	1@104	DFT_256QAM	15.61
n2	15	20	376000	106@0	CP_QPSK	17.2
n2	15	20	376000	53@26	CP_QPSK	18.74
n2	15	20	376000	1@1	CP_QPSK	18.49
n2	15	20	376000	1@104	CP_QPSK	18.56
n2	15	20	380000	100@0	DFT_BPSK	19.63
n2	15	20	380000	50@25	DFT_BPSK	20.1
n2	15	20	380000	1@1	DFT_BPSK	19.85
n2	15	20	380000	1@104	DFT_BPSK	20.2
n2	15	20	380000	100@0	DFT_QPSK	19.18
n2	15	20	380000	50@25	DFT_QPSK	20.11
n2	15	20	380000	1@1	DFT_QPSK	19.93
n2	15	20	380000	1@104	DFT_QPSK	20.14
n2	15	20	380000	100@0	DFT_16QAM	18.17
n2	15	20	380000	50@25	DFT_16QAM	19.26
n2	15	20	380000	1@1	DFT_16QAM	19.18
n2	15	20	380000	1@104	DFT_16QAM	19.43
n2	15	20	380000	100@0	DFT_64QAM	17.67
n2	15	20	380000	50@25	DFT_64QAM	17.8
n2	15	20	380000	1@1	DFT_64QAM	17.67
n2	15	20	380000	1@104	DFT_64QAM	17.89
n2	15	20	380000	100@0	DFT_256QAM	15.62
n2	15	20	380000	50@25	DFT_256QAM	15.75
n2	15	20	380000	1@1	DFT_256QAM	15.53
n2	15	20	380000	1@104	DFT_256QAM	15.75
n2	15	20	380000	106@0	CP_QPSK	17.08
n2	15	20	380000	53@26	CP_QPSK	18.73



n2	15	20	380000	1@1	CP_QPSK	18.49
n2	15	20	380000	1@104	CP_QPSK	18.72

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)
n5	15	5	165300	25@0	DFT_BPSK	22.39
n5	15	5	165300	12@6	DFT_BPSK	22.88
n5	15	5	165300	1@1	DFT_BPSK	22.73
n5	15	5	165300	1@23	DFT_BPSK	22.83
n5	15	5	165300	25@0	DFT_QPSK	22.05
n5	15	5	165300	12@6	DFT_QPSK	22.92
n5	15	5	165300	1@1	DFT_QPSK	22.71
n5	15	5	165300	1@23	DFT_QPSK	22.77
n5	15	5	165300	25@0	DFT_16QAM	21.1
n5	15	5	165300	12@6	DFT_16QAM	22.08
n5	15	5	165300	1@1	DFT_16QAM	21.97
n5	15	5	165300	1@23	DFT_16QAM	22.06
n5	15	5	165300	25@0	DFT_64QAM	20.62
n5	15	5	165300	12@6	DFT_64QAM	20.57
n5	15	5	165300	1@1	DFT_64QAM	20.51
n5	15	5	165300	1@23	DFT_64QAM	20.64
n5	15	5	165300	25@0	DFT_256QAM	18.5
n5	15	5	165300	12@6	DFT_256QAM	18.58
n5	15	5	165300	1@1	DFT_256QAM	18.39
n5	15	5	165300	1@23	DFT_256QAM	18.53
n5	15	5	165300	25@0	CP_QPSK	20.05
n5	15	5	165300	13@6	CP_QPSK	21.55
n5	15	5	165300	1@1	CP_QPSK	21.36
n5	15	5	165300	1@23	CP_QPSK	21.53
n5	15	5	167300	25@0	DFT_BPSK	22.32
n5	15	5	167300	12@6	DFT_BPSK	22.78
n5	15	5	167300	1@1	DFT_BPSK	22.77
n5	15	5	167300	1@23	DFT_BPSK	22.68
n5	15	5	167300	25@0	DFT_QPSK	22.02
n5	15	5	167300	12@6	DFT_QPSK	22.87
n5	15	5	167300	1@1	DFT_QPSK	22.73
n5	15	5	167300	1@23	DFT_QPSK	22.67
n5	15	5	167300	25@0	DFT_16QAM	21.01
n5	15	5	167300	12@6	DFT_16QAM	22.02
n5	15	5	167300	1@1	DFT_16QAM	21.96
n5	15	5	167300	1@23	DFT_16QAM	21.93
n5	15	5	167300	25@0	DFT_64QAM	20.49
n5	15	5	167300	12@6	DFT_64QAM	20.45
n5	15	5	167300	1@1	DFT_64QAM	20.56
n5	15	5	167300	1@23	DFT_64QAM	20.48
n5	15	5	167300	25@0	DFT_256QAM	18.41
n5	15	5	167300	12@6	DFT_256QAM	18.46
n5	15	5	167300	1@1	DFT_256QAM	18.43
n5	15	5	167300	1@23	DFT_256QAM	18.33



n5	15	5	167300	25@0	CP_QPSK	19.98
n5	15	5	167300	13@6	CP_QPSK	21.51
n5	15	5	167300	1@1	CP_QPSK	21.49
n5	15	5	167300	1@23	CP_QPSK	21.35
n5	15	5	169300	25@0	DFT_BPSK	22.04
n5	15	5	169300	12@6	DFT_BPSK	22.57
n5	15	5	169300	1@1	DFT_BPSK	22.53
n5	15	5	169300	1@23	DFT_BPSK	22.47
n5	15	5	169300	25@0	DFT_QPSK	21.75
n5	15	5	169300	12@6	DFT_QPSK	22.61
n5	15	5	169300	1@1	DFT_QPSK	22.54
n5	15	5	169300	1@23	DFT_QPSK	22.42
n5	15	5	169300	25@0	DFT_16QAM	20.77
n5	15	5	169300	12@6	DFT_16QAM	21.76
n5	15	5	169300	1@1	DFT_16QAM	21.83
n5	15	5	169300	1@23	DFT_16QAM	21.88
n5	15	5	169300	25@0	DFT_64QAM	20.28
n5	15	5	169300	12@6	DFT_64QAM	20.25
n5	15	5	169300	1@1	DFT_64QAM	20.33
n5	15	5	169300	1@23	DFT_64QAM	20.35
n5	15	5	169300	25@0	DFT_256QAM	18.16
n5	15	5	169300	12@6	DFT_256QAM	18.23
n5	15	5	169300	1@1	DFT_256QAM	18.2
n5	15	5	169300	1@23	DFT_256QAM	18.22
n5	15	5	169300	25@0	CP_QPSK	19.71
n5	15	5	169300	13@6	CP_QPSK	21.24
n5	15	5	169300	1@1	CP_QPSK	21.24
n5	15	5	169300	1@23	CP_QPSK	21.15
n5	15	10	165800	50@0	DFT_BPSK	22.29
n5	15	10	165800	25@12	DFT_BPSK	22.81
n5	15	10	165800	1@1	DFT_BPSK	22.55
n5	15	10	165800	1@50	DFT_BPSK	22.66
n5	15	10	165800	50@0	DFT_QPSK	21.97
n5	15	10	165800	25@12	DFT_QPSK	22.82
n5	15	10	165800	1@1	DFT_QPSK	22.55
n5	15	10	165800	1@50	DFT_QPSK	22.67
n5	15	10	165800	50@0	DFT_16QAM	20.97
n5	15	10	165800	25@12	DFT_16QAM	22
n5	15	10	165800	1@1	DFT_16QAM	21.76
n5	15	10	165800	1@50	DFT_16QAM	21.86
n5	15	10	165800	50@0	DFT_64QAM	20.44
n5	15	10	165800	25@12	DFT_64QAM	20.51
n5	15	10	165800	1@1	DFT_64QAM	20.31
n5	15	10	165800	1@50	DFT_64QAM	20.44
n5	15	10	165800	50@0	DFT_256QAM	18.46
n5	15	10	165800	25@12	DFT_256QAM	18.35
n5	15	10	165800	1@1	DFT_256QAM	18.2
n5	15	10	165800	1@50	DFT_256QAM	18.37



n5	15	10	165800	52@0	CP_QPSK	19.93
n5	15	10	165800	26@13	CP_QPSK	21.4
n5	15	10	165800	1@1	CP_QPSK	21.23
n5	15	10	165800	1@50	CP_QPSK	21.38
n5	15	10	167300	50@0	DFT_BPSK	22.09
n5	15	10	167300	25@12	DFT_BPSK	22.66
n5	15	10	167300	1@1	DFT_BPSK	22.6
n5	15	10	167300	1@50	DFT_BPSK	22.4
n5	15	10	167300	50@0	DFT_QPSK	21.78
n5	15	10	167300	25@12	DFT_QPSK	22.68
n5	15	10	167300	1@1	DFT_QPSK	22.58
n5	15	10	167300	1@50	DFT_QPSK	22.44
n5	15	10	167300	50@0	DFT_16QAM	20.78
n5	15	10	167300	25@12	DFT_16QAM	21.84
n5	15	10	167300	1@1	DFT_16QAM	21.83
n5	15	10	167300	1@50	DFT_16QAM	21.71
n5	15	10	167300	50@0	DFT_64QAM	20.24
n5	15	10	167300	25@12	DFT_64QAM	20.32
n5	15	10	167300	1@1	DFT_64QAM	20.35
n5	15	10	167300	1@50	DFT_64QAM	20.23
n5	15	10	167300	50@0	DFT_256QAM	18.3
n5	15	10	167300	25@12	DFT_256QAM	18.21
n5	15	10	167300	1@1	DFT_256QAM	18.26
n5	15	10	167300	1@50	DFT_256QAM	18.12
n5	15	10	167300	52@0	CP_QPSK	19.73
n5	15	10	167300	26@13	CP_QPSK	21.22
n5	15	10	167300	1@1	CP_QPSK	21.33
n5	15	10	167300	1@50	CP_QPSK	21.09
n5	15	10	168800	50@0	DFT_BPSK	21.99
n5	15	10	168800	25@12	DFT_BPSK	22.48
n5	15	10	168800	1@1	DFT_BPSK	22.41
n5	15	10	168800	1@50	DFT_BPSK	22.31
n5	15	10	168800	50@0	DFT_QPSK	21.7
n5	15	10	168800	25@12	DFT_QPSK	22.55
n5	15	10	168800	1@1	DFT_QPSK	22.42
n5	15	10	168800	1@50	DFT_QPSK	22.32
n5	15	10	168800	50@0	DFT_16QAM	20.71
n5	15	10	168800	25@12	DFT_16QAM	21.76
n5	15	10	168800	1@1	DFT_16QAM	21.73
n5	15	10	168800	1@50	DFT_16QAM	21.72
n5	15	10	168800	50@0	DFT_64QAM	20.17
n5	15	10	168800	25@12	DFT_64QAM	20.27
n5	15	10	168800	1@1	DFT_64QAM	20.21
n5	15	10	168800	1@50	DFT_64QAM	20.13
n5	15	10	168800	50@0	DFT_256QAM	18.23
n5	15	10	168800	25@12	DFT_256QAM	18.11
n5	15	10	168800	1@1	DFT_256QAM	18.08
n5	15	10	168800	1@50	DFT_256QAM	18.03



n5	15	10	168800	52@0	CP_QPSK	19.65
n5	15	10	168800	26@13	CP_QPSK	21.13
n5	15	10	168800	1@1	CP_QPSK	21.14
n5	15	10	168800	1@50	CP_QPSK	20.99
n5	15	15	166300	75@0	DFT_BPSK	22.52
n5	15	15	166300	36@18	DFT_BPSK	22.92
n5	15	15	166300	1@1	DFT_BPSK	22.65
n5	15	15	166300	1@77	DFT_BPSK	22.61
n5	15	15	166300	75@0	DFT_QPSK	22.12
n5	15	15	166300	36@18	DFT_QPSK	22.95
n5	15	15	166300	1@1	DFT_QPSK	22.68
n5	15	15	166300	1@77	DFT_QPSK	22.61
n5	15	15	166300	75@0	DFT_16QAM	21.16
n5	15	15	166300	36@18	DFT_16QAM	22.05
n5	15	15	166300	1@1	DFT_16QAM	21.91
n5	15	15	166300	1@77	DFT_16QAM	21.91
n5	15	15	166300	75@0	DFT_64QAM	20.64
n5	15	15	166300	36@18	DFT_64QAM	20.59
n5	15	15	166300	1@1	DFT_64QAM	20.42
n5	15	15	166300	1@77	DFT_64QAM	20.48
n5	15	15	166300	75@0	DFT_256QAM	18.62
n5	15	15	166300	36@18	DFT_256QAM	18.55
n5	15	15	166300	1@1	DFT_256QAM	18.36
n5	15	15	166300	1@77	DFT_256QAM	18.31
n5	15	15	166300	79@0	CP_QPSK	20.13
n5	15	15	166300	39@19	CP_QPSK	21.57
n5	15	15	166300	1@1	CP_QPSK	21.32
n5	15	15	166300	1@77	CP_QPSK	21.29
n5	15	15	167300	75@0	DFT_BPSK	22.25
n5	15	15	167300	36@18	DFT_BPSK	22.82
n5	15	15	167300	1@1	DFT_BPSK	22.7
n5	15	15	167300	1@77	DFT_BPSK	22.61
n5	15	15	167300	75@0	DFT_QPSK	21.92
n5	15	15	167300	36@18	DFT_QPSK	22.79
n5	15	15	167300	1@1	DFT_QPSK	22.69
n5	15	15	167300	1@77	DFT_QPSK	22.59
n5	15	15	167300	75@0	DFT_16QAM	20.9
n5	15	15	167300	36@18	DFT_16QAM	21.98
n5	15	15	167300	1@1	DFT_16QAM	21.91
n5	15	15	167300	1@77	DFT_16QAM	21.85
n5	15	15	167300	75@0	DFT_64QAM	20.45
n5	15	15	167300	36@18	DFT_64QAM	20.44
n5	15	15	167300	1@1	DFT_64QAM	20.49
n5	15	15	167300	1@77	DFT_64QAM	20.44
n5	15	15	167300	75@0	DFT_256QAM	18.39
n5	15	15	167300	36@18	DFT_256QAM	18.44
n5	15	15	167300	1@1	DFT_256QAM	18.32
n5	15	15	167300	1@77	DFT_256QAM	18.28



n5	15	15	167300	79@0	CP_QPSK	19.94
n5	15	15	167300	39@19	CP_QPSK	21.4
n5	15	15	167300	1@1	CP_QPSK	21.37
n5	15	15	167300	1@77	CP_QPSK	21.32
n5	15	15	168300	75@0	DFT_BPSK	22.26
n5	15	15	168300	36@18	DFT_BPSK	22.71
n5	15	15	168300	1@1	DFT_BPSK	22.64
n5	15	15	168300	1@77	DFT_BPSK	22.39
n5	15	15	168300	75@0	DFT_QPSK	21.9
n5	15	15	168300	36@18	DFT_QPSK	22.76
n5	15	15	168300	1@1	DFT_QPSK	22.64
n5	15	15	168300	1@77	DFT_QPSK	22.43
n5	15	15	168300	75@0	DFT_16QAM	20.93
n5	15	15	168300	36@18	DFT_16QAM	21.87
n5	15	15	168300	1@1	DFT_16QAM	21.89
n5	15	15	168300	1@77	DFT_16QAM	21.87
n5	15	15	168300	75@0	DFT_64QAM	20.41
n5	15	15	168300	36@18	DFT_64QAM	20.37
n5	15	15	168300	1@1	DFT_64QAM	20.45
n5	15	15	168300	1@77	DFT_64QAM	20.27
n5	15	15	168300	75@0	DFT_256QAM	18.37
n5	15	15	168300	36@18	DFT_256QAM	18.35
n5	15	15	168300	1@1	DFT_256QAM	18.3
n5	15	15	168300	1@77	DFT_256QAM	18.13
n5	15	15	168300	79@0	CP_QPSK	19.88
n5	15	15	168300	39@19	CP_QPSK	21.39
n5	15	15	168300	1@1	CP_QPSK	21.44
n5	15	15	168300	1@77	CP_QPSK	21.17
n5	15	20	166800	100@0	DFT_BPSK	22.36
n5	15	20	166800	50@25	DFT_BPSK	22.95
n5	15	20	166800	1@1	DFT_BPSK	22.67
n5	15	20	166800	1@104	DFT_BPSK	22.62
n5	15	20	166800	100@0	DFT_QPSK	22.07
n5	15	20	166800	50@25	DFT_QPSK	22.9
n5	15	20	166800	1@1	DFT_QPSK	22.64
n5	15	20	166800	1@104	DFT_QPSK	22.65
n5	15	20	166800	100@0	DFT_16QAM	21.08
n5	15	20	166800	50@25	DFT_16QAM	22.07
n5	15	20	166800	1@1	DFT_16QAM	21.91
n5	15	20	166800	1@104	DFT_16QAM	21.85
n5	15	20	166800	100@0	DFT_64QAM	20.52
n5	15	20	166800	50@25	DFT_64QAM	20.57
n5	15	20	166800	1@1	DFT_64QAM	20.43
n5	15	20	166800	1@104	DFT_64QAM	20.41
n5	15	20	166800	100@0	DFT_256QAM	18.5
n5	15	20	166800	50@25	DFT_256QAM	18.55
n5	15	20	166800	1@1	DFT_256QAM	18.35
n5	15	20	166800	1@104	DFT_256QAM	18.27



n5	15	20	166800	106@0	CP_QPSK	20.05
n5	15	20	166800	53@26	CP_QPSK	21.54
n5	15	20	166800	1@1	CP_QPSK	21.35
n5	15	20	166800	1@104	CP_QPSK	21.28
n5	15	20	167300	100@0	DFT_BPSK	22.26
n5	15	20	167300	50@25	DFT_BPSK	22.84
n5	15	20	167300	1@1	DFT_BPSK	22.72
n5	15	20	167300	1@104	DFT_BPSK	22.5
n5	15	20	167300	100@0	DFT_QPSK	21.94
n5	15	20	167300	50@25	DFT_QPSK	22.89
n5	15	20	167300	1@1	DFT_QPSK	22.71
n5	15	20	167300	1@104	DFT_QPSK	22.51
n5	15	20	167300	100@0	DFT_16QAM	20.93
n5	15	20	167300	50@25	DFT_16QAM	21.96
n5	15	20	167300	1@1	DFT_16QAM	21.91
n5	15	20	167300	1@104	DFT_16QAM	21.78
n5	15	20	167300	100@0	DFT_64QAM	20.35
n5	15	20	167300	50@25	DFT_64QAM	20.47
n5	15	20	167300	1@1	DFT_64QAM	20.51
n5	15	20	167300	1@104	DFT_64QAM	20.33
n5	15	20	167300	100@0	DFT_256QAM	18.4
n5	15	20	167300	50@25	DFT_256QAM	18.45
n5	15	20	167300	1@1	DFT_256QAM	18.37
n5	15	20	167300	1@104	DFT_256QAM	18.18
n5	15	20	167300	106@0	CP_QPSK	19.85
n5	15	20	167300	53@26	CP_QPSK	21.46
n5	15	20	167300	1@1	CP_QPSK	21.39
n5	15	20	167300	1@104	CP_QPSK	21.12
n5	15	20	167800	100@0	DFT_BPSK	22.16
n5	15	20	167800	50@25	DFT_BPSK	22.74
n5	15	20	167800	1@1	DFT_BPSK	22.62
n5	15	20	167800	1@104	DFT_BPSK	22.41
n5	15	20	167800	100@0	DFT_QPSK	21.87
n5	15	20	167800	50@25	DFT_QPSK	22.83
n5	15	20	167800	1@1	DFT_QPSK	22.66
n5	15	20	167800	1@104	DFT_QPSK	22.47
n5	15	20	167800	100@0	DFT_16QAM	20.82
n5	15	20	167800	50@25	DFT_16QAM	21.91
n5	15	20	167800	1@1	DFT_16QAM	21.94
n5	15	20	167800	1@104	DFT_16QAM	21.85
n5	15	20	167800	100@0	DFT_64QAM	20.33
n5	15	20	167800	50@25	DFT_64QAM	20.38
n5	15	20	167800	1@1	DFT_64QAM	20.39
n5	15	20	167800	1@104	DFT_64QAM	20.26
n5	15	20	167800	100@0	DFT_256QAM	18.38
n5	15	20	167800	50@25	DFT_256QAM	18.43
n5	15	20	167800	1@1	DFT_256QAM	18.31
n5	15	20	167800	1@104	DFT_256QAM	18.16



n5	15	20	167800	106@0	CP_QPSK	19.8
n5	15	20	167800	53@26	CP_QPSK	21.4
n5	15	20	167800	1@1	CP_QPSK	21.33
n5	15	20	167800	1@104	CP_QPSK	21.11

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)
n7	15	5	500500	25@0	DFT_BPSK	18.77
n7	15	5	500500	12@6	DFT_BPSK	19.3
n7	15	5	500500	1@1	DFT_BPSK	19.24
n7	15	5	500500	1@23	DFT_BPSK	19.3
n7	15	5	500500	25@0	DFT_QPSK	18.24
n7	15	5	500500	12@6	DFT_QPSK	19.25
n7	15	5	500500	1@1	DFT_QPSK	19.15
n7	15	5	500500	1@23	DFT_QPSK	19.21
n7	15	5	500500	25@0	DFT_16QAM	17.25
n7	15	5	500500	12@6	DFT_16QAM	18.31
n7	15	5	500500	1@1	DFT_16QAM	18.39
n7	15	5	500500	1@23	DFT_16QAM	18.39
n7	15	5	500500	25@0	DFT_64QAM	16.74
n7	15	5	500500	12@6	DFT_64QAM	16.66
n7	15	5	500500	1@1	DFT_64QAM	16.88
n7	15	5	500500	1@23	DFT_64QAM	16.9
n7	15	5	500500	25@0	DFT_256QAM	14.71
n7	15	5	500500	12@6	DFT_256QAM	14.73
n7	15	5	500500	1@1	DFT_256QAM	14.58
n7	15	5	500500	1@23	DFT_256QAM	14.53
n7	15	5	500500	25@0	CP_QPSK	16.24
n7	15	5	500500	13@6	CP_QPSK	17.72
n7	15	5	500500	1@1	CP_QPSK	17.6
n7	15	5	500500	1@23	CP_QPSK	17.61
n7	15	5	507000	25@0	DFT_BPSK	18.4
n7	15	5	507000	12@6	DFT_BPSK	19.02
n7	15	5	507000	1@1	DFT_BPSK	19.06
n7	15	5	507000	1@23	DFT_BPSK	19.02
n7	15	5	507000	25@0	DFT_QPSK	17.97
n7	15	5	507000	12@6	DFT_QPSK	18.99
n7	15	5	507000	1@1	DFT_QPSK	18.92
n7	15	5	507000	1@23	DFT_QPSK	18.92
n7	15	5	507000	25@0	DFT_16QAM	16.96
n7	15	5	507000	12@6	DFT_16QAM	18.04
n7	15	5	507000	1@1	DFT_16QAM	18.13
n7	15	5	507000	1@23	DFT_16QAM	18.16
n7	15	5	507000	25@0	DFT_64QAM	16.51
n7	15	5	507000	12@6	DFT_64QAM	16.42
n7	15	5	507000	1@1	DFT_64QAM	16.58
n7	15	5	507000	1@23	DFT_64QAM	16.61
n7	15	5	507000	25@0	DFT_256QAM	14.49
n7	15	5	507000	12@6	DFT_256QAM	14.49



n7	15	5	507000	1@1	DFT_256QAM	14.3
n7	15	5	507000	1@23	DFT_256QAM	14.32
n7	15	5	507000	25@0	CP_QPSK	15.9
n7	15	5	507000	13@6	CP_QPSK	17.46
n7	15	5	507000	1@1	CP_QPSK	17.34
n7	15	5	507000	1@23	CP_QPSK	17.35
n7	15	5	513500	25@0	DFT_BPSK	18.5
n7	15	5	513500	12@6	DFT_BPSK	19.04
n7	15	5	513500	1@1	DFT_BPSK	19.03
n7	15	5	513500	1@23	DFT_BPSK	19.04
n7	15	5	513500	25@0	DFT_QPSK	18.02
n7	15	5	513500	12@6	DFT_QPSK	19.05
n7	15	5	513500	1@1	DFT_QPSK	18.94
n7	15	5	513500	1@23	DFT_QPSK	18.93
n7	15	5	513500	25@0	DFT_16QAM	16.97
n7	15	5	513500	12@6	DFT_16QAM	18.04
n7	15	5	513500	1@1	DFT_16QAM	18.13
n7	15	5	513500	1@23	DFT_16QAM	18.13
n7	15	5	513500	25@0	DFT_64QAM	16.52
n7	15	5	513500	12@6	DFT_64QAM	16.49
n7	15	5	513500	1@1	DFT_64QAM	16.65
n7	15	5	513500	1@23	DFT_64QAM	16.61
n7	15	5	513500	25@0	DFT_256QAM	14.48
n7	15	5	513500	12@6	DFT_256QAM	14.48
n7	15	5	513500	1@1	DFT_256QAM	14.34
n7	15	5	513500	1@23	DFT_256QAM	14.34
n7	15	5	513500	25@0	CP_QPSK	15.95
n7	15	5	513500	13@6	CP_QPSK	17.5
n7	15	5	513500	1@1	CP_QPSK	17.4
n7	15	5	513500	1@23	CP_QPSK	17.37
n7	15	10	501000	50@0	DFT_BPSK	18.54
n7	15	10	501000	25@12	DFT_BPSK	19.05
n7	15	10	501000	1@1	DFT_BPSK	19.06
n7	15	10	501000	1@50	DFT_BPSK	19.08
n7	15	10	501000	50@0	DFT_QPSK	18.04
n7	15	10	501000	25@12	DFT_QPSK	19.12
n7	15	10	501000	1@1	DFT_QPSK	18.9
n7	15	10	501000	1@50	DFT_QPSK	19.02
n7	15	10	501000	50@0	DFT_16QAM	17.01
n7	15	10	501000	25@12	DFT_16QAM	18.07
n7	15	10	501000	1@1	DFT_16QAM	18.1
n7	15	10	501000	1@50	DFT_16QAM	18.19
n7	15	10	501000	50@0	DFT_64QAM	16.57
n7	15	10	501000	25@12	DFT_64QAM	16.57
n7	15	10	501000	1@1	DFT_64QAM	16.66
n7	15	10	501000	1@50	DFT_64QAM	16.72
n7	15	10	501000	50@0	DFT_256QAM	14.48
n7	15	10	501000	25@12	DFT_256QAM	14.54



n7	15	10	501000	1@1	DFT_256QAM	14.37
n7	15	10	501000	1@50	DFT_256QAM	14.45
n7	15	10	501000	52@0	CP_QPSK	15.95
n7	15	10	501000	26@13	CP_QPSK	17.52
n7	15	10	501000	1@1	CP_QPSK	17.4
n7	15	10	501000	1@50	CP_QPSK	17.47
n7	15	10	507000	50@0	DFT_BPSK	18.33
n7	15	10	507000	25@12	DFT_BPSK	18.87
n7	15	10	507000	1@1	DFT_BPSK	18.9
n7	15	10	507000	1@50	DFT_BPSK	18.87
n7	15	10	507000	50@0	DFT_QPSK	17.86
n7	15	10	507000	25@12	DFT_QPSK	18.86
n7	15	10	507000	1@1	DFT_QPSK	18.84
n7	15	10	507000	1@50	DFT_QPSK	18.78
n7	15	10	507000	50@0	DFT_16QAM	16.82
n7	15	10	507000	25@12	DFT_16QAM	17.83
n7	15	10	507000	1@1	DFT_16QAM	18.03
n7	15	10	507000	1@50	DFT_16QAM	17.96
n7	15	10	507000	50@0	DFT_64QAM	16.35
n7	15	10	507000	25@12	DFT_64QAM	16.31
n7	15	10	507000	1@1	DFT_64QAM	16.53
n7	15	10	507000	1@50	DFT_64QAM	16.51
n7	15	10	507000	50@0	DFT_256QAM	14.31
n7	15	10	507000	25@12	DFT_256QAM	14.29
n7	15	10	507000	1@1	DFT_256QAM	14.24
n7	15	10	507000	1@50	DFT_256QAM	14.21
n7	15	10	507000	52@0	CP_QPSK	15.8
n7	15	10	507000	26@13	CP_QPSK	17.29
n7	15	10	507000	1@1	CP_QPSK	17.29
n7	15	10	507000	1@50	CP_QPSK	17.26
n7	15	10	513000	50@0	DFT_BPSK	18.3
n7	15	10	513000	25@12	DFT_BPSK	18.87
n7	15	10	513000	1@1	DFT_BPSK	18.96
n7	15	10	513000	1@50	DFT_BPSK	18.89
n7	15	10	513000	50@0	DFT_QPSK	17.84
n7	15	10	513000	25@12	DFT_QPSK	18.87
n7	15	10	513000	1@1	DFT_QPSK	18.81
n7	15	10	513000	1@50	DFT_QPSK	18.75
n7	15	10	513000	50@0	DFT_16QAM	16.82
n7	15	10	513000	25@12	DFT_16QAM	17.81
n7	15	10	513000	1@1	DFT_16QAM	18.06
n7	15	10	513000	1@50	DFT_16QAM	18.01
n7	15	10	513000	50@0	DFT_64QAM	16.41
n7	15	10	513000	25@12	DFT_64QAM	16.37
n7	15	10	513000	1@1	DFT_64QAM	16.51
n7	15	10	513000	1@50	DFT_64QAM	16.51
n7	15	10	513000	50@0	DFT_256QAM	14.29
n7	15	10	513000	25@12	DFT_256QAM	14.34



n7	15	10	513000	1@1	DFT_256QAM	14.19
n7	15	10	513000	1@50	DFT_256QAM	14.13
n7	15	10	513000	52@0	CP_QPSK	15.78
n7	15	10	513000	26@13	CP_QPSK	17.29
n7	15	10	513000	1@1	CP_QPSK	17.26
n7	15	10	513000	1@50	CP_QPSK	17.23
n7	15	15	501500	75@0	DFT_BPSK	18.82
n7	15	15	501500	36@18	DFT_BPSK	19.26
n7	15	15	501500	1@1	DFT_BPSK	19.19
n7	15	15	501500	1@77	DFT_BPSK	19.23
n7	15	15	501500	75@0	DFT_QPSK	18.29
n7	15	15	501500	36@18	DFT_QPSK	19.25
n7	15	15	501500	1@1	DFT_QPSK	19.13
n7	15	15	501500	1@77	DFT_QPSK	19.15
n7	15	15	501500	75@0	DFT_16QAM	17.31
n7	15	15	501500	36@18	DFT_16QAM	18.33
n7	15	15	501500	1@1	DFT_16QAM	18.32
n7	15	15	501500	1@77	DFT_16QAM	18.35
n7	15	15	501500	75@0	DFT_64QAM	16.69
n7	15	15	501500	36@18	DFT_64QAM	16.72
n7	15	15	501500	1@1	DFT_64QAM	16.72
n7	15	15	501500	1@77	DFT_64QAM	16.74
n7	15	15	501500	75@0	DFT_256QAM	14.76
n7	15	15	501500	36@18	DFT_256QAM	14.77
n7	15	15	501500	1@1	DFT_256QAM	14.49
n7	15	15	501500	1@77	DFT_256QAM	14.52
n7	15	15	501500	79@0	CP_QPSK	16.27
n7	15	15	501500	39@19	CP_QPSK	17.78
n7	15	15	501500	1@1	CP_QPSK	17.55
n7	15	15	501500	1@77	CP_QPSK	17.55
n7	15	15	507000	75@0	DFT_BPSK	18.6
n7	15	15	507000	36@18	DFT_BPSK	19.02
n7	15	15	507000	1@1	DFT_BPSK	19.09
n7	15	15	507000	1@77	DFT_BPSK	19.04
n7	15	15	507000	75@0	DFT_QPSK	18.09
n7	15	15	507000	36@18	DFT_QPSK	19.07
n7	15	15	507000	1@1	DFT_QPSK	19.02
n7	15	15	507000	1@77	DFT_QPSK	18.9
n7	15	15	507000	75@0	DFT_16QAM	17.04
n7	15	15	507000	36@18	DFT_16QAM	18.12
n7	15	15	507000	1@1	DFT_16QAM	18.27
n7	15	15	507000	1@77	DFT_16QAM	18.14
n7	15	15	507000	75@0	DFT_64QAM	16.5
n7	15	15	507000	36@18	DFT_64QAM	16.47
n7	15	15	507000	1@1	DFT_64QAM	16.6
n7	15	15	507000	1@77	DFT_64QAM	16.55
n7	15	15	507000	75@0	DFT_256QAM	14.49
n7	15	15	507000	36@18	DFT_256QAM	14.53



n7	15	15	507000	1@1	DFT_256QAM	14.4
n7	15	15	507000	1@77	DFT_256QAM	14.31
n7	15	15	507000	79@0	CP_QPSK	16.02
n7	15	15	507000	39@19	CP_QPSK	17.48
n7	15	15	507000	1@1	CP_QPSK	17.43
n7	15	15	507000	1@77	CP_QPSK	17.38
n7	15	15	512500	75@0	DFT_BPSK	18.58
n7	15	15	512500	36@18	DFT_BPSK	19.09
n7	15	15	512500	1@1	DFT_BPSK	19.03
n7	15	15	512500	1@77	DFT_BPSK	19.04
n7	15	15	512500	75@0	DFT_QPSK	18.1
n7	15	15	512500	36@18	DFT_QPSK	19.11
n7	15	15	512500	1@1	DFT_QPSK	19.01
n7	15	15	512500	1@77	DFT_QPSK	18.93
n7	15	15	512500	75@0	DFT_16QAM	17.11
n7	15	15	512500	36@18	DFT_16QAM	18.16
n7	15	15	512500	1@1	DFT_16QAM	18.23
n7	15	15	512500	1@77	DFT_16QAM	18.14
n7	15	15	512500	75@0	DFT_64QAM	16.54
n7	15	15	512500	36@18	DFT_64QAM	16.54
n7	15	15	512500	1@1	DFT_64QAM	16.64
n7	15	15	512500	1@77	DFT_64QAM	16.57
n7	15	15	512500	75@0	DFT_256QAM	14.52
n7	15	15	512500	36@18	DFT_256QAM	14.58
n7	15	15	512500	1@1	DFT_256QAM	14.39
n7	15	15	512500	1@77	DFT_256QAM	14.3
n7	15	15	512500	79@0	CP_QPSK	16.07
n7	15	15	512500	39@19	CP_QPSK	17.54
n7	15	15	512500	1@1	CP_QPSK	17.42
n7	15	15	512500	1@77	CP_QPSK	17.35
n7	15	20	502000	100@0	DFT_BPSK	18.8
n7	15	20	502000	50@25	DFT_BPSK	19.35
n7	15	20	502000	1@1	DFT_BPSK	19.22
n7	15	20	502000	1@104	DFT_BPSK	19.31
n7	15	20	502000	100@0	DFT_QPSK	18.27
n7	15	20	502000	50@25	DFT_QPSK	19.4
n7	15	20	502000	1@1	DFT_QPSK	19.13
n7	15	20	502000	1@104	DFT_QPSK	19.21
n7	15	20	502000	100@0	DFT_16QAM	17.29
n7	15	20	502000	50@25	DFT_16QAM	18.33
n7	15	20	502000	1@1	DFT_16QAM	18.34
n7	15	20	502000	1@104	DFT_16QAM	18.38
n7	15	20	502000	100@0	DFT_64QAM	16.76
n7	15	20	502000	50@25	DFT_64QAM	16.87
n7	15	20	502000	1@1	DFT_64QAM	16.83
n7	15	20	502000	1@104	DFT_64QAM	16.9
n7	15	20	502000	100@0	DFT_256QAM	14.73
n7	15	20	502000	50@25	DFT_256QAM	14.78



n7	15	20	502000	1@1	DFT_256QAM	14.55
n7	15	20	502000	1@104	DFT_256QAM	14.59
n7	15	20	502000	106@0	CP_QPSK	16.23
n7	15	20	502000	53@26	CP_QPSK	17.81
n7	15	20	502000	1@1	CP_QPSK	17.58
n7	15	20	502000	1@104	CP_QPSK	17.61
n7	15	20	507000	100@0	DFT_BPSK	18.55
n7	15	20	507000	50@25	DFT_BPSK	19.09
n7	15	20	507000	1@1	DFT_BPSK	19.09
n7	15	20	507000	1@104	DFT_BPSK	19.13
n7	15	20	507000	100@0	DFT_QPSK	18.03
n7	15	20	507000	50@25	DFT_QPSK	19.08
n7	15	20	507000	1@1	DFT_QPSK	19.03
n7	15	20	507000	1@104	DFT_QPSK	19.03
n7	15	20	507000	100@0	DFT_16QAM	17.1
n7	15	20	507000	50@25	DFT_16QAM	18.05
n7	15	20	507000	1@1	DFT_16QAM	18.23
n7	15	20	507000	1@104	DFT_16QAM	18.23
n7	15	20	507000	100@0	DFT_64QAM	16.53
n7	15	20	507000	50@25	DFT_64QAM	16.59
n7	15	20	507000	1@1	DFT_64QAM	16.72
n7	15	20	507000	1@104	DFT_64QAM	16.75
n7	15	20	507000	100@0	DFT_256QAM	14.51
n7	15	20	507000	50@25	DFT_256QAM	14.5
n7	15	20	507000	1@1	DFT_256QAM	14.41
n7	15	20	507000	1@104	DFT_256QAM	14.4
n7	15	20	507000	106@0	CP_QPSK	16.04
n7	15	20	507000	53@26	CP_QPSK	17.55
n7	15	20	507000	1@1	CP_QPSK	17.45
n7	15	20	507000	1@104	CP_QPSK	17.45
n7	15	20	512000	100@0	DFT_BPSK	18.58
n7	15	20	512000	50@25	DFT_BPSK	19.09
n7	15	20	512000	1@1	DFT_BPSK	19.14
n7	15	20	512000	1@104	DFT_BPSK	19.05
n7	15	20	512000	100@0	DFT_QPSK	18.05
n7	15	20	512000	50@25	DFT_QPSK	19.15
n7	15	20	512000	1@1	DFT_QPSK	19.02
n7	15	20	512000	1@104	DFT_QPSK	18.91
n7	15	20	512000	100@0	DFT_16QAM	17.07
n7	15	20	512000	50@25	DFT_16QAM	18.07
n7	15	20	512000	1@1	DFT_16QAM	18.27
n7	15	20	512000	1@104	DFT_16QAM	18.17
n7	15	20	512000	100@0	DFT_64QAM	16.55
n7	15	20	512000	50@25	DFT_64QAM	16.68
n7	15	20	512000	1@1	DFT_64QAM	16.84
n7	15	20	512000	1@104	DFT_64QAM	16.64
n7	15	20	512000	100@0	DFT_256QAM	14.54
n7	15	20	512000	50@25	DFT_256QAM	14.62



n7	15	20	512000	1@1	DFT_256QAM	14.46
n7	15	20	512000	1@104	DFT_256QAM	14.3
n7	15	20	512000	106@0	CP_QPSK	16
n7	15	20	512000	53@26	CP_QPSK	17.55
n7	15	20	512000	1@1	CP_QPSK	17.52
n7	15	20	512000	1@104	CP_QPSK	17.46

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)
n12	15	5	140300	25@0	DFT_BPSK	21.99
n12	15	5	140300	12@6	DFT_BPSK	22.55
n12	15	5	140300	1@1	DFT_BPSK	22.47
n12	15	5	140300	1@23	DFT_BPSK	22.42
n12	15	5	140300	25@0	DFT_QPSK	21.54
n12	15	5	140300	12@6	DFT_QPSK	22.54
n12	15	5	140300	1@1	DFT_QPSK	22.44
n12	15	5	140300	1@23	DFT_QPSK	22.46
n12	15	5	140300	25@0	DFT_16QAM	20.54
n12	15	5	140300	12@6	DFT_16QAM	21.63
n12	15	5	140300	1@1	DFT_16QAM	21.62
n12	15	5	140300	1@23	DFT_16QAM	21.59
n12	15	5	140300	25@0	DFT_64QAM	20.07
n12	15	5	140300	12@6	DFT_64QAM	20.07
n12	15	5	140300	1@1	DFT_64QAM	20.15
n12	15	5	140300	1@23	DFT_64QAM	20.17
n12	15	5	140300	25@0	DFT_256QAM	17.98
n12	15	5	140300	12@6	DFT_256QAM	18.11
n12	15	5	140300	1@1	DFT_256QAM	18.02
n12	15	5	140300	1@23	DFT_256QAM	18.02
n12	15	5	140300	25@0	CP_QPSK	19.48
n12	15	5	140300	13@6	CP_QPSK	21.05
n12	15	5	140300	1@1	CP_QPSK	21.04
n12	15	5	140300	1@23	CP_QPSK	21.02
n12	15	5	141500	25@0	DFT_BPSK	22.39
n12	15	5	141500	12@6	DFT_BPSK	22.9
n12	15	5	141500	1@1	DFT_BPSK	22.69
n12	15	5	141500	1@23	DFT_BPSK	22.81
n12	15	5	141500	25@0	DFT_QPSK	21.93
n12	15	5	141500	12@6	DFT_QPSK	22.93
n12	15	5	141500	1@1	DFT_QPSK	22.72
n12	15	5	141500	1@23	DFT_QPSK	22.82
n12	15	5	141500	25@0	DFT_16QAM	20.97
n12	15	5	141500	12@6	DFT_16QAM	21.94
n12	15	5	141500	1@1	DFT_16QAM	21.82
n12	15	5	141500	1@23	DFT_16QAM	21.98
n12	15	5	141500	25@0	DFT_64QAM	20.46
n12	15	5	141500	12@6	DFT_64QAM	20.39
n12	15	5	141500	1@1	DFT_64QAM	20.37
n12	15	5	141500	1@23	DFT_64QAM	20.49



n12	15	5	141500	25@0	DFT_256QAM	18.33
n12	15	5	141500	12@6	DFT_256QAM	18.36
n12	15	5	141500	1@1	DFT_256QAM	18.29
n12	15	5	141500	1@23	DFT_256QAM	18.34
n12	15	5	141500	25@0	CP_QPSK	19.9
n12	15	5	141500	13@6	CP_QPSK	21.46
n12	15	5	141500	1@1	CP_QPSK	21.23
n12	15	5	141500	1@23	CP_QPSK	21.39
n12	15	5	142700	25@0	DFT_BPSK	22.23
n12	15	5	142700	12@6	DFT_BPSK	22.73
n12	15	5	142700	1@1	DFT_BPSK	22.77
n12	15	5	142700	1@23	DFT_BPSK	22.58
n12	15	5	142700	25@0	DFT_QPSK	21.75
n12	15	5	142700	12@6	DFT_QPSK	22.78
n12	15	5	142700	1@1	DFT_QPSK	22.79
n12	15	5	142700	1@23	DFT_QPSK	22.62
n12	15	5	142700	25@0	DFT_16QAM	20.76
n12	15	5	142700	12@6	DFT_16QAM	21.82
n12	15	5	142700	1@1	DFT_16QAM	21.92
n12	15	5	142700	1@23	DFT_16QAM	21.82
n12	15	5	142700	25@0	DFT_64QAM	20.3
n12	15	5	142700	12@6	DFT_64QAM	20.27
n12	15	5	142700	1@1	DFT_64QAM	20.41
n12	15	5	142700	1@23	DFT_64QAM	20.32
n12	15	5	142700	25@0	DFT_256QAM	18.15
n12	15	5	142700	12@6	DFT_256QAM	18.28
n12	15	5	142700	1@1	DFT_256QAM	18.27
n12	15	5	142700	1@23	DFT_256QAM	18.19
n12	15	5	142700	25@0	CP_QPSK	19.72
n12	15	5	142700	13@6	CP_QPSK	21.29
n12	15	5	142700	1@1	CP_QPSK	21.28
n12	15	5	142700	1@23	CP_QPSK	21.13
n12	15	10	140800	50@0	DFT_BPSK	22.05
n12	15	10	140800	25@12	DFT_BPSK	22.47
n12	15	10	140800	1@1	DFT_BPSK	22.29
n12	15	10	140800	1@50	DFT_BPSK	22.5
n12	15	10	140800	50@0	DFT_QPSK	21.59
n12	15	10	140800	25@12	DFT_QPSK	22.56
n12	15	10	140800	1@1	DFT_QPSK	22.34
n12	15	10	140800	1@50	DFT_QPSK	22.58
n12	15	10	140800	50@0	DFT_16QAM	20.6
n12	15	10	140800	25@12	DFT_16QAM	21.6
n12	15	10	140800	1@1	DFT_16QAM	21.46
n12	15	10	140800	1@50	DFT_16QAM	21.61
n12	15	10	140800	50@0	DFT_64QAM	20.03
n12	15	10	140800	25@12	DFT_64QAM	20.11
n12	15	10	140800	1@1	DFT_64QAM	19.98
n12	15	10	140800	1@50	DFT_64QAM	20.22