



SAR TEST REPORT

Product Name : TANK

Model Number : TANK 01

FCC ID : 2AK6CTANK01

Prepared For : Shanghai Unihertz E-Commerce Co., Ltd
: Room 308, Building C, 508 Chundong Rd,
: Minhang district Shanghai, China 201108

Prepared By : Shenzhen LGT Test Service Co., Ltd.
Room 205, Building 13, Zone B, Chen Hsong
Industrial Park, No.177 Renmin West Road,
Jinsha Community, Kengzi Street, Pingshan
New District, Shenzhen, China

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Max. SAR (1g): : Head: 0.227 W/kg
: Body: 0.793 W/kg



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Revision History

Rev.	Issue Date	Contents
00	November 24, 2022	Initial Issue



TEST REPORT CERTIFICATION

Applicant Shanghai Unihertz E-Commerce Co., Ltd

Address Room 308, Building C, 508 Chundong Rd, Minhang district
Shanghai, China 201108

Manufacture OBLUE Communication Technology Co.,Ltd.

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

Product Name TANK

Trademark Unihertz

Model Name TANK 01

Sample Status: Normal

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC KDB 447498 D04 v01; FCC KDB 865664 D01 v01r04; FCC KDB 865664 D02 v01r02; FCC KDB 941225 D01 v03r01; FCC KDB 941225 D05 v02r05; FCC KDB 941225 D06 v02r01; FCC KDB 648474 D04 v01r03; FCC KDB 248227 D01 Wi-Fi SAR v02r02	PASS

Prepared by:

Zane Shan

Zane Shan
Engineer

Approved by:

Vita Li

Vita Li
Manager



- (1) The test report is effective only with both signature and specialized stamp.
- (2) This report shall not be reproduced except in full without the written approval of the Laboratory.
- (3) The results in this report apply to the test sample(s) mentioned above at the time of the testing period only and are not to be used to indicate applicability to other similar products.



1. General Information

1.1 EUT Description

Product Name	TANK		
Trademark	Unihertz		
Model Name	TANK 01		
Series Model	N/A		
Model Difference	N/A		
Hardware Version	G86_V1.1		
Software Version	TANK 01_20221103		
Frequency Range	GSM 850: 824 ~ 849 MHz PCS 1900: 1850 ~ 1910 MHz WCDMA Band II: 1850 ~ 1910 MHz WCDMA Band IV: 1710 ~ 1755 MHz WCDMA Band V: 824 ~ 849 MHz CDMA&EVDO: BC0: 824.70 MHz~ 848.31 MHz BC1: 1851.25 MHz~ 1908.75 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: 820 ~ 849 MHz / 814 ~ 824 MHz LTE Band 38: 2570 ~ 2620 MHz LTE Band 40: 2305 ~ 2315 MHz / 2350 ~ 2360 MHz LTE Band 41: 2555 ~ 2655 MHz LTE Band 66: 1710 ~ 1780 MHz WLAN 802.11b/g/n20: 2412 MHz ~ 2462 MHz WLAN 802.11n40: 2422 MHz ~ 2452 MHz WLAN 802.11a/n20/n40/ac80: 5150 ~ 5250 MHz WLAN 802.11a/n20/n40/ac80: 5250 ~ 5350 MHz WLAN 802.11a/n20/n40/ac80: 5470 ~ 5725 MHz WLAN 802.11a/n20/n40/ac80: 5725 ~ 5850 MHz Bluetooth: 2402 ~ 2480 MHz NFC: 13.56 MHz		
Max. Reported SAR(1g)	Mode	Head(W/ kg)	Body Worn and Hotspot (W/ kg)
	GSM 850	0.133	0.416
	PCS 1900	0.041	0.093
	WCDMA Band II	0.050	0.607
	WCDMA Band IV	0.103	0.385
	WCDMA Band V	0.099	0.095
	CDMA BC0	0.036	0.040
	CDMA BC1	0.037	0.080
	LTE Band 2	0.053	0.598
	LTE Band 4	0.083	0.711
	LTE Band 5	0.118	0.220
	LTE Band 7	0.070	0.417
	LTE Band 12	0.058	0.138



	LTE Band 13	0.100	0.141
	LTE Band 17	0.092	0.158
	LTE Band 25	0.046	0.616
	LTE Band 26	0.065	0.155
	LTE Band 38	0.101	0.264
	LTE Band 40	0.156	0.449
	LTE Band 41	0.227	0.275
	LTE Band 66	0.128	0.793
	2.4G WLAN	0.090	0.082
	5.2G WLAN	0.101	0.106
	5.3G WLAN	0.147	0.110
	5.6G WLAN	0.094	0.098
	5.8G WLAN	0.141	0.095
	Bluetooth	0.137	0.089
	Simultaneous Sar	0.903	
	Limit	1.6 W/kg	
Battery	Rated Voltage:3.85V Charge Limit Voltage:4.45V Capacity: 22000mAh		
Description test modes	SIM 1 and SIM 2 is a chipset unit and tested as single chipset, SIM 1 is used to tested.		
Modulation Mode	GSM: GSM Voice; GPRS/EGPRS Class 12 WCDMA: RMC, HSDPA, HSUPA Release 6 LTE: QPSK, 16QAM 2.4G WLAN: 802.11b(DSSS): CCK,DQPSK,DBPSK 802.11g(OFDM): BPSK,QPSK,16-QAM,64-QAM 802.11n(OFDM): BPSK,QPSK,16-QAM,64-QAM 5G WLAN: 802.11a(OFDM): BPSK,QPSK,16-QAM,64-QAM 802.11n(OFDM): BPSK,QPSK,16-QAM,64-QAM 802.11ac(OFDM): BPSK,QPSK,16-QAM,64-QAM,256-QAM Bluetooth: GFSK + π /4DQPSK+8DPSK BLE: GFSK NFC: FSK		
Antenna Specification	GSM/WCDMA/LTE: PIFA Antenna Bluetooth: PIFA Antenna WLAN: PIFA Antenna NFC: Coil Antenna		
Operating Mode	Maximum continuous output		



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, Chen Hsong Industrial Park, No.177 Renmin West Road, Jinsha Community, Kengzi Street, Pingshan New District, Shenzhen, China



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. C95.1-1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz 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 D04 v01	RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices
5	FCC KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
6	FCC KDB 865664 D02 v01r02	RF Exposure Reporting
7	FCC KDB 941225 D01 v03r01	SAR Measurement Procedures for 3G Devices
8	FCC KDB 941225 D05 v02r05	SAR for LTE Devices
9	FCC KDB 941225 D06 v02r01	Hotspot Mode SAR
10	FCC KDB 648474 D04 v01r03	SAR Evaluation Considerations for Wireless Handsets
11	FCC KDB 248227 D01 Wi-Fi SAR v02r02	SAR Considerations for 802.11 Devices

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

Whole-Body Partial-Body Hands, Wrists, Feet and Ankles

0.4 8.0 20.0

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

Whole-Body Partial-Body Hands, Wrists, Feet and Ankles

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

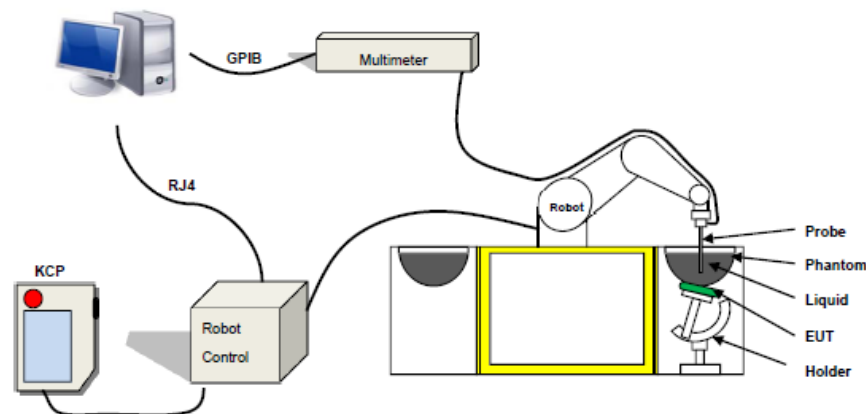
$$SAR = \frac{\sigma E^2}{\rho}$$

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 EPGO364 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: 150 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.

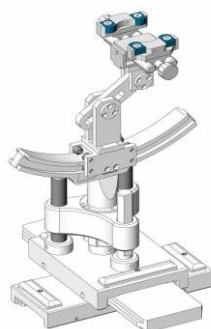


Figure-SN 06/22 SAM 148



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 1g S/m	
	Head	Body	Head	Body
300	45.3	45.3	0.87	0.87
450	43.5	43.5	0.87	0.87
900	41.5	41.5	0.97	0.97
1450	40.5	40.5	1.20	1.20
1800	40.0	40.0	1.40	1.40
2450	39.2	39.2	1.80	1.80
3000	38.5	38.5	2.40	2.40
5200	36.0	36.0	4.70	4.70

LIQUID MEASUREMENT RESULTS

Date	Ambient		Simulating Liquid		Parameters	Target	Measured	Deviation %	Limited %
	Temp. [°C]	Humidity %	Frequency(MHz)	Temp. [°C]					
2022.10.26	23.6	59	750 MHz	23. 2	Permittivity	41.9	41.43	-1.125	±5
					Conductivity	0.89	0.886	-0.481	±5
2022.10.27	23.3	54	835 MHz	23.8	Permittivity	41.50	42.16	1.592	±5
					Conductivity	0.92	0.924	0.433	±5
2022.10.20	23.4	52	1800 MHz	23.4	Permittivity	40.00	40.48	1.190	±5
					Conductivity	1.40	1.393	-0.499	±5
2022.10.24	23.4	62	1900 MHz	23.3	Permittivity	40	40.16	0.400	±5
					Conductivity	1.4	1.434	2.441	±5



2022.10.29	23.5	54	2300 MHz	23.7	Permittivity	39.5	40.00	1.269	±5
					Conductivity:	1.67	1.67	0.051	±5
2022.10.31	23.8	57	2450MHz	23.6	Permittivity	39.2	38.45	-1.910	±5
					Conductivity	1.8	1.873	4.034	±5
2022.11.01	23.6	60	2600 MHz	23.5	Permittivity	39	39.03	0.074	±5
					Conductivity	1.96	1.920	-2.052	±5
2022.11.02	23.7	58	5200MHz	23.3	Permittivity	36	36.34	0.954	±5
					Conductivity	4.66	4.669	0.188	±5
2022.10.31	24.0	60	5400MHz	24.1	Permittivity	35.8	36.402	1.682	±5
					Conductivity	4.86	4.821	-0.799	±5
2022.11.02	24.5	54	5600MHz	24.3	Permittivity	35.5	35.634	0.376	±5
					Conductivity	5.07	5.072	0.031	±5
2022.11.02	24.3	57	5800MHz	23.7	Permittivity	35.3	35.337	0.103	±5
					Conductivity	5.27	5.275	0.087	±5

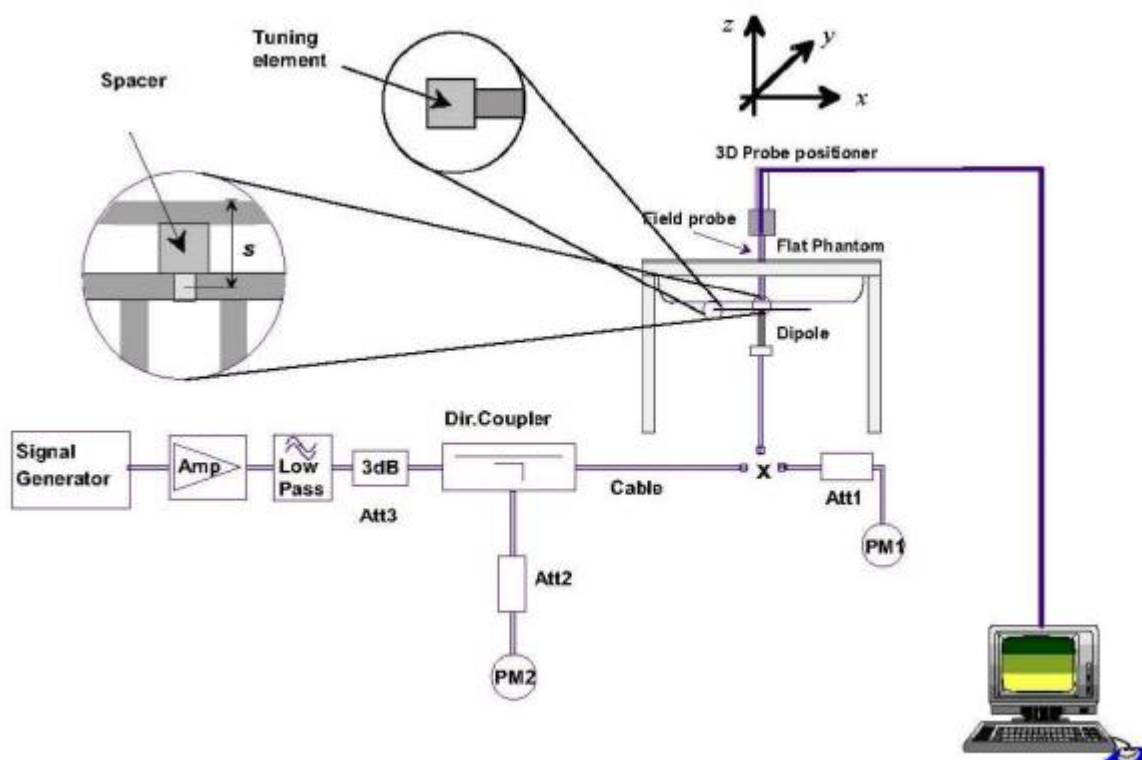


5. SAR System Validation

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)	(%)
2022.10.26	750	100	-1.30	0.917	9.17	8.49	8.01
2022.10.27	835	100	-2.11	0.95	9.50	9.56	-0.63
2022.10.20	1800	100	0.42	3.823	38.23	38.4	-0.44
2022.10.24	1900	100	-2.17	4.109	41.09	39.7	3.50
2022.10.29	2300	100	-3.61	5.002	50.02	48.7	2.71
2022.10.31	2450	100	-2.93	4.744	47.44	52.4	-9.47
2022.11.01	2600	100	1.83	5.316	53.16	55.3	-3.87
2022.11.02	5200	100	-1.56	7.658	76.58	77.64	-1.37
2022.10.31	5400	100	-0.72	8.667	86.67	80.27	7.97
2022.11.02	5600	100	1.49	8.533	85.33	78.35	8.91
2022.11.02	5800	100	-3.15	8.172	81.72	74.92	9.08



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.

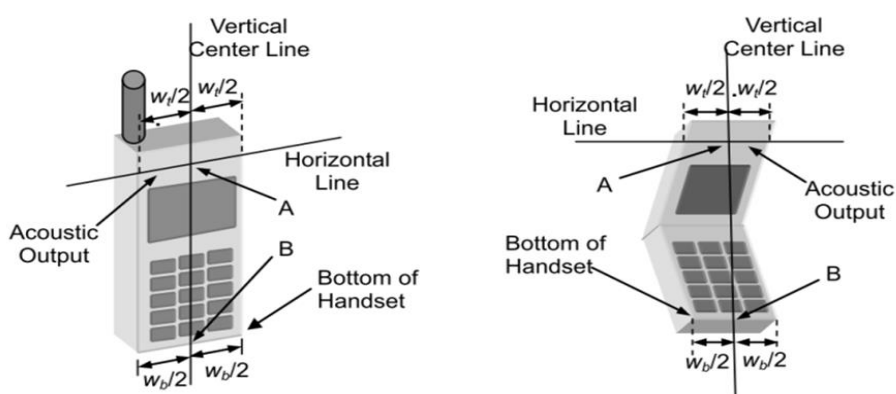


7. EUT Test Position

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

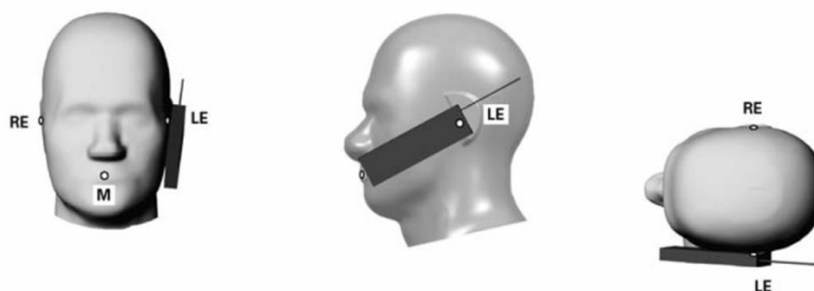
Define Two Imaginary Lines On The Handset:

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



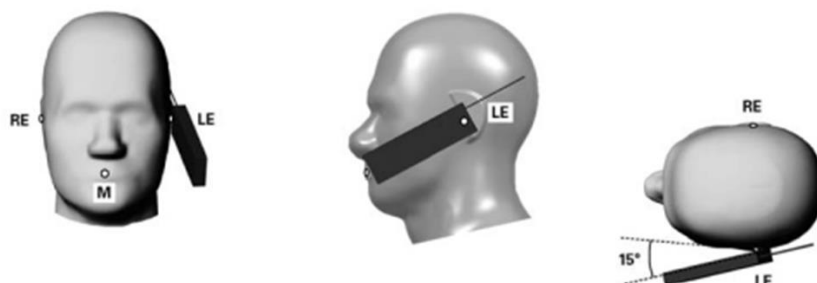
7.1 Cheek Position

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



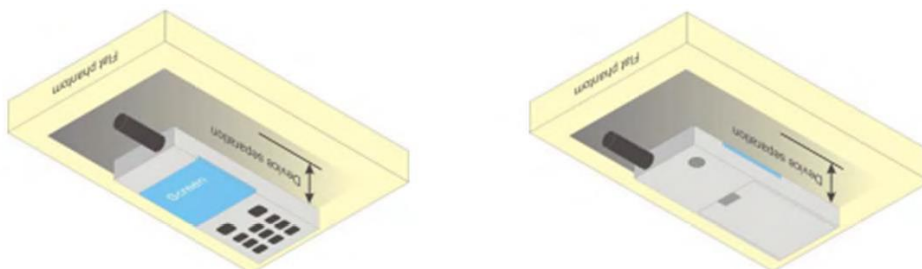
7.2 Tilt Position

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



7.3 Body-worn Position Conditions

- 1) To position the EUT parallel to the phantom surface.
- 2) To adjust the EUT parallel to the flat phantom.
- 3) To adjust the distance between the EUT surface and the flat phantom to 10mm.





8. Measurement Uncertainty

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 (+-%)	ν_i
Measurement System								
Probe calibration	5.86	N	1	1	1	5.86	5.86	∞
Axial Isotropy	0.16	R	$\sqrt{3}$	$\sqrt{0.5}$	$\sqrt{0.5}$	0.07	0.07	∞
Hemispherical Isotropy	1.06	R	$\sqrt{3}$	$\sqrt{0.5}$	$\sqrt{0.5}$	0.43	0.43	∞
Boundary effect	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Linearity	1.27	R	$\sqrt{3}$	1	1	0.73	0.73	∞
System detection limits	1.23	R	$\sqrt{3}$	1	1	0.71	0.71	∞
Modulation response	3.6	R	$\sqrt{3}$	1	1	3.60	3.60	∞
Readout Electronics	0.28	N	1	1	1	0.28	0.28	∞
Response Time	0.19	R	$\sqrt{3}$	1	1	0.11	0.11	∞
Integration Time	1.47	R	$\sqrt{3}$	1	1	0.85	0.85	∞
RF ambient conditions- Noise	3.5	R	$\sqrt{3}$	1	1	2.02	2.02	∞
RF ambient conditions- reflections	3.2	R	$\sqrt{3}$	1	1	1.85	1.85	∞
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	∞
Post-processing	2.3	R	$\sqrt{3}$	1	1	1.33	1.33	∞
Test sample Related								
Test sample positioning	3.1	N	1	1	1	3.10	3.10	∞
Device holder uncertainty	3.8	N	1	1	1	3.80	3.80	∞
SAR drift measurement	4.8	R	$\sqrt{3}$	1	1	2.77	2.77	∞
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 (temperature uncertainty)	2.5	R	$\sqrt{3}$	0.78	0.71	1.95	1.78	∞
Liquid conductivity (measured)	4	N	1	0.78	0.71	0.92	1.04	M
Liquid permittivity (temperature uncertainty)	2.5	R	$\sqrt{3}$	0.23	0.26	1.95	1.78	∞
Liquid permittivity (measured)	5	N	1	0.23	0.26	1.15	1.30	M
Combined Standard Uncertainty		RSS				10.60	10.51	
Expanded Uncertainty (95% Confidence interval)		K=2				21.21	21.03	



9. Conducted Power Measurement

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)	32.59	32.41	32.58	29.86	30.09	30.14
GPRS (GMSK, 1-Slot)	32.59	32.42	32.57	29.87	30.06	30.14
GPRS (GMSK, 2-Slot)	32.01	31.82	31.95	28.9	29.13	29.22
GPRS (GMSK, 3-Slot)	30.52	30.3	30.33	26.82	27.08	27.21
GPRS (GMSK, 4-Slot)	29.61	29.34	29.35	25.75	26	26.11
EGPRS(8PSK, 1-Slot)	28.06	27.74	27.36	24.86	25	25.44
EGPRS(8PSK, 2-Slot)	27.26	26.95	26.78	23.78	24.84	24.93
EGPRS(8PSK, 3-Slot)	24.88	24.69	24.42	22.03	22.61	23.13
EGPRS(8PSK, 4-Slot)	23.84	23.6	23.55	21.41	21.97	22.2
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)	23.56	23.38	23.55	20.83	21.06	21.11
GPRS (GMSK, 1-Slot)	23.56	23.39	23.54	20.84	21.03	21.11
GPRS (GMSK, 2-Slot)	25.99	25.80	25.93	22.88	23.11	23.20
GPRS (GMSK, 3-Slot)	26.26	26.04	26.07	22.56	22.82	22.95
GPRS (GMSK, 4-Slot)	26.60	26.33	26.34	22.74	22.99	23.10
EGPRS(8PSK, 1-Slot)	19.03	18.71	18.33	15.83	15.97	16.41
EGPRS(8PSK, 2-Slot)	21.24	20.93	20.76	17.76	18.82	18.91
EGPRS(8PSK, 3-Slot)	20.62	20.43	20.16	17.77	18.35	18.87
EGPRS(8PSK, 4-Slot)	20.83	20.59	20.54	18.40	18.96	19.19
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	1712.4	1740	1752.6	826.4	836.4	846.6
RMC 12.2Kbps	24.35	24.6	24.38	24.21	24.3	24.23	23.93	24.01	24.3
HSDPA Subtest-1	23.39	23.64	23.41	23.3	23.39	23.31	22.97	23.02	23.33
HSDPA Subtest-2	22.96	23.22	22.94	22.84	22.88	22.85	22.54	22.54	22.88
HSDPA Subtest-3	22.04	22.06	22	21.48	21.98	21.94	21.64	21.38	21.72
HSDPA Subtest-4	21.81	22.16	21.83	21.7	22.06	21.86	21.72	21.6	22
HSUPA Subtest-1	21.89	23.45	23.2	22.31	23.19	23.13	21.94	22.86	23.21
HSUPA Subtest-2	23.32	23.41	23.24	23.16	23.2	23.2	22.89	22.84	23.25
HSUPA Subtest-3	21.52	22.41	22.14	21.24	22.17	22.1	21.1	21.86	21.99
HSUPA Subtest-4	23.37	23.59	23.4	23.25	23.37	23.29	22.99	23.02	23.32
HSUPA Subtest-5	22	22.99	22.74	21.6	22.68	22.58	21.66	22.1	22.69



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	$0 \leq CM \leq 3.5$	$\text{MAX}(CM-1,0)$
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.



CDMA

CDMA BC0		
Mode	Frequency(MHz)	AVG Power
CDMA BC0	824.7	24.23
	836.52	24.64
	848.31	24.40
EVDO BC0	824.7	24.13
	836.52	24.45
	848.31	24.52

CDMA BC1		
Mode	Frequency(MHz)	AVG Power
CDMA BC1	1851.25	23.90
	1880	23.45
	1908.75	23.95
EVDO BC1	1851.25	23.41
	1880	23.30
	1908.75	23.27



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.



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band2	1.4	18607	1	#0	QPSK	21.81
Band2	1.4	18607	1	#Mid	QPSK	21.85
Band2	1.4	18607	1	#Max	QPSK	21.77
Band2	1.4	18607	3	#0	QPSK	21.78
Band2	1.4	18607	3	#Mid	QPSK	21.8
Band2	1.4	18607	3	#Max	QPSK	21.76
Band2	1.4	18607	6	#0	QPSK	20.84
Band2	1.4	18607	1	#0	QAM16	20.96
Band2	1.4	18607	1	#Mid	QAM16	21.05
Band2	1.4	18607	1	#Max	QAM16	20.97
Band2	1.4	18607	3	#0	QAM16	21.01
Band2	1.4	18607	3	#Mid	QAM16	21.05
Band2	1.4	18607	3	#Max	QAM16	20.96
Band2	1.4	18607	6	#0	QAM16	20.11
Band2	1.4	18900	1	#0	QPSK	21.85
Band2	1.4	18900	1	#Mid	QPSK	21.9
Band2	1.4	18900	1	#Max	QPSK	21.83
Band2	1.4	18900	3	#0	QPSK	21.88
Band2	1.4	18900	3	#Mid	QPSK	21.94
Band2	1.4	18900	3	#Max	QPSK	21.89
Band2	1.4	18900	6	#0	QPSK	20.97
Band2	1.4	18900	1	#0	QAM16	21.12
Band2	1.4	18900	1	#Mid	QAM16	21.14
Band2	1.4	18900	1	#Max	QAM16	21.09
Band2	1.4	18900	3	#0	QAM16	21.24
Band2	1.4	18900	3	#Mid	QAM16	21.29
Band2	1.4	18900	3	#Max	QAM16	21.23
Band2	1.4	18900	6	#0	QAM16	20.21
Band2	1.4	19193	1	#0	QPSK	21.67
Band2	1.4	19193	1	#Mid	QPSK	21.68
Band2	1.4	19193	1	#Max	QPSK	21.69
Band2	1.4	19193	3	#0	QPSK	21.72
Band2	1.4	19193	3	#Mid	QPSK	21.75
Band2	1.4	19193	3	#Max	QPSK	21.73
Band2	1.4	19193	6	#0	QPSK	20.77
Band2	1.4	19193	1	#0	QAM16	20.66
Band2	1.4	19193	1	#Mid	QAM16	20.73
Band2	1.4	19193	1	#Max	QAM16	20.69
Band2	1.4	19193	3	#0	QAM16	20.96
Band2	1.4	19193	3	#Mid	QAM16	21.04
Band2	1.4	19193	3	#Max	QAM16	21
Band2	1.4	19193	6	#0	QAM16	20.09
Band2	3	18615	1	#0	QPSK	21.59
Band2	3	18615	1	#Mid	QPSK	21.71



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band2	3	18615	1	#Max	QPSK	21.64
Band2	3	18615	8	#0	QPSK	20.73
Band2	3	18615	8	#Mid	QPSK	20.82
Band2	3	18615	8	#Max	QPSK	20.81
Band2	3	18615	15	#0	QPSK	20.83
Band2	3	18615	1	#0	QAM16	20.83
Band2	3	18615	1	#Mid	QAM16	20.95
Band2	3	18615	1	#Max	QAM16	20.85
Band2	3	18615	8	#0	QAM16	19.9
Band2	3	18615	8	#Mid	QAM16	19.88
Band2	3	18615	8	#Max	QAM16	19.9
Band2	3	18615	15	#0	QAM16	19.82
Band2	3	18900	1	#0	QPSK	21.7
Band2	3	18900	1	#Mid	QPSK	21.85
Band2	3	18900	1	#Max	QPSK	21.81
Band2	3	18900	8	#0	QPSK	20.92
Band2	3	18900	8	#Mid	QPSK	21
Band2	3	18900	8	#Max	QPSK	20.96
Band2	3	18900	15	#0	QPSK	20.98
Band2	3	18900	1	#0	QAM16	20.72
Band2	3	18900	1	#Mid	QAM16	20.82
Band2	3	18900	1	#Max	QAM16	20.7
Band2	3	18900	8	#0	QAM16	19.98
Band2	3	18900	8	#Mid	QAM16	20.05
Band2	3	18900	8	#Max	QAM16	19.98
Band2	3	18900	15	#0	QAM16	20.08
Band2	3	19185	1	#0	QPSK	21.46
Band2	3	19185	1	#Mid	QPSK	21.63
Band2	3	19185	1	#Max	QPSK	21.55
Band2	3	19185	8	#0	QPSK	20.76
Band2	3	19185	8	#Mid	QPSK	20.84
Band2	3	19185	8	#Max	QPSK	20.8
Band2	3	19185	15	#0	QPSK	20.76
Band2	3	19185	1	#0	QAM16	21.09
Band2	3	19185	1	#Mid	QAM16	21.21
Band2	3	19185	1	#Max	QAM16	21.11
Band2	3	19185	8	#0	QAM16	19.9
Band2	3	19185	8	#Mid	QAM16	19.94
Band2	3	19185	8	#Max	QAM16	19.87
Band2	3	19185	15	#0	QAM16	19.85
Band2	5	18625	1	#0	QPSK	21.81
Band2	5	18625	1	#Mid	QPSK	21.91
Band2	5	18625	1	#Max	QPSK	21.79
Band2	5	18625	12	#0	QPSK	20.78



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band2	5	18625	12	#Mid	QPSK	20.91
Band2	5	18625	12	#Max	QPSK	20.92
Band2	5	18625	25	#0	QPSK	20.92
Band2	5	18625	1	#0	QAM16	21.25
Band2	5	18625	1	#Mid	QAM16	21.33
Band2	5	18625	1	#Max	QAM16	21.22
Band2	5	18625	12	#0	QAM16	19.87
Band2	5	18625	12	#Mid	QAM16	20.01
Band2	5	18625	12	#Max	QAM16	19.99
Band2	5	18625	25	#0	QAM16	19.88
Band2	5	18900	1	#0	QPSK	21.99
Band2	5	18900	1	#Mid	QPSK	22.09
Band2	5	18900	1	#Max	QPSK	22
Band2	5	18900	12	#0	QPSK	21.07
Band2	5	18900	12	#Mid	QPSK	21.09
Band2	5	18900	12	#Max	QPSK	21.01
Band2	5	18900	25	#0	QPSK	21.03
Band2	5	18900	1	#0	QAM16	21.63
Band2	5	18900	1	#Mid	QAM16	21.75
Band2	5	18900	1	#Max	QAM16	21.68
Band2	5	18900	12	#0	QAM16	20.13
Band2	5	18900	12	#Mid	QAM16	20.16
Band2	5	18900	12	#Max	QAM16	20.09
Band2	5	18900	25	#0	QAM16	20.09
Band2	5	19175	1	#0	QPSK	21.71
Band2	5	19175	1	#Mid	QPSK	21.87
Band2	5	19175	1	#Max	QPSK	21.81
Band2	5	19175	12	#0	QPSK	20.89
Band2	5	19175	12	#Mid	QPSK	20.9
Band2	5	19175	12	#Max	QPSK	20.8
Band2	5	19175	25	#0	QPSK	20.87
Band2	5	19175	1	#0	QAM16	21.13
Band2	5	19175	1	#Mid	QAM16	21.33
Band2	5	19175	1	#Max	QAM16	21.3
Band2	5	19175	12	#0	QAM16	19.92
Band2	5	19175	12	#Mid	QAM16	19.92
Band2	5	19175	12	#Max	QAM16	19.8
Band2	5	19175	25	#0	QAM16	19.99
Band2	10	18650	1	#0	QPSK	21.94
Band2	10	18650	1	#Mid	QPSK	21.97
Band2	10	18650	1	#Max	QPSK	21.97
Band2	10	18650	25	#0	QPSK	20.78
Band2	10	18650	25	#Mid	QPSK	20.92
Band2	10	18650	25	#Max	QPSK	20.98



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band2	10	18650	50	#0	QPSK	20.92
Band2	10	18650	1	#0	QAM16	21.16
Band2	10	18650	1	#Mid	QAM16	21.19
Band2	10	18650	1	#Max	QAM16	21.18
Band2	10	18650	25	#0	QAM16	19.84
Band2	10	18650	25	#Mid	QAM16	19.99
Band2	10	18650	25	#Max	QAM16	19.99
Band2	10	18650	50	#0	QAM16	19.98
Band2	10	18900	1	#0	QPSK	22.11
Band2	10	18900	1	#Mid	QPSK	22.19
Band2	10	18900	1	#Max	QPSK	22.1
Band2	10	18900	25	#0	QPSK	21.13
Band2	10	18900	25	#Mid	QPSK	21.1
Band2	10	18900	25	#Max	QPSK	21.03
Band2	10	18900	50	#0	QPSK	21.11
Band2	10	18900	1	#0	QAM16	20.98
Band2	10	18900	1	#Mid	QAM16	21.09
Band2	10	18900	1	#Max	QAM16	21.03
Band2	10	18900	25	#0	QAM16	20.15
Band2	10	18900	25	#Mid	QAM16	20.16
Band2	10	18900	25	#Max	QAM16	20.07
Band2	10	18900	50	#0	QAM16	20.11
Band2	10	19150	1	#0	QPSK	21.79
Band2	10	19150	1	#Mid	QPSK	21.84
Band2	10	19150	1	#Max	QPSK	21.91
Band2	10	19150	25	#0	QPSK	20.82
Band2	10	19150	25	#Mid	QPSK	20.84
Band2	10	19150	25	#Max	QPSK	20.65
Band2	10	19150	50	#0	QPSK	20.74
Band2	10	19150	1	#0	QAM16	21.25
Band2	10	19150	1	#Mid	QAM16	21.36
Band2	10	19150	1	#Max	QAM16	21.48
Band2	10	19150	25	#0	QAM16	19.9
Band2	10	19150	25	#Mid	QAM16	19.97
Band2	10	19150	25	#Max	QAM16	19.74
Band2	10	19150	50	#0	QAM16	19.83
Band2	15	18675	1	#0	QPSK	21.87
Band2	15	18675	1	#Mid	QPSK	21.97
Band2	15	18675	1	#Max	QPSK	21.92
Band2	15	18675	36	#0	QPSK	20.77
Band2	15	18675	36	#Mid	QPSK	20.91
Band2	15	18675	36	#Max	QPSK	20.94
Band2	15	18675	75	#0	QPSK	20.9
Band2	15	18675	1	#0	QAM16	21.08



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band2	15	18675	1	#Mid	QAM16	21.17
Band2	15	18675	1	#Max	QAM16	21.05
Band2	15	18675	36	#0	QAM16	19.88
Band2	15	18675	36	#Mid	QAM16	19.98
Band2	15	18675	36	#Max	QAM16	20.03
Band2	15	18675	75	#0	QAM16	19.89
Band2	15	18900	1	#0	QPSK	21.97
Band2	15	18900	1	#Mid	QPSK	22.13
Band2	15	18900	1	#Max	QPSK	21.97
Band2	15	18900	36	#0	QPSK	21.03
Band2	15	18900	36	#Mid	QPSK	20.98
Band2	15	18900	36	#Max	QPSK	20.98
Band2	15	18900	75	#0	QPSK	21.01
Band2	15	18900	1	#0	QAM16	21.04
Band2	15	18900	1	#Mid	QAM16	21.29
Band2	15	18900	1	#Max	QAM16	21.14
Band2	15	18900	36	#0	QAM16	20.08
Band2	15	18900	36	#Mid	QAM16	20.04
Band2	15	18900	36	#Max	QAM16	20.01
Band2	15	18900	75	#0	QAM16	20.08
Band2	15	19125	1	#0	QPSK	21.77
Band2	15	19125	1	#Mid	QPSK	21.78
Band2	15	19125	1	#Max	QPSK	21.89
Band2	15	19125	36	#0	QPSK	20.73
Band2	15	19125	36	#Mid	QPSK	20.82
Band2	15	19125	36	#Max	QPSK	20.65
Band2	15	19125	75	#0	QPSK	20.73
Band2	15	19125	1	#0	QAM16	21.24
Band2	15	19125	1	#Mid	QAM16	21.3
Band2	15	19125	1	#Max	QAM16	21.43
Band2	15	19125	36	#0	QAM16	19.81
Band2	15	19125	36	#Mid	QAM16	19.88
Band2	15	19125	36	#Max	QAM16	19.79
Band2	15	19125	75	#0	QAM16	19.75
Band2	20	18700	1	#0	QPSK	21.72
Band2	20	18700	1	#Mid	QPSK	21.97
Band2	20	18700	1	#Max	QPSK	21.93
Band2	20	18700	50	#0	QPSK	20.73
Band2	20	18700	50	#Mid	QPSK	20.96
Band2	20	18700	50	#Max	QPSK	21.08
Band2	20	18700	100	#0	QPSK	20.91
Band2	20	18700	1	#0	QAM16	21.13
Band2	20	18700	1	#Mid	QAM16	21.3
Band2	20	18700	1	#Max	QAM16	21.28



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band2	20	18700	50	#0	QAM16	19.82
Band2	20	18700	50	#Mid	QAM16	20.04
Band2	20	18700	50	#Max	QAM16	20.17
Band2	20	18700	100	#0	QAM16	19.94
Band2	20	18900	1	#0	QPSK	21.89
Band2	20	18900	1	#Mid	QPSK	22.17
Band2	20	18900	1	#Max	QPSK	21.96
Band2	20	18900	50	#0	QPSK	21.23
Band2	20	18900	50	#Mid	QPSK	21.13
Band2	20	18900	50	#Max	QPSK	21.05
Band2	20	18900	100	#0	QPSK	21.08
Band2	20	18900	1	#0	QAM16	21.09
Band2	20	18900	1	#Mid	QAM16	21.51
Band2	20	18900	1	#Max	QAM16	21.21
Band2	20	18900	50	#0	QAM16	20.16
Band2	20	18900	50	#Mid	QAM16	20.17
Band2	20	18900	50	#Max	QAM16	20.05
Band2	20	18900	100	#0	QAM16	20.09
Band2	20	19100	1	#0	QPSK	21.77
Band2	20	19100	1	#Mid	QPSK	21.92
Band2	20	19100	1	#Max	QPSK	21.84
Band2	20	19100	50	#0	QPSK	20.71
Band2	20	19100	50	#Mid	QPSK	20.9
Band2	20	19100	50	#Max	QPSK	20.66
Band2	20	19100	100	#0	QPSK	20.62
Band2	20	19100	1	#0	QAM16	21.09
Band2	20	19100	1	#Mid	QAM16	21.18
Band2	20	19100	1	#Max	QAM16	21.2
Band2	20	19100	50	#0	QAM16	19.76
Band2	20	19100	50	#Mid	QAM16	19.98
Band2	20	19100	50	#Max	QAM16	19.76
Band2	20	19100	100	#0	QAM16	19.72
Band4	1.4	19957	1	#0	QPSK	22.4
Band4	1.4	19957	1	#Mid	QPSK	22.48
Band4	1.4	19957	1	#Max	QPSK	22.36
Band4	1.4	19957	3	#0	QPSK	22.47
Band4	1.4	19957	3	#Mid	QPSK	22.47
Band4	1.4	19957	3	#Max	QPSK	22.44
Band4	1.4	19957	6	#0	QPSK	21.47
Band4	1.4	19957	1	#0	QAM16	21.51
Band4	1.4	19957	1	#Mid	QAM16	21.59
Band4	1.4	19957	1	#Max	QAM16	21.56
Band4	1.4	19957	3	#0	QAM16	21.68
Band4	1.4	19957	3	#Mid	QAM16	21.71



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band4	1.4	19957	3	#Max	QAM16	21.66
Band4	1.4	19957	6	#0	QAM16	20.72
Band4	1.4	20175	1	#0	QPSK	22.16
Band4	1.4	20175	1	#Mid	QPSK	22.27
Band4	1.4	20175	1	#Max	QPSK	22.2
Band4	1.4	20175	3	#0	QPSK	22.18
Band4	1.4	20175	3	#Mid	QPSK	22.22
Band4	1.4	20175	3	#Max	QPSK	22.19
Band4	1.4	20175	6	#0	QPSK	21.25
Band4	1.4	20175	1	#0	QAM16	21
Band4	1.4	20175	1	#Mid	QAM16	21.12
Band4	1.4	20175	1	#Max	QAM16	20.99
Band4	1.4	20175	3	#0	QAM16	21.34
Band4	1.4	20175	3	#Mid	QAM16	21.4
Band4	1.4	20175	3	#Max	QAM16	21.35
Band4	1.4	20175	6	#0	QAM16	20.46
Band4	1.4	20393	1	#0	QPSK	22.39
Band4	1.4	20393	1	#Mid	QPSK	22.49
Band4	1.4	20393	1	#Max	QPSK	22.4
Band4	1.4	20393	3	#0	QPSK	22.37
Band4	1.4	20393	3	#Mid	QPSK	22.43
Band4	1.4	20393	3	#Max	QPSK	22.36
Band4	1.4	20393	6	#0	QPSK	21.48
Band4	1.4	20393	1	#0	QAM16	21.48
Band4	1.4	20393	1	#Mid	QAM16	21.53
Band4	1.4	20393	1	#Max	QAM16	21.52
Band4	1.4	20393	3	#0	QAM16	21.55
Band4	1.4	20393	3	#Mid	QAM16	21.63
Band4	1.4	20393	3	#Max	QAM16	21.55
Band4	1.4	20393	6	#0	QAM16	20.69
Band4	3	19965	1	#0	QPSK	22.24
Band4	3	19965	1	#Mid	QPSK	22.39
Band4	3	19965	1	#Max	QPSK	22.32
Band4	3	19965	8	#0	QPSK	21.47
Band4	3	19965	8	#Mid	QPSK	21.52
Band4	3	19965	8	#Max	QPSK	21.49
Band4	3	19965	15	#0	QPSK	21.48
Band4	3	19965	1	#0	QAM16	21.13
Band4	3	19965	1	#Mid	QAM16	21.19
Band4	3	19965	1	#Max	QAM16	21.09
Band4	3	19965	8	#0	QAM16	20.45
Band4	3	19965	8	#Mid	QAM16	20.49
Band4	3	19965	8	#Max	QAM16	20.51
Band4	3	19965	15	#0	QAM16	20.57



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band4	3	20175	1	#0	QPSK	21.96
Band4	3	20175	1	#Mid	QPSK	22.1
Band4	3	20175	1	#Max	QPSK	22.06
Band4	3	20175	8	#0	QPSK	21.18
Band4	3	20175	8	#Mid	QPSK	21.21
Band4	3	20175	8	#Max	QPSK	21.3
Band4	3	20175	15	#0	QPSK	21.21
Band4	3	20175	1	#0	QAM16	21.43
Band4	3	20175	1	#Mid	QAM16	21.53
Band4	3	20175	1	#Max	QAM16	21.51
Band4	3	20175	8	#0	QAM16	20.26
Band4	3	20175	8	#Mid	QAM16	20.3
Band4	3	20175	8	#Max	QAM16	20.32
Band4	3	20175	15	#0	QAM16	20.3
Band4	3	20385	1	#0	QPSK	22.21
Band4	3	20385	1	#Mid	QPSK	22.28
Band4	3	20385	1	#Max	QPSK	22.2
Band4	3	20385	8	#0	QPSK	21.42
Band4	3	20385	8	#Mid	QPSK	21.45
Band4	3	20385	8	#Max	QPSK	21.43
Band4	3	20385	15	#0	QPSK	21.4
Band4	3	20385	1	#0	QAM16	21.41
Band4	3	20385	1	#Mid	QAM16	21.5
Band4	3	20385	1	#Max	QAM16	21.4
Band4	3	20385	8	#0	QAM16	20.47
Band4	3	20385	8	#Mid	QAM16	20.56
Band4	3	20385	8	#Max	QAM16	20.48
Band4	3	20385	15	#0	QAM16	20.41
Band4	5	19975	1	#0	QPSK	22.5
Band4	5	19975	1	#Mid	QPSK	22.55
Band4	5	19975	1	#Max	QPSK	22.42
Band4	5	19975	12	#0	QPSK	21.47
Band4	5	19975	12	#Mid	QPSK	21.57
Band4	5	19975	12	#Max	QPSK	21.51
Band4	5	19975	25	#0	QPSK	21.54
Band4	5	19975	1	#0	QAM16	21.81
Band4	5	19975	1	#Mid	QAM16	21.88
Band4	5	19975	1	#Max	QAM16	21.78
Band4	5	19975	12	#0	QAM16	20.45
Band4	5	19975	12	#Mid	QAM16	20.55
Band4	5	19975	12	#Max	QAM16	20.51
Band4	5	19975	25	#0	QAM16	20.54
Band4	5	20175	1	#0	QPSK	22.17
Band4	5	20175	1	#Mid	QPSK	22.31



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band4	5	20175	1	#Max	QPSK	22.27
Band4	5	20175	12	#0	QPSK	21.23
Band4	5	20175	12	#Mid	QPSK	21.35
Band4	5	20175	12	#Max	QPSK	21.32
Band4	5	20175	25	#0	QPSK	21.33
Band4	5	20175	1	#0	QAM16	21.52
Band4	5	20175	1	#Mid	QAM16	21.67
Band4	5	20175	1	#Max	QAM16	21.6
Band4	5	20175	12	#0	QAM16	20.27
Band4	5	20175	12	#Mid	QAM16	20.41
Band4	5	20175	12	#Max	QAM16	20.41
Band4	5	20175	25	#0	QAM16	20.32
Band4	5	20375	1	#0	QPSK	22.43
Band4	5	20375	1	#Mid	QPSK	22.52
Band4	5	20375	1	#Max	QPSK	22.45
Band4	5	20375	12	#0	QPSK	21.5
Band4	5	20375	12	#Mid	QPSK	21.54
Band4	5	20375	12	#Max	QPSK	21.44
Band4	5	20375	25	#0	QPSK	21.48
Band4	5	20375	1	#0	QAM16	21.95
Band4	5	20375	1	#Mid	QAM16	22.06
Band4	5	20375	1	#Max	QAM16	22.04
Band4	5	20375	12	#0	QAM16	20.48
Band4	5	20375	12	#Mid	QAM16	20.58
Band4	5	20375	12	#Max	QAM16	20.55
Band4	5	20375	25	#0	QAM16	20.49
Band4	10	20000	1	#0	QPSK	22.62
Band4	10	20000	1	#Mid	QPSK	22.6
Band4	10	20000	1	#Max	QPSK	22.5
Band4	10	20000	25	#0	QPSK	21.45
Band4	10	20000	25	#Mid	QPSK	21.53
Band4	10	20000	25	#Max	QPSK	21.5
Band4	10	20000	50	#0	QPSK	21.48
Band4	10	20000	1	#0	QAM16	21.74
Band4	10	20000	1	#Mid	QAM16	21.69
Band4	10	20000	1	#Max	QAM16	21.66
Band4	10	20000	25	#0	QAM16	20.45
Band4	10	20000	25	#Mid	QAM16	20.57
Band4	10	20000	25	#Max	QAM16	20.53
Band4	10	20000	50	#0	QAM16	20.53
Band4	10	20175	1	#0	QPSK	22.37
Band4	10	20175	1	#Mid	QPSK	22.51
Band4	10	20175	1	#Max	QPSK	22.6
Band4	10	20175	25	#0	QPSK	21.25



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band4	10	20175	25	#Mid	QPSK	21.4
Band4	10	20175	25	#Max	QPSK	21.45
Band4	10	20175	50	#0	QPSK	21.34
Band4	10	20175	1	#0	QAM16	21.22
Band4	10	20175	1	#Mid	QAM16	21.29
Band4	10	20175	1	#Max	QAM16	21.38
Band4	10	20175	25	#0	QAM16	20.26
Band4	10	20175	25	#Mid	QAM16	20.39
Band4	10	20175	25	#Max	QAM16	20.45
Band4	10	20175	50	#0	QAM16	20.34
Band4	10	20350	1	#0	QPSK	22.51
Band4	10	20350	1	#Mid	QPSK	22.63
Band4	10	20350	1	#Max	QPSK	22.53
Band4	10	20350	25	#0	QPSK	21.47
Band4	10	20350	25	#Mid	QPSK	21.57
Band4	10	20350	25	#Max	QPSK	21.52
Band4	10	20350	50	#0	QPSK	21.53
Band4	10	20350	1	#0	QAM16	21.91
Band4	10	20350	1	#Mid	QAM16	22.03
Band4	10	20350	1	#Max	QAM16	21.97
Band4	10	20350	25	#0	QAM16	20.53
Band4	10	20350	25	#Mid	QAM16	20.65
Band4	10	20350	25	#Max	QAM16	20.56
Band4	10	20350	50	#0	QAM16	20.52
Band4	15	20025	1	#0	QPSK	22.47
Band4	15	20025	1	#Mid	QPSK	22.48
Band4	15	20025	1	#Max	QPSK	22.34
Band4	15	20025	36	#0	QPSK	21.42
Band4	15	20025	36	#Mid	QPSK	21.47
Band4	15	20025	36	#Max	QPSK	21.35
Band4	15	20025	75	#0	QPSK	21.42
Band4	15	20025	1	#0	QAM16	21.9
Band4	15	20025	1	#Mid	QAM16	21.94
Band4	15	20025	1	#Max	QAM16	21.79
Band4	15	20025	36	#0	QAM16	20.49
Band4	15	20025	36	#Mid	QAM16	20.55
Band4	15	20025	36	#Max	QAM16	20.41
Band4	15	20025	75	#0	QAM16	20.43
Band4	15	20175	1	#0	QPSK	22.29
Band4	15	20175	1	#Mid	QPSK	22.4
Band4	15	20175	1	#Max	QPSK	22.54
Band4	15	20175	36	#0	QPSK	21.25
Band4	15	20175	36	#Mid	QPSK	21.35
Band4	15	20175	36	#Max	QPSK	21.49



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band4	15	20175	75	#0	QPSK	21.42
Band4	15	20175	1	#0	QAM16	21.49
Band4	15	20175	1	#Mid	QAM16	21.57
Band4	15	20175	1	#Max	QAM16	21.68
Band4	15	20175	36	#0	QAM16	20.34
Band4	15	20175	36	#Mid	QAM16	20.45
Band4	15	20175	36	#Max	QAM16	20.61
Band4	15	20175	75	#0	QAM16	20.37
Band4	15	20325	1	#0	QPSK	22.55
Band4	15	20325	1	#Mid	QPSK	22.68
Band4	15	20325	1	#Max	QPSK	22.53
Band4	15	20325	36	#0	QPSK	21.53
Band4	15	20325	36	#Mid	QPSK	21.66
Band4	15	20325	36	#Max	QPSK	21.63
Band4	15	20325	75	#0	QPSK	21.61
Band4	15	20325	1	#0	QAM16	21.59
Band4	15	20325	1	#Mid	QAM16	21.69
Band4	15	20325	1	#Max	QAM16	21.66
Band4	15	20325	36	#0	QAM16	20.51
Band4	15	20325	36	#Mid	QAM16	20.62
Band4	15	20325	36	#Max	QAM16	20.6
Band4	15	20325	75	#0	QAM16	20.64
Band4	20	20050	1	#0	QPSK	22.51
Band4	20	20050	1	#Mid	QPSK	22.58
Band4	20	20050	1	#Max	QPSK	22.31
Band4	20	20050	50	#0	QPSK	21.37
Band4	20	20050	50	#Mid	QPSK	21.45
Band4	20	20050	50	#Max	QPSK	21.3
Band4	20	20050	100	#0	QPSK	21.32
Band4	20	20050	1	#0	QAM16	21.66
Band4	20	20050	1	#Mid	QAM16	21.77
Band4	20	20050	1	#Max	QAM16	21.51
Band4	20	20050	50	#0	QAM16	20.37
Band4	20	20050	50	#Mid	QAM16	20.47
Band4	20	20050	50	#Max	QAM16	20.36
Band4	20	20050	100	#0	QAM16	20.37
Band4	20	20175	1	#0	QPSK	22.2
Band4	20	20175	1	#Mid	QPSK	22.5
Band4	20	20175	1	#Max	QPSK	22.57
Band4	20	20175	50	#0	QPSK	21.32
Band4	20	20175	50	#Mid	QPSK	21.4
Band4	20	20175	50	#Max	QPSK	21.59
Band4	20	20175	100	#0	QPSK	21.48
Band4	20	20175	1	#0	QAM16	21.48



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band4	20	20175	1	#Mid	QAM16	21.7
Band4	20	20175	1	#Max	QAM16	21.79
Band4	20	20175	50	#0	QAM16	20.36
Band4	20	20175	50	#Mid	QAM16	20.5
Band4	20	20175	50	#Max	QAM16	20.65
Band4	20	20175	100	#0	QAM16	20.48
Band4	20	20300	1	#0	QPSK	22.29
Band4	20	20300	1	#Mid	QPSK	22.67
Band4	20	20300	1	#Max	QPSK	22.48
Band4	20	20300	50	#0	QPSK	21.41
Band4	20	20300	50	#Mid	QPSK	21.65
Band4	20	20300	50	#Max	QPSK	21.62
Band4	20	20300	100	#0	QPSK	21.53
Band4	20	20300	1	#0	QAM16	21.62
Band4	20	20300	1	#Mid	QAM16	21.91
Band4	20	20300	1	#Max	QAM16	21.84
Band4	20	20300	50	#0	QAM16	20.44
Band4	20	20300	50	#Mid	QAM16	20.7
Band4	20	20300	50	#Max	QAM16	20.69
Band4	20	20300	100	#0	QAM16	20.57
Band7	5	20775	1	#0	QPSK	20.77
Band7	5	20775	1	#Mid	QPSK	20.92
Band7	5	20775	1	#Max	QPSK	20.88
Band7	5	20775	12	#0	QPSK	19.83
Band7	5	20775	12	#Mid	QPSK	19.89
Band7	5	20775	12	#Max	QPSK	19.91
Band7	5	20775	25	#0	QPSK	19.82
Band7	5	20775	1	#0	QAM16	20.31
Band7	5	20775	1	#Mid	QAM16	20.45
Band7	5	20775	1	#Max	QAM16	20.39
Band7	5	20775	12	#0	QAM16	18.8
Band7	5	20775	12	#Mid	QAM16	18.92
Band7	5	20775	12	#Max	QAM16	18.87
Band7	5	20775	25	#0	QAM16	18.81
Band7	5	21100	1	#0	QPSK	20.97
Band7	5	21100	1	#Mid	QPSK	21.11
Band7	5	21100	1	#Max	QPSK	21.11
Band7	5	21100	12	#0	QPSK	20.03
Band7	5	21100	12	#Mid	QPSK	20.1
Band7	5	21100	12	#Max	QPSK	20.07
Band7	5	21100	25	#0	QPSK	20.04
Band7	5	21100	1	#0	QAM16	20.29
Band7	5	21100	1	#Mid	QAM16	20.39
Band7	5	21100	1	#Max	QAM16	20.41



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band7	5	21100	12	#0	QAM16	18.99
Band7	5	21100	12	#Mid	QAM16	19.08
Band7	5	21100	12	#Max	QAM16	19.05
Band7	5	21100	25	#0	QAM16	19.11
Band7	5	21425	1	#0	QPSK	21.39
Band7	5	21425	1	#Mid	QPSK	21.48
Band7	5	21425	1	#Max	QPSK	21.44
Band7	5	21425	12	#0	QPSK	20.54
Band7	5	21425	12	#Mid	QPSK	20.53
Band7	5	21425	12	#Max	QPSK	20.43
Band7	5	21425	25	#0	QPSK	20.41
Band7	5	21425	1	#0	QAM16	20.65
Band7	5	21425	1	#Mid	QAM16	20.78
Band7	5	21425	1	#Max	QAM16	20.77
Band7	5	21425	12	#0	QAM16	19.55
Band7	5	21425	12	#Mid	QAM16	19.56
Band7	5	21425	12	#Max	QAM16	19.47
Band7	5	21425	25	#0	QAM16	19.45
Band7	10	20800	1	#0	QPSK	20.95
Band7	10	20800	1	#Mid	QPSK	21.06
Band7	10	20800	1	#Max	QPSK	21.13
Band7	10	20800	25	#0	QPSK	19.86
Band7	10	20800	25	#Mid	QPSK	19.96
Band7	10	20800	25	#Max	QPSK	19.97
Band7	10	20800	50	#0	QPSK	19.94
Band7	10	20800	1	#0	QAM16	19.68
Band7	10	20800	1	#Mid	QAM16	19.8
Band7	10	20800	1	#Max	QAM16	19.89
Band7	10	20800	25	#0	QAM16	18.89
Band7	10	20800	25	#Mid	QAM16	18.97
Band7	10	20800	25	#Max	QAM16	19.09
Band7	10	20800	50	#0	QAM16	18.94
Band7	10	21100	1	#0	QPSK	20.98
Band7	10	21100	1	#Mid	QPSK	21.09
Band7	10	21100	1	#Max	QPSK	21.19
Band7	10	21100	25	#0	QPSK	20.09
Band7	10	21100	25	#Mid	QPSK	20.07
Band7	10	21100	25	#Max	QPSK	20.09
Band7	10	21100	50	#0	QPSK	20.13
Band7	10	21100	1	#0	QAM16	20.35
Band7	10	21100	1	#Mid	QAM16	20.53
Band7	10	21100	1	#Max	QAM16	20.62
Band7	10	21100	25	#0	QAM16	19.13
Band7	10	21100	25	#Mid	QAM16	19.15



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band7	10	21100	25	#Max	QAM16	19.13
Band7	10	21100	50	#0	QAM16	19.14
Band7	10	21400	1	#0	QPSK	21.45
Band7	10	21400	1	#Mid	QPSK	21.56
Band7	10	21400	1	#Max	QPSK	21.59
Band7	10	21400	25	#0	QPSK	20.52
Band7	10	21400	25	#Mid	QPSK	20.54
Band7	10	21400	25	#Max	QPSK	20.4
Band7	10	21400	50	#0	QPSK	20.44
Band7	10	21400	1	#0	QAM16	20.52
Band7	10	21400	1	#Mid	QAM16	20.67
Band7	10	21400	1	#Max	QAM16	20.74
Band7	10	21400	25	#0	QAM16	19.49
Band7	10	21400	25	#Mid	QAM16	19.52
Band7	10	21400	25	#Max	QAM16	19.39
Band7	10	21400	50	#0	QAM16	19.48
Band7	15	20825	1	#0	QPSK	20.82
Band7	15	20825	1	#Mid	QPSK	21.02
Band7	15	20825	1	#Max	QPSK	20.96
Band7	15	20825	36	#0	QPSK	19.88
Band7	15	20825	36	#Mid	QPSK	20.01
Band7	15	20825	36	#Max	QPSK	20.08
Band7	15	20825	75	#0	QPSK	19.96
Band7	15	20825	1	#0	QAM16	19.87
Band7	15	20825	1	#Mid	QAM16	20.05
Band7	15	20825	1	#Max	QAM16	19.99
Band7	15	20825	36	#0	QAM16	18.81
Band7	15	20825	36	#Mid	QAM16	18.96
Band7	15	20825	36	#Max	QAM16	19
Band7	15	20825	75	#0	QAM16	18.99
Band7	15	21100	1	#0	QPSK	20.86
Band7	15	21100	1	#Mid	QPSK	21.08
Band7	15	21100	1	#Max	QPSK	21.18
Band7	15	21100	36	#0	QPSK	20.07
Band7	15	21100	36	#Mid	QPSK	20.19
Band7	15	21100	36	#Max	QPSK	20.16
Band7	15	21100	75	#0	QPSK	20.16
Band7	15	21100	1	#0	QAM16	20.24
Band7	15	21100	1	#Mid	QAM16	20.49
Band7	15	21100	1	#Max	QAM16	20.62
Band7	15	21100	36	#0	QAM16	19.07
Band7	15	21100	36	#Mid	QAM16	19.21
Band7	15	21100	36	#Max	QAM16	19.17
Band7	15	21100	75	#0	QAM16	19.1



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band7	15	21375	1	#0	QPSK	21.35
Band7	15	21375	1	#Mid	QPSK	21.48
Band7	15	21375	1	#Max	QPSK	21.52
Band7	15	21375	36	#0	QPSK	20.47
Band7	15	21375	36	#Mid	QPSK	20.56
Band7	15	21375	36	#Max	QPSK	20.5
Band7	15	21375	75	#0	QPSK	20.49
Band7	15	21375	1	#0	QAM16	20.49
Band7	15	21375	1	#Mid	QAM16	20.63
Band7	15	21375	1	#Max	QAM16	20.65
Band7	15	21375	36	#0	QAM16	19.47
Band7	15	21375	36	#Mid	QAM16	19.61
Band7	15	21375	36	#Max	QAM16	19.56
Band7	15	21375	75	#0	QAM16	19.44
Band7	20	20850	1	#0	QPSK	20.7
Band7	20	20850	1	#Mid	QPSK	21.07
Band7	20	20850	1	#Max	QPSK	20.88
Band7	20	20850	50	#0	QPSK	19.82
Band7	20	20850	50	#Mid	QPSK	19.98
Band7	20	20850	50	#Max	QPSK	20.12
Band7	20	20850	100	#0	QPSK	19.97
Band7	20	20850	1	#0	QAM16	19.99
Band7	20	20850	1	#Mid	QAM16	20.36
Band7	20	20850	1	#Max	QAM16	20.12
Band7	20	20850	50	#0	QAM16	18.88
Band7	20	20850	50	#Mid	QAM16	19.09
Band7	20	20850	50	#Max	QAM16	19.17
Band7	20	20850	100	#0	QAM16	18.99
Band7	20	21100	1	#0	QPSK	20.86
Band7	20	21100	1	#Mid	QPSK	21.23
Band7	20	21100	1	#Max	QPSK	21.3
Band7	20	21100	50	#0	QPSK	20.05
Band7	20	21100	50	#Mid	QPSK	20.18
Band7	20	21100	50	#Max	QPSK	20.15
Band7	20	21100	100	#0	QPSK	20.08
Band7	20	21100	1	#0	QAM16	19.95
Band7	20	21100	1	#Mid	QAM16	20.34
Band7	20	21100	1	#Max	QAM16	20.49
Band7	20	21100	50	#0	QAM16	19.03
Band7	20	21100	50	#Mid	QAM16	19.15
Band7	20	21100	50	#Max	QAM16	19.19
Band7	20	21100	100	#0	QAM16	19.05
Band7	20	21350	1	#0	QPSK	21.3
Band7	20	21350	1	#Mid	QPSK	21.55



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band7	20	21350	1	#Max	QPSK	21.5
Band7	20	21350	50	#0	QPSK	20.32
Band7	20	21350	50	#Mid	QPSK	20.47
Band7	20	21350	50	#Max	QPSK	20.34
Band7	20	21350	100	#0	QPSK	20.27
Band7	20	21350	1	#0	QAM16	20.46
Band7	20	21350	1	#Mid	QAM16	20.67
Band7	20	21350	1	#Max	QAM16	20.66
Band7	20	21350	50	#0	QAM16	19.31
Band7	20	21350	50	#Mid	QAM16	19.49
Band7	20	21350	50	#Max	QAM16	19.39
Band7	20	21350	100	#0	QAM16	19.29
Band12	1.4	23017	1	#0	QPSK	22.25
Band12	1.4	23017	1	#Mid	QPSK	22.4
Band12	1.4	23017	1	#Max	QPSK	22.33
Band12	1.4	23017	3	#0	QPSK	22.47
Band12	1.4	23017	3	#Mid	QPSK	22.48
Band12	1.4	23017	3	#Max	QPSK	22.48
Band12	1.4	23017	6	#0	QPSK	21.43
Band12	1.4	23017	1	#0	QAM16	21.55
Band12	1.4	23017	1	#Mid	QAM16	21.6
Band12	1.4	23017	1	#Max	QAM16	21.62
Band12	1.4	23017	3	#0	QAM16	21.72
Band12	1.4	23017	3	#Mid	QAM16	21.8
Band12	1.4	23017	3	#Max	QAM16	21.77
Band12	1.4	23017	6	#0	QAM16	20.65
Band12	1.4	23095	1	#0	QPSK	22.37
Band12	1.4	23095	1	#Mid	QPSK	22.44
Band12	1.4	23095	1	#Max	QPSK	22.37
Band12	1.4	23095	3	#0	QPSK	22.45
Band12	1.4	23095	3	#Mid	QPSK	22.49
Band12	1.4	23095	3	#Max	QPSK	22.52
Band12	1.4	23095	6	#0	QPSK	21.48
Band12	1.4	23095	1	#0	QAM16	21.22
Band12	1.4	23095	1	#Mid	QAM16	21.3
Band12	1.4	23095	1	#Max	QAM16	21.33
Band12	1.4	23095	3	#0	QAM16	21.66
Band12	1.4	23095	3	#Mid	QAM16	21.67
Band12	1.4	23095	3	#Max	QAM16	21.71
Band12	1.4	23095	6	#0	QAM16	20.72
Band12	1.4	23173	1	#0	QPSK	22.33
Band12	1.4	23173	1	#Mid	QPSK	22.48
Band12	1.4	23173	1	#Max	QPSK	22.34
Band12	1.4	23173	3	#0	QPSK	22.38



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band12	1.4	23173	3	#Mid	QPSK	22.44
Band12	1.4	23173	3	#Max	QPSK	22.4
Band12	1.4	23173	6	#0	QPSK	21.43
Band12	1.4	23173	1	#0	QAM16	21.38
Band12	1.4	23173	1	#Mid	QAM16	21.47
Band12	1.4	23173	1	#Max	QAM16	21.4
Band12	1.4	23173	3	#0	QAM16	21.59
Band12	1.4	23173	3	#Mid	QAM16	21.6
Band12	1.4	23173	3	#Max	QAM16	21.54
Band12	1.4	23173	6	#0	QAM16	20.61
Band12	3	23025	1	#0	QPSK	22.11
Band12	3	23025	1	#Mid	QPSK	22.23
Band12	3	23025	1	#Max	QPSK	22.18
Band12	3	23025	8	#0	QPSK	21.37
Band12	3	23025	8	#Mid	QPSK	21.45
Band12	3	23025	8	#Max	QPSK	21.47
Band12	3	23025	15	#0	QPSK	21.4
Band12	3	23025	1	#0	QAM16	21.66
Band12	3	23025	1	#Mid	QAM16	21.76
Band12	3	23025	1	#Max	QAM16	21.61
Band12	3	23025	8	#0	QAM16	20.46
Band12	3	23025	8	#Mid	QAM16	20.54
Band12	3	23025	8	#Max	QAM16	20.48
Band12	3	23025	15	#0	QAM16	20.48
Band12	3	23095	1	#0	QPSK	22.14
Band12	3	23095	1	#Mid	QPSK	22.27
Band12	3	23095	1	#Max	QPSK	22.25
Band12	3	23095	8	#0	QPSK	21.37
Band12	3	23095	8	#Mid	QPSK	21.49
Band12	3	23095	8	#Max	QPSK	21.49
Band12	3	23095	15	#0	QPSK	21.46
Band12	3	23095	1	#0	QAM16	21.33
Band12	3	23095	1	#Mid	QAM16	21.5
Band12	3	23095	1	#Max	QAM16	21.5
Band12	3	23095	8	#0	QAM16	20.42
Band12	3	23095	8	#Mid	QAM16	20.56
Band12	3	23095	8	#Max	QAM16	20.5
Band12	3	23095	15	#0	QAM16	20.47
Band12	3	23165	1	#0	QPSK	22.16
Band12	3	23165	1	#Mid	QPSK	22.3
Band12	3	23165	1	#Max	QPSK	22.27
Band12	3	23165	8	#0	QPSK	21.33
Band12	3	23165	8	#Mid	QPSK	21.41
Band12	3	23165	8	#Max	QPSK	21.33



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band12	3	23165	15	#0	QPSK	21.38
Band12	3	23165	1	#0	QAM16	21.05
Band12	3	23165	1	#Mid	QAM16	21.05
Band12	3	23165	1	#Max	QAM16	20.96
Band12	3	23165	8	#0	QAM16	20.34
Band12	3	23165	8	#Mid	QAM16	20.41
Band12	3	23165	8	#Max	QAM16	20.35
Band12	3	23165	15	#0	QAM16	20.41
Band12	5	23035	1	#0	QPSK	22.34
Band12	5	23035	1	#Mid	QPSK	22.58
Band12	5	23035	1	#Max	QPSK	22.55
Band12	5	23035	12	#0	QPSK	21.41
Band12	5	23035	12	#Mid	QPSK	21.52
Band12	5	23035	12	#Max	QPSK	21.48
Band12	5	23035	25	#0	QPSK	21.45
Band12	5	23035	1	#0	QAM16	21.78
Band12	5	23035	1	#Mid	QAM16	21.9
Band12	5	23035	1	#Max	QAM16	21.79
Band12	5	23035	12	#0	QAM16	20.36
Band12	5	23035	12	#Mid	QAM16	20.53
Band12	5	23035	12	#Max	QAM16	20.46
Band12	5	23035	25	#0	QAM16	20.5
Band12	5	23095	1	#0	QPSK	22.42
Band12	5	23095	1	#Mid	QPSK	22.47
Band12	5	23095	1	#Max	QPSK	22.37
Band12	5	23095	12	#0	QPSK	21.47
Band12	5	23095	12	#Mid	QPSK	21.6
Band12	5	23095	12	#Max	QPSK	21.57
Band12	5	23095	25	#0	QPSK	21.56
Band12	5	23095	1	#0	QAM16	21.7
Band12	5	23095	1	#Mid	QAM16	21.87
Band12	5	23095	1	#Max	QAM16	21.85
Band12	5	23095	12	#0	QAM16	20.55
Band12	5	23095	12	#Mid	QAM16	20.68
Band12	5	23095	12	#Max	QAM16	20.68
Band12	5	23095	25	#0	QAM16	20.58
Band12	5	23155	1	#0	QPSK	22.38
Band12	5	23155	1	#Mid	QPSK	22.48
Band12	5	23155	1	#Max	QPSK	22.43
Band12	5	23155	12	#0	QPSK	21.46
Band12	5	23155	12	#Mid	QPSK	21.54
Band12	5	23155	12	#Max	QPSK	21.33
Band12	5	23155	25	#0	QPSK	21.42
Band12	5	23155	1	#0	QAM16	21.96



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band12	5	23155	1	#Mid	QAM16	22
Band12	5	23155	1	#Max	QAM16	21.9
Band12	5	23155	12	#0	QAM16	20.52
Band12	5	23155	12	#Mid	QAM16	20.59
Band12	5	23155	12	#Max	QAM16	20.4
Band12	5	23155	25	#0	QAM16	20.44
Band12	10	23060	1	#0	QPSK	22.51
Band12	10	23060	1	#Mid	QPSK	22.59
Band12	10	23060	1	#Max	QPSK	22.63
Band12	10	23060	25	#0	QPSK	21.46
Band12	10	23060	25	#Mid	QPSK	21.54
Band12	10	23060	25	#Max	QPSK	21.55
Band12	10	23060	50	#0	QPSK	21.54
Band12	10	23060	1	#0	QAM16	21.69
Band12	10	23060	1	#Mid	QAM16	21.71
Band12	10	23060	1	#Max	QAM16	21.85
Band12	10	23060	25	#0	QAM16	20.51
Band12	10	23060	25	#Mid	QAM16	20.61
Band12	10	23060	25	#Max	QAM16	20.52
Band12	10	23060	50	#0	QAM16	20.66
Band12	10	23095	1	#0	QPSK	22.57
Band12	10	23095	1	#Mid	QPSK	22.6
Band12	10	23095	1	#Max	QPSK	22.59
Band12	10	23095	25	#0	QPSK	21.52
Band12	10	23095	25	#Mid	QPSK	21.58
Band12	10	23095	25	#Max	QPSK	21.65
Band12	10	23095	50	#0	QPSK	21.64
Band12	10	23095	1	#0	QAM16	21.33
Band12	10	23095	1	#Mid	QAM16	21.46
Band12	10	23095	1	#Max	QAM16	21.49
Band12	10	23095	25	#0	QAM16	20.57
Band12	10	23095	25	#Mid	QAM16	20.61
Band12	10	23095	25	#Max	QAM16	20.8
Band12	10	23095	50	#0	QAM16	20.67
Band12	10	23130	1	#0	QPSK	22.5
Band12	10	23130	1	#Mid	QPSK	22.51
Band12	10	23130	1	#Max	QPSK	22.46
Band12	10	23130	25	#0	QPSK	21.4
Band12	10	23130	25	#Mid	QPSK	21.58
Band12	10	23130	25	#Max	QPSK	21.43
Band12	10	23130	50	#0	QPSK	21.43
Band12	10	23130	1	#0	QAM16	21.86
Band12	10	23130	1	#Mid	QAM16	22.07
Band12	10	23130	1	#Max	QAM16	21.88



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band12	10	23130	25	#0	QAM16	20.47
Band12	10	23130	25	#Mid	QAM16	20.62
Band12	10	23130	25	#Max	QAM16	20.55
Band12	10	23130	50	#0	QAM16	20.5
Band13	5	23205	1	#0	QPSK	22.15
Band13	5	23205	1	#Mid	QPSK	22.19
Band13	5	23205	1	#Max	QPSK	22.16
Band13	5	23205	12	#0	QPSK	21.05
Band13	5	23205	12	#Mid	QPSK	21.2
Band13	5	23205	12	#Max	QPSK	21.02
Band13	5	23205	25	#0	QPSK	20.98
Band13	5	23205	1	#0	QAM16	21.71
Band13	5	23205	1	#Mid	QAM16	21.72
Band13	5	23205	1	#Max	QAM16	21.7
Band13	5	23205	12	#0	QAM16	20.04
Band13	5	23205	12	#Mid	QAM16	20.29
Band13	5	23205	12	#Max	QAM16	20.02
Band13	5	23205	25	#0	QAM16	20.06
Band13	5	23230	1	#0	QPSK	22.11
Band13	5	23230	1	#Mid	QPSK	22.21
Band13	5	23230	1	#Max	QPSK	22.19
Band13	5	23230	12	#0	QPSK	21.23
Band13	5	23230	12	#Mid	QPSK	21.26
Band13	5	23230	12	#Max	QPSK	21.1
Band13	5	23230	25	#0	QPSK	21.24
Band13	5	23230	1	#0	QAM16	21.45
Band13	5	23230	1	#Mid	QAM16	21.51
Band13	5	23230	1	#Max	QAM16	21.55
Band13	5	23230	12	#0	QAM16	20.2
Band13	5	23230	12	#Mid	QAM16	20.23
Band13	5	23230	12	#Max	QAM16	20.16
Band13	5	23230	25	#0	QAM16	20.34
Band13	5	23255	1	#0	QPSK	22.05
Band13	5	23255	1	#Mid	QPSK	22.27
Band13	5	23255	1	#Max	QPSK	22.29
Band13	5	23255	12	#0	QPSK	21.23
Band13	5	23255	12	#Mid	QPSK	21.31
Band13	5	23255	12	#Max	QPSK	21.34
Band13	5	23255	25	#0	QPSK	21.31
Band13	5	23255	1	#0	QAM16	21.38
Band13	5	23255	1	#Mid	QAM16	21.64
Band13	5	23255	1	#Max	QAM16	21.68
Band13	5	23255	12	#0	QAM16	20.35
Band13	5	23255	12	#Mid	QAM16	20.39



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band13	5	23255	12	#Max	QAM16	20.44
Band13	5	23255	25	#0	QAM16	20.33
Band13	10	23230	1	#0	QPSK	22.19
Band13	10	23230	1	#Mid	QPSK	22.22
Band13	10	23230	1	#Max	QPSK	22.4
Band13	10	23230	25	#0	QPSK	21.17
Band13	10	23230	25	#Mid	QPSK	21.25
Band13	10	23230	25	#Max	QPSK	21.22
Band13	10	23230	50	#0	QPSK	21.28
Band13	10	23230	1	#0	QAM16	21.64
Band13	10	23230	1	#Mid	QAM16	21.71
Band13	10	23230	1	#Max	QAM16	21.85
Band13	10	23230	25	#0	QAM16	20.32
Band13	10	23230	25	#Mid	QAM16	20.35
Band13	10	23230	25	#Max	QAM16	20.31
Band13	10	23230	50	#0	QAM16	20.29
Band17	5	23755	1	#0	QPSK	22.49
Band17	5	23755	1	#Mid	QPSK	22.62
Band17	5	23755	1	#Max	QPSK	22.58
Band17	5	23755	12	#0	QPSK	21.62
Band17	5	23755	12	#Mid	QPSK	21.62
Band17	5	23755	12	#Max	QPSK	21.7
Band17	5	23755	25	#0	QPSK	21.65
Band17	5	23755	1	#0	QAM16	21.98
Band17	5	23755	1	#Mid	QAM16	22.17
Band17	5	23755	1	#Max	QAM16	22.18
Band17	5	23755	12	#0	QAM16	20.63
Band17	5	23755	12	#Mid	QAM16	20.65
Band17	5	23755	12	#Max	QAM16	20.72
Band17	5	23755	25	#0	QAM16	20.62
Band17	5	23790	1	#0	QPSK	22.52
Band17	5	23790	1	#Mid	QPSK	22.6
Band17	5	23790	1	#Max	QPSK	22.49
Band17	5	23790	12	#0	QPSK	21.52
Band17	5	23790	12	#Mid	QPSK	21.62
Band17	5	23790	12	#Max	QPSK	21.6
Band17	5	23790	25	#0	QPSK	21.64
Band17	5	23790	1	#0	QAM16	21.96
Band17	5	23790	1	#Mid	QAM16	22.03
Band17	5	23790	1	#Max	QAM16	21.83
Band17	5	23790	12	#0	QAM16	20.5
Band17	5	23790	12	#Mid	QAM16	20.66
Band17	5	23790	12	#Max	QAM16	20.65
Band17	5	23790	25	#0	QAM16	20.66



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band17	5	23825	1	#0	QPSK	22.41
Band17	5	23825	1	#Mid	QPSK	22.49
Band17	5	23825	1	#Max	QPSK	22.44
Band17	5	23825	12	#0	QPSK	21.54
Band17	5	23825	12	#Mid	QPSK	21.6
Band17	5	23825	12	#Max	QPSK	21.47
Band17	5	23825	25	#0	QPSK	21.48
Band17	5	23825	1	#0	QAM16	21.81
Band17	5	23825	1	#Mid	QAM16	21.81
Band17	5	23825	1	#Max	QAM16	21.71
Band17	5	23825	12	#0	QAM16	20.52
Band17	5	23825	12	#Mid	QAM16	20.69
Band17	5	23825	12	#Max	QAM16	20.52
Band17	5	23825	25	#0	QAM16	20.52
Band17	10	23780	1	#0	QPSK	22.5
Band17	10	23780	1	#Mid	QPSK	22.68
Band17	10	23780	1	#Max	QPSK	22.6
Band17	10	23780	25	#0	QPSK	21.49
Band17	10	23780	25	#Mid	QPSK	21.69
Band17	10	23780	25	#Max	QPSK	21.7
Band17	10	23780	50	#0	QPSK	21.69
Band17	10	23780	1	#0	QAM16	21.59
Band17	10	23780	1	#Mid	QAM16	21.87
Band17	10	23780	1	#Max	QAM16	21.75
Band17	10	23780	25	#0	QAM16	20.56
Band17	10	23780	25	#Mid	QAM16	20.72
Band17	10	23780	25	#Max	QAM16	20.75
Band17	10	23780	50	#0	QAM16	20.67
Band17	10	23790	1	#0	QPSK	22.62
Band17	10	23790	1	#Mid	QPSK	22.7
Band17	10	23790	1	#Max	QPSK	22.69
Band17	10	23790	25	#0	QPSK	21.5
Band17	10	23790	25	#Mid	QPSK	21.68
Band17	10	23790	25	#Max	QPSK	21.64
Band17	10	23790	50	#0	QPSK	21.58
Band17	10	23790	1	#0	QAM16	21.4
Band17	10	23790	1	#Mid	QAM16	21.56
Band17	10	23790	1	#Max	QAM16	21.44
Band17	10	23790	25	#0	QAM16	20.54
Band17	10	23790	25	#Mid	QAM16	20.7
Band17	10	23790	25	#Max	QAM16	20.68
Band17	10	23790	50	#0	QAM16	20.53
Band17	10	23800	1	#0	QPSK	22.55
Band17	10	23800	1	#Mid	QPSK	22.61



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band17	10	23800	1	#Max	QPSK	22.54
Band17	10	23800	25	#0	QPSK	21.47
Band17	10	23800	25	#Mid	QPSK	21.64
Band17	10	23800	25	#Max	QPSK	21.52
Band17	10	23800	50	#0	QPSK	21.58
Band17	10	23800	1	#0	QAM16	22.01
Band17	10	23800	1	#Mid	QAM16	22.08
Band17	10	23800	1	#Max	QAM16	21.95
Band17	10	23800	25	#0	QAM16	20.55
Band17	10	23800	25	#Mid	QAM16	20.75
Band17	10	23800	25	#Max	QAM16	20.6
Band17	10	23800	50	#0	QAM16	20.58
Band25	1.4	26047	1	#0	QPSK	21.86
Band25	1.4	26047	1	#Mid	QPSK	21.95
Band25	1.4	26047	1	#Max	QPSK	21.83
Band25	1.4	26047	3	#0	QPSK	21.78
Band25	1.4	26047	3	#Mid	QPSK	21.83
Band25	1.4	26047	3	#Max	QPSK	21.81
Band25	1.4	26047	6	#0	QPSK	20.87
Band25	1.4	26047	1	#0	QAM16	20.93
Band25	1.4	26047	1	#Mid	QAM16	21
Band25	1.4	26047	1	#Max	QAM16	20.97
Band25	1.4	26047	3	#0	QAM16	21.03
Band25	1.4	26047	3	#Mid	QAM16	21.04
Band25	1.4	26047	3	#Max	QAM16	20.99
Band25	1.4	26047	6	#0	QAM16	20.14
Band25	1.4	26365	1	#0	QPSK	21.91
Band25	1.4	26365	1	#Mid	QPSK	22.04
Band25	1.4	26365	1	#Max	QPSK	21.89
Band25	1.4	26365	3	#0	QPSK	21.97
Band25	1.4	26365	3	#Mid	QPSK	22.02
Band25	1.4	26365	3	#Max	QPSK	21.94
Band25	1.4	26365	6	#0	QPSK	21.02
Band25	1.4	26365	1	#0	QAM16	21.05
Band25	1.4	26365	1	#Mid	QAM16	21.15
Band25	1.4	26365	1	#Max	QAM16	21.11
Band25	1.4	26365	3	#0	QAM16	21.17
Band25	1.4	26365	3	#Mid	QAM16	21.27
Band25	1.4	26365	3	#Max	QAM16	21.21
Band25	1.4	26365	6	#0	QAM16	20.24
Band25	1.4	26683	1	#0	QPSK	21.81
Band25	1.4	26683	1	#Mid	QPSK	21.9
Band25	1.4	26683	1	#Max	QPSK	21.8
Band25	1.4	26683	3	#0	QPSK	21.83



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band25	1.4	26683	3	#Mid	QPSK	21.86
Band25	1.4	26683	3	#Max	QPSK	21.84
Band25	1.4	26683	6	#0	QPSK	20.92
Band25	1.4	26683	1	#0	QAM16	20.62
Band25	1.4	26683	1	#Mid	QAM16	20.74
Band25	1.4	26683	1	#Max	QAM16	20.64
Band25	1.4	26683	3	#0	QAM16	20.93
Band25	1.4	26683	3	#Mid	QAM16	20.97
Band25	1.4	26683	3	#Max	QAM16	20.96
Band25	1.4	26683	6	#0	QAM16	20.09
Band25	3	26055	1	#0	QPSK	21.65
Band25	3	26055	1	#Mid	QPSK	21.73
Band25	3	26055	1	#Max	QPSK	21.69
Band25	3	26055	8	#0	QPSK	20.77
Band25	3	26055	8	#Mid	QPSK	20.84
Band25	3	26055	8	#Max	QPSK	20.83
Band25	3	26055	15	#0	QPSK	20.81
Band25	3	26055	1	#0	QAM16	20.5
Band25	3	26055	1	#Mid	QAM16	20.59
Band25	3	26055	1	#Max	QAM16	20.5
Band25	3	26055	8	#0	QAM16	19.78
Band25	3	26055	8	#Mid	QAM16	19.87
Band25	3	26055	8	#Max	QAM16	19.84
Band25	3	26055	15	#0	QAM16	19.9
Band25	3	26365	1	#0	QPSK	21.72
Band25	3	26365	1	#Mid	QPSK	21.8
Band25	3	26365	1	#Max	QPSK	21.69
Band25	3	26365	8	#0	QPSK	20.9
Band25	3	26365	8	#Mid	QPSK	20.96
Band25	3	26365	8	#Max	QPSK	20.93
Band25	3	26365	15	#0	QPSK	20.96
Band25	3	26365	1	#0	QAM16	21.15
Band25	3	26365	1	#Mid	QAM16	21.23
Band25	3	26365	1	#Max	QAM16	21.14
Band25	3	26365	8	#0	QAM16	19.99
Band25	3	26365	8	#Mid	QAM16	20.07
Band25	3	26365	8	#Max	QAM16	20
Band25	3	26365	15	#0	QAM16	20
Band25	3	26675	1	#0	QPSK	21.64
Band25	3	26675	1	#Mid	QPSK	21.71
Band25	3	26675	1	#Max	QPSK	21.61
Band25	3	26675	8	#0	QPSK	20.79
Band25	3	26675	8	#Mid	QPSK	20.87
Band25	3	26675	8	#Max	QPSK	20.84



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band25	3	26675	15	#0	QPSK	20.79
Band25	3	26675	1	#0	QAM16	20.78
Band25	3	26675	1	#Mid	QAM16	20.89
Band25	3	26675	1	#Max	QAM16	20.79
Band25	3	26675	8	#0	QAM16	19.83
Band25	3	26675	8	#Mid	QAM16	19.9
Band25	3	26675	8	#Max	QAM16	19.84
Band25	3	26675	15	#0	QAM16	19.78
Band25	5	26065	1	#0	QPSK	21.82
Band25	5	26065	1	#Mid	QPSK	21.94
Band25	5	26065	1	#Max	QPSK	21.87
Band25	5	26065	12	#0	QPSK	20.79
Band25	5	26065	12	#Mid	QPSK	20.91
Band25	5	26065	12	#Max	QPSK	20.9
Band25	5	26065	25	#0	QPSK	20.87
Band25	5	26065	1	#0	QAM16	21.16
Band25	5	26065	1	#Mid	QAM16	21.24
Band25	5	26065	1	#Max	QAM16	21.14
Band25	5	26065	12	#0	QAM16	19.79
Band25	5	26065	12	#Mid	QAM16	19.91
Band25	5	26065	12	#Max	QAM16	19.9
Band25	5	26065	25	#0	QAM16	19.91
Band25	5	26365	1	#0	QPSK	21.96
Band25	5	26365	1	#Mid	QPSK	22.03
Band25	5	26365	1	#Max	QPSK	22.01
Band25	5	26365	12	#0	QPSK	21.02
Band25	5	26365	12	#Mid	QPSK	21.06
Band25	5	26365	12	#Max	QPSK	21.05
Band25	5	26365	25	#0	QPSK	21.04
Band25	5	26365	1	#0	QAM16	21.33
Band25	5	26365	1	#Mid	QAM16	21.41
Band25	5	26365	1	#Max	QAM16	21.32
Band25	5	26365	12	#0	QAM16	20.06
Band25	5	26365	12	#Mid	QAM16	20.11
Band25	5	26365	12	#Max	QAM16	20.11
Band25	5	26365	25	#0	QAM16	20.06
Band25	5	26665	1	#0	QPSK	21.85
Band25	5	26665	1	#Mid	QPSK	21.96
Band25	5	26665	1	#Max	QPSK	21.86
Band25	5	26665	12	#0	QPSK	20.93
Band25	5	26665	12	#Mid	QPSK	20.94
Band25	5	26665	12	#Max	QPSK	20.96
Band25	5	26665	25	#0	QPSK	20.91
Band25	5	26665	1	#0	QAM16	21.4



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band25	5	26665	1	#Mid	QAM16	21.49
Band25	5	26665	1	#Max	QAM16	21.36
Band25	5	26665	12	#0	QAM16	19.93
Band25	5	26665	12	#Mid	QAM16	19.93
Band25	5	26665	12	#Max	QAM16	19.94
Band25	5	26665	25	#0	QAM16	19.88
Band25	10	26090	1	#0	QPSK	21.91
Band25	10	26090	1	#Mid	QPSK	21.96
Band25	10	26090	1	#Max	QPSK	21.92
Band25	10	26090	25	#0	QPSK	20.75
Band25	10	26090	25	#Mid	QPSK	20.92
Band25	10	26090	25	#Max	QPSK	20.99
Band25	10	26090	50	#0	QPSK	20.85
Band25	10	26090	1	#0	QAM16	21.32
Band25	10	26090	1	#Mid	QAM16	21.37
Band25	10	26090	1	#Max	QAM16	21.32
Band25	10	26090	25	#0	QAM16	19.83
Band25	10	26090	25	#Mid	QAM16	19.96
Band25	10	26090	25	#Max	QAM16	20.02
Band25	10	26090	50	#0	QAM16	19.91
Band25	10	26365	1	#0	QPSK	22.06
Band25	10	26365	1	#Mid	QPSK	22.16
Band25	10	26365	1	#Max	QPSK	22.14
Band25	10	26365	25	#0	QPSK	21.04
Band25	10	26365	25	#Mid	QPSK	21.1
Band25	10	26365	25	#Max	QPSK	21.1
Band25	10	26365	50	#0	QPSK	21.13
Band25	10	26365	1	#0	QAM16	21.24
Band25	10	26365	1	#Mid	QAM16	21.3
Band25	10	26365	1	#Max	QAM16	21.24
Band25	10	26365	25	#0	QAM16	20.14
Band25	10	26365	25	#Mid	QAM16	20.11
Band25	10	26365	25	#Max	QAM16	20.12
Band25	10	26365	50	#0	QAM16	20.17
Band25	10	26640	1	#0	QPSK	21.85
Band25	10	26640	1	#Mid	QPSK	22.04
Band25	10	26640	1	#Max	QPSK	21.99
Band25	10	26640	25	#0	QPSK	21.02
Band25	10	26640	25	#Mid	QPSK	20.9
Band25	10	26640	25	#Max	QPSK	20.86
Band25	10	26640	50	#0	QPSK	20.97
Band25	10	26640	1	#0	QAM16	20.68
Band25	10	26640	1	#Mid	QAM16	20.88
Band25	10	26640	1	#Max	QAM16	20.79



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band25	10	26640	25	#0	QAM16	20.08
Band25	10	26640	25	#Mid	QAM16	19.95
Band25	10	26640	25	#Max	QAM16	19.94
Band25	10	26640	50	#0	QAM16	19.94
Band25	15	26115	1	#0	QPSK	21.83
Band25	15	26115	1	#Mid	QPSK	21.94
Band25	15	26115	1	#Max	QPSK	21.92
Band25	15	26115	36	#0	QPSK	20.77
Band25	15	26115	36	#Mid	QPSK	20.89
Band25	15	26115	36	#Max	QPSK	21.03
Band25	15	26115	75	#0	QPSK	20.89
Band25	15	26115	1	#0	QAM16	21.26
Band25	15	26115	1	#Mid	QAM16	21.31
Band25	15	26115	1	#Max	QAM16	21.33
Band25	15	26115	36	#0	QAM16	19.78
Band25	15	26115	36	#Mid	QAM16	19.98
Band25	15	26115	36	#Max	QAM16	20.05
Band25	15	26115	75	#0	QAM16	19.93
Band25	15	26365	1	#0	QPSK	21.99
Band25	15	26365	1	#Mid	QPSK	22.11
Band25	15	26365	1	#Max	QPSK	22.04
Band25	15	26365	36	#0	QPSK	21.08
Band25	15	26365	36	#Mid	QPSK	21.1
Band25	15	26365	36	#Max	QPSK	21.07
Band25	15	26365	75	#0	QPSK	21.07
Band25	15	26365	1	#0	QAM16	21.16
Band25	15	26365	1	#Mid	QAM16	21.29
Band25	15	26365	1	#Max	QAM16	21.15
Band25	15	26365	36	#0	QAM16	20.19
Band25	15	26365	36	#Mid	QAM16	20.21
Band25	15	26365	36	#Max	QAM16	20.15
Band25	15	26365	75	#0	QAM16	20.08
Band25	15	26615	1	#0	QPSK	21.83
Band25	15	26615	1	#Mid	QPSK	21.94
Band25	15	26615	1	#Max	QPSK	21.96
Band25	15	26615	36	#0	QPSK	20.88
Band25	15	26615	36	#Mid	QPSK	20.87
Band25	15	26615	36	#Max	QPSK	20.83
Band25	15	26615	75	#0	QPSK	20.89
Band25	15	26615	1	#0	QAM16	20.86
Band25	15	26615	1	#Mid	QAM16	20.97
Band25	15	26615	1	#Max	QAM16	20.97
Band25	15	26615	36	#0	QAM16	19.9
Band25	15	26615	36	#Mid	QAM16	19.9



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band25	15	26615	36	#Max	QAM16	19.87
Band25	15	26615	75	#0	QAM16	19.91
Band25	20	26140	1	#0	QPSK	21.78
Band25	20	26140	1	#Mid	QPSK	21.97
Band25	20	26140	1	#Max	QPSK	21.96
Band25	20	26140	50	#0	QPSK	20.68
Band25	20	26140	50	#Mid	QPSK	20.95
Band25	20	26140	50	#Max	QPSK	21.08
Band25	20	26140	100	#0	QPSK	20.87
Band25	20	26140	1	#0	QAM16	20.98
Band25	20	26140	1	#Mid	QAM16	21.2
Band25	20	26140	1	#Max	QAM16	21.18
Band25	20	26140	50	#0	QAM16	19.77
Band25	20	26140	50	#Mid	QAM16	20.02
Band25	20	26140	50	#Max	QAM16	20.16
Band25	20	26140	100	#0	QAM16	19.93
Band25	20	26365	1	#0	QPSK	21.84
Band25	20	26365	1	#Mid	QPSK	22.14
Band25	20	26365	1	#Max	QPSK	21.92
Band25	20	26365	50	#0	QPSK	21.15
Band25	20	26365	50	#Mid	QPSK	21.13
Band25	20	26365	50	#Max	QPSK	21.08
Band25	20	26365	100	#0	QPSK	21.1
Band25	20	26365	1	#0	QAM16	21.17
Band25	20	26365	1	#Mid	QAM16	21.45
Band25	20	26365	1	#Max	QAM16	21.19
Band25	20	26365	50	#0	QAM16	20.26
Band25	20	26365	50	#Mid	QAM16	20.19
Band25	20	26365	50	#Max	QAM16	20.16
Band25	20	26365	100	#0	QAM16	20.14
Band25	20	26590	1	#0	QPSK	21.81
Band25	20	26590	1	#Mid	QPSK	21.94
Band25	20	26590	1	#Max	QPSK	21.91
Band25	20	26590	50	#0	QPSK	20.8
Band25	20	26590	50	#Mid	QPSK	20.89
Band25	20	26590	50	#Max	QPSK	20.64
Band25	20	26590	100	#0	QPSK	20.75
Band25	20	26590	1	#0	QAM16	20.93
Band25	20	26590	1	#Mid	QAM16	21.13
Band25	20	26590	1	#Max	QAM16	21.08
Band25	20	26590	50	#0	QAM16	19.82
Band25	20	26590	50	#Mid	QAM16	19.96
Band25	20	26590	50	#Max	QAM16	19.65
Band25	20	26590	100	#0	QAM16	19.75



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band26(814-824)	1.4	26697	1	#0	QPSK	21.95
Band26(814-824)	1.4	26697	1	#Mid	QPSK	22.03
Band26(814-824)	1.4	26697	1	#Max	QPSK	21.98
Band26(814-824)	1.4	26697	3	#0	QPSK	21.97
Band26(814-824)	1.4	26697	3	#Mid	QPSK	22.03
Band26(814-824)	1.4	26697	3	#Max	QPSK	22.01
Band26(814-824)	1.4	26697	6	#0	QPSK	21.07
Band26(814-824)	1.4	26697	1	#0	QAM16	21.05
Band26(814-824)	1.4	26697	1	#Mid	QAM16	21.16
Band26(814-824)	1.4	26697	1	#Max	QAM16	21.06
Band26(814-824)	1.4	26697	3	#0	QAM16	21.2
Band26(814-824)	1.4	26697	3	#Mid	QAM16	21.2
Band26(814-824)	1.4	26697	3	#Max	QAM16	21.19
Band26(814-824)	1.4	26697	6	#0	QAM16	20.26
Band26(814-824)	1.4	26740	1	#0	QPSK	21.96
Band26(814-824)	1.4	26740	1	#Mid	QPSK	22.04
Band26(814-824)	1.4	26740	1	#Max	QPSK	21.98
Band26(814-824)	1.4	26740	3	#0	QPSK	21.97
Band26(814-824)	1.4	26740	3	#Mid	QPSK	22.02
Band26(814-824)	1.4	26740	3	#Max	QPSK	22
Band26(814-824)	1.4	26740	6	#0	QPSK	21.07
Band26(814-824)	1.4	26740	1	#0	QAM16	21.06
Band26(814-824)	1.4	26740	1	#Mid	QAM16	21.15
Band26(814-824)	1.4	26740	1	#Max	QAM16	21.07
Band26(814-824)	1.4	26740	3	#0	QAM16	21.19
Band26(814-824)	1.4	26740	3	#Mid	QAM16	21.22
Band26(814-824)	1.4	26740	3	#Max	QAM16	21.2
Band26(814-824)	1.4	26740	6	#0	QAM16	20.27
Band26(814-824)	1.4	26783	1	#0	QPSK	21.97
Band26(814-824)	1.4	26783	1	#Mid	QPSK	22.06
Band26(814-824)	1.4	26783	1	#Max	QPSK	21.99
Band26(814-824)	1.4	26783	3	#0	QPSK	21.99



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band26(814-824)	1.4	26783	3	#Mid	QPSK	22.03
Band26(814-824)	1.4	26783	3	#Max	QPSK	22.03
Band26(814-824)	1.4	26783	6	#0	QPSK	21.07
Band26(814-824)	1.4	26783	1	#0	QAM16	21.08
Band26(814-824)	1.4	26783	1	#Mid	QAM16	21.17
Band26(814-824)	1.4	26783	1	#Max	QAM16	21.07
Band26(814-824)	1.4	26783	3	#0	QAM16	21.19
Band26(814-824)	1.4	26783	3	#Mid	QAM16	21.24
Band26(814-824)	1.4	26783	3	#Max	QAM16	21.18
Band26(814-824)	1.4	26783	6	#0	QAM16	20.26
Band26(814-824)	3	26705	1	#0	QPSK	21.71
Band26(814-824)	3	26705	1	#Mid	QPSK	21.88
Band26(814-824)	3	26705	1	#Max	QPSK	21.78
Band26(814-824)	3	26705	8	#0	QPSK	20.97
Band26(814-824)	3	26705	8	#Mid	QPSK	21.04
Band26(814-824)	3	26705	8	#Max	QPSK	20.99
Band26(814-824)	3	26705	15	#0	QPSK	20.99
Band26(814-824)	3	26705	1	#0	QAM16	21.22
Band26(814-824)	3	26705	1	#Mid	QAM16	21.37
Band26(814-824)	3	26705	1	#Max	QAM16	21.27
Band26(814-824)	3	26705	8	#0	QAM16	20.05
Band26(814-824)	3	26705	8	#Mid	QAM16	20.09
Band26(814-824)	3	26705	8	#Max	QAM16	20.04
Band26(814-824)	3	26705	15	#0	QAM16	20.05
Band26(814-824)	3	26740	1	#0	QPSK	21.73
Band26(814-824)	3	26740	1	#Mid	QPSK	21.86
Band26(814-824)	3	26740	1	#Max	QPSK	21.78
Band26(814-824)	3	26740	8	#0	QPSK	20.97
Band26(814-824)	3	26740	8	#Mid	QPSK	21.03
Band26(814-824)	3	26740	8	#Max	QPSK	21.01
Band26(814-824)	3	26740	15	#0	QPSK	20.98
Band26(814-824)	3	26740	1	#0	QAM16	21.24



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band26(814-824)	3	26740	1	#Mid	QAM16	21.35
Band26(814-824)	3	26740	1	#Max	QAM16	21.29
Band26(814-824)	3	26740	8	#0	QAM16	20.05
Band26(814-824)	3	26740	8	#Mid	QAM16	20.09
Band26(814-824)	3	26740	8	#Max	QAM16	20.04
Band26(814-824)	3	26740	15	#0	QAM16	20.04
Band26(814-824)	3	26775	1	#0	QPSK	21.75
Band26(814-824)	3	26775	1	#Mid	QPSK	21.88
Band26(814-824)	3	26775	1	#Max	QPSK	21.8
Band26(814-824)	3	26775	8	#0	QPSK	20.97
Band26(814-824)	3	26775	8	#Mid	QPSK	21.05
Band26(814-824)	3	26775	8	#Max	QPSK	21.03
Band26(814-824)	3	26775	15	#0	QPSK	21
Band26(814-824)	3	26775	1	#0	QAM16	21.23
Band26(814-824)	3	26775	1	#Mid	QAM16	21.37
Band26(814-824)	3	26775	1	#Max	QAM16	21.3
Band26(814-824)	3	26775	8	#0	QAM16	20.05
Band26(814-824)	3	26775	8	#Mid	QAM16	20.1
Band26(814-824)	3	26775	8	#Max	QAM16	20.03
Band26(814-824)	3	26775	15	#0	QAM16	20.05
Band26(814-824)	5	26715	1	#0	QPSK	22.01
Band26(814-824)	5	26715	1	#Mid	QPSK	22.13
Band26(814-824)	5	26715	1	#Max	QPSK	22.1
Band26(814-824)	5	26715	12	#0	QPSK	21.07
Band26(814-824)	5	26715	12	#Mid	QPSK	21.12
Band26(814-824)	5	26715	12	#Max	QPSK	21.05
Band26(814-824)	5	26715	25	#0	QPSK	21.1
Band26(814-824)	5	26715	1	#0	QAM16	21.61
Band26(814-824)	5	26715	1	#Mid	QAM16	21.74
Band26(814-824)	5	26715	1	#Max	QAM16	21.7
Band26(814-824)	5	26715	12	#0	QAM16	20.1
Band26(814-824)	5	26715	12	#Mid	QAM16	20.14



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band26(814-824)	5	26715	12	#Max	QAM16	20.09
Band26(814-824)	5	26715	25	#0	QAM16	20.09
Band26(814-824)	5	26740	1	#0	QPSK	22
Band26(814-824)	5	26740	1	#Mid	QPSK	22.15
Band26(814-824)	5	26740	1	#Max	QPSK	22.11
Band26(814-824)	5	26740	12	#0	QPSK	21.07
Band26(814-824)	5	26740	12	#Mid	QPSK	21.13
Band26(814-824)	5	26740	12	#Max	QPSK	21.05
Band26(814-824)	5	26740	25	#0	QPSK	21.11
Band26(814-824)	5	26740	1	#0	QAM16	21.62
Band26(814-824)	5	26740	1	#Mid	QAM16	21.75
Band26(814-824)	5	26740	1	#Max	QAM16	21.67
Band26(814-824)	5	26740	12	#0	QAM16	20.11
Band26(814-824)	5	26740	12	#Mid	QAM16	20.14
Band26(814-824)	5	26740	12	#Max	QAM16	20.08
Band26(814-824)	5	26740	25	#0	QAM16	20.1
Band26(814-824)	5	26765	1	#0	QPSK	22.05
Band26(814-824)	5	26765	1	#Mid	QPSK	22.15
Band26(814-824)	5	26765	1	#Max	QPSK	22.11
Band26(814-824)	5	26765	12	#0	QPSK	21.09
Band26(814-824)	5	26765	12	#Mid	QPSK	21.16
Band26(814-824)	5	26765	12	#Max	QPSK	21.06
Band26(814-824)	5	26765	25	#0	QPSK	21.07
Band26(814-824)	5	26765	1	#0	QAM16	21.63
Band26(814-824)	5	26765	1	#Mid	QAM16	21.74
Band26(814-824)	5	26765	1	#Max	QAM16	21.71
Band26(814-824)	5	26765	12	#0	QAM16	20.09
Band26(814-824)	5	26765	12	#Mid	QAM16	20.14
Band26(814-824)	5	26765	12	#Max	QAM16	20.07
Band26(814-824)	5	26765	25	#0	QAM16	20.08
Band38	5	37775	1	#0	QPSK	23.08
Band38	5	37775	1	#Mid	QPSK	23.19
Band38	5	37775	1	#Max	QPSK	23.09



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band38	5	37775	12	#0	QPSK	22.15
Band38	5	37775	12	#Mid	QPSK	22.17
Band38	5	37775	12	#Max	QPSK	22.13
Band38	5	37775	25	#0	QPSK	22.11
Band38	5	37775	1	#0	QAM16	22.37
Band38	5	37775	1	#Mid	QAM16	22.49
Band38	5	37775	1	#Max	QAM16	22.36
Band38	5	37775	12	#0	QAM16	21.12
Band38	5	37775	12	#Mid	QAM16	21.14
Band38	5	37775	12	#Max	QAM16	21.11
Band38	5	37775	25	#0	QAM16	21.06
Band38	5	38000	1	#0	QPSK	22.43
Band38	5	38000	1	#Mid	QPSK	22.86
Band38	5	38000	1	#Max	QPSK	22.69
Band38	5	38000	12	#0	QPSK	21.75
Band38	5	38000	12	#Mid	QPSK	21.78
Band38	5	38000	12	#Max	QPSK	21.78
Band38	5	38000	25	#0	QPSK	21.75
Band38	5	38000	1	#0	QAM16	22.25
Band38	5	38000	1	#Mid	QAM16	22.35
Band38	5	38000	1	#Max	QAM16	22.12
Band38	5	38000	12	#0	QAM16	20.7
Band38	5	38000	12	#Mid	QAM16	20.72
Band38	5	38000	12	#Max	QAM16	20.77
Band38	5	38000	25	#0	QAM16	20.72
Band38	5	38225	1	#0	QPSK	22.78
Band38	5	38225	1	#Mid	QPSK	22.92
Band38	5	38225	1	#Max	QPSK	22.9
Band38	5	38225	12	#0	QPSK	21.73
Band38	5	38225	12	#Mid	QPSK	21.88
Band38	5	38225	12	#Max	QPSK	21.88
Band38	5	38225	25	#0	QPSK	21.83
Band38	5	38225	1	#0	QAM16	21.97
Band38	5	38225	1	#Mid	QAM16	22.12
Band38	5	38225	1	#Max	QAM16	22.08
Band38	5	38225	12	#0	QAM16	20.65
Band38	5	38225	12	#Mid	QAM16	20.81
Band38	5	38225	12	#Max	QAM16	20.8
Band38	5	38225	25	#0	QAM16	20.84
Band38	10	37800	1	#0	QPSK	23.18
Band38	10	37800	1	#Mid	QPSK	23.24
Band38	10	37800	1	#Max	QPSK	23.22
Band38	10	37800	25	#0	QPSK	22.14
Band38	10	37800	25	#Mid	QPSK	22.15



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band38	10	37800	25	#Max	QPSK	22.15
Band38	10	37800	50	#0	QPSK	22.16
Band38	10	37800	1	#0	QAM16	22.27
Band38	10	37800	1	#Mid	QAM16	22.31
Band38	10	37800	1	#Max	QAM16	22.28
Band38	10	37800	25	#0	QAM16	21.13
Band38	10	37800	25	#Mid	QAM16	21.15
Band38	10	37800	25	#Max	QAM16	21.15
Band38	10	37800	50	#0	QAM16	21.15
Band38	10	38000	1	#0	QPSK	22.89
Band38	10	38000	1	#Mid	QPSK	22.87
Band38	10	38000	1	#Max	QPSK	22.76
Band38	10	38000	25	#0	QPSK	21.73
Band38	10	38000	25	#Mid	QPSK	21.76
Band38	10	38000	25	#Max	QPSK	21.77
Band38	10	38000	50	#0	QPSK	21.75
Band38	10	38000	1	#0	QAM16	21.81
Band38	10	38000	1	#Mid	QAM16	21.56
Band38	10	38000	1	#Max	QAM16	21.64
Band38	10	38000	25	#0	QAM16	20.74
Band38	10	38000	25	#Mid	QAM16	20.73
Band38	10	38000	25	#Max	QAM16	20.77
Band38	10	38000	50	#0	QAM16	20.69
Band38	10	38200	1	#0	QPSK	22.75
Band38	10	38200	1	#Mid	QPSK	22.89
Band38	10	38200	1	#Max	QPSK	22.95
Band38	10	38200	25	#0	QPSK	21.7
Band38	10	38200	25	#Mid	QPSK	21.83
Band38	10	38200	25	#Max	QPSK	21.95
Band38	10	38200	50	#0	QPSK	21.82
Band38	10	38200	1	#0	QAM16	22.16
Band38	10	38200	1	#Mid	QAM16	22.3
Band38	10	38200	1	#Max	QAM16	22.37
Band38	10	38200	25	#0	QAM16	20.7
Band38	10	38200	25	#Mid	QAM16	20.84
Band38	10	38200	25	#Max	QAM16	20.98
Band38	10	38200	50	#0	QAM16	20.79
Band38	15	37825	1	#0	QPSK	23.1
Band38	15	37825	1	#Mid	QPSK	23.18
Band38	15	37825	1	#Max	QPSK	23.09
Band38	15	37825	36	#0	QPSK	22.15
Band38	15	37825	36	#Mid	QPSK	22.19
Band38	15	37825	36	#Max	QPSK	22.13
Band38	15	37825	75	#0	QPSK	22.18



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band38	15	37825	1	#0	QAM16	22.53
Band38	15	37825	1	#Mid	QAM16	22.6
Band38	15	37825	1	#Max	QAM16	22.46
Band38	15	37825	36	#0	QAM16	21.15
Band38	15	37825	36	#Mid	QAM16	21.19
Band38	15	37825	36	#Max	QAM16	21.15
Band38	15	37825	75	#0	QAM16	21.11
Band38	15	38000	1	#0	QPSK	22.93
Band38	15	38000	1	#Mid	QPSK	22.83
Band38	15	38000	1	#Max	QPSK	22.69
Band38	15	38000	36	#0	QPSK	21.81
Band38	15	38000	36	#Mid	QPSK	21.82
Band38	15	38000	36	#Max	QPSK	21.78
Band38	15	38000	75	#0	QPSK	21.82
Band38	15	38000	1	#0	QAM16	21.98
Band38	15	38000	1	#Mid	QAM16	21.93
Band38	15	38000	1	#Max	QAM16	20.98
Band38	15	38000	36	#0	QAM16	20.83
Band38	15	38000	36	#Mid	QAM16	20.86
Band38	15	38000	36	#Max	QAM16	20.86
Band38	15	38000	75	#0	QAM16	20.77
Band38	15	38175	1	#0	QPSK	22.7
Band38	15	38175	1	#Mid	QPSK	22.97
Band38	15	38175	1	#Max	QPSK	22.99
Band38	15	38175	36	#0	QPSK	21.61
Band38	15	38175	36	#Mid	QPSK	21.85
Band38	15	38175	36	#Max	QPSK	21.93
Band38	15	38175	75	#0	QPSK	21.85
Band38	15	38175	1	#0	QAM16	21.78
Band38	15	38175	1	#Mid	QAM16	22.04
Band38	15	38175	1	#Max	QAM16	22.08
Band38	15	38175	36	#0	QAM16	20.55
Band38	15	38175	36	#Mid	QAM16	20.78
Band38	15	38175	36	#Max	QAM16	20.87
Band38	15	38175	75	#0	QAM16	20.86
Band38	20	37850	1	#0	QPSK	23.08
Band38	20	37850	1	#Mid	QPSK	23.28
Band38	20	37850	1	#Max	QPSK	22.93
Band38	20	37850	50	#0	QPSK	22.07
Band38	20	37850	50	#Mid	QPSK	22.13
Band38	20	37850	50	#Max	QPSK	22.05
Band38	20	37850	100	#0	QPSK	22.06
Band38	20	37850	1	#0	QAM16	22.16
Band38	20	37850	1	#Mid	QAM16	22.37



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band38	20	37850	1	#Max	QAM16	22.02
Band38	20	37850	50	#0	QAM16	21.12
Band38	20	37850	50	#Mid	QAM16	21.12
Band38	20	37850	50	#Max	QAM16	21.09
Band38	20	37850	100	#0	QAM16	21.02
Band38	20	38000	1	#0	QPSK	22.14
Band38	20	38000	1	#Mid	QPSK	22.9
Band38	20	38000	1	#Max	QPSK	21.66
Band38	20	38000	50	#0	QPSK	21.71
Band38	20	38000	50	#Mid	QPSK	21.78
Band38	20	38000	50	#Max	QPSK	21.83
Band38	20	38000	100	#0	QPSK	21.81
Band38	20	38000	1	#0	QAM16	22.13
Band38	20	38000	1	#Mid	QAM16	22.05
Band38	20	38000	1	#Max	QAM16	21.83
Band38	20	38000	50	#0	QAM16	21.67
Band38	20	38000	50	#Mid	QAM16	20.8
Band38	20	38000	50	#Max	QAM16	20.89
Band38	20	38000	100	#0	QAM16	20.78
Band38	20	38150	1	#0	QPSK	22.6
Band38	20	38150	1	#Mid	QPSK	22.91
Band38	20	38150	1	#Max	QPSK	22.92
Band38	20	38150	50	#0	QPSK	21.43
Band38	20	38150	50	#Mid	QPSK	21.79
Band38	20	38150	50	#Max	QPSK	21.93
Band38	20	38150	100	#0	QPSK	21.72
Band38	20	38150	1	#0	QAM16	21.67
Band38	20	38150	1	#Mid	QAM16	21.98
Band38	20	38150	1	#Max	QAM16	22
Band38	20	38150	50	#0	QAM16	20.4
Band38	20	38150	50	#Mid	QAM16	20.76
Band38	20	38150	50	#Max	QAM16	20.91
Band38	20	38150	100	#0	QAM16	20.72
Band40(2305-2315)	5	38725	1	#0	QPSK	22.93
Band40(2305-2315)	5	38725	1	#Mid	QPSK	23.03
Band40(2305-2315)	5	38725	1	#Max	QPSK	22.95
Band40(2305-2315)	5	38725	12	#0	QPSK	21.87
Band40(2305-2315)	5	38725	12	#Mid	QPSK	21.97
Band40(2305-2315)	5	38725	12	#Max	QPSK	21.93
Band40(2305-2315)	5	38725	25	#0	QPSK	21.89
Band40(2305-2315)	5	38725	1	#0	QAM16	22.82



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band40(2305-2315)	5	38725	1	#Mid	QAM16	22.97
Band40(2305-2315)	5	38725	1	#Max	QAM16	22.88
Band40(2305-2315)	5	38725	12	#0	QAM16	21.82
Band40(2305-2315)	5	38725	12	#Mid	QAM16	21.96
Band40(2305-2315)	5	38725	12	#Max	QAM16	21.92
Band40(2305-2315)	5	38725	25	#0	QAM16	21.93
Band40(2305-2315)	5	38750	1	#0	QPSK	22.82
Band40(2305-2315)	5	38750	1	#Mid	QPSK	22.97
Band40(2305-2315)	5	38750	1	#Max	QPSK	22.88
Band40(2305-2315)	5	38750	12	#0	QPSK	21.82
Band40(2305-2315)	5	38750	12	#Mid	QPSK	21.96
Band40(2305-2315)	5	38750	12	#Max	QPSK	21.92
Band40(2305-2315)	5	38750	25	#0	QPSK	21.93
Band40(2305-2315)	5	38750	1	#0	QAM16	22.92
Band40(2305-2315)	5	38750	1	#Mid	QAM16	23
Band40(2305-2315)	5	38750	1	#Max	QAM16	23.03
Band40(2305-2315)	5	38750	12	#0	QAM16	21.89
Band40(2305-2315)	5	38750	12	#Mid	QAM16	21.98
Band40(2305-2315)	5	38750	12	#Max	QAM16	22.08
Band40(2305-2315)	5	38750	25	#0	QAM16	21.99
Band40(2305-2315)	5	38775	1	#0	QPSK	22.92
Band40(2305-2315)	5	38775	1	#Mid	QPSK	23.07
Band40(2305-2315)	5	38775	1	#Max	QPSK	23.02
Band40(2305-2315)	5	38775	12	#0	QPSK	21.91
Band40(2305-2315)	5	38775	12	#Mid	QPSK	21.97
Band40(2305-2315)	5	38775	12	#Max	QPSK	22
Band40(2305-2315)	5	38775	25	#0	QPSK	21.95
Band40(2305-2315)	5	38775	1	#0	QAM16	21.96
Band40(2305-2315)	5	38775	1	#Mid	QAM16	22.12
Band40(2305-2315)	5	38775	1	#Max	QAM16	22.04
Band40(2305-2315)	5	38775	12	#0	QAM16	20.58
Band40(2305-2315)	5	38775	12	#Mid	QAM16	20.72



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band40(2305-2315)	5	38775	12	#Max	QAM16	20.75
Band40(2305-2315)	5	38775	25	#0	QAM16	20.77
Band40(2305-2315)	10	38750	1	#0	QPSK	22.92
Band40(2305-2315)	10	38750	1	#Mid	QPSK	23
Band40(2305-2315)	10	38750	1	#Max	QPSK	23.03
Band40(2305-2315)	10	38750	25	#0	QPSK	21.89
Band40(2305-2315)	10	38750	25	#Mid	QPSK	21.98
Band40(2305-2315)	10	38750	25	#Max	QPSK	22.08
Band40(2305-2315)	10	38750	50	#0	QPSK	21.99
Band40(2305-2315)	10	38750	1	#0	QAM16	22.2
Band40(2305-2315)	10	38750	1	#Mid	QAM16	22.28
Band40(2305-2315)	10	38750	1	#Max	QAM16	22.32
Band40(2305-2315)	10	38750	25	#0	QAM16	20.6
Band40(2305-2315)	10	38750	25	#Mid	QAM16	20.82
Band40(2305-2315)	10	38750	25	#Max	QAM16	20.96
Band40(2305-2315)	10	38750	50	#0	QAM16	20.8
Band41(2555-2655)	5	40265	1	#0	QPSK	21.62
Band41(2555-2655)	5	40265	1	#Mid	QPSK	21.78
Band41(2555-2655)	5	40265	1	#Max	QPSK	21.67
Band41(2555-2655)	5	40265	12	#0	QPSK	20.68
Band41(2555-2655)	5	40265	12	#Mid	QPSK	20.71
Band41(2555-2655)	5	40265	12	#Max	QPSK	20.62
Band41(2555-2655)	5	40265	25	#0	QPSK	20.63
Band41(2555-2655)	5	40265	1	#0	QAM16	21.21
Band41(2555-2655)	5	40265	1	#Mid	QAM16	21.37
Band41(2555-2655)	5	40265	1	#Max	QAM16	21.25
Band41(2555-2655)	5	40265	12	#0	QAM16	19.68
Band41(2555-2655)	5	40265	12	#Mid	QAM16	19.68
Band41(2555-2655)	5	40265	12	#Max	QAM16	19.64
Band41(2555-2655)	5	40265	25	#0	QAM16	19.66
Band41(2555-2655)	5	40740	1	#0	QPSK	21.35
Band41(2555-2655)	5	40740	1	#Mid	QPSK	21.41



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band41(2555-2655)	5	40740	1	#Max	QPSK	21.32
Band41(2555-2655)	5	40740	12	#0	QPSK	20.27
Band41(2555-2655)	5	40740	12	#Mid	QPSK	20.31
Band41(2555-2655)	5	40740	12	#Max	QPSK	20.21
Band41(2555-2655)	5	40740	25	#0	QPSK	20.32
Band41(2555-2655)	5	40740	1	#0	QAM16	20.87
Band41(2555-2655)	5	40740	1	#Mid	QAM16	20.72
Band41(2555-2655)	5	40740	1	#Max	QAM16	20.9
Band41(2555-2655)	5	40740	12	#0	QAM16	19.24
Band41(2555-2655)	5	40740	12	#Mid	QAM16	19.33
Band41(2555-2655)	5	40740	12	#Max	QAM16	19.38
Band41(2555-2655)	5	40740	25	#0	QAM16	19.27
Band41(2555-2655)	5	41215	1	#0	QPSK	21.43
Band41(2555-2655)	5	41215	1	#Mid	QPSK	21.58
Band41(2555-2655)	5	41215	1	#Max	QPSK	21.46
Band41(2555-2655)	5	41215	12	#0	QPSK	20.53
Band41(2555-2655)	5	41215	12	#Mid	QPSK	20.58
Band41(2555-2655)	5	41215	12	#Max	QPSK	20.51
Band41(2555-2655)	5	41215	25	#0	QPSK	20.5
Band41(2555-2655)	5	41215	1	#0	QAM16	20.79
Band41(2555-2655)	5	41215	1	#Mid	QAM16	20.93
Band41(2555-2655)	5	41215	1	#Max	QAM16	20.8
Band41(2555-2655)	5	41215	12	#0	QAM16	19.56
Band41(2555-2655)	5	41215	12	#Mid	QAM16	19.62
Band41(2555-2655)	5	41215	12	#Max	QAM16	19.52
Band41(2555-2655)	5	41215	25	#0	QAM16	19.5
Band41(2555-2655)	10	40290	1	#0	QPSK	21.67
Band41(2555-2655)	10	40290	1	#Mid	QPSK	21.73
Band41(2555-2655)	10	40290	1	#Max	QPSK	21.75
Band41(2555-2655)	10	40290	25	#0	QPSK	21.69
Band41(2555-2655)	10	40290	25	#Mid	QPSK	20.69
Band41(2555-2655)	10	40290	25	#Max	QPSK	20.66



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band41(2555-2655)	10	40290	50	#0	QPSK	20.68
Band41(2555-2655)	10	40290	1	#0	QAM16	21.12
Band41(2555-2655)	10	40290	1	#Mid	QAM16	21.2
Band41(2555-2655)	10	40290	1	#Max	QAM16	21.02
Band41(2555-2655)	10	40290	25	#0	QAM16	19.74
Band41(2555-2655)	10	40290	25	#Mid	QAM16	19.74
Band41(2555-2655)	10	40290	25	#Max	QAM16	19.68
Band41(2555-2655)	10	40290	50	#0	QAM16	19.7
Band41(2555-2655)	10	40740	1	#0	QPSK	21.42
Band41(2555-2655)	10	40740	1	#Mid	QPSK	21.42
Band41(2555-2655)	10	40740	1	#Max	QPSK	21.4
Band41(2555-2655)	10	40740	25	#0	QPSK	20.22
Band41(2555-2655)	10	40740	25	#Mid	QPSK	20.34
Band41(2555-2655)	10	40740	25	#Max	QPSK	20.48
Band41(2555-2655)	10	40740	50	#0	QPSK	20.34
Band41(2555-2655)	10	40740	1	#0	QAM16	20.28
Band41(2555-2655)	10	40740	1	#Mid	QAM16	20.3
Band41(2555-2655)	10	40740	1	#Max	QAM16	20.28
Band41(2555-2655)	10	40740	25	#0	QAM16	19.26
Band41(2555-2655)	10	40740	25	#Mid	QAM16	19.35
Band41(2555-2655)	10	40740	25	#Max	QAM16	19.46
Band41(2555-2655)	10	40740	50	#0	QAM16	19.3
Band41(2555-2655)	10	41190	1	#0	QPSK	21.45
Band41(2555-2655)	10	41190	1	#Mid	QPSK	21.58
Band41(2555-2655)	10	41190	1	#Max	QPSK	21.54
Band41(2555-2655)	10	41190	25	#0	QPSK	21.41
Band41(2555-2655)	10	41190	25	#Mid	QPSK	20.55
Band41(2555-2655)	10	41190	25	#Max	QPSK	20.52
Band41(2555-2655)	10	41190	50	#0	QPSK	20.53
Band41(2555-2655)	10	41190	1	#0	QAM16	20.94
Band41(2555-2655)	10	41190	1	#Mid	QAM16	21.05
Band41(2555-2655)	10	41190	1	#Max	QAM16	21.05



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band41(2555-2655)	10	41190	25	#0	QAM16	19.57
Band41(2555-2655)	10	41190	25	#Mid	QAM16	19.61
Band41(2555-2655)	10	41190	25	#Max	QAM16	19.58
Band41(2555-2655)	10	41190	50	#0	QAM16	19.57
Band41(2555-2655)	15	40315	1	#0	QPSK	21.58
Band41(2555-2655)	15	40315	1	#Mid	QPSK	21.7
Band41(2555-2655)	15	40315	1	#Max	QPSK	21.68
Band41(2555-2655)	15	40315	36	#0	QPSK	20.68
Band41(2555-2655)	15	40315	36	#Mid	QPSK	20.72
Band41(2555-2655)	15	40315	36	#Max	QPSK	20.7
Band41(2555-2655)	15	40315	75	#0	QPSK	20.7
Band41(2555-2655)	15	40315	1	#0	QAM16	21.06
Band41(2555-2655)	15	40315	1	#Mid	QAM16	21.17
Band41(2555-2655)	15	40315	1	#Max	QAM16	21.1
Band41(2555-2655)	15	40315	36	#0	QAM16	19.72
Band41(2555-2655)	15	40315	36	#Mid	QAM16	19.73
Band41(2555-2655)	15	40315	36	#Max	QAM16	19.71
Band41(2555-2655)	15	40315	75	#0	QAM16	19.62
Band41(2555-2655)	15	40740	1	#0	QPSK	21.21
Band41(2555-2655)	15	40740	1	#Mid	QPSK	21.28
Band41(2555-2655)	15	40740	1	#Max	QPSK	21.2
Band41(2555-2655)	15	40740	36	#0	QPSK	20.05
Band41(2555-2655)	15	40740	36	#Mid	QPSK	20.17
Band41(2555-2655)	15	40740	36	#Max	QPSK	20.24
Band41(2555-2655)	15	40740	75	#0	QPSK	20.15
Band41(2555-2655)	15	40740	1	#0	QAM16	20.29
Band41(2555-2655)	15	40740	1	#Mid	QAM16	20.38
Band41(2555-2655)	15	40740	1	#Max	QAM16	20.29
Band41(2555-2655)	15	40740	36	#0	QAM16	19.01
Band41(2555-2655)	15	40740	36	#Mid	QAM16	19.14
Band41(2555-2655)	15	40740	36	#Max	QAM16	19.18
Band41(2555-2655)	15	40740	75	#0	QAM16	19.16



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band41(2555-2655)	15	41165	1	#0	QPSK	21.25
Band41(2555-2655)	15	41165	1	#Mid	QPSK	21.46
Band41(2555-2655)	15	41165	1	#Max	QPSK	21.47
Band41(2555-2655)	15	41165	36	#0	QPSK	20.42
Band41(2555-2655)	15	41165	36	#Mid	QPSK	20.46
Band41(2555-2655)	15	41165	36	#Max	QPSK	20.45
Band41(2555-2655)	15	41165	75	#0	QPSK	20.47
Band41(2555-2655)	15	41165	1	#0	QAM16	20.77
Band41(2555-2655)	15	41165	1	#Mid	QAM16	20.92
Band41(2555-2655)	15	41165	1	#Max	QAM16	20.94
Band41(2555-2655)	15	41165	36	#0	QAM16	19.45
Band41(2555-2655)	15	41165	36	#Mid	QAM16	19.53
Band41(2555-2655)	15	41165	36	#Max	QAM16	19.49
Band41(2555-2655)	15	41165	75	#0	QAM16	19.46
Band41(2555-2655)	20	40340	1	#0	QPSK	21.31
Band41(2555-2655)	20	40340	1	#Mid	QPSK	21.56
Band41(2555-2655)	20	40340	1	#Max	QPSK	21.43
Band41(2555-2655)	20	40340	50	#0	QPSK	20.5
Band41(2555-2655)	20	40340	50	#Mid	QPSK	20.49
Band41(2555-2655)	20	40340	50	#Max	QPSK	20.39
Band41(2555-2655)	20	40340	100	#0	QPSK	20.44
Band41(2555-2655)	20	40340	1	#0	QAM16	20.45
Band41(2555-2655)	20	40340	1	#Mid	QAM16	20.71
Band41(2555-2655)	20	40340	1	#Max	QAM16	20.54
Band41(2555-2655)	20	40340	50	#0	QAM16	19.51
Band41(2555-2655)	20	40340	50	#Mid	QAM16	19.5
Band41(2555-2655)	20	40340	50	#Max	QAM16	19.36
Band41(2555-2655)	20	40340	100	#0	QAM16	19.39
Band41(2555-2655)	20	40740	1	#0	QPSK	21.05
Band41(2555-2655)	20	40740	1	#Mid	QPSK	21.23
Band41(2555-2655)	20	40740	1	#Max	QPSK	21.09
Band41(2555-2655)	20	40740	50	#0	QPSK	19.94



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band41(2555-2655)	20	40740	50	#Mid	QPSK	20.2
Band41(2555-2655)	20	40740	50	#Max	QPSK	20.32
Band41(2555-2655)	20	40740	100	#0	QPSK	20.13
Band41(2555-2655)	20	40740	1	#0	QAM16	20.18
Band41(2555-2655)	20	40740	1	#Mid	QAM16	20.35
Band41(2555-2655)	20	40740	1	#Max	QAM16	20.22
Band41(2555-2655)	20	40740	50	#0	QAM16	18.98
Band41(2555-2655)	20	40740	50	#Mid	QAM16	19.25
Band41(2555-2655)	20	40740	50	#Max	QAM16	19.36
Band41(2555-2655)	20	40740	100	#0	QAM16	19.12
Band41(2555-2655)	20	41140	1	#0	QPSK	21.09
Band41(2555-2655)	20	41140	1	#Mid	QPSK	21.5
Band41(2555-2655)	20	41140	1	#Max	QPSK	21.47
Band41(2555-2655)	20	41140	50	#0	QPSK	20.48
Band41(2555-2655)	20	41140	50	#Mid	QPSK	20.5
Band41(2555-2655)	20	41140	50	#Max	QPSK	20.42
Band41(2555-2655)	20	41140	100	#0	QPSK	20.42
Band41(2555-2655)	20	41140	1	#0	QAM16	20.39
Band41(2555-2655)	20	41140	1	#Mid	QAM16	20.76
Band41(2555-2655)	20	41140	1	#Max	QAM16	20.7
Band41(2555-2655)	20	41140	50	#0	QAM16	19.57
Band41(2555-2655)	20	41140	50	#Mid	QAM16	19.6
Band41(2555-2655)	20	41140	50	#Max	QAM16	19.49
Band41(2555-2655)	20	41140	100	#0	QAM16	19.21
Band66	1.4	131979	1	#0	QPSK	23.33
Band66	1.4	131979	1	#Mid	QPSK	23.42
Band66	1.4	131979	1	#Max	QPSK	23.29
Band66	1.4	131979	3	#0	QPSK	23.45
Band66	1.4	131979	3	#Mid	QPSK	23.44
Band66	1.4	131979	3	#Max	QPSK	23.4
Band66	1.4	131979	6	#0	QPSK	22.49
Band66	1.4	131979	1	#0	QAM16	22.49
Band66	1.4	131979	1	#Mid	QAM16	22.57
Band66	1.4	131979	1	#Max	QAM16	22.55
Band66	1.4	131979	3	#0	QAM16	22.62



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band66	1.4	131979	3	#Mid	QAM16	22.66
Band66	1.4	131979	3	#Max	QAM16	22.66
Band66	1.4	131979	6	#0	QAM16	21.63
Band66	1.4	132322	1	#0	QPSK	23.48
Band66	1.4	132322	1	#Mid	QPSK	23.59
Band66	1.4	132322	1	#Max	QPSK	23.5
Band66	1.4	132322	3	#0	QPSK	23.49
Band66	1.4	132322	3	#Mid	QPSK	23.52
Band66	1.4	132322	3	#Max	QPSK	23.44
Band66	1.4	132322	6	#0	QPSK	22.6
Band66	1.4	132322	1	#0	QAM16	22.23
Band66	1.4	132322	1	#Mid	QAM16	22.35
Band66	1.4	132322	1	#Max	QAM16	22.27
Band66	1.4	132322	3	#0	QAM16	22.56
Band66	1.4	132322	3	#Mid	QAM16	22.59
Band66	1.4	132322	3	#Max	QAM16	22.58
Band66	1.4	132322	6	#0	QAM16	21.74
Band66	1.4	132665	1	#0	QPSK	23.35
Band66	1.4	132665	1	#Mid	QPSK	23.45
Band66	1.4	132665	1	#Max	QPSK	23.37
Band66	1.4	132665	3	#0	QPSK	23.29
Band66	1.4	132665	3	#Mid	QPSK	23.32
Band66	1.4	132665	3	#Max	QPSK	23.31
Band66	1.4	132665	6	#0	QPSK	22.43
Band66	1.4	132665	1	#0	QAM16	22.36
Band66	1.4	132665	1	#Mid	QAM16	22.45
Band66	1.4	132665	1	#Max	QAM16	22.38
Band66	1.4	132665	3	#0	QAM16	22.47
Band66	1.4	132665	3	#Mid	QAM16	22.5
Band66	1.4	132665	3	#Max	QAM16	22.44
Band66	1.4	132665	6	#0	QAM16	21.62
Band66	3	131987	1	#0	QPSK	23.19
Band66	3	131987	1	#Mid	QPSK	23.3
Band66	3	131987	1	#Max	QPSK	23.21
Band66	3	131987	8	#0	QPSK	22.4
Band66	3	131987	8	#Mid	QPSK	22.45
Band66	3	131987	8	#Max	QPSK	22.34
Band66	3	131987	15	#0	QPSK	22.34
Band66	3	131987	1	#0	QAM16	22.04
Band66	3	131987	1	#Mid	QAM16	22.16
Band66	3	131987	1	#Max	QAM16	22.02
Band66	3	131987	8	#0	QAM16	21.33
Band66	3	131987	8	#Mid	QAM16	21.41
Band66	3	131987	8	#Max	QAM16	21.33



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band66	3	131987	15	#0	QAM16	21.41
Band66	3	132322	1	#0	QPSK	23.25
Band66	3	132322	1	#Mid	QPSK	23.34
Band66	3	132322	1	#Max	QPSK	23.26
Band66	3	132322	8	#0	QPSK	22.46
Band66	3	132322	8	#Mid	QPSK	22.52
Band66	3	132322	8	#Max	QPSK	22.52
Band66	3	132322	15	#0	QPSK	22.45
Band66	3	132322	1	#0	QAM16	22.58
Band66	3	132322	1	#Mid	QAM16	22.71
Band66	3	132322	1	#Max	QAM16	22.64
Band66	3	132322	8	#0	QAM16	21.46
Band66	3	132322	8	#Mid	QAM16	21.51
Band66	3	132322	8	#Max	QAM16	21.48
Band66	3	132322	15	#0	QAM16	21.47
Band66	3	132657	1	#0	QPSK	23.12
Band66	3	132657	1	#Mid	QPSK	23.18
Band66	3	132657	1	#Max	QPSK	23.1
Band66	3	132657	8	#0	QPSK	22.3
Band66	3	132657	8	#Mid	QPSK	22.37
Band66	3	132657	8	#Max	QPSK	22.32
Band66	3	132657	15	#0	QPSK	22.28
Band66	3	132657	1	#0	QAM16	22.26
Band66	3	132657	1	#Mid	QAM16	22.37
Band66	3	132657	1	#Max	QAM16	22.3
Band66	3	132657	8	#0	QAM16	21.31
Band66	3	132657	8	#Mid	QAM16	21.34
Band66	3	132657	8	#Max	QAM16	21.3
Band66	3	132657	15	#0	QAM16	21.28
Band66	5	131997	1	#0	QPSK	23.36
Band66	5	131997	1	#Mid	QPSK	23.4
Band66	5	131997	1	#Max	QPSK	23.32
Band66	5	131997	12	#0	QPSK	22.38
Band66	5	131997	12	#Mid	QPSK	22.44
Band66	5	131997	12	#Max	QPSK	22.4
Band66	5	131997	25	#0	QPSK	22.4
Band66	5	131997	1	#0	QAM16	22.69
Band66	5	131997	1	#Mid	QAM16	22.77
Band66	5	131997	1	#Max	QAM16	22.68
Band66	5	131997	12	#0	QAM16	21.38
Band66	5	131997	12	#Mid	QAM16	21.48
Band66	5	131997	12	#Max	QAM16	21.45
Band66	5	131997	25	#0	QAM16	21.41
Band66	5	132322	1	#0	QPSK	23.49



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band66	5	132322	1	#Mid	QPSK	23.6
Band66	5	132322	1	#Max	QPSK	23.57
Band66	5	132322	12	#0	QPSK	22.5
Band66	5	132322	12	#Mid	QPSK	22.59
Band66	5	132322	12	#Max	QPSK	22.53
Band66	5	132322	25	#0	QPSK	22.53
Band66	5	132322	1	#0	QAM16	22.93
Band66	5	132322	1	#Mid	QAM16	23.06
Band66	5	132322	1	#Max	QAM16	22.99
Band66	5	132322	12	#0	QAM16	21.49
Band66	5	132322	12	#Mid	QAM16	21.55
Band66	5	132322	12	#Max	QAM16	21.52
Band66	5	132322	25	#0	QAM16	21.46
Band66	5	132647	1	#0	QPSK	23.36
Band66	5	132647	1	#Mid	QPSK	23.46
Band66	5	132647	1	#Max	QPSK	23.37
Band66	5	132647	12	#0	QPSK	22.37
Band66	5	132647	12	#Mid	QPSK	22.41
Band66	5	132647	12	#Max	QPSK	22.33
Band66	5	132647	25	#0	QPSK	22.37
Band66	5	132647	1	#0	QAM16	22.6
Band66	5	132647	1	#Mid	QAM16	22.72
Band66	5	132647	1	#Max	QAM16	22.66
Band66	5	132647	12	#0	QAM16	21.33
Band66	5	132647	12	#Mid	QAM16	21.37
Band66	5	132647	12	#Max	QAM16	21.29
Band66	5	132647	25	#0	QAM16	21.39
Band66	10	132022	1	#0	QPSK	23.46
Band66	10	132022	1	#Mid	QPSK	23.49
Band66	10	132022	1	#Max	QPSK	23.49
Band66	10	132022	25	#0	QPSK	22.4
Band66	10	132022	25	#Mid	QPSK	22.49
Band66	10	132022	25	#Max	QPSK	22.47
Band66	10	132022	50	#0	QPSK	22.44
Band66	10	132022	1	#0	QAM16	22.86
Band66	10	132022	1	#Mid	QAM16	22.92
Band66	10	132022	1	#Max	QAM16	22.96
Band66	10	132022	25	#0	QAM16	21.4
Band66	10	132022	25	#Mid	QAM16	21.52
Band66	10	132022	25	#Max	QAM16	21.51
Band66	10	132022	50	#0	QAM16	21.44
Band66	10	132322	1	#0	QPSK	23.56
Band66	10	132322	1	#Mid	QPSK	23.64
Band66	10	132322	1	#Max	QPSK	23.61



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band66	10	132322	25	#0	QPSK	22.48
Band66	10	132322	25	#Mid	QPSK	22.63
Band66	10	132322	25	#Max	QPSK	22.57
Band66	10	132322	50	#0	QPSK	22.54
Band66	10	132322	1	#0	QAM16	22.66
Band66	10	132322	1	#Mid	QAM16	22.78
Band66	10	132322	1	#Max	QAM16	22.76
Band66	10	132322	25	#0	QAM16	21.44
Band66	10	132322	25	#Mid	QAM16	21.61
Band66	10	132322	25	#Max	QAM16	21.54
Band66	10	132322	50	#0	QAM16	21.54
Band66	10	132622	1	#0	QPSK	23.58
Band66	10	132622	1	#Mid	QPSK	23.61
Band66	10	132622	1	#Max	QPSK	23.57
Band66	10	132622	25	#0	QPSK	22.33
Band66	10	132622	25	#Mid	QPSK	22.43
Band66	10	132622	25	#Max	QPSK	22.34
Band66	10	132622	50	#0	QPSK	22.39
Band66	10	132622	1	#0	QAM16	22.27
Band66	10	132622	1	#Mid	QAM16	22.32
Band66	10	132622	1	#Max	QAM16	22.32
Band66	10	132622	25	#0	QAM16	21.32
Band66	10	132622	25	#Mid	QAM16	21.42
Band66	10	132622	25	#Max	QAM16	21.38
Band66	10	132622	50	#0	QAM16	21.31
Band66	15	132047	1	#0	QPSK	23.4
Band66	15	132047	1	#Mid	QPSK	23.44
Band66	15	132047	1	#Max	QPSK	23.37
Band66	15	132047	36	#0	QPSK	22.39
Band66	15	132047	36	#Mid	QPSK	22.46
Band66	15	132047	36	#Max	QPSK	22.41
Band66	15	132047	75	#0	QPSK	22.45
Band66	15	132047	1	#0	QAM16	22.84
Band66	15	132047	1	#Mid	QAM16	22.88
Band66	15	132047	1	#Max	QAM16	22.81
Band66	15	132047	36	#0	QAM16	21.45
Band66	15	132047	36	#Mid	QAM16	21.49
Band66	15	132047	36	#Max	QAM16	21.44
Band66	15	132047	75	#0	QAM16	21.41
Band66	15	132322	1	#0	QPSK	23.51
Band66	15	132322	1	#Mid	QPSK	23.63
Band66	15	132322	1	#Max	QPSK	23.61
Band66	15	132322	36	#0	QPSK	22.57
Band66	15	132322	36	#Mid	QPSK	22.67



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band66	15	132322	36	#Max	QPSK	22.65
Band66	15	132322	75	#0	QPSK	22.63
Band66	15	132322	1	#0	QAM16	22.63
Band66	15	132322	1	#Mid	QAM16	22.76
Band66	15	132322	1	#Max	QAM16	22.73
Band66	15	132322	36	#0	QAM16	21.59
Band66	15	132322	36	#Mid	QAM16	21.67
Band66	15	132322	36	#Max	QAM16	21.65
Band66	15	132322	75	#0	QAM16	21.56
Band66	15	132597	1	#0	QPSK	23.48
Band66	15	132597	1	#Mid	QPSK	23.61
Band66	15	132597	1	#Max	QPSK	23.51
Band66	15	132597	36	#0	QPSK	22.43
Band66	15	132597	36	#Mid	QPSK	22.5
Band66	15	132597	36	#Max	QPSK	22.47
Band66	15	132597	75	#0	QPSK	22.48
Band66	15	132597	1	#0	QAM16	22.5
Band66	15	132597	1	#Mid	QAM16	22.53
Band66	15	132597	1	#Max	QAM16	22.47
Band66	15	132597	36	#0	QAM16	21.33
Band66	15	132597	36	#Mid	QAM16	21.44
Band66	15	132597	36	#Max	QAM16	21.42
Band66	15	132597	75	#0	QAM16	21.4
Band66	20	132072	1	#0	QPSK	23.46
Band66	20	132072	1	#Mid	QPSK	23.64
Band66	20	132072	1	#Max	QPSK	23.4
Band66	20	132072	50	#0	QPSK	22.34
Band66	20	132072	50	#Mid	QPSK	22.45
Band66	20	132072	50	#Max	QPSK	22.4
Band66	20	132072	100	#0	QPSK	22.4
Band66	20	132072	1	#0	QAM16	22.58
Band66	20	132072	1	#Mid	QAM16	22.77
Band66	20	132072	1	#Max	QAM16	22.57
Band66	20	132072	50	#0	QAM16	21.32
Band66	20	132072	50	#Mid	QAM16	21.46
Band66	20	132072	50	#Max	QAM16	21.38
Band66	20	132072	100	#0	QAM16	21.38
Band66	20	132322	1	#0	QPSK	23.36
Band66	20	132322	1	#Mid	QPSK	23.71
Band66	20	132322	1	#Max	QPSK	23.58
Band66	20	132322	50	#0	QPSK	22.43
Band66	20	132322	50	#Mid	QPSK	23.12
Band66	20	132322	50	#Max	QPSK	22.58
Band66	20	132322	100	#0	QPSK	22.5



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band66	20	132322	1	#0	QAM16	22.55
Band66	20	132322	1	#Mid	QAM16	22.89
Band66	20	132322	1	#Max	QAM16	22.72
Band66	20	132322	50	#0	QAM16	21.41
Band66	20	132322	50	#Mid	QAM16	21.6
Band66	20	132322	50	#Max	QAM16	21.59
Band66	20	132322	100	#0	QAM16	21.49
Band66	20	132572	1	#0	QPSK	23.37
Band66	20	132572	1	#Mid	QPSK	23.59
Band66	20	132572	1	#Max	QPSK	23.38
Band66	20	132572	50	#0	QPSK	22.38
Band66	20	132572	50	#Mid	QPSK	23.48
Band66	20	132572	50	#Max	QPSK	22.39
Band66	20	132572	100	#0	QPSK	22.44
Band66	20	132572	1	#0	QAM16	22.68
Band66	20	132572	1	#Mid	QAM16	22.77
Band66	20	132572	1	#Max	QAM16	22.59
Band66	20	132572	50	#0	QAM16	21.35
Band66	20	132572	50	#Mid	QAM16	21.21
Band66	20	132572	50	#Max	QAM16	21.19
Band66	20	132572	100	#0	QAM16	21.14
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band5	1.4	20407	1	#0	QPSK	22.21
Band5	1.4	20407	1	#Mid	QPSK	22.33
Band5	1.4	20407	1	#Max	QPSK	22.22
Band5	1.4	20407	3	#0	QPSK	22.33
Band5	1.4	20407	3	#Mid	QPSK	22.33
Band5	1.4	20407	3	#Max	QPSK	22.3
Band5	1.4	20407	6	#0	QPSK	21.38
Band5	1.4	20407	1	#0	QAM16	21.28
Band5	1.4	20407	1	#Mid	QAM16	21.33
Band5	1.4	20407	1	#Max	QAM16	21.37
Band5	1.4	20407	3	#0	QAM16	21.46
Band5	1.4	20407	3	#Mid	QAM16	21.5
Band5	1.4	20407	3	#Max	QAM16	21.47
Band5	1.4	20407	6	#0	QAM16	20.48
Band5	1.4	20525	1	#0	QPSK	22.62
Band5	1.4	20525	1	#Mid	QPSK	22.76
Band5	1.4	20525	1	#Max	QPSK	22.68
Band5	1.4	20525	3	#0	QPSK	22.54
Band5	1.4	20525	3	#Mid	QPSK	22.58
Band5	1.4	20525	3	#Max	QPSK	22.53
Band5	1.4	20525	6	#0	QPSK	21.72
Band5	1.4	20525	1	#0	QAM16	21.23



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band5	1.4	20525	1	#Mid	QAM16	21.33
Band5	1.4	20525	1	#Max	QAM16	21.26
Band5	1.4	20525	3	#0	QAM16	21.57
Band5	1.4	20525	3	#Mid	QAM16	21.6
Band5	1.4	20525	3	#Max	QAM16	21.6
Band5	1.4	20525	6	#0	QAM16	20.81
Band5	1.4	20643	1	#0	QPSK	22.5
Band5	1.4	20643	1	#Mid	QPSK	22.64
Band5	1.4	20643	1	#Max	QPSK	22.54
Band5	1.4	20643	3	#0	QPSK	22.5
Band5	1.4	20643	3	#Mid	QPSK	22.53
Band5	1.4	20643	3	#Max	QPSK	22.51
Band5	1.4	20643	6	#0	QPSK	21.61
Band5	1.4	20643	1	#0	QAM16	21.54
Band5	1.4	20643	1	#Mid	QAM16	21.61
Band5	1.4	20643	1	#Max	QAM16	21.5
Band5	1.4	20643	3	#0	QAM16	21.64
Band5	1.4	20643	3	#Mid	QAM16	21.7
Band5	1.4	20643	3	#Max	QAM16	21.62
Band5	1.4	20643	6	#0	QAM16	20.78
Band5	3	20415	1	#0	QPSK	22.09
Band5	3	20415	1	#Mid	QPSK	22.23
Band5	3	20415	1	#Max	QPSK	22.17
Band5	3	20415	8	#0	QPSK	21.22
Band5	3	20415	8	#Mid	QPSK	21.32
Band5	3	20415	8	#Max	QPSK	21.26
Band5	3	20415	15	#0	QPSK	21.24
Band5	3	20415	1	#0	QAM16	20.81
Band5	3	20415	1	#Mid	QAM16	20.96
Band5	3	20415	1	#Max	QAM16	20.92
Band5	3	20415	8	#0	QAM16	20.17
Band5	3	20415	8	#Mid	QAM16	20.27
Band5	3	20415	8	#Max	QAM16	20.3
Band5	3	20415	15	#0	QAM16	20.33
Band5	3	20525	1	#0	QPSK	22.31
Band5	3	20525	1	#Mid	QPSK	22.48
Band5	3	20525	1	#Max	QPSK	22.44
Band5	3	20525	8	#0	QPSK	21.54
Band5	3	20525	8	#Mid	QPSK	21.64
Band5	3	20525	8	#Max	QPSK	21.59
Band5	3	20525	15	#0	QPSK	21.52
Band5	3	20525	1	#0	QAM16	21.62
Band5	3	20525	1	#Mid	QAM16	21.68
Band5	3	20525	1	#Max	QAM16	21.62



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band5	3	20525	8	#0	QAM16	20.52
Band5	3	20525	8	#Mid	QAM16	20.58
Band5	3	20525	8	#Max	QAM16	20.5
Band5	3	20525	15	#0	QAM16	20.52
Band5	3	20635	1	#0	QPSK	22.24
Band5	3	20635	1	#Mid	QPSK	22.33
Band5	3	20635	1	#Max	QPSK	22.28
Band5	3	20635	8	#0	QPSK	21.41
Band5	3	20635	8	#Mid	QPSK	21.55
Band5	3	20635	8	#Max	QPSK	21.51
Band5	3	20635	15	#0	QPSK	21.52
Band5	3	20635	1	#0	QAM16	21.44
Band5	3	20635	1	#Mid	QAM16	21.53
Band5	3	20635	1	#Max	QAM16	21.41
Band5	3	20635	8	#0	QAM16	20.51
Band5	3	20635	8	#Mid	QAM16	20.63
Band5	3	20635	8	#Max	QAM16	20.56
Band5	3	20635	15	#0	QAM16	20.52
Band5	5	20425	1	#0	QPSK	22.32
Band5	5	20425	1	#Mid	QPSK	22.42
Band5	5	20425	1	#Max	QPSK	22.38
Band5	5	20425	12	#0	QPSK	21.21
Band5	5	20425	12	#Mid	QPSK	21.39
Band5	5	20425	12	#Max	QPSK	21.37
Band5	5	20425	25	#0	QPSK	21.35
Band5	5	20425	1	#0	QAM16	21.49
Band5	5	20425	1	#Mid	QAM16	21.65
Band5	5	20425	1	#Max	QAM16	21.7
Band5	5	20425	12	#0	QAM16	20.25
Band5	5	20425	12	#Mid	QAM16	20.36
Band5	5	20425	12	#Max	QAM16	20.43
Band5	5	20425	25	#0	QAM16	20.39
Band5	5	20525	1	#0	QPSK	22.47
Band5	5	20525	1	#Mid	QPSK	22.66
Band5	5	20525	1	#Max	QPSK	22.65
Band5	5	20525	12	#0	QPSK	21.54
Band5	5	20525	12	#Mid	QPSK	21.61
Band5	5	20525	12	#Max	QPSK	21.5
Band5	5	20525	25	#0	QPSK	21.48
Band5	5	20525	1	#0	QAM16	21.73
Band5	5	20525	1	#Mid	QAM16	21.79
Band5	5	20525	1	#Max	QAM16	21.77
Band5	5	20525	12	#0	QAM16	20.62
Band5	5	20525	12	#Mid	QAM16	20.61



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band5	5	20525	12	#Max	QAM16	20.48
Band5	5	20525	25	#0	QAM16	20.51
Band5	5	20625	1	#0	QPSK	22.58
Band5	5	20625	1	#Mid	QPSK	22.61
Band5	5	20625	1	#Max	QPSK	22.55
Band5	5	20625	12	#0	QPSK	21.49
Band5	5	20625	12	#Mid	QPSK	21.59
Band5	5	20625	12	#Max	QPSK	21.57
Band5	5	20625	25	#0	QPSK	21.48
Band5	5	20625	1	#0	QAM16	22.01
Band5	5	20625	1	#Mid	QAM16	22.13
Band5	5	20625	1	#Max	QAM16	21.98
Band5	5	20625	12	#0	QAM16	20.53
Band5	5	20625	12	#Mid	QAM16	20.65
Band5	5	20625	12	#Max	QAM16	20.64
Band5	5	20625	25	#0	QAM16	20.54
Band5	10	20450	1	#0	QPSK	22.3
Band5	10	20450	1	#Mid	QPSK	22.44
Band5	10	20450	1	#Max	QPSK	22.52
Band5	10	20450	25	#0	QPSK	21.24
Band5	10	20450	25	#Mid	QPSK	21.45
Band5	10	20450	25	#Max	QPSK	21.69
Band5	10	20450	50	#0	QPSK	21.54
Band5	10	20450	1	#0	QAM16	21.63
Band5	10	20450	1	#Mid	QAM16	21.89
Band5	10	20450	1	#Max	QAM16	21.94
Band5	10	20450	25	#0	QAM16	20.35
Band5	10	20450	25	#Mid	QAM16	20.54
Band5	10	20450	25	#Max	QAM16	20.8
Band5	10	20450	50	#0	QAM16	20.62
Band5	10	20525	1	#0	QPSK	22.5
Band5	10	20525	1	#Mid	QPSK	22.71
Band5	10	20525	1	#Max	QPSK	22.7
Band5	10	20525	25	#0	QPSK	21.52
Band5	10	20525	25	#Mid	QPSK	21.63
Band5	10	20525	25	#Max	QPSK	21.37
Band5	10	20525	50	#0	QPSK	21.45
Band5	10	20525	1	#0	QAM16	21.69
Band5	10	20525	1	#Mid	QAM16	21.71
Band5	10	20525	1	#Max	QAM16	21.73
Band5	10	20525	25	#0	QAM16	20.59
Band5	10	20525	25	#Mid	QAM16	20.63
Band5	10	20525	25	#Max	QAM16	20.35
Band5	10	20525	50	#0	QAM16	20.51



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band5	10	20600	1	#0	QPSK	22.77
Band5	10	20600	1	#Mid	QPSK	22.8
Band5	10	20600	1	#Max	QPSK	22.74
Band5	10	20600	25	#0	QPSK	21.58
Band5	10	20600	25	#Mid	QPSK	21.63
Band5	10	20600	25	#Max	QPSK	21.65
Band5	10	20600	50	#0	QPSK	21.68
Band5	10	20600	1	#0	QAM16	21.36
Band5	10	20600	1	#Mid	QAM16	21.51
Band5	10	20600	1	#Max	QAM16	21.46
Band5	10	20600	25	#0	QAM16	20.61
Band5	10	20600	25	#Mid	QAM16	20.72
Band5	10	20600	25	#Max	QAM16	20.77
Band5	10	20600	50	#0	QAM16	20.66
Band26(824-849)	1.4	26797	1	#0	QPSK	22.47
Band26(824-849)	1.4	26797	1	#Mid	QPSK	22.57
Band26(824-849)	1.4	26797	1	#Max	QPSK	22.47
Band26(824-849)	1.4	26797	3	#0	QPSK	22.4
Band26(824-849)	1.4	26797	3	#Mid	QPSK	22.46
Band26(824-849)	1.4	26797	3	#Max	QPSK	22.42
Band26(824-849)	1.4	26797	6	#0	QPSK	21.53
Band26(824-849)	1.4	26797	1	#0	QAM16	21.39
Band26(824-849)	1.4	26797	1	#Mid	QAM16	21.47
Band26(824-849)	1.4	26797	1	#Max	QAM16	21.45
Band26(824-849)	1.4	26797	3	#0	QAM16	21.51
Band26(824-849)	1.4	26797	3	#Mid	QAM16	21.56
Band26(824-849)	1.4	26797	3	#Max	QAM16	21.53
Band26(824-849)	1.4	26797	6	#0	QAM16	20.65
Band26(824-849)	1.4	26915	1	#0	QPSK	22.62
Band26(824-849)	1.4	26915	1	#Mid	QPSK	22.69
Band26(824-849)	1.4	26915	1	#Max	QPSK	22.61
Band26(824-849)	1.4	26915	3	#0	QPSK	22.62
Band26(824-849)	1.4	26915	3	#Mid	QPSK	22.67
Band26(824-849)	1.4	26915	3	#Max	QPSK	22.58
Band26(824-849)	1.4	26915	6	#0	QPSK	21.78
Band26(824-849)	1.4	26915	1	#0	QAM16	21.6



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band26(824-849)	1.4	26915	1	#Mid	QAM16	21.65
Band26(824-849)	1.4	26915	1	#Max	QAM16	21.64
Band26(824-849)	1.4	26915	3	#0	QAM16	21.71
Band26(824-849)	1.4	26915	3	#Mid	QAM16	21.74
Band26(824-849)	1.4	26915	3	#Max	QAM16	21.69
Band26(824-849)	1.4	26915	6	#0	QAM16	20.8
Band26(824-849)	1.4	27033	1	#0	QPSK	22.58
Band26(824-849)	1.4	27033	1	#Mid	QPSK	22.66
Band26(824-849)	1.4	27033	1	#Max	QPSK	22.58
Band26(824-849)	1.4	27033	3	#0	QPSK	22.56
Band26(824-849)	1.4	27033	3	#Mid	QPSK	22.61
Band26(824-849)	1.4	27033	3	#Max	QPSK	22.56
Band26(824-849)	1.4	27033	6	#0	QPSK	21.65
Band26(824-849)	1.4	27033	1	#0	QAM16	21.31
Band26(824-849)	1.4	27033	1	#Mid	QAM16	21.32
Band26(824-849)	1.4	27033	1	#Max	QAM16	21.29
Band26(824-849)	1.4	27033	3	#0	QAM16	21.65
Band26(824-849)	1.4	27033	3	#Mid	QAM16	21.7
Band26(824-849)	1.4	27033	3	#Max	QAM16	21.65
Band26(824-849)	1.4	27033	6	#0	QAM16	20.81
Band26(824-849)	3	26805	1	#0	QPSK	22.18
Band26(824-849)	3	26805	1	#Mid	QPSK	22.23
Band26(824-849)	3	26805	1	#Max	QPSK	22.15
Band26(824-849)	3	26805	8	#0	QPSK	21.35
Band26(824-849)	3	26805	8	#Mid	QPSK	21.41
Band26(824-849)	3	26805	8	#Max	QPSK	21.41
Band26(824-849)	3	26805	15	#0	QPSK	21.32
Band26(824-849)	3	26805	1	#0	QAM16	21.49
Band26(824-849)	3	26805	1	#Mid	QAM16	21.57
Band26(824-849)	3	26805	1	#Max	QAM16	21.59
Band26(824-849)	3	26805	8	#0	QAM16	20.38
Band26(824-849)	3	26805	8	#Mid	QAM16	20.48



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band26(824-849)	3	26805	8	#Max	QAM16	20.43
Band26(824-849)	3	26805	15	#0	QAM16	20.44
Band26(824-849)	3	26915	1	#0	QPSK	22.42
Band26(824-849)	3	26915	1	#Mid	QPSK	22.54
Band26(824-849)	3	26915	1	#Max	QPSK	22.46
Band26(824-849)	3	26915	8	#0	QPSK	21.61
Band26(824-849)	3	26915	8	#Mid	QPSK	21.69
Band26(824-849)	3	26915	8	#Max	QPSK	21.63
Band26(824-849)	3	26915	15	#0	QPSK	21.57
Band26(824-849)	3	26915	1	#0	QAM16	21.46
Band26(824-849)	3	26915	1	#Mid	QAM16	21.56
Band26(824-849)	3	26915	1	#Max	QAM16	21.49
Band26(824-849)	3	26915	8	#0	QAM16	20.57
Band26(824-849)	3	26915	8	#Mid	QAM16	20.62
Band26(824-849)	3	26915	8	#Max	QAM16	20.52
Band26(824-849)	3	26915	15	#0	QAM16	20.5
Band26(824-849)	3	27025	1	#0	QPSK	22.39
Band26(824-849)	3	27025	1	#Mid	QPSK	22.51
Band26(824-849)	3	27025	1	#Max	QPSK	22.54
Band26(824-849)	3	27025	8	#0	QPSK	21.53
Band26(824-849)	3	27025	8	#Mid	QPSK	21.62
Band26(824-849)	3	27025	8	#Max	QPSK	21.54
Band26(824-849)	3	27025	15	#0	QPSK	21.59
Band26(824-849)	3	27025	1	#0	QAM16	21.2
Band26(824-849)	3	27025	1	#Mid	QAM16	21.28
Band26(824-849)	3	27025	1	#Max	QAM16	21.14
Band26(824-849)	3	27025	8	#0	QAM16	20.61
Band26(824-849)	3	27025	8	#Mid	QAM16	20.63
Band26(824-849)	3	27025	8	#Max	QAM16	20.57
Band26(824-849)	3	27025	15	#0	QAM16	20.66
Band26(824-849)	5	26815	1	#0	QPSK	22.44
Band26(824-849)	5	26815	1	#Mid	QPSK	22.51



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band26(824-849)	5	26815	1	#Max	QPSK	22.59
Band26(824-849)	5	26815	12	#0	QPSK	21.38
Band26(824-849)	5	26815	12	#Mid	QPSK	21.49
Band26(824-849)	5	26815	12	#Max	QPSK	21.53
Band26(824-849)	5	26815	25	#0	QPSK	21.48
Band26(824-849)	5	26815	1	#0	QAM16	21.62
Band26(824-849)	5	26815	1	#Mid	QAM16	21.79
Band26(824-849)	5	26815	1	#Max	QAM16	21.84
Band26(824-849)	5	26815	12	#0	QAM16	20.43
Band26(824-849)	5	26815	12	#Mid	QAM16	20.49
Band26(824-849)	5	26815	12	#Max	QAM16	20.55
Band26(824-849)	5	26815	25	#0	QAM16	20.47
Band26(824-849)	5	26915	1	#0	QPSK	22.54
Band26(824-849)	5	26915	1	#Mid	QPSK	22.71
Band26(824-849)	5	26915	1	#Max	QPSK	22.68
Band26(824-849)	5	26915	12	#0	QPSK	21.75
Band26(824-849)	5	26915	12	#Mid	QPSK	21.71
Band26(824-849)	5	26915	12	#Max	QPSK	21.56
Band26(824-849)	5	26915	25	#0	QPSK	21.62
Band26(824-849)	5	26915	1	#0	QAM16	21.75
Band26(824-849)	5	26915	1	#Mid	QAM16	21.85
Band26(824-849)	5	26915	1	#Max	QAM16	21.8
Band26(824-849)	5	26915	12	#0	QAM16	20.74
Band26(824-849)	5	26915	12	#Mid	QAM16	20.68
Band26(824-849)	5	26915	12	#Max	QAM16	20.54
Band26(824-849)	5	26915	25	#0	QAM16	20.57
Band26(824-849)	5	27015	1	#0	QPSK	22.63
Band26(824-849)	5	27015	1	#Mid	QPSK	22.68
Band26(824-849)	5	27015	1	#Max	QPSK	22.69
Band26(824-849)	5	27015	12	#0	QPSK	21.58
Band26(824-849)	5	27015	12	#Mid	QPSK	21.68
Band26(824-849)	5	27015	12	#Max	QPSK	21.61



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band26(824-849)	5	27015	25	#0	QPSK	21.61
Band26(824-849)	5	27015	1	#0	QAM16	22.11
Band26(824-849)	5	27015	1	#Mid	QAM16	22.19
Band26(824-849)	5	27015	1	#Max	QAM16	22.04
Band26(824-849)	5	27015	12	#0	QAM16	20.6
Band26(824-849)	5	27015	12	#Mid	QAM16	20.75
Band26(824-849)	5	27015	12	#Max	QAM16	20.65
Band26(824-849)	5	27015	25	#0	QAM16	20.62
Band26(824-849)	10	26840	1	#0	QPSK	22.47
Band26(824-849)	10	26840	1	#Mid	QPSK	22.62
Band26(824-849)	10	26840	1	#Max	QPSK	22.66
Band26(824-849)	10	26840	25	#0	QPSK	21.35
Band26(824-849)	10	26840	25	#Mid	QPSK	21.55
Band26(824-849)	10	26840	25	#Max	QPSK	21.75
Band26(824-849)	10	26840	50	#0	QPSK	21.59
Band26(824-849)	10	26840	1	#0	QAM16	21.54
Band26(824-849)	10	26840	1	#Mid	QAM16	21.8
Band26(824-849)	10	26840	1	#Max	QAM16	21.8
Band26(824-849)	10	26840	25	#0	QAM16	20.38
Band26(824-849)	10	26840	25	#Mid	QAM16	20.65
Band26(824-849)	10	26840	25	#Max	QAM16	20.81
Band26(824-849)	10	26840	50	#0	QAM16	20.6
Band26(824-849)	10	26915	1	#0	QPSK	22.67
Band26(824-849)	10	26915	1	#Mid	QPSK	22.92
Band26(824-849)	10	26915	1	#Max	QPSK	22.9
Band26(824-849)	10	26915	25	#0	QPSK	21.69
Band26(824-849)	10	26915	25	#Mid	QPSK	21.67
Band26(824-849)	10	26915	25	#Max	QPSK	21.5
Band26(824-849)	10	26915	50	#0	QPSK	21.64
Band26(824-849)	10	26915	1	#0	QAM16	21.42
Band26(824-849)	10	26915	1	#Mid	QAM16	21.5
Band26(824-849)	10	26915	1	#Max	QAM16	21.5



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band26(824-849)	10	26915	25	#0	QAM16	20.72
Band26(824-849)	10	26915	25	#Mid	QAM16	20.7
Band26(824-849)	10	26915	25	#Max	QAM16	20.49
Band26(824-849)	10	26915	50	#0	QAM16	20.6
Band26(824-849)	10	26990	1	#0	QPSK	22.72
Band26(824-849)	10	26990	1	#Mid	QPSK	22.79
Band26(824-849)	10	26990	1	#Max	QPSK	22.74
Band26(824-849)	10	26990	25	#0	QPSK	21.66
Band26(824-849)	10	26990	25	#Mid	QPSK	21.76
Band26(824-849)	10	26990	25	#Max	QPSK	21.68
Band26(824-849)	10	26990	50	#0	QPSK	21.71
Band26(824-849)	10	26990	1	#0	QAM16	21.9
Band26(824-849)	10	26990	1	#Mid	QAM16	22.1
Band26(824-849)	10	26990	1	#Max	QAM16	22.04
Band26(824-849)	10	26990	25	#0	QAM16	20.68
Band26(824-849)	10	26990	25	#Mid	QAM16	20.78
Band26(824-849)	10	26990	25	#Max	QAM16	20.8
Band26(824-849)	10	26990	50	#0	QAM16	20.69
Band26(824-849)	15	26865	1	#0	QPSK	22.52
Band26(824-849)	15	26865	1	#Mid	QPSK	22.7
Band26(824-849)	15	26865	1	#Max	QPSK	22.93
Band26(824-849)	15	26865	36	#0	QPSK	21.41
Band26(824-849)	15	26865	36	#Mid	QPSK	21.65
Band26(824-849)	15	26865	36	#Max	QPSK	21.64
Band26(824-849)	15	26865	75	#0	QPSK	21.59
Band26(824-849)	15	26865	1	#0	QAM16	21.49
Band26(824-849)	15	26865	1	#Mid	QAM16	21.76
Band26(824-849)	15	26865	1	#Max	QAM16	21.75
Band26(824-849)	15	26865	36	#0	QAM16	20.4
Band26(824-849)	15	26865	36	#Mid	QAM16	20.64
Band26(824-849)	15	26865	36	#Max	QAM16	20.61
Band26(824-849)	15	26865	75	#0	QAM16	20.62



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band26(824-849)	15	26915	1	#0	QPSK	22.48
Band26(824-849)	15	26915	1	#Mid	QPSK	22.8
Band26(824-849)	15	26915	1	#Max	QPSK	22.74
Band26(824-849)	15	26915	36	#0	QPSK	21.6
Band26(824-849)	15	26915	36	#Mid	QPSK	21.85
Band26(824-849)	15	26915	36	#Max	QPSK	21.77
Band26(824-849)	15	26915	75	#0	QPSK	21.72
Band26(824-849)	15	26915	1	#0	QAM16	22
Band26(824-849)	15	26915	1	#Mid	QAM16	21.97
Band26(824-849)	15	26915	1	#Max	QAM16	22.07
Band26(824-849)	15	26915	36	#0	QAM16	20.6
Band26(824-849)	15	26915	36	#Mid	QAM16	20.79
Band26(824-849)	15	26915	36	#Max	QAM16	20.74
Band26(824-849)	15	26915	75	#0	QAM16	20.66
Band26(824-849)	15	26965	1	#0	QPSK	22.6
Band26(824-849)	15	26965	1	#Mid	QPSK	22.73
Band26(824-849)	15	26965	1	#Max	QPSK	22.66
Band26(824-849)	15	26965	36	#0	QPSK	21.99
Band26(824-849)	15	26965	36	#Mid	QPSK	21.86
Band26(824-849)	15	26965	36	#Max	QPSK	21.9
Band26(824-849)	15	26965	75	#0	QPSK	21.92
Band26(824-849)	15	26965	1	#0	QAM16	21.64
Band26(824-849)	15	26965	1	#Mid	QAM16	21.82
Band26(824-849)	15	26965	1	#Max	QAM16	21.8
Band26(824-849)	15	26965	36	#0	QAM16	20.95
Band26(824-849)	15	26965	36	#Mid	QAM16	20.89
Band26(824-849)	15	26965	36	#Max	QAM16	20.94
Band26(824-849)	15	26965	75	#0	QAM16	20.83



WLAN (2.4G band)

- The client supplied a special driver to program the EUT, allowing it to continually transmit the specified maximum power and change the channel frequency.
- Maximum conducted power was measured by replacing the antenna with an adapter for conductive measurement.
- The conducted power was measured at the high, middle and low channel frequency before and after the SAR measurement.
- During SAR test, the highest output channel per band measured first, and then if necessary, the other channels were measured according to the normal procedures.

Output power (dBm):

2.4GWIFI				
Mode	Channel Number	Frequency (MHz)	Output Power (dBm)	Output Power (mW)
802.11b	1	2412	14.91	30.97
	6	2437	13.9	24.55
	11	2462	13.39	21.83
802.11g	1	2412	8.3	6.76
	6	2437	7.15	5.19
	11	2462	6.66	4.63
802.11 n-HT20	1	2412	5.42	3.48
	6	2437	4.48	2.80
	11	2462	4.14	2.59
802.11 n-HT40	3	2422	5.38	3.45
	6	2437	4.66	2.92
	9	2452	4.88	3.08

WLAN (5.2Gband)

5.2G WLAN				
Mode	Channel Number	Frequency (MHz)	Output Power (dBm)	Output Power (mW)
802.11a20	36	5180	12.03	15.96
	40	5200	12.63	18.32
	48	5240	12.73	18.75
802.11 n-HT20	36	5180	10.42	11.02
	40	5200	11.4	13.80
	48	5240	11.16	13.06
802.11 n-HT40	38	5190	10.7	11.75
	46	5230	11.04	12.71
802.11ac-VHT20	36	5180	7.3	5.37
	40	5200	7.84	6.08
	48	5240	8.23	6.65
802.11ac-VHT40	38	5190	7.46	5.57
	46	5230	7.74	5.94
802.11ac-VHT80	42	5210	7.21	5.26



WLAN (5.3G band)

5.3G WLAN				
Mode	Channel Number	Frequency (MHz)	Output Power (dBm)	Output Power (mW)
802.11a20	52	5260	12.77	18.92
	60	5300	13.18	20.80
	64	5320	13.59	22.86
802.11 n-HT20	52	5260	10.69	11.72
	60	5300	11.67	14.69
	64	5320	11.44	13.93
802.11 n-HT40	54	5270	10.86	12.19
	62	5310	11.16	13.06
802.11ac-VHT20	52	5260	8.25	6.68
	60	5300	8.17	6.56
	64	5320	8.01	6.32
802.11ac-VHT40	54	5270	8.01	6.32
	62	5310	7.57	5.71
802.11ac-VHT80	58	5290	7.22	5.27

WLAN (5.6G band)

5.6G WLAN				
Mode	Channel Number	Frequency (MHz)	Output Power (dBm)	Output Power (mW)
802.11a20	100	5500	10.3	10.72
	116	5580	10.07	10.16
	140	5700	9.79	9.53
802.11 n-HT20	100	5500	10.99	12.56
	116	5580	10.32	10.76
	140	5700	10.7	11.75
802.11 n-HT40	102	5510	12.68	18.54
	110	5550	10.14	10.33
	134	5670	11.01	12.62
802.11ac-VHT20	100	5500	7.43	5.53
	116	5580	7.22	5.27
	140	5700	7.74	5.94
802.11ac-VHT40	102	5510	8.66	735
	110	5550	8.82	762
	134	5670	7.25	531
802.11ac-VHT80	106	5530	8.61	726
	122	5610	8.67	736
	138	5690	8.52	711