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C.I.F. A29 507 456

Test report No:

NIE: 79390RAN.003

Test report
IEEE Std 1528™-2013

(*) Identification of item tested	Telematic Control Unit, used in automotive industry
(*) Trademark	Volvo
(*) Model and /or type reference tested	TCAM3
(*) Other identification of the product	FCC ID: T8GTCAM3 IC: 6434A-TCAM3 HW version: C3 SW version: 2024-10-25-master-TCAM3-E
(*) Features	Bluetooth LE, GSM, WCDMA,LTE, 5G, GNSS, TPMS, SDARS
Manufacturer	HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH BECKER-GOERING-STR. 16; 76307 KARLSBAD GERMANY
Test method requested, standard	1. IEEE Std 1528™-2013. 2. FCC 47 CFR Part 2.1093.
Summary	Considering the results of the performed test, the item under test is IN COMPLIANCE with FCC 47CFR Part 2.1093 exposure limits. The maximum 1g volume averaged SAR found during this test have been 0.576 W/kg, for 5G NR Band n78 mode. The maximum 1g volume averaged SAR for multiband transmission found during this test has been 0.593 W/kg, for 5G NR Band n78 and Bluetooth LE mode.
Approved by (name / position & signature)	Manuel García Antennas Lab Technical Responsible 74862741H MANUEL GARCÍA (C:A29507456) 74862741H MANUEL GARCÍA (C:A29507456) 2025.04.22 16:07:20 +02'00'
Date of issue	2025-04-22
Report template No	FAN44_01 (*) "Data provided by the client"

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Competences and guarantees

DEKRA Testing and Certification S.A.U. is a testing laboratory accredited by the National Accreditation Body (ENAC -Entidad Nacional de Acreditación), to perform the tests indicated in the Certificate No. 51/LE 147.

DEKRA Testing and Certification is a FCC-recognized accredited testing laboratory with appropriate scope of accreditation that include testing performed in this test report.

In order to assure the traceability to other national and international laboratories, DEKRA Testing and Certification S.A.U. has a calibration and maintenance program for its measurement equipment.

DEKRA Testing and Certification S.A.U. guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated on the report and, it is based on the knowledge and technical facilities available at DEKRA Testing and Certification at the time of performance of the test.

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The results presented in this Test Report apply only to the particular item under test established in this document.

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General conditions

1. This report is only referred to the item that has undergone the test.
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Uncertainty

Uncertainty (factor k=2) was calculated according to the following documents:

1. DEKRA Testing and Certification S.A.U. internal document PODT000.
2. FCC OET KDB 865664 D01 - SAR Measurement Requirements for 100 MHz to 6 GHz v01r04 (August 2015).

Data provided by the client

The following data has been provided by the client:

1. Information relating to the description of the sample ("Identification of the item tested", "Trademark", "Model and/or type reference tested", “Other identification of the product”, “Features” and “Test sample description”).

2. Maximum output power and testing distance information.

DEKRA Testing and Certification S.A.U. declines any responsibility with respect to the information provided by the client and that may affect the validity of results. The laboratory is not responsible for such information and it is not covered by accreditation.

Usage of samples

Samples undergoing test have been selected by: the client

Samples are composed of the following elements:

Sample	Control Nº	Description	Model	Serial Nº	Date of reception
S/01	79390_001.1	Conducted Control Unit	TCAM3 NA	--	18/11/2024
S/01	79390_017.1	Conducted Control Unit	TCAM3 RoW	--	18/11/2024
S/01	79390_011.1	Harness	--	--	18/11/2024
S/02	79390_021.1	Radiated Control Unit	TCAM3 NA	--	18/11/2024
S/02	79390_020.1	Radiated Control Unit	TCAM3 RoW	--	18/11/2024
S/02	79390_011.1	Harness	--	--	18/11/2024

1. Sample S/01 has undergone the test(s) specified in subclause “Test method requested”: Conducted average output power.
2. Sample S/02 has undergone the test(s) specified in subclause “Test method requested”: SAR evaluation for 2G, 3G, LTE and 5G modes.

Test sample description

Description of product ..... :	The device is a Telematics Control Unit with eCall technologies, used in automotive, equipped with eCall modem. The project name TCAM3 has the meaning “Telematic Connectivity Antenna Module” and thus describes the key features of this device as Communication and Data Interface. This unit was designed for automotive usage and contains the following features: GSM/WCDMA/LTE/5G, BTLE and TPMS receiver.		
Software version ..... :	2024-10-25-master-TCAM3-E		
Hardware version..... :	C3		
Mounting position..... :	☐	Table top equipment	
	☐	Wall/Ceiling mounted equipment	
	☐	Equipment used next to the ear	
	☐	Hand-held equipment	
	☒	Other: Automotive telematics control unit	
Accessories (not part of the test item)..... :	Description	Type	Manufacturer

Identification of the client

HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH

BECKER-GOERING-STR. 16; 76307 KARLSBAD GERMANY

Testing period and place

Test Location	DEKRA Testing and Certification S.A.U.
Date (start)	07/01/2025
Date (finish)	18/03/2025

Document history

Report number	Date	Description
79390RAN.003	2025-04-22	First release

Environmental conditions

Date	Max. Temp. ºC	Min. Temp. ºC	Max. Hum. %	Min. Hum. %	Limit
From 07/01/2025 to 18/03/2025	24.4230	20.0087	69.6111	30.0044	18-25 ºC, 30-70%

Remarks and comments

1. Testing of GPRS EDGE mode is not required according to test reductions mentioned in FCC OET KDB 941225 D01 3G SAR Procedures, paragraph “5. GSM, GPRS and EDGE”
2. Testing of HSDPA/HSPA/HSPA+/DC-HSPA modes are not required according to paragraph “2.1 3G SAR test reduction procedure” mentioned in FCC OET KDB 941225 D01 3G SAR Procedures.
3. Testing of Bluetooth mode is not required according to FCC OET KDB D01 General RF Exposure Guidance v06, paragraph “4.3.1. Standalone SAR test exclusion considerations”.
4. Only the plots of the highest SAR for each test position and mode/band are included in appendix C.
5. The tests have been performed by the technical personnel: Ismael Gamarro, Christian Hernandez (under qualification) and Rafael Jimenez (Under qualification).

6. The instrumentation utilized to perform the tests covered in this test report is listed in the following table:

DEKRA Control Number	Equipment	S/N
02402	20 dB Attenuator, WEINSCHEL model 75A-20-11	902
03436	ARMARIO DE CONTROL DE BRAZO ROBOTICO	F04/50P5A1/C/01
03420	BRAZO ROBOT	F04/SOP5A1/A/01
03438	CONVERSOR ELECTRO-ÓPTICO	391
04859	DAK software, SPEAG model DAK V1.10.325.10	-
04835	DC POWER SUPPLY 30V/5A 150W	MY58500043
03527	DIPOLO DE VALIDACIÓN 2600MHZ	1023.
08876	Data acquisition device, SPEAG model DAE4	1690
03430	Data acquisition device, SPEAG model DAE4	669
09448	Dielectric probe kit, SPEAG model DAK-3.5	1329
04170	Digital thermometer, LKM Electronics model DTM3000-SpezialL	2989
03427	Dipole validation kit 1800 MHz, SPEAG model D1800V2	2D099
03919	Dipole validation kit 750 MHz, SPEAG model D750V3	1036
03426	Dipole validation kit 900 MHz, SPEAG model D900V2	1D007
09513	Dosimetric E-field Probe, SPEAG model EX3DV4	7766
06125	Dosimetric E-field Probe, SPEAG model EX3DV4	7461
04393	Dual Power meter, Agilent model E4419B	MY45103349
01084	Dual directional coupler, HP model 778D	15821
03630	Dual directional coupler, NARDA model 4227-16	02953
08902	Electro-optical converter, SPEAG model EOCip-60	1154
09449	Head Tissue Equivalent Liquid for 0.6-10 GHz, SPEAG model HBBL600-10000V6	-
08895	Measurement server, SPEAG model DASY6 SE UMS 028 CA	1602
09168	Oval flat phantom, SPEAG model ELI4 V8.0	2158
03526	POSICIONADOR DE PORTÁTILES	-
02216	Power Divider, PICOSECOND PULSE LABS model 5333-104	236310 1504
04164	Power Sensor 50 MHz-18GHz, R&S model NRP-Z81	100527
03485	Power amplifier, MITEQ model AMF-4D-00400600-50-30P	1456425
04392	Power sensor, Agilent model E9300A	SG41491189
04391	Power sensor, Agilent model E9300A	SG41491203
08894	Robot controller, Stäubli model CS8C	F15/5Z0NB1/C/01
08867	Robot, Stäubli model TX60L	F15/5Z0NB1/A
08898	SAR measurement software, SPEAG model cDASY6	-
03847	SERVIDOR DE MEDIDA_DASY5	1227
03422	SIMULADOR DE CABEZA Y CUERPO (SAM)	-
03423	SOFTWARE DE MEDIDA	-
03346	Signal RF Generator, R&S model SMU200A	102234
03453	Temperature and humidity probe, Pico Technology model HUMIDIPROBE	UAL02/077
04482	Vector Network Analyzer, Agilent Technologies model N9923A FieldFox	US49470126
04804	WIDEBAND RADIO COMMUNICATION TESTER	100974
03934	WIDEBAND RADIO COMMUNICATION TESTER	1201.0002K50-113616-jG

7. References

The tests documented in this report were performed in accordance with FCC 47 CFR § 2.1093 and the following FCC Published RF exposure KDB procedures:

- FCC OET KDB 447498 D01 General RF Exposure Guidance v06 (October 2015).
- FCC OET KDB 865664 D01 - SAR Measurement Requirements for 100 MHz to 6 GHz v01r04 (August 2015).
- FCC OET KDB 865664 D02 RF Exposure Reporting v01r02 (October 2015).
- FCC OET KDB 941225 D01 3G SAR Procedures v03r01 (October 2015).
- FCC OET KDB 941225 D05 SAR for LTE Devices v02r05 (October 2015).

- FCC OET KDB 941225 D05A LTE Rel.10 KDB Inquiry Sheet v01r02 (October 2015) Testing procedure and guidance has been followed for LTE Rel. 10 features.
- TCB Workshop Nov. 2017, TCB Workshop October 2018, TCB Workshop October 2020 and TCB Workshop February 2021 testing procedures and guidances have been followed for 5G features.

Testing verdicts

Not applicable :	N/A
Pass :	P
Fail :	F
Not measured :	N/M

Summary

FCC 47CFR Part 2.1093	VERDICT			
	N/A	P	F	N/M
GSM 850		P		
GSM 1900		P		
WCDMA V		P		
LTE 2		P		
LTE 4		P		
LTE 5		P		
LTE 7		P		
LTE 12		P		
LTE 13		P		
LTE 14		P		
LTE 17		P		
LTE 25		P		
LTE 26		P		
LTE 38		P		
LTE 41		P		
LTE 66		P		
LTE 71		P		
n2		P		
n5		P		
n7		P		
n12		P		
n13		P		
n14		P		
n25		P		
n26		P		
n38		P		
n41		P		
n66		P		
n71		P		
n77		P		
n78		P		
Bluetooth		P[1]		
1: Technology not subject to testing. Verdict has been determined through RF Exposure assessment (see Appendix B, 2.3 of this document for more details).				

Appendix A: Test configuration

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1. GENERAL INTRODUCTION

1.1. Application Standard

The Federal Communications Commission (FCC) sets the limits for General Population/Uncontrolled exposure to radio frequency electromagnetic fields for transmitting devices designed to be used within 20 centimetres of the body of the user under FCC 47 CFR Part 2.1093 - "Radiofrequency radiation exposure evaluation: portable devices", paragraph (d)(2).

1.2. General requirements

The SAR measurement has been performed continuing the following considerations and environment conditions:

The ambient temperature shall be in the range of 18ºC to 25ºC and the variation shall not exceed +/-2ºC during the test.

The ambient humidity shall be in the range of and 30% - 70%.

The device battery shall be fully charged before each measurement.

1.3. Measurement system requirements

The measurement system used for SAR tests fulfills the procedural and technical requirements described at the reference standards used.

1.4. Phantom requirements

The phantom model for body measurements is an elliptical open-top container with a flat bottom, with the following shape and dimensions:

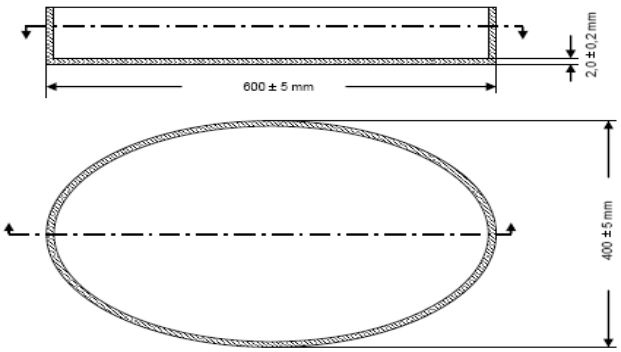


Figure 1: Proportions and shape of Phantom shell

1.5. Measurement Liquids requirements

The liquids used to simulate the human tissues, must fulfill the requirements of the dielectric properties required. These target dielectric properties are indicated into FCC OET KDB 865664 D01 Appendix A.

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

Table 1: Liquid material requirements

To minimize the effect of reflections on peak spatial-average SAR values, from the upper surface of the tissue equivalent liquid, the depth of the liquid should be at least 15 cm.

Dielectric porperties values of the Tissue Simulant Liquids used for SAR measurements are included in Appendix B, Section 3, of this document.

2. MEASUREMENT SYSTEM

2.1. Measurement System

The DASY6 system for performing compliance tests consists of the following items:

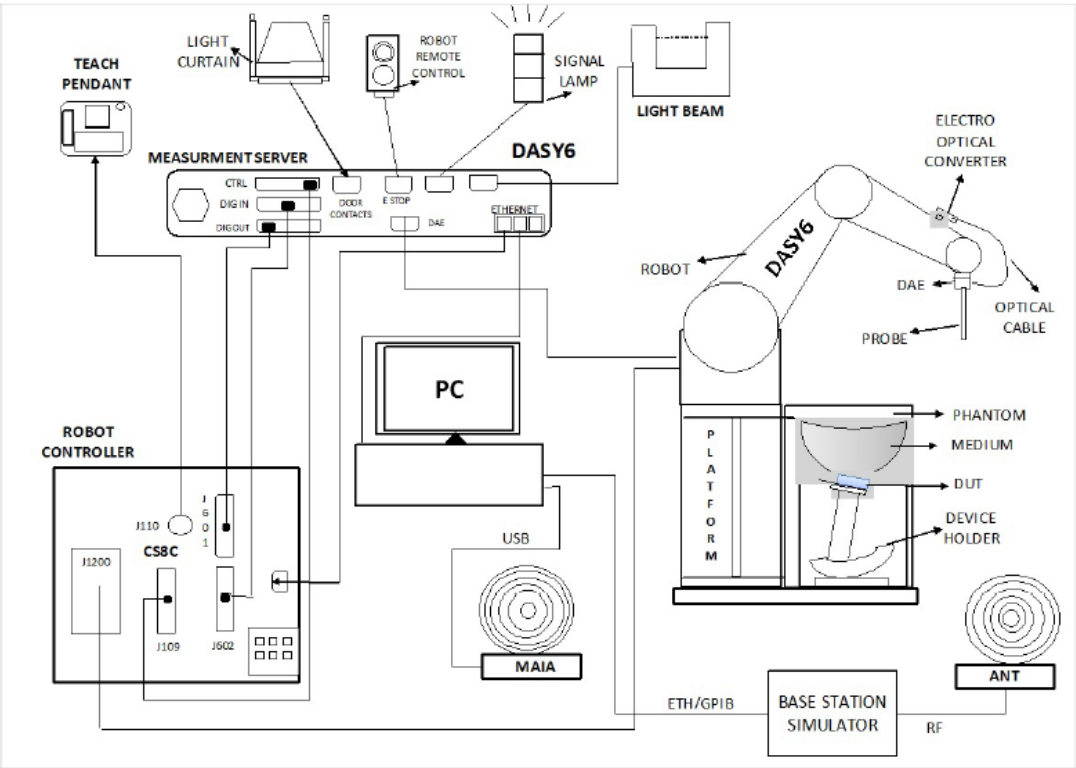
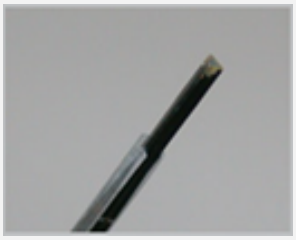


Figure 2: DASY 6 SAR Measurement system

- A standard high precision 6-axis robot (Stäubli TX=RX family) with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running the DASY software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

	Model	EX3DV4
	Construction	Symmetrical design with triangular core. Built-in shielding against static charges. PEEK enclosure material (resistant to organic solvents, e.g., DGBE).
	Frequency	10 MHz to > 6 GHz; Linearity: ± 0.2 dB (30 MHz to 6 GHz)
	Directivity	± 0.3 dB in TSL (rotation around probe axis) ± 0.5 dB in TSL (rotation normal to probe axis)
	Dynamic Range	10 µW/g to > 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 µW/g)
	Dimensions	Overall length: 337 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1.0 mm

	Model	DAE4
	Construction	Signal amplifier, multiplexer, A/D converter, and control logic. Serial optical link communication with DASY4/5 embedded system (fully remote controlled). Two-step probe touch detector for mechanical surface detection and emergency robot stop.
	Measurement Range	-100 to +300 mV (16 bit resolution and two range settings: 4mV, 400mV)
	Input Offset Voltage	< 5 µV (with auto zero)
	Input Resistance	200 MOhm
	Input Blas Current	< 50 fA

	Model	ELI
	Construction	Phantom for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI is fully compatible with the IEC 62209-2 standard and all known tissue simulating liquids. ELI has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is compatible with all SPEAG dosimetric probes and dipoles.
	Material	Vinylester, glass fiber reinforced (VE-GF)
	Liquid Compatibility	Compatible with all SPEAG tissue simulating liquids (incl. DGBE type)
	Shell Thickness	2 ± 0.2 mm (bottom plate)
	Dimensions	Major axis: 600 mm, Minor axis: 400 mm
	Filling Volume	Approx. 30 liters
	Wooden Support	SPEAG standard phantom table

	Model	**Mounting Device for Laptop and Body-Worn Transmitters**
	Construction	In combination with the Twin SAM V5.0/V5.0c or ELI Phantoms, the Mounting Device (Body-worn) enables testing of transmitters devices according to IEC 62209-2 specifications. The device holder can be locked for positioning at flat phantom section.
	Material	Polyoxymethylene (POM), PET-G, Foam

	Model	**System Validations Kits 450 MHz – 6 GHz**
	Construction	Symmetrical dipole with I/4 balun. Enables measurement of feedpoint impedance with NWA. Matched for use near flat phantoms filled with tissue simulating solutions.
	Frequency	450 MHz to 5800 MHz
	Return Loss	20 dB at specified validation position
	Dimensions (length and overall height in mm)	

Product	Dipole length	Overall height
D450V3	290.0	330.0
D750V3	179.0	330.0
D900V2	148.5	340.0
D1800V2	72.5	300.0
D2000V2	65.0	300.0
D2300V2	56.3	290.0
D2450V2	52.0	290.0
D2600V2	49.2	290.0
D3300V2	38.0	285.0
D3500V2	37.0	285.0
D3700V2	34.7	285.0
D3900V2	32.0	280.0
D4200V2	30.1	280.0
D4600V2	27.0	280.0
D4900V2	25.0	280.0
D5GHzV2	20.6	300.0

2.2. 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 in 5mm distance, a positioning uncertainty of ±0.5mm would produce a SAR uncertainty of ±20%. An 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.

The DASY Laptop Holder extension is lightweight and made of POM, PET-G acrylic glass and foam. It fits easily on the upper part of the Mounting Device in place of the phone positioner. The extension is fully compatible with the Twin-SAM and ELI phantoms.

2.3. Test Positions of device relative to body

The device is a Telematics control unit (TCU) with wireless technologies, which will be installed into a car roof in a fixed position, over the rear seat row at the center of the roof close to the rear window. This unit was designed for automotive usage and contains the following features: GSM, UMTS, LTE, 5G, GNSS, TMPS, SDARS and Bluetooth Low Energy (BTLE).

The equipment supports two internal antennas that can be used for transmission. The LTE 1 antenna is used to transmit into GSM, UMTS, LTE and 5G bands below 3GHz, and the LTE 2 antenna is used to transmit into 5G bands above 3 GHz.

Additionally, the device has another two cellulars antennas, LTE 3 and LTE 4 which are only used in reception mode, and also a BTLE antenna.

Once installed, according to the manufacturer, the closer distance between the LTE internal antennas and the head of the closest passenger will be 86.5 mm and the minimum distance between the BTLE internal antenna and the head of the closest passenger will be 118.0 mm.

The device has been tested placed at the centre of the flat phantom with its back side facing the flat phantom surface simulating the normal use conditions at a conservative testing distance of 40 mm according to manufacturer request.

2.4. Test to be performed

Test shall be performed for each test position previously described, using the channel producing the highest rated output power.

Additionally the other applicable test frequency channels must be measured for the test configuration providing the highest SAR for each applicable transmitting band.

2.5. Description of interpolation/extrapolation scheme

The local SAR inside the Phantom is measured using small dipole sensing elements inside a probe element. The probe tip must not be in contact with the Phantoms surface in order to minimise measurement errors, but the highest local SAR is obtained from measurements at a certain distances from the shell trough extrapolation. The accurate assessment of the maximum SAR averaged over 10 gr. requires a very fine resolution in the three dimensional scanned data array. Since the measurements have to be performed over a limited time, the measured data have to be interpolated to provide an array of sufficient resolution.

The interpolation of 2D area scan is used after the initial area scan, at a fixed distance from the Phantom shell wall. The initial scan data is collected with approx. 15 mm spatial resolution and this interpolation is used to find the location of the local maximum for positioning the subsequent 3D scanning within a 1mm resolution.

For the 3D scan, data is collected on a spatially regular 3D grid having 5 mm steps in both directions. After the data collection by the SAR probe, the data are extrapolated in the depth direction to assign values to points in the 3D array closer to the shell wall. A notional extrapolation value is also assigned to the first point outside the shell wall so that subsequent interpolation schemes will be applicable right up to the shell wall boundary.

2.6. Determination of the largest peak spatial-average SAR

To determine the maximum value of the peak spatial-average SAR of a DUT, all device positions, configurations and operational modes should be tested for each frequency band.

The averaging volume shall be chosen as 1gr. of contiguous tissue. The cubic volumes, over which the SAR measurements are averaged after extrapolation and interpolation, are chosen in order to include the highest values of local SAR.

The maximum SAR level for the DUT will be the maximum level obtained of the performed measurements indicated in the previous points.

2.7. System Check

Prior to the SAR measurements, system verification is done to verify the system accuracy. As IEEE 1528-2013, Annex paragraph 8.2.1 “System Check - Purpose” specifies, a complete SAR evaluation is done using a half-wavelength dipole as source with the frequency of the mid-band channel of the operating band, or within 10% of this channel, whichever is greater.

The measured 1 gr. and 10 gr. SAR should be within 10% of the expected target values specified in the calibration certificate of the dipole, for the specific tissue and frequency used.

3. UNCERTAINTY

According to FCC OET KDB 865664 D01, if the highest measured 1-g SAR is < 1.5 W/kg, SAR measurement uncertainty analysis is not required to be included into SAR report, but it has been included for ISO 17025 accreditation.

Uncertainty for 300 MHz – 3 GHz

ERROR SOURCES (source of uncertainty)	Uncertainty value (%)	Prob. Dist.	Div.	*ci (1g)*	*ci (10g)*	*Standard uncertainty (1g) (%)*	*Standard uncertainty (10g) (%)*
Measurement Equipment							
Probe Calibration	13.30%	N	2	1	1	6.65%	6.65%
Probe calibration drift	1.70%	R	√3	1	1	0.98%	0.98%
Axial Isotropy	4.70%	R	√3	0.7	0.7	1.90%	1.90%
Hemisfericall Isotropy	9.60%	R	√3	0.7	0.7	3.88%	3.88%
Boundary effect	1.00%	R	√3	1	1	0.58%	0.58%
Linearity	4.70%	R	√3	1	1	2.71%	2.71%
System Detection limits	0.25%	R	√3	1	1	0.14%	0.14%
Probe modulation response	4.80%	N	1	1	1	4.80%	4.80%
Readout electronics	0.30%	N	1	1	1	0.30%	0.30%
Response time	1.01%	R	√3	1	1	0.58%	0.58%
Integration time	2.60%	R	√3	1	1	1.50%	1.50%
RF Ambient noise	3.00%	R	√3	1	1	1.73%	1.73%
RF Ambient reflections	3.00%	R	√3	1	1	1.73%	1.73%
Probe positioner mech. restrictions	0.40%	R	√3	1	1	0.23%	0.23%
Probe positioning with respect to phantom shell	2.90%	R	√3	1	1	1.67%	1.67%
Max. SAR Eval.	2.00%	R	√3	1	1	1.15%	1.15%
Test Sample Related							
Device holder uncertainty	3.60%	N	1	1	1	3.60%	3.60%
Test sample positioning	2.90%	N	1	1	1	2.90%	2.90%
Drift of output power	2.50%	N	1	1	1	2.50%	2.50%
System Validation source (dipole)							
Deviation of experimental dipole from numerical dipole	0.00%	N	1	0	0	0.00%	0.00%
Input power and SAR drift measurement	2.00%	R	√3	1	1	1.15%	1.15%
Dipole axis to liquid distance	3.40%	R	√3	1	1	1.96%	1.96%
Phantom and Setup							
Phantom uncertainty (shape and thickness tolerances)	6.10%	R	√3	1	1	3.52%	3.52%
Algorithm for correcting SAR for deviations in permittivity and conductivity	1.90%	N	1	1	0.84	1.90%	1.60%
Liquid conductivity (meas.)	3.57%	N	1	0.78	0.71	2.79%	2.54%
Liquid permittivity (meas.)	3.57%	N	1	0.26	0.26	0.93%	0.93%
Liquid conductivity – temperature uncertainty	2.30%	R	√3	0.78	0.71	1.04%	0.94%
Liquid permittivity – temperature uncertainty	0.36%	R	√3	0.23	0.26	0.05%	0.05%
Combined standard uncertainty (Validation antenna)	$u_c = \sqrt{\sum_{1=1}^{m} c_i^2} \cdot u_i^2$					9.88%	9.75%
Expanded uncertainty (confidence interval of 95%)	*ue =2.00 uc*					**19.77%**	**19.51%**
Combined standard uncertainty (DUT)	$u_c = \sqrt{\sum_{1=1}^{m} c_i^2} \cdot u_i^2$					12.68%	12.58%
Expanded uncertainty (confidence interval of 95%)	*ue =2.00 uc*					**25.36%**	**25.16%**

Table 2: Uncertainty Assessment for 300 MHz - 3 GHz.

Uncertainty for 3 GHz – 6 GHz

ERROR SOURCES (source of uncertainty)	Uncertainty value (%)	Prob. Dist.	Div.	*ci (1g)*	*ci (10g)*	*Standard uncertainty (1g) (%)*	*Standard uncertainty (10g) (%)*
Measurement Equipment							
Probe Calibration	13.10%	N	2	1	1	6.55%	6.55%
Probe calibration drift	1.70%	R	√3	1	1	0.98%	0.98%
Axial Isotropy	4.70%	R	√3	0.7	0.7	1.90%	1.90%
Hemisfericall Isotropy	9.60%	R	√3	0.7	0.7	3.88%	3.88%
Boundary effect	2.00%	R	√3	1	1	1.15%	1.15%
Linearity	4.70%	R	√3	1	1	2.71%	2.71%
System Detection limits	0.25%	R	√3	1	1	0.14%	0.14%
Probe modulation response	4.80%	N	1	1	1	4.80%	4.80%
Readout electronics	0.30%	N	1	1	1	0.30%	0.30%
Response time	1.01%	R	√3	1	1	0.58%	0.58%
Integration time	2.60%	R	√3	1	1	1.50%	1.50%
RF Ambient noise	3.00%	R	√3	1	1	1.73%	1.73%
RF Ambient reflections	3.00%	R	√3	1	1	1.73%	1.73%
Probe positioner mech. restrictions	0.40%	R	√3	1	1	0.23%	0.23%
Probe positioning with respect to phantom shell	6.70%	R	√3	1	1	3.87%	3.87%
Max. SAR Eval.	4.00%	R	√3	1	1	2.31%	2.31%
Test Sample Related							
Device holder uncertainty	3.60%	N	1	1	1	3.60%	3.60%
Test sample positioning	2.90%	N	1	1	1	2.90%	2.90%
Drift of output power	2.50%	N	1	1	1	2.50%	2.50%
System Validation source (dipole)							
Deviation of experimental dipole from numerical dipole	0.00%	N	1	0	0	0.00%	0.00%
Input power and SAR drift measurement	2.00%	R	√3	1	1	1.15%	1.15%
Dipole axis to liquid distance	3.40%	R	√3	1	1	1.96%	1.96%
Phantom and Setup							
Phantom uncertainty (shape and thickness tolerances)	6.60%	R	√3	1	1	3.81%	3.81%
Algorithm for correcting SAR for deviations in permittivity and conductivity	1.90%	N	1	1	0.84	1.90%	1.60%
Liquid conductivity (meas.)	3.57%	N	1	0.78	0.71	2.79%	2.54%
Liquid permittivity (meas.)	3.57%	N	1	0.26	0.26	0.93%	0.93%
Liquid conductivity – temperature uncertainty	3.36%	R	√3	0.78	0.71	1.51%	1.38%
Liquid permittivity – temperature uncertainty	0.40%	R	√3	0.23	0.26	0.05%	0.06%
Combined standard uncertainty (Validation antenna)	$u_c = \sqrt{\sum_{1=1}^{m} c_i^2 \cdot u_i^2}$					10.81%	10.68%
Expanded uncertainty (confidence interval of 95%)	*ue =2.00 uc*					**21.62%**	**21.36%**
Combined standard uncertainty (DUT)	$u_c = \sqrt{\sum_{1=1}^{m} c_i^2 \cdot u_i^2}$					13.42%	13.31%
Expanded uncertainty (confidence interval of 95%)	*ue =2.00 uc*					**26.83%**	**26.62%**

Table 3: Uncertainty Assessment for 3 GHz – 6GHz.

4. SAR LIMIT

Having a worst-case measurement, the SAR limit is valid for general population/uncontrolled exposure.

The SAR values have to be averaged over a mass of 1 gr. (SAR 1 gr.) with the shape of a cube and averaged over a mass of 10 gr (Extremity SAR 10 gr). These levels could not exceed the values indicated in the application Standard:

Standard	Exposure	SAR	SAR Limit (W/kg)
FCC 47 CFR Part 1.1310, Paragraph (c)	General population/Uncontrolled	SAR 1-g.	1.6
FCC 47 CFR Part 1.1310, Paragraph (c)	General population/Uncontrolled Extremity	SAR 10-g.	4.0

Table 4: SAR limit

5. DEVICE UNDER TEST

5.1. Dimensions

Dimensions	Millimetres
Length x Width x Height	250.0 x 163.0 x 30.0

Table 5: DUT dimensions

5.2. Wireless Technology

Wireless Technology	Frequency Bands	Modes	Duty Cycle used for SAR testing
GSM	850/1900	- Voice (GMSK) - GPRS (GMSK, MS class 33) - EGPRS (8PSK, MS class 33)	- GMSK: 12.5 % - GPRS/EGPRS 1 slot: 12.5 % - GPRS/EGPRS 2 slot: 25.0 % - GPRS/EGPRS 3 slot: 37.5 % - GPRS/EGPRS 4 slot: 50.0 %
WCDMA	V	- UMTS Rel. 99 - HSDPA (Rel. 5) - HSPA (Rel. 6) - HSPA+ (Rel. 7) - DC-HSDPA (Rel. 8)	- 100 %
LTE	2/4/5/7/12/13/14/17/25/ 26/38/41/66/71	- FDD and TDD Bands - CA Downlink - CA Uplink Intra-Band - CA Uplink Inter-Band - QPSK and 16-QAM	- FDD: 100 % - TDD: 62.9 %
5G	n2/n5/n7/n12/n13/n14/n25/n26/ n38/n41/n66/n71/n77/n78	- FDD and TDD Bands - SA mode - NSA-EN-DC mode	- FDD: 100 % - TDD: 100 % - TDD: 50 %
Bluetooth	2.4 GHz	- BTLE	- SAR Low-Power Exclusion compliant

Table 6: Supported modes

5.3. Simultaneous Transmission

Simultaneous transmission evaluation was performed according to FCC OET KDB 447498 D01 General RF Exposure Guidance v06 (October 2015). The detailed simultaneous transmission combination is:

RF Exposure Condition	Simultaneous transmission configurations
Head/Body	WWAN (LTE1/LTE2) + BTLE

Table 7: DUT simultaneous transmission

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1. TEST CONDITIONS

1.1. Power supply (V):

Vn = 12.0 V
Type of power supply = DC Voltage from power supply.

1.2. Temperature (ºC):

Tn = +20.00 to +25.00
The subscript n indicates normal test conditions.

1.3. DUT information and test-site configurations

For all supported modes, the back face of the DUT was place facing the flat phantom surface using 40 mm test separation distance for all measurements.

1.4. Test signal, Output Power and Frequencies

The sample sample (S/02) was put into operation by using an R&S CMW 500 as base station simulator for 2G, 3G and LTE transmitting technologies and an R&S CMX500 was used to perform measurements for 5G transmitting technologies. The output power of the device was set to Power Control Level (PCL) maximum for all tests.

The actual SAR sample does not have accessible antenna connectors for conducted measurements, so the conducted average output power was measured using others identical samples (S/01) provided by the manufacturer with auxiliary external connectors that make the measurements representative and applicable for all the tested samples. See ‘usage of samples’ paragraph of this report.

The maximum conducted time-averaged power of the device for each mode was measured with a power sensor R&S NRP-Z81.

The target power alignments, including tune-up tolerance, for RF components declared by the manufacturer for each supported technology are:

Technology / Mode	Band	Frequency (MHz)	Maximum Burst Averaged Output Power (Incl. Tune-Up) (dBm)	Maximum Frame Averaged Output Power (Incl. Tune-Up) (dBm)
GSM	850	824 - 849	35.0	26.0
GPRS 1TX	850	824 - 849	35.0	26.0
GPRS 2TX	850	824 - 849	35.0	29.0
GPRS 3TX	850	824 - 849	35.0	28.9
GPRS 4TX	850	824 - 849	35.0	29.0
GSM	1900	1850 - 1910	32.0	23.0
GPRS 1TX	1900	1850 - 1910	32.0	23.0
GPRS 2TX	1900	1850 - 1910	32.0	26.0
GPRS 3TX	1900	1850 - 1910	32.0	25.9
GPRS 4TX	1900	1850 - 1910	32.0	26.0

Technology / Mode	Band	Frequency (MHz)	Maximum Output Power (Incl. Tune-Up) (dBm)
UMTS	V	826 - 847	25.7

Technology / Mode	Band	Frequency (MHz)	Maximum Output Power (Incl. Tune-Up) (dBm)
LTE	2	1850 - 1910	25.7
LTE	4	1710 - 1755	25.7
LTE	5	824 - 849	25.7
LTE	7	2500 - 2570	25.7
LTE	12	699 - 716	25.7
LTE	13	777 - 787	25.7
LTE	14	788-798	25.7
LTE	17	704 - 716	25.7
LTE	25	1850 - 1915	25.7
LTE	26	814 - 849	25.7
LTE	38	2570-2620	25.7
LTE	41	2496 - 2690	25.7
LTE	66	1710 - 1780	25.7
LTE	71	663 - 698	25.7

LTE CA Uplink Combination	PCC Band	Maximum Output Power (Incl. Tune-Up) (dBm)
5B	LTE 5	25.7
7C	LTE 7	25.7
12B	LTE 12	25.7
41C	LTE 41	25.7
66B	LTE 66	25.7
66C	LTE 66	25.7

Technology / Mode	Band	Frequency (MHz)	Maximum Output Power (Incl. Tune-Up) (dBm)
5G SA	n2	1850 - 1910	25.0
	n5	824 - 849	25.0
	n7	2500 - 2570	25.0
	n12	699 – 716	25.0
	n13	777 – 787	25.0
	n14	788 – 798	25.0
	n25	1850 - 1915	25.0
	n26	814 – 849	25.0
	n38	2570 - 2620	25.0
	n41	2496 - 2690	25.0
	n66	1710 - 1780	25.0
	n71	663 - 698	25.0
	n77	3300 – 4200	25.0
	n78	3300 - 3800	25.0

Technology / Mode	Band Combination	Maximum Output Power (Incl. Tune-Up) (dBm)
5G NSA	2_n5	25.7-25.0
	2_n71	25.7-25.0
	2_n77	25.7-25.0
	2_n78	25.7-25.0
	5_n2	25.7-25.0
	5_n66	25.7-25.0
	5_n77	25.7-25.0
	5_n78	25.7-25.0
	7_n5	25.7-25.0
	7_n78	25.7-25.0
	12_n2	25.7-25.0
	12_n66	25.7-25.0
	12_n78	25.7-25.0
	13_n2	25.7-25.0
	13_n66	25.7-25.0
	13_n77	25.7-25.0
	14_n2	25.7-25.0
	14_n66	25.7-25.0
	26_n41	25.7-25.0
	26_n78	25.7-25.0
	41_n77	25.7-25.0
	41_n78	25.7-25.0
	66_n5	25.7-25.0
	66_n71	25.7-25.0
	66_n77	25.7-25.0
	66_n78	25.7-25.0
	71_n2	25.7-25.0
	71_n66	25.7-25.0
	2_13_n77	25.7-25.7-25.0
	2_14_n66	25.7-25.7-25.0
	2_66_n5	25.7-25.7-25.0
	2_66_n71	25.7-25.7-25.0
	2_66_n77	25.7-25.7-25.0
	5_7_n78	25.7-25.7-25.0
	7_5_n78	25.7-25.7-25.0
	13_66_n77	25.7-25.7-25.0
	14_66_n2	25.7-25.7-25.0
	14_66_n66	25.7-25.7-25.0

Maximum Output Power (dBm)	
Band	**Bluetooth LE**
2.4 GHz	5.0

2. CONDUCTED AVERAGE POWER MEASUREMENTS

2.1. GSM/GPRS/EGPRS

Technology	Band	Channel	Frequency (MHz)	Uplink Slots	PCL	Frame Average Output Power (dBm)	Burst Average Output Power (dBm)
GSM	850	128.0	824.20	1	5	22.27	31.30
GSM	850	190.0	836.60	1	5	22.44	31.47
GSM	850	251.0	848.80	1	5	22.42	31.45
GPRS	850	128.0	824.20	1	5	22.04	31.07
GPRS	850	128.0	824.20	2	5	21.78	27.80
GPRS	850	128.0	824.20	3	5	21.44	25.70
GPRS	850	128.0	824.20	4	5	21.13	24.14
GPRS	850	190.0	836.60	1	5	23.40	32.43
GPRS	850	190.0	836.60	2	5	23.28	29.30
GPRS	850	190.0	836.60	3	5	23.07	27.33
GPRS	850	190.0	836.60	4	5	22.70	25.71
GPRS	850	251.0	848.80	1	5	23.39	32.42
GPRS	850	251.0	848.80	2	5	23.29	29.31
GPRS	850	251.0	848.80	3	5	22.97	27.23
GPRS	850	251.0	848.80	4	5	22.64	25.65
EGPRS	850	128.0	824.20	1	8	15.92	24.95
EGPRS	850	128.0	824.20	2	8	15.69	21.71
EGPRS	850	128.0	824.20	3	8	15.45	19.71
EGPRS	850	128.0	824.20	4	8	15.27	18.28
EGPRS	850	190.0	836.60	1	8	16.71	25.74
EGPRS	850	190.0	836.60	2	8	16.54	22.56
EGPRS	850	190.0	836.60	3	8	16.30	20.56
EGPRS	850	190.0	836.60	4	8	16.09	19.10
EGPRS	850	251.0	848.80	1	8	17.14	26.17
EGPRS	850	251.0	848.80	2	8	16.97	22.99
EGPRS	850	251.0	848.80	3	8	16.81	21.07
EGPRS	850	251.0	848.80	4	8	16.69	19.70
GSM	1900	512.0	1850.20	1	0	20.14	29.17
GSM	1900	661.0	1880.00	1	0	19.88	28.91
GSM	1900	810.0	1909.80	1	0	19.51	28.54
GPRS	1900	512.0	1850.20	1	0	20.15	29.18

Technology	Band	Channel	Frequency (MHz)	Uplink Slots	PCL	Frame Average Output Power (dBm)	Burst Average Output Power (dBm)
GPRS	1900	512.0	1850.20	2	0	20.00	26.02
GPRS	1900	512.0	1850.20	3	0	19.86	24.12
GPRS	1900	512.0	1850.20	4	0	19.68	22.69
GPRS	1900	661.0	1880.00	1	0	19.75	28.78
GPRS	1900	661.0	1880.00	2	0	19.70	25.72
GPRS	1900	661.0	1880.00	3	0	19.60	23.86
GPRS	1900	661.0	1880.00	4	0	19.42	22.43
GPRS	1900	810.0	1909.80	1	0	19.44	28.47
GPRS	1900	810.0	1909.80	2	0	19.34	25.36
GPRS	1900	810.0	1909.80	3	0	19.20	23.46
GPRS	1900	810.0	1909.80	4	0	19.04	22.05
EGPRS	1900	512.0	1850.20	1	2	16.45	25.48
EGPRS	1900	512.0	1850.20	2	2	16.14	22.16
EGPRS	1900	512.0	1850.20	3	2	15.81	20.07
EGPRS	1900	512.0	1850.20	4	2	15.94	18.95
EGPRS	1900	661.0	1880.00	1	2	16.87	25.90
EGPRS	1900	661.0	1880.00	2	2	16.52	22.54
EGPRS	1900	661.0	1880.00	3	2	16.42	20.68
EGPRS	1900	661.0	1880.00	4	2	16.17	19.18
EGPRS	1900	810.0	1909.80	1	2	16.07	25.10
EGPRS	1900	810.0	1909.80	2	2	16.03	22.05
EGPRS	1900	810.0	1909.80	3	2	15.77	20.03
EGPRS	1900	810.0	1909.80	4	2	15.55	18.56

2G Notes:

1. **GSM 850**: For voice mode PCL 5 was set to allow max power transmission.
2. **GPRS 850**: For data mode. PCL 5, CS1 coding scheme and Gamma 3 were set to allow max power transmission for each slot.
3. **EGPRS 850**: For data mode. PCL 8, MCS5 coding scheme and Gamma 6 were set to allow max power transmission for each slot.
4. **GSM 1900**: For voice mode PCL 0 was set to allow max power transmission.
5. **GPRS1900**: For data mode. PCL 0, CS1 coding scheme and Gamma 3 were set to allow max power transmission for each slot.
6. **EGPRS 1900**: For data mode, PCL 2, MCS5 coding scheme and Gamma 5 were to allow max power transmission for each slot.

2.2. WCDMA/HSDPA/HSPA/HSPA+

Technology	Band	Channel	Frequency (MHz)	Subtest	Average Output Power (dBm)
WCDMA	FDDV	4132.0	826.40	N/A	22.65
WCDMA	FDDV	4183.0	836.60	N/A	22.50
WCDMA	FDDV	4233.0	846.60	N/A	22.40
HSDPA	FDDV	4132.0	826.40	1	21.60
HSDPA	FDDV	4183.0	836.60	1	21.52
HSDPA	FDDV	4233.0	846.60	1	21.42
HSDPA	FDDV	4132.0	826.40	2	21.68
HSDPA	FDDV	4183.0	836.60	2	21.46
HSDPA	FDDV	4233.0	846.60	2	21.35
HSDPA	FDDV	4132.0	826.40	3	21.16
HSDPA	FDDV	4183.0	836.60	3	20.91
HSDPA	FDDV	4233.0	846.60	3	20.89
HSDPA	FDDV	4132.0	826.40	4	21.13
HSDPA	FDDV	4183.0	836.60	4	20.95
HSDPA	FDDV	4233.0	846.60	4	20.83
HSPA	FDDV	4132.0	826.40	1	21.60
HSPA	FDDV	4183.0	836.60	1	21.49
HSPA	FDDV	4233.0	846.60	1	21.50
HSPA	FDDV	4132.0	826.40	2	19.62
HSPA	FDDV	4183.0	836.60	2	19.57
HSPA	FDDV	4233.0	846.60	2	19.47
HSPA	FDDV	4132.0	826.40	3	20.68
HSPA	FDDV	4183.0	836.60	3	20.52
HSPA	FDDV	4233.0	846.60	3	20.43
HSPA	FDDV	4132.0	826.40	4	19.61
HSPA	FDDV	4183.0	836.60	4	19.50
HSPA	FDDV	4233.0	846.60	4	19.49
HSPA	FDDV	4132.0	826.40	5	21.70
HSPA	FDDV	4183.0	836.60	5	21.48
HSPA	FDDV	4233.0	846.60	5	21.39
HSPA+	FDDV	4132.0	826.40	N/A	21.57
HSPA+	FDDV	4183.0	836.60	N/A	21.48
HSPA+	FDDV	4233.0	846.60	N/A	21.37

3G Notes:

1. **WCDMA:** The DUT supports power Class 3, with a nominal maximum output power of 24 dBm. Tests were completed according to 3GPP TS34.121, section 5.

Mode	Subtest	Rel99
WCDMA	Loopback Mode	Test Mode 1
	Rel99 RMC	12.2Kbps RMC
	Power Control Algorithm	Algorithm2
	βc/βd	8/15

2. **HSDPA:**

Mode	Subtest	1	2	3	4
HSDPA	Loopback Mode	Test Mode 1			
	Rel99 RMC	12.2Kbps RMC			
	HSDPA FRC	H-Set1			
	HSUPA Test	HSUPA Loopback			
	Power Control Algorithm	Algorithm 2			
	βc	2/15	12/15	15/15	15/15
	βd	15/15	15/15	8/15	4/15
	Bd (SF)	64	64	64	64
	βc/βd	2/15	12/15	15/8	15/4
	βhs	4/15	24/15	30/15	30/15
	MPR	0	0	0.5	0.5
	Dack	8			
	Dnak	8			
	Ack-Nack repetition factor	3			
	DCQI	8			
	CQI Feedback	4ms			
	CQI Repetition Factor	2			
	Ahs =βhs/βc	30/15			

3. HSPA:

Mode	Subtest	1	2	3	4	5
HSPA	Loopback Mode	Test Mode 1				
	Rel99 RMC	12.2Kbps RMC				
	HSDPA FRC	H-Set1				
	HSUPA Test	HSUPA Loopback				
	Power Control Algorithm	Algorithm 2				
	βc	11/15	6/15	15/15	2/15	15/15
	βd	15/15	15/15	9/15	15/15	15/15
	βec	209/225	12/15	30/15	2/15	24/15
	βc/βd	11/15	6/15	15/9	2/15	15/15
	βhs	22/15	12/15	30/15	4/15	30/15
	βed	1309/225	94/75	47/15	56/75	134/15
	MPR (dB)	0	2	1	2	0
	Dack	8				
	Dnak	8				
	Ack-Nack repetition factor	3				
	DCQI	8				
	CQI Feedback	4ms				
	CQI Repetition Factor	2				
	Ahs =βhs/βc	30/15				
	AG Index	20	12	15	17	21
	ETFCI	75	67	92	71	81
	Associated Max UL DataRate Kbps	242.1	174.9	482.8	205.8	308.9

4. HSPA+:

Mode	Subtest	1
HSPA+	Loopback Mode	Test Mode 1
	Rel99 RMC	12.2Kbps RMC
	HSDPA FRC	H-Set1
	HSUPA Test	HSUPA Loopback
	Power Control Algorithm	Algorithm 2
	βc	1
	βd	0
	βec	30/15
	βhs	30/15
	βed (2xSF2)	βed1: 30/15
		βed2: 30/15
	βed (2xSF4)	βed3: 24/15
		βed4: 24/15
	CM (dB)	3.5
	MPR (dB)	2.5
	D E-DPCCH	7
	AG Index	14
	ETFCI	105

2.3. LTE

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD2	20.00	QPSK	0.0	1	0	18700.0	1860.00	21.87
LTE/FDD2	20.00	QPSK	0.0	1	49	18700.0	1860.00	21.82
LTE/FDD2	20.00	QPSK	0.0	1	99	18700.0	1860.00	21.78
LTE/FDD2	20.00	QPSK	1.0	50	0	18700.0	1860.00	20.87
LTE/FDD2	20.00	QPSK	1.0	50	24	18700.0	1860.00	20.81
LTE/FDD2	20.00	QPSK	1.0	50	49	18700.0	1860.00	20.80
LTE/FDD2	20.00	QPSK	1.0	100	0	18700.0	1860.00	20.80
LTE/FDD2	20.00	16QAM	1.0	1	0	18700.0	1860.00	20.99
LTE/FDD2	20.00	16QAM	1.0	1	49	18700.0	1860.00	21.04
LTE/FDD2	20.00	16QAM	1.0	1	99	18700.0	1860.00	20.93
LTE/FDD2	20.00	16QAM	2.0	50	0	18700.0	1860.00	19.93
LTE/FDD2	20.00	16QAM	2.0	50	24	18700.0	1860.00	19.83
LTE/FDD2	20.00	16QAM	2.0	50	49	18700.0	1860.00	19.84
LTE/FDD2	20.00	16QAM	2.0	100	0	18700.0	1860.00	19.82
LTE/FDD2	20.00	QPSK	0.0	1	0	18900.0	1880.00	21.75
LTE/FDD2	20.00	QPSK	0.0	1	49	18900.0	1880.00	21.74
LTE/FDD2	20.00	QPSK	0.0	1	99	18900.0	1880.00	21.61
LTE/FDD2	20.00	QPSK	1.0	50	0	18900.0	1880.00	20.73
LTE/FDD2	20.00	QPSK	1.0	50	24	18900.0	1880.00	20.74
LTE/FDD2	20.00	QPSK	1.0	50	49	18900.0	1880.00	20.71
LTE/FDD2	20.00	QPSK	1.0	100	0	18900.0	1880.00	20.81
LTE/FDD2	20.00	16QAM	1.0	1	0	18900.0	1880.00	20.93
LTE/FDD2	20.00	16QAM	1.0	1	49	18900.0	1880.00	20.85
LTE/FDD2	20.00	16QAM	1.0	1	99	18900.0	1880.00	20.88
LTE/FDD2	20.00	16QAM	2.0	50	0	18900.0	1880.00	19.72
LTE/FDD2	20.00	16QAM	2.0	50	24	18900.0	1880.00	19.73
LTE/FDD2	20.00	16QAM	2.0	50	49	18900.0	1880.00	19.57
LTE/FDD2	20.00	16QAM	2.0	100	0	18900.0	1880.00	19.69
LTE/FDD2	20.00	QPSK	0.0	1	0	19100.0	1900.00	21.62
LTE/FDD2	20.00	QPSK	0.0	1	49	19100.0	1900.00	21.71
LTE/FDD2	20.00	QPSK	0.0	1	99	19100.0	1900.00	21.54
LTE/FDD2	20.00	QPSK	1.0	50	0	19100.0	1900.00	20.69
LTE/FDD2	20.00	QPSK	1.0	50	24	19100.0	1900.00	20.71

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD2	20.00	QPSK	1.0	50	49	19100.0	1900.00	20.53
LTE/FDD2	20.00	QPSK	1.0	100	0	19100.0	1900.00	20.65
LTE/FDD2	20.00	16QAM	1.0	1	0	19100.0	1900.00	20.89
LTE/FDD2	20.00	16QAM	1.0	1	49	19100.0	1900.00	20.72
LTE/FDD2	20.00	16QAM	1.0	1	99	19100.0	1900.00	20.68
LTE/FDD2	20.00	16QAM	2.0	50	0	19100.0	1900.00	19.70
LTE/FDD2	20.00	16QAM	2.0	50	24	19100.0	1900.00	19.68
LTE/FDD2	20.00	16QAM	2.0	50	49	19100.0	1900.00	19.54
LTE/FDD2	20.00	16QAM	2.0	100	0	19100.0	1900.00	19.67
LTE/FDD2	15.00	QPSK	0.0	1	0	18675.0	1857.50	21.78
LTE/FDD2	15.00	QPSK	0.0	1	37	18675.0	1857.50	21.77
LTE/FDD2	15.00	QPSK	0.0	1	74	18675.0	1857.50	21.72
LTE/FDD2	15.00	QPSK	1.0	36	0	18675.0	1857.50	20.91
LTE/FDD2	15.00	QPSK	1.0	50	18	18675.0	1857.50	20.84
LTE/FDD2	15.00	QPSK	1.0	50	39	18675.0	1857.50	20.85
LTE/FDD2	15.00	QPSK	1.0	75	0	18675.0	1857.50	20.85
LTE/FDD2	15.00	16QAM	1.0	1	0	18675.0	1857.50	21.05
LTE/FDD2	15.00	16QAM	1.0	1	37	18675.0	1857.50	20.90
LTE/FDD2	15.00	16QAM	1.0	1	74	18675.0	1857.50	20.90
LTE/FDD2	15.00	16QAM	2.0	36	0	18675.0	1857.50	19.94
LTE/FDD2	15.00	16QAM	2.0	50	18	18675.0	1857.50	19.86
LTE/FDD2	15.00	16QAM	2.0	50	39	18675.0	1857.50	19.85
LTE/FDD2	15.00	16QAM	2.0	75	0	18675.0	1857.50	19.84
LTE/FDD2	15.00	QPSK	0.0	1	0	18900.0	1880.00	21.59
LTE/FDD2	15.00	QPSK	0.0	1	37	18900.0	1880.00	21.61
LTE/FDD2	15.00	QPSK	0.0	1	74	18900.0	1880.00	21.56
LTE/FDD2	15.00	QPSK	1.0	36	0	18900.0	1880.00	20.75
LTE/FDD2	15.00	QPSK	1.0	50	18	18900.0	1880.00	20.79
LTE/FDD2	15.00	QPSK	1.0	50	39	18900.0	1880.00	20.69
LTE/FDD2	15.00	QPSK	1.0	75	0	18900.0	1880.00	20.78
LTE/FDD2	15.00	16QAM	1.0	1	0	18900.0	1880.00	20.82
LTE/FDD2	15.00	16QAM	1.0	1	37	18900.0	1880.00	20.77
LTE/FDD2	15.00	16QAM	1.0	1	74	18900.0	1880.00	20.66
LTE/FDD2	15.00	16QAM	2.0	36	0	18900.0	1880.00	19.70
LTE/FDD2	15.00	16QAM	2.0	50	18	18900.0	1880.00	19.72

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD2	15.00	16QAM	2.0	50	39	18900.0	1880.00	19.64
LTE/FDD2	15.00	16QAM	2.0	75	0	18900.0	1880.00	19.73
LTE/FDD2	15.00	QPSK	0.0	1	0	19125.0	1902.50	21.46
LTE/FDD2	15.00	QPSK	0.0	1	37	19125.0	1902.50	21.42
LTE/FDD2	15.00	QPSK	0.0	1	74	19125.0	1902.50	21.35
LTE/FDD2	15.00	QPSK	1.0	36	0	19125.0	1902.50	20.55
LTE/FDD2	15.00	QPSK	1.0	50	18	19125.0	1902.50	20.56
LTE/FDD2	15.00	QPSK	1.0	50	39	19125.0	1902.50	20.49
LTE/FDD2	15.00	QPSK	1.0	75	0	19125.0	1902.50	20.54
LTE/FDD2	15.00	16QAM	1.0	1	0	19125.0	1902.50	20.62
LTE/FDD2	15.00	16QAM	1.0	1	37	19125.0	1902.50	20.55
LTE/FDD2	15.00	16QAM	1.0	1	74	19125.0	1902.50	20.35
LTE/FDD2	15.00	16QAM	2.0	36	0	19125.0	1902.50	19.58
LTE/FDD2	15.00	16QAM	2.0	50	18	19125.0	1902.50	19.55
LTE/FDD2	15.00	16QAM	2.0	50	39	19125.0	1902.50	19.50
LTE/FDD2	15.00	16QAM	2.0	75	0	19125.0	1902.50	19.55
LTE/FDD2	10.00	QPSK	0.0	1	0	18650.0	1855.00	21.68
LTE/FDD2	10.00	QPSK	0.0	1	24	18650.0	1855.00	21.73
LTE/FDD2	10.00	QPSK	0.0	1	49	18650.0	1855.00	21.62
LTE/FDD2	10.00	QPSK	1.0	25	0	18650.0	1855.00	20.85
LTE/FDD2	10.00	QPSK	1.0	25	12	18650.0	1855.00	20.79
LTE/FDD2	10.00	QPSK	1.0	25	24	18650.0	1855.00	20.77
LTE/FDD2	10.00	QPSK	1.0	50	0	18650.0	1855.00	20.78
LTE/FDD2	10.00	16QAM	1.0	1	0	18650.0	1855.00	20.84
LTE/FDD2	10.00	16QAM	1.0	1	24	18650.0	1855.00	20.90
LTE/FDD2	10.00	16QAM	1.0	1	49	18650.0	1855.00	20.82
LTE/FDD2	10.00	16QAM	2.0	25	0	18650.0	1855.00	19.87
LTE/FDD2	10.00	16QAM	2.0	25	12	18650.0	1855.00	19.84
LTE/FDD2	10.00	16QAM	2.0	25	24	18650.0	1855.00	19.85
LTE/FDD2	10.00	16QAM	2.0	50	0	18650.0	1855.00	19.82
LTE/FDD2	10.00	QPSK	0.0	1	0	18900.0	1880.00	21.67
LTE/FDD2	10.00	QPSK	0.0	1	24	18900.0	1880.00	21.66
LTE/FDD2	10.00	QPSK	0.0	1	49	18900.0	1880.00	21.55
LTE/FDD2	10.00	QPSK	1.0	25	0	18900.0	1880.00	20.75
LTE/FDD2	10.00	QPSK	1.0	25	12	18900.0	1880.00	20.78

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD2	10.00	QPSK	1.0	25	24	18900.0	1880.00	20.72
LTE/FDD2	10.00	QPSK	1.0	50	0	18900.0	1880.00	20.75
LTE/FDD2	10.00	16QAM	1.0	1	0	18900.0	1880.00	20.88
LTE/FDD2	10.00	16QAM	1.0	1	24	18900.0	1880.00	20.88
LTE/FDD2	10.00	16QAM	1.0	1	49	18900.0	1880.00	20.70
LTE/FDD2	10.00	16QAM	2.0	25	0	18900.0	1880.00	19.81
LTE/FDD2	10.00	16QAM	2.0	25	12	18900.0	1880.00	19.80
LTE/FDD2	10.00	16QAM	2.0	25	24	18900.0	1880.00	19.73
LTE/FDD2	10.00	16QAM	2.0	50	0	18900.0	1880.00	19.78
LTE/FDD2	10.00	QPSK	0.0	1	0	19150.0	1905.00	21.38
LTE/FDD2	10.00	QPSK	0.0	1	24	19150.0	1905.00	21.43
LTE/FDD2	10.00	QPSK	0.0	1	49	19150.0	1905.00	21.32
LTE/FDD2	10.00	QPSK	1.0	25	0	19150.0	1905.00	20.43
LTE/FDD2	10.00	QPSK	1.0	25	12	19150.0	1905.00	20.46
LTE/FDD2	10.00	QPSK	1.0	25	24	19150.0	1905.00	20.44
LTE/FDD2	10.00	QPSK	1.0	50	0	19150.0	1905.00	20.47
LTE/FDD2	10.00	16QAM	1.0	1	0	19150.0	1905.00	20.53
LTE/FDD2	10.00	16QAM	1.0	1	24	19150.0	1905.00	20.55
LTE/FDD2	10.00	16QAM	1.0	1	49	19150.0	1905.00	20.44
LTE/FDD2	10.00	16QAM	2.0	25	0	19150.0	1905.00	19.50
LTE/FDD2	10.00	16QAM	2.0	25	12	19150.0	1905.00	19.47
LTE/FDD2	10.00	16QAM	2.0	25	24	19150.0	1905.00	19.44
LTE/FDD2	10.00	16QAM	2.0	50	0	19150.0	1905.00	19.43
LTE/FDD2	5.00	QPSK	0.0	1	0	18625.0	1852.50	21.91
LTE/FDD2	5.00	QPSK	0.0	1	12	18625.0	1852.50	21.88
LTE/FDD2	5.00	QPSK	0.0	1	24	18625.0	1852.50	21.79
LTE/FDD2	5.00	QPSK	1.0	12	0	18625.0	1852.50	20.82
LTE/FDD2	5.00	QPSK	1.0	12	6	18625.0	1852.50	20.83
LTE/FDD2	5.00	QPSK	1.0	12	11	18625.0	1852.50	20.75
LTE/FDD2	5.00	QPSK	1.0	25	0	18625.0	1852.50	20.78
LTE/FDD2	5.00	16QAM	1.0	1	0	18625.0	1852.50	21.11
LTE/FDD2	5.00	16QAM	1.0	1	12	18625.0	1852.50	21.06
LTE/FDD2	5.00	16QAM	1.0	1	24	18625.0	1852.50	20.93
LTE/FDD2	5.00	16QAM	2.0	12	0	18625.0	1852.50	19.90
LTE/FDD2	5.00	16QAM	2.0	12	6	18625.0	1852.50	19.96

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD2	5.00	16QAM	2.0	12	11	18625.0	1852.50	19.87
LTE/FDD2	5.00	16QAM	2.0	25	0	18625.0	1852.50	19.81
LTE/FDD2	5.00	QPSK	0.0	1	0	18900.0	1880.00	21.66
LTE/FDD2	5.00	QPSK	0.0	1	12	18900.0	1880.00	21.64
LTE/FDD2	5.00	QPSK	0.0	1	24	18900.0	1880.00	21.68
LTE/FDD2	5.00	QPSK	1.0	12	0	18900.0	1880.00	20.69
LTE/FDD2	5.00	QPSK	1.0	12	6	18900.0	1880.00	20.66
LTE/FDD2	5.00	QPSK	1.0	12	11	18900.0	1880.00	20.63
LTE/FDD2	5.00	QPSK	1.0	25	0	18900.0	1880.00	20.68
LTE/FDD2	5.00	16QAM	1.0	1	0	18900.0	1880.00	20.85
LTE/FDD2	5.00	16QAM	1.0	1	12	18900.0	1880.00	20.70
LTE/FDD2	5.00	16QAM	1.0	1	24	18900.0	1880.00	20.79
LTE/FDD2	5.00	16QAM	2.0	12	0	18900.0	1880.00	19.74
LTE/FDD2	5.00	16QAM	2.0	12	6	18900.0	1880.00	19.76
LTE/FDD2	5.00	16QAM	2.0	12	11	18900.0	1880.00	19.72
LTE/FDD2	5.00	16QAM	2.0	25	0	18900.0	1880.00	19.69
LTE/FDD2	5.00	QPSK	0.0	1	0	19175.0	1907.50	21.48
LTE/FDD2	5.00	QPSK	0.0	1	12	19175.0	1907.50	21.37
LTE/FDD2	5.00	QPSK	0.0	1	24	19175.0	1907.50	21.42
LTE/FDD2	5.00	QPSK	1.0	12	0	19175.0	1907.50	20.35
LTE/FDD2	5.00	QPSK	1.0	12	6	19175.0	1907.50	20.25
LTE/FDD2	5.00	QPSK	1.0	12	11	19175.0	1907.50	20.27
LTE/FDD2	5.00	QPSK	1.0	25	0	19175.0	1907.50	20.30
LTE/FDD2	5.00	16QAM	1.0	1	0	19175.0	1907.50	20.61
LTE/FDD2	5.00	16QAM	1.0	1	12	19175.0	1907.50	20.50
LTE/FDD2	5.00	16QAM	1.0	1	24	19175.0	1907.50	20.52
LTE/FDD2	5.00	16QAM	2.0	12	0	19175.0	1907.50	19.35
LTE/FDD2	5.00	16QAM	2.0	12	6	19175.0	1907.50	19.30
LTE/FDD2	5.00	16QAM	2.0	12	11	19175.0	1907.50	19.29
LTE/FDD2	5.00	16QAM	2.0	25	0	19175.0	1907.50	19.31
LTE/FDD2	3.00	QPSK	0.0	1	0	18615.0	1851.50	21.80
LTE/FDD2	3.00	QPSK	0.0	1	7	18615.0	1851.50	21.83
LTE/FDD2	3.00	QPSK	0.0	1	14	18615.0	1851.50	21.64
LTE/FDD2	3.00	QPSK	1.0	8	0	18615.0	1851.50	20.88
LTE/FDD2	3.00	QPSK	1.0	8	4	18615.0	1851.50	20.89

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD2	3.00	QPSK	1.0	8	7	18615.0	1851.50	20.78
LTE/FDD2	3.00	QPSK	1.0	15	0	18615.0	1851.50	20.79
LTE/FDD2	3.00	16QAM	1.0	1	0	18615.0	1851.50	21.02
LTE/FDD2	3.00	16QAM	1.0	1	7	18615.0	1851.50	21.00
LTE/FDD2	3.00	16QAM	1.0	1	14	18615.0	1851.50	20.85
LTE/FDD2	3.00	16QAM	2.0	8	0	18615.0	1851.50	19.93
LTE/FDD2	3.00	16QAM	2.0	8	4	18615.0	1851.50	19.95
LTE/FDD2	3.00	16QAM	2.0	8	7	18615.0	1851.50	19.87
LTE/FDD2	3.00	16QAM	2.0	15	0	18615.0	1851.50	19.84
LTE/FDD2	3.00	QPSK	0.0	1	0	18900.0	1880.00	21.60
LTE/FDD2	3.00	QPSK	0.0	1	7	18900.0	1880.00	21.67
LTE/FDD2	3.00	QPSK	0.0	1	14	18900.0	1880.00	21.57
LTE/FDD2	3.00	QPSK	1.0	8	0	18900.0	1880.00	20.73
LTE/FDD2	3.00	QPSK	1.0	8	4	18900.0	1880.00	20.73
LTE/FDD2	3.00	QPSK	1.0	8	7	18900.0	1880.00	20.73
LTE/FDD2	3.00	QPSK	1.0	15	0	18900.0	1880.00	20.73
LTE/FDD2	3.00	16QAM	1.0	1	0	18900.0	1880.00	20.79
LTE/FDD2	3.00	16QAM	1.0	1	7	18900.0	1880.00	20.80
LTE/FDD2	3.00	16QAM	1.0	1	14	18900.0	1880.00	20.83
LTE/FDD2	3.00	16QAM	2.0	8	0	18900.0	1880.00	19.77
LTE/FDD2	3.00	16QAM	2.0	8	4	18900.0	1880.00	19.79
LTE/FDD2	3.00	16QAM	2.0	8	7	18900.0	1880.00	19.75
LTE/FDD2	3.00	16QAM	2.0	15	0	18900.0	1880.00	19.78
LTE/FDD2	3.00	QPSK	0.0	1	0	19185.0	1908.50	21.38
LTE/FDD2	3.00	QPSK	0.0	1	7	19185.0	1908.50	21.43
LTE/FDD2	3.00	QPSK	0.0	1	14	19185.0	1908.50	21.34
LTE/FDD2	3.00	QPSK	1.0	8	0	19185.0	1908.50	20.43
LTE/FDD2	3.00	QPSK	1.0	8	4	19185.0	1908.50	20.42
LTE/FDD2	3.00	QPSK	1.0	8	7	19185.0	1908.50	20.39
LTE/FDD2	3.00	QPSK	1.0	15	0	19185.0	1908.50	20.41
LTE/FDD2	3.00	16QAM	1.0	1	0	19185.0	1908.50	20.47
LTE/FDD2	3.00	16QAM	1.0	1	7	19185.0	1908.50	20.59
LTE/FDD2	3.00	16QAM	1.0	1	14	19185.0	1908.50	20.43
LTE/FDD2	3.00	16QAM	2.0	8	0	19185.0	1908.50	19.55
LTE/FDD2	3.00	16QAM	2.0	8	4	19185.0	1908.50	19.46

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD2	3.00	16QAM	2.0	8	7	19185.0	1908.50	19.43
LTE/FDD2	3.00	16QAM	2.0	15	0	19185.0	1908.50	19.46
LTE/FDD2	1.40	QPSK	0.0	1	0	18607.0	1850.70	21.87
LTE/FDD2	1.40	QPSK	0.0	1	2	18607.0	1850.70	21.84
LTE/FDD2	1.40	QPSK	0.0	1	5	18607.0	1850.70	21.83
LTE/FDD2	1.40	QPSK	1.0	3	0	18607.0	1850.70	21.82
LTE/FDD2	1.40	QPSK	1.0	3	1	18607.0	1850.70	21.87
LTE/FDD2	1.40	QPSK	1.0	3	2	18607.0	1850.70	21.81
LTE/FDD2	1.40	QPSK	1.0	6	0	18607.0	1850.70	20.90
LTE/FDD2	1.40	16QAM	1.0	1	0	18607.0	1850.70	20.93
LTE/FDD2	1.40	16QAM	1.0	1	2	18607.0	1850.70	20.91
LTE/FDD2	1.40	16QAM	1.0	1	5	18607.0	1850.70	21.01
LTE/FDD2	1.40	16QAM	2.0	3	0	18607.0	1850.70	20.95
LTE/FDD2	1.40	16QAM	2.0	3	1	18607.0	1850.70	20.99
LTE/FDD2	1.40	16QAM	2.0	3	2	18607.0	1850.70	20.94
LTE/FDD2	1.40	16QAM	2.0	6	0	18607.0	1850.70	20.01
LTE/FDD2	1.40	QPSK	0.0	1	0	18900.0	1880.00	21.61
LTE/FDD2	1.40	QPSK	0.0	1	2	18900.0	1880.00	21.66
LTE/FDD2	1.40	QPSK	0.0	1	5	18900.0	1880.00	21.70
LTE/FDD2	1.40	QPSK	1.0	3	0	18900.0	1880.00	21.67
LTE/FDD2	1.40	QPSK	1.0	3	1	18900.0	1880.00	21.65
LTE/FDD2	1.40	QPSK	1.0	3	2	18900.0	1880.00	21.70
LTE/FDD2	1.40	QPSK	1.0	6	0	18900.0	1880.00	20.76
LTE/FDD2	1.40	16QAM	1.0	1	0	18900.0	1880.00	20.86
LTE/FDD2	1.40	16QAM	1.0	1	2	18900.0	1880.00	20.85
LTE/FDD2	1.40	16QAM	1.0	1	5	18900.0	1880.00	20.74
LTE/FDD2	1.40	16QAM	2.0	3	0	18900.0	1880.00	20.66
LTE/FDD2	1.40	16QAM	2.0	3	1	18900.0	1880.00	20.62
LTE/FDD2	1.40	16QAM	2.0	3	2	18900.0	1880.00	20.67
LTE/FDD2	1.40	16QAM	2.0	6	0	18900.0	1880.00	19.76
LTE/FDD2	1.40	QPSK	0.0	1	0	19193.0	1909.30	21.37
LTE/FDD2	1.40	QPSK	0.0	1	2	19193.0	1909.30	21.35
LTE/FDD2	1.40	QPSK	0.0	1	5	19193.0	1909.30	21.29
LTE/FDD2	1.40	QPSK	1.0	3	0	19193.0	1909.30	21.28
LTE/FDD2	1.40	QPSK	1.0	3	1	19193.0	1909.30	21.25

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD2	1.40	QPSK	1.0	3	2	19193.0	1909.30	21.25
LTE/FDD2	1.40	QPSK	1.0	6	0	19193.0	1909.30	20.27
LTE/FDD2	1.40	16QAM	1.0	1	0	19193.0	1909.30	20.47
LTE/FDD2	1.40	16QAM	1.0	1	2	19193.0	1909.30	20.39
LTE/FDD2	1.40	16QAM	1.0	1	5	19193.0	1909.30	20.39
LTE/FDD2	1.40	16QAM	2.0	3	0	19193.0	1909.30	20.41
LTE/FDD2	1.40	16QAM	2.0	3	1	19193.0	1909.30	20.31
LTE/FDD2	1.40	16QAM	2.0	3	2	19193.0	1909.30	20.28
LTE/FDD2	1.40	16QAM	2.0	6	0	19193.0	1909.30	19.30
LTE/FDD4	20.00	QPSK	0.0	1	0	20175.0	1732.50	22.28
LTE/FDD4	20.00	QPSK	0.0	1	49	20175.0	1732.50	22.48
LTE/FDD4	20.00	QPSK	0.0	1	99	20175.0	1732.50	22.40
LTE/FDD4	20.00	QPSK	1.0	50	0	20175.0	1732.50	21.46
LTE/FDD4	20.00	QPSK	1.0	50	24	20175.0	1732.50	21.51
LTE/FDD4	20.00	QPSK	1.0	50	49	20175.0	1732.50	21.49
LTE/FDD4	20.00	QPSK	1.0	100	0	20175.0	1732.50	21.46
LTE/FDD4	20.00	16QAM	1.0	1	0	20175.0	1732.50	21.55
LTE/FDD4	20.00	16QAM	1.0	1	49	20175.0	1732.50	21.68
LTE/FDD4	20.00	16QAM	1.0	1	99	20175.0	1732.50	21.64
LTE/FDD4	20.00	16QAM	2.0	50	0	20175.0	1732.50	20.45
LTE/FDD4	20.00	16QAM	2.0	50	24	20175.0	1732.50	20.53
LTE/FDD4	20.00	16QAM	2.0	50	49	20175.0	1732.50	20.45
LTE/FDD4	20.00	16QAM	2.0	100	0	20175.0	1732.50	20.46
LTE/FDD4	15.00	QPSK	0.0	1	0	20025.0	1717.50	22.03
LTE/FDD4	15.00	QPSK	0.0	1	37	20025.0	1717.50	22.11
LTE/FDD4	15.00	QPSK	0.0	1	74	20025.0	1717.50	22.23
LTE/FDD4	15.00	QPSK	1.0	36	0	20025.0	1717.50	21.07
LTE/FDD4	15.00	QPSK	1.0	50	18	20025.0	1717.50	21.28
LTE/FDD4	15.00	QPSK	1.0	50	39	20025.0	1717.50	21.24
LTE/FDD4	15.00	QPSK	1.0	75	0	20025.0	1717.50	21.25
LTE/FDD4	15.00	16QAM	1.0	1	0	20025.0	1717.50	21.45
LTE/FDD4	15.00	16QAM	1.0	1	37	20025.0	1717.50	21.40
LTE/FDD4	15.00	16QAM	1.0	1	74	20025.0	1717.50	21.32
LTE/FDD4	15.00	16QAM	2.0	36	0	20025.0	1717.50	20.19
LTE/FDD4	15.00	16QAM	2.0	50	18	20025.0	1717.50	20.31

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD4	15.00	16QAM	2.0	50	39	20025.0	1717.50	20.34
LTE/FDD4	15.00	16QAM	2.0	75	0	20025.0	1717.50	20.27
LTE/FDD4	15.00	QPSK	0.0	1	0	19575.0	1732.50	22.29
LTE/FDD4	15.00	QPSK	0.0	1	37	19575.0	1732.50	22.39
LTE/FDD4	15.00	QPSK	0.0	1	74	19575.0	1732.50	22.25
LTE/FDD4	15.00	QPSK	1.0	36	0	19575.0	1732.50	21.34
LTE/FDD4	15.00	QPSK	1.0	50	18	19575.0	1732.50	21.41
LTE/FDD4	15.00	QPSK	1.0	50	39	19575.0	1732.50	21.37
LTE/FDD4	15.00	QPSK	1.0	75	0	20175.0	1732.50	21.35
LTE/FDD4	15.00	16QAM	1.0	1	0	19575.0	1732.50	21.41
LTE/FDD4	15.00	16QAM	1.0	1	37	19575.0	1732.50	21.52
LTE/FDD4	15.00	16QAM	1.0	1	74	19575.0	1732.50	21.44
LTE/FDD4	15.00	16QAM	2.0	36	0	19575.0	1732.50	20.37
LTE/FDD4	15.00	16QAM	2.0	50	18	19575.0	1732.50	20.40
LTE/FDD4	15.00	16QAM	2.0	50	39	19575.0	1732.50	20.36
LTE/FDD4	15.00	16QAM	2.0	75	0	19575.0	1732.50	20.36
LTE/FDD4	15.00	QPSK	0.0	1	0	20325.0	1747.50	22.18
LTE/FDD4	15.00	QPSK	0.0	1	37	20325.0	1747.50	22.12
LTE/FDD4	15.00	QPSK	0.0	1	74	20325.0	1747.50	21.98
LTE/FDD4	15.00	QPSK	1.0	36	0	20325.0	1747.50	21.17
LTE/FDD4	15.00	QPSK	1.0	50	18	20325.0	1747.50	21.24
LTE/FDD4	15.00	QPSK	1.0	50	39	20325.0	1747.50	21.10
LTE/FDD4	15.00	QPSK	1.0	75	0	20325.0	1747.50	21.17
LTE/FDD4	15.00	16QAM	1.0	1	0	20325.0	1747.50	21.41
LTE/FDD4	15.00	16QAM	1.0	1	37	20325.0	1747.50	21.41
LTE/FDD4	15.00	16QAM	1.0	1	74	20325.0	1747.50	21.23
LTE/FDD4	15.00	16QAM	2.0	36	0	20325.0	1747.50	20.28
LTE/FDD4	15.00	16QAM	2.0	50	18	20325.0	1747.50	20.27
LTE/FDD4	15.00	16QAM	2.0	50	39	20325.0	1747.50	20.13
LTE/FDD4	15.00	16QAM	2.0	75	0	20325.0	1747.50	20.24
LTE/FDD4	10.00	QPSK	0.0	1	0	20000.0	1715.00	22.04
LTE/FDD4	10.00	QPSK	0.0	1	24	20000.0	1715.00	22.18
LTE/FDD4	10.00	QPSK	0.0	1	49	20000.0	1715.00	22.15
LTE/FDD4	10.00	QPSK	1.0	25	0	20000.0	1715.00	21.18
LTE/FDD4	10.00	QPSK	1.0	25	12	20000.0	1715.00	21.30

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD4	10.00	QPSK	1.0	25	24	20000.0	1715.00	21.31
LTE/FDD4	10.00	QPSK	1.0	50	0	20000.0	1715.00	21.26
LTE/FDD4	10.00	16QAM	1.0	1	0	20000.0	1715.00	21.26
LTE/FDD4	10.00	16QAM	1.0	1	24	20000.0	1715.00	21.31
LTE/FDD4	10.00	16QAM	1.0	1	49	20000.0	1715.00	21.31
LTE/FDD4	10.00	16QAM	2.0	25	0	20000.0	1715.00	20.19
LTE/FDD4	10.00	16QAM	2.0	25	12	20000.0	1715.00	20.30
LTE/FDD4	10.00	16QAM	2.0	25	24	20000.0	1715.00	20.34
LTE/FDD4	10.00	16QAM	2.0	50	0	20000.0	1715.00	20.28
LTE/FDD4	10.00	QPSK	0.0	1	0	20175.0	1732.50	22.39
LTE/FDD4	10.00	QPSK	0.0	1	24	20175.0	1732.50	22.49
LTE/FDD4	10.00	QPSK	0.0	1	49	20175.0	1732.50	22.39
LTE/FDD4	10.00	QPSK	1.0	25	0	20175.0	1732.50	21.50
LTE/FDD4	10.00	QPSK	1.0	25	12	20175.0	1732.50	21.56
LTE/FDD4	10.00	QPSK	1.0	25	24	20175.0	1732.50	21.50
LTE/FDD4	10.00	QPSK	1.0	50	0	20175.0	1732.50	21.52
LTE/FDD4	10.00	16QAM	1.0	1	0	20175.0	1732.50	21.54
LTE/FDD4	10.00	16QAM	1.0	1	24	20175.0	1732.50	21.71
LTE/FDD4	10.00	16QAM	1.0	1	49	20175.0	1732.50	21.70
LTE/FDD4	10.00	16QAM	2.0	25	0	20175.0	1732.50	20.47
LTE/FDD4	10.00	16QAM	2.0	25	12	20175.0	1732.50	20.51
LTE/FDD4	10.00	16QAM	2.0	25	24	20175.0	1732.50	20.56
LTE/FDD4	10.00	16QAM	2.0	50	0	20175.0	1732.50	20.54
LTE/FDD4	10.00	QPSK	0.0	1	0	20350.0	1750.00	22.20
LTE/FDD4	10.00	QPSK	0.0	1	24	20350.0	1750.00	22.15
LTE/FDD4	10.00	QPSK	0.0	1	49	20350.0	1750.00	22.04
LTE/FDD4	10.00	QPSK	1.0	25	0	20350.0	1750.00	21.24
LTE/FDD4	10.00	QPSK	1.0	25	12	20350.0	1750.00	21.26
LTE/FDD4	10.00	QPSK	1.0	25	24	20350.0	1750.00	21.14
LTE/FDD4	10.00	QPSK	1.0	50	0	20350.0	1750.00	21.20
LTE/FDD4	10.00	16QAM	1.0	1	0	20350.0	1750.00	21.36
LTE/FDD4	10.00	16QAM	1.0	1	24	20350.0	1750.00	21.37
LTE/FDD4	10.00	16QAM	1.0	1	49	20350.0	1750.00	21.19
LTE/FDD4	10.00	16QAM	2.0	25	0	20350.0	1750.00	20.31
LTE/FDD4	10.00	16QAM	2.0	25	12	20350.0	1750.00	20.31

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD4	10.00	16QAM	2.0	25	24	20350.0	1750.00	20.16
LTE/FDD4	10.00	16QAM	2.0	50	0	20350.0	1750.00	20.25
LTE/FDD4	5.00	QPSK	0.0	1	0	19975.0	1712.50	22.21
LTE/FDD4	5.00	QPSK	0.0	1	12	19975.0	1712.50	22.42
LTE/FDD4	5.00	QPSK	0.0	1	24	19975.0	1712.50	22.31
LTE/FDD4	5.00	QPSK	1.0	12	0	19975.0	1712.50	21.14
LTE/FDD4	5.00	QPSK	1.0	12	6	19975.0	1712.50	21.31
LTE/FDD4	5.00	QPSK	1.0	12	11	19975.0	1712.50	21.25
LTE/FDD4	5.00	QPSK	1.0	25	0	19975.0	1712.50	21.24
LTE/FDD4	5.00	16QAM	1.0	1	0	19975.0	1712.50	21.30
LTE/FDD4	5.00	16QAM	1.0	1	12	19975.0	1712.50	21.40
LTE/FDD4	5.00	16QAM	1.0	1	24	19975.0	1712.50	21.35
LTE/FDD4	5.00	16QAM	2.0	12	0	19975.0	1712.50	20.21
LTE/FDD4	5.00	16QAM	2.0	12	6	19975.0	1712.50	20.34
LTE/FDD4	5.00	16QAM	2.0	12	11	19975.0	1712.50	20.32
LTE/FDD4	5.00	16QAM	2.0	25	0	19975.0	1712.50	20.27
LTE/FDD4	5.00	QPSK	0.0	1	0	20175.0	1732.50	22.46
LTE/FDD4	5.00	QPSK	0.0	1	12	20175.0	1732.50	22.62
LTE/FDD4	5.00	QPSK	0.0	1	24	20175.0	1732.50	22.53
LTE/FDD4	5.00	QPSK	1.0	12	0	20175.0	1732.50	21.51
LTE/FDD4	5.00	QPSK	1.0	12	6	20175.0	1732.50	21.53
LTE/FDD4	5.00	QPSK	1.0	12	11	20175.0	1732.50	21.53
LTE/FDD4	5.00	QPSK	1.0	25	0	20175.0	1732.50	21.49
LTE/FDD4	5.00	16QAM	1.0	1	0	20175.0	1732.50	21.59
LTE/FDD4	5.00	16QAM	1.0	1	12	20175.0	1732.50	21.91
LTE/FDD4	5.00	16QAM	1.0	1	24	20175.0	1732.50	21.75
LTE/FDD4	5.00	16QAM	2.0	12	0	20175.0	1732.50	20.62
LTE/FDD4	5.00	16QAM	2.0	12	6	20175.0	1732.50	20.66
LTE/FDD4	5.00	16QAM	2.0	12	11	20175.0	1732.50	20.60
LTE/FDD4	5.00	16QAM	2.0	25	0	20175.0	1732.50	20.49
LTE/FDD4	5.00	QPSK	0.0	1	0	20375.0	1752.50	22.21
LTE/FDD4	5.00	QPSK	0.0	1	12	20375.0	1752.50	22.28
LTE/FDD4	5.00	QPSK	0.0	1	24	20375.0	1752.50	22.16
LTE/FDD4	5.00	QPSK	1.0	12	0	20375.0	1752.50	21.11
LTE/FDD4	5.00	QPSK	1.0	12	6	20375.0	1752.50	21.16

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD4	5.00	QPSK	1.0	12	11	20375.0	1752.50	21.10
LTE/FDD4	5.00	QPSK	1.0	25	0	20375.0	1752.50	21.10
LTE/FDD4	5.00	16QAM	1.0	1	0	20375.0	1752.50	21.28
LTE/FDD4	5.00	16QAM	1.0	1	12	20375.0	1752.50	21.43
LTE/FDD4	5.00	16QAM	1.0	1	24	20375.0	1752.50	21.20
LTE/FDD4	5.00	16QAM	2.0	12	0	20375.0	1752.50	20.12
LTE/FDD4	5.00	16QAM	2.0	12	6	20375.0	1752.50	20.20
LTE/FDD4	5.00	16QAM	2.0	12	11	20375.0	1752.50	20.13
LTE/FDD4	5.00	16QAM	2.0	25	0	20375.0	1752.50	20.14
LTE/FDD4	3.00	QPSK	0.0	1	0	19965.0	1711.50	22.07
LTE/FDD4	3.00	QPSK	0.0	1	7	19965.0	1711.50	22.28
LTE/FDD4	3.00	QPSK	0.0	1	14	19965.0	1711.50	22.11
LTE/FDD4	3.00	QPSK	1.0	8	0	19965.0	1711.50	21.27
LTE/FDD4	3.00	QPSK	1.0	8	4	19965.0	1711.50	21.24
LTE/FDD4	3.00	QPSK	1.0	8	7	19965.0	1711.50	21.27
LTE/FDD4	3.00	QPSK	1.0	15	0	19965.0	1711.50	21.26
LTE/FDD4	3.00	16QAM	1.0	1	0	19965.0	1711.50	21.39
LTE/FDD4	3.00	16QAM	1.0	1	7	19965.0	1711.50	21.39
LTE/FDD4	3.00	16QAM	1.0	1	14	19965.0	1711.50	21.35
LTE/FDD4	3.00	16QAM	2.0	8	0	19965.0	1711.50	20.28
LTE/FDD4	3.00	16QAM	2.0	8	4	19965.0	1711.50	20.33
LTE/FDD4	3.00	16QAM	2.0	8	7	19965.0	1711.50	20.34
LTE/FDD4	3.00	16QAM	2.0	15	0	19965.0	1711.50	20.31
LTE/FDD4	3.00	QPSK	0.0	1	0	19575.0	1747.50	22.43
LTE/FDD4	3.00	QPSK	0.0	1	7	19575.0	1747.50	22.73
LTE/FDD4	3.00	QPSK	0.0	1	14	19575.0	1747.50	22.46
LTE/FDD4	3.00	QPSK	1.0	8	0	19575.0	1747.50	21.55
LTE/FDD4	3.00	QPSK	1.0	8	4	19575.0	1747.50	21.57
LTE/FDD4	3.00	QPSK	1.0	8	7	19575.0	1747.50	21.57
LTE/FDD4	3.00	QPSK	1.0	15	0	19575.0	1747.50	21.58
LTE/FDD4	3.00	16QAM	1.0	1	0	19575.0	1747.50	21.69
LTE/FDD4	3.00	16QAM	1.0	1	7	19575.0	1747.50	21.85
LTE/FDD4	3.00	16QAM	1.0	1	14	19575.0	1747.50	21.73
LTE/FDD4	3.00	16QAM	2.0	8	0	19575.0	1747.50	20.57
LTE/FDD4	3.00	16QAM	2.0	8	4	19575.0	1747.50	20.60

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD4	3.00	16QAM	2.0	8	7	19575.0	1747.50	20.58
LTE/FDD4	3.00	16QAM	2.0	15	0	19575.0	1747.50	20.58
LTE/FDD4	3.00	QPSK	0.0	1	0	20385.0	1753.50	22.02
LTE/FDD4	3.00	QPSK	0.0	1	7	20385.0	1753.50	22.29
LTE/FDD4	3.00	QPSK	0.0	1	14	20385.0	1753.50	21.98
LTE/FDD4	3.00	QPSK	1.0	8	0	20385.0	1753.50	21.16
LTE/FDD4	3.00	QPSK	1.0	8	4	20385.0	1753.50	21.22
LTE/FDD4	3.00	QPSK	1.0	8	7	20385.0	1753.50	21.11
LTE/FDD4	3.00	QPSK	1.0	15	0	20385.0	1753.50	21.21
LTE/FDD4	3.00	16QAM	1.0	1	0	20385.0	1753.50	21.25
LTE/FDD4	3.00	16QAM	1.0	1	7	20385.0	1753.50	21.39
LTE/FDD4	3.00	16QAM	1.0	1	14	20385.0	1753.50	21.34
LTE/FDD4	3.00	16QAM	2.0	8	0	20385.0	1753.50	20.19
LTE/FDD4	3.00	16QAM	2.0	8	4	20385.0	1753.50	20.11
LTE/FDD4	3.00	16QAM	2.0	8	7	20385.0	1753.50	20.09
LTE/FDD4	3.00	16QAM	2.0	15	0	20385.0	1753.50	20.16
LTE/FDD4	1.40	QPSK	0.0	1	0	19957.0	1710.70	22.13
LTE/FDD4	1.40	QPSK	0.0	1	2	19957.0	1710.70	22.15
LTE/FDD4	1.40	QPSK	0.0	1	5	19957.0	1710.70	22.21
LTE/FDD4	1.40	QPSK	1.0	3	0	19957.0	1710.70	22.19
LTE/FDD4	1.40	QPSK	1.0	3	1	19957.0	1710.70	22.16
LTE/FDD4	1.40	QPSK	1.0	3	2	19957.0	1710.70	22.14
LTE/FDD4	1.40	QPSK	1.0	6	0	19957.0	1710.70	21.17
LTE/FDD4	1.40	16QAM	1.0	1	0	19957.0	1710.70	21.38
LTE/FDD4	1.40	16QAM	1.0	1	2	19957.0	1710.70	21.27
LTE/FDD4	1.40	16QAM	1.0	1	5	19957.0	1710.70	21.28
LTE/FDD4	1.40	16QAM	2.0	3	0	19957.0	1710.70	21.18
LTE/FDD4	1.40	16QAM	2.0	3	1	19957.0	1710.70	21.19
LTE/FDD4	1.40	16QAM	2.0	3	2	19957.0	1710.70	21.18
LTE/FDD4	1.40	16QAM	2.0	6	0	19957.0	1710.70	20.16
LTE/FDD4	1.40	QPSK	0.0	1	0	20175.0	1732.50	22.50
LTE/FDD4	1.40	QPSK	0.0	1	2	20175.0	1732.50	22.55
LTE/FDD4	1.40	QPSK	0.0	1	5	20175.0	1732.50	22.57
LTE/FDD4	1.40	QPSK	1.0	3	0	20175.0	1732.50	22.52
LTE/FDD4	1.40	QPSK	1.0	3	1	20175.0	1732.50	22.51

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD4	1.40	QPSK	1.0	3	2	20175.0	1732.50	22.53
LTE/FDD4	1.40	QPSK	1.0	6	0	20175.0	1732.50	21.47
LTE/FDD4	1.40	16QAM	1.0	1	0	20175.0	1732.50	21.63
LTE/FDD4	1.40	16QAM	1.0	1	2	20175.0	1732.50	21.65
LTE/FDD4	1.40	16QAM	1.0	1	5	20175.0	1732.50	21.62
LTE/FDD4	1.40	16QAM	2.0	3	0	20175.0	1732.50	21.61
LTE/FDD4	1.40	16QAM	2.0	3	1	20175.0	1732.50	21.70
LTE/FDD4	1.40	16QAM	2.0	3	2	20175.0	1732.50	21.59
LTE/FDD4	1.40	16QAM	2.0	6	0	20175.0	1732.50	20.62
LTE/FDD4	1.40	QPSK	0.0	1	0	20393.0	1754.30	22.11
LTE/FDD4	1.40	QPSK	0.0	1	2	20393.0	1754.30	22.15
LTE/FDD4	1.40	QPSK	0.0	1	5	20393.0	1754.30	22.10
LTE/FDD4	1.40	QPSK	1.0	3	0	20393.0	1754.30	22.13
LTE/FDD4	1.40	QPSK	1.0	3	1	20393.0	1754.30	22.09
LTE/FDD4	1.40	QPSK	1.0	3	2	20393.0	1754.30	22.11
LTE/FDD4	1.40	QPSK	1.0	6	0	20393.0	1754.30	21.12
LTE/FDD4	1.40	16QAM	1.0	1	0	20393.0	1754.30	21.26
LTE/FDD4	1.40	16QAM	1.0	1	2	20393.0	1754.30	21.16
LTE/FDD4	1.40	16QAM	1.0	1	5	20393.0	1754.30	21.12
LTE/FDD4	1.40	16QAM	2.0	3	0	20393.0	1754.30	21.24
LTE/FDD4	1.40	16QAM	2.0	3	1	20393.0	1754.30	21.09
LTE/FDD4	1.40	16QAM	2.0	3	2	20393.0	1754.30	21.04
LTE/FDD4	1.40	16QAM	2.0	6	0	20393.0	1754.30	20.02
LTE/FDD5	10.00	QPSK	0.0	1	0	20525.0	836.50	21.21
LTE/FDD5	10.00	QPSK	0.0	1	24	20525.0	836.50	21.30
LTE/FDD5	10.00	QPSK	0.0	1	49	20525.0	836.50	21.38
LTE/FDD5	10.00	QPSK	1.0	25	0	20525.0	836.50	20.23
LTE/FDD5	10.00	QPSK	1.0	25	12	20525.0	836.50	20.37
LTE/FDD5	10.00	QPSK	1.0	25	24	20525.0	836.50	20.36
LTE/FDD5	10.00	QPSK	1.0	50	0	20525.0	836.50	20.37
LTE/FDD5	10.00	16QAM	1.0	1	0	20525.0	836.50	20.49
LTE/FDD5	10.00	16QAM	1.0	1	24	20525.0	836.50	20.48
LTE/FDD5	10.00	16QAM	1.0	1	49	20525.0	836.50	20.59
LTE/FDD5	10.00	16QAM	2.0	25	0	20525.0	836.50	19.27
LTE/FDD5	10.00	16QAM	2.0	25	12	20525.0	836.50	19.38

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD5	10.00	16QAM	2.0	25	24	20525.0	836.50	19.38
LTE/FDD5	10.00	16QAM	2.0	50	0	20525.0	836.50	19.36
LTE/FDD5	5.00	QPSK	0.0	1	0	20425.0	826.50	21.48
LTE/FDD5	5.00	QPSK	0.0	1	12	20425.0	826.50	21.47
LTE/FDD5	5.00	QPSK	0.0	1	24	20425.0	826.50	21.41
LTE/FDD5	5.00	QPSK	1.0	12	0	20425.0	826.50	20.38
LTE/FDD5	5.00	QPSK	1.0	12	6	20425.0	826.50	20.46
LTE/FDD5	5.00	QPSK	1.0	12	11	20425.0	826.50	20.43
LTE/FDD5	5.00	QPSK	1.0	25	0	20425.0	826.50	20.46
LTE/FDD5	5.00	16QAM	1.0	1	0	20425.0	826.50	20.55
LTE/FDD5	5.00	16QAM	1.0	1	12	20425.0	826.50	20.60
LTE/FDD5	5.00	16QAM	1.0	1	24	20425.0	826.50	20.50
LTE/FDD5	5.00	16QAM	2.0	12	0	20425.0	826.50	19.35
LTE/FDD5	5.00	16QAM	2.0	12	6	20425.0	826.50	19.44
LTE/FDD5	5.00	16QAM	2.0	12	11	20425.0	826.50	19.30
LTE/FDD5	5.00	16QAM	2.0	25	0	20425.0	826.50	19.35
LTE/FDD5	5.00	QPSK	0.0	1	0	20525.0	836.50	21.30
LTE/FDD5	5.00	QPSK	0.0	1	12	20525.0	836.50	21.38
LTE/FDD5	5.00	QPSK	0.0	1	24	20525.0	836.50	21.43
LTE/FDD5	5.00	QPSK	1.0	12	0	20525.0	836.50	20.27
LTE/FDD5	5.00	QPSK	1.0	12	6	20525.0	836.50	20.38
LTE/FDD5	5.00	QPSK	1.0	12	11	20525.0	836.50	20.37
LTE/FDD5	5.00	QPSK	1.0	25	0	20525.0	836.50	20.37
LTE/FDD5	5.00	16QAM	1.0	1	0	20525.0	836.50	20.51
LTE/FDD5	5.00	16QAM	1.0	1	12	20525.0	836.50	20.52
LTE/FDD5	5.00	16QAM	1.0	1	24	20525.0	836.50	20.47
LTE/FDD5	5.00	16QAM	2.0	12	0	20525.0	836.50	19.27
LTE/FDD5	5.00	16QAM	2.0	12	6	20525.0	836.50	19.38
LTE/FDD5	5.00	16QAM	2.0	12	11	20525.0	836.50	19.36
LTE/FDD5	5.00	16QAM	2.0	25	0	20525.0	836.50	19.37
LTE/FDD5	5.00	QPSK	0.0	1	0	20625.0	846.50	21.60
LTE/FDD5	5.00	QPSK	0.0	1	12	20625.0	846.50	21.66
LTE/FDD5	5.00	QPSK	0.0	1	24	20625.0	846.50	21.63
LTE/FDD5	5.00	QPSK	1.0	12	0	20625.0	846.50	20.59
LTE/FDD5	5.00	QPSK	1.0	12	6	20625.0	846.50	20.60

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD5	5.00	QPSK	1.0	12	11	20625.0	846.50	20.68
LTE/FDD5	5.00	QPSK	1.0	25	0	20625.0	846.50	20.57
LTE/FDD5	5.00	16QAM	1.0	1	0	20625.0	846.50	20.87
LTE/FDD5	5.00	16QAM	1.0	1	12	20625.0	846.50	20.78
LTE/FDD5	5.00	16QAM	1.0	1	24	20625.0	846.50	20.80
LTE/FDD5	5.00	16QAM	2.0	12	0	20625.0	846.50	19.49
LTE/FDD5	5.00	16QAM	2.0	12	6	20625.0	846.50	19.58
LTE/FDD5	5.00	16QAM	2.0	12	11	20625.0	846.50	19.59
LTE/FDD5	5.00	16QAM	2.0	25	0	20625.0	846.50	19.60
LTE/FDD5	3.00	QPSK	0.0	1	0	20415.0	825.50	21.23
LTE/FDD5	3.00	QPSK	0.0	1	7	20415.0	825.50	21.17
LTE/FDD5	3.00	QPSK	0.0	1	14	20415.0	825.50	21.23
LTE/FDD5	3.00	QPSK	1.0	8	0	20415.0	825.50	20.36
LTE/FDD5	3.00	QPSK	1.0	8	4	20415.0	825.50	20.34
LTE/FDD5	3.00	QPSK	1.0	8	7	20415.0	825.50	20.30
LTE/FDD5	3.00	QPSK	1.0	15	0	20415.0	825.50	20.34
LTE/FDD5	3.00	16QAM	1.0	1	0	20415.0	825.50	20.60
LTE/FDD5	3.00	16QAM	1.0	1	7	20415.0	825.50	20.52
LTE/FDD5	3.00	16QAM	1.0	1	14	20415.0	825.50	20.47
LTE/FDD5	3.00	16QAM	2.0	8	0	20415.0	825.50	19.40
LTE/FDD5	3.00	16QAM	2.0	8	4	20415.0	825.50	19.41
LTE/FDD5	3.00	16QAM	2.0	8	7	20415.0	825.50	19.41
LTE/FDD5	3.00	16QAM	2.0	15	0	20415.0	825.50	19.36
LTE/FDD5	3.00	QPSK	0.0	1	0	20525.0	836.50	21.27
LTE/FDD5	3.00	QPSK	0.0	1	7	20525.0	836.50	21.31
LTE/FDD5	3.00	QPSK	0.0	1	14	20525.0	836.50	21.33
LTE/FDD5	3.00	QPSK	1.0	8	0	20525.0	836.50	20.28
LTE/FDD5	3.00	QPSK	1.0	8	4	20525.0	836.50	20.39
LTE/FDD5	3.00	QPSK	1.0	8	7	20525.0	836.50	20.36
LTE/FDD5	3.00	QPSK	1.0	15	0	20525.0	836.50	20.36
LTE/FDD5	3.00	16QAM	1.0	1	0	20525.0	836.50	20.58
LTE/FDD5	3.00	16QAM	1.0	1	7	20525.0	836.50	20.45
LTE/FDD5	3.00	16QAM	1.0	1	14	20525.0	836.50	20.52
LTE/FDD5	3.00	16QAM	2.0	8	0	20525.0	836.50	19.30
LTE/FDD5	3.00	16QAM	2.0	8	4	20525.0	836.50	19.34

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD5	3.00	16QAM	2.0	8	7	20525.0	836.50	19.36
LTE/FDD5	3.00	16QAM	2.0	15	0	20525.0	836.50	19.39
LTE/FDD5	3.00	QPSK	0.0	1	0	20635.0	847.40	21.65
LTE/FDD5	3.00	QPSK	0.0	1	7	20635.0	847.40	21.70
LTE/FDD5	3.00	QPSK	0.0	1	14	20635.0	847.40	21.63
LTE/FDD5	3.00	QPSK	1.0	8	0	20635.0	847.40	20.61
LTE/FDD5	3.00	QPSK	1.0	8	4	20635.0	847.40	20.70
LTE/FDD5	3.00	QPSK	1.0	8	7	20635.0	847.40	20.69
LTE/FDD5	3.00	QPSK	1.0	15	0	20635.0	847.40	20.61
LTE/FDD5	3.00	16QAM	1.0	1	0	20635.0	847.40	20.81
LTE/FDD5	3.00	16QAM	1.0	1	7	20635.0	847.40	20.86
LTE/FDD5	3.00	16QAM	1.0	1	14	20635.0	847.40	20.80
LTE/FDD5	3.00	16QAM	2.0	8	0	20635.0	847.40	19.65
LTE/FDD5	3.00	16QAM	2.0	8	4	20635.0	847.40	19.71
LTE/FDD5	3.00	16QAM	2.0	8	7	20635.0	847.40	19.65
LTE/FDD5	3.00	16QAM	2.0	15	0	20635.0	847.40	19.59
LTE/FDD5	1.40	QPSK	0.0	1	0	20407.0	824.70	21.24
LTE/FDD5	1.40	QPSK	0.0	1	2	20407.0	824.70	21.32
LTE/FDD5	1.40	QPSK	0.0	1	5	20407.0	824.70	21.28
LTE/FDD5	1.40	QPSK	1.0	3	0	20407.0	824.70	21.28
LTE/FDD5	1.40	QPSK	1.0	3	1	20407.0	824.70	21.28
LTE/FDD5	1.40	QPSK	1.0	3	2	20407.0	824.70	21.26
LTE/FDD5	1.40	QPSK	1.0	6	0	20407.0	824.70	20.31
LTE/FDD5	1.40	16QAM	1.0	1	0	20407.0	824.70	20.42
LTE/FDD5	1.40	16QAM	1.0	1	2	20407.0	824.70	20.41
LTE/FDD5	1.40	16QAM	1.0	1	5	20407.0	824.70	20.45
LTE/FDD5	1.40	16QAM	2.0	3	0	20407.0	824.70	20.39
LTE/FDD5	1.40	16QAM	2.0	3	1	20407.0	824.70	20.35
LTE/FDD5	1.40	16QAM	2.0	3	2	20407.0	824.70	20.35
LTE/FDD5	1.40	16QAM	2.0	6	0	20407.0	824.70	19.23
LTE/FDD5	1.40	QPSK	0.0	1	0	20525.0	836.50	21.28
LTE/FDD5	1.40	QPSK	0.0	1	2	20525.0	836.50	21.32
LTE/FDD5	1.40	QPSK	0.0	1	5	20525.0	836.50	21.37
LTE/FDD5	1.40	QPSK	1.0	3	0	20525.0	836.50	21.30
LTE/FDD5	1.40	QPSK	1.0	3	1	20525.0	836.50	21.25

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD5	1.40	QPSK	1.0	3	2	20525.0	836.50	21.26
LTE/FDD5	1.40	QPSK	1.0	6	0	20525.0	836.50	20.26
LTE/FDD5	1.40	16QAM	1.0	1	0	20525.0	836.50	20.46
LTE/FDD5	1.40	16QAM	1.0	1	2	20525.0	836.50	20.43
LTE/FDD5	1.40	16QAM	1.0	1	5	20525.0	836.50	20.28
LTE/FDD5	1.40	16QAM	2.0	3	0	20525.0	836.50	20.31
LTE/FDD5	1.40	16QAM	2.0	3	1	20525.0	836.50	20.30
LTE/FDD5	1.40	16QAM	2.0	3	2	20525.0	836.50	20.35
LTE/FDD5	1.40	16QAM	2.0	6	0	20525.0	836.50	19.26
LTE/FDD5	1.40	QPSK	0.0	1	0	20643.0	848.20	21.63
LTE/FDD5	1.40	QPSK	0.0	1	2	20643.0	848.20	21.65
LTE/FDD5	1.40	QPSK	0.0	1	5	20643.0	848.20	21.60
LTE/FDD5	1.40	QPSK	1.0	3	0	20643.0	848.20	21.52
LTE/FDD5	1.40	QPSK	1.0	3	1	20643.0	848.20	21.60
LTE/FDD5	1.40	QPSK	1.0	3	2	20643.0	848.20	21.62
LTE/FDD5	1.40	QPSK	1.0	6	0	20643.0	848.20	20.50
LTE/FDD5	1.40	16QAM	1.0	1	0	20643.0	848.20	20.71
LTE/FDD5	1.40	16QAM	1.0	1	2	20643.0	848.20	20.73
LTE/FDD5	1.40	16QAM	1.0	1	5	20643.0	848.20	20.71
LTE/FDD5	1.40	16QAM	2.0	3	0	20643.0	848.20	20.64
LTE/FDD5	1.40	16QAM	2.0	3	1	20643.0	848.20	20.67
LTE/FDD5	1.40	16QAM	2.0	3	2	20643.0	848.20	20.66
LTE/FDD5	1.40	16QAM	2.0	6	0	20643.0	848.20	19.53
LTE/FDD7	20.00	QPSK	0.0	1	0	20850.0	2510.00	21.39
LTE/FDD7	20.00	QPSK	0.0	1	49	20850.0	2510.00	21.51
LTE/FDD7	20.00	QPSK	0.0	1	99	20850.0	2510.00	21.49
LTE/FDD7	20.00	QPSK	1.0	50	0	20850.0	2510.00	20.37
LTE/FDD7	20.00	QPSK	1.0	50	24	20850.0	2510.00	20.51
LTE/FDD7	20.00	QPSK	1.0	50	49	20850.0	2510.00	20.52
LTE/FDD7	20.00	QPSK	1.0	100	0	20850.0	2510.00	20.55
LTE/FDD7	20.00	16QAM	1.0	1	0	20850.0	2510.00	20.60
LTE/FDD7	20.00	16QAM	1.0	1	49	20850.0	2510.00	20.68
LTE/FDD7	20.00	16QAM	1.0	1	99	20850.0	2510.00	20.82
LTE/FDD7	20.00	16QAM	2.0	50	0	20850.0	2510.00	19.49
LTE/FDD7	20.00	16QAM	2.0	50	24	20850.0	2510.00	19.58

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD7	20.00	16QAM	2.0	50	49	20850.0	2510.00	19.61
LTE/FDD7	20.00	16QAM	2.0	100	0	20850.0	2510.00	19.63
LTE/FDD7	20.00	QPSK	0.0	1	0	21100.0	2535.00	21.41
LTE/FDD7	20.00	QPSK	0.0	1	49	21100.0	2535.00	21.57
LTE/FDD7	20.00	QPSK	0.0	1	99	21100.0	2535.00	21.60
LTE/FDD7	20.00	QPSK	1.0	50	0	21100.0	2535.00	20.55
LTE/FDD7	20.00	QPSK	1.0	50	24	21100.0	2535.00	20.61
LTE/FDD7	20.00	QPSK	1.0	50	49	21100.0	2535.00	20.62
LTE/FDD7	20.00	QPSK	1.0	100	0	21100.0	2535.00	20.61
LTE/FDD7	20.00	16QAM	1.0	1	0	21100.0	2535.00	20.99
LTE/FDD7	20.00	16QAM	1.0	1	49	21100.0	2535.00	20.85
LTE/FDD7	20.00	16QAM	1.0	1	99	21100.0	2535.00	20.80
LTE/FDD7	20.00	16QAM	2.0	50	0	21100.0	2535.00	19.57
LTE/FDD7	20.00	16QAM	2.0	50	24	21100.0	2535.00	19.63
LTE/FDD7	20.00	16QAM	2.0	50	49	21100.0	2535.00	19.51
LTE/FDD7	20.00	16QAM	2.0	100	0	21100.0	2535.00	19.49
LTE/FDD7	20.00	QPSK	0.0	1	0	21350.0	2560.00	21.58
LTE/FDD7	20.00	QPSK	0.0	1	49	21350.0	2560.00	21.45
LTE/FDD7	20.00	QPSK	0.0	1	99	21350.0	2560.00	21.49
LTE/FDD7	20.00	QPSK	1.0	50	0	21350.0	2560.00	20.54
LTE/FDD7	20.00	QPSK	1.0	50	24	21350.0	2560.00	20.57
LTE/FDD7	20.00	QPSK	1.0	50	49	21350.0	2560.00	20.46
LTE/FDD7	20.00	QPSK	1.0	100	0	21350.0	2560.00	20.55
LTE/FDD7	20.00	16QAM	1.0	1	0	21350.0	2560.00	20.64
LTE/FDD7	20.00	16QAM	1.0	1	49	21350.0	2560.00	20.68
LTE/FDD7	20.00	16QAM	1.0	1	99	21350.0	2560.00	20.71
LTE/FDD7	20.00	16QAM	2.0	50	0	21350.0	2560.00	19.60
LTE/FDD7	20.00	16QAM	2.0	50	24	21350.0	2560.00	19.49
LTE/FDD7	20.00	16QAM	2.0	50	49	21350.0	2560.00	19.40
LTE/FDD7	20.00	16QAM	2.0	100	0	21350.0	2560.00	19.46
LTE/FDD7	15.00	QPSK	0.0	1	0	20825.0	2507.50	21.28
LTE/FDD7	15.00	QPSK	0.0	1	37	20825.0	2507.50	21.14
LTE/FDD7	15.00	QPSK	0.0	1	74	20825.0	2507.50	21.17
LTE/FDD7	15.00	QPSK	1.0	36	0	20825.0	2507.50	20.30
LTE/FDD7	15.00	QPSK	1.0	50	18	20825.0	2507.50	20.29

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD7	15.00	QPSK	1.0	50	39	20825.0	2507.50	20.28
LTE/FDD7	15.00	QPSK	1.0	75	0	20825.0	2507.50	20.29
LTE/FDD7	15.00	16QAM	1.0	1	0	20825.0	2507.50	20.48
LTE/FDD7	15.00	16QAM	1.0	1	37	20825.0	2507.50	20.51
LTE/FDD7	15.00	16QAM	1.0	1	74	20825.0	2507.50	20.47
LTE/FDD7	15.00	16QAM	2.0	36	0	20825.0	2507.50	19.33
LTE/FDD7	15.00	16QAM	2.0	50	18	20825.0	2507.50	19.39
LTE/FDD7	15.00	16QAM	2.0	50	39	20825.0	2507.50	19.38
LTE/FDD7	15.00	16QAM	2.0	75	0	20825.0	2507.50	19.35
LTE/FDD7	15.00	QPSK	0.0	1	0	21100.0	2535.00	21.20
LTE/FDD7	15.00	QPSK	0.0	1	37	21100.0	2535.00	21.15
LTE/FDD7	15.00	QPSK	0.0	1	74	21100.0	2535.00	21.20
LTE/FDD7	15.00	QPSK	1.0	36	0	21100.0	2535.00	20.26
LTE/FDD7	15.00	QPSK	1.0	50	18	21100.0	2535.00	20.29
LTE/FDD7	15.00	QPSK	1.0	50	39	21100.0	2535.00	20.34
LTE/FDD7	15.00	QPSK	1.0	75	0	21100.0	2535.00	20.34
LTE/FDD7	15.00	16QAM	1.0	1	0	21100.0	2535.00	20.44
LTE/FDD7	15.00	16QAM	1.0	1	37	21100.0	2535.00	20.59
LTE/FDD7	15.00	16QAM	1.0	1	74	21100.0	2535.00	20.40
LTE/FDD7	15.00	16QAM	2.0	36	0	21100.0	2535.00	19.27
LTE/FDD7	15.00	16QAM	2.0	50	18	21100.0	2535.00	19.29
LTE/FDD7	15.00	16QAM	2.0	50	39	21100.0	2535.00	19.33
LTE/FDD7	15.00	16QAM	2.0	75	0	21100.0	2535.00	19.34
LTE/FDD7	10.00	QPSK	0.0	1	0	20800.0	2505.00	21.02
LTE/FDD7	10.00	QPSK	0.0	1	24	20800.0	2505.00	21.12
LTE/FDD7	10.00	QPSK	0.0	1	49	20800.0	2505.00	21.08
LTE/FDD7	10.00	QPSK	1.0	25	0	20800.0	2505.00	20.21
LTE/FDD7	10.00	QPSK	1.0	25	12	20800.0	2505.00	20.23
LTE/FDD7	10.00	QPSK	1.0	25	24	20800.0	2505.00	20.23
LTE/FDD7	10.00	QPSK	1.0	50	0	20800.0	2505.00	20.23
LTE/FDD7	10.00	16QAM	1.0	1	0	20800.0	2505.00	20.33
LTE/FDD7	10.00	16QAM	1.0	1	24	20800.0	2505.00	20.32
LTE/FDD7	10.00	16QAM	1.0	1	49	20800.0	2505.00	20.37
LTE/FDD7	10.00	16QAM	2.0	25	0	20800.0	2505.00	19.26
LTE/FDD7	10.00	16QAM	2.0	25	12	20800.0	2505.00	19.32

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD7	10.00	16QAM	2.0	25	24	20800.0	2505.00	19.33
LTE/FDD7	10.00	16QAM	2.0	50	0	20800.0	2505.00	19.30
LTE/FDD7	10.00	QPSK	0.0	1	0	21100.0	2535.00	21.30
LTE/FDD7	10.00	QPSK	0.0	1	24	21100.0	2535.00	21.37
LTE/FDD7	10.00	QPSK	0.0	1	49	21100.0	2535.00	21.30
LTE/FDD7	10.00	QPSK	1.0	25	0	21100.0	2535.00	20.36
LTE/FDD7	10.00	QPSK	1.0	25	12	21100.0	2535.00	20.47
LTE/FDD7	10.00	QPSK	1.0	25	24	21100.0	2535.00	20.38
LTE/FDD7	10.00	QPSK	1.0	50	0	21100.0	2535.00	20.35
LTE/FDD7	10.00	16QAM	1.0	1	0	21100.0	2535.00	20.46
LTE/FDD7	10.00	16QAM	1.0	1	24	21100.0	2535.00	20.56
LTE/FDD7	10.00	16QAM	1.0	1	49	21100.0	2535.00	20.68
LTE/FDD7	10.00	16QAM	2.0	25	0	21100.0	2535.00	19.42
LTE/FDD7	10.00	16QAM	2.0	25	12	21100.0	2535.00	19.48
LTE/FDD7	10.00	16QAM	2.0	25	24	21100.0	2535.00	19.40
LTE/FDD7	10.00	16QAM	2.0	50	0	21100.0	2535.00	19.36
LTE/FDD7	10.00	QPSK	0.0	1	0	21400.0	2565.00	21.09
LTE/FDD7	10.00	QPSK	0.0	1	24	21400.0	2565.00	21.31
LTE/FDD7	10.00	QPSK	0.0	1	49	21400.0	2565.00	21.11
LTE/FDD7	10.00	QPSK	1.0	25	0	21400.0	2565.00	20.16
LTE/FDD7	10.00	QPSK	1.0	25	12	21400.0	2565.00	20.22
LTE/FDD7	10.00	QPSK	1.0	25	24	21400.0	2565.00	20.17
LTE/FDD7	10.00	QPSK	1.0	50	0	21400.0	2565.00	20.13
LTE/FDD7	10.00	16QAM	1.0	1	0	21400.0	2565.00	20.21
LTE/FDD7	10.00	16QAM	1.0	1	24	21400.0	2565.00	20.32
LTE/FDD7	10.00	16QAM	1.0	1	49	21400.0	2565.00	20.37
LTE/FDD7	10.00	16QAM	2.0	25	0	21400.0	2565.00	19.16
LTE/FDD7	10.00	16QAM	2.0	25	12	21400.0	2565.00	19.20
LTE/FDD7	10.00	16QAM	2.0	25	24	21400.0	2565.00	19.19
LTE/FDD7	10.00	16QAM	2.0	50	0	21400.0	2565.00	19.21
LTE/FDD7	5.00	QPSK	0.0	1	0	20775.0	2502.50	21.21
LTE/FDD7	5.00	QPSK	0.0	1	12	20775.0	2502.50	21.30
LTE/FDD7	5.00	QPSK	0.0	1	24	20775.0	2502.50	21.25
LTE/FDD7	5.00	QPSK	1.0	12	0	20775.0	2502.50	20.14
LTE/FDD7	5.00	QPSK	1.0	12	6	20775.0	2502.50	20.22

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD7	5.00	QPSK	1.0	12	11	20775.0	2502.50	20.20
LTE/FDD7	5.00	QPSK	1.0	25	0	20775.0	2502.50	20.16
LTE/FDD7	5.00	16QAM	1.0	1	0	20775.0	2502.50	20.24
LTE/FDD7	5.00	16QAM	1.0	1	12	20775.0	2502.50	20.31
LTE/FDD7	5.00	16QAM	1.0	1	24	20775.0	2502.50	20.40
LTE/FDD7	5.00	16QAM	2.0	12	0	20775.0	2502.50	19.22
LTE/FDD7	5.00	16QAM	2.0	12	6	20775.0	2502.50	19.32
LTE/FDD7	5.00	16QAM	2.0	12	11	20775.0	2502.50	19.28
LTE/FDD7	5.00	16QAM	2.0	25	0	20775.0	2502.50	19.14
LTE/FDD7	5.00	QPSK	0.0	1	0	21100.0	2535.00	21.18
LTE/FDD7	5.00	QPSK	0.0	1	12	21100.0	2535.00	21.31
LTE/FDD7	5.00	QPSK	0.0	1	24	21100.0	2535.00	21.28
LTE/FDD7	5.00	QPSK	1.0	12	0	21100.0	2535.00	20.29
LTE/FDD7	5.00	QPSK	1.0	12	6	21100.0	2535.00	20.34
LTE/FDD7	5.00	QPSK	1.0	12	11	21100.0	2535.00	20.31
LTE/FDD7	5.00	QPSK	1.0	25	0	21100.0	2535.00	20.28
LTE/FDD7	5.00	16QAM	1.0	1	0	21100.0	2535.00	20.38
LTE/FDD7	5.00	16QAM	1.0	1	12	21100.0	2535.00	20.56
LTE/FDD7	5.00	16QAM	1.0	1	24	21100.0	2535.00	20.44
LTE/FDD7	5.00	16QAM	2.0	12	0	21100.0	2535.00	19.20
LTE/FDD7	5.00	16QAM	2.0	12	6	21100.0	2535.00	19.28
LTE/FDD7	5.00	16QAM	2.0	12	11	21100.0	2535.00	19.27
LTE/FDD7	5.00	16QAM	2.0	25	0	21100.0	2535.00	19.29
LTE/FDD7	5.00	QPSK	0.0	1	0	21425.0	2567.50	21.07
LTE/FDD7	5.00	QPSK	0.0	1	12	21425.0	2567.50	21.23
LTE/FDD7	5.00	QPSK	0.0	1	24	21425.0	2567.50	21.21
LTE/FDD7	5.00	QPSK	1.0	12	0	21425.0	2567.50	20.02
LTE/FDD7	5.00	QPSK	1.0	12	6	21425.0	2567.50	20.09
LTE/FDD7	5.00	QPSK	1.0	12	11	21425.0	2567.50	20.11
LTE/FDD7	5.00	QPSK	1.0	25	0	21425.0	2567.50	20.05
LTE/FDD7	5.00	16QAM	1.0	1	0	21425.0	2567.50	20.28
LTE/FDD7	5.00	16QAM	1.0	1	12	21425.0	2567.50	20.34
LTE/FDD7	5.00	16QAM	1.0	1	24	21425.0	2567.50	20.46
LTE/FDD7	5.00	16QAM	2.0	12	0	21425.0	2567.50	19.09
LTE/FDD7	5.00	16QAM	2.0	12	6	21425.0	2567.50	19.09

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD7	5.00	16QAM	2.0	12	11	21425.0	2567.50	19.09
LTE/FDD7	5.00	16QAM	2.0	25	0	21425.0	2567.50	19.11
LTE/FDD12	10.00	QPSK	0.0	1	0	23095.0	707.50	22.17
LTE/FDD12	10.00	QPSK	0.0	1	24	23095.0	707.50	22.01
LTE/FDD12	10.00	QPSK	0.0	1	49	23095.0	707.50	21.95
LTE/FDD12	10.00	QPSK	1.0	25	0	23095.0	707.50	21.18
LTE/FDD12	10.00	QPSK	1.0	25	12	23095.0	707.50	21.16
LTE/FDD12	10.00	QPSK	1.0	25	24	23095.0	707.50	21.08
LTE/FDD12	10.00	QPSK	1.0	50	0	23095.0	707.50	21.17
LTE/FDD12	10.00	16QAM	1.0	1	0	23095.0	707.50	21.44
LTE/FDD12	10.00	16QAM	1.0	1	24	23095.0	707.50	21.31
LTE/FDD12	10.00	16QAM	1.0	1	49	23095.0	707.50	21.13
LTE/FDD12	10.00	16QAM	2.0	25	0	23095.0	707.50	20.18
LTE/FDD12	10.00	16QAM	2.0	25	12	23095.0	707.50	20.14
LTE/FDD12	10.00	16QAM	2.0	25	24	23095.0	707.50	20.07
LTE/FDD12	10.00	16QAM	2.0	50	0	23095.0	707.50	20.13
LTE/FDD12	5.00	QPSK	0.0	1	0	23035.0	701.50	22.42
LTE/FDD12	5.00	QPSK	0.0	1	12	23035.0	701.50	22.47
LTE/FDD12	5.00	QPSK	0.0	1	24	23035.0	701.50	22.29
LTE/FDD12	5.00	QPSK	1.0	12	0	23035.0	701.50	21.42
LTE/FDD12	5.00	QPSK	1.0	12	6	23035.0	701.50	21.38
LTE/FDD12	5.00	QPSK	1.0	12	11	23035.0	701.50	21.25
LTE/FDD12	5.00	QPSK	1.0	25	0	23035.0	701.50	21.35
LTE/FDD12	5.00	16QAM	1.0	1	0	23035.0	701.50	21.58
LTE/FDD12	5.00	16QAM	1.0	1	12	23035.0	701.50	21.55
LTE/FDD12	5.00	16QAM	1.0	1	24	23035.0	701.50	21.38
LTE/FDD12	5.00	16QAM	2.0	12	0	23035.0	701.50	20.42
LTE/FDD12	5.00	16QAM	2.0	12	6	23035.0	701.50	20.40
LTE/FDD12	5.00	16QAM	2.0	12	11	23035.0	701.50	20.30
LTE/FDD12	5.00	16QAM	2.0	25	0	23035.0	701.50	20.38
LTE/FDD12	5.00	QPSK	0.0	1	0	23095.0	707.50	22.12
LTE/FDD12	5.00	QPSK	0.0	1	12	23095.0	707.50	22.21
LTE/FDD12	5.00	QPSK	0.0	1	24	23095.0	707.50	21.96
LTE/FDD12	5.00	QPSK	1.0	12	0	23095.0	707.50	21.12
LTE/FDD12	5.00	QPSK	1.0	12	6	23095.0	707.50	21.11

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD12	5.00	QPSK	1.0	12	11	23095.0	707.50	21.00
LTE/FDD12	5.00	QPSK	1.0	25	0	23095.0	707.50	21.07
LTE/FDD12	5.00	16QAM	1.0	1	0	23095.0	707.50	21.31
LTE/FDD12	5.00	16QAM	1.0	1	12	23095.0	707.50	21.39
LTE/FDD12	5.00	16QAM	1.0	1	24	23095.0	707.50	21.18
LTE/FDD12	5.00	16QAM	2.0	12	0	23095.0	707.50	20.14
LTE/FDD12	5.00	16QAM	2.0	12	6	23095.0	707.50	20.13
LTE/FDD12	5.00	16QAM	2.0	12	11	23095.0	707.50	20.03
LTE/FDD12	5.00	16QAM	2.0	25	0	23095.0	707.50	20.09
LTE/FDD12	5.00	QPSK	0.0	1	0	23155.0	713.50	21.92
LTE/FDD12	5.00	QPSK	0.0	1	12	23155.0	713.50	22.11
LTE/FDD12	5.00	QPSK	0.0	1	24	23155.0	713.50	21.92
LTE/FDD12	5.00	QPSK	1.0	12	0	23155.0	713.50	20.93
LTE/FDD12	5.00	QPSK	1.0	12	6	23155.0	713.50	20.94
LTE/FDD12	5.00	QPSK	1.0	12	11	23155.0	713.50	20.82
LTE/FDD12	5.00	QPSK	1.0	25	0	23155.0	713.50	20.90
LTE/FDD12	5.00	16QAM	1.0	1	0	23155.0	713.50	21.16
LTE/FDD12	5.00	16QAM	1.0	1	12	23155.0	713.50	21.15
LTE/FDD12	5.00	16QAM	1.0	1	24	23155.0	713.50	21.05
LTE/FDD12	5.00	16QAM	2.0	12	0	23155.0	713.50	20.05
LTE/FDD12	5.00	16QAM	2.0	12	6	23155.0	713.50	19.95
LTE/FDD12	5.00	16QAM	2.0	12	11	23155.0	713.50	19.84
LTE/FDD12	5.00	16QAM	2.0	25	0	23155.0	713.50	19.91
LTE/FDD12	3.00	QPSK	0.0	1	0	23025.0	700.50	22.35
LTE/FDD12	3.00	QPSK	0.0	1	7	23025.0	700.50	22.48
LTE/FDD12	3.00	QPSK	0.0	1	14	23025.0	700.50	22.24
LTE/FDD12	3.00	QPSK	1.0	8	0	23025.0	700.50	21.43
LTE/FDD12	3.00	QPSK	1.0	8	4	23025.0	700.50	21.40
LTE/FDD12	3.00	QPSK	1.0	8	7	23025.0	700.50	21.31
LTE/FDD12	3.00	QPSK	1.0	15	0	23025.0	700.50	21.41
LTE/FDD12	3.00	16QAM	1.0	1	0	23025.0	700.50	21.46
LTE/FDD12	3.00	16QAM	1.0	1	7	23025.0	700.50	21.58
LTE/FDD12	3.00	16QAM	1.0	1	14	23025.0	700.50	21.58
LTE/FDD12	3.00	16QAM	2.0	8	0	23025.0	700.50	20.51
LTE/FDD12	3.00	16QAM	2.0	8	4	23025.0	700.50	20.46

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD12	3.00	16QAM	2.0	8	7	23025.0	700.50	20.34
LTE/FDD12	3.00	16QAM	2.0	15	0	23025.0	700.50	20.45
LTE/FDD12	3.00	QPSK	0.0	1	0	23095.0	707.50	22.12
LTE/FDD12	3.00	QPSK	0.0	1	7	23095.0	707.50	22.24
LTE/FDD12	3.00	QPSK	0.0	1	14	23095.0	707.50	22.03
LTE/FDD12	3.00	QPSK	1.0	8	0	23095.0	707.50	21.04
LTE/FDD12	3.00	QPSK	1.0	8	4	23095.0	707.50	21.10
LTE/FDD12	3.00	QPSK	1.0	8	7	23095.0	707.50	20.95
LTE/FDD12	3.00	QPSK	1.0	15	0	23095.0	707.50	21.03
LTE/FDD12	3.00	16QAM	1.0	1	0	23095.0	707.50	21.16
LTE/FDD12	3.00	16QAM	1.0	1	7	23095.0	707.50	21.29
LTE/FDD12	3.00	16QAM	1.0	1	14	23095.0	707.50	21.19
LTE/FDD12	3.00	16QAM	2.0	8	0	23095.0	707.50	20.17
LTE/FDD12	3.00	16QAM	2.0	8	4	23095.0	707.50	20.10
LTE/FDD12	3.00	16QAM	2.0	8	7	23095.0	707.50	20.02
LTE/FDD12	3.00	16QAM	2.0	15	0	23095.0	707.50	20.10
LTE/FDD12	3.00	QPSK	0.0	1	0	23165.0	714.50	21.85
LTE/FDD12	3.00	QPSK	0.0	1	7	23165.0	714.50	21.97
LTE/FDD12	3.00	QPSK	0.0	1	14	23165.0	714.50	21.82
LTE/FDD12	3.00	QPSK	1.0	8	0	23165.0	714.50	20.87
LTE/FDD12	3.00	QPSK	1.0	8	4	23165.0	714.50	20.86
LTE/FDD12	3.00	QPSK	1.0	8	7	23165.0	714.50	20.84
LTE/FDD12	3.00	QPSK	1.0	15	0	23165.0	714.50	20.86
LTE/FDD12	3.00	16QAM	1.0	1	0	23165.0	714.50	20.93
LTE/FDD12	3.00	16QAM	1.0	1	7	23165.0	714.50	21.09
LTE/FDD12	3.00	16QAM	1.0	1	14	23165.0	714.50	20.96
LTE/FDD12	3.00	16QAM	2.0	8	0	23165.0	714.50	19.91
LTE/FDD12	3.00	16QAM	2.0	8	4	23165.0	714.50	19.90
LTE/FDD12	3.00	16QAM	2.0	8	7	23165.0	714.50	19.85
LTE/FDD12	3.00	16QAM	2.0	15	0	23165.0	714.50	19.90
LTE/FDD12	1.40	QPSK	0.0	1	0	23017.0	699.70	22.42
LTE/FDD12	1.40	QPSK	0.0	1	2	23017.0	699.70	22.40
LTE/FDD12	1.40	QPSK	0.0	1	5	23017.0	699.70	22.36
LTE/FDD12	1.40	QPSK	1.0	3	0	23017.0	699.70	22.42
LTE/FDD12	1.40	QPSK	1.0	3	1	23017.0	699.70	22.38

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD12	1.40	QPSK	1.0	3	2	23017.0	699.70	22.36
LTE/FDD12	1.40	QPSK	1.0	6	0	23017.0	699.70	21.40
LTE/FDD12	1.40	16QAM	1.0	1	0	23017.0	699.70	21.52
LTE/FDD12	1.40	16QAM	1.0	1	2	23017.0	699.70	21.66
LTE/FDD12	1.40	16QAM	1.0	1	5	23017.0	699.70	21.52
LTE/FDD12	1.40	16QAM	2.0	3	0	23017.0	699.70	21.44
LTE/FDD12	1.40	16QAM	2.0	3	1	23017.0	699.70	21.44
LTE/FDD12	1.40	16QAM	2.0	3	2	23017.0	699.70	21.44
LTE/FDD12	1.40	16QAM	2.0	6	0	23017.0	699.70	20.49
LTE/FDD12	1.40	QPSK	0.0	1	0	23095.0	707.50	22.08
LTE/FDD12	1.40	QPSK	0.0	1	2	23095.0	707.50	22.06
LTE/FDD12	1.40	QPSK	0.0	1	5	23095.0	707.50	22.00
LTE/FDD12	1.40	QPSK	1.0	3	0	23095.0	707.50	22.04
LTE/FDD12	1.40	QPSK	1.0	3	1	23095.0	707.50	22.09
LTE/FDD12	1.40	QPSK	1.0	3	2	23095.0	707.50	22.01
LTE/FDD12	1.40	QPSK	1.0	6	0	23095.0	707.50	21.07
LTE/FDD12	1.40	16QAM	1.0	1	0	23095.0	707.50	21.13
LTE/FDD12	1.40	16QAM	1.0	1	2	23095.0	707.50	21.16
LTE/FDD12	1.40	16QAM	1.0	1	5	23095.0	707.50	21.11
LTE/FDD12	1.40	16QAM	2.0	3	0	23095.0	707.50	21.12
LTE/FDD12	1.40	16QAM	2.0	3	1	23095.0	707.50	21.08
LTE/FDD12	1.40	16QAM	2.0	3	2	23095.0	707.50	21.05
LTE/FDD12	1.40	16QAM	2.0	6	0	23095.0	707.50	20.10
LTE/FDD12	1.40	QPSK	0.0	1	0	23173.0	715.30	21.79
LTE/FDD12	1.40	QPSK	0.0	1	2	23173.0	715.30	21.89
LTE/FDD12	1.40	QPSK	0.0	1	5	23173.0	715.30	21.86
LTE/FDD12	1.40	QPSK	1.0	3	0	23173.0	715.30	21.79
LTE/FDD12	1.40	QPSK	1.0	3	1	23173.0	715.30	21.80
LTE/FDD12	1.40	QPSK	1.0	3	2	23173.0	715.30	21.85
LTE/FDD12	1.40	QPSK	1.0	6	0	23173.0	715.30	20.83
LTE/FDD12	1.40	16QAM	1.0	1	0	23173.0	715.30	21.01
LTE/FDD12	1.40	16QAM	1.0	1	2	23173.0	715.30	20.94
LTE/FDD12	1.40	16QAM	1.0	1	5	23173.0	715.30	21.03
LTE/FDD12	1.40	16QAM	2.0	3	0	23173.0	715.30	20.86
LTE/FDD12	1.40	16QAM	2.0	3	1	23173.0	715.30	20.91

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD12	1.40	16QAM	2.0	3	2	23173.0	715.30	20.80
LTE/FDD12	1.40	16QAM	2.0	6	0	23173.0	715.30	19.88
LTE/FDD13	10.00	QPSK	0.0	1	0	23230.0	782.00	21.38
LTE/FDD13	10.00	QPSK	0.0	1	24	23230.0	782.00	21.62
LTE/FDD13	10.00	QPSK	0.0	1	49	23230.0	782.00	21.63
LTE/FDD13	10.00	QPSK	1.0	25	0	23230.0	782.00	20.60
LTE/FDD13	10.00	QPSK	1.0	25	12	23230.0	782.00	20.70
LTE/FDD13	10.00	QPSK	1.0	25	24	23230.0	782.00	20.67
LTE/FDD13	10.00	QPSK	1.0	50	0	23230.0	782.00	20.65
LTE/FDD13	10.00	16QAM	1.0	1	0	23230.0	782.00	20.53
LTE/FDD13	10.00	16QAM	1.0	1	24	23230.0	782.00	20.78
LTE/FDD13	10.00	16QAM	1.0	1	49	23230.0	782.00	20.85
LTE/FDD13	10.00	16QAM	2.0	25	0	23230.0	782.00	19.60
LTE/FDD13	10.00	16QAM	2.0	25	12	23230.0	782.00	19.74
LTE/FDD13	10.00	16QAM	2.0	25	24	23230.0	782.00	19.70
LTE/FDD13	10.00	16QAM	2.0	50	0	23230.0	782.00	19.67
LTE/FDD13	5.00	QPSK	0.0	1	0	23230.0	782.00	21.77
LTE/FDD13	5.00	QPSK	0.0	1	12	23230.0	782.00	21.86
LTE/FDD13	5.00	QPSK	0.0	1	24	23230.0	782.00	21.82
LTE/FDD13	5.00	QPSK	1.0	12	0	23230.0	782.00	20.67
LTE/FDD13	5.00	QPSK	1.0	12	6	23230.0	782.00	20.66
LTE/FDD13	5.00	QPSK	1.0	12	11	23230.0	782.00	20.66
LTE/FDD13	5.00	QPSK	1.0	25	0	23230.0	782.00	20.71
LTE/FDD13	5.00	16QAM	1.0	1	0	23230.0	782.00	20.89
LTE/FDD13	5.00	16QAM	1.0	1	12	23230.0	782.00	20.78
LTE/FDD13	5.00	16QAM	1.0	1	24	23230.0	782.00	20.96
LTE/FDD13	5.00	16QAM	2.0	12	0	23230.0	782.00	19.62
LTE/FDD13	5.00	16QAM	2.0	12	6	23230.0	782.00	19.62
LTE/FDD13	5.00	16QAM	2.0	12	11	23230.0	782.00	19.64
LTE/FDD13	5.00	16QAM	2.0	25	0	23230.0	782.00	19.76
LTE/FDD14	10.00	QPSK	0.0	1	0	23330.0	793.00	21.25
LTE/FDD14	10.00	QPSK	0.0	1	24	23330.0	793.00	21.26
LTE/FDD14	10.00	QPSK	0.0	1	49	23330.0	793.00	21.36
LTE/FDD14	10.00	QPSK	1.0	25	0	23330.0	793.00	20.60
LTE/FDD14	10.00	QPSK	1.0	25	12	23330.0	793.00	20.57

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD14	10.00	QPSK	1.0	25	24	23330.0	793.00	20.71
LTE/FDD14	10.00	QPSK	1.0	50	0	23330.0	793.00	20.63
LTE/FDD14	10.00	16QAM	1.0	1	0	23330.0	793.00	20.35
LTE/FDD14	10.00	16QAM	1.0	1	24	23330.0	793.00	20.28
LTE/FDD14	10.00	16QAM	1.0	1	49	23330.0	793.00	20.54
LTE/FDD14	10.00	16QAM	2.0	25	0	23330.0	793.00	19.55
LTE/FDD14	10.00	16QAM	2.0	25	12	23330.0	793.00	19.75
LTE/FDD14	10.00	16QAM	2.0	25	24	23330.0	793.00	19.68
LTE/FDD14	10.00	16QAM	2.0	50	0	23330.0	793.00	19.78
LTE/FDD14	5.00	QPSK	0.0	1	0	23330.0	793.00	20.77
LTE/FDD14	5.00	QPSK	0.0	1	12	23330.0	793.00	20.86
LTE/FDD14	5.00	QPSK	0.0	1	24	23330.0	793.00	21.82
LTE/FDD14	5.00	QPSK	1.0	12	0	23330.0	793.00	20.67
LTE/FDD14	5.00	QPSK	1.0	12	6	23330.0	793.00	20.66
LTE/FDD14	5.00	QPSK	1.0	12	11	23330.0	793.00	20.66
LTE/FDD14	5.00	QPSK	1.0	25	0	23330.0	793.00	20.51
LTE/FDD14	5.00	16QAM	1.0	1	0	23330.0	793.00	20.38
LTE/FDD14	5.00	16QAM	1.0	1	12	23330.0	793.00	20.45
LTE/FDD14	5.00	16QAM	1.0	1	24	23330.0	793.00	20.96
LTE/FDD14	5.00	16QAM	2.0	12	0	23330.0	793.00	19.62
LTE/FDD14	5.00	16QAM	2.0	12	6	23330.0	793.00	19.62
LTE/FDD14	5.00	16QAM	2.0	12	11	23330.0	793.00	19.64
LTE/FDD14	5.00	16QAM	2.0	25	0	23330.0	793.00	19.76
LTE/FDD17	10.00	QPSK	0.0	1	0	23790.0	710.00	22.25
LTE/FDD17	10.00	QPSK	0.0	1	24	23790.0	710.00	22.12
LTE/FDD17	10.00	QPSK	0.0	1	49	23790.0	710.00	21.95
LTE/FDD17	10.00	QPSK	1.0	25	0	23790.0	710.00	21.24
LTE/FDD17	10.00	QPSK	1.0	25	12	23790.0	710.00	21.12
LTE/FDD17	10.00	QPSK	1.0	25	24	23790.0	710.00	21.06
LTE/FDD17	10.00	QPSK	1.0	50	0	23790.0	710.00	21.03
LTE/FDD17	10.00	16QAM	1.0	1	0	23790.0	710.00	21.29
LTE/FDD17	10.00	16QAM	1.0	1	24	23790.0	710.00	21.27
LTE/FDD17	10.00	16QAM	1.0	1	49	23790.0	710.00	21.06
LTE/FDD17	10.00	16QAM	2.0	25	0	23790.0	710.00	20.04
LTE/FDD17	10.00	16QAM	2.0	25	12	23790.0	710.00	20.10

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD17	10.00	16QAM	2.0	25	24	23790.0	710.00	19.94
LTE/FDD17	10.00	16QAM	2.0	50	0	23790.0	710.00	20.00
LTE/FDD17	5.00	QPSK	0.0	1	0	23790.0	710.00	22.09
LTE/FDD17	5.00	QPSK	0.0	1	12	23790.0	710.00	22.01
LTE/FDD17	5.00	QPSK	0.0	1	24	23790.0	710.00	21.90
LTE/FDD17	5.00	QPSK	1.0	12	0	23790.0	710.00	21.02
LTE/FDD17	5.00	QPSK	1.0	12	6	23790.0	710.00	20.99
LTE/FDD17	5.00	QPSK	1.0	12	11	23790.0	710.00	20.87
LTE/FDD17	5.00	QPSK	1.0	25	0	23790.0	710.00	20.97
LTE/FDD17	5.00	16QAM	1.0	1	0	23790.0	710.00	21.16
LTE/FDD17	5.00	16QAM	1.0	1	12	23790.0	710.00	21.12
LTE/FDD17	5.00	16QAM	1.0	1	24	23790.0	710.00	20.97
LTE/FDD17	5.00	16QAM	2.0	12	0	23790.0	710.00	20.00
LTE/FDD17	5.00	16QAM	2.0	12	6	23790.0	710.00	20.00
LTE/FDD17	5.00	16QAM	2.0	12	11	23790.0	710.00	19.90
LTE/FDD17	5.00	16QAM	2.0	25	0	23790.0	710.00	19.99
LTE/FDD25	20.00	QPSK	0.0	1	0	26140.0	1860.00	21.91
LTE/FDD25	20.00	QPSK	0.0	1	49	26140.0	1860.00	21.99
LTE/FDD25	20.00	QPSK	0.0	1	99	26140.0	1860.00	22.01
LTE/FDD25	20.00	QPSK	1.0	50	0	26140.0	1860.00	21.00
LTE/FDD25	20.00	QPSK	1.0	50	24	26140.0	1860.00	21.01
LTE/FDD25	20.00	QPSK	1.0	50	49	26140.0	1860.00	20.88
LTE/FDD25	20.00	QPSK	1.0	100	0	26140.0	1860.00	20.99
LTE/FDD25	20.00	16QAM	1.0	1	0	26140.0	1860.00	21.00
LTE/FDD25	20.00	16QAM	1.0	1	49	26140.0	1860.00	21.03
LTE/FDD25	20.00	16QAM	1.0	1	99	26140.0	1860.00	21.01
LTE/FDD25	20.00	16QAM	2.0	50	0	26140.0	1860.00	19.98
LTE/FDD25	20.00	16QAM	2.0	50	24	26140.0	1860.00	20.02
LTE/FDD25	20.00	16QAM	2.0	50	49	26140.0	1860.00	19.89
LTE/FDD25	20.00	16QAM	2.0	100	0	26140.0	1860.00	19.97
LTE/FDD25	20.00	QPSK	0.0	1	0	26365.0	1882.50	21.87
LTE/FDD25	20.00	QPSK	0.0	1	49	26365.0	1882.50	21.84
LTE/FDD25	20.00	QPSK	0.0	1	99	26365.0	1882.50	21.80
LTE/FDD25	20.00	QPSK	1.0	50	0	26365.0	1882.50	20.94
LTE/FDD25	20.00	QPSK	1.0	50	24	26365.0	1882.50	20.90

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD25	20.00	QPSK	1.0	50	49	26365.0	1882.50	20.82
LTE/FDD25	20.00	QPSK	1.0	100	0	26365.0	1882.50	20.90
LTE/FDD25	20.00	16QAM	1.0	1	0	26365.0	1882.50	20.99
LTE/FDD25	20.00	16QAM	1.0	1	49	26365.0	1882.50	20.90
LTE/FDD25	20.00	16QAM	1.0	1	99	26365.0	1882.50	20.94
LTE/FDD25	20.00	16QAM	2.0	50	0	26365.0	1882.50	19.91
LTE/FDD25	20.00	16QAM	2.0	50	24	26365.0	1882.50	19.90
LTE/FDD25	20.00	16QAM	2.0	50	49	26365.0	1882.50	19.79
LTE/FDD25	20.00	16QAM	2.0	100	0	26365.0	1882.50	19.88
LTE/FDD25	20.00	QPSK	0.0	1	0	26590.0	1905.00	21.73
LTE/FDD25	20.00	QPSK	0.0	1	49	26590.0	1905.00	21.61
LTE/FDD25	20.00	QPSK	0.0	1	99	26590.0	1905.00	21.51
LTE/FDD25	20.00	QPSK	1.0	50	0	26590.0	1905.00	20.73
LTE/FDD25	20.00	QPSK	1.0	50	24	26590.0	1905.00	20.69
LTE/FDD25	20.00	QPSK	1.0	50	49	26590.0	1905.00	20.64
LTE/FDD25	20.00	QPSK	1.0	100	0	26590.0	1905.00	20.68
LTE/FDD25	20.00	16QAM	1.0	1	0	26590.0	1905.00	20.76
LTE/FDD25	20.00	16QAM	1.0	1	49	26590.0	1905.00	20.78
LTE/FDD25	20.00	16QAM	1.0	1	99	26590.0	1905.00	20.76
LTE/FDD25	20.00	16QAM	2.0	50	0	26590.0	1905.00	19.74
LTE/FDD25	20.00	16QAM	2.0	50	24	26590.0	1905.00	19.71
LTE/FDD25	20.00	16QAM	2.0	50	49	26590.0	1905.00	19.64
LTE/FDD25	20.00	16QAM	2.0	100	0	26590.0	1905.00	19.67
LTE/FDD25	15.00	QPSK	0.0	1	0	26115.0	1857.50	21.87
LTE/FDD25	15.00	QPSK	0.0	1	37	26115.0	1857.50	21.85
LTE/FDD25	15.00	QPSK	0.0	1	74	26115.0	1857.50	21.82
LTE/FDD25	15.00	QPSK	1.0	36	0	26115.0	1857.50	21.00
LTE/FDD25	15.00	QPSK	1.0	50	18	26115.0	1857.50	20.99
LTE/FDD25	15.00	QPSK	1.0	50	39	26115.0	1857.50	20.88
LTE/FDD25	15.00	QPSK	1.0	75	0	26115.0	1857.50	20.91
LTE/FDD25	15.00	16QAM	1.0	1	0	26115.0	1857.50	21.12
LTE/FDD25	15.00	16QAM	1.0	1	37	26115.0	1857.50	20.99
LTE/FDD25	15.00	16QAM	1.0	1	74	26115.0	1857.50	21.03
LTE/FDD25	15.00	16QAM	2.0	36	0	26115.0	1857.50	20.00
LTE/FDD25	15.00	16QAM	2.0	50	18	26115.0	1857.50	20.05

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD25	15.00	16QAM	2.0	50	39	26115.0	1857.50	19.90
LTE/FDD25	15.00	16QAM	2.0	75	0	26115.0	1857.50	19.94
LTE/FDD25	15.00	QPSK	0.0	1	0	26365.0	1882.50	21.77
LTE/FDD25	15.00	QPSK	0.0	1	37	26365.0	1882.50	21.79
LTE/FDD25	15.00	QPSK	0.0	1	74	26365.0	1882.50	21.76
LTE/FDD25	15.00	QPSK	1.0	36	0	26365.0	1882.50	20.90
LTE/FDD25	15.00	QPSK	1.0	50	18	26365.0	1882.50	20.89
LTE/FDD25	15.00	QPSK	1.0	50	39	26365.0	1882.50	20.81
LTE/FDD25	15.00	QPSK	1.0	75	0	26365.0	1882.50	20.88
LTE/FDD25	15.00	16QAM	1.0	1	0	26365.0	1882.50	20.94
LTE/FDD25	15.00	16QAM	1.0	1	37	26365.0	1882.50	20.94
LTE/FDD25	15.00	16QAM	1.0	1	74	26365.0	1882.50	20.93
LTE/FDD25	15.00	16QAM	2.0	36	0	26365.0	1882.50	19.89
LTE/FDD25	15.00	16QAM	2.0	50	18	26365.0	1882.50	19.93
LTE/FDD25	15.00	16QAM	2.0	50	39	26365.0	1882.50	19.79
LTE/FDD25	15.00	16QAM	2.0	75	0	26365.0	1882.50	19.91
LTE/FDD25	15.00	QPSK	0.0	1	0	26615.0	1907.50	21.59
LTE/FDD25	15.00	QPSK	0.0	1	37	26615.0	1907.50	21.56
LTE/FDD25	15.00	QPSK	0.0	1	74	26615.0	1907.50	21.47
LTE/FDD25	15.00	QPSK	1.0	36	0	26615.0	1907.50	20.72
LTE/FDD25	15.00	QPSK	1.0	50	18	26615.0	1907.50	20.65
LTE/FDD25	15.00	QPSK	1.0	50	39	26615.0	1907.50	20.56
LTE/FDD25	15.00	QPSK	1.0	75	0	26615.0	1907.50	20.67
LTE/FDD25	15.00	16QAM	1.0	1	0	26615.0	1907.50	20.79
LTE/FDD25	15.00	16QAM	1.0	1	37	26615.0	1907.50	20.87
LTE/FDD25	15.00	16QAM	1.0	1	74	26615.0	1907.50	20.67
LTE/FDD25	15.00	16QAM	2.0	36	0	26615.0	1907.50	19.72
LTE/FDD25	15.00	16QAM	2.0	50	18	26615.0	1907.50	19.69
LTE/FDD25	15.00	16QAM	2.0	50	39	26615.0	1907.50	19.56
LTE/FDD25	15.00	16QAM	2.0	75	0	26615.0	1907.50	19.71
LTE/FDD25	10.00	QPSK	0.0	1	0	26090.0	1855.00	21.94
LTE/FDD25	10.00	QPSK	0.0	1	24	26090.0	1855.00	21.86
LTE/FDD25	10.00	QPSK	0.0	1	49	26090.0	1855.00	21.78
LTE/FDD25	10.00	QPSK	1.0	25	0	26090.0	1855.00	20.98
LTE/FDD25	10.00	QPSK	1.0	25	12	26090.0	1855.00	20.92

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD25	10.00	QPSK	1.0	25	24	26090.0	1855.00	20.90
LTE/FDD25	10.00	QPSK	1.0	50	0	26090.0	1855.00	20.94
LTE/FDD25	10.00	16QAM	1.0	1	0	26090.0	1855.00	21.14
LTE/FDD25	10.00	16QAM	1.0	1	24	26090.0	1855.00	21.09
LTE/FDD25	10.00	16QAM	1.0	1	49	26090.0	1855.00	20.93
LTE/FDD25	10.00	16QAM	2.0	25	0	26090.0	1855.00	20.04
LTE/FDD25	10.00	16QAM	2.0	25	12	26090.0	1855.00	19.95
LTE/FDD25	10.00	16QAM	2.0	25	24	26090.0	1855.00	20.02
LTE/FDD25	10.00	16QAM	2.0	50	0	26090.0	1855.00	19.94
LTE/FDD25	10.00	QPSK	0.0	1	0	26365.0	1882.50	21.77
LTE/FDD25	10.00	QPSK	0.0	1	24	26365.0	1882.50	21.81
LTE/FDD25	10.00	QPSK	0.0	1	49	26365.0	1882.50	21.73
LTE/FDD25	10.00	QPSK	1.0	25	0	26365.0	1882.50	20.90
LTE/FDD25	10.00	QPSK	1.0	25	12	26365.0	1882.50	20.90
LTE/FDD25	10.00	QPSK	1.0	25	24	26365.0	1882.50	20.87
LTE/FDD25	10.00	QPSK	1.0	50	0	26365.0	1882.50	20.91
LTE/FDD25	10.00	16QAM	1.0	1	0	26365.0	1882.50	20.87
LTE/FDD25	10.00	16QAM	1.0	1	24	26365.0	1882.50	21.08
LTE/FDD25	10.00	16QAM	1.0	1	49	26365.0	1882.50	20.94
LTE/FDD25	10.00	16QAM	2.0	25	0	26365.0	1882.50	19.88
LTE/FDD25	10.00	16QAM	2.0	25	12	26365.0	1882.50	19.96
LTE/FDD25	10.00	16QAM	2.0	25	24	26365.0	1882.50	19.90
LTE/FDD25	10.00	16QAM	2.0	50	0	26365.0	1882.50	19.87
LTE/FDD25	10.00	QPSK	0.0	1	0	26640.0	1910.00	21.60
LTE/FDD25	10.00	QPSK	0.0	1	24	26640.0	1910.00	21.55
LTE/FDD25	10.00	QPSK	0.0	1	49	26640.0	1910.00	21.47
LTE/FDD25	10.00	QPSK	1.0	25	0	26640.0	1910.00	20.65
LTE/FDD25	10.00	QPSK	1.0	25	12	26640.0	1910.00	20.66
LTE/FDD25	10.00	QPSK	1.0	25	24	26640.0	1910.00	20.65
LTE/FDD25	10.00	QPSK	1.0	50	0	26640.0	1910.00	20.67
LTE/FDD25	10.00	16QAM	1.0	1	0	26640.0	1910.00	20.78
LTE/FDD25	10.00	16QAM	1.0	1	24	26640.0	1910.00	20.79
LTE/FDD25	10.00	16QAM	1.0	1	49	26640.0	1910.00	20.79
LTE/FDD25	10.00	16QAM	2.0	25	0	26640.0	1910.00	19.61
LTE/FDD25	10.00	16QAM	2.0	25	12	26640.0	1910.00	19.65

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD25	10.00	16QAM	2.0	25	24	26640.0	1910.00	19.68
LTE/FDD25	10.00	16QAM	2.0	50	0	26640.0	1910.00	19.66
LTE/FDD25	5.00	QPSK	0.0	1	0	26065.0	1852.50	22.17
LTE/FDD25	5.00	QPSK	0.0	1	12	26065.0	1852.50	22.29
LTE/FDD25	5.00	QPSK	0.0	1	24	26065.0	1852.50	22.07
LTE/FDD25	5.00	QPSK	1.0	12	0	26065.0	1852.50	21.16
LTE/FDD25	5.00	QPSK	1.0	12	6	26065.0	1852.50	21.06
LTE/FDD25	5.00	QPSK	1.0	12	11	26065.0	1852.50	21.04
LTE/FDD25	5.00	QPSK	1.0	25	0	26065.0	1852.50	21.05
LTE/FDD25	5.00	16QAM	1.0	1	0	26065.0	1852.50	21.37
LTE/FDD25	5.00	16QAM	1.0	1	12	26065.0	1852.50	21.39
LTE/FDD25	5.00	16QAM	1.0	1	24	26065.0	1852.50	21.16
LTE/FDD25	5.00	16QAM	2.0	12	0	26065.0	1852.50	20.16
LTE/FDD25	5.00	16QAM	2.0	12	6	26065.0	1852.50	20.04
LTE/FDD25	5.00	16QAM	2.0	12	11	26065.0	1852.50	20.03
LTE/FDD25	5.00	16QAM	2.0	25	0	26065.0	1852.50	20.06
LTE/FDD25	5.00	QPSK	0.0	1	0	26365.0	1882.50	21.97
LTE/FDD25	5.00	QPSK	0.0	1	12	26365.0	1882.50	21.96
LTE/FDD25	5.00	QPSK	0.0	1	24	26365.0	1882.50	21.89
LTE/FDD25	5.00	QPSK	1.0	12	0	26365.0	1882.50	20.97
LTE/FDD25	5.00	QPSK	1.0	12	6	26365.0	1882.50	20.93
LTE/FDD25	5.00	QPSK	1.0	12	11	26365.0	1882.50	20.89
LTE/FDD25	5.00	QPSK	1.0	25	0	26365.0	1882.50	20.98
LTE/FDD25	5.00	16QAM	1.0	1	0	26365.0	1882.50	21.09
LTE/FDD25	5.00	16QAM	1.0	1	12	26365.0	1882.50	21.04
LTE/FDD25	5.00	16QAM	1.0	1	24	26365.0	1882.50	20.98
LTE/FDD25	5.00	16QAM	2.0	12	0	26365.0	1882.50	19.94
LTE/FDD25	5.00	16QAM	2.0	12	6	26365.0	1882.50	19.94
LTE/FDD25	5.00	16QAM	2.0	12	11	26365.0	1882.50	19.90
LTE/FDD25	5.00	16QAM	2.0	25	0	26365.0	1882.50	19.98
LTE/FDD25	5.00	QPSK	0.0	1	0	26665.0	1912.50	21.48
LTE/FDD25	5.00	QPSK	0.0	1	12	26665.0	1912.50	21.55
LTE/FDD25	5.00	QPSK	0.0	1	24	26665.0	1912.50	21.60
LTE/FDD25	5.00	QPSK	1.0	12	0	26665.0	1912.50	20.57
LTE/FDD25	5.00	QPSK	1.0	12	6	26665.0	1912.50	20.55

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD25	5.00	QPSK	1.0	12	11	26665.0	1912.50	20.53
LTE/FDD25	5.00	QPSK	1.0	25	0	26665.0	1912.50	20.54
LTE/FDD25	5.00	16QAM	1.0	1	0	26665.0	1912.50	20.62
LTE/FDD25	5.00	16QAM	1.0	1	12	26665.0	1912.50	20.70
LTE/FDD25	5.00	16QAM	1.0	1	24	26665.0	1912.50	20.78
LTE/FDD25	5.00	16QAM	2.0	12	0	26665.0	1912.50	19.58
LTE/FDD25	5.00	16QAM	2.0	12	6	26665.0	1912.50	19.59
LTE/FDD25	5.00	16QAM	2.0	12	11	26665.0	1912.50	19.52
LTE/FDD25	5.00	16QAM	2.0	25	0	26665.0	1912.50	19.54
LTE/FDD25	3.00	QPSK	0.0	1	0	26055.0	1851.50	21.97
LTE/FDD25	3.00	QPSK	0.0	1	7	26055.0	1851.50	22.03
LTE/FDD25	3.00	QPSK	0.0	1	14	26055.0	1851.50	21.85
LTE/FDD25	3.00	QPSK	1.0	8	0	26055.0	1851.50	21.09
LTE/FDD25	3.00	QPSK	1.0	8	4	26055.0	1851.50	21.11
LTE/FDD25	3.00	QPSK	1.0	8	7	26055.0	1851.50	20.96
LTE/FDD25	3.00	QPSK	1.0	15	0	26055.0	1851.50	21.02
LTE/FDD25	3.00	16QAM	1.0	1	0	26055.0	1851.50	21.27
LTE/FDD25	3.00	16QAM	1.0	1	7	26055.0	1851.50	21.26
LTE/FDD25	3.00	16QAM	1.0	1	14	26055.0	1851.50	21.14
LTE/FDD25	3.00	16QAM	2.0	8	0	26055.0	1851.50	20.18
LTE/FDD25	3.00	16QAM	2.0	8	4	26055.0	1851.50	20.19
LTE/FDD25	3.00	16QAM	2.0	8	7	26055.0	1851.50	20.06
LTE/FDD25	3.00	16QAM	2.0	15	0	26055.0	1851.50	20.03
LTE/FDD25	3.00	QPSK	0.0	1	0	26365.0	1882.50	21.86
LTE/FDD25	3.00	QPSK	0.0	1	7	26365.0	1882.50	21.91
LTE/FDD25	3.00	QPSK	0.0	1	14	26365.0	1882.50	21.84
LTE/FDD25	3.00	QPSK	1.0	8	0	26365.0	1882.50	20.93
LTE/FDD25	3.00	QPSK	1.0	8	4	26365.0	1882.50	20.93
LTE/FDD25	3.00	QPSK	1.0	8	7	26365.0	1882.50	20.91
LTE/FDD25	3.00	QPSK	1.0	15	0	26365.0	1882.50	20.90
LTE/FDD25	3.00	16QAM	1.0	1	0	26365.0	1882.50	20.98
LTE/FDD25	3.00	16QAM	1.0	1	7	26365.0	1882.50	21.28
LTE/FDD25	3.00	16QAM	1.0	1	14	26365.0	1882.50	21.12
LTE/FDD25	3.00	16QAM	2.0	8	0	26365.0	1882.50	20.01
LTE/FDD25	3.00	16QAM	2.0	8	4	26365.0	1882.50	20.00

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD25	3.00	16QAM	2.0	8	7	26365.0	1882.50	20.00
LTE/FDD25	3.00	16QAM	2.0	15	0	26365.0	1882.50	19.96
LTE/FDD25	3.00	QPSK	0.0	1	0	26675.0	1913.50	21.51
LTE/FDD25	3.00	QPSK	0.0	1	7	26675.0	1913.50	21.64
LTE/FDD25	3.00	QPSK	0.0	1	14	26675.0	1913.50	21.57
LTE/FDD25	3.00	QPSK	1.0	8	0	26675.0	1913.50	20.61
LTE/FDD25	3.00	QPSK	1.0	8	4	26675.0	1913.50	20.62
LTE/FDD25	3.00	QPSK	1.0	8	7	26675.0	1913.50	20.59
LTE/FDD25	3.00	QPSK	1.0	15	0	26675.0	1913.50	20.62
LTE/FDD25	3.00	16QAM	1.0	1	0	26675.0	1913.50	20.63
LTE/FDD25	3.00	16QAM	1.0	1	7	26675.0	1913.50	20.83
LTE/FDD25	3.00	16QAM	1.0	1	14	26675.0	1913.50	20.81
LTE/FDD25	3.00	16QAM	2.0	8	0	26675.0	1913.50	19.65
LTE/FDD25	3.00	16QAM	2.0	8	4	26675.0	1913.50	19.66
LTE/FDD25	3.00	16QAM	2.0	8	7	26675.0	1913.50	19.65
LTE/FDD25	3.00	16QAM	2.0	15	0	26675.0	1913.50	19.59
LTE/FDD25	1.40	QPSK	0.0	1	0	26047.0	1850.70	21.98
LTE/FDD25	1.40	QPSK	0.0	1	2	26047.0	1850.70	22.12
LTE/FDD25	1.40	QPSK	0.0	1	5	26047.0	1850.70	22.04
LTE/FDD25	1.40	QPSK	1.0	3	0	26047.0	1850.70	22.00
LTE/FDD25	1.40	QPSK	1.0	3	1	26047.0	1850.70	22.01
LTE/FDD25	1.40	QPSK	1.0	3	2	26047.0	1850.70	21.99
LTE/FDD25	1.40	QPSK	1.0	6	0	26047.0	1850.70	21.07
LTE/FDD25	1.40	16QAM	1.0	1	0	26047.0	1850.70	21.11
LTE/FDD25	1.40	16QAM	1.0	1	2	26047.0	1850.70	21.27
LTE/FDD25	1.40	16QAM	1.0	1	5	26047.0	1850.70	21.15
LTE/FDD25	1.40	16QAM	2.0	3	0	26047.0	1850.70	21.16
LTE/FDD25	1.40	16QAM	2.0	3	1	26047.0	1850.70	21.05
LTE/FDD25	1.40	16QAM	2.0	3	2	26047.0	1850.70	21.06
LTE/FDD25	1.40	16QAM	2.0	6	0	26047.0	1850.70	20.19
LTE/FDD25	1.40	QPSK	0.0	1	0	26365.0	1882.50	21.86
LTE/FDD25	1.40	QPSK	0.0	1	2	26365.0	1882.50	21.85
LTE/FDD25	1.40	QPSK	0.0	1	5	26365.0	1882.50	21.79
LTE/FDD25	1.40	QPSK	1.0	3	0	26365.0	1882.50	21.86
LTE/FDD25	1.40	QPSK	1.0	3	1	26365.0	1882.50	21.84

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD25	1.40	QPSK	1.0	3	2	26365.0	1882.50	21.80
LTE/FDD25	1.40	QPSK	1.0	6	0	26365.0	1882.50	20.86
LTE/FDD25	1.40	16QAM	1.0	1	0	26365.0	1882.50	20.91
LTE/FDD25	1.40	16QAM	1.0	1	2	26365.0	1882.50	20.92
LTE/FDD25	1.40	16QAM	1.0	1	5	26365.0	1882.50	21.03
LTE/FDD25	1.40	16QAM	2.0	3	0	26365.0	1882.50	20.95
LTE/FDD25	1.40	16QAM	2.0	3	1	26365.0	1882.50	20.91
LTE/FDD25	1.40	16QAM	2.0	3	2	26365.0	1882.50	20.83
LTE/FDD25	1.40	16QAM	2.0	6	0	26365.0	1882.50	19.91
LTE/FDD25	1.40	QPSK	0.0	1	0	26683.0	1914.30	21.50
LTE/FDD25	1.40	QPSK	0.0	1	2	26683.0	1914.30	21.57
LTE/FDD25	1.40	QPSK	0.0	1	5	26683.0	1914.30	21.55
LTE/FDD25	1.40	QPSK	1.0	3	0	26683.0	1914.30	21.59
LTE/FDD25	1.40	QPSK	1.0	3	1	26683.0	1914.30	21.49
LTE/FDD25	1.40	QPSK	1.0	3	2	26683.0	1914.30	21.48
LTE/FDD25	1.40	QPSK	1.0	6	0	26683.0	1914.30	20.56
LTE/FDD25	1.40	16QAM	1.0	1	0	26683.0	1914.30	20.59
LTE/FDD25	1.40	16QAM	1.0	1	2	26683.0	1914.30	20.62
LTE/FDD25	1.40	16QAM	1.0	1	5	26683.0	1914.30	20.78
LTE/FDD25	1.40	16QAM	2.0	3	0	26683.0	1914.30	20.59
LTE/FDD25	1.40	16QAM	2.0	3	1	26683.0	1914.30	20.57
LTE/FDD25	1.40	16QAM	2.0	3	2	26683.0	1914.30	20.62
LTE/FDD25	1.40	16QAM	2.0	6	0	26683.0	1914.30	19.52
LTE/FDD26	15.00	QPSK	0.0	1	0	26865.0	831.50	21.10
LTE/FDD26	15.00	QPSK	0.0	1	37	26865.0	831.50	21.17
LTE/FDD26	15.00	QPSK	0.0	1	74	26865.0	831.50	21.26
LTE/FDD26	15.00	QPSK	1.0	36	0	26865.0	831.50	20.26
LTE/FDD26	15.00	QPSK	1.0	50	18	26865.0	831.50	20.27
LTE/FDD26	15.00	QPSK	1.0	50	39	26865.0	831.50	20.34
LTE/FDD26	15.00	QPSK	1.0	75	0	26865.0	831.50	20.28
LTE/FDD26	15.00	16QAM	1.0	1	0	26865.0	831.50	20.29
LTE/FDD26	15.00	16QAM	1.0	1	37	26865.0	831.50	20.38
LTE/FDD26	15.00	16QAM	1.0	1	74	26865.0	831.50	20.48
LTE/FDD26	15.00	16QAM	2.0	36	0	26865.0	831.50	19.26
LTE/FDD26	15.00	16QAM	2.0	50	18	26865.0	831.50	19.31

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD26	15.00	16QAM	2.0	50	39	26865.0	831.50	19.38
LTE/FDD26	15.00	16QAM	2.0	75	0	26865.0	831.50	19.30
LTE/FDD26	10.00	QPSK	0.0	1	0	26740.0	819.00	21.35
LTE/FDD26	10.00	QPSK	0.0	1	24	26740.0	819.00	21.36
LTE/FDD26	10.00	QPSK	0.0	1	49	26740.0	819.00	21.21
LTE/FDD26	10.00	QPSK	1.0	25	0	26740.0	819.00	20.37
LTE/FDD26	10.00	QPSK	1.0	25	12	26740.0	819.00	20.45
LTE/FDD26	10.00	QPSK	1.0	25	24	26740.0	819.00	20.45
LTE/FDD26	10.00	QPSK	1.0	50	0	26740.0	819.00	20.47
LTE/FDD26	10.00	16QAM	1.0	1	0	26740.0	819.00	20.55
LTE/FDD26	10.00	16QAM	1.0	1	24	26740.0	819.00	20.60
LTE/FDD26	10.00	16QAM	1.0	1	49	26740.0	819.00	20.45
LTE/FDD26	10.00	16QAM	2.0	25	0	26740.0	819.00	19.40
LTE/FDD26	10.00	16QAM	2.0	25	12	26740.0	819.00	19.53
LTE/FDD26	10.00	16QAM	2.0	25	24	26740.0	819.00	19.50
LTE/FDD26	10.00	16QAM	2.0	50	0	26740.0	819.00	19.46
LTE/FDD26	10.00	QPSK	0.0	1	0	26865.0	831.50	21.14
LTE/FDD26	10.00	QPSK	0.0	1	24	26865.0	831.50	21.24
LTE/FDD26	10.00	QPSK	0.0	1	49	26865.0	831.50	21.35
LTE/FDD26	10.00	QPSK	1.0	25	0	26865.0	831.50	20.20
LTE/FDD26	10.00	QPSK	1.0	25	12	26865.0	831.50	20.32
LTE/FDD26	10.00	QPSK	1.0	25	24	26865.0	831.50	20.41
LTE/FDD26	10.00	QPSK	1.0	50	0	26865.0	831.50	20.30
LTE/FDD26	10.00	16QAM	1.0	1	0	26865.0	831.50	20.47
LTE/FDD26	10.00	16QAM	1.0	1	24	26865.0	831.50	20.57
LTE/FDD26	10.00	16QAM	1.0	1	49	26865.0	831.50	20.44
LTE/FDD26	10.00	16QAM	2.0	25	0	26865.0	831.50	19.26
LTE/FDD26	10.00	16QAM	2.0	25	12	26865.0	831.50	19.34
LTE/FDD26	10.00	16QAM	2.0	25	24	26865.0	831.50	19.30
LTE/FDD26	10.00	16QAM	2.0	50	0	26865.0	831.50	19.32
LTE/FDD26	10.00	QPSK	0.0	1	0	26990.0	844.00	21.42
LTE/FDD26	10.00	QPSK	0.0	1	24	26990.0	844.00	21.59
LTE/FDD26	10.00	QPSK	0.0	1	49	26990.0	844.00	21.74
LTE/FDD26	10.00	QPSK	1.0	25	0	26990.0	844.00	20.58
LTE/FDD26	10.00	QPSK	1.0	25	12	26990.0	844.00	20.68

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD26	10.00	QPSK	1.0	25	24	26990.0	844.00	20.84
LTE/FDD26	10.00	QPSK	1.0	50	0	26990.0	844.00	20.62
LTE/FDD26	10.00	16QAM	1.0	1	0	26990.0	844.00	20.68
LTE/FDD26	10.00	16QAM	1.0	1	24	26990.0	844.00	20.77
LTE/FDD26	10.00	16QAM	1.0	1	49	26990.0	844.00	20.88
LTE/FDD26	10.00	16QAM	2.0	25	0	26990.0	844.00	19.60
LTE/FDD26	10.00	16QAM	2.0	25	12	26990.0	844.00	19.71
LTE/FDD26	10.00	16QAM	2.0	25	24	26990.0	844.00	19.76
LTE/FDD26	10.00	16QAM	2.0	50	0	26990.0	844.00	19.65
LTE/FDD26	5.00	QPSK	0.0	1	0	26715.0	816.50	21.54
LTE/FDD26	5.00	QPSK	0.0	1	12	26715.0	816.50	21.63
LTE/FDD26	5.00	QPSK	0.0	1	24	26715.0	816.50	21.46
LTE/FDD26	5.00	QPSK	1.0	12	0	26715.0	816.50	20.59
LTE/FDD26	5.00	QPSK	1.0	12	6	26715.0	816.50	20.60
LTE/FDD26	5.00	QPSK	1.0	12	11	26715.0	816.50	20.56
LTE/FDD26	5.00	QPSK	1.0	25	0	26715.0	816.50	20.56
LTE/FDD26	5.00	16QAM	1.0	1	0	26715.0	816.50	20.71
LTE/FDD26	5.00	16QAM	1.0	1	12	26715.0	816.50	20.77
LTE/FDD26	5.00	16QAM	1.0	1	24	26715.0	816.50	20.62
LTE/FDD26	5.00	16QAM	2.0	12	0	26715.0	816.50	19.62
LTE/FDD26	5.00	16QAM	2.0	12	6	26715.0	816.50	19.65
LTE/FDD26	5.00	16QAM	2.0	12	11	26715.0	816.50	19.62
LTE/FDD26	5.00	16QAM	2.0	25	0	26715.0	816.50	19.61
LTE/FDD26	5.00	QPSK	0.0	1	0	26865.0	831.50	21.35
LTE/FDD26	5.00	QPSK	0.0	1	12	26865.0	831.50	21.42
LTE/FDD26	5.00	QPSK	0.0	1	24	26865.0	831.50	21.37
LTE/FDD26	5.00	QPSK	1.0	12	0	26865.0	831.50	20.27
LTE/FDD26	5.00	QPSK	1.0	12	6	26865.0	831.50	20.39
LTE/FDD26	5.00	QPSK	1.0	12	11	26865.0	831.50	20.32
LTE/FDD26	5.00	QPSK	1.0	25	0	26865.0	831.50	20.31
LTE/FDD26	5.00	16QAM	1.0	1	0	26865.0	831.50	20.51
LTE/FDD26	5.00	16QAM	1.0	1	12	26865.0	831.50	20.52
LTE/FDD26	5.00	16QAM	1.0	1	24	26865.0	831.50	20.49
LTE/FDD26	5.00	16QAM	2.0	12	0	26865.0	831.50	19.25
LTE/FDD26	5.00	16QAM	2.0	12	6	26865.0	831.50	19.34

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD26	5.00	16QAM	2.0	12	11	26865.0	831.50	19.32
LTE/FDD26	5.00	16QAM	2.0	25	0	26865.0	831.50	19.32
LTE/FDD26	5.00	QPSK	0.0	1	0	27015.0	846.50	21.50
LTE/FDD26	5.00	QPSK	0.0	1	12	27015.0	846.50	21.47
LTE/FDD26	5.00	QPSK	0.0	1	24	27015.0	846.50	21.43
LTE/FDD26	5.00	QPSK	1.0	12	0	27015.0	846.50	20.72
LTE/FDD26	5.00	QPSK	1.0	12	6	27015.0	846.50	20.79
LTE/FDD26	5.00	QPSK	1.0	12	11	27015.0	846.50	20.85
LTE/FDD26	5.00	QPSK	1.0	25	0	27015.0	846.50	20.73
LTE/FDD26	5.00	16QAM	1.0	1	0	27015.0	846.50	20.75
LTE/FDD26	5.00	16QAM	1.0	1	12	27015.0	846.50	20.78
LTE/FDD26	5.00	16QAM	1.0	1	24	27015.0	846.50	20.79
LTE/FDD26	5.00	16QAM	2.0	12	0	27015.0	846.50	19.70
LTE/FDD26	5.00	16QAM	2.0	12	6	27015.0	846.50	19.73
LTE/FDD26	5.00	16QAM	2.0	12	11	27015.0	846.50	19.80
LTE/FDD26	5.00	16QAM	2.0	25	0	27015.0	846.50	19.77
LTE/FDD26	3.00	QPSK	0.0	1	0	26705.0	815.50	21.52
LTE/FDD26	3.00	QPSK	0.0	1	7	26705.0	815.50	21.60
LTE/FDD26	3.00	QPSK	0.0	1	14	26705.0	815.50	21.40
LTE/FDD26	3.00	QPSK	1.0	8	0	26705.0	815.50	20.55
LTE/FDD26	3.00	QPSK	1.0	8	4	26705.0	815.50	20.60
LTE/FDD26	3.00	QPSK	1.0	8	7	26705.0	815.50	20.57
LTE/FDD26	3.00	QPSK	1.0	15	0	26705.0	815.50	20.59
LTE/FDD26	3.00	16QAM	1.0	1	0	26705.0	815.50	20.52
LTE/FDD26	3.00	16QAM	1.0	1	7	26705.0	815.50	20.80
LTE/FDD26	3.00	16QAM	1.0	1	14	26705.0	815.50	20.67
LTE/FDD26	3.00	16QAM	2.0	8	0	26705.0	815.50	19.69
LTE/FDD26	3.00	16QAM	2.0	8	4	26705.0	815.50	19.71
LTE/FDD26	3.00	16QAM	2.0	8	7	26705.0	815.50	19.69
LTE/FDD26	3.00	16QAM	2.0	15	0	26705.0	815.50	19.61
LTE/FDD26	3.00	QPSK	0.0	1	0	26865.0	831.50	21.25
LTE/FDD26	3.00	QPSK	0.0	1	7	26865.0	831.50	21.42
LTE/FDD26	3.00	QPSK	0.0	1	14	26865.0	831.50	21.28
LTE/FDD26	3.00	QPSK	1.0	8	0	26865.0	831.50	20.22
LTE/FDD26	3.00	QPSK	1.0	8	4	26865.0	831.50	20.32

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD26	3.00	QPSK	1.0	8	7	26865.0	831.50	20.34
LTE/FDD26	3.00	QPSK	1.0	15	0	26865.0	831.50	20.32
LTE/FDD26	3.00	16QAM	1.0	1	0	26865.0	831.50	20.47
LTE/FDD26	3.00	16QAM	1.0	1	7	26865.0	831.50	20.56
LTE/FDD26	3.00	16QAM	1.0	1	14	26865.0	831.50	20.43
LTE/FDD26	3.00	16QAM	2.0	8	0	26865.0	831.50	19.26
LTE/FDD26	3.00	16QAM	2.0	8	4	26865.0	831.50	19.37
LTE/FDD26	3.00	16QAM	2.0	8	7	26865.0	831.50	19.36
LTE/FDD26	3.00	16QAM	2.0	15	0	26865.0	831.50	19.35
LTE/FDD26	3.00	QPSK	0.0	1	0	27025.0	847.50	21.49
LTE/FDD26	3.00	QPSK	0.0	1	7	27025.0	847.50	21.63
LTE/FDD26	3.00	QPSK	0.0	1	14	27025.0	847.50	21.71
LTE/FDD26	3.00	QPSK	1.0	8	0	27025.0	847.50	20.76
LTE/FDD26	3.00	QPSK	1.0	8	4	27025.0	847.50	20.81
LTE/FDD26	3.00	QPSK	1.0	8	7	27025.0	847.50	20.80
LTE/FDD26	3.00	QPSK	1.0	15	0	27025.0	847.50	20.77
LTE/FDD26	3.00	16QAM	1.0	1	0	27025.0	847.50	20.74
LTE/FDD26	3.00	16QAM	1.0	1	7	27025.0	847.50	20.68
LTE/FDD26	3.00	16QAM	1.0	1	14	27025.0	847.50	20.87
LTE/FDD26	3.00	16QAM	2.0	8	0	27025.0	847.50	19.81
LTE/FDD26	3.00	16QAM	2.0	8	4	27025.0	847.50	19.91
LTE/FDD26	3.00	16QAM	2.0	8	7	27025.0	847.50	19.85
LTE/FDD26	3.00	16QAM	2.0	15	0	27025.0	847.50	19.81
LTE/FDD26	1.40	QPSK	0.0	1	0	26697.0	814.70	21.48
LTE/FDD26	1.40	QPSK	0.0	1	2	26697.0	814.70	21.60
LTE/FDD26	1.40	QPSK	0.0	1	5	26697.0	814.70	21.48
LTE/FDD26	1.40	QPSK	1.0	3	0	26697.0	814.70	21.51
LTE/FDD26	1.40	QPSK	1.0	3	1	26697.0	814.70	21.53
LTE/FDD26	1.40	QPSK	1.0	3	2	26697.0	814.70	21.54
LTE/FDD26	1.40	QPSK	1.0	6	0	26697.0	814.70	20.48
LTE/FDD26	1.40	16QAM	1.0	1	0	26697.0	814.70	20.64
LTE/FDD26	1.40	16QAM	1.0	1	2	26697.0	814.70	20.76
LTE/FDD26	1.40	16QAM	1.0	1	5	26697.0	814.70	20.62
LTE/FDD26	1.40	16QAM	2.0	3	0	26697.0	814.70	19.58
LTE/FDD26	1.40	16QAM	2.0	3	1	26697.0	814.70	20.58

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD26	1.40	16QAM	2.0	3	2	26697.0	814.70	20.54
LTE/FDD26	1.40	16QAM	2.0	6	0	26697.0	814.70	19.58
LTE/FDD26	1.40	QPSK	0.0	1	0	26865.0	831.50	21.24
LTE/FDD26	1.40	QPSK	0.0	1	2	26865.0	831.50	21.28
LTE/FDD26	1.40	QPSK	0.0	1	5	26865.0	831.50	21.26
LTE/FDD26	1.40	QPSK	1.0	3	0	26865.0	831.50	21.24
LTE/FDD26	1.40	QPSK	1.0	3	1	26865.0	831.50	21.27
LTE/FDD26	1.40	QPSK	1.0	3	2	26865.0	831.50	21.30
LTE/FDD26	1.40	QPSK	1.0	6	0	26865.0	831.50	20.23
LTE/FDD26	1.40	16QAM	1.0	1	0	26865.0	831.50	20.39
LTE/FDD26	1.40	16QAM	1.0	1	2	26865.0	831.50	20.40
LTE/FDD26	1.40	16QAM	1.0	1	5	26865.0	831.50	20.43
LTE/FDD26	1.40	16QAM	2.0	3	0	26865.0	831.50	19.67
LTE/FDD26	1.40	16QAM	2.0	3	1	26865.0	831.50	20.30
LTE/FDD26	1.40	16QAM	2.0	3	2	26865.0	831.50	20.28
LTE/FDD26	1.40	16QAM	2.0	6	0	26865.0	831.50	19.29
LTE/FDD26	1.40	QPSK	0.0	1	0	27033.0	848.30	21.48
LTE/FDD26	1.40	QPSK	0.0	1	2	27033.0	848.30	21.59
LTE/FDD26	1.40	QPSK	0.0	1	5	27033.0	848.30	21.61
LTE/FDD26	1.40	QPSK	1.0	3	0	27033.0	848.30	21.71
LTE/FDD26	1.40	QPSK	1.0	3	1	27033.0	848.30	21.78
LTE/FDD26	1.40	QPSK	1.0	3	2	27033.0	848.30	21.74
LTE/FDD26	1.40	QPSK	1.0	6	0	27033.0	848.30	20.69
LTE/FDD26	1.40	16QAM	1.0	1	0	27033.0	848.30	20.59
LTE/FDD26	1.40	16QAM	1.0	1	2	27033.0	848.30	20.64
LTE/FDD26	1.40	16QAM	1.0	1	5	27033.0	848.30	20.93
LTE/FDD26	1.40	16QAM	2.0	3	0	27033.0	848.30	20.68
LTE/FDD26	1.40	16QAM	2.0	3	1	27033.0	848.30	20.78
LTE/FDD26	1.40	16QAM	2.0	3	2	27033.0	848.30	20.79
LTE/FDD26	1.40	16QAM	2.0	6	0	27033.0	848.30	19.68
LTE/TDD38	20.00	QPSK	0.0	1	0	38000.0	2595.00	21.33
LTE/TDD38	20.00	QPSK	0.0	1	49	38000.0	2595.00	21.43
LTE/TDD38	20.00	QPSK	0.0	1	99	38000.0	2595.00	21.25
LTE/TDD38	20.00	QPSK	1.0	50	0	38000.0	2595.00	20.31
LTE/TDD38	20.00	QPSK	1.0	50	24	38000.0	2595.00	20.26

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/TDD38	20.00	QPSK	1.0	50	49	38000.0	2595.00	20.25
LTE/TDD38	20.00	QPSK	1.0	100	0	38000.0	2595.00	20.26
LTE/TDD38	20.00	16QAM	1.0	1	0	38000.0	2595.00	20.40
LTE/TDD38	20.00	16QAM	1.0	1	49	38000.0	2595.00	20.41
LTE/TDD38	20.00	16QAM	1.0	1	99	38000.0	2595.00	20.35
LTE/TDD38	20.00	16QAM	2.0	50	0	38000.0	2595.00	19.35
LTE/TDD38	20.00	16QAM	2.0	50	24	38000.0	2595.00	19.32
LTE/TDD38	20.00	16QAM	2.0	50	49	38000.0	2595.00	19.26
LTE/TDD38	20.00	16QAM	2.0	100	0	38000.0	2595.00	19.30
LTE/TDD38	15.00	QPSK	0.0	1	0	37825.0	2577.50	21.18
LTE/TDD38	15.00	QPSK	0.0	1	37	37825.0	2577.50	21.17
LTE/TDD38	15.00	QPSK	0.0	1	74	37825.0	2577.50	21.22
LTE/TDD38	15.00	QPSK	1.0	36	0	37825.0	2577.50	20.23
LTE/TDD38	15.00	QPSK	1.0	50	18	37825.0	2577.50	20.31
LTE/TDD38	15.00	QPSK	1.0	50	39	37825.0	2577.50	20.24
LTE/TDD38	15.00	QPSK	1.0	75	0	37825.0	2577.50	20.25
LTE/TDD38	15.00	16QAM	1.0	1	0	37825.0	2577.50	20.39
LTE/TDD38	15.00	16QAM	1.0	1	37	37825.0	2577.50	20.41
LTE/TDD38	15.00	16QAM	1.0	1	74	37825.0	2577.50	20.49
LTE/TDD38	15.00	16QAM	2.0	36	0	37825.0	2577.50	19.23
LTE/TDD38	15.00	16QAM	2.0	50	18	37825.0	2577.50	19.35
LTE/TDD38	15.00	16QAM	2.0	50	39	37825.0	2577.50	19.29
LTE/TDD38	15.00	16QAM	2.0	75	0	37825.0	2577.50	19.27
LTE/TDD38	15.00	QPSK	0.0	1	0	38000.0	2595.00	21.32
LTE/TDD38	15.00	QPSK	0.0	1	37	38000.0	2595.00	21.33
LTE/TDD38	15.00	QPSK	0.0	1	74	38000.0	2595.00	21.32
LTE/TDD38	15.00	QPSK	1.0	36	0	38000.0	2595.00	20.25
LTE/TDD38	15.00	QPSK	1.0	50	18	38000.0	2595.00	20.31
LTE/TDD38	15.00	QPSK	1.0	50	39	38000.0	2595.00	20.26
LTE/TDD38	15.00	QPSK	1.0	75	0	38000.0	2595.00	20.27
LTE/TDD38	15.00	16QAM	1.0	1	0	38000.0	2595.00	20.46
LTE/TDD38	15.00	16QAM	1.0	1	37	38000.0	2595.00	20.47
LTE/TDD38	15.00	16QAM	1.0	1	74	38000.0	2595.00	20.49
LTE/TDD38	15.00	16QAM	2.0	36	0	38000.0	2595.00	19.35
LTE/TDD38	15.00	16QAM	2.0	50	18	38000.0	2595.00	19.33

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/TDD38	15.00	16QAM	2.0	50	39	38000.0	2595.00	19.26
LTE/TDD38	15.00	16QAM	2.0	75	0	38000.0	2595.00	19.27
LTE/TDD38	15.00	QPSK	0.0	1	0	38175.0	2612.50	21.06
LTE/TDD38	15.00	QPSK	0.0	1	37	38175.0	2612.50	21.03
LTE/TDD38	15.00	QPSK	0.0	1	74	38175.0	2612.50	21.00
LTE/TDD38	15.00	QPSK	1.0	36	0	38175.0	2612.50	20.13
LTE/TDD38	15.00	QPSK	1.0	50	18	38175.0	2612.50	20.14
LTE/TDD38	15.00	QPSK	1.0	50	39	38175.0	2612.50	19.98
LTE/TDD38	15.00	QPSK	1.0	75	0	38175.0	2612.50	20.04
LTE/TDD38	15.00	16QAM	1.0	1	0	38175.0	2612.50	20.30
LTE/TDD38	15.00	16QAM	1.0	1	37	38175.0	2612.50	20.18
LTE/TDD38	15.00	16QAM	1.0	1	74	38175.0	2612.50	20.24
LTE/TDD38	15.00	16QAM	2.0	36	0	38175.0	2612.50	19.14
LTE/TDD38	15.00	16QAM	2.0	50	18	38175.0	2612.50	19.14
LTE/TDD38	15.00	16QAM	2.0	50	39	38175.0	2612.50	19.00
LTE/TDD38	15.00	16QAM	2.0	75	0	38175.0	2612.50	19.10
LTE/TDD38	10.00	QPSK	0.0	1	0	37800.0	2575.00	21.10
LTE/TDD38	10.00	QPSK	0.0	1	24	37800.0	2575.00	21.19
LTE/TDD38	10.00	QPSK	0.0	1	49	37800.0	2575.00	21.11
LTE/TDD38	10.00	QPSK	1.0	25	0	37800.0	2575.00	20.19
LTE/TDD38	10.00	QPSK	1.0	25	12	37800.0	2575.00	20.29
LTE/TDD38	10.00	QPSK	1.0	25	24	37800.0	2575.00	20.27
LTE/TDD38	10.00	QPSK	1.0	50	0	37800.0	2575.00	20.27
LTE/TDD38	10.00	16QAM	1.0	1	0	37800.0	2575.00	20.33
LTE/TDD38	10.00	16QAM	1.0	1	24	37800.0	2575.00	20.33
LTE/TDD38	10.00	16QAM	1.0	1	49	37800.0	2575.00	20.39
LTE/TDD38	10.00	16QAM	2.0	25	0	37800.0	2575.00	19.20
LTE/TDD38	10.00	16QAM	2.0	25	12	37800.0	2575.00	19.30
LTE/TDD38	10.00	16QAM	2.0	25	24	37800.0	2575.00	19.26
LTE/TDD38	10.00	16QAM	2.0	50	0	37800.0	2575.00	19.29
LTE/TDD38	10.00	QPSK	0.0	1	0	38000.0	2595.00	21.25
LTE/TDD38	10.00	QPSK	0.0	1	24	38000.0	2595.00	21.27
LTE/TDD38	10.00	QPSK	0.0	1	49	38000.0	2595.00	21.21
LTE/TDD38	10.00	QPSK	1.0	25	0	38000.0	2595.00	20.30
LTE/TDD38	10.00	QPSK	1.0	25	12	38000.0	2595.00	20.30

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/TDD38	10.00	QPSK	1.0	25	24	38000.0	2595.00	20.27
LTE/TDD38	10.00	QPSK	1.0	50	0	38000.0	2595.00	20.27
LTE/TDD38	10.00	16QAM	1.0	1	0	38000.0	2595.00	20.32
LTE/TDD38	10.00	16QAM	1.0	1	24	38000.0	2595.00	20.30
LTE/TDD38	10.00	16QAM	1.0	1	49	38000.0	2595.00	20.35
LTE/TDD38	10.00	16QAM	2.0	25	0	38000.0	2595.00	19.31
LTE/TDD38	10.00	16QAM	2.0	25	12	38000.0	2595.00	19.34
LTE/TDD38	10.00	16QAM	2.0	25	24	38000.0	2595.00	19.31
LTE/TDD38	10.00	16QAM	2.0	50	0	38000.0	2595.00	19.26
LTE/TDD38	10.00	QPSK	0.0	1	0	38200.0	2615.00	21.04
LTE/TDD38	10.00	QPSK	0.0	1	24	38200.0	2615.00	21.00
LTE/TDD38	10.00	QPSK	0.0	1	49	38200.0	2615.00	20.91
LTE/TDD38	10.00	QPSK	1.0	25	0	38200.0	2615.00	20.09
LTE/TDD38	10.00	QPSK	1.0	25	12	38200.0	2615.00	20.06
LTE/TDD38	10.00	QPSK	1.0	25	24	38200.0	2615.00	19.95
LTE/TDD38	10.00	QPSK	1.0	50	0	38200.0	2615.00	20.08
LTE/TDD38	10.00	16QAM	1.0	1	0	38200.0	2615.00	20.26
LTE/TDD38	10.00	16QAM	1.0	1	24	38200.0	2615.00	20.23
LTE/TDD38	10.00	16QAM	1.0	1	49	38200.0	2615.00	20.10
LTE/TDD38	10.00	16QAM	2.0	25	0	38200.0	2615.00	19.10
LTE/TDD38	10.00	16QAM	2.0	25	12	38200.0	2615.00	19.14
LTE/TDD38	10.00	16QAM	2.0	25	24	38200.0	2615.00	19.01
LTE/TDD38	10.00	16QAM	2.0	50	0	38200.0	2615.00	19.10
LTE/TDD38	5.00	QPSK	0.0	1	0	37775.0	2572.50	21.14
LTE/TDD38	5.00	QPSK	0.0	1	12	37775.0	2572.50	21.20
LTE/TDD38	5.00	QPSK	0.0	1	24	37775.0	2572.50	21.23
LTE/TDD38	5.00	QPSK	1.0	12	0	37775.0	2572.50	20.32
LTE/TDD38	5.00	QPSK	1.0	12	6	37775.0	2572.50	20.29
LTE/TDD38	5.00	QPSK	1.0	12	11	37775.0	2572.50	20.25
LTE/TDD38	5.00	QPSK	1.0	25	0	37775.0	2572.50	20.26
LTE/TDD38	5.00	16QAM	1.0	1	0	37775.0	2572.50	20.23
LTE/TDD38	5.00	16QAM	1.0	1	12	37775.0	2572.50	20.34
LTE/TDD38	5.00	16QAM	1.0	1	24	37775.0	2572.50	20.23
LTE/TDD38	5.00	16QAM	2.0	12	0	37775.0	2572.50	19.29
LTE/TDD38	5.00	16QAM	2.0	12	6	37775.0	2572.50	19.22

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/TDD38	5.00	16QAM	2.0	12	11	37775.0	2572.50	19.19
LTE/TDD38	5.00	16QAM	2.0	25	0	37775.0	2572.50	19.31
LTE/TDD38	5.00	QPSK	0.0	1	0	38000.0	2595.00	21.42
LTE/TDD38	5.00	QPSK	0.0	1	12	38000.0	2595.00	21.26
LTE/TDD38	5.00	QPSK	0.0	1	24	38000.0	2595.00	21.18
LTE/TDD38	5.00	QPSK	1.0	12	0	38000.0	2595.00	20.28
LTE/TDD38	5.00	QPSK	1.0	12	6	38000.0	2595.00	20.30
LTE/TDD38	5.00	QPSK	1.0	12	11	38000.0	2595.00	20.30
LTE/TDD38	5.00	QPSK	1.0	25	0	38000.0	2595.00	20.25
LTE/TDD38	5.00	16QAM	1.0	1	0	38000.0	2595.00	20.51
LTE/TDD38	5.00	16QAM	1.0	1	12	38000.0	2595.00	20.42
LTE/TDD38	5.00	16QAM	1.0	1	24	38000.0	2595.00	20.30
LTE/TDD38	5.00	16QAM	2.0	12	0	38000.0	2595.00	19.38
LTE/TDD38	5.00	16QAM	2.0	12	6	38000.0	2595.00	19.31
LTE/TDD38	5.00	16QAM	2.0	12	11	38000.0	2595.00	19.30
LTE/TDD38	5.00	16QAM	2.0	25	0	38000.0	2595.00	19.31
LTE/TDD38	5.00	QPSK	0.0	1	0	38225.0	2617.50	21.06
LTE/TDD38	5.00	QPSK	0.0	1	12	38225.0	2617.50	21.07
LTE/TDD38	5.00	QPSK	0.0	1	24	38225.0	2617.50	21.06
LTE/TDD38	5.00	QPSK	1.0	12	0	38225.0	2617.50	20.08
LTE/TDD38	5.00	QPSK	1.0	12	6	38225.0	2617.50	20.12
LTE/TDD38	5.00	QPSK	1.0	12	11	38225.0	2617.50	20.04
LTE/TDD38	5.00	QPSK	1.0	25	0	38225.0	2617.50	20.09
LTE/TDD38	5.00	16QAM	1.0	1	0	38225.0	2617.50	20.12
LTE/TDD38	5.00	16QAM	1.0	1	12	38225.0	2617.50	20.15
LTE/TDD38	5.00	16QAM	1.0	1	24	38225.0	2617.50	20.11
LTE/TDD38	5.00	16QAM	2.0	12	0	38225.0	2617.50	19.14
LTE/TDD38	5.00	16QAM	2.0	12	6	38225.0	2617.50	19.09
LTE/TDD38	5.00	16QAM	2.0	12	11	38225.0	2617.50	19.07
LTE/TDD38	5.00	16QAM	2.0	25	0	38225.0	2617.50	19.06
LTE/TDD41	20.00	QPSK	0.0	1	0	39750.0	2506.00	21.67
LTE/TDD41	20.00	QPSK	0.0	1	49	39750.0	2506.00	21.74
LTE/TDD41	20.00	QPSK	0.0	1	99	39750.0	2506.00	21.75
LTE/TDD41	20.00	QPSK	1.0	50	0	39750.0	2506.00	20.70
LTE/TDD41	20.00	QPSK	1.0	50	24	39750.0	2506.00	20.76

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/TDD41	20.00	QPSK	1.0	50	49	39750.0	2506.00	20.76
LTE/TDD41	20.00	QPSK	1.0	100	0	39750.0	2506.00	20.73
LTE/TDD41	20.00	16QAM	1.0	1	0	39750.0	2506.00	20.79
LTE/TDD41	20.00	16QAM	1.0	1	49	39750.0	2506.00	20.95
LTE/TDD41	20.00	16QAM	1.0	1	99	39750.0	2506.00	21.00
LTE/TDD41	20.00	16QAM	2.0	50	0	39750.0	2506.00	19.66
LTE/TDD41	20.00	16QAM	2.0	50	24	39750.0	2506.00	19.76
LTE/TDD41	20.00	16QAM	2.0	50	49	39750.0	2506.00	19.77
LTE/TDD41	20.00	16QAM	2.0	100	0	39750.0	2506.00	19.74
LTE/TDD41	20.00	QPSK	0.0	1	0	40620.0	2593.00	21.68
LTE/TDD41	20.00	QPSK	0.0	1	49	40620.0	2593.00	21.88
LTE/TDD41	20.00	QPSK	0.0	1	99	40620.0	2593.00	21.80
LTE/TDD41	20.00	QPSK	1.0	50	0	40620.0	2593.00	20.80
LTE/TDD41	20.00	QPSK	1.0	50	24	40620.0	2593.00	20.88
LTE/TDD41	20.00	QPSK	1.0	50	49	40620.0	2593.00	20.85
LTE/TDD41	20.00	QPSK	1.0	100	0	40620.0	2593.00	20.86
LTE/TDD41	20.00	16QAM	1.0	1	0	40620.0	2593.00	20.86
LTE/TDD41	20.00	16QAM	1.0	1	49	40620.0	2593.00	20.90
LTE/TDD41	20.00	16QAM	1.0	1	99	40620.0	2593.00	20.82
LTE/TDD41	20.00	16QAM	2.0	50	0	40620.0	2593.00	19.78
LTE/TDD41	20.00	16QAM	2.0	50	24	40620.0	2593.00	19.90
LTE/TDD41	20.00	16QAM	2.0	50	49	40620.0	2593.00	19.85
LTE/TDD41	20.00	16QAM	2.0	100	0	40620.0	2593.00	19.87
LTE/TDD41	20.00	QPSK	0.0	1	0	41490.0	2680.00	21.82
LTE/TDD41	20.00	QPSK	0.0	1	49	41490.0	2680.00	21.83
LTE/TDD41	20.00	QPSK	0.0	1	99	41490.0	2680.00	21.69
LTE/TDD41	20.00	QPSK	1.0	50	0	41490.0	2680.00	20.84
LTE/TDD41	20.00	QPSK	1.0	50	24	41490.0	2680.00	20.90
LTE/TDD41	20.00	QPSK	1.0	50	49	41490.0	2680.00	20.86
LTE/TDD41	20.00	QPSK	1.0	100	0	41490.0	2680.00	20.87
LTE/TDD41	20.00	16QAM	1.0	1	0	41490.0	2680.00	21.07
LTE/TDD41	20.00	16QAM	1.0	1	49	41490.0	2680.00	21.15
LTE/TDD41	20.00	16QAM	1.0	1	99	41490.0	2680.00	21.12
LTE/TDD41	20.00	16QAM	2.0	50	0	41490.0	2680.00	19.85
LTE/TDD41	20.00	16QAM	2.0	50	24	41490.0	2680.00	19.92

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/TDD41	20.00	16QAM	2.0	50	49	41490.0	2680.00	19.90
LTE/TDD41	20.00	16QAM	2.0	100	0	41490.0	2680.00	19.92
LTE/TDD41	15.00	QPSK	0.0	1	0	39725.0	2503.50	21.63
LTE/TDD41	15.00	QPSK	0.0	1	37	39725.0	2503.50	21.67
LTE/TDD41	15.00	QPSK	0.0	1	74	39725.0	2503.50	21.70
LTE/TDD41	15.00	QPSK	1.0	36	0	39725.0	2503.50	20.64
LTE/TDD41	15.00	QPSK	1.0	50	18	39725.0	2503.50	20.72
LTE/TDD41	15.00	QPSK	1.0	50	39	39725.0	2503.50	20.70
LTE/TDD41	15.00	QPSK	1.0	75	0	39725.0	2503.50	20.71
LTE/TDD41	15.00	16QAM	1.0	1	0	39725.0	2503.50	20.84
LTE/TDD41	15.00	16QAM	1.0	1	37	39725.0	2503.50	20.91
LTE/TDD41	15.00	16QAM	1.0	1	74	39725.0	2503.50	20.87
LTE/TDD41	15.00	16QAM	2.0	36	0	39725.0	2503.50	19.72
LTE/TDD41	15.00	16QAM	2.0	50	18	39725.0	2503.50	19.73
LTE/TDD41	15.00	16QAM	2.0	50	39	39725.0	2503.50	19.78
LTE/TDD41	15.00	16QAM	2.0	75	0	39725.0	2503.50	19.68
LTE/TDD41	15.00	QPSK	0.0	1	0	40620.0	2593.00	21.77
LTE/TDD41	15.00	QPSK	0.0	1	37	40620.0	2593.00	21.79
LTE/TDD41	15.00	QPSK	0.0	1	74	40620.0	2593.00	21.81
LTE/TDD41	15.00	QPSK	1.0	36	0	40620.0	2593.00	20.73
LTE/TDD41	15.00	QPSK	1.0	50	18	40620.0	2593.00	20.85
LTE/TDD41	15.00	QPSK	1.0	50	39	40620.0	2593.00	20.83
LTE/TDD41	15.00	QPSK	1.0	75	0	40620.0	2593.00	20.82
LTE/TDD41	15.00	16QAM	1.0	1	0	40620.0	2593.00	20.98
LTE/TDD41	15.00	16QAM	1.0	1	37	40620.0	2593.00	21.16
LTE/TDD41	15.00	16QAM	1.0	1	74	40620.0	2593.00	21.02
LTE/TDD41	15.00	16QAM	2.0	36	0	40620.0	2593.00	19.79
LTE/TDD41	15.00	16QAM	2.0	50	18	40620.0	2593.00	19.95
LTE/TDD41	15.00	16QAM	2.0	50	39	40620.0	2593.00	19.85
LTE/TDD41	15.00	16QAM	2.0	75	0	40620.0	2593.00	19.84
LTE/TDD41	15.00	QPSK	0.0	1	0	41515.0	2682.50	21.72
LTE/TDD41	15.00	QPSK	0.0	1	37	41515.0	2682.50	21.90
LTE/TDD41	15.00	QPSK	0.0	1	74	41515.0	2682.50	21.62
LTE/TDD41	15.00	QPSK	1.0	36	0	41515.0	2682.50	20.70
LTE/TDD41	15.00	QPSK	1.0	50	18	41515.0	2682.50	20.75

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/TDD41	15.00	QPSK	1.0	50	39	41515.0	2682.50	20.75
LTE/TDD41	15.00	QPSK	1.0	75	0	41515.0	2682.50	20.71
LTE/TDD41	15.00	16QAM	1.0	1	0	41515.0	2682.50	20.90
LTE/TDD41	15.00	16QAM	1.0	1	37	41515.0	2682.50	21.03
LTE/TDD41	15.00	16QAM	1.0	1	74	41515.0	2682.50	20.82
LTE/TDD41	15.00	16QAM	2.0	36	0	41515.0	2682.50	19.77
LTE/TDD41	15.00	16QAM	2.0	50	18	41515.0	2682.50	19.80
LTE/TDD41	15.00	16QAM	2.0	50	39	41515.0	2682.50	19.82
LTE/TDD41	15.00	16QAM	2.0	75	0	41515.0	2682.50	19.76
LTE/TDD41	10.00	QPSK	0.0	1	0	39700.0	2501.00	21.63
LTE/TDD41	10.00	QPSK	0.0	1	24	39700.0	2501.00	21.63
LTE/TDD41	10.00	QPSK	0.0	1	49	39700.0	2501.00	21.66
LTE/TDD41	10.00	QPSK	1.0	25	0	39700.0	2501.00	20.73
LTE/TDD41	10.00	QPSK	1.0	25	12	39700.0	2501.00	20.74
LTE/TDD41	10.00	QPSK	1.0	25	24	39700.0	2501.00	20.75
LTE/TDD41	10.00	QPSK	1.0	50	0	39700.0	2501.00	20.73
LTE/TDD41	10.00	16QAM	1.0	1	0	39700.0	2501.00	20.75
LTE/TDD41	10.00	16QAM	1.0	1	24	39700.0	2501.00	20.81
LTE/TDD41	10.00	16QAM	1.0	1	49	39700.0	2501.00	20.86
LTE/TDD41	10.00	16QAM	2.0	25	0	39700.0	2501.00	19.76
LTE/TDD41	10.00	16QAM	2.0	25	12	39700.0	2501.00	19.81
LTE/TDD41	10.00	16QAM	2.0	25	24	39700.0	2501.00	19.78
LTE/TDD41	10.00	16QAM	2.0	50	0	39700.0	2501.00	19.72
LTE/TDD41	10.00	QPSK	0.0	1	0	40620.0	2593.00	21.74
LTE/TDD41	10.00	QPSK	0.0	1	24	40620.0	2593.00	21.84
LTE/TDD41	10.00	QPSK	0.0	1	49	40620.0	2593.00	21.78
LTE/TDD41	10.00	QPSK	1.0	25	0	40620.0	2593.00	20.78
LTE/TDD41	10.00	QPSK	1.0	25	12	40620.0	2593.00	20.91
LTE/TDD41	10.00	QPSK	1.0	25	24	40620.0	2593.00	20.88
LTE/TDD41	10.00	QPSK	1.0	50	0	40620.0	2593.00	20.87
LTE/TDD41	10.00	16QAM	1.0	1	0	40620.0	2593.00	20.86
LTE/TDD41	10.00	16QAM	1.0	1	24	40620.0	2593.00	20.98
LTE/TDD41	10.00	16QAM	1.0	1	49	40620.0	2593.00	20.92
LTE/TDD41	10.00	16QAM	2.0	25	0	40620.0	2593.00	19.82
LTE/TDD41	10.00	16QAM	2.0	25	12	40620.0	2593.00	19.97

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/TDD41	10.00	16QAM	2.0	25	24	40620.0	2593.00	19.95
LTE/TDD41	10.00	16QAM	2.0	50	0	40620.0	2593.00	19.89
LTE/TDD41	10.00	QPSK	0.0	1	0	41540.0	2685.00	21.74
LTE/TDD41	10.00	QPSK	0.0	1	24	41540.0	2685.00	21.78
LTE/TDD41	10.00	QPSK	0.0	1	49	41540.0	2685.00	21.68
LTE/TDD41	10.00	QPSK	1.0	25	0	41540.0	2685.00	20.76
LTE/TDD41	10.00	QPSK	1.0	25	12	41540.0	2685.00	20.88
LTE/TDD41	10.00	QPSK	1.0	25	24	41540.0	2685.00	20.84
LTE/TDD41	10.00	QPSK	1.0	50	0	41540.0	2685.00	20.82
LTE/TDD41	10.00	16QAM	1.0	1	0	41540.0	2685.00	20.87
LTE/TDD41	10.00	16QAM	1.0	1	24	41540.0	2685.00	21.07
LTE/TDD41	10.00	16QAM	1.0	1	49	41540.0	2685.00	20.88
LTE/TDD41	10.00	16QAM	2.0	25	0	41540.0	2685.00	19.80
LTE/TDD41	10.00	16QAM	2.0	25	12	41540.0	2685.00	19.85
LTE/TDD41	10.00	16QAM	2.0	25	24	41540.0	2685.00	19.86
LTE/TDD41	10.00	16QAM	2.0	50	0	41540.0	2685.00	19.86
LTE/TDD41	5.00	QPSK	0.0	1	0	39675.0	2498.50	21.68
LTE/TDD41	5.00	QPSK	0.0	1	12	39675.0	2498.50	21.74
LTE/TDD41	5.00	QPSK	0.0	1	24	39675.0	2498.50	21.64
LTE/TDD41	5.00	QPSK	1.0	12	0	39675.0	2498.50	20.69
LTE/TDD41	5.00	QPSK	1.0	12	6	39675.0	2498.50	20.70
LTE/TDD41	5.00	QPSK	1.0	12	11	39675.0	2498.50	20.69
LTE/TDD41	5.00	QPSK	1.0	25	0	39675.0	2498.50	20.70
LTE/TDD41	5.00	16QAM	1.0	1	0	39675.0	2498.50	20.75
LTE/TDD41	5.00	16QAM	1.0	1	12	39675.0	2498.50	20.85
LTE/TDD41	5.00	16QAM	1.0	1	24	39675.0	2498.50	20.77
LTE/TDD41	5.00	16QAM	2.0	12	0	39675.0	2498.50	19.72
LTE/TDD41	5.00	16QAM	2.0	12	6	39675.0	2498.50	19.70
LTE/TDD41	5.00	16QAM	2.0	12	11	39675.0	2498.50	19.73
LTE/TDD41	5.00	16QAM	2.0	25	0	39675.0	2498.50	19.69
LTE/TDD41	5.00	QPSK	0.0	1	0	40620.0	2593.00	21.92
LTE/TDD41	5.00	QPSK	0.0	1	12	40620.0	2593.00	21.97
LTE/TDD41	5.00	QPSK	0.0	1	24	40620.0	2593.00	21.83
LTE/TDD41	5.00	QPSK	1.0	12	0	40620.0	2593.00	20.81
LTE/TDD41	5.00	QPSK	1.0	12	6	40620.0	2593.00	20.88

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/TDD41	5.00	QPSK	1.0	12	11	40620.0	2593.00	20.85
LTE/TDD41	5.00	QPSK	1.0	25	0	40620.0	2593.00	20.81
LTE/TDD41	5.00	16QAM	1.0	1	0	40620.0	2593.00	20.90
LTE/TDD41	5.00	16QAM	1.0	1	12	40620.0	2593.00	21.01
LTE/TDD41	5.00	16QAM	1.0	1	24	40620.0	2593.00	20.89
LTE/TDD41	5.00	16QAM	2.0	12	0	40620.0	2593.00	19.73
LTE/TDD41	5.00	16QAM	2.0	12	6	40620.0	2593.00	19.79
LTE/TDD41	5.00	16QAM	2.0	12	11	40620.0	2593.00	19.80
LTE/TDD41	5.00	16QAM	2.0	25	0	40620.0	2593.00	19.88
LTE/TDD41	5.00	QPSK	0.0	1	0	41565.0	2687.50	21.75
LTE/TDD41	5.00	QPSK	0.0	1	12	41565.0	2687.50	21.80
LTE/TDD41	5.00	QPSK	0.0	1	24	41565.0	2687.50	21.70
LTE/TDD41	5.00	QPSK	1.0	12	0	41565.0	2687.50	20.75
LTE/TDD41	5.00	QPSK	1.0	12	6	41565.0	2687.50	20.76
LTE/TDD41	5.00	QPSK	1.0	12	11	41565.0	2687.50	20.80
LTE/TDD41	5.00	QPSK	1.0	25	0	41565.0	2687.50	20.71
LTE/TDD41	5.00	16QAM	1.0	1	0	41565.0	2687.50	20.99
LTE/TDD41	5.00	16QAM	1.0	1	12	41565.0	2687.50	20.89
LTE/TDD41	5.00	16QAM	1.0	1	24	41565.0	2687.50	20.90
LTE/TDD41	5.00	16QAM	2.0	12	0	41565.0	2687.50	19.86
LTE/TDD41	5.00	16QAM	2.0	12	6	41565.0	2687.50	19.87
LTE/TDD41	5.00	16QAM	2.0	12	11	41565.0	2687.50	19.92
LTE/TDD41	5.00	16QAM	2.0	25	0	41565.0	2687.50	19.75
LTE/FDD66	20.00	QPSK	0.0	1	0	132072.0	1720.00	22.11
LTE/FDD66	20.00	QPSK	0.0	1	49	132072.0	1720.00	22.27
LTE/FDD66	20.00	QPSK	0.0	1	99	132072.0	1720.00	22.36
LTE/FDD66	20.00	QPSK	1.0	50	0	132072.0	1720.00	21.35
LTE/FDD66	20.00	QPSK	1.0	50	24	132072.0	1720.00	21.39
LTE/FDD66	20.00	QPSK	1.0	50	49	132072.0	1720.00	21.43
LTE/FDD66	20.00	QPSK	1.0	100	0	132072.0	1720.00	21.33
LTE/FDD66	20.00	16QAM	1.0	1	0	132072.0	1720.00	21.34
LTE/FDD66	20.00	16QAM	1.0	1	49	132072.0	1720.00	21.56
LTE/FDD66	20.00	16QAM	1.0	1	99	132072.0	1720.00	21.56
LTE/FDD66	20.00	16QAM	2.0	50	0	132072.0	1720.00	20.33
LTE/FDD66	20.00	16QAM	2.0	50	24	132072.0	1720.00	20.43

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD66	20.00	16QAM	2.0	50	49	132072.0	1720.00	20.42
LTE/FDD66	20.00	16QAM	2.0	100	0	132072.0	1720.00	20.36
LTE/FDD66	20.00	QPSK	0.0	1	0	132322.0	1745.00	22.11
LTE/FDD66	20.00	QPSK	0.0	1	49	132322.0	1745.00	22.05
LTE/FDD66	20.00	QPSK	0.0	1	99	132322.0	1745.00	22.03
LTE/FDD66	20.00	QPSK	1.0	50	0	132322.0	1745.00	21.09
LTE/FDD66	20.00	QPSK	1.0	50	24	132322.0	1745.00	21.17
LTE/FDD66	20.00	QPSK	1.0	50	49	132322.0	1745.00	21.12
LTE/FDD66	20.00	QPSK	1.0	100	0	132322.0	1745.00	21.15
LTE/FDD66	20.00	16QAM	1.0	1	0	132322.0	1745.00	21.23
LTE/FDD66	20.00	16QAM	1.0	1	49	132322.0	1745.00	21.21
LTE/FDD66	20.00	16QAM	1.0	1	99	132322.0	1745.00	21.33
LTE/FDD66	20.00	16QAM	2.0	50	0	132322.0	1745.00	20.12
LTE/FDD66	20.00	16QAM	2.0	50	24	132322.0	1745.00	20.20
LTE/FDD66	20.00	16QAM	2.0	50	49	132322.0	1745.00	20.16
LTE/FDD66	20.00	16QAM	2.0	100	0	132322.0	1745.00	20.05
LTE/FDD66	20.00	QPSK	0.0	1	0	132575.0	1770.00	21.98
LTE/FDD66	20.00	QPSK	0.0	1	49	132575.0	1770.00	22.03
LTE/FDD66	20.00	QPSK	0.0	1	99	132575.0	1770.00	22.01
LTE/FDD66	20.00	QPSK	1.0	50	0	132575.0	1770.00	21.00
LTE/FDD66	20.00	QPSK	1.0	50	24	132575.0	1770.00	21.08
LTE/FDD66	20.00	QPSK	1.0	50	49	132575.0	1770.00	21.15
LTE/FDD66	20.00	QPSK	1.0	100	0	132575.0	1770.00	20.92
LTE/FDD66	20.00	16QAM	1.0	1	0	132575.0	1770.00	21.10
LTE/FDD66	20.00	16QAM	1.0	1	49	132575.0	1770.00	21.30
LTE/FDD66	20.00	16QAM	1.0	1	99	132575.0	1770.00	21.16
LTE/FDD66	20.00	16QAM	2.0	50	0	132575.0	1770.00	19.96
LTE/FDD66	20.00	16QAM	2.0	50	24	132575.0	1770.00	19.98
LTE/FDD66	20.00	16QAM	2.0	50	49	132575.0	1770.00	20.07
LTE/FDD66	20.00	16QAM	2.0	100	0	132575.0	1770.00	19.99
LTE/FDD66	15.00	QPSK	0.0	1	0	132047.0	1717.50	22.15
LTE/FDD66	15.00	QPSK	0.0	1	37	132047.0	1717.50	22.33
LTE/FDD66	15.00	QPSK	0.0	1	74	132047.0	1717.50	22.25
LTE/FDD66	15.00	QPSK	1.0	36	0	132047.0	1717.50	21.20
LTE/FDD66	15.00	QPSK	1.0	50	18	132047.0	1717.50	21.39

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD66	15.00	QPSK	1.0	50	39	132047.0	1717.50	21.39
LTE/FDD66	15.00	QPSK	1.0	75	0	132047.0	1717.50	21.31
LTE/FDD66	15.00	16QAM	1.0	1	0	132047.0	1717.50	21.38
LTE/FDD66	15.00	16QAM	1.0	1	37	132047.0	1717.50	21.50
LTE/FDD66	15.00	16QAM	1.0	1	74	132047.0	1717.50	21.46
LTE/FDD66	15.00	16QAM	2.0	36	0	132047.0	1717.50	20.31
LTE/FDD66	15.00	16QAM	2.0	50	18	132047.0	1717.50	20.34
LTE/FDD66	15.00	16QAM	2.0	50	39	132047.0	1717.50	20.41
LTE/FDD66	15.00	16QAM	2.0	75	0	132047.0	1717.50	20.37
LTE/FDD66	15.00	QPSK	0.0	1	0	132322.0	1745.00	22.13
LTE/FDD66	15.00	QPSK	0.0	1	37	132322.0	1745.00	22.11
LTE/FDD66	15.00	QPSK	0.0	1	74	132322.0	1745.00	21.98
LTE/FDD66	15.00	QPSK	1.0	36	0	132322.0	1745.00	21.08
LTE/FDD66	15.00	QPSK	1.0	50	18	132322.0	1745.00	21.15
LTE/FDD66	15.00	QPSK	1.0	50	39	132322.0	1745.00	21.49
LTE/FDD66	15.00	QPSK	1.0	75	0	132322.0	1745.00	21.10
LTE/FDD66	15.00	16QAM	1.0	1	0	132322.0	1745.00	21.13
LTE/FDD66	15.00	16QAM	1.0	1	37	132322.0	1745.00	21.05
LTE/FDD66	15.00	16QAM	1.0	1	74	132322.0	1745.00	21.01
LTE/FDD66	15.00	16QAM	2.0	36	0	132322.0	1745.00	19.99
LTE/FDD66	15.00	16QAM	2.0	50	18	132322.0	1745.00	20.07
LTE/FDD66	15.00	16QAM	2.0	50	39	132322.0	1745.00	20.04
LTE/FDD66	15.00	16QAM	2.0	75	0	132322.0	1745.00	20.01
LTE/FDD66	15.00	QPSK	0.0	1	0	132597.0	1772.50	21.96
LTE/FDD66	15.00	QPSK	0.0	1	37	132597.0	1772.50	22.01
LTE/FDD66	15.00	QPSK	0.0	1	74	132597.0	1772.50	22.12
LTE/FDD66	15.00	QPSK	1.0	36	0	132597.0	1772.50	20.95
LTE/FDD66	15.00	QPSK	1.0	50	18	132597.0	1772.50	21.03
LTE/FDD66	15.00	QPSK	1.0	50	39	132597.0	1772.50	21.07
LTE/FDD66	15.00	QPSK	1.0	75	0	132597.0	1772.50	21.00
LTE/FDD66	15.00	16QAM	1.0	1	0	132597.0	1772.50	21.02
LTE/FDD66	15.00	16QAM	1.0	1	37	132597.0	1772.50	21.13
LTE/FDD66	15.00	16QAM	1.0	1	74	132597.0	1772.50	21.13
LTE/FDD66	15.00	16QAM	2.0	36	0	132597.0	1772.50	19.94
LTE/FDD66	15.00	16QAM	2.0	50	18	132597.0	1772.50	20.02

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD66	15.00	16QAM	2.0	50	39	132597.0	1772.50	20.05
LTE/FDD66	15.00	16QAM	2.0	75	0	132597.0	1772.50	20.01
LTE/FDD66	10.00	QPSK	0.0	1	0	132022.0	1715.00	22.19
LTE/FDD66	10.00	QPSK	0.0	1	24	132022.0	1715.00	22.23
LTE/FDD66	10.00	QPSK	0.0	1	49	132022.0	1715.00	22.24
LTE/FDD66	10.00	QPSK	1.0	25	0	132022.0	1715.00	21.18
LTE/FDD66	10.00	QPSK	1.0	25	12	132022.0	1715.00	21.32
LTE/FDD66	10.00	QPSK	1.0	25	24	132022.0	1715.00	21.43
LTE/FDD66	10.00	QPSK	1.0	50	0	132022.0	1715.00	21.40
LTE/FDD66	10.00	16QAM	1.0	1	0	132022.0	1715.00	21.23
LTE/FDD66	10.00	16QAM	1.0	1	24	132022.0	1715.00	21.39
LTE/FDD66	10.00	16QAM	1.0	1	49	132022.0	1715.00	21.51
LTE/FDD66	10.00	16QAM	2.0	25	0	132022.0	1715.00	20.19
LTE/FDD66	10.00	16QAM	2.0	25	12	132022.0	1715.00	20.38
LTE/FDD66	10.00	16QAM	2.0	25	24	132022.0	1715.00	20.42
LTE/FDD66	10.00	16QAM	2.0	50	0	132022.0	1715.00	20.39
LTE/FDD66	10.00	QPSK	0.0	1	0	132322.0	1745.00	21.87
LTE/FDD66	10.00	QPSK	0.0	1	24	132322.0	1745.00	21.87
LTE/FDD66	10.00	QPSK	0.0	1	49	132322.0	1745.00	21.85
LTE/FDD66	10.00	QPSK	1.0	25	0	132322.0	1745.00	21.01
LTE/FDD66	10.00	QPSK	1.0	25	12	132322.0	1745.00	21.06
LTE/FDD66	10.00	QPSK	1.0	25	24	132322.0	1745.00	20.98
LTE/FDD66	10.00	QPSK	1.0	50	0	132322.0	1745.00	20.97
LTE/FDD66	10.00	16QAM	1.0	1	0	132322.0	1745.00	21.08
LTE/FDD66	10.00	16QAM	1.0	1	24	132322.0	1745.00	21.18
LTE/FDD66	10.00	16QAM	1.0	1	49	132322.0	1745.00	21.15
LTE/FDD66	10.00	16QAM	2.0	25	0	132322.0	1745.00	19.93
LTE/FDD66	10.00	16QAM	2.0	25	12	132322.0	1745.00	20.00
LTE/FDD66	10.00	16QAM	2.0	25	24	132322.0	1745.00	20.03
LTE/FDD66	10.00	16QAM	2.0	50	0	132322.0	1745.00	20.01
LTE/FDD66	10.00	QPSK	0.0	1	0	132622.0	1775.00	21.82
LTE/FDD66	10.00	QPSK	0.0	1	24	132622.0	1775.00	21.96
LTE/FDD66	10.00	QPSK	0.0	1	49	132622.0	1775.00	21.94
LTE/FDD66	10.00	QPSK	1.0	25	0	132622.0	1775.00	20.88
LTE/FDD66	10.00	QPSK	1.0	25	12	132622.0	1775.00	20.98

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD66	10.00	QPSK	1.0	25	24	132622.0	1775.00	21.03
LTE/FDD66	10.00	QPSK	1.0	50	0	132622.0	1775.00	20.96
LTE/FDD66	10.00	16QAM	1.0	1	0	132622.0	1775.00	21.04
LTE/FDD66	10.00	16QAM	1.0	1	24	132622.0	1775.00	21.10
LTE/FDD66	10.00	16QAM	1.0	1	49	132622.0	1775.00	21.03
LTE/FDD66	10.00	16QAM	2.0	25	0	132622.0	1775.00	19.94
LTE/FDD66	10.00	16QAM	2.0	25	12	132622.0	1775.00	20.05
LTE/FDD66	10.00	16QAM	2.0	25	24	132622.0	1775.00	20.06
LTE/FDD66	10.00	16QAM	2.0	50	0	132622.0	1775.00	19.98
LTE/FDD66	5.00	QPSK	0.0	1	0	131997.0	1712.50	22.37
LTE/FDD66	5.00	QPSK	0.0	1	12	131997.0	1712.50	22.41
LTE/FDD66	5.00	QPSK	0.0	1	24	131997.0	1712.50	22.43
LTE/FDD66	5.00	QPSK	1.0	12	0	131997.0	1712.50	21.32
LTE/FDD66	5.00	QPSK	1.0	12	6	131997.0	1712.50	21.37
LTE/FDD66	5.00	QPSK	1.0	12	11	131997.0	1712.50	21.36
LTE/FDD66	5.00	QPSK	1.0	25	0	131997.0	1712.50	21.30
LTE/FDD66	5.00	16QAM	1.0	1	0	131997.0	1712.50	21.34
LTE/FDD66	5.00	16QAM	1.0	1	12	131997.0	1712.50	21.49
LTE/FDD66	5.00	16QAM	1.0	1	24	131997.0	1712.50	21.42
LTE/FDD66	5.00	16QAM	2.0	12	0	131997.0	1712.50	20.37
LTE/FDD66	5.00	16QAM	2.0	12	6	131997.0	1712.50	20.43
LTE/FDD66	5.00	16QAM	2.0	12	11	131997.0	1712.50	20.43
LTE/FDD66	5.00	16QAM	2.0	25	0	131997.0	1712.50	20.39
LTE/FDD66	5.00	QPSK	0.0	1	0	132322.0	1745.00	22.12
LTE/FDD66	5.00	QPSK	0.0	1	12	132322.0	1745.00	22.07
LTE/FDD66	5.00	QPSK	0.0	1	24	132322.0	1745.00	22.17
LTE/FDD66	5.00	QPSK	1.0	12	0	132322.0	1745.00	21.10
LTE/FDD66	5.00	QPSK	1.0	12	6	132322.0	1745.00	21.11
LTE/FDD66	5.00	QPSK	1.0	12	11	132322.0	1745.00	21.06
LTE/FDD66	5.00	QPSK	1.0	25	0	132322.0	1745.00	21.07
LTE/FDD66	5.00	16QAM	1.0	1	0	132322.0	1745.00	21.28
LTE/FDD66	5.00	16QAM	1.0	1	12	132322.0	1745.00	21.24
LTE/FDD66	5.00	16QAM	1.0	1	24	132322.0	1745.00	21.27
LTE/FDD66	5.00	16QAM	2.0	12	0	132322.0	1745.00	19.97
LTE/FDD66	5.00	16QAM	2.0	12	6	132322.0	1745.00	20.02

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD66	5.00	16QAM	2.0	12	11	132322.0	1745.00	19.97
LTE/FDD66	5.00	16QAM	2.0	25	0	132322.0	1745.00	20.09
LTE/FDD66	5.00	QPSK	0.0	1	0	132647.0	1777.50	22.05
LTE/FDD66	5.00	QPSK	0.0	1	12	132647.0	1777.50	22.30
LTE/FDD66	5.00	QPSK	0.0	1	24	132647.0	1777.50	22.14
LTE/FDD66	5.00	QPSK	1.0	12	0	132647.0	1777.50	21.01
LTE/FDD66	5.00	QPSK	1.0	12	6	132647.0	1777.50	21.07
LTE/FDD66	5.00	QPSK	1.0	25	0	132647.0	1777.50	21.01
LTE/FDD66	5.00	16QAM	1.0	1	0	132647.0	1777.50	21.23
LTE/FDD66	5.00	16QAM	1.0	1	12	132647.0	1777.50	21.29
LTE/FDD66	5.00	16QAM	1.0	1	24	132647.0	1777.50	21.42
LTE/FDD66	5.00	16QAM	2.0	12	0	132647.0	1777.50	20.12
LTE/FDD66	5.00	16QAM	2.0	12	6	132647.0	1777.50	20.16
LTE/FDD66	5.00	16QAM	2.0	12	11	132647.0	1777.50	20.20
LTE/FDD66	5.00	16QAM	2.0	25	0	132647.0	1777.50	20.05
LTE/FDD66	3.00	QPSK	0.0	1	0	131987.0	1711.50	22.15
LTE/FDD66	3.00	QPSK	0.0	1	7	131987.0	1711.50	22.41
LTE/FDD66	3.00	QPSK	0.0	1	14	131987.0	1711.50	22.27
LTE/FDD66	3.00	QPSK	1.0	8	0	131987.0	1711.50	21.39
LTE/FDD66	3.00	QPSK	1.0	8	4	131987.0	1711.50	21.40
LTE/FDD66	3.00	QPSK	1.0	8	7	131987.0	1711.50	21.42
LTE/FDD66	3.00	QPSK	1.0	15	0	131987.0	1711.50	21.37
LTE/FDD66	3.00	16QAM	1.0	1	0	131987.0	1711.50	21.41
LTE/FDD66	3.00	16QAM	1.0	1	7	131987.0	1711.50	21.60
LTE/FDD66	3.00	16QAM	1.0	1	14	131987.0	1711.50	21.44
LTE/FDD66	3.00	16QAM	2.0	8	0	131987.0	1711.50	20.46
LTE/FDD66	3.00	16QAM	2.0	8	4	131987.0	1711.50	20.50
LTE/FDD66	3.00	16QAM	2.0	8	7	131987.0	1711.50	20.49
LTE/FDD66	3.00	16QAM	2.0	15	0	131987.0	1711.50	20.40
LTE/FDD66	3.00	QPSK	0.0	1	0	132322.0	1745.00	22.02
LTE/FDD66	3.00	QPSK	0.0	1	7	132322.0	1745.00	22.19
LTE/FDD66	3.00	QPSK	0.0	1	14	132322.0	1745.00	22.03
LTE/FDD66	3.00	QPSK	1.0	8	0	132322.0	1745.00	21.09
LTE/FDD66	3.00	QPSK	1.0	8	4	132322.0	1745.00	21.11
LTE/FDD66	3.00	QPSK	1.0	8	7	132322.0	1745.00	21.09

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD66	3.00	QPSK	1.0	15	0	132322.0	1745.00	21.12
LTE/FDD66	3.00	16QAM	1.0	1	0	132322.0	1745.00	21.39
LTE/FDD66	3.00	16QAM	1.0	1	7	132322.0	1745.00	21.34
LTE/FDD66	3.00	16QAM	1.0	1	14	132322.0	1745.00	21.24
LTE/FDD66	3.00	16QAM	2.0	8	0	132322.0	1745.00	20.11
LTE/FDD66	3.00	16QAM	2.0	8	4	132322.0	1745.00	20.10
LTE/FDD66	3.00	16QAM	2.0	8	7	132322.0	1745.00	20.13
LTE/FDD66	3.00	16QAM	2.0	15	0	132322.0	1745.00	20.11
LTE/FDD66	3.00	QPSK	0.0	1	0	132652.0	1778.50	22.03
LTE/FDD66	3.00	QPSK	0.0	1	7	132652.0	1778.50	22.21
LTE/FDD66	3.00	QPSK	0.0	1	14	132652.0	1778.50	22.04
LTE/FDD66	3.00	QPSK	1.0	8	0	132652.0	1778.50	21.11
LTE/FDD66	3.00	QPSK	1.0	8	4	132652.0	1778.50	21.16
LTE/FDD66	3.00	QPSK	1.0	8	7	132652.0	1778.50	21.16
LTE/FDD66	3.00	QPSK	1.0	15	0	132652.0	1778.50	21.13
LTE/FDD66	3.00	16QAM	1.0	1	0	132652.0	1778.50	21.07
LTE/FDD66	3.00	16QAM	1.0	1	7	132652.0	1778.50	21.49
LTE/FDD66	3.00	16QAM	1.0	1	14	132652.0	1778.50	21.30
LTE/FDD66	3.00	16QAM	2.0	8	0	132652.0	1778.50	20.16
LTE/FDD66	3.00	16QAM	2.0	8	4	132652.0	1778.50	20.18
LTE/FDD66	3.00	16QAM	2.0	8	7	132652.0	1778.50	20.20
LTE/FDD66	3.00	16QAM	2.0	15	0	132652.0	1778.50	20.12
LTE/FDD66	1.40	QPSK	0.0	1	0	131972.0	1710.70	22.37
LTE/FDD66	1.40	QPSK	0.0	1	2	131972.0	1710.70	22.30
LTE/FDD66	1.40	QPSK	0.0	1	5	131972.0	1710.70	22.24
LTE/FDD66	1.40	QPSK	1.0	3	0	131972.0	1710.70	22.24
LTE/FDD66	1.40	QPSK	1.0	3	1	131972.0	1710.70	22.26
LTE/FDD66	1.40	QPSK	1.0	3	2	131972.0	1710.70	22.24
LTE/FDD66	1.40	QPSK	1.0	6	0	131972.0	1710.70	21.28
LTE/FDD66	1.40	16QAM	1.0	1	0	131972.0	1710.70	21.30
LTE/FDD66	1.40	16QAM	1.0	1	2	131972.0	1710.70	21.46
LTE/FDD66	1.40	16QAM	1.0	1	5	131972.0	1710.70	21.45
LTE/FDD66	1.40	16QAM	2.0	3	0	131972.0	1710.70	21.37
LTE/FDD66	1.40	16QAM	2.0	3	1	131972.0	1710.70	21.37
LTE/FDD66	1.40	16QAM	2.0	3	2	131972.0	1710.70	21.38

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD66	1.40	16QAM	2.0	6	0	131972.0	1710.70	20.32
LTE/FDD66	1.40	QPSK	0.0	1	0	132322.0	1745.00	22.05
LTE/FDD66	1.40	QPSK	0.0	1	2	132322.0	1745.00	22.16
LTE/FDD66	1.40	QPSK	0.0	1	5	132322.0	1745.00	22.13
LTE/FDD66	1.40	QPSK	1.0	3	0	132322.0	1745.00	22.05
LTE/FDD66	1.40	QPSK	1.0	3	1	132322.0	1745.00	22.18
LTE/FDD66	1.40	QPSK	1.0	3	2	132322.0	1745.00	22.10
LTE/FDD66	1.40	QPSK	1.0	6	0	132322.0	1745.00	21.14
LTE/FDD66	1.40	16QAM	1.0	1	0	132322.0	1745.00	21.34
LTE/FDD66	1.40	16QAM	1.0	1	2	132322.0	1745.00	21.29
LTE/FDD66	1.40	16QAM	1.0	1	5	132322.0	1745.00	21.23
LTE/FDD66	1.40	16QAM	2.0	3	0	132322.0	1745.00	21.19
LTE/FDD66	1.40	16QAM	2.0	3	1	132322.0	1745.00	21.21
LTE/FDD66	1.40	16QAM	2.0	3	2	132322.0	1745.00	21.15
LTE/FDD66	1.40	16QAM	2.0	6	0	132322.0	1745.00	20.24
LTE/FDD66	1.40	QPSK	0.0	1	0	132662.0	1779.30	22.16
LTE/FDD66	1.40	QPSK	0.0	1	2	132662.0	1779.30	22.15
LTE/FDD66	1.40	QPSK	0.0	1	5	132662.0	1779.30	22.14
LTE/FDD66	1.40	QPSK	1.0	3	0	132662.0	1779.30	22.20
LTE/FDD66	1.40	QPSK	1.0	3	1	132662.0	1779.30	22.12
LTE/FDD66	1.40	QPSK	1.0	3	2	132662.0	1779.30	22.20
LTE/FDD66	1.40	QPSK	1.0	6	0	132662.0	1779.30	21.15
LTE/FDD66	1.40	16QAM	1.0	1	0	132662.0	1779.30	21.32
LTE/FDD66	1.40	16QAM	1.0	1	2	132662.0	1779.30	21.35
LTE/FDD66	1.40	16QAM	1.0	1	5	132662.0	1779.30	21.30
LTE/FDD66	1.40	16QAM	2.0	3	0	132662.0	1779.30	21.28
LTE/FDD66	1.40	16QAM	2.0	3	1	132662.0	1779.30	21.25
LTE/FDD66	1.40	16QAM	2.0	3	2	132662.0	1779.30	21.28
LTE/FDD66	1.40	16QAM	2.0	6	0	132662.0	1779.30	20.17
LTE/FDD71	20.00	QPSK	1.0	100	0	133122	673	21.97
LTE/FDD71	20.00	QPSK	0.0	1	0	133122	673	22.17
LTE/FDD71	20.00	QPSK	0.0	1	49	133122	673	22.22
LTE/FDD71	20.00	QPSK	0.0	1	99	133122	673	21.53
LTE/FDD71	20.00	QPSK	1.0	50	0	133122	673	21.39

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD71	20.00	QPSK	1.0	50	24	133122	673	21.43
LTE/FDD71	20.00	QPSK	1.0	50	49	133122	673	21.13
LTE/FDD71	20.00	QPSK	1.0	100	0	133122	673	20.84
LTE/FDD71	20.00	QPSK	0.0	1	0	133122	673	20.91
LTE/FDD71	20.00	QPSK	0.0	1	49	133122	673	20.87
LTE/FDD71	20.00	QPSK	0.0	1	99	133122	673	19.72
LTE/FDD71	20.00	QPSK	1.0	50	0	133122	673	19.73
LTE/FDD71	20.00	QPSK	1.0	50	24	133122	673	19.78
LTE/FDD71	20.00	QPSK	1.0	50	49	133122	673	19.68
LTE/FDD71	20.00	QPSK	1.0	100	0	133297	680.5	22.1
LTE/FDD71	20.00	QPSK	1.0	100	0	133297	680.5	22.01
LTE/FDD71	20.00	QPSK	0.0	1	0	133297	680.5	21.99
LTE/FDD71	20.00	QPSK	0.0	1	49	133297	680.5	21.09
LTE/FDD71	20.00	QPSK	0.0	1	99	133297	680.5	21.07
LTE/FDD71	20.00	QPSK	1.0	50	0	133297	680.5	21.11
LTE/FDD71	20.00	QPSK	1.0	50	24	133297	680.5	21.2
LTE/FDD71	20.00	QPSK	1.0	50	49	133297	680.5	20.75
LTE/FDD71	20.00	QPSK	1.0	100	0	133297	680.5	20.81
LTE/FDD71	20.00	QPSK	0.0	1	0	133297	680.5	20.86
LTE/FDD71	20.00	QPSK	0.0	1	49	133297	680.5	19.76
LTE/FDD71	20.00	QPSK	0.0	1	99	133297	680.5	19.81
LTE/FDD71	20.00	QPSK	1.0	50	0	133297	680.5	19.78
LTE/FDD71	20.00	QPSK	1.0	50	24	133297	680.5	19.72
LTE/FDD71	20.00	QPSK	1.0	50	49	133471	688	21.95
LTE/FDD71	20.00	QPSK	1.0	100	0	133471	688	22.05
LTE/FDD71	20.00	QPSK	1.0	100	0	133471	688	22.03
LTE/FDD71	20.00	QPSK	0.0	1	0	133471	688	21.1
LTE/FDD71	20.00	QPSK	0.0	1	49	133471	688	21.12
LTE/FDD71	20.00	QPSK	0.0	1	99	133471	688	21.15
LTE/FDD71	20.00	QPSK	1.0	50	0	133471	688	20.99
LTE/FDD71	20.00	QPSK	1.0	50	24	133471	688	20.75
LTE/FDD71	20.00	QPSK	1.0	50	49	133471	688	20.85
LTE/FDD71	20.00	QPSK	1.0	100	0	133471	688	20.77

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD71	20.00	QPSK	0.0	1	0	133471	688	19.72
LTE/FDD71	20.00	QPSK	0.0	1	49	133471	688	19.7
LTE/FDD71	20.00	QPSK	0.0	1	99	133471	688	19.73
LTE/FDD71	20.00	QPSK	1.0	50	0	133471	688	19.69
LTE/FDD71	15.00	QPSK	0.0	1	0	133197	670.5	21.63
LTE/FDD71	15.00	QPSK	0.0	1	37	133197	670.5	21.67
LTE/FDD71	15.00	QPSK	0.0	1	74	133197	670.5	21.70
LTE/FDD71	15.00	QPSK	1.0	36	0	133197	670.5	20.64
LTE/FDD71	15.00	QPSK	1.0	36	18	133197	670.5	20.72
LTE/FDD71	15.00	QPSK	1.0	36	36	133197	670.5	20.70
LTE/FDD71	15.00	QPSK	1.0	75	0	133197	670.5	20.71
LTE/FDD71	15.00	16QAM	1.0	1	0	133197	670.5	20.84
LTE/FDD71	15.00	16QAM	1.0	1	37	133197	670.5	20.91
LTE/FDD71	15.00	16QAM	1.0	1	74	133197	670.5	20.87
LTE/FDD71	15.00	16QAM	2.0	36	0	133197	670.5	19.72
LTE/FDD71	15.00	16QAM	2.0	36	18	133197	670.5	19.73
LTE/FDD71	15.00	16QAM	2.0	36	36	133197	670.5	19.78
LTE/FDD71	15.00	16QAM	2.0	75	0	133197	670.5	19.68
LTE/FDD71	15.00	QPSK	0.0	1	0	133297	680.5	21.77
LTE/FDD71	15.00	QPSK	0.0	1	37	133297	680.5	21.79
LTE/FDD71	15.00	QPSK	0.0	1	74	133297	680.5	21.81
LTE/FDD71	15.00	QPSK	1.0	36	0	133297	680.5	20.73
LTE/FDD71	15.00	QPSK	1.0	36	18	133297	680.5	20.85
LTE/FDD71	15.00	QPSK	1.0	36	36	133297	680.5	20.83
LTE/FDD71	15.00	QPSK	1.0	75	0	133297	680.5	20.82
LTE/FDD71	15.00	16QAM	1.0	1	0	133297	680.5	20.98
LTE/FDD71	15.00	16QAM	1.0	1	37	133297	680.5	21.16
LTE/FDD71	15.00	16QAM	1.0	1	74	133297	680.5	21.02
LTE/FDD71	15.00	16QAM	2.0	36	0	133297	680.5	19.79
LTE/FDD71	15.00	16QAM	2.0	36	18	133297	680.5	19.95
LTE/FDD71	15.00	16QAM	2.0	36	36	133297	680.5	19.85
LTE/FDD71	15.00	16QAM	2.0	75	0	133297	680.5	19.84

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD71	15.00	QPSK	0.0	1	0	133397	690.5	21.72
LTE/FDD71	15.00	QPSK	0.0	1	37	133397	690.5	21.90
LTE/FDD71	15.00	QPSK	0.0	1	74	133397	690.5	21.62
LTE/FDD71	15.00	QPSK	1.0	36	0	133397	690.5	20.70
LTE/FDD71	15.00	QPSK	1.0	36	18	133397	690.5	20.75
LTE/FDD71	15.00	QPSK	1.0	36	36	133397	690.5	20.75
LTE/FDD71	15.00	QPSK	1.0	75	0	133397	690.5	20.71
LTE/FDD71	15.00	16QAM	1.0	1	0	133397	690.5	20.90
LTE/FDD71	15.00	16QAM	1.0	1	37	133397	690.5	21.03
LTE/FDD71	15.00	16QAM	1.0	1	74	133397	690.5	20.82
LTE/FDD71	15.00	16QAM	2.0	36	0	133397	690.5	19.77
LTE/FDD71	15.00	16QAM	2.0	36	18	133397	690.5	19.80
LTE/FDD71	15.00	16QAM	2.0	36	36	133397	690.5	19.82
LTE/FDD71	15.00	16QAM	2.0	75	0	133397	690.5	19.76
LTE/FDD71	10.00	QPSK	0.0	1	0	133172	668	21.63
LTE/FDD71	10.00	QPSK	0.0	1	24	133172	668	21.63
LTE/FDD71	10.00	QPSK	0.0	1	49	133172	668	21.66
LTE/FDD71	10.00	QPSK	1.0	25	0	133172	668	20.73
LTE/FDD71	10.00	QPSK	1.0	25	12	133172	668	20.74
LTE/FDD71	10.00	QPSK	1.0	25	24	133172	668	20.75
LTE/FDD71	10.00	QPSK	1.0	50	0	133172	668	20.73
LTE/FDD71	10.00	16QAM	1.0	1	0	133172	668	20.75
LTE/FDD71	10.00	16QAM	1.0	1	24	133172	668	20.81
LTE/FDD71	10.00	16QAM	1.0	1	49	133172	668	20.86
LTE/FDD71	10.00	16QAM	2.0	25	0	133172	668	19.76
LTE/FDD71	10.00	16QAM	2.0	25	12	133172	668	19.81
LTE/FDD71	10.00	16QAM	2.0	25	24	133172	668	19.78
LTE/FDD71	10.00	16QAM	2.0	50	0	133172	668	19.72
LTE/FDD71	10.00	QPSK	0.0	1	0	133297	680.5	21.74
LTE/FDD71	10.00	QPSK	0.0	1	24	133297	680.5	21.84
LTE/FDD71	10.00	QPSK	0.0	1	49	133297	680.5	21.78
LTE/FDD71	10.00	QPSK	1.0	25	0	133297	680.5	20.78

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD71	10.00	QPSK	1.0	25	12	133297	680.5	20.91
LTE/FDD71	10.00	QPSK	1.0	25	24	133297	680.5	20.88
LTE/FDD71	10.00	QPSK	1.0	50	0	133297	680.5	20.87
LTE/FDD71	10.00	16QAM	1.0	1	0	133297	680.5	20.86
LTE/FDD71	10.00	16QAM	1.0	1	24	133297	680.5	20.98
LTE/FDD71	10.00	16QAM	1.0	1	49	133297	680.5	20.92
LTE/FDD71	10.00	16QAM	2.0	25	0	133297	680.5	19.82
LTE/FDD71	10.00	16QAM	2.0	25	12	133297	680.5	19.97
LTE/FDD71	10.00	16QAM	2.0	25	24	133297	680.5	19.95
LTE/FDD71	10.00	16QAM	2.0	50	0	133297	680.5	19.89
LTE/FDD71	10.00	QPSK	0.0	1	0	133422	693	21.74
LTE/FDD71	10.00	QPSK	0.0	1	24	133422	693	21.78
LTE/FDD71	10.00	QPSK	0.0	1	49	133422	693	21.68
LTE/FDD71	10.00	QPSK	1.0	25	0	133422	693	20.76
LTE/FDD71	10.00	QPSK	1.0	25	12	133422	693	20.88
LTE/FDD71	10.00	QPSK	1.0	25	24	133422	693	20.84
LTE/FDD71	10.00	QPSK	1.0	50	0	133422	693	20.82
LTE/FDD71	10.00	16QAM	1.0	1	0	133422	693	20.87
LTE/FDD71	10.00	16QAM	1.0	1	24	133422	693	21.07
LTE/FDD71	10.00	16QAM	1.0	1	49	133422	693	20.88
LTE/FDD71	10.00	16QAM	2.0	25	0	133422	693	19.80
LTE/FDD71	10.00	16QAM	2.0	25	12	133422	693	19.85
LTE/FDD71	10.00	16QAM	2.0	25	24	133422	693	19.86
LTE/FDD71	10.00	16QAM	2.0	50	0	133422	693	19.86
LTE/FDD71	5.0	QPSK	0.0	1	0	133147	665.5	21.68
LTE/FDD71	5.0	QPSK	0.0	1	12	133147	665.5	21.74
LTE/FDD71	5.0	QPSK	0.0	1	24	133147	665.5	21.64
LTE/FDD71	5.0	QPSK	1.0	12	0	133147	665.5	20.69
LTE/FDD71	5.0	QPSK	1.0	12	6	133147	665.5	20.70
LTE/FDD71	5.0	QPSK	1.0	12	11	133147	665.5	20.69
LTE/FDD71	5.0	QPSK	1.0	25	0	133147	665.5	20.70
LTE/FDD71	5.0	16QAM	1.0	1	0	133147	665.5	20.75

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD71	5.0	16QAM	1.0	1	12	133147	665.5	20.85
LTE/FDD71	5.0	16QAM	1.0	1	24	133147	665.5	20.77
LTE/FDD71	5.0	16QAM	2.0	12	0	133147	665.5	19.72
LTE/FDD71	5.0	16QAM	2.0	12	6	133147	665.5	19.70
LTE/FDD71	5.0	16QAM	2.0	12	11	133147	665.5	19.73
LTE/FDD71	5.0	16QAM	2.0	25	0	133147	665.5	19.69
LTE/FDD71	5.0	QPSK	0.0	1	0	133297	680.5	21.92
LTE/FDD71	5.0	QPSK	0.0	1	12	133297	680.5	21.97
LTE/FDD71	5.0	QPSK	0.0	1	24	133297	680.5	21.83
LTE/FDD71	5.0	QPSK	1.0	12	0	133297	680.5	20.81
LTE/FDD71	5.0	QPSK	1.0	12	6	133297	680.5	20.88
LTE/FDD71	5.0	QPSK	1.0	12	11	133297	680.5	20.85
LTE/FDD71	5.0	QPSK	1.0	25	0	133297	680.5	20.81
LTE/FDD71	5.0	16QAM	1.0	1	0	133297	680.5	20.90
LTE/FDD71	5.0	16QAM	1.0	1	12	133297	680.5	21.01
LTE/FDD71	5.0	16QAM	1.0	1	24	133297	680.5	20.89
LTE/FDD71	5.0	16QAM	2.0	12	0	133297	680.5	19.73
LTE/FDD71	5.0	16QAM	2.0	12	6	133297	680.5	19.79
LTE/FDD71	5.0	16QAM	2.0	12	11	133297	680.5	19.80
LTE/FDD71	5.0	16QAM	2.0	25	0	133297	680.5	19.88
LTE/FDD71	5.0	QPSK	0.0	1	0	133447	695.5	21.75
LTE/FDD71	5.0	QPSK	0.0	1	12	133447	695.5	21.80
LTE/FDD71	5.0	QPSK	0.0	1	24	133447	695.5	21.70
LTE/FDD71	5.0	QPSK	1.0	12	0	133447	695.5	20.75
LTE/FDD71	5.0	QPSK	1.0	12	6	133447	695.5	20.76
LTE/FDD71	5.0	QPSK	1.0	12	11	133447	695.5	20.80
LTE/FDD71	5.0	QPSK	1.0	25	0	133447	695.5	20.71
LTE/FDD71	5.0	16QAM	1.0	1	0	133447	695.5	20.99
LTE/FDD71	5.0	16QAM	1.0	1	12	133447	695.5	20.89
LTE/FDD71	5.0	16QAM	1.0	1	24	133447	695.5	20.90
LTE/FDD71	5.0	16QAM	2.0	12	0	133447	695.5	19.86
LTE/FDD71	5.0	16QAM	2.0	12	6	133447	695.5	19.87

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD71	5.0	16QAM	2.0	12	11	133447	695.5	19.92
LTE/FDD71	5.0	16QAM	2.0	25	0	133447	695.5	19.75

LTE Notes:

1. LTE MPR is permanently implemented for the device. A-MPR was disabled for all SAR tests. The following power reductions are used for higher RB allocations and 16-QAM modulation:

Modulation	Channel bandwidth / Transmission bandwidth configuration [RB]						MPR (dB)
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2

2. Measurements for not measured LTE configurations are not required due to the SAR test procedures mentioned in FCC OET KDB 941225 D05 – SAR for LTE Devices v02r05.
3. According to KDB941225 D05 SAR for LTE Devices, for LTE bands that do not support at least three non-overlapping channels in certain channel bandwidths, the middle channel of the group of overlapping channels should be selected for testing.
4. LTE TDD measurements were performed with CMW LTE TDD options “Uplink Downlink Configuration” set to “0” and “Special Subframe” set to “7” to transmit with the maximum uplink duty cycle.
5. Bands with overlapping frequency:

LTE B2

SAR for LTE Band 2 has not been measured because it is covered by LTE Band 25 due to overlapping frequency range (LTE Band 2 frequency range: 1850 – 1910 MHz, LTE Band 25 frequency range: 1850 – 1915 MHz) and same maximum tune-up and channel bandwidth.

- **LTE B4**

SAR for LTE Band 4 has not been measured because it is covered by LTE Band 66 due to overlapping frequency range (LTE Band 4 frequency range: 1710 – 1755 MHz, LTE Band 66 frequency range: 1710 – 1780 MHz) and same maximum tune-up and channel bandwidth.

- **LTE B4**

SAR for LTE Band 4 has not been measured because it is covered by LTE Band 10 due to overlapping frequency range (LTE Band 4 frequency range: 1710 – 1755 MHz, LTE Band 10 frequency range: 1710 – 1770 MHz) and same maximum tune-up and channel bandwidth.

- **LTE B5**

SAR for LTE Band 5 has not been measured because it is covered by LTE Band 26 due to overlapping frequency range (LTE Band 5 frequency range: 824 – 849 MHz, LTE Band 26 frequency range: 814 – 849 MHz) and same maximum tune-up and channel bandwidth.

- **LTE B10**

SAR for LTE Band 10 has not been measured because it is covered by LTE Band 66 due to overlapping frequency range (LTE Band 10 frequency range: 1710 – 1770 MHz, LTE Band 66 frequency range: 1710 – 1780 MHz) and same maximum tune-up and channel bandwidth.

- **LTE B17**

SAR for LTE Band 17 has not been measured because it is covered by LTE Band 12 due to overlapping frequency range ((LTE Band 17 frequency range: 704 – 716 MHz, LTE Band 12 frequency range: 699 – 716 MHz) and same maximum tune-up and channel bandwidth

2.3.1. LTE CA Downlink

Covered by higher CA combination
Measurement needed

DL 2CA	
Combination	UL Band
CA_2A-2A	FDD2
CA_2C	FDD2
CA_2A-4A	FDD2
CA_2A-5A	FDD2
CA_2A-7A	FDD2
CA_2A-12A	FDD2
CA_2A-13A	FDD2
CA_2A-14A	FDD2
CA_2A-17A	FDD2
CA_2A-66A	FDD2
CA_2A-71A	FDD2
CA_4A-2A	FDD4
CA_4A-4A	FDD4
CA_4A-5A	FDD4
CA_4A-7A	FDD4
CA_4A-12A	FDD4
CA_4A-13A	FDD4
CA_4A-17A	FDD4
CA_4A-71A	FDD4
CA_5A-2A	FDD5
CA_5A-4A	FDD5
CA_5A-5A	FDD5
CA_5B	FDD5
CA_5A-7A	FDD5
CA_5A-12A	FDD5
CA_5A-13A	FDD5
CA_5A-17A	FDD5
CA_5A-25A	FDD5
CA_5A-38A	FDD5

DL 3CA	
Combination	**UL Band**
CA_2A-2A-4A	FDD2
CA_2A-2A-5A	FDD2
CA_2C-5A	FDD2
CA_2A-2A-7A	FDD2
CA_2A-2A-12A	FDD2
CA_2C-12A	FDD2
CA_2A-2A-13A	FDD2
CA_2A-2A-14A	FDD2
CA_2A-2A-66A	FDD2
CA_2C-66A	FDD2
CA_2A-2A-71A	FDD2
CA_2A-4A-4A	FDD2
CA_2A-4A-5A	FDD2
CA_2A-4A-7A	FDD2
CA_2A-4A-12A	FDD2
CA_2A-4A-13A	FDD2
CA_2A-4A-71A	FDD2
CA_2A-5A-5A	FDD2
CA_2A-5B	FDD2
CA_2A-5A-7A	FDD2
CA_2A-5A-12A	FDD2
CA_2A-5A-13A	FDD2
CA_2A-5A-66A	FDD2
CA_2A-7A-7A	FDD2
CA_2A-7C	FDD2
CA_2A-7A-12A	FDD2
CA_2A-7A-13A	FDD2
CA_2A-7A-66A	FDD2
CA_2A-12B	FDD2

DL 4CA	
Combination	**UL Band**
CA_2A-2A-4A-4A	FDD2
CA_2A-2A-4A-5A	FDD2
CA_2A-2A-4A-12A	FDD2
CA_2A-2A-4A-71A	FDD2
CA_2A-2A-5B	FDD2
CA_2A-2A-5A-12A	FDD2
CA_2C-5A-12A	FDD2
CA_2A-2A-5A-66A	FDD2
CA_2A-2A-7A-12A	FDD2
CA_2A-2A-7A-66A	FDD2
CA_2A-2A-12B	FDD2
CA_2A-2A-12A-66A	FDD2
CA_2A-2A-13A-66A	FDD2
CA_2A-2A-14A-66A	FDD2
CA_2A-2A-66A-66A	FDD2
CA_2A-2A-66B	FDD2
CA_2A-2A-66C	FDD2
CA_2C-66A-66A	FDD2
CA_2A-2A-66A-71A	FDD2
CA_2A-4A-4A-4A	FDD2
CA_2A-4A-4A-5A	FDD2
CA_2A-4A-4A-12A	FDD2
CA_2A-4A-5B	FDD2
CA_2A-4A-5A-12A	FDD2
CA_2A-4A-7A-7A	FDD2
CA_2A-4A-7C	FDD2

DL 5CA	
Combination	UL Band
CA_2A-2A-5A-66A-66A	FDD2
CA_2A-2A-5A-66B	FDD2
CA_2A-2A-5A-66C	FDD2
CA_2A-2A-7A-12A-66A	FDD2
CA_2A-2A-7A-66A-66A	FDD2
CA_2A-2A-12B-66A	FDD2
CA_2A-2A-12A-66A-66A	FDD2
CA_2A-2A-13A-66A-66A	FDD2
CA_2A-2A-13A-66B	FDD2
CA_2A-2A-14A-66A-66A	FDD2
CA_2A-5A-5A-66A-66A	FDD2
CA_2A-5B-66A-66A	FDD2
CA_2A-5B-66B	FDD2
CA_2A-5B-66C	FDD2
CA_2A-5A-7A-7A-66A	FDD2
CA_2A-7A-7A-13A-66A	FDD2
CA_2A-7A-7A-66A-66A	FDD2
CA_2A-7C-66A-66A	FDD2
CA_2A-12B-66A-66A	FDD2
CA_2A-13A-66A-66B	FDD2

CA_5A-41A	FDD5
CA_5A-66A	FDD5
CA_7A-7A	FDD7
CA_7B	FDD7
CA_7C	FDD7
CA_7A-8A	FDD7
CA_7A-12A	FDD7
CA_7A-13A	FDD7
CA_7A-25A	FDD7
CA_7A-26A	FDD7
CA_7A-66A	FDD7
CA_12A-2A	FDD12
CA_12A-4A	FDD12
CA_12B	FDD12
CA_12A-25A	FDD12
CA_12A-66A	FDD12
CA_13A-2A	FDD13
CA_13A-4A	FDD13
CA_13A-66A	FDD13
CA_14A-66A	FDD14
CA_17A-2A	FDD17
CA_17A-4A	FDD17
CA_17A-66A	FDD17
CA_25A-25A	FDD25
CA_25A-26A	FDD25
CA_25A-41A	FDD25
CA_25A-66A	FDD25
CA_26A-25A	FDD26
CA_26A-41A	FDD26
CA_38C	TDD38
CA_41A-25A	TDD41
CA_41A-26A	TDD41
CA_41A-41A	TDD41
CA_41C	TDD41
CA_66A-2A	FDD66
CA_66A-5A	FDD66
CA_66A-12A	FDD66
CA_66A-13A	FDD66
CA_66A-17A	FDD66
CA_66A-66A	FDD66
CA_66B	FDD66
CA_66C	FDD66
CA_66A-71A	FDD66

CA_2A-12A-66A	FDD2
CA_2A-13A-66A	FDD2
CA_2A-14A-66A	FDD2
CA_2A-66A-66A	FDD2
CA_2A-66B	FDD2
CA_2A-66C	FDD2
CA_2A-66A-71A	FDD2
CA_4A-2A-2A	FDD4
CA_4A-2A-4A	FDD4
CA_4A-2A-5A	FDD4
CA_4A-2A-12A	FDD4
CA_4A-2A-13A	FDD4
CA_4A-4A-2A	FDD4
CA_4A-4A-5A	FDD4
CA_4A-4A-7A	FDD4
CA_4A-4A-12A	FDD4
CA_4A-4A-13A	FDD4
CA_4A-4A-71A	FDD4
CA_4A-5B	FDD4
CA_4A-5A-12A	FDD4
CA_4A-5A-13A	FDD4
CA_4A-7A-7A	FDD4
CA_4A-7C	FDD4
CA_4A-7A-12A	FDD4
CA_4A-7A-13A	FDD4
CA_4A-12B	FDD4
CA_5A-2A-4A	FDD5
CA_5A-2A-66A	FDD5
CA_5A-4A-2A	FDD5
CA_5A-5A-66A	FDD5
CA_5B-66A	FDD5
CA_5A-7A-7A	FDD5
CA_5A-7C	FDD5
CA_5A-7A-66A	FDD5
CA_5A-66A-66A	FDD5
CA_5A-66B	FDD5
CA_5A-66C	FDD5
CA_7A-7A-13A	FDD7
CA_7C-13A	FDD7
CA_7A-7A-25A	FDD7
CA_7A-7A-26A	FDD7
CA_7A-7A-66A	FDD7
CA_7C-66A	FDD7
CA_7A-12A-66A	FDD7
CA_7A-13A-66A	FDD7

CA_2A-4A-7A-12A	FDD2
CA_2A-4A-12B	FDD2
CA_2A-5A-5A-66A	FDD2
CA_2A-5B-66A	FDD2
CA_2A-5A-7A-7A	FDD2
CA_2A-5A-7C	FDD2
CA_2A-5A-7A-66A	FDD2
CA_2A-5A-12B	FDD2
CA_2A-5A-66A-66A	FDD2
CA_2A-5A-66B	FDD2
CA_2A-5A-66C	FDD2
CA_2A-7A-7A-13A	FDD2
CA_2A-7C-13A	FDD2
CA_2A-7A-7A-66A	FDD2
CA_2A-7C-66A	FDD2
CA_2A-7A-12A-66A	FDD2
CA_2A-7A-13A-66A	FDD2
CA_2A-7A-66A-66A	FDD2
CA_2A-12B-66A	FDD2
CA_2A-12A-66A-66A	FDD2
CA_2A-12A-66C	FDD2
CA_2A-13A-66A-66A	FDD2
CA_2A-13A-66B	FDD2
CA_2A-13A-66C	FDD2
CA_2A-14A-66A-66A	FDD2
CA_2A-66A-66A-66A	FDD2
CA_2A-66A-66B	FDD2
CA_2A-66A-66C	FDD2
CA_2A-66A-66A-71A	FDD2
CA_2A-66C-71A	FDD2
CA_4A-4A-5B	FDD4
CA_4A-4A-7A-13A	FDD4
CA_4A-4A-12B	FDD4
CA_5A-5A-66A-66A	FDD5
CA_5A-5A-66B	FDD5
CA_5A-5A-66C	FDD5
CA_5B-66A-66A	FDD5
CA_5B-66B	FDD5
CA_5B-66C	FDD5

CA_2A-14A-66A-66A-66A	FDD2
CA_5A-7C-66A-66A	FDD5
CA_25A-25A-41D	FDD25
CA_41C-41D	TDD41
CA_41F	TDD41

CA_7A-25A-66A	FDD7
CA_7A-66A-66A	FDD7
CA_12A-2A-2A	FDD12
CA_12A-2A-4A	FDD12
CA_12A-2A-66A	FDD12
CA_12A-4A-4A	FDD12
CA_12B-66A	FDD12
CA_12A-66A-66A	FDD12
CA_12A-66C	FDD12
CA_13A-2A-4A	FDD13
CA_13A-2A-66A	FDD13
CA_13A-4A-2A	FDD13
CA_13A-66A-66A	FDD13
CA_13A-66B	FDD13
CA_13A-66C	FDD13
CA_25A-25A-26A	FDD25
CA_25A-25A-41A	FDD25
CA_25A-41C	FDD25
CA_26A-41C	FDD26
CA_41A-41C	TDD41
CA_41C-41A	TDD41
CA_41D	TDD41
CA_66A-2A-2A	FDD66
CA_66A-2A-5A	FDD66
CA_66A-2A-12A	FDD66
CA_66A-2A-13A	FDD66
CA_66A-2A-66A	FDD66
CA_66A-12A-66A	FDD66
CA_66A-66A-66A	FDD66
CA_66A-66B	FDD66
CA_66A-66C	FDD66
CA_66D	FDD66
CA_66A-66A-71A	FDD66
CA_66C-71A	FDD66

CA_5A-7A-7A-66A	FDD5
CA_5A-7C-66A	FDD5
CA_5A-7A-66A-66A	FDD5
CA_5A-66A-66B	FDD5
CA_5A-66A-66C	FDD5
CA_7A-7A-13A-66A	FDD7
CA_7A-7A-25A-66A	FDD7
CA_7A-7A-66A-66A	FDD7
CA_7C-66A-66A	FDD7
CA_7A-13A-66A-66A	FDD7
CA_12B-66A-66A	FDD12
CA_13A-66A-66A-66A	FDD13
CA_13A-66A-66B	FDD13
CA_13A-66A-66C	FDD13
CA_25A-25A-41C	FDD25
CA_25A-41D	FDD25
CA_41A-41D	TDD41
CA_41C-41C	TDD41
CA_41E	TDD41
CA_2A-2A-4A-4A	FDD2
CA_2A-2A-4A-5A	FDD2
CA_2A-2A-4A-12A	FDD2
CA_2A-2A-4A-71A	FDD2
CA_2A-2A-5B	FDD2
CA_2A-2A-5A-12A	FDD2
CA_2C-5A-12A	FDD2
CA_2A-2A-5A-66A	FDD2
CA_2A-2A-7A-12A	FDD2
CA_2A-2A-7A-66A	FDD2
CA_2A-2A-12B	FDD2
CA_2A-2A-12A-66A	FDD2
CA_2A-2A-13A-66A	FDD2
CA_2A-2A-14A-66A	FDD2
CA_2A-2A-66A-66A	FDD2
CA_2A-2A-66B	FDD2

			CA_2A-2A-66C	FDD2	
			CA_2C-66A-66A	FDD2	
			CA_2A-2A-66A-71A	FDD2	
			CA_2A-4A-4A-4A	FDD2	
			CA_2A-4A-4A-5A	FDD2	
			CA_2A-4A-4A-12A	FDD2	
			CA_2A-4A-5B	FDD2	
			CA_2A-4A-5A-12A	FDD2	
			CA_2A-4A-7A-7A	FDD2	
			CA_2A-4A-7C	FDD2	
			CA_2A-4A-7A-12A	FDD2	
			CA_2A-4A-12B	FDD2	
			CA_2A-5A-5A-66A	FDD2	
			CA_2A-5B-66A	FDD2	
			CA_2A-5A-7A-7A	FDD2	
			CA_2A-5A-7C	FDD2	
			CA_2A-5A-7A-66A	FDD2	
			CA_2A-5A-12B	FDD2	
			CA_2A-5A-66A-66A	FDD2	
			CA_2A-5A-66B	FDD2	
			CA_2A-5A-66C	FDD2	
			CA_2A-7A-7A-13A	FDD2	
			CA_2A-7C-13A	FDD2	
			CA_2A-7A-7A-66A	FDD2	
			CA_2A-7C-66A	FDD2	
			CA_2A-7A-12A-66A	FDD2	
			CA_2A-7A-13A-66A	FDD2	
			CA_2A-7A-66A-66A	FDD2	
			CA_2A-12B-66A	FDD2	
			CA_2A-12A-66A-66A	FDD2	
			CA_2A-12A-66C	FDD2	
			CA_2A-13A-66A-66A	FDD2	
			CA_2A-13A-66B	FDD2	
			CA_2A-13A-66C	FDD2	
			CA_2A-14A-66A-66A	FDD2	
			CA_2A-66A-66A-66A	FDD2	
			CA_2A-66A-66B	FDD2	
			CA_2A-66A-66C	FDD2	
			CA_2A-66A-66A-71A	FDD2	

		CA_2A-66C-71A	FDD2	
		CA_4A-4A-5B	FDD4	
		CA_4A-4A-7A-13A	FDD4	
		CA_4A-4A-12B	FDD4	
		CA_5A-5A-66A-66A	FDD5	
		CA_5A-5A-66B	FDD5	
		CA_5A-5A-66C	FDD5	
		CA_5B-66A-66A	FDD5	
		CA_5B-66B	FDD5	
		CA_5B-66C	FDD5	
		CA_5A-7A-7A-66A	FDD5	
		CA_5A-7C-66A	FDD5	
		CA_5A-7A-66A-66A	FDD5	
		CA_5A-66A-66B	FDD5	
		CA_5A-66A-66C	FDD5	
		CA_7A-7A-13A-66A	FDD7	
		CA_7A-7A-25A-66A	FDD7	
		CA_7A-7A-66A-66A	FDD7	
		CA_7C-66A-66A	FDD7	
		CA_7A-13A-66A-66A	FDD7	
		CA_12B-66A-66A	FDD12	
		CA_13A-66A-66A-66A	FDD13	
		CA_13A-66A-66B	FDD13	
		CA_13A-66A-66C	FDD13	
		CA_25A-25A-41C	FDD25	
		CA_25A-41D	FDD25	
		CA_41A-41D	TDD41	
		CA_41C-41C	TDD41	
		CA_41E	TDD41	

Following KDB 941225 D05A LTE Rel.10 KDB Inquiry Sheet v01r02, output power measurements have been performed to qualify for UL SAR test exclusion using the configuration with the larges aggregated BW.

Uplink maximum output power is measured with downlink carrier aggregation active, only for the channel with highest measured maximum output power when downlink carrier aggregation is inactive to check if with the DL CA active the maximum output power remains within the tune-up tolerance limits and/or the maximum output power increases less than 0.25 dB.

DL 5CA																					
Combination	UL Band	PCC (dBm)	PCC+SCCs (dBm)	Delta	Aggr. BW	PCC1				SCC1			SCC2			SCC3			SCC4		
						BW	CH	FREQ	RB	BW	CH	FREQ	BW	CH	FREQ	BW	CH	FREQ	BW	CH	FREQ
CA_2A-2A-5A-66A-66A	FDD2	21.87																			
CA_2A-2A-5A-66A-66A	FDD5	21.38																			
CA_2A-2A-5A-66A-66A	FDD66	22.36	22.34	-0.02	90	20	132072	1720	1 Rb High	20	700	1940	20	1100	1980	10	2525	881.5	20	67036	2170
CA_2A-2A-5A-66B	FDD2	21.87																			
CA_2A-2A-5A-66B	FDD5	21.38																			
CA_2A-2A-5A-66B	FDD66	22.24	22.21	-0.03	70	10	132022	1715	1 Rb High	20	700	1940	20	1100	1980	10	2525	881.5	10	66585	2124.9
CA_2A-2A-5A-66C	FDD2	21.87																			
CA_2A-2A-5A-66C	FDD5	21.38																			
CA_2A-2A-5A-66C	FDD66	22.36	22.35	-0.01	90	20	132072	1720	1 Rb High	20	700	1940	20	1100	1980	10	2525	881.5	20	66734	2139.8
CA_2A-2A-7A-12A-66A	FDD2	21.87																			
CA_2A-2A-7A-12A-66A	FDD7	21.6																			
CA_2A-2A-7A-12A-66A	FDD12	22.17																			
CA_2A-2A-7A-12A-66A	FDD66	22.36	22.33	-0.03	90	20	132072	1720	1 Rb High	20	700	1940	20	1100	1980	20	3100	2655	10	5095	737.5
CA_2A-2A-7A-66A-66A	FDD2	21.87																			
CA_2A-2A-7A-66A-66A	FDD7	21.6																			
CA_2A-2A-7A-66A-66A	FDD66	22.36	22.3	-0.06	100	20	132072	1720	1 Rb High	20	700	1940	20	1100	1980	20	3100	2655	20	67036	2170
CA_2A-2A-12B-66A	FDD2	21.87																			
CA_2A-2A-12B-66A	FDD12	22.17																			
CA_2A-2A-12B-66A	FDD66	22.36	22.34	-0.02	75	20	132072	1720	1 Rb High	20	700	1940	20	1100	1980	5	5038	731.8	10	5110	739
CA_2A-2A-12A-66A-66A	FDD2	21.87																			
CA_2A-2A-12A-66A-66A	FDD12	22.17																			
CA_2A-2A-12A-66A-66A	FDD66	22.36	22.33	-0.03	100	20	132072	1720	1 Rb High	20	700	1940	20	1100	1980	20	3100	2655	20	67036	2170
CA_2A-2A-13A-66A-66A	FDD2	21.87																			

DL 5CA																					
Combination	UL Band	PCC (dBm)	PCC+SCCs (dBm)	Delta	Aggr. BW	PCC1				SCC1			SCC2			SCC3			SCC4		
						BW	CH	FREQ	RB	BW	CH	FREQ	BW	CH	FREQ	BW	CH	FREQ	BW	CH	FREQ
CA_2A-2A-13A-66A-66A	FDD13	21.63																			
CA_2A-2A-13A-66A-66A	FDD66	22.36	22.34	-0.02	90	20	132072	1720	1 Rb High	20	700	1940	20	1100	1980	10	5230	751	20	67036	2170
CA_2A-2A-13A-66B	FDD2	21.87																			
CA_2A-2A-13A-66B	FDD13	21.63																			
CA_2A-2A-13A-66B	FDD66	22.24	22.21	-0.03	70	10	132022	1715	1 Rb High	20	700	1940	20	1100	1980	10	5230	751	10	66585	2124.9
CA_2A-2A-14A-66A-66A	FDD2	21.87																			
CA_2A-2A-14A-66A-66A	FDD14	21.36																			
CA_2A-2A-14A-66A-66A	FDD66	22.36	22.31	-0.05	90	20	132072	1720	1 Rb High	20	700	1940	20	1100	1980	10	5330	763	20	67036	2170
CA_2A-5A-5A-66A-66A	FDD2	21.87																			
CA_2A-5A-5A-66A-66A	FDD5	21.38																			
CA_2A-5A-5A-66A-66A	FDD66	22.36	22.34	-0.02	80	20	132072	1720	1 Rb High	20	700	1940	10	2450	874	10	2600	889	20	67036	2170
CA_2A-5B-66A-66A	FDD2	21.87																			
CA_2A-5B-66A-66A	FDD5	21.38																			
CA_2A-5B-66A-66A	FDD66	22.36	22.3	-0.06	80	20	132072	1720	1 Rb High	20	700	1940	10	2501	879.1	10	2600	889	20	67036	2170
CA_2A-5B-66B	FDD2	21.87																			
CA_2A-5B-66B	FDD5	21.38																			
CA_2A-5B-66B	FDD66	22.24	22.2	-0.04	60	10	132022	1715	1 Rb High	20	700	1940	10	2501	879.1	10	2600	889	10	66585	2124.9
CA_2A-5B-66C	FDD2	21.87																			
CA_2A-5B-66C	FDD5	21.38																			
CA_2A-5B-66C	FDD66	22.36	22.29	-0.07	80	20	132072	1720	1 Rb High	20	700	1940	10	2501	879.1	10	2600	889	20	66734	2139.8
CA_2A-5A-7A-7A-66A	FDD2	21.87																			
CA_2A-5A-7A-7A-66A	FDD5	21.38																			
CA_2A-5A-7A-7A-66A	FDD7	21.6																			
CA_2A-5A-7A-7A-66A	FDD66	22.36	22.28	-0.08	80	20	132072	1720	1 Rb High	20	700	1940	10	2525	881.5	20	3100	2655	10	3400	2685
CA_2A-7A-7A-13A-66A	FDD2	21.87																			
CA_2A-7A-7A-13A-66A	FDD7	21.6																			
CA_2A-7A-7A-13A-66A	FDD13	21.63																			
CA_2A-7A-7A-13A-66A	FDD66	22.36	22.33	-0.03	80	20	132072	1720	1 Rb High	20	700	1940	20	3100	2655	10	3400	2685	10	5230	751

DL 5CA																					
Combination	UL Band	PCC (dBm)	PCC+SCCs (dBm)	Delta	Aggr. BW	PCC1				SCC1			SCC2			SCC3			SCC4		
						BW	CH	FREQ	RB	BW	CH	FREQ	BW	CH	FREQ	BW	CH	FREQ	BW	CH	FREQ
CA_2A-7A-7A-66A-66A	FDD2	21.87																			
CA_2A-7A-7A-66A-66A	FDD7	21.6																			
CA_2A-7A-7A-66A-66A	FDD66	22.36	22.34	-0.02	90	20	132072	1720	1 Rb High	20	700	1940	20	3100	2655	10	3400	2685	20	67036	2170
CA_2A-7C-66A-66A	FDD2	21.87																			
CA_2A-7C-66A-66A	FDD7	21.6																			
CA_2A-7C-66A-66A	FDD66	22.36	22.35	-0.01	100	20	132072	1720	1 Rb High	20	700	1940	20	3001	2645.1	20	3199	2664.9	20	67036	2170
CA_2A-12B-66A-66A	FDD2	21.87																			
CA_2A-12B-66A-66A	FDD12	22.17																			
CA_2A-12B-66A-66A	FDD66	22.36	22.32	-0.04	85	20	132072	1720	1 Rb High	20	700	1940	20	1100	1980	5	5038	731.8	20	67036	2170
CA_2A-13A-66A-66B	FDD2	21.87																			
CA_2A-13A-66A-66B	FDD13	21.63																			
CA_2A-13A-66A-66B	FDD66	22.36	22.3	-0.06	70	20	132072	1720	1 Rb High	20	700	1940	10	5230	751	10	66486	2115	10	66585	2124.9
CA_2A-14A-66A-66A-66A	FDD2	21.87																			
CA_2A-14A-66A-66A-66A	FDD14	21.36																			
CA_2A-14A-66A-66A-66A	FDD66	22.36	22.34	-0.02	90	20	132072	1720	1 Rb High	20	700	1940	10	5330	763	20	66886	2155	20	67236	2190
CA_5A-7C-66A-66A	FDD5	21.38																			
CA_5A-7C-66A-66A	FDD7	21.6																			
CA_5A-7C-66A-66A	FDD66	22.36	22.33	-0.03	90	20	132072	1720	1 Rb High	10	2525	881.5	20	3001	2645.1	20	3199	2664.9	20	67036	2170
CA_25A-25A-41D	FDD25	22.01	21.99	-0.02	100	20	26140	1860	1 Rb High	20	8590	1985	20	40422	2573.2	20	40620	2593	20	40818	2612
CA_25A-25A-41D	FDD41	21.88																			
CA_41C-41D	TDD41	21.88	21.87	-0.01	100	20	40620	2593	1 Rb Mid	20	40719	2602.9	20	40422	2573.2	20	40620	2593	20	40818	2612
CA_41F	TDD41	21.88	21.84	-0.04	100	20	40620	2593	1 Rb Mid	20	40224	2553.4	20	40422	2573.2	20	40818	2612.8	20	41016	2632.6

DL 4CA																		
Combination	UL Band	PCC (dBm)	PCC+SCCs (dBm)	Delta	Aggr. BW	PCC1				SCC1			SCC2			SCC3		
						BW	CH	FREQ	RB	BW	CH	FREQ	BW	CH	FREQ	BW	CH	FREQ
CA_2A-2A-4A-4A	FDD2	21.87																
CA_2A-2A-4A-4A	FDD4	22.48	22.45	-0.03	80	20	20050	1720	1 Rb Mid	20	700	1940	20	1100	1980	20	2300	2145
CA_2A-2A-4A-5A	FDD2	21.87																
CA_2A-2A-4A-5A	FDD4	22.48	22.41	-0.07	70	20	20175	1732.5	1 Rb Mid	20	700	1940	20	1100	1980	10	2525	881.5
CA_2A-2A-4A-5A	FDD5	21.38																
CA_2A-2A-4A-12A	FDD2	21.87																
CA_2A-2A-4A-12A	FDD4	22.48	22.45	-0.03	70	20	20175	1732.5	1 Rb Mid	20	700	1940	20	1100	1980	10	5095	737.5
CA_2A-2A-4A-12A	FDD12	22.17																
CA_2A-2A-4A-71A	FDD2	21.87																
CA_2A-2A-4A-71A	FDD4	22.48	22.46	-0.02	80	20	20175	1732.5	1 Rb Mid	20	700	1940	20	1100	1980	20	68686	627
CA_2A-2A-4A-71A	FDD71	22.22																
CA_2A-2A-5B	FDD2	21.87	21.82	-0.05	60	20	18700	1860	1 Rb Low	20	1100	1980	10	2501	879.1	10	2600	889
CA_2A-2A-5B	FDD5	21.38																
CA_2A-2A-5A-12A	FDD2	21.87																
CA_2A-2A-5A-12A	FDD5	21.38																
CA_2A-2A-5A-12A	FDD12	22.17	22.14	-0.03	60	10	23095	707.5	1 Rb Low	20	700	1940	20	1100	1980	10	2525	881.5
CA_2C-5A-12A	FDD2	21.87																
CA_2C-5A-12A	FDD5	21.38																
CA_2C-5A-12A	FDD12	22.17	22.15	-0.02	60	10	23095	707.5	1 Rb Low	20	700	1940	20	898	1959.8	10	2525	881.5
CA_2C-66A-66A	FDD2	21.87																
CA_2C-66A-66A	FDD66	22.36	22.31	-0.05	80	20	132072	1720	1 Rb High	20	700	1940	20	898	1959.8	20	66786	2145
CA_2A-2A-66A-71A	FDD2	21.87																
CA_2A-2A-66A-71A	FDD66	22.36	22.32	-0.04	80	20	132072	1720	1 Rb High	20	700	1940	20	1100	1980	20	68686	627
CA_2A-2A-66A-71A	FDD71	22.22																
CA_2A-4A-4A-4A	FDD2	21.87																
CA_2A-4A-4A-4A	FDD4	22.48	22.46	-0.02	80	20	20175	1732.5	1 Rb Mid	20	2050	2120	20	2300	2145	20	700	1940
CA_2A-4A-4A-5A	FDD2	21.87																

DL 4CA																		
Combination	UL Band	PCC (dBm)	PCC+SCCs (dBm)	Delta	Aggr. BW	PCC1				SCC1			SCC2			SCC3		
						BW	CH	FREQ	RB	BW	CH	FREQ	BW	CH	FREQ	BW	CH	FREQ
CA_2A-4A-4A-5A	FDD4	22.48	22.42	-0.06	80	20	20050	1720	1 Rb Mid	20	2300	2145	20	700	1940	20	2300	2145
CA_2A-4A-4A-5A	FDD5	21.38																
CA_2A-4A-4A-12A	FDD2	21.87																
CA_2A-4A-4A-12A	FDD4	22.48	22.44	-0.04	70	20	20050	1720	1 Rb Mid	20	2300	2145	20	700	1940	10	2525	881.5
CA_2A-4A-4A-12A	FDD12	22.17																
CA_2A-4A-5B	FDD2	21.87																
CA_2A-4A-5B	FDD4	22.48	22.47	-0.01	60	20	20050	1720	1 Rb Mid	20	700	1940	10	2476	876.6	10	2575	886.5
CA_2A-4A-5B	FDD5	21.38																
CA_2A-4A-5A-12A	FDD2	21.87																
CA_2A-4A-5A-12A	FDD4	22.48	22.41	-0.07	70	20	20050	1720	1 Rb Mid	20	700	1940	20	2300	2145	10	2525	881.5
CA_2A-4A-5A-12A	FDD5	21.38																
CA_2A-4A-5A-12A	FDD12	22.17																
CA_2A-4A-7A-7A	FDD2	21.87																
CA_2A-4A-7A-7A	FDD4	22.48	22.43	-0.05	70	20	20050	1720	1 Rb Mid	20	700	1940	20	3100	2655	10	3400	2685
CA_2A-4A-7A-7A	FDD7	21.6																
CA_2A-4A-7C	FDD2	21.87																
CA_2A-4A-7C	FDD4	22.48	22.44	-0.04	80	20	20050	1720	1 Rb Mid	20	700	1940	20	3001	2645.1	20	3199	2664.9
CA_2A-4A-7C	FDD7	21.6																
CA_2A-4A-7A-12A	FDD2	21.87																
CA_2A-4A-7A-12A	FDD4	22.48	22.4	-0.08	70	20	20050	1720	1 Rb Mid	20	700	1940	20	3100	2655	10	2525	881.5
CA_2A-4A-7A-12A	FDD7	21.6																
CA_2A-4A-7A-12A	FDD12	22.17																
CA_2A-4A-12B	FDD2	21.87																
CA_2A-4A-12B	FDD4	22.48	22.41	-0.07	55	20	20050	1720	1 Rb Mid	20	700	1940	5	5048	732.8	10	5120	740
CA_2A-4A-12B	FDD12	22.17																
CA_2A-5A-7C	FDD2	21.87	21.84	-0.03	80	20	18700	1860	1 Rb Low	20	1100	1980	20	3001	2645.1	20	3199	2664.9

DL 4CA																		
Combination	UL Band	PCC (dBm)	PCC+SCCs (dBm)	Delta	Aggr. BW	PCC1				SCC1			SCC2			SCC3		
						BW	CH	FREQ	RB	BW	CH	FREQ	BW	CH	FREQ	BW	CH	FREQ
CA_2A-5A-7C	FDD5	21.38																
CA_2A-5A-7C	FDD7	21.6																
CA_2A-5A-12B	FDD2	21.87																
CA_2A-5A-12B	FDD5	21.38																
CA_2A-5A-12B	FDD12	22.17	22.13	-0.04	55	5	23048	702.8	1 Rb Low	10	23120	710	20	18700	1860	20	1100	1980
CA_2A-7C-13A	FDD2	21.87	21.82	-0.05	70	20	18700	1860	1 Rb Low	20	3001	2645.1	20	3199	2664.9	10	5230	751
CA_2A-7C-13A	FDD7	21.6																
CA_2A-7C-13A	FDD13	21.63																
CA_2A-7A-12A-66A	FDD2	21.87																
CA_2A-7A-12A-66A	FDD7	21.6																
CA_2A-7A-12A-66A	FDD12	22.17																
CA_2A-7A-12A-66A	FDD66	22.36	22.32	-0.04	70	20	132072	1720	1 Rb High	20	18700	1860	20	3100	2655	10	2525	881.5
CA_2A-12A-66C	FDD2	21.87																
CA_2A-12A-66C	FDD12	22.17																
CA_2A-12A-66C	FDD66	22.36	22.33	-0.03	70	20	132072	1720	1 Rb High	20	700	1940	20	18700	1860	10	2525	881.5
CA_2A-13A-66C	FDD2	21.87																
CA_2A-13A-66C	FDD13	21.63																
CA_2A-13A-66C	FDD66	22.36	22.33	-0.03	70	20	132072	1720	1 Rb High	20	700	1940	20	18700	1860	10	5230	751
CA_2A-66A-66C	FDD2	21.87																
CA_2A-66A-66C	FDD66	22.36	22.3	-0.06	80	20	132072	1720	1 Rb High	20	67038	2170.2	20	67236	2190	20	18700	1860
CA_2A-66A-66A-71A	FDD2	21.87																
CA_2A-66A-66A-71A	FDD66	22.36	22.31	-0.05	80	20	132072	1720	1 Rb High	20	67036	2170	20	18700	1860	20	68686	627
CA_2A-66A-66A-71A	FDD71	22.22																
CA_2A-66C-71A	FDD2	21.87																
CA_2A-66C-71A	FDD66	22.36	22.32	-0.04	80	20	132072	1720	1 Rb High	20	700	1940	20	18700	1860	20	68686	627
CA_2A-66C-71A	FDD71	22.22																
CA_4A-4A-5B	FDD4	22.48	22.42	-0.06	60	20	20050	1720	1 Rb Mid	20	2300	2145	10	2476	876.6	10	2575	886.5
CA_4A-4A-5B	FDD5	21.38																

DL 4CA																		
Combination	UL Band	PCC (dBm)	PCC+SCCs (dBm)	Delta	Aggr. BW	PCC1				SCC1			SCC2			SCC3		
						BW	CH	FREQ	RB	BW	CH	FREQ	BW	CH	FREQ	BW	CH	FREQ
CA_4A-4A-7A-13A	FDD4	22.48	22.44	-0.04	70	20	20050	1720	1 Rb Mid	20	2300	2145	20	3100	2655	10	5230	751
CA_4A-4A-7A-13A	FDD7	21.6																
CA_4A-4A-7A-13A	FDD13	21.63																
CA_4A-4A-12B	FDD4	22.48	22.43	-0.05	55	20	20050	1720	1 Rb Mid	20	2300	2145	5	5048	732.8	10	5120	740
CA_4A-4A-12B	FDD12	22.17																
CA_5A-5A-66B	FDD5	21.38																
CA_5A-5A-66B	FDD66	22.36	22.31	-0.05	50	10	132022	1715	1 Rb High	20	700	1940	10	2450	874	10	2600	889
CA_5A-5A-66C	FDD5	21.38																
CA_5A-5A-66C	FDD66	22.36	22.32	-0.04	60	20	132072	1720	1 Rb High	20	700	1940	10	2450	874	10	2600	889
CA_5A-66A-66B	FDD5	21.38																
CA_5A-66A-66B	FDD66	22.36	22.3	-0.06	50	10	132022	1715	1 Rb High	10	67187	2185.1	10	67286	2195	20	1100	1980
CA_5A-66A-66C	FDD5	21.38																
CA_5A-66A-66C	FDD66	22.36	22.27	-0.09	70	10	132022	1715	1 Rb High	20	67038	2170.2	20	67236	2190	20	1100	1980
CA_7A-7A-25A-66A	FDD7	21.6																
CA_7A-7A-25A-66A	FDD25	22.01																
CA_7A-7A-25A-66A	FDD66	22.36	22.29	-0.07	60	10	132022	1715	1 Rb High	20	3100	2655	10	3400	2685	20	8140	1940
CA_7A-13A-66A-66A	FDD7	21.6																
CA_7A-13A-66A-66A	FDD13	21.63																
CA_7A-13A-66A-66A	FDD66	22.36	22.24	-0.12	70	20	132072	1720	1 Rb High	20	67036	2170	20	3100	2655	10	5230	751
CA_12B-66A-66A	FDD12	22.17																
CA_12B-66A-66A	FDD66	22.36	22.31	-0.05	55	20	132072	1720	1 Rb High	20	67036	2170	5	5048	732.8	10	5120	740
CA_13A-66A-66A-66A	FDD13	21.63																
CA_13A-66A-66A-66A	FDD66	22.36	22.3	-0.06	70	20	132072	1720	1 Rb High	20	66886	2155	20	67236	2190	10	5230	751
CA_25A-25A-41C	FDD25	22.01	21.96	-0.05	80	20	26140	1860	1 Rb High	20	8590	1985	20	40521	2583.1	20	40719	2602.9
CA_25A-25A-41C	FDD41	21.88																
CA_41A-41D	TDD41	21.88	21.86	-0.02	80	20	39750	2506	1 Rb Mid	20	41094	2640.4	20	41292	2660.2	20	41490	2680
CA_41C-41C	TDD41	21.88	21.85	-0.03	80	20	39750	2506	1 Rb Mid	20	39948	2525.8	20	41292	2660.2	20	41490	2680

DL 4CA																		
Combination	UL Band	PCC (dBm)	PCC+SCCs (dBm)	Delta	Aggr. BW	PCC1				SCC1			SCC2			SCC3		
						BW	CH	FREQ	RB	BW	CH	FREQ	BW	CH	FREQ	BW	CH	FREQ
CA_41E	TDD41	21.88	21.87	-0.01	80	20	40320	2563	1 Rb Mid	20	40518	2582.8	20	40716	2602.6	20	40914	2622.4

DL 3CA															
Combination	UL Band	PCC (dBm)	PCC+SCCs (dBm)	Delta	Aggr. BW	PCC1				SCC1			SCC2		
						BW	CH	FREQ	RB	BW	CH	FREQ	BW	CH	FREQ
CA_2A-4A-13A	FDD2	21.87	21.84	-0.03	50	20	18700	1860	1 Rb Low	20	2050	2190	10	5230	751
CA_2A-5A-13A	FDD2	21.87	21.85	-0.02	50	20	18700	1860	1 Rb Low	20	1100	1980	10	5230	751
CA_4A-2A-2A	FDD4	22.48	22.43	-0.05	60	20	20175	1732.5	1 Rb Mid	20	700	1940	20	1100	1980
CA_4A-2A-4A	FDD4	22.48	22.44	-0.04	60	20	20175	1732.5	1 Rb Mid	20	700	1940	20	2300	2145
CA_4A-2A-5A	FDD4	22.48	22.46	-0.02	60	20	20175	1732.5	1 Rb Mid	20	700	1940	20	2300	2145
CA_4A-2A-12A	FDD4	22.48	22.41	-0.07	50	20	20175	1732.5	1 Rb Mid	20	700	1940	10	2525	881.5
CA_4A-2A-13A	FDD4	22.48	22.43	-0.05	50	20	20175	1732.5	1 Rb Mid	20	700	1940	10	5230	751
CA_4A-4A-2A	FDD4	22.48	22.44	-0.04	60	20	20050	1720	1 Rb Mid	20	2300	2145	20	700	1940
CA_4A-4A-71A	FDD4	22.48	22.47	-0.01	60	20	20050	1720	1 Rb Mid	20	2300	2145	20	68686	627
CA_4A-5A-12A	FDD4	22.48	22.46	-0.02	50	20	20175	1732.5	1 Rb Mid	20	2300	2145	10	2525	881.5
CA_4A-5A-13A	FDD4	22.48	22.44	-0.04	50	20	20175	1732.5	1 Rb Mid	20	2300	2145	10	5230	751
CA_4A-7A-7A	FDD4	22.48	22.41	-0.07	50	20	20175	1732.5	1 Rb Mid	20	3100	2655	10	3400	2685
CA_4A-7C	FDD4	22.48	22.43	-0.05	60	20	20175	1732.5	1 Rb Mid	20	3001	2645.1	20	3199	2664.9
CA_4A-7A-12A	FDD4	22.48	22.44	-0.04	50	20	20175	1732.5	1 Rb Mid	20	3100	2655	10	2525	881.5
CA_5A-2A-4A	FDD5	21.38	21.36	-0.02	60	20	20525	836.5	1 Rb High	20	700	1940	20	2300	2145
CA_5A-2A-66A	FDD5	21.38	21.32	-0.06	50	20	20525	836.5	1 Rb High	20	700	1940	10	2525	881.5
CA_5A-4A-2A	FDD5	21.38	21.31	-0.07	60	20	20525	836.5	1 Rb High	20	2050	2190	20	700	1940
CA_7C-13A	FDD7	21.6	21.57	-0.03	50	20	21001	2525.1	1 Rb High	20	3199	2664.9	10	5230	751
CA_7A-7A-26A	FDD7	21.6	21.55	-0.05	50	20	20850	2510	1 Rb High	20	3350	2680	10	8865	876.5
CA_7A-12A-66A	FDD7	21.6	21.53	-0.07	40	20	21100	2535	1 Rb High	10	2525	881.5	10	2525	881.5
CA_12A-2A-2A	FDD12	22.17	22.14	-0.03	50	10	23095	707.5	1 Rb Low	20	700	1940	20	1100	1980
CA_12A-2A-4A	FDD12	22.17	22.16	-0.01	50	10	23095	707.5	1 Rb Low	20	700	1940	20	2300	2145
CA_12A-2A-66A	FDD12	22.17	22.15	-0.02	40	10	23095	707.5	1 Rb Low	20	700	1940	10	2525	881.5
CA_12A-4A-4A	FDD12	22.17	22.12	-0.05	50	10	23095	707.5	1 Rb Low	20	2050	2120	20	2300	2145
CA_12A-66A-66A	FDD12	22.17	22.11	-0.06	50	10	23095	707.5	1 Rb Low	20	66536	2120	20	67036	2170
CA_12A-66C	FDD12	22.17	22.12	-0.05	50	10	23095	707.5	1 Rb Low	20	66536	2120	20	66734	2139.8

DL 3CA															
Combination	UL Band	PCC (dBm)	PCC+SCCs (dBm)	Delta	Aggr. BW	PCC1				SCC1			SCC2		
						BW	CH	FREQ	RB	BW	CH	FREQ	BW	CH	FREQ
CA_13A-2A-4A	FDD13	21.63	21.6	-0.03	50	10	23230	782	1 Rb High	20	700	1940	20	2300	2145
CA_13A-2A-66A	FDD13	21.63	21.59	-0.04	40	10	23230	782	1 Rb High	20	700	1940	10	2525	881.5
CA_13A-4A-2A	FDD13	21.63	21.57	-0.06	50	10	23230	782	1 Rb High	20	2300	2145	20	700	1940
CA_14A-66A-66A	FDD14	21.36	21.32	-0.04	50	10	23330	793	1 Rb High	20	66536	2120	20	67036	2170
CA_25A-25A-26A	FDD25	22.01	21.99	-0.02	50	20	26140	1860	1 Rb High	20	8590	1985	10	8865	876.5
CA_26A-41C	FDD26	21.26	21.24	-0.02	55	15	26865	831.5	1 Rb High	20	40521	2583.1	20	40719	2602.9
CA_66A-2A-2A	FDD66	22.36	22.3	-0.06	60	20	132072	1720	1 Rb High	20	700	1940	20	1100	1980
CA_66A-2A-5A	FDD66	22.36	22.31	-0.05	60	20	132072	1720	1 Rb High	20	700	1940	20	2300	2145
CA_66A-2A-12A	FDD66	22.36	22.32	-0.04	50	20	132072	1720	1 Rb High	20	700	1940	10	2525	881.5
CA_66A-2A-13A	FDD66	22.36	22.27	-0.09	50	20	132072	1720	1 Rb High	20	700	1940	10	5230	751
CA_66A-2A-66A	FDD66	22.36	22.29	-0.07	60	20	132072	1720	1 Rb High	20	700	1940	20	67236	2190
CA_66A-12A-66A	FDD66	22.36	22.26	-0.1	50	20	132072	1720	1 Rb High	10	2525	881.5	20	67236	2190
CA_66A-66A-66A	FDD66	22.36	22.31	-0.05	60	20	132072	1720	1 Rb High	20	66886	2155	20	67236	2190
CA_66A-66B	FDD66	22.36	22.3	-0.06	40	10	132072	1720	1 Rb High	10	67187	2185.1	20	67286	2195
CA_66A-66C	FDD66	22.36	22.35	-0.01	60	20	132072	1720	1 Rb High	20	67038	2170.2	20	67236	2190
CA_66D	FDD66	22.36	22.34	-0.02	60	20	132072	1720	1 Rb High	20	66734	2139.8	20	66932	2159.6
CA_66A-66A-71A	FDD66	22.36	22.3	-0.06	60	20	132072	1720	1 Rb High	20	67236	2190	20	68686	627
CA_66C-71A	FDD66	22.36	22.32	-0.04	60	20	132072	1720	1 Rb High	20	66734	2139.8	20	68686	627

DL 2CA												
Combination	UL Band	PCC (dBm)	PCC+SCCs (dBm)	Delta	Aggr. BW	PCC1				SCC1		
						BW	CH	FREQ	RB	BW	CH	FREQ
CA_2A-17A	FDD2	21.87	21.85	-0.02	40	20	18700	1860	1 Rb Low	20	5790	740
CA_4A-17A	FDD4	22.48	22.41	-0.07	40	20	20175	1732.5	1 Rb Mid	20	5790	740
CA_5A-17A	FDD5	21.38	21.35	-0.03	40	20	20525	836.5	1 Rb High	20	5790	740
CA_5A-25A	FDD5	21.38	21.34	-0.04	40	20	20525	836.5	1 Rb High	20	8140	1940
CA_5A-38A	FDD5	21.38	21.32	-0.06	40	20	20525	836.5	1 Rb High	20	380000	2595
CA_5A-41A	FDD5	21.38	21.36	-0.02	40	20	20525	836.5	1 Rb High	20	40620	2593
CA_12A-25A	FDD12	22.17	22.14	-0.03	30	10	23095	707.5	1 Rb Low	20	8140	1940
CA_17A-2A	FDD17	22.25	22.21	-0.04	30	10	23790	710	1 Rb Low	20	700	1940
CA_17A-4A	FDD17	22.25	22.2	-0.05	30	10	23790	710	1 Rb Low	20	2050	2190
CA_17A-66A	FDD17	22.25	22.17	-0.08	20	10	23790	710	1 Rb Low	10	2525	881.5
CA_26A-25A	FDD26	21.26	21.19	-0.07	35	15	26865	831.5	1 Rb High	20	8140	1940
CA_26A-41A	FDD26	21.26	21.18	-0.08	35	15	26865	831.5	1 Rb High	20	40620	2593
CA_38C	TDD38	21.43	21.4	-0.03	40	20	37901	2585.1	1 Rb Mid	20	38099	2604.9
CA_41A-25A	TDD41	21.88	21.84	-0.04	40	20	40620	2593	1 Rb Mid	20	8140	1940
CA_41A-26A	TDD41	21.88	21.83	-0.05	30	20	40620	2593	1 Rb Mid	10	8865	876.5
CA_41A-41A	TDD41	21.88	21.85	-0.03	40	20	40620	2593	1 Rb Mid	20	40620	2593
CA_66A-17A	FDD66	22.36	22.31	-0.05	40	20	132072	1720	1 Rb High	20	5790	740

2.3.2. LTE CA Uplink Inter-Band

LTE CA UPLINK	PCC Band
2A-4A	LTE 2
2A-5A	LTE 2
2A-7A	LTE 2
2A-12A	LTE 2
2A-13A	LTE 2
4A-5A	LTE4
4A-7A	LTE4
4A-12A	LTE4
4A-13A	LTE4
4A-17A	LTE4
5A-7A	LTE5

Following guidance from TCB Workshop October 2018:

- Provide the single uplink SAR values you have obtained for the SAR configurations and frequency bands that employ inter-band uplink carrier aggregation.
- If the single uplink 1-g SAR values for each band are both less than 0.8 W/kg and the algebraic summation of the 1-g SAR values are less than 1.45 W/kg no additional measurements need to be performed.
- If one of the single uplink 1-g SAR values is greater than 0.8 W/kg, instead of algebraically summing the 1-g SAR values, sum up the SAR distributions, similar to the enlarged zoom scan (volume scan) proceduresfound in FCC KDB Publication 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04.
- If the algebraic sum of the 1-g SAR values is > 1.45 W/kg additional measurements may have to be made. Submit a KDB inquiry for additional guidance.

CA UL maximum output power is reduced by 3 dBm from the single carrier maximum output power value. Reported SAR for the CA UL maximum output power have been calculated using worst-case single carrier SAR values for each CC:

	CC1			CC2			CA				
LTE CA UPLINK	**Band**	**Tune-up limit**	**Reported SAR**	**Band**	**Tune-up limit**	**Reported SAR**	**CC1 Tune-up limit**	**CC2 Tune-up limit**	**CC1 Reported SAR**	**CC2 Reported SAR**	**CA sum**
2A-4A	2A	24.7	0.112	4A	25.7	0.082	21.7	22.7	0.056	0.041	**0.097**
2A-5A	2A	24.7	0.112	5A	25.7	0.257	21.7	22.7	0.056	0.129	**0.185**
2A-7A	2A	24.7	0.112	7A	25.7	0.181	21.7	22.7	0.056	0.091	**0.147**
2A-12A	2A	24.7	0.112	12A	25.7	0.230	21.7	22.7	0.056	0.115	**0.171**
2A-13A	2A	24.7	0.112	13A	25.7	0.260	21.7	22.7	0.056	0.130	**0.186**
4A-5A	4A	25.7	0.082	5A	25.7	0.257	22.7	22.7	0.041	0.129	**0.170**
4A-7A	4A	25.7	0.082	7A	25.7	0.181	22.7	22.7	0.041	0.091	**0.132**
4A-12A	4A	25.7	0.082	12A	25.7	0.230	22.7	22.7	0.041	0.115	**0.156**
4A-13A	4A	25.7	0.082	13A	25.7	0.260	22.7	22.7	0.041	0.130	**0.171**
4A-17A	4A	25.7	0.082	17A	25.7	0.230	22.7	22.7	0.041	0.115	**0.156**
5A-7A	5A	25.7	0.257	7A	25.7	0.181	22.7	22.7	0.129	0.091	**0.220**

2.3.3. LTE CA Uplink Intra-Band

Following KDB 941225 D05A LTE Rel.10 KDB Inquiry Sheet v01r02 and TCB Workshop Nov. 2017

- SAR for UL CA is required in each exposure condition (highest standalone head test position, body, etc.) and frequency band combination.
- When the maximum output for UL CA is ≤ standalone LTE mode (without CA)
  - PCC is configured according to the highest standalone SAR configuration tested
  - SCC and subsequent CCs are configured according to 3GPP TS 36.508 V17.2.0 Release 17 procedures used for power measurement and parameters (BW, RB etc.).

- Reported SAR for UL CA configuration, described above, is > 1.2 W/kg, UL CA SAR is also required for all required test channels(PCC based)

- UL CA SAR is also required for standalone SAR configurations > 1.2 W/kg when they are scaled to the UL CA power level
  All measured SAR values for the bands that supports Uplink CA Intraband are lower than, 1,2 W/kg, therefore all Uplink CA intraband combinations values are also < 1.2 W/kg.

LTE CA UPLINK BAND	Band	BW (MHz)	Channel	Frequency (MHz)	RB Config	Output power W/O CA	Output power with CA	Delta CA off/on
5B	LTE 5	10	20600	844	1Rb Low	21.35	21.2	-0.15
7C	LTE 7	20	20850	2510	1RB High	21.56	21.43	-0.13
12B	LTE 12	5	23107	708.7	1RB High	22.04	22.01	-0.03
41C	LTE 41	20	40595	2590.5	1RB High	21.7	21.54	-0.16
66B	LTE 66	10	132373	1750.1	1RB High	22.31	22.24	-0.07
66C	LTE 66	20	132323	1745.1	1RB High	22.26	22.18	-0.08

LTE CA UPLINK BAND	PCC				SCC				Reported SAR (W/kg)	Plot
	BW (MHz)	CH	FREQ	RB Config	BW (MHz)	CH	FREQ	RB Config		
5B	10	20600	844	1Rb Low	10	20501	834,1	1Rb High	0.262	17
7C	20	20850	2510	1RB High	20	21048	2529,8	1RB Low	0.168	18
12B	5	23107	708,7	1RB High	5	23155	713,5	1RB Low	0.213	19
41C	20	40595	2590,5	1RB High	5	40712	2602,2	1RB Low	0.057	20
66B	10	132373	1750,1	1RB High	10	132472	1760	1RB Low	0.104	21
66C	20	132323	1745,1	1RB High	20	132521	1764,9	1RB Low	0.081	22