



HCT Co., Ltd.
74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383 KOREA
Tel. +82 31 645 6300 Fax. +82 31 645 6401

SAR TEST REPORT

Applicant Name: SAMSUNG Electronics Co., Ltd. 129, Samsung-ro, Yeongtong-gu, Suwon-Si, Gyeonggi-do, 16677 Rep. of Korea	Date of Issue: May 17, 2023 Test Report No.: HCT-SR-2305-FC006-R2 Test Site: HCT CO., LTD.
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FCC ID:

A3LSMX818U

Equipment Type:	Tablet
Application Type	Certification
FCC Rule Part(s):	CFR §2.1093
Model Name:	SM-X818U
Date of Test:	Mar. 15, 2023 ~ May 02, 2023

This device has been shown to be capable of compliance for localized specific absorption rate (SAR) for uncontrolled environment/general population exposure limits specified in FCC KDB procedures and had been tested in accordance with the measurement procedures specified in FCC KDB procedures.

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

Tested By

Bong-Kyun, Park
Test Engineer
SAR Team
Certification Division

Reviewed By

Yun-jeang, Heo
Technical Manager
SAR Team
Certification Division

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REVISION HISTORY

The revision history for this test report is shown in table.

Revision No.	Date of Issue	Description
0	May 09, 2023	Initial Release
1	May 15, 2023	TYPO Revised
2	May 17, 2023	Revised to FCC KDB 447498 D04v01

This test results were applied only to the test methods required by the standard.

The above Test Report is not related to the accredited test result by (KS Q) ISO/IEC 17025 and KOLAS(Korea Laboratory Accreditation Scheme), which signed the ILAC-MRA.

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1. Test Regulations

The tests documented in this report were performed in accordance with FCC CFR § 2.1093, IEEE 1528-2013, ANSI C63.26-2015 the following FCC Published RF exposure KDB procedures:

- FCC KDB Publication 941225 D01 3G SAR Procedures v03r01
- FCC KDB Publication 941225 D05 SAR for LTE Devices v02r05
- FCC KDB Publication 941225 D05A LTE Rel.10 KDB Inquiry sheet v01r02
- FCC KDB Publication 248227 D01 802.11 Wi-Fi SAR v02r02
- FCC KDB Publication 447498 D04 Interim General RF Exposure Guidance v01
- FCC KDB Publication 616217 D04 SAR Tablets v01r02
- FCC KDB Publication 865664 D01 SAR measurement 100 MHz to 6 GHz v01r04
- FCC KDB Publication 865664 D02 SAR Reporting v01r02
- FCC KDB Publication 690783 D01 SAR Listings on Grants v01r03
- FCC KDB Publication 971168 D01 Power Meas License Digital Systems v03r01

In Addition to the above, the following information was used.

- October 2014 TCB Workshop Notes (Overlapping LTE Bands)
- April 2015 TCB Workshop Notes (Overlapping LTE Bands Test exclusion)
- April 2015 TCB Workshop Notes (Simultaneous transmission summation clarified)
- October 2016 TCB Workshop Notes (Bluetooth Duty Factor)
- November 2017 TCBC Workshop Notes (LTE Carrier Aggregation)
- May 2017 TCBC Workshop Notes (LTE 4x4 Downlink MIMO, LTE Band 41 Power Class 2)
- April 2019 TCBC Workshop Notes (IEEE 802.11 ax)
- April 2018 TCBC Workshop Notes (LTE DL CA SAR Test Exclusion)
- April 2019 and Oct 2020 TCBC Workshop Notes (Dynamic Antenna tuning)

2. Test Location

2.1 Test Laboratory

Company Name	HCT Co., Ltd.
Address	74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383 KOREA
Telephone	031-645-6300
Fax.	031-645-6401

2.2 Test Facilities

Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025.

Korea	National Radio Research Agency (Designation No. KR0032)
	KOLAS (Testing No. KT197)

3. Information of the EUT

3.1 General Information of the EUT

Model Name	SM-X818U
Equipment Type	Tablet
FCC ID	A3LSMX818U
Application Type	Certification
Applicant	SAMSUNG Electronics Co., Ltd.

3.2 Attestation of test result of device under test

Band	Tx. Frequency	Equipment Class	SAR (W/kg)
			Reported 1g Body SAR
UMTS Band 5	826.4 MHz ~ 846.6 MHz	PCB	1.05
UMTS Band 4	1 712.4 MHz ~ 1 752.6 MHz	PCB	0.95
UMTS Band 2	1 852.4 MHz ~ 1 907.6 MHz	PCB	0.79
LTE Band 2 (PCS)	1 850.7 MHz ~ 1 909.3 MHz	PCB	N/A
LTE Band 4 (AWS)	1 710.7 MHz ~ 1 754.3 MHz	PCB	N/A
LTE Band 5 (Cell)	824.7 MHz ~ 848.3 MHz	PCB	1.00
LTE Band 7	2 502.5 MHz ~ 2 567.5 MHz	PCB	1.00
LTE Band 12	699.7 MHz ~ 715.3 MHz	PCB	0.75
LTE Band 13	779.5 MHz ~ 784.5 MHz	PCB	0.99
LTE Band 14	790.5 MHz ~ 795.5 MHz	PCB	0.92
LTE Band 25 (PCS)	1 850.7 MHz ~ 1 914.3 MHz	PCB	1.00
LTE Band 26	814.7 MHz ~ 848.3 MHz	PCB	0.98
LTE Band 30	2 307.5 MHz ~ 2 312.5 MHz	PCB	1.00
LTE TDD Band 41	2 498.5 MHz ~ 2 687.5 MHz	PCB	1.01
LTE TDD Band 48	3 552.5 MHz ~ 3 697.5 MHz	PCB	0.99
LTE Band 66 (AWS)	1 710.7 MHz ~ 1 779.3 MHz	PCB	1.04
LTE Band 71	665.5 MHz ~ 695.5 MHz	PCB	0.90
NR Band n2	1 852.5 MHz ~ 1 907.5 MHz	PCB	N/A
NR Band n5	826.5 MHz ~ 846.5 MHz	PCB	N/A
NR Band n7	2 502.5 MHz ~ 2 567.5 MHz	PCB	0.53
NR Band n12	701.5 MHz ~ 713.5 MHz	PCB	0.36
NR Band n25	1 852.5 MHz ~ 1 912.5 MHz	PCB	0.62
NR Band n26	816.5 MHz ~ 846.5 MHz	PCB	0.88
NR Band n30	2 307.5 MHz ~ 2 312.5 MHz	PCB	0.90
NR Band n41	2 506.02 MHz ~ 2 679.99 MHz	PCB	0.93
NR Band n41 SRS	2 506.02 MHz ~ 2 679.99 MHz	PCB	0.46
NR Band n48	3 560.01 MHz ~ 3 690 MHz	CBE	0.78
NR Band n48 SRS	3 560.01 MHz ~ 3 690 MHz	CBE	0.83
NR Band n66	1 712.5 MHz ~ 1 777.5 MHz	PCB	0.79
NR Band n71	665.5 MHz ~ 695.5 MHz	PCB	0.72
NR Band n77	3 705 MHz ~ 3 975 MHz	PCB	1.01
NR Band n77 SRS	3 705 MHz ~ 3 975 MHz	PCB	0.88
NR Band n77(DoD)	3 455.04 MHz ~ 3 544.98 MHz	PCB	0.93
NR Band n77 DoD SRS	3 455.04 MHz ~ 3 544.98 MHz	PCB	0.82
2.4 GHz WLAN	2 412 MHz ~ 2 462 MHz	DTS	0.58
U-NII-1	5 180 MHz ~ 5 240 MHz	NII	N/A
U-NII-2A	5 260 MHz ~ 5 320 MHz	NII	0.83
U-NII-2C	5 500 MHz ~ 5 720 MHz	NII	0.64
U-NII-3	5 745 MHz ~ 5 825 MHz	NII	0.63
U-NII-4	5 845 MHz ~ 5 885 MHz	NII	0.71
Bluetooth	2 402 MHz ~ 2 480 MHz	DSS	0.21
Simultaneous SAR per KDB 690783 D01v01r03			1.59
Date(s) of Tests:	Mar. 15. 2023 ~ May. 02. 2023		

4. Device Under Test Description

4.1 DUT specification

Device Wireless specification overview		
Band & Mode	Operating Mode	Tx Frequency
UMTS Band 5	Data	826.4 MHz ~ 846.6 MHz
UMTS Band 4	Data	1 712.4 MHz ~ 1 752.6 MHz
UMTS Band 2	Data	1 852.4 MHz ~ 1 907.6 MHz
LTE Band 2 (PCS)	Data	1 850.7 MHz ~ 1 909.3 MHz
LTE Band 4 (AWS)	Data	1 710.7 MHz ~ 1 754.3 MHz
LTE Band 5 (Cell)	Data	824.7 MHz ~ 848.3 MHz
LTE Band 7	Data	2 502.5 MHz ~ 2 567.5 MHz
LTE Band 12	Data	699.7 MHz ~ 715.3 MHz
LTE Band 13	Data	779.5 MHz ~ 784.5 MHz
LTE Band 14	Data	790.5 MHz ~ 795.5 MHz
LTE Band 25 (PCS)	Data	1 850.7 MHz ~ 1 914.3 MHz
LTE Band 26	Data	814.7 MHz ~ 848.3 MHz
LTE Band 30	Data	2 307.5 MHz ~ 2 312.5 MHz
LTE TDD Band 41	Data	2 498.5 MHz ~ 2 687.5 MHz
LTE TDD Band 48	Data	3 552.5 MHz ~ 3 697.5 MHz
LTE Band 66 (AWS)	Data	1 710.7 MHz ~ 1 779.3 MHz
LTE Band 71	Data	665.5 MHz ~ 695.5 MHz
NR Band n2	Data	1 852.5 MHz ~ 1 907.5 MHz
NR Band n5	Data	826.5 MHz ~ 846.5 MHz
NR Band n7	Data	2502.5 MHz ~ 2567.5 MHz
NR Band n12	Data	701.5 MHz ~ 713.5 MHz
NR Band n25	Data	1 852.5 MHz ~ 1912.5 MHz
NR Band n26	Data	816.5 MHz ~ 846.5 MHz
NR Band n30	Data	2 307.5 MHz ~ 2 312.5 MHz
NR Band n41	Data	2 501.01 MHz ~ 2 685 MHz
NR Band n48	Data	3 560.01 MHz ~ 3 690 MHz
NR Band n66	Data	1 712.5 MHz ~ 1 777.5 MHz
NR Band n71	Data	665.5 MHz - 695.5 MHz
NR Band n77	Data	3 705 MHz ~ 3 975 MHz
NR Band n77 DoD	Data	3 450 MHz ~ 3 550 MHz
NR Band n258	Data	24 250 MHz ~ 24 450 MHz; 24 750 MHz ~ 25 250 MHz
NR Band n260	Data	37 000 MHz ~ 40 000 MHz
NR Band n261	Data	27 500 MHz ~ 28 350 MHz
2.4 GHz WLAN	Data	2 412 MHz ~ 2 462 MHz
U-NII-1	Data	5 180 MHz ~ 5 240 MHz
U-NII-2A	Data	5 260 MHz ~ 5 320 MHz
U-NII-2C	Data	5 500 MHz ~ 5 720 MHz
U-NII-3	Data	5 745 MHz ~ 5 825 MHz
U-NII-4	Data	5 845 MHz ~ 5 885 MHz
U-NII-5	Data	5 935 MHz ~ 6 415 MHz
U-NII-6	Data	6 435 MHz ~ 6 515 MHz
U-NII-7	Data	6 535 MHz ~ 6 875 MHz
U-NII-8	Data	6 875 MHz ~ 7 115 MHz
Bluetooth / LE 5.3	Data	2 402 MHz ~ 2 480 MHz
S-Pen	Data	531 kHz

Device Description																	
H/W	REV1.0																
S/W	X818U.001																
Battery	EB-BT975ABY (SDI)																
S-Pen	EJ-PX710 (SAMSUNG)																
Device Serial Numbers	<table border="1"> <thead> <tr> <th>Mode</th> <th>Serial Number</th> </tr> </thead> <tbody> <tr> <td>UMTS B2 / B4 / B5</td> <td>WBR0865M</td> </tr> <tr> <td>LTE B7 B12 / B13 / B14 / B25 / B26 / B30 / B41 / B48 / B66 / B71 /</td> <td>WBR0870M</td> </tr> <tr> <td>LTE 7 Lower Ant, B25 Lower Ant B25 Lower Ant, B30 Lower Ant B66 Lower Ant</td> <td>WBR0875M</td> </tr> <tr> <td>NR Band n7 / n12 / n26 / n41 / n41 SRS</td> <td>WBR0865M</td> </tr> <tr> <td>NR Band n25 / n30 / n48 / n48 SRS / n66 / n77/ n77 DoD / n77 SRS</td> <td>WBR0881M</td> </tr> <tr> <td>Bluetooth</td> <td>WBR0827M</td> </tr> <tr> <td>WLAN</td> <td>WBR0829M</td> </tr> </tbody> </table>	Mode	Serial Number	UMTS B2 / B4 / B5	WBR0865M	LTE B7 B12 / B13 / B14 / B25 / B26 / B30 / B41 / B48 / B66 / B71 /	WBR0870M	LTE 7 Lower Ant, B25 Lower Ant B25 Lower Ant, B30 Lower Ant B66 Lower Ant	WBR0875M	NR Band n7 / n12 / n26 / n41 / n41 SRS	WBR0865M	NR Band n25 / n30 / n48 / n48 SRS / n66 / n77/ n77 DoD / n77 SRS	WBR0881M	Bluetooth	WBR0827M	WLAN	WBR0829M
	Mode	Serial Number															
	UMTS B2 / B4 / B5	WBR0865M															
	LTE B7 B12 / B13 / B14 / B25 / B26 / B30 / B41 / B48 / B66 / B71 /	WBR0870M															
	LTE 7 Lower Ant, B25 Lower Ant B25 Lower Ant, B30 Lower Ant B66 Lower Ant	WBR0875M															
	NR Band n7 / n12 / n26 / n41 / n41 SRS	WBR0865M															
	NR Band n25 / n30 / n48 / n48 SRS / n66 / n77/ n77 DoD / n77 SRS	WBR0881M															
	Bluetooth	WBR0827M															
	WLAN	WBR0829M															
The manufacturer has confirmed that the devices tested have the same physical, mechanical and thermal characteristics are within operational tolerances expected for production units.																	

Time-Averaging Algorithm for RF Exposure Compliance

The device is enabled with Qualcomm® Smart Transmit feature.

This feature performs time averaging algorithm in real time to control and manage transmitting power and ensure the time-averaged RF exposure is in compliance with FCC requirements all the time. DUT contains embedded file system (EFS) version 19 configured for the second generation (GEN 2) for sub 6 and for the first generation (GEN 1) for mmWave.

The Smart Transmit algorithm maintains the time-averaged transmit power, in turn, time-averaged RF exposure of SAR_design_target for sub 6 radio or PD_design_target for 5G mmW NR, below the predefined time averaged power limit for each characterized technology and band. Smart Transmit allows the device to transmit at higher power instantaneously, as high as Pmax, when needed but enforces power limiting to maintain time-averaged transmit power to Plimit for frequencies < 6 GHz and input. power. limit for frequencies > 6 GHz.

SAR Characterization

Plim values in green indicate Plimt < Pmax				Plim values in grey indicate Plim > Pmax		Pmax	Pmax	UL:DL Ratio
Plimt corresponding to 1 W/kg (1g) SAR_Design_target				Body at Max Power	Body Grip on Back-off			
SAR Exposure Position				1g	1g	Maximum Tune-up Output Power (Burst Average Power) [dBm]	Maximum Tune-up Output Power (Frame Averaged Power) [dBm]	
Averaging volume separation Distance				19,22,24,9,17 mm	0			
Mode	Band	Antenna	Antenna Group	DSI = 0	DSI = 1			
UMTS	5	Main 1	AG0	25.1	16.0	23.5	23.5	100%
UMTS	4	Main 1	AG0	27.5	13.5	23.5	23.5	100%
UMTS	2	Main 1	AG0	25.5	14.0	23.5	23.5	100%
LTE FDD	7	Main 1	AG0	25.2	11.5	23.0	23.0	100%
LTE FDD	7	SUB 2	AG1	30.3	11.5	23.0	23.0	100%
LTE FDD	12	Main 1	AG0	28.3	15.5	24.0	24.0	100%
LTE FDD	13	Main 1	AG0	25.9	16.0	24.0	24.0	100%
LTE FDD	14	Main 1	AG0	26.3	16.0	24.0	24.0	100%
LTE FDD	25(2)	Main 1	AG0	26.0	14.5	24.0	24.0	100%
LTE FDD	25(2)	SUB 2	AG1	27.5	13.0	23.0	23.0	100%
LTE FDD	26(5)	Main 1	AG0	25.4	15.0	24.0	24.0	100%
LTE FDD	30	Main 1	AG0	28.4	12.0	22.5	22.5	100%
LTE FDD	30	SUB 2	AG1	26.7	12.0	22.5	22.5	100%
LTE TDD PC3	41	Main 1	AG0	27.2	11.5	22.0	20.0	63.3%
LTE TDD PC2	41	Main 1	AG0	29.3	9.9	22.4	18.7	43.3%
LTE TDD	48	Main 2	AG1	25.0	9.5	19.5	17.5	63.3%
LTE FDD	66(4)	Main 1	AG0	27.2	14.0	24.0	24.0	100.0%
LTE FDD	66(4)	SUB 2	AG1	29.3	14.0	23.5	23.5	100%
LTE FDD	71	Main 1	AG0	27.7	17.0	24.0	24.0	100%
NR FDD	7	Main 1	AG0	27.7	11.5	24.0	24.0	100%
NR FDD	12	Main 1	AG0	29.4	15.5	24.0	24.0	100%
NR FDD	25(2)	Main 1	AG0	29.0	15.0	24.0	24.0	100%
NR FDD	26(5)	Main 1	AG0	26.4	15.0	24.0	24.0	100%
NR FDD	30	Main 1	AG0	28.4	12.0	22.5	22.5	100%
NR TDD (PC2)	41	Main 1	AG0	18.5	11.5	27.0	27.0	100%
NR TDD SRS2(PC2)	41	SUB 2	AG1	11.5	10.0	17.0	17.0	100%
NR TDD SRS3(PC2)	41	SUB 4	AG1	13.0	10.0	18.5	18.5	100%
NR TDD SRS4(PC2)	41	SUB 1	AG1	8.5	8.5	14.0	14.0	100%
NR TDD (PC3)	41	Main 1	AG0	18.5	11.5	24.0	24.0	100%
NR TDD SRS2(PC3)	41	SUB 2	AG1	11.5	10.0	17.0	17.0	100%
NR TDD SRS3(PC3)	41	SUB 4	AG1	13.0	10.0	18.5	18.5	100%
NR TDD SRS4(PC3)	41	SUB 1	AG1	8.5	8.5	14.0	14.0	100%
NR TDD	48	Main 2	AG1	16.0	10.5	21.5	21.5	100%
NR TDD SRS2	48	Sub 2	AG1	9.5	9.0	15.0	15.0	100%
NR TDD SRS3	48	Sub 4	AG1	13.0	9.0	18.5	18.5	100%
NR TDD SRS4	48	SUB 3	AG0	16.0	9.0	21.5	21.5	100%
NR FDD	66(4)	Main 1	AG0	24.0	14.5	24.0	24.0	100%
NR FDD	71	Main 1	AG0	24.0	17.0	24.0	24.0	100%
NR TDD (PC2)	77	Main2	AG1	18.5	10.0	27.0	27.0	100%
NR TDD SRS2(PC2)	77	SUB 2	AG1	11.5	8.5	17.0	17.0	100%
NR TDD SRS3(PC2)	77	SUB 4	AG1	14.5	8.5	20.0	20.0	100%
NR TDD SRS4(PC2)	77	SUB 3	AG0	17.0	8.5	22.5	22.5	100%
NR TDD (PC3)	77	Main2	AG1	18.5	10.0	24.0	24.0	100%
NR TDD SRS2(PC3)	77	SUB 2	AG1	11.5	8.5	17.0	17.0	100%
NR TDD SRS3(PC3)	77	SUB 4	AG1	14.5	8.5	20.0	20.0	100%
NR TDD SRS4(PC3)	77	SUB 3	AG0	17.0	8.5	22.5	22.5	100%
NR DoD (PC3)	77	Main2	AG1	18.5	10.0	24.0	24.0	100%
NR DoD SRS2(PC3)	77	SUB 2	AG1	11.5	8.5	17.0	17.0	100%
NR DoD SRS3(PC3)	77	SUB 4	AG1	14.5	8.5	20.0	20.0	100%
NR DoD SRS4(PC3)	77	SUB 3	AG0	17.0	8.5	22.5	22.5	100%
NR DoD (PC2)	77	Main2	AG1	18.5	10.0	27.0	27.0	100%
NR DoD SRS2(PC2)	77	SUB 2	AG1	11.5	8.5	17.0	17.0	100%
NR DoD SRS3(PC2)	77	SUB 4	AG1	14.5	8.5	20.0	20.0	100%
NR DoD SRS4(PC2)	77	SUB 3	AG0	17.0	8.5	22.5	22.5	100%

Note that WLAN operations are not enabled with Smart Transmit.

Note:

1. When the Proximity sensor is triggered ,the *Plimit* for DSI=1 is set.
2. When $P_{max} < Plimit$, the DUT will operate at a power level up to P_{max} .
3. When $DSI=1$, $Plimit(Tune-up) < Plimit(cal)$, the DUT will operate at a power level up to *Plimit* as tune-up document.
4. Maximum Tune up Power, P_{max} . Is configured in NV settings in EUT to limit maximum transmitting power.
5. Note all *Plimit* EFS and maximum tune up output power P_{max} levels entered in above Table correspond to average power levels after accounting for duty cycle in the case of TDD modulation schemes.

6. Maximum tune up output power P_{max} is used to configure EUT during RF tune up procedure. The maximum allowed output power is equal to maximum Tune up output power + 1dB device design uncertainty.
7. Note that the device uncertainty for sub-6 GHz WWAN is 1.0 dB for this EUT.

The maximum time-averaged output power (dBm) for any 3G/4G/5GWWAN technology, band, and DSI = minimum of "Plimit EFS" and "Maximum tune up output power P_{max} " + 1 dB device uncertainty. SAR values in this report were scaled to this maximum time-averaged output power to determine compliance per KDB Publication 447498 D04 v01

The purpose of this report (Part 1) is to demonstrate that the EUT meets FCC SAR limits when transmitting in static transmission scenario at maximum allowable time-averaged power levels.

Measurement Condition: All conducted power and SAR measurements in this report were performed by setting reserve_power_margin (Smart Transmit EFS entry) to 0 dB.

4.2 Power Reduction for SAR

This device uses an independent fixed level power reduction mechanism for WLAN operations when 5G NR Bands are active or When 2.4 GHz WLAN mode and 5 GHz/6 GHz WLAN mode are simultaneously transmitted, and also during activating in close proximity to the user's Body
 FCC KDB Publication 616217 D04v01r02 Sec.6 was used as a guideline for selection SAR test distances for device

The reduced powers for the power reduction mechanisms were conformed via conducted power measurements at the RF Port.

4.3 Nominal and Maximum Output Power Specifications

This device operates using the following maximum output power specifications. SAR values were scaled to the maximum allowed power to determine compliance per KDB publication 447498 D04 v01.

The contents of DSI (Device State indicator) are as follows.

DSI 0: Max Power = Pmax

DSI 1: GRIP ON Power Back-off

4.3.1 Maximum Output Power for 3G/4G/5G Bands (DSI 0)

DSI	Mode / Band		Modulated Average (dBm)			
			3GPP UMTS	3GPP HSDPA	3GPP HSUPA	DC-HSDPA
0	UMTS Band 5 (850 MHz)	Maximum	24.5	23.5	23.5	23.5
		Nominal	23.5	22.5	22.5	22.5
0	UMTS Band 4 (1700 MHz)	Maximum	24.5	23.5	23.5	23.5
		Nominal	23.5	22.5	22.5	22.5
0	UMTS Band 2 (1900 MHz)	Maximum	24.5	23.5	23.5	23.5
		Nominal	23.5	22.5	22.5	22.5

Tolerance: -1.5 dB ~ +1.0 dB

DSI	Mode / Band		Modulated Average (dBm)
0	LTE Band 2 (PCS)	Maximum	25.0
		Nominal	24.0
0	(LTE Band 2) LTE Tx power use sub 2 ANT, when FR1 ENDC combination	Maximum	24.0
		Nominal	23.0
0	LTE Band 4 (AWS)	Maximum	25.0
		Nominal	24.0
0	(LTE Band 4) LTE Tx power use sub 2 ANT, when FR1 ENDC combination	Maximum	24.5
		Nominal	23.5
0	LTE Band 5 (Cell)	Maximum	25.0
		Nominal	24.0
0	ULCA LTE Band 5 (Cell)	Maximum	25.0
		Nominal	24.0
0	LTE Band 7	Maximum	24.0
		Nominal	23.0
0	(LTE Band 7) LTE Tx power use sub 2 ANT, when FR1 ENDC combination	Maximum	24.0
		Nominal	23.0
0	LTE Band 12	Maximum	25.0
		Nominal	24.0
0	LTE Band 13	Maximum	25.0
		Nominal	24.0
0	LTE Band 14	Maximum	25.0
		Nominal	24.0
0	LTE Band 25 (PCS)	Maximum	25.0
		Nominal	24.0
0	(LTE Band 25) LTE Tx power use sub 2 ANT, when FR1 ENDC combination	Maximum	24.0
		Nominal	23.0
0	LTE Band 26 (Cell)	Maximum	25.0
		Nominal	24.0
0	LTE Band 30	Maximum	23.5
		Nominal	22.5
0	(LTE Band 30) LTE Tx power use sub 2 ANT, when FR1 ENDC combination	Maximum	23.5
		Nominal	22.5
0	LTE Band 41 (PC2) (HPUE)	Maximum	27.0
		Nominal	26.0
0	UL CA LTE Band 41 (PC2) (HPUE)	Maximum	27.0
		Nominal	26.0
0	LTE Band 41 (PC3)	Maximum	25.0
		Nominal	24.0
0	UL CA LTE Band 41 (PC3)	Maximum	25.0
		Nominal	24.0
0	LTE Band 48	Maximum	22.5
		Nominal	21.5
0	UL CA LTE Band 48	Maximum	22.5
		Nominal	21.5
0	LTE Band 66	Maximum	25.0
		Nominal	24.0
0	UL CA LTE Band 66	Maximum	25.0
		Nominal	24.0
0	(LTE Band 66) LTE Tx power use sub 2 ANT, when FR1 ENDC combination	Maximum	24.5
		Nominal	23.5
0	LTE Band 71	Maximum	25.0
		Nominal	24.0

Tolerance: -1.5 dB ~ +1.0 dB

DSI	Mode / Band		Modulated Average (dBm)
0	LTE Band 41 (PC2) (HPUE) A-MPR Mode	Maximum	27.0
		Nominal	26.0
0	UL CA LTE Band 41 (PC2) (HPUE) A-MPR Mode	Maximum	27.0
		Nominal	26.0
0	UL CA LTE Band 48 A-MPR Mode	Maximum	22.5
		Nominal	21.5

Tolerance: ~ +1.0 dB

DSI	Mode / Band		Modulated Average (dBm)
0	NR Band n2 (n25) (PCS)	Maximum	25.0
		Nominal	24.0
0	NR Band n5 (Cell)	Maximum	25.0
		Nominal	24.0
0	NR Band n7	Maximum	25.0
		Nominal	24.0
0	NR Band n12	Maximum	25.0
		Nominal	24.0
0	NR Band n26 (Cell)	Maximum	25.0
		Nominal	24.0
0	NR Band n30	Maximum	23.5
		Nominal	22.5
0	NR Band n41 (PC2) (HPUE)	Maximum	19.5
		Nominal	18.5
0	NR Band n41 (PC2) SRS #1 (HPUE)	Maximum	19.5
		Nominal	18.5
0	NR Band n41 (PC2) SRS #2 (HPUE)	Maximum	12.5
		Nominal	11.5
0	NR Band n41 (PC2) SRS #3 (HPUE)	Maximum	14.0
		Nominal	13.0
0	NR Band n41 (PC2) SRS #4 (HPUE)	Maximum	9.5
		Nominal	8.5
0	NR Band n41 (PC3)	Maximum	19.5
		Nominal	18.5
0	NR Band n41 (PC3) SRS #1	Maximum	19.5
		Nominal	18.5
0	NR Band n41 (PC3) SRS #2	Maximum	12.5
		Nominal	11.5
0	NR Band n41 (PC3) SRS #3	Maximum	14.0
		Nominal	13.0
0	NR Band n41 (PC3) SRS #4	Maximum	9.5
		Nominal	8.5
0	NR Band n48	Maximum	17.0
		Nominal	16.0
0	NR Band n48 SRS #1	Maximum	17.0
		Nominal	16.0
0	NR Band n48 SRS #2	Maximum	10.5
		Nominal	9.5
0	NR Band n48 SRS #3	Maximum	14.0
		Nominal	13.0
0	NR Band n48 SRS #4	Maximum	17.0
		Nominal	16.0
0	NR Band n66	Maximum	25.0
		Nominal	24.0
0	NR Band n71	Maximum	25.0
		Nominal	24.0

Tolerance: -1.5 dB ~ +1.0 dB

DSI	Mode / Band	Modulated Average (dBm)	
		Maximum	Nominal
0	NR Band n77 (PC2) (HPUE)	Maximum	19.5
		Nominal	18.5
0	NR Band n77 (PC2) SRS #1 (HPUE)	Maximum	19.5
		Nominal	18.5
0	NR Band n77 (PC2) SRS #2 (HPUE)	Maximum	12.5
		Nominal	11.5
0	NR Band n77 (PC2) SRS #3 (HPUE)	Maximum	15.5
		Nominal	14.5
0	NR Band n77 (PC2) SRS #4 (HPUE)	Maximum	18.0
		Nominal	17.0
0	NR Band n77 (PC3)	Maximum	19.5
		Nominal	18.5
0	NR Band n77 (PC3) SRS #1	Maximum	19.5
		Nominal	18.5
0	NR Band n77 (PC3) SRS #2	Maximum	12.5
		Nominal	11.5
0	NR Band n77 (PC3) SRS #3	Maximum	15.5
		Nominal	14.5
0	NR Band n77 (PC3) SRS #4	Maximum	18.0
		Nominal	17.0

Tolerance: -1.5 dB ~ +1.0 dB

4.3.2 Reduced Output Power for 3G/4G/5G Bands – (DSI 1, Proximity Sensor activated)

DSI	Mode / Band	Modulated Average (dBm)				
		3GPP UMTS	3GPP HSDPA	3GPP HSUPA	DC-HSDPA	
1	UMTS Band 5 (850 MHz) (Grip Sensor ON)	Maximum	17.0	16.0	16.0	16.0
		Nominal	16.0	15.0	15.0	15.0
1	UMTS Band 4 (1700 MHz) (Grip Sensor ON)	Maximum	14.5	13.5	13.5	13.5
		Nominal	13.5	12.5	12.5	12.5
1	UMTS Band 2 (1900 MHz) (Grip Sensor ON)	Maximum	15.0	14.0	14.0	14.0
		Nominal	14.0	13.0	13.0	13.0

Tolerance: -1.5 dB ~ +1.0 dB

DSI	Mode / Band		Modulated Average (dBm)
1	LTE Band 2 (PCS)	Maximum	15.5
		Nominal	14.5
1	(LTE Band 2) LTE Tx power use sub 2 ANT, when FR1 ENDC combination	Maximum	14.0
		Nominal	13.0
1	LTE Band 4 (AWS)	Maximum	15.0
		Nominal	14.0
1	(LTE Band 4) LTE Tx power use sub 2 ANT, when FR1 ENDC combination	Maximum	15.0
		Nominal	14.0
1	LTE Band 5 (Cell)	Maximum	16.0
		Nominal	15.0
1	UL CA LTE Band 5 (Cell)	Maximum	16.0
		Nominal	15.0
1	LTE Band 7	Maximum	12.5
		Nominal	11.5
1	(LTE Band 7) LTE Tx power use sub 2 ANT, when FR1 ENDC combination	Maximum	12.5
		Nominal	11.5
1	LTE Band 12	Maximum	16.5
		Nominal	15.5
1	LTE Band 13	Maximum	17.0
		Nominal	16.0
1	LTE Band 14	Maximum	17.0
		Nominal	16.0
1	LTE Band 25 (PCS)	Maximum	15.5
		Nominal	14.5
1	(LTE Band 25) LTE Tx power use sub 2 ANT, when FR1 ENDC combination	Maximum	14.0
		Nominal	13.0
1	LTE Band 26 (Cell)	Maximum	16.0
		Nominal	15.0
1	LTE Band 30	Maximum	13.0
		Nominal	12.0
1	(LTE Band 30) LTE Tx power use sub 2 ANT, when FR1 ENDC combination	Maximum	13.0
		Nominal	12.0
1	LTE Band 41 (PC2) (HPUE)	Maximum	14.5
		Nominal	13.5
1	UL CA LTE Band 41 (PC2) (HPUE)	Maximum	14.5
		Nominal	13.5
1	LTE Band 41 (PC3)	Maximum	14.5
		Nominal	13.5
1	UL CA LTE Band 41 (PC3)	Maximum	14.5
		Nominal	13.5
1	LTE Band 48	Maximum	12.5
		Nominal	11.5
1	UL CA LTE Band 48	Maximum	12.5
		Nominal	11.5
1	LTE Band 66	Maximum	15.0
		Nominal	14.0
1	UL CA LTE Band 66	Maximum	15.0
		Nominal	14.0
1	(LTE Band 66) LTE Tx power use sub 2 ANT, when FR1 ENDC combination	Maximum	15.0
		Nominal	14.0
1	LTE Band 71	Maximum	18.0
		Nominal	17.0

Tolerance: -1.5 dB ~ +1.0 dB

DSI	Mode / Band		Modulated Average (dBm)
1	LTE Band 41 (PC2) (HPUE) A-MPR Mode	Maximum	14.5
		Nominal	13.5
1	UL CA LTE Band 41 (PC2) (HPUE) A-MPR Mode	Maximum	14.5
		Nominal	13.5
1	UL CA LTE Band 48 A-MPR Mode	Maximum	12.5
		Nominal	11.5

Tolerance: ~ +1.0 dB

DSI	Mode / Band		Modulated Average (dBm)
1	NR Band n2(n25) (PCS)	Maximum	16.0
		Nominal	15.0
1	NR Band n5 (Cell)	Maximum	16.0
		Nominal	15.0
1	NR Band n7	Maximum	12.5
		Nominal	11.5
1	NR Band n12	Maximum	16.5
		Nominal	15.5
1	NR Band n26 (Cell)	Maximum	16.0
		Nominal	15.0
1	NR Band n30	Maximum	13.0
		Nominal	12.0
1	NR Band n41 (PC2) (HPUE)	Maximum	12.5
		Nominal	11.5
1	NR Band n41 (PC2) SRS #1 (HPUE)	Maximum	11.0
		Nominal	10.0
1	NR Band n41 (PC2) SRS #2 (HPUE)	Maximum	11.0
		Nominal	10.0
1	NR Band n41 (PC2) SRS #3 (HPUE)	Maximum	11.0
		Nominal	10.0
1	NR Band n41 (PC2) SRS #4 (HPUE)	Maximum	9.5
		Nominal	8.5
1	NR Band n41 (PC3)	Maximum	12.5
		Nominal	11.5
1	NR Band n41 (PC3) SRS #1	Maximum	11.0
		Nominal	10.0
1	NR Band n41 (PC3) SRS #2	Maximum	11.0
		Nominal	10.0
1	NR Band n41 (PC3) SRS #3	Maximum	11.0
		Nominal	10.0
1	NR Band n41 (PC3) SRS #4	Maximum	9.5
		Nominal	8.5
1	NR Band n48	Maximum	11.5
		Nominal	10.5
1	NR Band n48 SRS #1	Maximum	10.0
		Nominal	9.0
1	NR Band n48 SRS #2	Maximum	10.0
		Nominal	9.0
1	NR Band n48 SRS #3	Maximum	10.0
		Nominal	9.0
1	NR Band n48 SRS #4	Maximum	10.0
		Nominal	9.0
1	NR Band n66	Maximum	15.5
		Nominal	14.5
1	NR Band n71	Maximum	18.0
		Nominal	17.0

Tolerance: -1.5 dB ~ +1.0 dB

DSI	Mode / Band		Modulated Average (dBm)
1	NR Band n77 (PC2) (HPUE)	Maximum	11.0
		Nominal	10.0
1	NR Band n77 (PC2) SRS #1 (HPUE)	Maximum	9.5
		Nominal	8.5
1	NR Band n77 (PC2) SRS #2 (HPUE)	Maximum	9.5
		Nominal	8.5
1	NR Band n77 (PC2) SRS #3 (HPUE)	Maximum	9.5
		Nominal	8.5
1	NR Band n77 (PC2) SRS #4 (HPUE)	Maximum	9.5
		Nominal	8.5
1	NR Band n77 (PC3)	Maximum	11.0
		Nominal	10.0
1	NR Band n77 (PC3) SRS #1	Maximum	9.5
		Nominal	8.5
1	NR Band n77 (PC3) SRS #2	Maximum	9.5
		Nominal	8.5
1	NR Band n77 (PC3) SRS #3	Maximum	9.5
		Nominal	8.5
1	NR Band n77 (PC3) SRS #4	Maximum	9.5
		Nominal	8.5

Tolerance: -1.5 dB ~ +1.0 dB

4.3.3 Maximum 2.4 GHz, 5 GHz WIFI output power

Mode	SISO						MIMO					
	a	b	g	n	ac	ax(SU)	a	b	g	n	ac	ax(SU)
2.4 GHz		18.0	17.0 1ch : 15.0 2ch : 15.0 11ch : 15.0	17.0 1ch : 15.0 2ch : 15.0 11ch : 15.0		17.0 1ch : 13 2ch : 14 3-4ch : 15 10ch : 15 11ch : 14		21.0	20.0 1ch : 18.0 2ch : 18.0 11ch : 18.0	20.0 1ch : 18.0 2ch : 18.0 11ch : 18.0		20.0 1ch : 16 2ch : 17 3-4ch : 18 10ch : 18 11ch : 17
5 GHz(20 MHz BW)	16.0			16.0	16.0	16.0	19.0			19.0	19.0	19.0
5 GHz(40 MHz BW)				16.0 38ch : 15.5 62ch : 15 102ch : 15	16.0 38ch : 15.5 62ch : 15 102ch : 15.5	16.0			19.0 38ch : 18.5 62ch : 18 102ch : 18	19.0 38ch : 18.5 62ch : 18 102ch : 18.5		19.0
5 GHz(80 MHz BW)					15.0 58ch : 14.5	15.0					18.0 58ch : 17.5	18.0
5 GHz(160 MHz BW)						14.0					17.0 50ch : 14.5 114ch : 14.5 163ch : 17.0	17.0

(Upper Tolerance: target ~ +1.0 dB)

4.3.4 Reduced 2.4 GHz, 5 GHz WIFI output power -Grip Active.

Mode	SISO						MIMO					
	a	b	g	n	ac	ax(SU)	a	b	g	n	ac	ax(SU)
2.4 GHz		11.0	11.0	11.0		11.0		14.0	14.0	14.0		14.0
5 GHz (20 MHz)	7.5			7.5	7.5	7.5	10.5			10.5	10.5	10.5
5 GHz (40 MHz)				7.5	7.5	7.5				10.5	10.5	10.5
5 GHz (80 MHz)					7.5	7.5					10.5	10.5
5 GHz (160 MHz)					7.5	7.5					10.5	10.5

(Upper Tolerance: target ~ +1.0 dB)

4.3.5 Reduced 2.4 GHz, 5 GHz WIFI output power -RSDB, mmWave, Sub6

Mode	SISO						MIMO					
	a	b	g	n	ac	ax(SU)	a	b	g	n	ac	ax(SU)
2.4 GHz		10.0	10.0	10.0		10.0		13.0	13.0	13.0		13.0
5 GHz (20 MHz)	7.0			7.0	7.0	7.0	10.0			10.0	10.0	10.0
5 GHz (40 MHz)				7.0	7.0	7.0				10.0	10.0	10.0
5 GHz (80 MHz)					7.0	7.0					10.0	10.0
5 GHz (160 MHz)					7.0	7.0					10.0	10.0

(Upper Tolerance: target ~ +1.0 dB)

4.3.6 Maximum Power 802.11ax RU Power

Tones	SISO (ANT1/2) /in dBm					MIMO (ALL) /in dBm				
	2.4G	5G/20 MHz	5G/40 MHz	5G/80 MHz	5G/160 MHz	2.4G	5G/20 MHz	5G/40 MHz	5G/80 MHz	5G/160 MHz
26T	13.0					16.0	10.5	10.5	10.5	50ch : 8 114ch : 6 163ch : 6
52T	14.0					17.0	12.5	12.5	12.5	50ch : 8 114ch : 7 163ch : 11
106T	14.0					17.0	14.0	14.0	14.0	8.0
242T	14.0					17.0	16.0	15.0	14.0	13.0
484T								15.0	14.0	13.0
996T									14.0	13.0
996T*2										13.0

(Upper Tolerance: target ~ +1.0 dB)

4.3.7 Reduced Power 802.11ax RU Tx power – Grip Active

Tones	SISO (ANT1/2) /in dBm					MIMO (ALL) /in dBm				
	2.4G	5G/20 MHz	5G/40 MHz	5G/80 MHz	5G/160 MHz	2.4G	5G/20 MHz	5G/40 MHz	5G/80 MHz	5G/160 MHz
26T	11.0					14.0	10.5	10.5	10.5	10.5
52T	11.0					14.0	10.5	10.5	10.5	10.5
106T	11.0					14.0	10.5	10.5	10.5	10.5
242T	11.0					14.0	10.5	10.5	10.5	10.5
484T								10.5	10.5	10.5
996T									10.5	10.5
996T*2										10.5

(Upper Tolerance: target ~ +1.0 dB)

4.3.8 Reduced Power 802.11ax RU Tx power – RSDB, mmWave, Sub6 Active

Tones	SISO (ANT1/2) /in dBm					MIMO (ALL) /in dBm				
	2.4G	5G/20 MHz	5G/40 MHz	5G/80 MHz	5G/160 MHz	2.4G	5G/20 MHz	5G/40 MHz	5G/80 MHz	5G/160 MHz
26T	8.0					11.0	10.0	10.0	10.0	10.0
52T	8.0					11.0	10.0	10.0	10.0	10.0
106T	8.0					11.0	10.0	10.0	10.0	10.0
242T	8.0					11.0	10.0	10.0	10.0	10.0
484T								10.0	10.0	10.0
996T									10.0	10.0
996T*2										10.0

(Upper Tolerance: target ~ +1.0 dB)

4.3.9 Maximum 6 GHz WIFI output power, () : power for 6E dual client

Mode	MIMO			
	802.11a		802.11 ax(SU)	
	Nominal	Maximum	Nominal	Maximum
U-NII 6-7 GHz (20 MHz BW)	12.0	13.0	12.0 (12.0)	13.0 (13.0)
U-NII 6-7 GHz (40 MHz BW)			12.0 (12.0)	13.0 (13.0)
U-NII 6-7 GHz (80 MHz BW)			12.0 (12.0)	13.0 (13.0)
U-NII 6-7 GHz (160 MHz BW)			12.0 (12.0)	13.0 (13.0)

(Upper Tolerance: target ~ +1.0 dB)

4.3.10 Reduced Power 6 GHz WIFI output power -Grip Active.

Mode	MIMO			
	802.11a		802.11 Ax(SU)	
	Nominal	Maximum	Nominal	Maximum
U-NII 6-7 GHz (20 MHz BW)	11.0	12.0	11.0	12.0
U-NII 6-7 GHz (40 MHz BW)			10.5	11.5
U-NII 6-7 GHz (80 MHz BW)			10.5	11.5
U-NII 6-7 GHz (160 MHz BW)			10.5	11.5

(Upper Tolerance: target ~ +1.0 dB)

4.3.11 Reduced Power 6 GHz WIFI output power - RSDB, mmWave, Sub6 Active.

Mode	MIMO			
	802.11a		802.11 Ax(SU)	
	Nominal	Maximum	Nominal	Maximum
U-NII 6-7 GHz (20 MHz BW)	9.0	10.0	9.0	10.0
U-NII 6-7 GHz (40 MHz BW)			8.5	9.5
U-NII 6-7 GHz (80 MHz BW)			8.5	9.5
U-NII 6-7 GHz (160 MHz BW)			8.5	9.5

(Upper Tolerance: target ~ +1.0 dB)

4.3.12 Maximum 6 GHz 802.11ax RU Power, () : power for 6E dual client

Tones	MIMO			
	6G/20 MHz	6G/40 MHz	6G/80 MHz	6G/160 MHz
26T	3.0 (12.0) 2ch : 0 (0)	3.0 (12.0)	3.0 (12.0)	3.0 (12.0)
52T	6.0 (12.0) 2ch : 3.0 (3.0)	6.0 (12.0)	6.0 (12.0)	6.0 (12.0)
106T	9.0 (12.0) 2ch : 5.0 (5.0)	9.0 (12.0)	9.0 (12.0)	9.0 (12.0)
242T	12.0 (12.0) 2ch : 8.0 (8.0)	11.5 (12.0)	11.5 (12.0)	11.5 (12.0)
484T		11.5 (12.0)	11.5 (12.0)	11.5 (12.0)
996T			11.5 (12.0)	11.5 (12.0)
996T*2				11.5 (12.0)

(Upper Tolerance: target ~ +1.0 dB)

4.3.13 Reduced Power 6 GHz 802.11ax RU Power- Grip Active.

Tones	MIMO			
	6G/20 MHz	6G/40 MHz	6G/80 MHz	6G/160 MHz
26T	3.0	3.0	3.0	3.0
52T	6.0	6.0	6.0	6.0
106T	9.0	9.0	9.0	9.0
242T	11.0	10.5	10.5	10.5
484T		10.5	10.5	10.5
996T			10.5	10.5
996T*2				10.5

(Upper Tolerance: target ~ +1.0 dB)

4.3.14 Reduced Power 6 GHz 802.11ax RU Power- RSDB, mmWave, Sub6 Active.

Tones	MIMO			
	6G/20 MHz	6G/40 MHz	6G/80 MHz	6G/160 MHz
26T	3.0	3.0	3.0	3.0
52T	6.0	6.0	6.0	6.0
106T	9.0	8.5	8.5	8.5
242T	9.0	8.5	8.5	8.5
484T		8.5	8.5	8.5
996T			8.5	8.5
996T*2				8.5

(Upper Tolerance: target ~ +1.0 dB)

4.3.15 Maximum Bluetooth Power

Mode / Band		Modulated Average (dBm)	
		Ant.1	Ant.2
Bluetooth BDR DH5	2402	16.0	15.5
	2440		
	2480		
Bluetooth EDR 2-DH5	2402	14.0	13.5
	2440		
	2480		
Bluetooth EDR 3-DH5	2402	14.0	13.5
	2440		
	2480		
Bluetooth LE High Power 1M/2M		11.0	10.5
Bluetooth LE High Power 125/500KBP		11.0	10.5

(Upper Tolerance: target ~ +1.0 dB)

4.3.16 Reduced Bluetooth Power – Grip, RSDB, mmWave, Sub6 Active.

Mode / Band		Modulated Average (dBm)	
		Ant.1	Ant.2
Bluetooth BDR DH5	2402	8.0	7.5
	2440	8.0	7.5
	2480	7.0	6.5
Bluetooth EDR 2-DH5	2402	8.0	7.5
	2440	8.0	7.5
	2480	7.0	6.5
Bluetooth EDR 3-DH5	2402	8.0	7.5
	2440	8.0	7.5
	2480	7.0	6.5
Bluetooth LE 1M(37)	0	7.5	7.0
	19	7.5	7.0
	39	7.5	7.0
Bluetooth LE 1M(255)	0	7.5	7.0
	19	7.5	7.0
	39	7.5	7.0
Bluetooth LE 2M(37)	0	7.5	7.0
	19	7.5	7.0
	39	7.5	7.0
Bluetooth LE 2M(255)	0	7.5	7.0
	19	7.5	7.0
	39	7.5	7.0
Bluetooth LE 125K(37)	0	7.5	7.0
	19	7.5	7.0
	39	7.5	7.0
Bluetooth LE 125K(255)	0	7.5	7.0
	19	7.5	7.0
	39	7.5	7.0
Bluetooth LE 500K(37)	0	7.5	7.0
	19	7.5	7.0
	39	7.5	7.0
Bluetooth LE 500K(255)	0	7.5	7.0
	19	7.5	7.0
	39	7.5	7.0

(Upper Tolerance: target ~ +1.0 dB)

4.4 4G/5G Mode Information

	Item.	Description
Frequency Range	LTE Band 2 (PCS)	1 850.7 MHz ~ 1 909.3 MHz
	LTE Band 4 (AWS)	1 710.7 MHz ~ 1 754.3 MHz
	LTE Band 5 (Cell)	824.7 MHz ~ 848.3 MHz
	LTE Band 7	2 502.5 MHz ~ 2 567.5 MHz
	LTE Band 12	699.7 MHz~ 715.3 MHz
	LTE Band 13	779.5 MHz ~ 784.5 MHz
	LTE Band 14	790.5 MHz ~ 795.5 MHz
	LTE Band 25 (PCS)	1 850.7 MHz ~ 1 914.3 MHz
	LTE Band 26 (Cell)	814.7 MHz ~ 848.3 MHz
	LTE Band 30	2 307.5 MHz ~ 2 312.5 MHz
	LTE TDD Band 41	2 498.5 MHz ~ 2 687.5 MHz
	LTE TDD Band 48	3 552.5 MHz ~ 3 697.5 MHz
	LTE Band 66 (AWS)	1 710.7 MHz ~ 1 779.3 MHz
	LTE Band 71	665.5 MHz ~ 695.5 MHz
	NR Band n2 (PCS)	1 852.5 MHz ~ 1 907.5 MHz
	NR Band n5 (Cell)	826.5 MHz ~ 846.5 MHz
	NR Band n7	2 502.5 MHz ~ 2 567.5 MHz
	NR Band n12	701.5 MHz ~ 713.5 MHz
	NR Band n25	1 852.5 MHz ~ 1 912.5 MHz
	NR Band n26	816.5 MHz ~ 846.5 MHz
	NR Band n30	2 307.5 MHz ~ 2 312.5 MHz
	NR Band n41	2 501.01 MHz ~ 2 685 MHz
	NR Band n48	3 555 MHz ~ 3 695.01 MHz
	NR Band n66 (AWS)	1 712.5 MHz ~ 1 777.5 MHz
	NR Band n71	665.5 MHz - 695.5 MHz
	NR Band n77(DoD)	3 445.01 MHz ~ 3 544.98 MHz
NR Band n77	3 705 MHz ~ 3 975 MHz	
Channel Bandwidths	LTE Band 2 (PCS)	1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE Band 4 (AWS)	1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE Band 5 (Cell)	1.4 MHz, 3 MHz, 5 MHz, 10 MHz
	LTE Band 7	5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE Band 12	1.4 MHz, 3 MHz, 5 MHz, 10 MHz
	LTE Band 13	5 MHz, 10 MHz
	LTE Band 14	5 MHz, 10 MHz
	LTE Band 25 (PCS)	1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE Band 26 (Cell)	1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz
	LTE Band 30	5 MHz, 10 MHz
	LTE TDD Band 41	5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE TDD Band 48	5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE Band 66 (AWS)	1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE Band 71	5 MHz, 10 MHz, 15 MHz, 20 MHz
	NR Band n2 (PCS)	5 MHz, 10 MHz, 15 MHz, 20 MHz
	NR Band n5 (Cell)	5 MHz, 10 MHz, 15 MHz, 20 MHz
	NR Band n7	5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 40 MHz
	NR Band n12	5 MHz, 10 MHz, 15 MHz
	NR Band n25	5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 40 MHz
	NR Band n26	5 MHz, 10 MHz, 15 MHz, 20 MHz
	NR Band n30	5 MHz, 10 MHz
	NR Band n41	10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70, 80 MHz, 90 MHz, 100 MHz
	NR Band n48	10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz
	NR Band n66 (AWS)	5 MHz, 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz
	NR Band n71	5 MHz, 10 MHz, 15 MHz, 20 MHz
	NR Band n77	10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90 MHz, 100 MHz
NR Band n77 (DoD)	10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90 MHz, 100 MHz	

Mode		Low	Mid	High
		Freq. (MHz) (Ch. No.)	Freq. (MHz) (Ch. No.)	Freq. (MHz) (Ch. No.)
LTE Band 2	1.4 MHz	1 850.7 (18607)	1 880.0 (18900)	1 909.3 (19193)
	3 MHz	1 851.5 (18615)	1 880.0 (18900)	1 908.5 (19185)
	5 MHz	1 852.5 (18625)	1 880.0 (18900)	1 907.5 (19175)
	10 MHz	1 855.0 (18650)	1 880.0 (18900)	1 905.0 (19150)
	15 MHz	1 857.5 (18675)	1 880.0 (18900)	1 902.5 (19125)
	20 MHz	1 860.0 (18700)	1 880.0 (18900)	1 900.0 (19100)
LTE Band 4	1.4 MHz	1 710.7 (19957)	1 732.5 (20175)	1 754.3 (20393)
	3 MHz	1 711.5 (19965)	1 732.5 (20175)	1 753.5 (20385)
	5 MHz	1 712.5 (19975)	1 732.5 (20175)	1 752.5 (20375)
	10 MHz	1 715.0 (20000)	1 732.5 (20175)	1 750.0 (20350)
	15 MHz	1 717.5 (20025)	1 732.5 (20175)	1 747.5 (20325)
	20 MHz	1 720.0 (20050)	1 732.5 (20175)	1 745.0 (20300)
LTE Band 5	1.4 MHz	824.7 (20407)	836.5 (20525)	848.3 (20643)
	3 MHz	825.5 (20415)	836.5 (20525)	847.5 (20635)
	5 MHz	826.5 (20425)	836.5 (20525)	846.5 (20625)
	10 MHz	829.0 (20450)	836.5 (20525)	844.0 (20600)
LTE Band 7	5 MHz	2 502.5 (20775)	2 535 (21100)	2 567.5 (21425)
	10 MHz	2 505 (20800)	2 535 (21100)	2 565 (21400)
	15 MHz	2 507.5 (20825)	2 535 (21100)	2 562.5 (21375)
	20 MHz	2 510 (20850)	2 535 (21100)	2 560 (21350)
LTE Band 12	1.4 MHz	699.7 (23017)	707.5 (23095)	715.3 (23173)
	3 MHz	700.5 (23025)	707.5 (23095)	714.5 (23165)
	5 MHz	701.5 (23035)	707.5 (23095)	713.5 (23155)
	10 MHz	704.0 (23060)	707.5 (23095)	711.0 (23130)
LTE Band 13	5 MHz	779.5 (23205)	782 (23230)	784.5 (23255)
	10 MHz		782 (23230)	
LTE Band 14	5 MHz	790.5 (23305)	793 (23330)	795.5 (23355)
	10 MHz		793 (23330)	
LTE Band 25	1.4 MHz	1 850.7 (26047)	1 882.5 (26365)	1 914.3 (26683)
	3 MHz	1 851.5 (26055)	1 882.5 (26365)	1 913.5 (26675)
	5 MHz	1 852.5 (26065)	1 882.5 (26365)	1 912.5 (26665)
	10 MHz	1 855 (26090)	1 882.5 (26365)	1 910 (26640)
	15 MHz	1 857.5 (26115)	1 882.5 (26365)	1 907.5 (26615)
	20 MHz	1 860 (26140)	1 882.5 (26365)	1 905 (26590)
LTE Band 26	1.4 MHz	814.7 (26697)	831.5 (26865)	848.3 (27033)
	3 MHz	815.5 (26705)	831.5 (26865)	847.5 (27025)
	5 MHz	816.5 (26715)	831.5 (26865)	846.5 (27015)
	10 MHz	819.0 (26740)	831.5 (26865)	844.0 (26990)
	15 MHz	821.5 (26765)	831.5 (26865)	841.5 (26965)
LTE Band 30	5 MHz	2 307.5 (27685)	2 310 (27710)	2 312.5 (27735)
	10 MHz		2 310 (27710)	

Mode		Low / Low-Mid		Mid	Mid-High / High	
		Freq. (MHz) (Ch. No.)		Freq. (MHz) (Ch. No.)	Freq. (MHz) (Ch. No.)	
LTE Band 66 (AWS)	1.4 MHz	1 710.7 (131979)		1 745 (132322)	1 779.3 (132665)	
	3 MHz	1 711.5 (131987)		1 745 (132322)	1 778.5 (132657)	
	5 MHz	1 712.5 (131997)		1 745 (132322)	1 777.5 (132647)	
	10 MHz	1 715.0 (132022)		1 745 (132322)	1 775.0 (132622)	
	15 MHz	1 717.5 (132047)		1 745 (132322)	1 772.5 (132597)	
	20 MHz	1 720.0 (132072)		1 745 (132322)	1 770.0 (132572)	
LTE Band 71	5 MHz	665.5 (133147)		680.5 (133297)	695.5 (133447)	
	10 MHz	668 (133172)		680.5 (133297)	693 (133422)	
	15 MHz	670.5 (133197)		680.5 (133297)	690.5 (133397)	
	20 MHz	673 (133222)		680.5 (133297)	688 (133372)	
LTE TDD Band 41	5 MHz	2 506.0(39750)	2 549.5(40185)	2 593.0(40620)	2 636.5(41055)	2 680.0(41490)
	10 MHz	2 506.0(39750)	2 549.5(40185)	2 593.0(40620)	2 636.5(41055)	2 680.0(41490)
	15 MHz	2 506.0(39750)	2 549.5(40185)	2 593.0(40620)	2 636.5(41055)	2 680.0(41490)
	20 MHz	2 506.0(39750)	2 549.5(40185)	2 593.0(40620)	2 636.5(41055)	2 680.0(41490)
LTE TDD Band 48	5 MHz	3 552.5 (55265)	3 600.8 (55748)	3 649.2 (56232)	3 697.5 (56715)	
	10 MHz	3 555 (55290)	3 601.7 (55757)	3 648.3 (56223)	3 695 (56690)	
	15 MHz	3 557.5 (55315)	3 602.5 (55765)	3 647.5 (56215)	3 692.5 (56665)	
	20 MHz	3 560 (55340)	3 603.3 (55773)	3 646.7 (56207)	3 690 (56640)	

Item.	Description
UE Category	LTE Rel.16, UE DL Cat.20 UL Cat.18
HPUE Power Class	LTE TDD 41 Power Class 3: (Duty: 63.3%) Power Class 2: (Duty:43.3%)
Modulations Supported in UL	QPSK, 16QAM, 64QAM, 256 QAM
LTE MPR Permanently implemented per 3GPP TS 36.101 section 6.2.3	Yes
A-MPR disabled for SAR Testing.	Yes
LTE Carrier Aggregation	Intra-Band & Inter-band DL CA, Intra-Band UL CA, and LAA are supported. Wi-Fi offloading using LTE-U and LWA is not supported. The technical description includes all the possible carrier aggregation combinations.
LTE Release information	This device does not support full CA features on 3GPP Release 16. It supports carrier aggregation, downlink MIMO, and LAA features. The following LTE Release 16 features are not supported Relay, HetNet, Enhanced MIMO, eICI, WiFi offloading, MDH, eMBMA, Cross-Carrier Scheduling, Enhanced SC-FDMA.

Mode	Low		Mid		High		
	Freq. (MHz) (Ch. No.)		Freq. (MHz) (Ch. No.)		Freq. (MHz) (Ch. No.)		
NR Band n2 (PCS)	5 MHz	1 852.5 (370500)		1 880 (376000)		1 907.5 (381500)	
	10 MHz	1 855 (371000)		1 880 (376000)		1 905 (381000)	
	15 MHz	1 857.5 (371500)		1 880 (376000)		1 902.5 (380500)	
	20 MHz	1 860 (372000)		1 880 (376000)		1 900 (380000)	
NR Band n5 (Cell)	5 MHz	826.5 (165300)		836.5 (167300)		846.5 (169300)	
	10 MHz			836.5 (167300)			
	15 MHz			836.5 (167300)			
	20 MHz			836.5 (167300)			
NR Band n7	5 MHz	2 502.5 (500500)		2 535 (507000)		2 567.5 (513500)	
	10 MHz	2 505 (501000)		2 535 (507000)		2 565 (513000)	
	15 MHz	2 507.5 (501500)		2 535 (507000)		2 562.5 (512500)	
	20 MHz	2 510 (502000)		2 535 (507000)		2 560 (512000)	
	25 MHz	2512.5 (502500)		2 535 (507000)		2 557.5 (511500)	
	30 MHz	2 515 (503000)		2 535 (507000)		2 555 (511000)	
	40 MHz	2 520 (504000)		2 535 (507000)		2 550 (510000)	
NR Band n12	5 MHz	701.5 (140300)		707.5 (141500)		713.5 (142700)	
	10 MHz			707.5 (141500)			
	15 MHz			707.5 (141500)			
NR Band n25	5 MHz	1 852.5 (370500)		1 882.5 (376500)		1 912.5 (382500)	
	10 MHz	1 855 (371000)		1 882.5 (376500)		1 910 (382000)	
	15 MHz	1 857.5 (371500)		1 882.5 (376500)		1 907.5 (381500)	
	20 MHz	1 860 (372000)		1 882.5 (376500)		1 905 (381000)	
	25 MHz			1 882.5 (376500)			
	30 MHz			1 882.5 (376500)			
	40 MHz			1 882.5 (376500)			
NR Band n26	5 MHz	816.5 (163300)		831.5 (166300)		846.5 (169300)	
	10 MHz	819 (163800)		831.5 (166300)		844 (168800)	
	15 MHz	821.5 (164300)				841.5 (168300)	
	20 MHz			831.5 (166300)			
NR Band n30	5 MHz			2310 (462000)			
	10 MHz			2310 (462000)			
NR TDD Band n41	10 MHz	2 501.01 (500202)	2 574 (509400)	2 592.99 (518598)	2 639.01 (527802)	2 685 (537000)	
	15 MHz	2 503.5 (500700)	2 548.32 (509664)	2 592.99 (518598)	2 637.81 (527562)	2 682.48 (536496)	
	20 MHz	2 506.02 (501204)	2 549.49 (509898)	2 592.99 (518598)	2 636.49 (527298)	2 679.99 (535998)	
	30 MHz	2 511 (502200)	2 552.01 (510402)	2 592.99 (518598)	2 6347 (526800)	2 674.98 (534996)	
	40 MHz	2 516.01 (503202)	2 567.34 (513468)		2 618.67 (523734)	2 670 (534000)	
	50 MHz	2 521.02 (504204)		2 592.99 (518598)		2 664.99 (532998)	
	60 MHz	2 526 (505200)		2 592.99 (518598)		2 659.98 (531996)	
	70 MHz	2 531.01 (506202)				2655 (531000)	
	80 MHz	2 536.02 (507204)				2 649.99 (529998)	
	90 MHz	2 541 (508200)				2 644.98 (528996)	
	100 MHz			2 592.99 (518598)			
NR TDD Band n48	10 MHz	3 555 (637000)	3 601.68 (640112)	3 648 (643200)		3 695.01 (646334)	
	15 MHz	3 557.49(637166)	3 602.49 (640166)	3 647.49 (643166)		3 692.49 (646166)	
	20 MHz	3 560.01 (637334)	3 603.33 (640222)	3 646.68 (643112)		3 690 (646000)	
	30 MHz	3 565.02 (637668)	3 605.01 (640334)	3 645 (643000)		3 684.99 (645666)	
	40 MHz	3 570 (638000)	3 624.99(641666)			3 679.98 (645332)	

Mode	Low		Mid		High		
	Freq. (MHz) (Ch. No.)		Freq. (MHz) (Ch. No.)		Freq. (MHz) (Ch. No.)		
NR Band n66 (AWS)	5 MHz	1 712.5 (342500)		1 745 (349000)		1 777.5 (355500)	
	10 MHz	1 715 (343000)		1 745 (349000)		1 775 (355000)	
	15 MHz	1 717.5 (343500)		1 745 (349000)		1 772.5 (354500)	
	20 MHz	1 720 (344000)		1 745 (349000)		1 770 (354000)	
	30 MHz			1 745 (349000)			
	40 MHz			1 745 (349000)			
NR Band n71	5 MHz	665.5 (133100)		680.5 (136100)		695.5 (139100)	
	10 MHz	668 (133600)		680.5 (136100)		693 (138600)	
	15 MHz			680.5 (136100)			
	20 MHz			680.5 (136100)			
NR Band n77	10 MHz	3705 (647000)	3759 (650600)	3813(654200)	3867 (657800)	3921 (661400)	3975 (665000)
	15 MHz	3707.52(647168)	3760.5(650700)	3813.49(654232)	3866.5(657766)	3919.5(661300)	3972.48(664832)
	20 MHz	3710.01(647334)	3762 (650800)	3813.99(654266)	3866.01 (657734)	3918 (661200)	3969.99 (664666)
	30 MHz	3715.02(647668)	3765 (651000)	3815.01(654334)	3864.99 (657666)	3915 (661000)	3964.98 (664232)
	40 MHz	3720 (648000)	3768 (651200)	3816 (654400)	3864 (657600)	3912 (660800)	3960 (664000)
	50 MHz	3725.01(648334)	3782.49 (652166)	3840 (656000)		3897.51 (659834)	3954.99 (663666)
	60 MHz	3730.02(648668)	3803.34(653556)			3876.66(658444)	3949.98 (663332)
	70 MHz	3735 (649000)	3804.99(654336)			3875.01(658334)	3945(663000)
	80 MHz	3740.01(649334)		3840 (656000)			3939.99 (662666)
	90 MHz	3745.02(649668)		3840 (656000)		3934.98 (662332)	
NR Band n77 (DoD)	10 MHz	3455.01 (630334)		3500.01 (633334)		3544.99 (630334)	
	15 MHz	3457.5 (630500)		3500.01 (633334)		3542.5 (636166)	
	20 MHz	3459.99 (630666)		3500.01 (633334)		3540 (636000)	
	30 MHz	3459.99 (630666)		3500.01 (633334)		3540 (636000)	
	40 MHz	3470.01 (631334)		3500.01 (633334)		3530.01 (635334)	
	50 MHz	3474.99 (631666)				3525 (635000)	
	60 MHz			3500.01 (633334)			
	70 MHz			3500.01 (633334)			
	80 MHz			3500.01 (633334)			
	90 MHz			3500.01 (633334)			
100 MHz			3500.01 (633334)				

Item.	Description
NR Band n2/n5/n7/n12/n25/n26/n30/n66/n71 SCS	15 kHz
NR Band n41/n48/n77 SCS	30 kHz
3GPP Rel.	Rel.16
A-MPR disabled for SAR Testing.	Yes
5G NR UL/DL FR1	CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM DFT-s-OFDM: $\pi/2$ -BPSK(UL Only), QPSK, 16QAM, 64QAM, 256QAM
Non-Standalone & Standalone are supported. More detailed specifications of the 5G NR bands are contained in the Technical description document.	
EN-DC Carrier Aggregation Possible Combinations	The technical description includes all the possible carrier aggregation Combinations.

4.5 SAR Test Configurations for DUT Antenna Locations

Antenna	Band	Device Configurations for SAR Testing				
		Rear	Top	Left	Right	Bottom
Main 1	UMTS Band 5	Yes	Yes	Yes	Yes	No
Main 1	UMTS Band 4	Yes	Yes	Yes	Yes	No
Main 1	UMTS Band 2	Yes	Yes	Yes	Yes	No
Main 1	LTE Band 2	Yes	Yes	Yes	Yes	No
Main 1	LTE Band 4	Yes	Yes	Yes	Yes	No
Main 1	LTE Band 5	Yes	Yes	Yes	Yes	No
Main 1	LTE Band 7	Yes	Yes	Yes	Yes	No
Main 1	LTE Band 12	Yes	Yes	Yes	Yes	No
Main 1	LTE Band 13	Yes	Yes	Yes	Yes	No
Main 1	LTE Band 14	Yes	Yes	Yes	Yes	No
Main 1	LTE Band 25	Yes	Yes	Yes	Yes	No
Main 1	LTE Band 26	Yes	Yes	Yes	Yes	No
Main 1	LTE Band 30	Yes	Yes	Yes	Yes	No
Main 1	LTE TDD Band 41(PC2)	Yes	Yes	Yes	Yes	No
Main 1	LTE TDD Band 41(PC3)	Yes	Yes	Yes	Yes	No
Main 2	LTE TDD Band 48	Yes	No	Yes	Yes	Yes
Main 1	LTE Band 66	Yes	Yes	Yes	Yes	No
Main 1	LTE Band 71	Yes	Yes	Yes	Yes	No
Main 1	NR Band n2	Yes	Yes	Yes	Yes	No
Main 1	NR Band n5	Yes	Yes	Yes	Yes	No
Main 1	NR Band n7	Yes	Yes	Yes	Yes	No
Main 1	NR Band n12	Yes	Yes	Yes	Yes	No
Main 1	NR Band n25	Yes	Yes	Yes	Yes	No
Main 1	NR Band n26	Yes	Yes	Yes	Yes	No
Main 1	NR Band n30	Yes	Yes	Yes	Yes	No
Main 1	NR Band n41 (PC3)	Yes	Yes	Yes	Yes	No
Main 1	NR Band n41 (PC2)	Yes	Yes	Yes	Yes	No
Main 2	NR Band n48	Yes	No	Yes	Yes	Yes
Main 1	NR Band n66	Yes	Yes	Yes	Yes	No
Main 1	NR Band n71	Yes	Yes	Yes	Yes	No
Main 2	NR Band n77 (PC3)	Yes	Yes	Yes	Yes	Yes
Main 2	NR Band n77 (PC2)	Yes	Yes	Yes	Yes	Yes
Sub 2	LTE FDD With FR1 ENDC (LTE Band 2)	Yes	No	Yes	Yes	Yes
Sub 2	LTE FDD With FR1 ENDC (LTE Band 4)	Yes	No	Yes	Yes	Yes
Sub 2	LTE FDD With FR1 ENDC (LTE Band 7)	Yes	No	Yes	Yes	Yes
Sub 2	LTE FDD With FR1 ENDC (LTE Band 25)	Yes	No	Yes	Yes	Yes
Sub 2	LTE FDD With FR1 ENDC (LTE Band 30)	Yes	No	Yes	Yes	Yes
Sub 2	LTE FDD With FR1 ENDC (LTE Band 66)	Yes	No	Yes	Yes	Yes
WiFi 1	2.4 GHz WLAN / Bluetooth	Yes	Yes	No	Yes	No
WiFi 1	5 /6 GHz WLAN	Yes	Yes	No	Yes	No
WiFi 2	2.4 GHz WLAN / Bluetooth	Yes	Yes	Yes	No	No
WiFi 2	5 /6 GHz WLAN	Yes	Yes	Yes	No	No

Note; All test configurations are based on front view.

Per FCC KDB Publication 616217 D04v01r02, the rear surface and edges of tablet should be tested for SAR compliance with the tablet touching the phantom. The SAR Exclusion Threshold in 447498 D04 v01 can be applied to determine SAR test exclusion for adjacent edge configurations. The closet distance from the antenna to an adjacent tablet edge is used to determine if SAR testing is required for the adjacent edges, with the adjacent edge positioned against the phantom and the edge containing the antenna positioned perpendicular to the phantom.

Since the Dedicated Host Approach is applied, the standalone SAR test exclusion procedure in KDB 447498 D04 v01 is applied in conjunction with KDB 616217 D04v01r02 4.3 to determine the minimum test separation distance:

This device was tested considering the Rear/left/right/top/bottom side for simultaneous transmission analysis of multiple transmitter conditions. The bottom side of the upper antenna and the top surface of the lower antenna excluded according to KDB 616217.

Top surface and bottom, excluding SAR test by FCC KDB 616217 D04v01r02, were analyzed by applying 0.4 w/kg according to FCC KDB 447498 D04 v01 during simultaneous transmission analysis.

4.6 SAR Summation Scenario

According to FCC KDB 447498 D04 v01, transmitters are considered to be transmitting simultaneously when there is overlapping transmission, with the exception of transmissions during network hand-offs with maximum hand-off duration less than 30 seconds. Possible transmission paths for the EUT are shown below paths and are mode in same rectangle to indicate communication modes which share the same path. Modes which share the same transmission path cannot transmit simultaneously with one another.

This device contains multiple transmitters that may operate simultaneously, and therefore requires a simultaneous transmission analysis according to FCC KDB 447498 D04 v01

1	UMTS + Bluetooth ANT 2	Yes
2	UMTS + Bluetooth ANT 2 + WI-FI 6E MIMO	Yes
3	UMTS + Bluetooth ANT 2 + 5 GHz WI-FI MIMO	Yes
4	UMTS + Bluetooth ANT1	Yes
5	UMTS + Bluetooth ANT 1 + WI-FI 6E MIMO	Yes
6	UMTS + Bluetooth ANT 1 + 5 GHz WI-FI MIMO	Yes
7	UMTS + Bluetooth ANT 1 + 2.4 GHz WI-FI Ant 2	Yes
8	UMTS + Bluetooth ANT 1 + 2.4 GHz WI-FI Ant 2 RSDB + 5 GHz WI-FI MIMO RSDB	Yes
9	UMTS + Bluetooth ANT 1 + 2.4 GHz WI-FI Ant 2 RSDB + WI-FI 6E MIMO RSDB	Yes
10	UMTS + 2.4 WI-FI MIMO	Yes
11	UMTS + 2.4 WI-FI MIMO RSDB + WI-FI 6E MIMO RSDB	Yes
12	UMTS + 2.4 WI-FI MIMO RSDB + 5 GHz WI-FI MIMO RSDB	Yes
13	UMTS + 5 GHz WI-FI MIMO	Yes
14	UMTS + WI-FI 6E MIMO	Yes
15	LTE + Bluetooth ANT 2	Yes
16	LTE + Bluetooth ANT 2 + WI-FI 6E MIMO	Yes
17	LTE + Bluetooth ANT 2 + 5 GHz WI-FI MIMO	Yes
18	LTE + Bluetooth ANT1	Yes
19	LTE + Bluetooth ANT 1 + WI-FI 6E MIMO	Yes
20	LTE + Bluetooth ANT 1 + 5 GHz WI-FI MIMO	Yes
21	LTE + Bluetooth ANT 1 + 2.4 GHz WI-FI Ant 2	Yes
22	LTE + Bluetooth ANT 1 + 2.4 GHz WI-FI Ant 2 + 5G NR	Yes
23	LTE + Bluetooth ANT 1 + 2.4 GHz WI-FI Ant 2 RSDB + 5 GHz WI-FI MIMO RSDB	Yes
24	LTE + Bluetooth ANT 1 + 2.4 GHz WI-FI Ant 2 RSDB + WI-FI 6E MIMO RSDB	Yes
25	LTE + 2.4 WI-FI MIMO	Yes
26	LTE + 2.4 WI-FI MIMO RSDB + WI-FI 6E MIMO RSDB	Yes
27	LTE + 2.4 WI-FI MIMO RSDB + 5 GHz WI-FI MIMO RSDB	Yes
28	LTE + 5 GHz WI-FI MIMO	Yes
29	LTE + WI-FI 6E MIMO	Yes
30	Bluetooth ANT 2 +5G NR	Yes
31	Bluetooth ANT 2 + WI-FI 6E MIMO + 5G NR	Yes
32	Bluetooth ANT 2 + 5 GHz WI-FI MIMO + 5G NR	Yes
33	Bluetooth ANT1 + 5G NR	Yes
34	Bluetooth ANT 1 + WI-FI 6E MIMO + 5G NR	Yes
35	Bluetooth ANT 1 + 5 GHz WI-FI MIMO + 5G NR	Yes
36	Bluetooth ANT 1 + 2.4 GHz WI-FI Ant 2 + 5G NR	Yes
37	Bluetooth ANT 1 + 2.4 GHz WI-FI Ant 2 RSDB + 5 GHz WI-FI MIMO RSDB + 5G NR	Yes
38	Bluetooth ANT 1 + 2.4 GHz WI-FI Ant 2 RSDB + WI-FI 6E MIMO RSDB + 5G NR	Yes
39	2.4 WI-FI MIMO + 5G NR	Yes
40	2.4 WI-FI MIMO RSDB + WI-FI 6E MIMO RSDB + 5G NR	Yes
41	2.4 WI-FI MIMO RSDB + 5 GHz WI-FI MIMO RSDB + 5G NR	Yes
42	5 GHz WI-FI MIMO + 5G NR	Yes
43	WI-FI 6E MIMO + 5G NR	Yes

Note:

1. 2.4 GHz Bluetooth ANT 1 and 2.4 GHz Bluetooth ANT 2 cannot transmit simultaneously
2. The device does not support licensed bands simultaneously transmitting.
3. The highest reported SAR for each exposure condition is used for SAR summation purpose.
4. This device supports Bluetooth tethering.
5. This device supports 2x2 MIMO Tx for WLAN 802.11a/g/n/ac/ax. 802.11a/g/n/ac/ax supports CDD and STBC and 802.11n/ac/ax additionally supports SDM. Each WLAN antenna can transmit independently or together when operating with MIMO.
6. LTE/5G NR FR1 + 5G NR FR2 n258, n260 and n261 operations are possible only EN-DC mode only

4.7 SAR Test Considerations

4.7.1 Un-Licensed Transmitter(s)

Since U-NII-1 and U-NII-2A bands have the same maximum output power and the highest reported SAR for U-NII-2A is less than 1.2 W/kg for 1g SAR and is less than 3.0 W/kg for 10g SAR, SAR is not required for U-NII-1 band according to FCC KDB 248227D01v02r02.

This device supports IEEE 802.11ax with the following features:

- a) Up to 160 MHz Bandwidth only for 5/6 GHz
- b) Up to 20 MHz Bandwidth only for 2.4 GHz
- c) No aggregate channel configurations
- d) 2 Tx antenna output
- e) Up to 1024 QAM is supported
- f) TDWR and Band gap channels are supported for 5/6 GHz
- g) MU-MIMO UL Operations are not supported

Per April 2019 TCB Workshop Notes, SAR testing was not required for 802.11ax when applying the initial test configuration procedures of KDB 248227, with 802.11ax considered a higher order 802.11 mode.

4.7.2 Licensed Transmitter(s)

This device is only capable of QPSK HSUPA in the uplink. Therefore, no additional SAR tests are required beyond that described for devices with HSUPA in KDB 941225 D01v03r01.

Per FCC KDB 941225 D01v03r01, 12.2 kbps RMC is the primary mode and HSPA (HSUPA/HSDPA with RMC) is the secondary mode.

Per FCC KDB 941225 D01v03r01, The SAR test exclusion is applied to the secondary mode by the following equation.

$$\text{Adjusted SAR} = \text{Highest Reported SAR} * \frac{\text{Secondary Max tune - up (mW)}}{\text{Primary Max tune - up (mW)}} \leq 1.2 \text{ W/kg.}$$

Based on the highest Reported SAR, the secondary mode is not required.

LTE SAR for the higher modulations and lower bandwidths were not tested since the maximum average output power of all required channels and configurations was not more than 0.5 dB higher than the highest bandwidth; and the reported LTE SAR for the highest bandwidth was less than 1.45 W/kg for all configurations according to FCC KDB 941225 D05v02r05.

This device supports LTE Carrier Aggregation (CA) in the downlink Per FCC KDB publication 941225 D05A v01r02, SAR for LTE DL CA operations was not needed since the maximum average output power in LTE CA mode was not >0.25 dB higher than the maximum output power when downlink carrier aggregation was inactive.

This device supports downlink 4x4 MIMO operations for some LTE bands. Per Ma 2017 TCB Workshop Notes, SAR for 4x4 DL MIMO was not needed since the maximum output power with 4x4 DL MIMO inactive. Additionally, SAR for 4x4 MIMO Downlink Carrier Aggregation mode was not more than 0.25dB higher than the maximum output power with 4x4 MIMO Downlink and downlink carrier aggregation inactive.

This Device supports 64QAM and 256QAM on the uplink and 256QAM on the downlink for LTE Operations. Conducted powers for 64QAM and 256QAM uplink configurations were measured per section 5.1 of FCC KDB 941225 D05v02r05. SAR was not required for 64QAM and 256QAM since the highest maximum output power for 64QAM and 256QAM is ≤ 0.5 dB higher than the same configuration in QPSK and the reported SAR for QPSK configuration is ≤ 1.45 W/Kg, per section 5.2.4 of FCC KDB 941225 D05v02r05.

This device supports LTE/NR capabilities with overlapping transmission frequency ranges. When the supported frequency range of an LTE Band falls completely within an LTE/NR band with a larger transmission frequency range, both LTE Bands have the same target power and both LTE bands share the same transmission path and signal characteristics, SAR was only assessed for the band with the larger transmission frequency range.

LTE Band 4 (1 710.7 MHz ~ 1 754.3 MHz) is covered by LTE Band 66 (1 710.7 MHz ~ 1 779.3 MHz),

LTE Band 2 (1 850.7 MHz ~ 1 909.3 MHz) is covered by LTE Band 25 (1 850.7 MHz ~ 1 914.3 MHz),

LTE Band 5 (824.7 MHz ~ 848.3 MHz) is covered by LTE Band 26 (814.7 MHz ~ 848.3 MHz) only for max power condition

NR band n2 (1 852.5 MHz ~ 1 907.5 MHz) is covered by NR band n25 (1 852.5 MHz ~ 1 912.5 MHz),

NR Band n5 (826.5 MHz ~ 846.5 MHz) is covered by NR Band 26 (816.5 MHz ~ 846.5 MHz)

This device supports both Power class 2(PC2) and Power class 3(PC3) for LTE TDD Band 41. Per May 2017 TCB Workshop Notes, SAR tests were performed with Power class 3. Additionally, SAR testing for the power class 2 condition was evaluated for the highest configuration in power class 3 for each test configuration to confirm the results were scaleable linearly.

When Power reduction is applied for LTE TDD Band 41 PC2, became the same power level as PC3.

This device supports LTE Carrier Aggregation (CA) for LTE Band 5, LTE Band 66 LTE TDD Band 41 and LTE TDD Band 48 with two component carriers in the uplink. SAR Measurements and conducted powers were evaluated per 2017 Fall TCB Workshop Notes.

This device supports 5G NR for Bands n258, n260, and n261. RF Exposure assessment and simultaneous transmission analysis for these bands can be found in SM-X818U_Part 1 Power Density Test Report.

Per FCC KDB 690783 1 D01 SAR Listings on Grants v01r03 and KDB 447498 D04 v01. The SAR numbers listed must be consistent with the highest reported test results required by the published RF exposure KDB procedures. When the measured SAR is not at the maximum tune-up tolerance limit or maximum output power allowed for production units, the measured results are scaled to the maximum conditions to determine compliance; the scaled results are referred to as the reported SAR.

The Reported SAR = The Measured SAR * $\frac{\text{Maximum tune-up (mW)}}{\text{Measured Conducted Power (mW)}}$

FCC KDB 447498 D04 v01 General RF Exposure Guidance introduces a new formula for calculating the SAR a Peak Location Separation Ratio (SPLSR) between pairs of simultaneously transmitting antennas:

$$SPLSR_i = (SAR_1 + SAR_2)^{1.5} / R_i$$

Where:

SAR_1 is the highest measured or estimated SAR for the first of a pair of simultaneous transmitting antennas, in a specific test operating mode and exposure condition

SAR_2 is the highest measured or estimated SAR for the second of a pair of simultaneous transmitting antennas, in the same test operating mode and exposure condition as the first

R_i is the separation distance between the pair of simultaneous transmitting antennas, When the SAR is measured, for both antennas in the pair, it is determined by the actual x, y and z coordinates in the 1-g SAR for

each SAR peak location, based on the extrapolated and interpolated result in the zoom scan measurement, using the formula of $[(X_1 - X_2)^2 + (Y_1 - Y_2)^2 + (Z_1 - Z_2)^2]$

In order for a pair of simultaneous transmitting antennas with the sum 1-g of SAR > 1.6 W/kg and with the sum 10-g of SAR > 4W/Kg to qualify for exemption from Simultaneous Transmission SAR measurements, it has to satisfy the condition of:

$(SAR_1 + SAR_2)^{1.5} / R_i \leq 0.04$ for 1g SAR and $(SAR_1 + SAR_2)^{1.5} / R_i \leq 0.1$ for 10g SAR.

5. Introduction

The FCC has adopted the guidelines for evaluating the environmental effects of radio frequency radiation in ET Docket 93-62 on Aug. 6, 1996 to protect the public and workers from the potential hazards of RF emissions due to FCC-regulated portable devices.

The safety limits used for the environmental evaluation measurements are based on the criteria published by the American National Standards Institute (ANSI) for localized specific absorption rate (SAR) in IEEE/ANSI C95.1-1992 Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz. 1992 by the Institute of Electrical and Electronics Engineers, Inc., New York 10017. The measurement procedure described in IEEE/ANSI C95.3-1992 Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields - RF and Microwave is used for guidance in measuring SAR due to the RF radiation exposure from the Equipment Under Test (EUT). These criteria for SAR evaluation are similar to those recommended by the National Council on Radiation Protection and Measurements (NCRP) in Biological Effects and Exposure Criteria for Radio Frequency Electromagnetic Fields," NCRP Report No. 86 NCRP, 1986, Bethesda, MD 20814. SAR is a measure of the rate of energy absorption due to exposure to an RF transmitting source. SAR values have been related to threshold levels for potential biological hazards.

SAR Definition

Specific Absorption Rate (SAR) is defined as the time derivative of the incremental electromagnetic energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dV) of a given density (r). It is also defined as the rate of RF energy absorption per unit mass at a point in an absorbing body.

$$SAR = \frac{d}{dt} \left(\frac{dU}{dm} \right)$$

Figure 1. SAR Mathematical Equation
SAR is expressed in units of Watts per Kilogram (W/kg)

Where:

- = conductivity of the tissue-simulant material (S/m)
- = mass density of the tissue-simulant material (kg/m³)
- = Total RMS electric field strength (V/m)

NOTE: The primary factors that control rate of energy absorption were found to be the wavelength of the incident field in relations to the dimensions and geometry of the irradiated organism, the orientation of the organism in relation to the polarity of field vectors, the presence of reflecting surfaces, and whether conductive contact is made by the organism with a ground plane.

6. Description of test equipment

6.1 SAR MEASUREMENT SETUP

These measurements are performed using the DASY4 automated dosimetric assessment system. It is made by Schmid & Partner Engineering AG (SPEAG) in Zurich, Switzerland. It consists of high precision robotics system (Staubli), robot controller, Pentium III computer, near-field probe, probe alignment sensor, and the generic twin phantom containing the brain equivalent material. The robot is a six-axis industrial robot performing precise movements to position the probe to the location (points) of maximum electromagnetic field (EMF) (see Figure.2).

A cell controller system contains the power supply, robot controller, teach pendant (Joystick), and remote control, is used to drive the robot motors. The PC with Windows XP or Windows 7 is working with SAR Measurement system DASY4 & DASY5, A/D interface card, monitor, mouse, and keyboard. The Staubli Robot is connected to the cell controller to allow software manipulation of the robot. A data acquisition electronic (DAE) circuit performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. is connected to the Electro-optical coupler (EOC). The EOC performs the conversion from the optical into digital electric signal of the DAE and transfers data to the PC plug-in card.

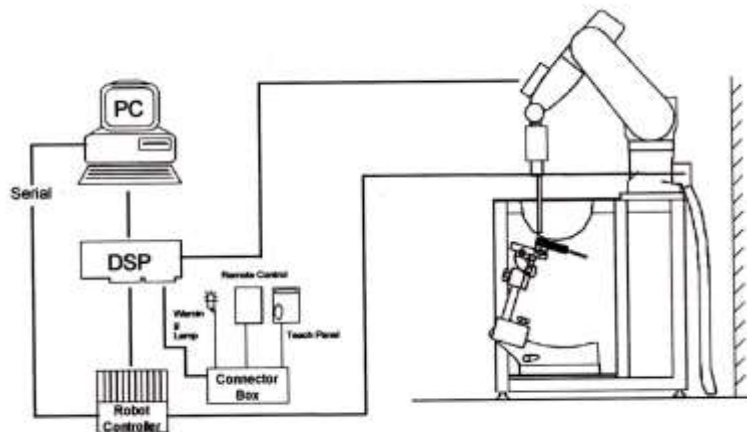


Figure 2. HCT SAR Lab. Test Measurement Set-up

The DAE consists of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder and control logic unit. Transmission to the PC-card is accomplished through an optical downlink for data and status information and an optical uplink for commands and clock lines. The mechanical probe mounting device includes two different sensor systems for frontal and sidewise probe contacts. They are also used for mechanical surface detection and probe collision detection. The robot uses its own DSP controller with a built in VME-bus computer. The system is described in detail in.

7. SAR Measurement Procedure

The evaluation was performed using the following procedure compliant to FCC KDB Publication 865664 D01v01r04 and IEEE 1528-2013.

1. The SAR distribution at the exposed side of the head or body was measured at a distance no more than 5.0 mm from the inner surface of the shell. The area covered the entire dimension of the DUT's head and body area and the horizontal grid resolution was depending on the FCC KDB 865664 D01v01r04 table 4-1 & IEEE 1528-2013.
2. Based on step, the area of the maximum absorption was determined by sophisticated interpolations routines implemented in DASY software. When an Area Scan has measured all reachable point. DASY system computes the field maximal found in the scanned are, within a range of the maximum. SAR at this fixed point was measured and used as a reference value.
3. Around this point, a volume was assessed according to the measurement resolution and volume size requirements of FCC KDB 865664 D01v01r04 table 4-1 and IEEE 1528-2013. On the basis of this data set, the spatial peak SAR value was evaluated with the following procedure (reference from the DASY manual.)
 - a. The data at the surface were extrapolated, since the center of the dipoles is no more than 2.7 mm away from the tip of the probe (it is different from the probe type) and the distance between the surface and the lowest measuring point is 1.2 mm. The extrapolation was based on a least square algorithm. A polynomial of the fourth order was calculated through the points in z-axes. This polynomial was then used to evaluate the points between the surface and the probe tip.
 - b. The maximum interpolated value was searched with a straight-forward algorithm. Around this maximum the SAR values averaged over the spatial volumes (1 g or 10 g) were computed using the 3D-Spline interpolation algorithm. The 3D-spline is composed of three one-dimensional splines with the "Not a knot" condition (in x, y, and z directions. The volume was integrated with the trapezoidal algorithm. One thousand points (10 x 10 x 10) were interpolated to calculate the average.
 - c. All neighboring volumes were evaluated until no neighboring volume with a higher average value was found.
4. The SAR reference value, at the same location as step 2, was re-measured after the zoom scan. If the value changed by more than 5 %, the SAR evaluation and drift measurements were repeated.

Area scan and zoom scan resolution setting follow KDB 865664 D01v01r04 quoted below.

		≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (Geometric center of probe sensors) to phantom surface		5±1 mm	$\delta \cdot \ln(2) \pm 0.5$ mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location		30°±1°	20°±1°
Maximum area scan Spatial resolution: Δx_{Area} , Δy_{Area}		≤ 2 GHz: ≤15 mm 2-3 GHz: ≤12 mm	3-4 GHz: ≤12 mm 4-6 GHz: ≤10 mm
		When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	
Maximum zoom scan Spatial resolution: Δx_{zoom} , Δy_{zoom}		≤ 2 GHz: ≤8 mm 2-3 GHz: ≤5 mm*	3-4 GHz: ≤5 mm* 4-6 GHz: ≤4 mm*
Maximum zoom scan Spatial resolution normal to phantom surface	uniform grid: $\Delta z_{zoom}(n)$	≤ 5 mm	3-4 GHz: ≤4 mm 4-5 GHz: ≤3 mm 5-6 GHz: ≤2 mm
	graded grid	$\Delta z_{zoom}(1)$: between 1 st two Points closest to phantom surface	≤ 4 mm 3-4 GHz: ≤3 mm 4-5 GHz: ≤2.5 mm 5-6 GHz: ≤2 mm
		$\Delta z_{zoom}(n>1)$: between subsequent Points	≤1.5 · $\Delta z_{zoom}(n-1)$
Minimum zoom scan volume	x, y, z	≥ 30 mm	3-4 GHz: ≥28 mm 4-5 GHz: ≥25 mm 5-6 GHz: ≥22 mm
Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details. * When zoom scan is required and the reported SAR from the area scan based 1-g SAR estimation procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.			

8. Description of Test Position

8.1 Device Holder

The device holder is made out of low-loss POM material having the following dielectric parameters: relative permittivity ϵ and loss tangent $\delta=0.02$.

8.2 SAR Testing for Tablet Per KDB Publication 616217 D04v01r02

Per FCC KDB Publication 616217 D04v01r02, the back surface and edges of the tablet should be tested for SAR compliance with the tablet touching the phantom. The SAR Exclusion Threshold in KDB 447498 D04 v01 can be applied to determine SAR test exclusion for adjacent edge configuration. The closest distance from the antenna to an adjacent tablet edge is used to determine if SAR testing is required for the adjacent edges, with the adjacent edge positioned against the phantom and the edge containing the antenna positioned perpendicular to the phantom.

8.3 Proximity Sensor Considerations.

This device uses a sensor to reduce output powers in certain use conditions when the device is used close the user's body.

When the sensor detects a user is touching the device on or near to the antenna the device reduces the maximum allowed output power. However, the proximity sensor is not active when the device is moved beyond the sensor triggering distance and the maximum output power is no longer limited. Therefore, an additional exposure condition is needed in the vicinity of the triggering distance to ensure SAR is compliant when the device is allowed to operate at a non-reduced output power level.

FCC KDB 616217 D04 Section 8 and additional FCC guidance were used as a guideline for selecting SAR test distances for this device at these additional exposure conditions. The smallest separation distance determined by the sensor triggering and sensor coverage for each applicable edge, minus 1 mm. was used as the test separation distance for SAR testing. Sensor triggering distance evaluation is provided in a separate document.

The required separation distance to evaluate SAR at full powers were:

Wireless technologies	Position	§6.2 Triggering Distance [mm]	§6.3 Coverage	§6.4 Tilt Angle	Worst case distance for Body SAR [mm]
Main Ant 1	Rear	20	N/A	N/A	19
	Top	20	N/A	N/A	19
Main Ant 2	Rear	20	N/A	N/A	19
	Left	10	N/A	N/A	9
	Bottom	23	N/A	N/A	22
WLAN /BT Ant 1	Rear	20	N/A	N/A	19
	Right	10	N/A	N/A	9
	Top	20	N/A	N/A	19
WLAN /BT Ant 2 / Sub Ant 3	Rear	20	N/A	N/A	19
	Left	10	N/A	N/A	9
	Top	18	N/A	N/A	17
Sub Ant 2	Rear	20	N/A	N/A	19
	Bottom	25	N/A	N/A	24

9. RF Exposure Limits

HUMAN EXPOSURE	UNCONTROLLED ENVIRONMENT General Population (W/kg) or (mW/g)	CONTROLLED ENVIRONMENT Occupational (W/kg) or (mW/g)
SPATIAL PEAK SAR * (Partial Body)	1.6	8.0
SPATIAL AVERAGE SAR ** (Whole Body)	0.08	0.4
SPATIAL PEAK SAR *** (Hands / Feet / Ankle / Wrist)	4.0	20.0

NOTES:

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

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

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

Uncontrolled Environments are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure. The general population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

Controlled Environments are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e.as a result of employment or occupation). In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. This exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

10. FCC SAR General Measurement Procedures

Power Measurements for licensed transmitters are performed using a base simulator under digital average power.

10.1 Measured and Reported SAR

Per FCC KDB Publication 447498 D04 v01, when SAR is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance. For simultaneous transmission, the measured aggregate SAR must be scaled according to the sum of the differences between the maximum tune-up tolerance and actual power used to test each transmitter. When SAR is measured at or scaled to the maximum tune-up tolerance limit, the results are referred to as Reported SAR. The highest reported SAR results are identified on the grant of equipment authorization according to procedures in KDB 690783 D01v01r03.

10.2 Procedures Used to Establish RF Signal for SAR

The following procedures are according to FCC KDB 941225 D01v03r01-3G SAR Measurement Procedures. The handset was placed into a simulated call using a base station simulator in a shielded chamber. Such test signals offer a consistent means for testing SAR and are recommended for evaluation SAR measurements were taken with a fully charged battery. In order to verify that the device was tested and maintained at full power, this was configured with the base station simulator. The SAR measurement Software calculates a reference point at the start and end of the test to Check for power drifts. If conducted Power deviations of more than 5 % occurred, the tests were repeated.

10.3 SAR Measurement Conditions for UMTS

10.3.1 Output Power Verification

Maximum output power is verified on the High, Middle and Low channels according to the general descriptions in sec. 5.2 of 3GPP TS 34.121, using the appropriate RMC with TPC (transmit power control) set to all "1s" or applying the required inner loop power control procedures to maintain maximum output power while HSUPA is active. Results for all applicable physical channel configurations (DPCCH, DPDCHn and spreading codes, HS-DPCCH etc) are tabulated in this test report. All configurations that are not supported by the DUT or cannot be measured due to technical or equipment limitations are identified.

10.3.2 Body SAR measurements

SAR for body exposure configurations is measured using the 12.2kbps RMC with the TPC bits all "1s". the 3G SAR test reduction procedure is applied to other spreading codes and multiple DPDCHn configurations supported by the handset with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured using and applicable RMC configuration with the corresponding spreading code or DPDCHn, for the highest reported SAR configuration in 12.2kbps RMC.

10.3.3 SAR Measurements with Rel. 5 HSDPA

The 3G SAR test reduction procedure is applied to HSDPA body configurations with 12.2 kbps RMC as the primary mode. Otherwise, Body SAR for HSDPA is measured using and FRC with H-SET 1 in Sub-test and a 12.2 kbps RMC without HSDPA. Handsets with both HSDPA and HSUPA are tested according to release 6 HSPA test procedures. 8.4.5 SAR Measurement with Rel.6 HSUPA The 3G SAR test Reduction Procedure is applied to HSPA (HSUPA/HSDPA with RMC) body configurations with 12.2 kbps RMC as the primary mode. Otherwise, Body SAR for HSPA is measured with E-DCH Sub-test 5, Using H-Set 1 and QPSK for FRC and a 12.2kbps RMC configured in Test Loop Mode 1 and Power Control algorithm 2, according to the highest reported body SAR configuration in 12.2 kbps RMC without HSPA. When VOIP applies to head exposure, the 3G SAR

test reduction procedure is applied with 12.2 kbps RMC as the primary mode; otherwise, the same HSPA configuration used for body SAR measurements are applied to head exposure testing.

10.3.4 SAR Measurements with Rel. 6 HSUPA

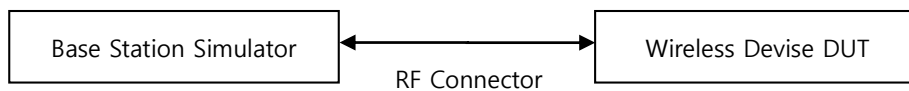
The 3G SAR test reduction procedure is applied to HSPA (HSUPA/HSDPA with RMC) body configurations with 12.2 kbps RMC as the primary mode. Otherwise, Body SAR for HSPA is measured with E-DCH Sub-test 5, using H-Set1 and QPSK for FRC and a 12.2 kbps RMC configured in Test Loop Mode 1 and power control algorithm 2, according to the highest reported body SAR configuration in 12.2 kbps RMC without HSPA.

10.3.5 DC-HSDPA

SAR is required for Rel.8 DC-HSDPA when SAR is required for Rel.5 HSDPA; otherwise, the 3G SAR test reduction procedure is applied to DC-HSDPA with 12.2 kbps RMC as the primary mode. Power is measured for DC-HSDPA according to the H-Set 12, FRC configuration in table C.8.1.12 of 3GPP TS34.121-1 to determine SAR test reduction. Primary and secondary serving HS-DSCH Cell are required to perform the power measurement and for the results to be acceptable.

DC-HSDPA Configurations

- ◆ 3GPP specification TS 34.121-1 Release 8. was used for used for DC-HSDPA guidance.
- ◆ H-set 12(QPSK)was conformed to be used during DC-HSDPA measurements.



10.4 SAR Measurement Conditions for LTE

LTE modes are tested according to FCC KDB 941225 D05v02r05 publication. Establishing connections with base station simulators ensure a consistent means for testing SAR and are recommended for evaluation SAR [4]. The R&S CMW500 or Anritsu MT8820C simulators are used for LTE output power measurements and SAR testing. Closed loop power control was used so the UE transmits with maximum output power during SAR testing. SAR tests were performed with the same number of RB and RB offsets transmitting on all TTI frames (maximum TTI).

10.4.1 Spectrum Plots for RB Configurations

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

10.4.2 MPR

MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS36. 101 Section 6.2.3 – 6.2.5 under Table 6.2.3-1.

10.4.3 A-MPR

A-MPR (Additional MPR) has been disabled for all SAR tests by setting NS=01 on the base station simulator.

10.4.4 Required RB Size and RB offsets for SAR testing

According to FCC KDB 941225 D05v02r05

- a. Per sec 4.2.1, SAR is required for QPSK 1 RB Allocation for the largest bandwidth
 - i. The required channel and offset combination with the highest maximum output power is required for SAR.
 - ii. When the reported SAR is ≤ 0.8 W/Kg, testing of the remaining RB offset configurations and required test channels is not required. Otherwise, SAR is required for the remaining required test channels using the RB offset configuration with highest output power for that channel.
 - iii. When the reported SAR for a required test channel is > 1.45 W/kg, SAR is required for all RB offset configurations for that channel.
- b. Per Sec 4.2.2, SAR is required for 50% RB allocation using the largest bandwidth following the same procedures outlined in Sec 4.2.1.
- c. Per Sec. 4.2.3, QPSK SAR is not required for the 100% allocation when the highest maximum output power for the 100% allocation is less than the highest maximum output power of the 1 RB and 50% RB allocations and the reported SAR for the 1 RB and 50% RB allocations is < 0.8 W/kg.
- d. Per Sec. 4.2.4 and 4.3, SAR test for higher order modulations and lower bandwidths configurations are not required when the conducted power of the required test configurations determined by Sec. 4.2.1 through 4.2.3 is less than or equal to 1/2 dB higher than the equivalent configuration using QPSK modulation and when the QPSK SAR for those configurations is < 1.45 W/Kg.

10.4.5 Downlink Carrier Aggregation

Conducted power measurements with LTE Carrier aggregation (CA) downlink only active are made in accordance to KDB publication 941225 D05Av01r02. The RRC connection is only handled by one cell, the primary component carrier (PCC) for downlink and uplink communications. After making a data connection to the PCC, the UE device adds secondary component carrier (SCC) on the downlink only. All uplink communications and acknowledgements remain identical to specifications when downlink carrier aggregation is inactive on the PCC. For every supported combination of downlink only carrier aggregation, additional conducted output Powers are measured with downlink carrier aggregation active for the configuration with highest measured maximum conducted power with the downlink carrier aggregation inactive measured among the channel bandwidth, modulation and RB combinations in each frequency band. Per FCC KDB Publication 941225 D05Av01r02, no SAR measurements are required for carrier aggregation configurations when the

average output power with downlink only carrier aggregation active is not more than 0.25dB higher than the average output power with downlink only carrier aggregation inactive.

10.4.6 LTE Uplink Carrier Aggregation SAR Measurement Procedure

This device is specified with the same maximum output power and Tune-up tolerances for intra-band contiguous up-link LTE CA_41C, LTE CA_48C, LTE CA_66C, LTE CA_66B and LTE CA_5B.

Per Fall 2017 TCB Workshop Notes, the output Power with uplink CA active was measured for the configuration with the Highest Reported SAR with standalone condition.

10.4.7 LTE(TDD) Considerations

According to KDB 941225 D05v02r05, for Time-Division Duplex (TDD) systems, SAR must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP LTE TDD configurations.

SAR was tested with the highest transmission duty factor (63.33 %) using Uplink-downlink configuration 0 and Special subframe configuration 6. LTE TDD Band 41 supports 3GPP TS 36.211 section 4.2 for Type 2 Frame and Table 4.2-2 for uplink-downlink configurations and Table 4.2-1 for Special sub frame configurations.

According to KDB 941225 D05v02r05, for Time-Division Duplex (TDD) systems, SAR must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP LTE TDD configurations.

SAR was tested with the highest transmission duty factor (63.33 %) using Uplink-downlink configuration 0 and Special subframe configuration 6. LTE TDD Band 41 supports 3GPP TS 36.211 section 4.2 for Type 2 Frame and Table 4.2-2 for uplink-downlink configurations and Table 4.2-1 for Special sub frame configurations.

Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS)

Special subframe configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	$6592 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$	$7680 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$
1	$19760 \cdot T_s$			$20480 \cdot T_s$		
2	$21952 \cdot T_s$			$23040 \cdot T_s$		
3	$24144 \cdot T_s$			$25600 \cdot T_s$		
4	$26336 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$7680 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$
5	$6592 \cdot T_s$			$20480 \cdot T_s$		
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21952 \cdot T_s$			$12800 \cdot T_s$		
8	$24144 \cdot T_s$			-		
9	$13168 \cdot T_s$	-	-	-	-	-

Calculated Duty Cycle – Extended cyclic prefix in uplink x (T_s) x no of S + no of U

Table 4.2-2: Uplink-downlink configurations.

Uplink-downlink configuration	Downlink-to-Uplink Switch-point periodicity	Subframe number									
		0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	U	D	S	U	U	U
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

Example for calculated Duty Cycle for Uplink-Downlink Configuration 0:
 Calculated Duty Cycle = (5120 x (1/(15000 x 2048)) x 2 + 0.006)/0.01 = 63.33 %

Where

$$T_s = 1/(15000 \times 2048) \text{ seconds}$$

HPUE:

Calculated Duty Cycle for Uplink-Downlink Configuration 1:

$$\text{Calculated Duty Cycle} = 5120 \times (1/(15000 \times 2048)) \times 2 + 0.004 / 0.01 = 43.33 \%$$

10.4.8 The Call Box Setup for LTE(TDD)

When you Want to Test for LTE TDD, Please Change Frame Structure TDD and TDD Uplink Downlink Configuration 0 and Special Subframe Configuration 6.

10.5 SAR Testing with 802.11 Transmitters

The normal network operating configurations of 802.11 transmitters are not suitable for SAR measurements. Unpredictable fluctuations in network traffic and antenna diversity conditions can introduce undesirable variations in SAR results. The SAR for these devices should be measured using chipset based test mode software to ensure the results are consistent and reliable. See KDB Publication 248227 D01v02r02 for more details.

10.5.1 General Device Setup

Chipset based test mode software is hardware dependent and generally varies among manufacturers. The device operating parameters established in test mode for SAR measurements must be identical to those programmed in production units, including output power levels, amplifier gain settings and other RF performance tuning parameters.

A periodic duty factor is required for current generation SAR system to measure SAR. When 802.11 frame gaps are accounted for in the transmission, a maximum transmission duty factor of 92-96% is typically achievable in most test mode configurations. A minimum transmission duty factor of 85% is required to avoid certain hardware and device implementation issues related to wide range SAR scaling. The reported SAR is scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

10.5.2 U-NII-1 and U-NII-2A

For devices that operate in both U-NII-1 and U-NII2A bands, when the same maximum output power is specified for both bands, SAR measurement using OFDM SAR test procedures is not required for U-NII-1 unless the highest reported SAR for U-NII-2A is > 1.2 W/kg for 1g SAR or > 3.0 W/kg for 10g SAR. When different maximum output powers are specified for the bands, SAR measurement for the U-NII band with the lower maximum output power is not required unless the highest reported SAR for the U-NII band with the higher maximum output power, adjusted by the ratio of lower to higher specified maximum output power for the two bands, is > 1.2 W/kg for 1g SAR or > 3.0 W/kg for 10g SAR.

10.5.3 U-NII-2C and U-NII-3

The frequency range covered by U-NII-2C and U-NII-3 is 380 MHz (5.47 GHz – 5.85 GHz), which requires a minimum of at least two SAR probe calibration frequency points to support SAR measurements. When Terminal Doppler Weather Radar (TDWR) restriction applies, the channels at 5.60 GHz – 5.65 GHz in U-NII-2C band must be disabled with acceptable mechanisms and documented in the equipment certification.

Unless band gap channels are permanently disabled, SAR must be considered for these channels.

10.5.4 Initial Test Position Procedure

For exposure conditions with multiple test positions, such as handset operating next to the ear, devices with hotspot mode or UMPC mini-tablet, procedures for initial test position can be applied. Using the transmission mode determined by the DSSS procedure or initial test configuration, area scans are measured for all positions in an exposure condition. The test position with the highest extrapolated (peak) SAR is used as the initial test position. When reported SAR for the initial test position is ≤ 0.4 W/kg for 1g SAR and ≤ 1.0 W/kg for 10g SAR, no additional testing for the remaining test position is required. Otherwise, SAR is evaluated at the subsequent highest peak SAR positions until the reported SAR result is ≤ 0.8 W/kg for 1g SAR and ≤ 2.0 W/kg for 10g SAR or all test positions are measured.

10.5.5 2.4 GHz SAR test Requirements

SAR is measured for 2.4 GHz 802.11b DSSS using either the fixed test position or, when applicable, the initial test position procedure. SAR test reduction is determined according to the following:

- 1) When the reported SAR of the highest measured maximum output power channel for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS is that exposure configuration.
- 2) When the reported SAR is > 0.8 W/kg, SAR is required for that position using the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel; i.e., all channels require testing.

2.4 GHz 802.11 g/n/ax OFDM are additionally evaluated for SAR if the highest reported SAR for 802.11b, adjusted by the ratio of the OFDM to DSSS specified maximum output power, is > 1.2 W/kg. When SAR is required for OFDM modes in 2.4 GHz band, the Initial Test Configuration Procedures should be followed.

10.5.6 OFDM Transmission Mode and SAR Test Channel Selection

For the 2.4 GHz and 5 GHz bands, when the same maximum output power was specified for multiple OFDM transmission mode configurations in a frequency band or aggregated band, SAR is measured using the configuration with the largest channel bandwidth, lowest order modulation and lowest data rate and lowest order 802.11 a/g/n/ac mode. When the maximum output power of a channel is the same for equivalent OFDM configurations; for example, 802.11a, 802.11n and 802.11 ac or 802.11g and 802.11n with the same channel bandwidth, modulation and data rate etc., the lower order 802.11 mode i.e., 802.11a, then 802.11n and 802.11ac or 802.11g then 802.11n, is used for SAR measurement. Per April 2019 TCB Workshop guidance 802.11ax was considered the highest order 802.11 mode. When the maximum output power are the same for multiple test channels, either according to the default or additional power measurement requirements, SAR is measured using the channel closest to the middle of the frequency band or aggregated band. When there are multiple channels with the same maximum output power, SAR is measured using the higher number channel.

10.5.7 Initial Test Configuration Procedure

For OFDM, in both 2.4 GHz and 5 GHz bands, an initial test configuration is determined for each frequency band and aggregated band, according to the transmission mode with the highest maximum output power specified for SAR measurements. When the same maximum output power is specified for multiple OFDM transmission mode configurations in a frequency band or aggregated band, SAR is measured using the configuration(s) with the largest channel bandwidth, lowest order modulation, and lowest data rate. If the average RF output powers of the highest identical transmission modes are within 0.25 dB of each other, mid channel of the transmission mode with highest average RF output power is the initial test channel. Otherwise, the channel of the transmission mode with the highest average RF output conducted power will be the initial test configuration.

When the reported SAR is ≤ 0.8 W/kg, no additional measurements on other test channels are required. Otherwise, SAR is evaluated using the subsequent highest average RF output channel until the reported SAR result is 1.2 W/kg or all channels are measured. When there are multiple untested channels having the same subsequent highest average RF output power, the channel with higher frequency from the lowest 802.11 mode is considered for SAR measurements.

10.5.8 Subsequent Test Configuration Procedures

For OFDM configurations in each frequency band and aggregated band, SAR is evaluated for initial test configuration using the fixed test position or the initial test position on procedure. When the highest reported SAR (for the initial test configuration), adjusted by the ratio of the specified maximum output power of the subsequent test configuration to initial test configuration, is ≤ 1.2 W/kg for 1g SAR and ≤ 3.0 W/kg for 10g SAR, no additional SAR tests for the subsequent test configurations are required.

10.5.9 MIMO SAR Considerations

Per KDB Publication 248227 D01v02r02, the simultaneous SAR provisions in KDB publication 447498 D04 v01 should be applied to determine simultaneous transmission SAR test exclusion for WIFI MIMO. If the sum of 1g single transmission chain SAR measurements is < 1.6 W/kg, no additional SAR Measurements for MIMO are

required. Alternatively, SAR for MIMO can be measured with all antennas transmitting simultaneously at the specified maximum output power of MIMO operation.

11. Output Power Specifications

This device operates using the following maximum output power specifications. SAR values were scaled to the maximum allowed power to determine compliance per KDB publication 447498 D04 v01.

Licensed bands

Test Description	Test Procedure Used
Conducted Output Power	- KDB 971168 D01 v03r01 - Section 5.2.4 - ANSI C63.26-2015 - Section 5.2.1 & 5.2.4.2

Test Overview

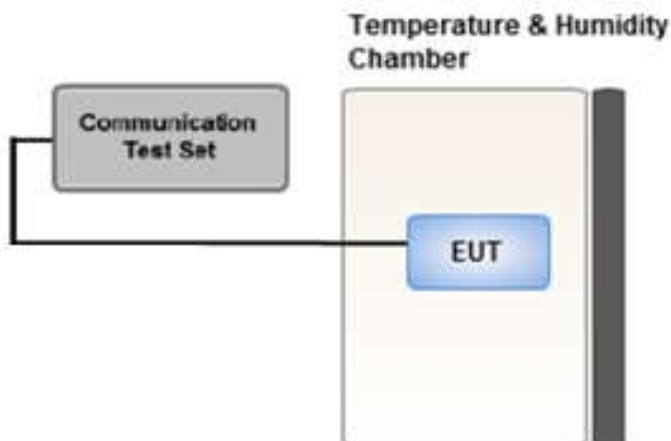
According to ANSI C63.26-2015 Section 5.2.1 when measuring the maximum RF output power from such devices, control over the EUT must be provided either through special test software (provided by manufacturer specifically for compliance testing, but not accessible by an end user) or through use of a base station emulator, communications test set, call box, or similar instrumentation that is capable of establishing a communications link with the EUT to enable control over variable parameters (e.g., output power, OBW, etc.).

In some cases, these instruments also include basic digital spectrum analyzer and/or power meter capabilities that can be utilized to measure the RF output power if the specified detectors and requirements can be realized and the measurement functions have been calibrated.

Test Procedure

1. The RF port of the EUT was connected to the Communication Tester via an RF cable.
2. Conducted average power was measured using a calibrated Radio Communication Tester.

Test setup



11.1 UMTS

HSPA+

This DUT is only capable of QPSK HSPA+ in uplink. Therefore, the RF conducted power is not measured according to 941225 D01v03r01 3G SAR.

11.1.1 UMTS Maximum Conducted Output Power

UMTS Band 5 Maximum Conducted Output Power Main 1 Ant. (DS1 0)

3GPP Release Version	Mode	3GPP 34.121	UMTS Band 5 [dBm]			3GPP MPR
		Subtest	UL 4132 DL 4357	UL 4183 DL 4408	UL 4233 DL 4458	
99	UMTS	12.2 kbps RMC	23.75	23.41	23.71	-
5	HSDPA	Subtest 1	22.71	22.37	22.62	0
5		Subtest 2	22.73	22.12	22.60	0
5		Subtest 3	22.19	20.91	22.13	0.5
5		Subtest 4	22.22	21.87	21.64	0.5
6	HSUPA	Subtest 1	22.70	22.35	22.66	0
6		Subtest 2	20.71	20.30	20.63	2
6		Subtest 3	21.68	21.43	21.65	1
6		Subtest 4	20.69	20.35	20.60	2
6		Subtest 5	22.63	22.35	22.59	0
8	DC-HSDPA	Subtest 1	22.52	22.08	22.25	0
8		Subtest 2	22.54	22.11	22.22	0
8		Subtest 3	22.05	21.60	21.74	0.5
8		Subtest 4	22.02	21.58	21.76	0.5

UMTS Average Conducted output powers

UMTS Band 4 Maximum Conducted Output Power Main 1 Ant. (DS1 0)

3GPP Release Version	Mode	3GPP 34.121	UMTS Band 4 [dBm]			3GPP MPR
		Subtest	UL 1312 DL 1537	UL 1412 DL 1637	UL 1513 DL 1738	
99	UMTS	12.2 kbps RMC	23.53	23.87	23.98	-
5	HSDPA	Subtest 1	22.54	22.87	23.00	0
5		Subtest 2	22.46	22.73	22.95	0
5		Subtest 3	21.96	22.37	22.43	0.5
5		Subtest 4	21.92	22.31	22.46	0.5
6	HSUPA	Subtest 1	22.43	22.81	22.97	0
6		Subtest 2	20.47	20.83	20.94	2
6		Subtest 3	21.48	21.81	21.91	1
6		Subtest 4	20.51	20.83	20.99	2
6		Subtest 5	22.61	22.77	23.05	0
8	DC-HSDPA	Subtest 1	21.98	22.32	22.68	0
8		Subtest 2	21.96	22.32	22.71	0
8		Subtest 3	21.49	21.81	22.20	0.5
8		Subtest 4	21.46	21.83	22.18	0.5

UMTS Average Conducted output powers

UMTS Band 2 Maximum Conducted Output Power Main 1 Ant. (DSI 0)

3GPP Release Version	Mode	3GPP 34.121	UMTS Band 2 [dBm]			3GPP MPR
		Subtest	UL 9262 DL 9662	UL 9400 DL 9800	UL 9538 DL 9938	
99	UMTS	12.2 kbps RMC	23.57	23.89	24.39	-
5	HSDPA	Subtest 1	22.53	22.94	23.34	0
5		Subtest 2	22.49	22.88	23.32	0
5		Subtest 3	21.77	22.35	22.82	0.5
5		Subtest 4	21.79	22.34	22.77	0.5
6	HSUPA	Subtest 1	22.48	22.84	23.31	0
6		Subtest 2	20.58	20.97	21.30	2
6		Subtest 3	21.45	21.92	22.32	1
6		Subtest 4	20.54	20.92	21.35	2
6		Subtest 5	22.48	22.77	23.37	0
8	DC-HSDPA	Subtest 1	22.17	22.84	23.13	0
8		Subtest 2	22.15	22.83	23.15	0
8		Subtest 3	21.65	22.32	22.60	0.5
8		Subtest 4	21.63	22.30	22.62	0.5

UMTS Average Conducted output powers

DC-HSDPA Configurations

- ◆ 3GPP specification TS 34.121-1 Release 8. was used for used for DC-HSDPA guidance.
- ◆ H-set 12(QPSK)was conformed to be used during DC-HSDPA measurements.



11.1.2 UMTS Reduced Conducted Output Power – Proximity Sensor activated

UMTS Band 5 Reduced Conducted Power Main 1 Ant. (DSI 1)

3GPP Release Version	Mode	3GPP 34.121	UMTS Band 5 [dBm]			3GPP MPR
		Subtest	UL 4132 DL 4357	UL 4183 DL 4408	UL 4233 DL 4458	
99	UMTS	12.2 kbps RMC	16.01	15.64	15.97	-
5	HSDPA	Subtest 1	14.72	14.68	14.94	0
5		Subtest 2	14.70	14.69	14.98	0
5		Subtest 3	14.22	14.18	14.43	0.5
5		Subtest 4	14.21	14.17	14.45	0.5
6	HSUPA	Subtest 1	14.92	14.66	14.93	0
6		Subtest 2	12.90	12.72	12.87	2
6		Subtest 3	14.01	13.70	13.92	1
6		Subtest 4	12.92	12.73	12.89	2
6		Subtest 5	14.87	14.59	14.95	0
8	DC-HSDPA	Subtest 1	14.79	14.77	14.76	0
8		Subtest 2	14.70	14.77	14.75	0
8		Subtest 3	14.20	14.21	14.24	0.5
8		Subtest 4	14.21	14.25	14.23	0.5

UMTS Average Conducted output powers

UMTS Band 4 Reduced Conducted Power Main 1 Ant. (DSI 1)

3GPP Release Version	Mode	3GPP 34.121	UMTS Band 4 [dBm]			3GPP MPR
		Subtest	UL 1312 DL 1537	UL 1412 DL 1637	UL 1513 DL 1738	
99	UMTS	12.2 kbps RMC	13.22	13.55	13.61	-
5	HSDPA	Subtest 1	12.25	12.62	12.65	0
5		Subtest 2	12.27	12.56	12.66	0
5		Subtest 3	11.74	12.12	12.15	0.5
5		Subtest 4	11.75	12.13	12.16	0.5
6	HSUPA	Subtest 1	12.19	12.54	12.66	0
6		Subtest 2	10.29	10.58	10.69	2
6		Subtest 3	11.25	11.62	11.67	1
6		Subtest 4	10.32	10.54	10.66	2
6		Subtest 5	12.36	12.64	12.71	0
8	DC-HSDPA	Subtest 1	11.84	12.38	12.54	0
8		Subtest 2	11.85	12.36	12.56	0
8		Subtest 3	11.40	11.83	12.06	0.5
8		Subtest 4	11.38	11.85	12.04	0.5

UMTS Average Conducted output powers

UMTS Band 2 Reduced Conducted Power Main 1 Ant. (DSI 1)

3GPP Release Version	Mode	3GPP 34.121	UMTS Band 2 [dBm]			3GPP MPR
		Subtest	UL 9262 DL 9662	UL 9400 DL 9800	UL 9538 DL 9938	
99	UMTS	12.2 kbps RMC	13.65	13.99	14.58	-
5	HSDPA	Subtest 1	12.65	12.99	13.61	0
5		Subtest 2	12.61	13.13	13.59	0
5		Subtest 3	12.15	12.48	13.12	0.5
5		Subtest 4	12.12	12.52	13.09	0.5
6	HSUPA	Subtest 1	12.74	13.10	13.55	0
6		Subtest 2	10.77	11.12	11.57	2
6		Subtest 3	11.82	12.16	12.58	1
6		Subtest 4	10.78	11.11	11.50	2
6		Subtest 5	12.75	13.15	13.60	0
8	DC-HSDPA	Subtest 1	12.60	12.83	13.22	0
8		Subtest 2	12.59	12.83	13.21	0
8		Subtest 3	12.09	12.38	12.85	0.5
8		Subtest 4	12.06	12.35	12.83	0.5

UMTS Average Conducted output powers

DC-HSDPA Configurations

- ◆ 3GPP specification TS 34.121-1 Release 8. was used for used for DC-HSDPA guidance.
- ◆ H-set 12(QPSK)was conformed to be used during DC-HSDPA measurements.



11.2 LTE Maximum Output Power

LTE B4/B5/B12/B13/B14/B26/B30/B40/B71 at 10 MHz/15 MHz /20 MHz Bandwidth does not support three non-overlapping channels. Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the mid channel of the group of overlapping channels should be selected for testing.

11.2.1 LTE Maximum Conducted Power

[LTE Band 2 Conducted Power _ Main 1 Ant. (DSI 0)]

LTE Band 2 _ 1.4 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18607 Ch. 1850.7 MHz	18900 Ch. 1880 MHz	19193 Ch. 1909.3 MHz		
1.4 MHz	QPSK	1	0	23.88	23.98	24.42	0	0
		1	3	24.02	24.06	24.57	0	0
		1	5	23.93	23.99	24.49	0	0
		3	0	23.93	24.02	24.49	0	1
		3	1	23.81	23.98	24.44	0	1
		3	3	23.84	24.03	24.47	0	1
		6	0	22.84	22.90	23.53	0-1	1
	16QAM	1	0	23.01	23.37	23.80	0-1	1
		1	3	22.92	23.19	23.61	0-1	1
		1	5	23.00	23.29	23.76	0-1	1
		3	0	23.01	23.13	23.52	0-1	2
		3	1	23.02	23.03	23.52	0-1	2
		3	3	22.84	23.16	23.61	0-1	2
		6	0	21.86	21.98	22.48	0-2	2
	64QAM	1	0	21.97	22.09	22.67	0-2	2
		1	3	22.07	22.21	22.77	0-2	2
		1	5	21.99	22.18	22.66	0-2	2
		3	0	21.89	22.14	22.49	0-2	3
		3	1	21.89	22.17	22.60	0-2	3
		3	3	21.88	22.10	22.63	0-2	3
		6	0	20.89	21.01	21.51	0-3	3
	256QAM	1	0	18.93	18.92	19.50	0-5	5
		1	3	18.88	19.10	19.56	0-5	5
		1	5	18.89	19.12	19.44	0-5	5
		3	0	18.88	19.01	19.51	0-5	5
		3	1	18.91	18.96	19.51	0-5	5
		3	3	18.93	19.00	19.63	0-5	5
		6	0	18.88	18.98	19.52	0-5	5

LTE Band 2_ 3 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18615 Ch. 1851.5 MHz	18900 Ch. 1880 MHz	19185 Ch. 1908.5 MHz		
3 MHz	QPSK	1	0	23.78	23.83	24.39	0	0
		1	7	24.00	24.01	24.61	0	0
		1	14	23.89	23.92	24.47	0	0
		8	0	22.90	22.90	23.44	0-1	1
		8	3	22.90	22.94	23.51	0-1	1
		8	7	22.93	23.03	23.50	0-1	1
		15	0	22.85	22.97	23.48	0-1	1
	16QAM	1	0	23.00	23.32	23.57	0-1	1
		1	7	23.11	23.36	23.78	0-1	1
		1	14	23.17	23.16	23.62	0-1	1
		8	0	21.89	21.98	22.48	0-2	2
		8	3	21.88	21.99	22.46	0-2	2
		8	7	21.88	22.02	22.61	0-2	2
		15	0	21.86	22.01	22.40	0-2	2
	64QAM	1	0	21.89	22.07	22.62	0-2	2
		1	7	22.01	22.12	22.78	0-2	2
		1	14	21.84	22.23	22.65	0-2	2
		8	0	20.89	20.95	21.44	0-3	3
		8	3	20.89	20.95	21.47	0-3	3
		8	7	20.85	21.03	21.57	0-3	3
		15	0	20.83	20.98	21.44	0-3	3
	256QAM	1	0	18.92	18.73	19.45	0-5	5
		1	7	18.98	19.19	19.66	0-5	5
		1	14	18.75	18.97	19.65	0-5	5
		8	0	18.88	18.86	19.46	0-5	5
		8	3	18.93	18.96	19.46	0-5	5
		8	7	18.85	19.05	19.51	0-5	5
		15	0	18.80	18.98	19.39	0-5	5

LTE Band 2 _ 5 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18625 Ch. 1852.5 MHz	18900 Ch. 1880 MHz	19175 Ch. 1907.5 MHz		
5 MHz	QPSK	1	0	23.71	23.97	24.49	0	0
		1	12	23.79	24.05	24.57	0	0
		1	24	23.83	24.08	24.48	0	0
		12	0	22.83	22.85	23.37	0-1	1
		12	6	22.93	23.03	23.53	0-1	1
		12	11	22.88	23.01	23.54	0-1	1
		25	0	22.85	22.98	23.39	0-1	1
	16QAM	1	0	23.06	23.13	23.63	0-1	1
		1	12	23.14	23.38	23.83	0-1	1
		1	24	23.00	23.08	23.66	0-1	1
		12	0	21.85	21.97	22.42	0-2	2
		12	6	21.89	22.04	22.39	0-2	2
		12	11	21.93	22.06	22.53	0-2	2
		25	0	21.83	22.04	22.38	0-2	2
	64QAM	1	0	21.91	22.00	22.44	0-2	2
		1	12	21.85	22.28	22.75	0-2	2
		1	24	21.91	22.14	22.56	0-2	2
		12	0	20.87	20.98	21.44	0-3	3
		12	6	20.87	20.98	21.50	0-3	3
		12	11	20.84	21.00	21.52	0-3	3
		25	0	20.84	20.96	21.36	0-3	3
	256QAM	1	0	18.85	19.04	19.44	0-5	5
		1	12	18.93	19.14	19.53	0-5	5
		1	24	18.94	19.05	19.46	0-5	5
		12	0	18.89	18.93	19.34	0-5	5
		12	6	18.96	18.95	19.45	0-5	5
		12	11	18.86	18.99	19.52	0-5	5
		25	0	18.91	19.01	19.36	0-5	5

LTE Band 2 _ 10 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18650 Ch. 1855 MHz	18900 Ch. 1880 MHz	19150 Ch. 1905 MHz		
10 MHz	QPSK	1	0	23.82	23.89	24.41	0	0
		1	24	23.84	24.04	24.50	0	0
		1	49	23.78	24.02	24.48	0	0
		25	0	22.84	22.94	23.31	0-1	1
		25	12	22.86	22.97	23.45	0-1	1
		25	24	22.84	23.07	23.57	0-1	1
		50	0	22.85	23.00	23.38	0-1	1
	16QAM	1	0	23.07	23.06	23.53	0-1	1
		1	24	22.97	23.23	23.62	0-1	1
		1	49	23.07	23.43	23.71	0-1	1
		25	0	21.88	21.94	22.32	0-2	2
		25	12	21.88	22.01	22.38	0-2	2
		25	24	21.86	22.08	22.45	0-2	2
		50	0	21.81	22.05	22.41	0-2	2
	64QAM	1	0	21.96	22.20	22.39	0-2	2
		1	24	21.98	22.30	22.60	0-2	2
		1	49	21.90	22.24	22.57	0-2	2
		25	0	20.79	20.95	21.29	0-3	3
		25	12	20.84	20.94	21.41	0-3	3
		25	24	20.86	21.03	21.49	0-3	3
		50	0	20.84	21.05	21.32	0-3	3
	256QAM	1	0	18.89	18.96	19.31	0-5	5
		1	24	19.04	19.12	19.48	0-5	5
		1	49	18.99	19.01	19.49	0-5	5
		25	0	18.94	18.93	19.32	0-5	5
		25	12	18.91	18.99	19.44	0-5	5
		25	24	18.90	18.95	19.44	0-5	5
		50	0	18.89	19.00	19.36	0-5	5

LTE Band 2 _ 15 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18675 Ch. 1857.5 MHz	18900 Ch. 1880 MHz	19125 Ch. 1902.5 MHz		
15 MHz	QPSK	1	0	23.74	23.76	24.03	0	0
		1	36	23.83	23.93	24.44	0	0
		1	74	23.88	24.14	24.39	0	0
		36	0	22.77	22.85	23.16	0-1	1
		36	18	22.81	22.89	23.21	0-1	1
		36	39	22.77	22.97	23.37	0-1	1
		75	0	22.78	22.86	23.27	0-1	1
	16QAM	1	0	22.82	22.88	23.30	0-1	1
		1	36	22.75	22.98	23.48	0-1	1
		1	74	22.82	23.35	23.59	0-1	1
		36	0	21.66	21.85	22.19	0-2	2
		36	18	21.74	21.86	22.24	0-2	2
		36	39	21.75	21.98	22.38	0-2	2
		75	0	21.75	21.88	22.22	0-2	2
	64QAM	1	0	21.89	21.80	22.20	0-2	2
		1	36	21.88	22.00	22.26	0-2	2
		1	74	21.97	22.19	22.82	0-2	2
		36	0	20.77	20.85	21.24	0-3	3
		36	18	20.78	20.87	21.31	0-3	3
		36	39	20.78	20.92	21.43	0-3	3
		75	0	20.77	20.82	21.27	0-3	3
	256QAM	1	0	18.65	18.77	19.32	0-5	5
		1	36	18.56	19.19	19.32	0-5	5
		1	74	18.91	19.04	19.65	0-5	5
		36	0	18.70	18.86	19.17	0-5	5
		36	18	18.79	18.86	19.21	0-5	5
		36	39	18.70	19.06	19.42	0-5	5
		75	0	18.73	18.88	19.25	0-5	5

LTE Band 2 _ 20 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18700 Ch. 1860 MHz	18900 Ch. 1880 MHz	19100 Ch. 1900 MHz		
20 MHz	QPSK	1	0	23.42	23.75	24.15	0	0
		1	49	23.63	24.15	24.30	0	0
		1	99	23.79	23.85	24.14	0	0
		50	0	22.78	22.84	23.21	0-1	1
		50	25	22.80	22.98	23.17	0-1	1
		50	49	22.74	22.98	23.33	0-1	1
		100	0	22.81	22.90	23.17	0-1	1
	16QAM	1	0	22.76	23.01	23.19	0-1	1
		1	49	22.97	23.13	23.37	0-1	1
		1	99	23.00	23.03	23.56	0-1	1
		50	0	21.71	21.81	22.14	0-2	2
		50	25	21.80	21.98	22.23	0-2	2
		50	49	21.84	21.91	22.30	0-2	2
		100	0	21.85	21.87	22.25	0-2	2
	64QAM	1	0	22.00	21.94	22.22	0-2	2
		1	49	21.91	21.94	22.35	0-2	2
		1	99	22.01	22.09	22.49	0-2	2
		50	0	20.71	20.83	21.10	0-3	3
		50	25	20.79	20.99	21.18	0-3	3
		50	49	20.86	20.99	21.31	0-3	3
		100	0	20.83	20.90	21.27	0-3	3
	256QAM	1	0	18.81	18.87	19.04	0-5	5
		1	49	18.63	18.94	19.26	0-5	5
		1	99	18.88	19.10	19.61	0-5	5
		50	0	18.73	18.86	19.21	0-5	5
		50	25	18.73	19.03	19.24	0-5	5
		50	49	18.87	19.01	19.32	0-5	5
		100	0	18.83	18.91	19.18	0-5	5

[LTE Band 4 Conducted Power _ Main 1 Ant. (DSI 0)]

LTE Band 4 _ 1.4 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				19957 Ch. 1710.7 MHz	20175 Ch. 1732.5 MHz	20393 Ch. 1754.3 MHz		
1.4 MHz	QPSK	1	0	23.52	23.67	23.93	0	0
		1	3	23.63	23.80	24.01	0	0
		1	5	23.59	23.74	24.05	0	0
		3	0	23.57	23.72	23.95	0	1
		3	1	23.51	23.79	24.04	0	1
		3	3	23.49	23.85	23.93	0	1
		6	0	22.56	22.72	22.98	0-1	1
	16QAM	1	0	22.64	22.94	23.06	0-1	1
		1	3	22.78	23.08	23.26	0-1	1
		1	5	22.77	22.88	23.05	0-1	1
		3	0	22.52	23.00	23.01	0-1	2
		3	1	22.58	22.89	23.12	0-1	2
		3	3	22.56	23.04	23.04	0-1	2
		6	0	21.54	21.83	22.12	0-2	2
	64QAM	1	0	21.67	21.97	21.94	0-2	2
		1	3	21.71	22.04	22.11	0-2	2
		1	5	21.64	21.84	22.11	0-2	2
		3	0	21.52	21.88	22.02	0-2	3
		3	1	21.49	21.77	22.05	0-2	3
		3	3	21.61	21.87	22.06	0-2	3
		6	0	20.51	20.71	21.00	0-3	3
	256QAM	1	0	18.51	18.91	18.92	0-5	5
		1	3	18.60	18.92	19.09	0-5	5
		1	5	18.42	18.81	18.90	0-5	5
		3	0	18.63	18.84	19.00	0-5	5
		3	1	18.52	18.74	19.01	0-5	5
		3	3	18.68	18.88	18.99	0-5	5
		6	0	18.50	18.66	18.94	0-5	5

LTE Band 4 _ 3 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				19965 Ch. 1711.5 MHz	20175 Ch. 1732.5 MHz	20385 Ch. 1753.5 MHz		
3 MHz	QPSK	1	0	23.59	23.71	23.98	0	0
		1	7	23.62	23.89	24.02	0	0
		1	14	23.57	23.72	23.89	0	0
		8	0	22.55	22.76	22.98	0-1	1
		8	3	22.61	22.83	23.00	0-1	1
		8	7	22.62	22.89	23.01	0-1	1
		15	0	22.63	22.73	22.97	0-1	1
	16QAM	1	0	22.65	22.92	23.17	0-1	1
		1	7	22.75	23.10	23.28	0-1	1
		1	14	22.71	23.01	23.22	0-1	1
		8	0	21.58	21.76	21.93	0-2	2
		8	3	21.56	21.86	21.98	0-2	2
		8	7	21.58	21.95	22.04	0-2	2
		15	0	21.53	21.79	21.93	0-2	2
	64QAM	1	0	21.61	21.83	21.87	0-2	2
		1	7	21.74	22.00	22.08	0-2	2
		1	14	21.73	22.06	22.15	0-2	2
		8	0	20.57	20.80	20.97	0-3	3
		8	3	20.55	20.91	20.94	0-3	3
		8	7	20.61	20.90	20.98	0-3	3
		15	0	20.59	20.79	20.91	0-3	3
	256QAM	1	0	18.52	18.84	18.94	0-5	5
		1	7	18.76	18.85	19.14	0-5	5
		1	14	18.64	18.97	19.09	0-5	5
		8	0	18.60	18.72	18.89	0-5	5
		8	3	18.62	18.81	19.05	0-5	5
		8	7	18.65	18.90	19.04	0-5	5
		15	0	18.56	18.74	18.90	0-5	5

LTE Band 4 _ 5 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				19975 Ch. 1712.5 MHz	20175 Ch. 1732.5 MHz	20375 Ch. 1752.5 MHz		
5 MHz	QPSK	1	0	23.74	23.70	23.77	0	0
		1	12	23.77	23.87	24.06	0	0
		1	24	23.68	23.82	23.99	0	0
		12	0	22.52	22.81	22.91	0-1	1
		12	6	22.61	22.81	22.90	0-1	1
		12	11	22.62	22.90	23.06	0-1	1
		25	0	22.60	22.77	22.86	0-1	1
	16QAM	1	0	22.75	22.97	23.27	0-1	1
		1	12	22.74	23.18	23.28	0-1	1
		1	24	22.74	22.99	23.19	0-1	1
		12	0	21.48	21.82	21.99	0-2	2
		12	6	21.66	21.83	21.98	0-2	2
		12	11	21.66	21.95	22.07	0-2	2
		25	0	21.52	21.75	21.98	0-2	2
	64QAM	1	0	21.62	22.07	22.17	0-2	2
		1	12	21.86	21.89	22.37	0-2	2
		1	24	21.77	21.98	22.16	0-2	2
		12	0	20.47	20.77	20.94	0-3	3
		12	6	20.59	20.82	21.01	0-3	3
		12	11	20.58	20.85	21.01	0-3	3
		25	0	20.56	20.74	20.91	0-3	3
	256QAM	1	0	18.44	18.69	18.85	0-5	5
		1	12	18.71	19.09	19.04	0-5	5
		1	24	18.70	18.98	19.02	0-5	5
		12	0	18.47	18.78	18.94	0-5	5
		12	6	18.62	18.79	18.90	0-5	5
		12	11	18.63	18.94	19.08	0-5	5
		25	0	18.60	18.76	18.95	0-5	5

LTE Band 4 _ 10 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20000 Ch. 1715 MHz	20175 Ch. 1732.5 MHz	20350 Ch. 1750 MHz		
10 MHz	QPSK	1	0	23.54	23.69	23.94	0	0
		1	24	23.77	23.84	24.02	0	0
		1	49	23.72	23.78	23.98	0	0
		25	0	22.62	22.75	22.88	0-1	1
		25	12	22.66	22.73	22.97	0-1	1
		25	24	22.68	22.89	23.00	0-1	1
		50	0	22.67	22.82	22.99	0-1	1
	16QAM	1	0	22.76	22.99	22.94	0-1	1
		1	24	22.85	23.11	23.27	0-1	1
		1	49	22.93	22.98	23.29	0-1	1
		25	0	21.56	21.84	21.82	0-2	2
		25	12	21.67	21.85	22.03	0-2	2
		25	24	21.64	21.88	21.99	0-2	2
		50	0	21.66	21.71	22.01	0-2	2
	64QAM	1	0	21.62	21.79	22.01	0-2	2
		1	24	21.74	22.10	22.10	0-2	2
		1	49	21.92	21.98	22.10	0-2	2
		25	0	20.58	20.77	20.85	0-3	3
		25	12	20.65	20.85	21.07	0-3	3
		25	24	20.72	20.81	21.01	0-3	3
		50	0	20.68	20.74	20.99	0-3	3
	256QAM	1	0	18.52	18.92	19.09	0-5	5
		1	24	18.56	18.92	19.17	0-5	5
		1	49	18.69	18.87	19.07	0-5	5
		25	0	18.56	18.67	18.93	0-5	5
		25	12	18.66	18.84	19.03	0-5	5
		25	24	18.67	18.85	19.02	0-5	5
		50	0	18.72	18.87	18.98	0-5	5

LTE Band 4 _ 15 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20025 Ch. 1717.5 MHz	20175 Ch. 1732.5 MHz	20325 Ch. 1747.5 MHz		
15 MHz	QPSK	1	0	23.81	23.73	23.58	0	0
		1	36	23.77	23.62	23.72	0	0
		1	74	23.78	23.60	24.12	0	0
		36	0	22.54	22.62	22.75	0-1	1
		36	18	22.66	22.63	22.74	0-1	1
		36	39	22.67	22.78	22.90	0-1	1
		75	0	22.58	22.70	22.82	0-1	1
	16QAM	1	0	22.69	22.70	23.00	0-1	1
		1	36	22.53	22.89	23.00	0-1	1
		1	74	22.77	22.97	23.11	0-1	1
		36	0	21.45	21.67	21.71	0-2	2
		36	18	21.63	21.69	21.75	0-2	2
		36	39	21.63	21.81	21.86	0-2	2
		75	0	21.62	21.62	21.80	0-2	2
	64QAM	1	0	21.59	21.64	21.77	0-2	2
		1	36	21.62	21.83	22.01	0-2	2
		1	74	21.95	22.00	22.15	0-2	2
		36	0	20.49	20.56	20.73	0-3	3
		36	18	20.61	20.65	20.78	0-3	3
		36	39	20.66	20.73	20.92	0-3	3
		75	0	20.59	20.73	20.75	0-3	3
	256QAM	1	0	18.46	18.51	18.62	0-5	5
		1	36	18.48	18.77	18.99	0-5	5
		1	74	18.81	18.95	19.27	0-5	5
		36	0	18.52	18.72	18.71	0-5	5
		36	18	18.56	18.69	18.78	0-5	5
		36	39	18.52	18.77	18.89	0-5	5
		75	0	18.66	18.81	18.77	0-5	5

LTE Band 4 _ 20 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20025 Ch. 1717.5 MHz	20175 Ch. 1732.5 MHz	20325 Ch. 1747.5 MHz		
20 MHz	QPSK	1	0	23.33	23.45	23.86	0	0
		1	49	23.45	23.76	23.75	0	0
		1	99	23.66	23.88	23.93	0	0
		50	0	22.54	22.63	22.70	0-1	1
		50	25	22.67	22.69	22.82	0-1	1
		50	49	22.71	22.71	22.86	0-1	1
		100	0	22.69	22.63	22.84	0-1	1
	16QAM	1	0	22.48	22.81	22.99	0-1	1
		1	49	22.98	22.83	22.91	0-1	1
		1	99	22.99	22.97	23.08	0-1	1
		50	0	21.52	21.60	21.73	0-2	2
		50	25	21.66	21.78	21.86	0-2	2
		50	49	21.70	21.74	21.89	0-2	2
		100	0	21.65	21.75	21.87	0-2	2
	64QAM	1	0	21.50	21.72	22.09	0-2	2
		1	49	22.10	21.83	22.42	0-2	2
		1	99	22.02	21.97	21.98	0-2	2
		50	0	20.48	20.64	20.77	0-3	3
		50	25	20.62	20.62	20.81	0-3	3
		50	49	20.65	20.83	20.97	0-3	3
		100	0	20.69	20.59	20.76	0-3	3
	256QAM	1	0	18.49	18.62	18.63	0-5	5
		1	49	18.67	18.65	18.95	0-5	5
		1	99	18.95	18.94	19.09	0-5	5
		50	0	18.53	18.66	18.74	0-5	5
		50	25	18.59	18.67	18.84	0-5	5
		50	49	18.73	18.88	18.88	0-5	5
		100	0	18.68	18.68	18.80	0-5	5

[LTE Band 5 Conducted Power _ Main 1 Ant. (DSI 0)]

LTE Band 5 _ 1.4 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20407 Ch. 824.7 MHz	20525 Ch. 836.5 MHz	20643 Ch. 848.3 MHz		
1.4 MHz	QPSK	1	0	24.16	23.84	24.21	0	0
		1	3	24.29	23.97	24.29	0	0
		1	5	24.25	23.83	24.22	0	0
		3	0	24.26	23.88	24.23	0	1
		3	1	24.31	23.87	24.28	0	1
		3	3	24.30	23.86	24.25	0	1
		6	0	23.28	22.85	23.13	0-1	1
	16QAM	1	0	23.51	23.12	23.40	0-1	1
		1	3	23.58	23.11	23.47	0-1	1
		1	5	23.50	22.96	23.40	0-1	1
		3	0	23.48	23.00	23.29	0-1	2
		3	1	23.42	23.02	23.39	0-1	2
		3	3	23.36	22.94	23.42	0-1	2
		6	0	22.30	21.87	22.21	0-2	2
	64QAM	1	0	22.14	21.93	22.32	0-2	2
		1	3	22.13	21.99	22.42	0-2	2
		1	5	22.23	22.01	22.47	0-2	2
		3	0	22.32	21.88	22.33	0-2	3
		3	1	22.36	21.99	22.36	0-2	3
		3	3	22.31	21.93	22.35	0-2	3
		6	0	21.18	20.91	21.15	0-3	3
	256QAM	1	0	19.31	18.91	19.20	0-5	5
		1	3	19.30	18.92	19.30	0-5	5
		1	5	19.34	18.94	19.24	0-5	5
		3	0	19.31	18.92	19.17	0-5	5
		3	1	19.36	18.93	19.31	0-5	5
		3	3	19.29	18.85	19.27	0-5	5
		6	0	19.29	18.83	19.19	0-5	5

LTE Band 5 _ 3 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20415 Ch. 825.5 MHz	20525 Ch. 836.5 MHz	20635 Ch. 847.5 MHz		
3 MHz	QPSK	1	0	24.21	23.75	24.17	0	0
		1	7	24.24	23.87	24.27	0	0
		1	14	24.12	23.81	24.18	0	0
		8	0	23.25	22.89	23.19	0-1	1
		8	3	23.31	22.95	23.22	0-1	1
		8	7	23.15	22.87	23.27	0-1	1
		15	0	23.20	22.92	23.18	0-1	1
	16QAM	1	0	23.46	23.09	23.38	0-1	1
		1	7	23.54	23.12	23.41	0-1	1
		1	14	23.39	23.08	23.45	0-1	1
		8	0	22.29	21.91	22.28	0-2	2
		8	3	22.32	21.97	22.25	0-2	2
		8	7	22.22	21.90	22.33	0-2	2
		15	0	22.20	21.91	22.19	0-2	2
	64QAM	1	0	22.35	22.04	22.29	0-2	2
		1	7	22.44	22.10	22.60	0-2	2
		1	14	22.28	22.03	22.58	0-2	2
		8	0	21.32	20.85	21.25	0-3	3
		8	3	21.33	20.95	21.27	0-3	3
		8	7	21.17	20.87	21.29	0-3	3
		15	0	21.17	20.92	21.19	0-3	3
	256QAM	1	0	19.31	18.94	19.20	0-5	5
		1	7	19.29	19.12	19.43	0-5	5
		1	14	19.21	18.80	19.09	0-5	5
		8	0	19.32	18.88	19.19	0-5	5
		8	3	19.29	18.93	19.21	0-5	5
		8	7	19.15	18.96	19.29	0-5	5
		15	0	19.15	18.89	19.26	0-5	5

LTE Band 5 _ 5 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20425 Ch. 826.5 MHz	20525 Ch. 836.5 MHz	20625 Ch. 846.5 MHz		
5 MHz	QPSK	1	0	24.04	23.96	24.14	0	0
		1	12	24.17	23.83	24.22	0	0
		1	24	24.32	23.94	24.23	0	0
		12	0	23.24	22.89	23.14	0-1	1
		12	6	23.33	22.92	23.22	0-1	1
		12	11	23.11	22.90	23.28	0-1	1
		25	0	23.11	22.88	23.15	0-1	1
	16QAM	1	0	23.46	22.94	23.32	0-1	1
		1	12	23.48	23.11	23.63	0-1	1
		1	24	23.29	23.00	23.61	0-1	1
		12	0	22.28	21.92	22.16	0-2	2
		12	6	22.27	22.01	22.21	0-2	2
		12	11	22.17	21.91	22.26	0-2	2
		25	0	22.16	21.88	22.17	0-2	2
	64QAM	1	0	22.48	22.06	22.20	0-2	2
		1	12	22.45	22.08	22.37	0-2	2
		1	24	22.18	22.12	22.39	0-2	2
		12	0	21.26	20.87	21.12	0-3	3
		12	6	21.25	20.95	21.25	0-3	3
		12	11	21.13	20.90	21.23	0-3	3
		25	0	21.13	20.96	21.23	0-3	3
	256QAM	1	0	19.35	19.03	19.08	0-5	5
		1	12	19.36	19.02	19.35	0-5	5
		1	24	19.19	18.96	19.19	0-5	5
		12	0	19.26	18.87	19.07	0-5	5
		12	6	19.29	18.95	19.14	0-5	5
		12	11	19.18	18.86	19.24	0-5	5
		25	0	19.08	18.92	19.15	0-5	5

LTE Band 5 _ 10 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				20525 Ch. 836.5 MHz		
10 MHz	QPSK	1	0	23.93	0	0
		1	24	23.90	0	0
		1	49	24.01	0	0
		25	0	22.99	0-1	1
		25	12	22.89	0-1	1
		25	24	22.88	0-1	1
		50	0	22.99	0-1	1
	16QAM	1	0	23.33	0-1	1
		1	24	23.06	0-1	1
		1	49	23.38	0-1	1
		25	0	21.95	0-2	2
		25	12	21.94	0-2	2
		25	24	21.95	0-2	2
		50	0	22.01	0-2	2
	64QAM	1	0	22.04	0-2	2
		1	24	22.12	0-2	2
		1	49	22.01	0-2	2
		25	0	20.92	0-3	3
		25	12	20.98	0-3	3
		25	24	20.96	0-3	3
		50	0	20.99	0-3	3
	256QAM	1	0	19.06	0-5	5
		1	24	18.91	0-5	5
		1	49	19.07	0-5	5
		25	0	18.89	0-5	5
		25	12	18.98	0-5	5
		25	24	18.81	0-5	5
		50	0	18.99	0-5	5

[LTE Band 7 Conducted Power _ Main 1 Ant. (DSI 0)]

LTE Band 7 _ 5 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20775 Ch. 2502.5 MHz	21100 Ch. 2535 MHz	21425 Ch. 2567.5 MHz		
5 MHz	QPSK	1	0	23.15	23.59	22.94	0	0
		1	12	23.31	23.64	22.96	0	0
		1	24	23.32	23.51	22.80	0	0
		12	0	22.25	22.69	22.01	0-1	1
		12	6	22.42	22.69	22.00	0-1	1
		12	11	22.38	22.72	21.94	0-1	1
		25	0	22.34	22.72	22.00	0-1	1
	16QAM	1	0	22.63	22.98	22.37	0-1	1
		1	12	22.78	22.93	22.18	0-1	1
		1	24	22.56	22.80	22.13	0-1	1
		12	0	21.25	21.74	21.02	0-2	2
		12	6	21.41	21.75	21.07	0-2	2
		12	11	21.43	21.75	20.94	0-2	2
		25	0	21.40	21.71	20.91	0-2	2
	64QAM	1	0	21.39	21.92	21.04	0-2	2
		1	12	21.46	21.87	21.23	0-2	2
		1	24	21.47	21.75	21.00	0-2	2
		12	0	20.41	20.69	19.96	0-3	3
		12	6	20.41	20.82	20.07	0-3	3
		12	11	20.36	20.76	19.87	0-3	3
		25	0	20.34	20.72	19.97	0-3	3
	256QAM	1	0	18.36	18.73	17.98	0-5	5
		1	12	18.49	18.82	18.16	0-5	5
		1	24	18.43	18.81	18.03	0-5	5
		12	0	18.28	18.65	17.96	0-5	5
		12	6	18.40	18.71	18.06	0-5	5
		12	11	18.31	18.66	17.96	0-5	5
		25	0	18.34	18.62	17.98	0-5	5

LTE Band 7 _ 10 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20800 Ch. 2505 MHz	21100 Ch. 2535 MHz	21400 Ch. 2565 MHz		
10 MHz	QPSK	1	0	23.48	23.56	23.13	0	0
		1	24	23.67	23.71	22.99	0	0
		1	49	23.42	23.54	22.80	0	0
		25	0	22.39	22.70	22.15	0-1	1
		25	12	22.51	22.82	22.14	0-1	1
		25	24	22.54	22.72	21.98	0-1	1
		50	0	22.43	22.71	22.07	0-1	1
	16QAM	1	0	22.90	22.91	22.72	0-1	1
		1	24	22.62	22.95	22.30	0-1	1
		1	49	22.70	22.81	22.14	0-1	1
		25	0	21.34	21.71	21.18	0-2	2
		25	12	21.51	21.75	21.08	0-2	2
		25	24	21.48	21.78	21.02	0-2	2
		50	0	21.41	21.78	21.13	0-2	2
	64QAM	1	0	21.44	21.80	21.35	0-2	2
		1	24	21.52	21.95	21.23	0-2	2
		1	49	21.67	21.78	21.17	0-2	2
		25	0	20.38	20.74	20.22	0-3	3
		25	12	20.50	20.77	20.14	0-3	3
		25	24	20.37	20.71	20.01	0-3	3
		50	0	20.41	20.74	20.07	0-3	3
	256QAM	1	0	18.36	18.57	18.27	0-5	5
		1	24	18.76	18.89	18.17	0-5	5
		1	49	18.49	18.64	18.01	0-5	5
		25	0	18.37	18.68	18.17	0-5	5
		25	12	18.41	18.73	18.11	0-5	5
		25	24	18.46	18.68	17.99	0-5	5
		50	0	18.44	18.67	18.07	0-5	5

LTE Band 7 _ 15 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20825 Ch. 2507.5 MHz	21100 Ch. 2535 MHz	21375 Ch. 2562.5 MHz		
15 MHz	QPSK	1	0	23.62	23.74	22.97	0	0
		1	36	23.41	23.52	22.90	0	0
		1	74	23.33	23.41	22.66	0	0
		36	0	22.32	22.61	22.11	0-1	1
		36	18	22.33	22.61	22.10	0-1	1
		36	39	22.44	22.58	21.87	0-1	1
		75	0	22.42	22.60	22.10	0-1	1
	16QAM	1	0	22.48	22.62	22.50	0-1	1
		1	36	22.54	22.72	22.21	0-1	1
		1	74	22.46	22.64	21.80	0-1	1
		36	0	21.35	21.62	21.13	0-2	2
		36	18	21.33	21.63	21.13	0-2	2
		36	39	21.44	21.51	20.93	0-2	2
		75	0	21.38	21.64	21.14	0-2	2
	64QAM	1	0	21.29	21.65	21.28	0-2	2
		1	36	21.56	21.75	21.13	0-2	2
		1	74	21.35	21.72	20.98	0-2	2
		36	0	20.30	20.59	20.16	0-3	3
		36	18	20.38	20.65	20.07	0-3	3
		36	39	20.40	20.53	19.91	0-3	3
		75	0	20.43	20.56	20.09	0-3	3
	256QAM	1	0	18.33	18.65	18.31	0-5	5
		1	36	18.35	18.67	18.17	0-5	5
		1	74	18.57	18.60	17.94	0-5	5
		36	0	18.33	18.62	18.12	0-5	5
		36	18	18.40	18.51	18.02	0-5	5
		36	39	18.43	18.60	17.85	0-5	5
		75	0	18.39	18.62	18.03	0-5	5

LTE Band 7 _ 20 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20850 Ch. 2510 MHz	21100 Ch. 2535 MHz	21350 Ch. 2560 MHz		
20 MHz	QPSK	1	0	23.31	23.34	23.40	0	0
		1	49	23.43	23.63	23.00	0	0
		1	99	23.35	23.18	22.56	0	0
		50	0	22.31	22.55	22.27	0-1	1
		50	25	22.48	22.61	22.19	0-1	1
		50	49	22.44	22.60	22.02	0-1	1
		100	0	22.50	22.58	22.18	0-1	1
	16QAM	1	0	22.43	22.65	22.54	0-1	1
		1	49	22.59	22.82	22.28	0-1	1
		1	99	22.86	22.58	21.78	0-1	1
		50	0	21.32	21.61	21.29	0-2	2
		50	25	21.48	21.61	21.20	0-2	2
		50	49	21.48	21.58	20.98	0-2	2
		100	0	21.48	21.55	21.22	0-2	2
	64QAM	1	0	21.23	21.63	21.48	0-2	2
		1	49	21.75	21.95	21.32	0-2	2
		1	99	21.65	21.54	20.87	0-2	2
		50	0	20.30	20.55	20.34	0-3	3
		50	25	20.44	20.65	20.17	0-3	3
		50	49	20.35	20.53	19.97	0-3	3
		100	0	20.46	20.49	20.16	0-3	3
	256QAM	1	0	18.27	18.65	18.44	0-5	5
		1	49	18.44	18.90	18.37	0-5	5
		1	99	18.62	18.51	18.01	0-5	5
		50	0	18.22	18.63	18.37	0-5	5
		50	25	18.49	18.63	18.21	0-5	5
		50	49	18.43	18.58	17.99	0-5	5
		100	0	18.48	18.61	18.18	0-5	5

[LTE Band 12 Conducted Power _ Main 1 Ant. (DSI 0)]

LTE Band 12 _ 1.4 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23017 Ch. 699.7 MHz	23095 Ch. 707.5 MHz	23173 Ch. 715.3 MHz		
1.4 MHz	QPSK	1	0	24.54	24.79	24.64	0	0
		1	3	24.51	24.81	24.72	0	0
		1	5	24.42	24.74	24.66	0	0
		3	0	24.49	24.78	24.69	0	1
		3	1	24.39	24.81	24.66	0	1
		3	3	24.39	24.72	24.67	0	1
		6	0	23.47	23.71	23.73	0-1	1
	16QAM	1	0	23.57	23.96	23.89	0-1	1
		1	3	23.95	23.96	23.92	0-1	1
		1	5	23.84	23.99	23.85	0-1	1
		3	0	23.52	23.91	23.76	0-1	2
		3	1	23.53	23.84	23.82	0-1	2
		3	3	23.62	23.89	23.87	0-1	2
		6	0	22.59	22.66	22.74	0-2	2
	64QAM	1	0	22.77	22.82	22.88	0-2	2
		1	3	22.62	22.82	22.81	0-2	2
		1	5	22.44	22.90	22.81	0-2	2
		3	0	22.58	22.92	22.86	0-2	3
		3	1	22.55	22.79	22.78	0-2	3
		3	3	22.53	22.96	22.82	0-2	3
		6	0	21.53	21.67	21.72	0-3	3
	256QAM	1	0	19.52	19.83	19.83	0-5	5
		1	3	19.51	19.86	19.81	0-5	5
		1	5	19.42	19.76	19.76	0-5	5
		3	0	19.59	19.71	19.76	0-5	5
		3	1	19.48	19.74	19.71	0-5	5
		3	3	19.50	19.74	19.79	0-5	5
		6	0	19.48	19.77	19.70	0-5	5

LTE Band 12 _ 3 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23025 Ch. 700.5 MHz	23095 Ch. 707.5 MHz	23165 Ch. 714.5 MHz		
3 MHz	QPSK	1	0	24.33	24.55	24.50	0	0
		1	7	24.46	24.79	24.75	0	0
		1	14	24.36	24.71	24.50	0	0
		8	0	23.35	23.69	23.68	0-1	1
		8	3	23.49	23.72	23.70	0-1	1
		8	7	23.48	23.67	23.73	0-1	1
		15	0	23.46	23.71	23.64	0-1	1
	16QAM	1	0	23.57	23.95	23.87	0-1	1
		1	7	23.58	23.92	23.71	0-1	1
		1	14	23.68	23.89	23.77	0-1	1
		8	0	22.44	22.72	22.75	0-2	2
		8	3	22.55	22.82	22.77	0-2	2
		8	7	22.54	22.80	22.76	0-2	2
		15	0	22.58	22.69	22.69	0-2	2
	64QAM	1	0	22.48	22.72	22.72	0-2	2
		1	7	22.54	22.96	22.84	0-2	2
		1	14	22.52	22.86	22.67	0-2	2
		8	0	21.47	21.65	21.68	0-3	3
		8	3	21.51	21.68	21.61	0-3	3
		8	7	21.47	21.66	21.69	0-3	3
		15	0	21.50	21.65	21.60	0-3	3
	256QAM	1	0	19.52	19.51	19.72	0-5	5
		1	7	19.58	19.82	19.81	0-5	5
		1	14	19.58	19.74	19.50	0-5	5
		8	0	19.40	19.67	19.71	0-5	5
		8	3	19.48	19.73	19.68	0-5	5
		8	7	19.45	19.77	19.64	0-5	5
15		0	19.49	19.70	19.62	0-5	5	

LTE Band 12 _ 5 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23035 Ch. 701.5 MHz	23095 Ch. 707.5 MHz	23155 Ch. 713.5 MHz		
5 MHz	QPSK	1	0	24.47	24.70	24.63	0	0
		1	12	24.43	24.79	24.75	0	0
		1	24	24.32	24.68	24.55	0	0
		12	0	23.39	23.62	23.67	0-1	1
		12	6	23.57	23.75	23.70	0-1	1
		12	11	23.58	23.70	23.60	0-1	1
		25	0	23.51	23.68	23.74	0-1	1
	16QAM	1	0	23.63	23.86	23.76	0-1	1
		1	12	23.74	23.94	23.96	0-1	1
		1	24	23.67	23.80	23.86	0-1	1
		12	0	22.43	22.71	22.77	0-2	2
		12	6	22.53	22.67	22.73	0-2	2
		12	11	22.53	22.76	22.59	0-2	2
		25	0	22.49	22.61	22.76	0-2	2
	64QAM	1	0	22.57	22.91	22.76	0-2	2
		1	12	22.62	22.90	22.86	0-2	2
		1	24	22.67	22.84	22.77	0-2	2
		12	0	21.43	21.65	21.73	0-3	3
		12	6	21.55	21.68	21.75	0-3	3
		12	11	21.51	21.69	21.67	0-3	3
		25	0	21.48	21.66	21.67	0-3	3
	256QAM	1	0	19.46	19.65	19.63	0-5	5
		1	12	19.55	19.86	19.81	0-5	5
		1	24	19.60	19.71	19.41	0-5	5
12		0	19.45	19.68	19.66	0-5	5	
12		6	19.50	19.65	19.68	0-5	5	
12		11	19.50	19.72	19.63	0-5	5	
25		0	19.48	19.65	19.63	0-5	5	

LTE Band 12 _ 10 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				23095 Ch. 707.5 MHz		
10 MHz	QPSK	1	0	24.59	0	0
		1	24	24.75	0	0
		1	49	24.70	0	0
		25	0	23.67	0-1	1
		25	12	23.70	0-1	1
		25	24	23.67	0-1	1
		50	0	23.70	0-1	1
	16QAM	1	0	23.68	0-1	1
		1	24	23.94	0-1	1
		1	49	23.79	0-1	1
		25	0	22.62	0-2	2
		25	12	22.73	0-2	2
		25	24	22.68	0-2	2
		50	0	22.72	0-2	2
	64QAM	1	0	22.77	0-2	2
		1	24	22.94	0-2	2
		1	49	22.78	0-2	2
		25	0	21.66	0-3	3
		25	12	21.72	0-3	3
		25	24	21.66	0-3	3
		50	0	21.59	0-3	3
	256QAM	1	0	19.63	0-5	5
		1	24	19.91	0-5	5
		1	49	19.66	0-5	5
25		0	19.68	0-5	5	
25		12	19.69	0-5	5	
25		24	19.75	0-5	5	
50		0	19.68	0-5	5	

[LTE Band 13 Conducted Power_ Main 1 Ant. (DSI 0)]

LTE Band 13 _ 5 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23205 Ch. 779.5 MHz	23230 Ch. 782 MHz	23205 Ch. 784.5 MHz		
5 MHz	QPSK	1	0	24.49	24.52	24.54	0	0
		1	12	24.64	24.69	24.53	0	0
		1	24	24.49	24.46	24.50	0	0
		12	0	23.66	23.55	23.52	0-1	1
		12	6	23.67	23.53	23.58	0-1	1
		12	11	23.56	23.56	23.47	0-1	1
		25	0	23.76	23.54	23.54	0-1	1
	16QAM	1	0	23.95	23.70	23.75	0-1	1
		1	12	23.95	23.98	23.75	0-1	1
		1	24	23.81	23.69	23.67	0-1	1
		12	0	22.68	22.58	22.49	0-2	2
		12	6	22.74	22.58	22.69	0-2	2
		12	11	22.64	22.52	22.44	0-2	2
		25	0	22.79	22.47	22.50	0-2	2
	64QAM	1	0	22.79	22.69	22.70	0-2	2
		1	12	22.77	22.86	22.70	0-2	2
		1	24	22.61	22.68	22.51	0-2	2
		12	0	21.80	21.60	21.52	0-3	3
		12	6	21.62	21.59	21.58	0-3	3
		12	11	21.53	21.51	21.45	0-3	3
		25	0	21.61	21.48	21.54	0-3	3
	256QAM	1	0	19.62	19.60	19.56	0-5	5
		1	12	19.76	19.69	19.55	0-5	5
		1	24	19.93	19.61	19.41	0-5	5
		12	0	19.59	19.48	19.54	0-5	5
		12	6	19.66	19.58	19.56	0-5	5
		12	11	19.53	19.52	19.45	0-5	5
		25	0	19.56	19.39	19.54	0-5	5

LTE Band 13 _ 10 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				23230 Ch. 782 MHz		
10 MHz	QPSK	1	0	24.43	0	0
		1	24	24.63	0	0
		1	49	24.39	0	0
		25	0	23.81	0-1	1
		25	12	23.58	0-1	1
		25	24	23.61	0-1	1
		50	0	23.71	0-1	1
	16QAM	1	0	23.85	0-1	1
		1	24	23.81	0-1	1
		1	49	23.63	0-1	1
		25	0	22.71	0-2	2
		25	12	22.53	0-2	2
		25	24	22.48	0-2	2
		50	0	22.36	0-2	2
	64QAM	1	0	22.78	0-2	2
		1	24	22.75	0-2	2
		1	49	22.48	0-2	2
		25	0	21.80	0-3	3
		25	12	21.61	0-3	3
		25	24	21.38	0-3	3
		50	0	21.50	0-3	3
	256QAM	1	0	19.66	0-5	5
		1	24	19.78	0-5	5
		1	49	19.48	0-5	5
		25	0	19.50	0-5	5
		25	12	19.43	0-5	5
		25	24	19.37	0-5	5
		50	0	19.42	0-5	5

[LTE Band 14 Conducted Power_ Main 1 Ant. (DSI 0)]

LTE Band 14 _ 5 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23330 Ch. 790.5 MHz	23305 Ch. 793 MHz	23355 Ch. 795.5 MHz		
5 MHz	QPSK	1	0	24.65	24.51	24.67	0	0
		1	12	24.60	24.75	24.59	0	0
		1	24	24.59	24.60	24.48	0	0
		12	0	23.55	23.73	23.69	0-1	1
		12	6	23.64	23.65	23.61	0-1	1
		12	11	23.61	23.59	23.51	0-1	1
	16QAM	25	0	23.68	23.69	23.57	0-1	1
		1	0	23.84	23.90	23.84	0-1	1
		1	12	23.80	23.93	23.89	0-1	1
		1	24	23.77	23.81	23.62	0-1	1
		12	0	22.58	22.65	22.66	0-2	2
		12	6	22.74	22.65	22.68	0-2	2
	64QAM	12	11	22.74	22.74	22.50	0-2	2
		25	0	22.64	22.69	22.59	0-2	2
		1	0	22.74	22.81	22.69	0-2	2
		1	12	22.78	22.85	22.90	0-2	2
		1	24	22.67	22.69	22.51	0-2	2
		12	0	21.61	21.61	21.59	0-3	3
	256QAM	12	6	21.70	21.55	21.60	0-3	3
		12	11	21.68	21.66	21.48	0-3	3
		25	0	21.66	21.62	21.52	0-3	3
		1	0	19.50	19.57	19.78	0-5	5
		1	12	19.56	19.74	19.69	0-5	5
		1	24	19.79	19.57	19.49	0-5	5
		12	0	19.57	19.55	19.63	0-5	5
		12	6	19.62	19.63	19.60	0-5	5
		12	11	19.64	19.62	19.47	0-5	5
		25	0	19.58	19.66	19.56	0-5	5

LTE Band 14 _ 10 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				23305 Ch. 793 MHz		
10 MHz	QPSK	1	0	24.52	0	0
		1	24	24.78	0	0
		1	49	24.47	0	0
		25	0	23.59	0-1	1
		25	12	23.78	0-1	1
		25	24	23.54	0-1	1
		50	0	23.70	0-1	1
	16QAM	1	0	23.94	0-1	1
		1	24	23.95	0-1	1
		1	49	23.74	0-1	1
		25	0	22.59	0-2	2
		25	12	22.70	0-2	2
		25	24	22.58	0-2	2
		50	0	22.63	0-2	2
	64QAM	1	0	22.76	0-2	2
		1	24	22.80	0-2	2
		1	49	22.61	0-2	2
		25	0	21.59	0-3	3
		25	12	21.70	0-3	3
		25	24	21.60	0-3	3
		50	0	21.60	0-3	3
	256QAM	1	0	19.55	0-5	5
		1	24	19.77	0-5	5
		1	49	19.51	0-5	5
25		0	19.65	0-5	5	
25		12	19.59	0-5	5	
25		24	19.52	0-5	5	
50		0	19.66	0-5	5	

[LTE Band 25 Conducted Power _ Main 1 Ant. (DSI 0)]

LTE Band 25 _ 1.4 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26047 Ch. 1850.7 MHz	26365 Ch. 1882.5 MHz	26683 Ch. 1914.3 MHz		
1.4 MHz	QPSK	1	0	23.88	23.99	24.38	0	0
		1	3	23.92	24.07	24.54	0	0
		1	5	23.86	24.01	24.47	0	0
		3	0	23.91	23.99	24.54	0	1
		3	1	23.95	24.08	24.51	0	1
		3	3	23.89	23.94	24.53	0	1
		6	0	22.95	23.08	23.47	0-1	1
	16QAM	1	0	22.94	23.20	23.76	0-1	1
		1	3	23.02	23.20	23.57	0-1	1
		1	5	23.07	23.22	23.61	0-1	1
		3	0	23.07	23.17	23.48	0-1	2
		3	1	22.95	23.23	23.67	0-1	2
		3	3	22.89	23.21	23.60	0-1	2
		6	0	21.95	22.05	22.47	0-2	2
	64QAM	1	0	22.12	22.16	22.45	0-2	2
		1	3	22.12	22.24	22.69	0-2	2
		1	5	22.05	22.20	22.57	0-2	2
		3	0	22.00	22.10	22.56	0-2	3
		3	1	21.96	22.08	22.42	0-2	3
		3	3	21.94	22.09	22.53	0-2	3
		6	0	20.93	21.03	21.46	0-3	3
	256QAM	1	0	18.91	19.05	19.51	0-5	5
		1	3	18.93	19.08	19.54	0-5	5
		1	5	18.96	19.17	19.44	0-5	5
		3	0	18.91	19.02	19.58	0-5	5
		3	1	18.97	19.02	19.45	0-5	5
		3	3	18.89	19.16	19.51	0-5	5
		6	0	18.86	18.99	19.53	0-5	5

LTE Band 25 _ 3 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26055 Ch. 1851.5 MHz	26365 Ch. 1882.5 MHz	26675Ch. 1913.5 MHz		
3 MHz	QPSK	1	0	23.77	23.95	24.31	0	0
		1	7	23.91	24.12	24.47	0	0
		1	14	23.76	23.91	24.35	0	0
		8	0	23.03	23.01	23.46	0-1	1
		8	3	23.03	22.99	23.55	0-1	1
		8	7	22.95	23.11	23.52	0-1	1
		15	0	22.98	23.00	23.43	0-1	1
	16QAM	1	0	22.96	23.36	23.79	0-1	1
		1	7	23.22	23.35	23.66	0-1	1
		1	14	23.03	23.34	23.61	0-1	1
		8	0	22.00	22.04	22.47	0-2	2
		8	3	22.03	22.04	22.61	0-2	2
		8	7	22.00	22.18	22.62	0-2	2
		15	0	21.98	22.03	22.49	0-2	2
	64QAM	1	0	21.93	22.11	22.59	0-2	2
		1	7	22.10	22.38	22.72	0-2	2
		1	14	21.92	22.26	22.54	0-2	2
		8	0	20.92	21.00	21.41	0-3	3
		8	3	20.97	21.03	21.53	0-3	3
		8	7	20.92	21.07	21.58	0-3	3
		15	0	20.92	21.01	21.49	0-3	3
	256QAM	1	0	18.95	18.91	19.47	0-5	5
		1	7	19.01	19.17	19.58	0-5	5
		1	14	18.92	19.07	19.48	0-5	5
		8	0	19.01	19.02	19.47	0-5	5
		8	3	18.99	19.03	19.55	0-5	5
		8	7	18.96	19.16	19.54	0-5	5
		15	0	18.92	18.93	19.49	0-5	5

LTE Band 25 _ 5 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26065 Ch. 1852.5 MHz	26365 Ch. 1882.5 MHz	26665 Ch. 1912.5 MHz		
5 MHz	QPSK	1	0	23.85	24.01	24.46	0	0
		1	12	23.92	24.07	24.56	0	0
		1	24	23.89	24.04	24.48	0	0
		12	0	22.95	22.96	23.41	0-1	1
		12	6	22.99	23.09	23.48	0-1	1
		12	11	22.95	23.07	23.52	0-1	1
		25	0	22.92	23.01	23.43	0-1	1
	16QAM	1	0	23.21	23.10	23.86	0-1	1
		1	12	23.06	23.48	23.74	0-1	1
		1	24	23.01	23.29	23.60	0-1	1
		12	0	22.01	21.98	22.45	0-2	2
		12	6	22.04	22.14	22.48	0-2	2
		12	11	21.96	22.12	22.50	0-2	2
		25	0	21.88	22.04	22.38	0-2	2
	64QAM	1	0	22.06	22.00	22.60	0-2	2
		1	12	22.00	22.26	22.57	0-2	2
		1	24	22.02	22.24	22.53	0-2	2
		12	0	20.91	21.04	21.40	0-3	3
		12	6	21.01	21.08	21.42	0-3	3
		12	11	20.96	21.12	21.55	0-3	3
		25	0	20.93	20.97	21.47	0-3	3
	256QAM	1	0	18.84	19.02	19.44	0-5	5
		1	12	19.03	19.12	19.61	0-5	5
		1	24	18.94	19.28	19.63	0-5	5
		12	0	18.95	18.96	19.49	0-5	5
		12	6	18.92	19.05	19.59	0-5	5
		12	11	18.84	19.09	19.57	0-5	5
		25	0	18.90	19.01	19.37	0-5	5

LTE Band 25 _ 10 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26090 Ch. 1855 MHz	26365 Ch. 1882.5 MHz	26640 Ch. 1910 MHz		
10 MHz	QPSK	1	0	24.00	24.09	24.44	0	0
		1	24	24.02	24.11	24.44	0	0
		1	49	23.98	24.08	24.46	0	0
		25	0	22.93	23.00	23.39	0-1	1
		25	12	23.01	23.11	23.43	0-1	1
		25	24	23.03	23.12	23.43	0-1	1
	16QAM	50	0	22.93	22.99	23.44	0-1	1
		1	0	23.12	23.23	23.61	0-1	1
		1	24	22.97	23.33	23.67	0-1	1
		1	49	23.02	23.53	23.73	0-1	1
		25	0	21.88	21.99	22.39	0-2	2
		25	12	21.97	22.12	22.49	0-2	2
	64QAM	25	24	21.93	22.17	22.52	0-2	2
		50	0	21.95	22.02	22.37	0-2	2
		1	0	21.96	22.07	22.72	0-2	2
		1	24	21.95	22.27	22.63	0-2	2
		1	49	22.06	22.19	22.68	0-2	2
		25	0	20.97	20.96	21.39	0-3	3
	256QAM	25	12	20.95	20.99	21.45	0-3	3
		25	24	20.85	21.11	21.46	0-3	3
		50	0	20.91	21.05	21.38	0-3	3
		1	0	18.95	19.02	19.40	0-5	5
		1	24	19.01	19.17	19.57	0-5	5
		1	49	18.85	19.13	19.50	0-5	5
	25	0	18.90	18.98	19.45	0-5	5	
	25	12	18.89	19.03	19.41	0-5	5	
	25	24	18.88	19.06	19.49	0-5	5	
	50	0	18.88	19.09	19.44	0-5	5	

LTE Band 25 _ 15 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26115 Ch. 1857.5 MHz	26365 Ch. 1882.5 MHz	26615 Ch. 1907.5 MHz		
15 MHz	QPSK	1	0	23.55	23.70	24.06	0	0
		1	36	24.09	24.01	24.33	0	0
		1	74	24.07	23.91	24.39	0	0
		36	0	22.81	22.96	23.28	0-1	1
		36	18	22.86	22.97	23.38	0-1	1
		36	39	22.84	23.02	23.45	0-1	1
		75	0	22.83	22.99	23.38	0-1	1
	16QAM	1	0	23.11	22.98	23.58	0-1	1
		1	36	23.00	23.28	23.44	0-1	1
		1	74	22.91	23.23	23.46	0-1	1
		36	0	21.72	21.96	22.23	0-2	2
		36	18	21.81	21.99	22.35	0-2	2
		36	39	21.89	22.07	22.42	0-2	2
		75	0	21.87	21.98	22.29	0-2	2
	64QAM	1	0	21.91	22.08	22.32	0-2	2
		1	36	21.86	21.98	22.33	0-2	2
		1	74	21.97	22.18	22.59	0-2	2
		36	0	20.75	20.94	21.27	0-3	3
		36	18	20.82	20.94	21.34	0-3	3
		36	39	20.90	21.03	21.37	0-3	3
		75	0	20.81	20.97	21.33	0-3	3
	256QAM	1	0	18.97	18.99	19.13	0-5	5
		1	36	18.71	19.27	19.58	0-5	5
		1	74	19.09	18.86	19.64	0-5	5
		36	0	18.63	18.94	19.18	0-5	5
		36	18	18.82	18.89	19.36	0-5	5
		36	39	18.79	19.07	19.33	0-5	5
75		0	18.79	19.04	19.28	0-5	5	

LTE Band 25 _ 20 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26140 Ch. 1860 MHz	26365 Ch. 1882.5 MHz	26590 Ch. 1905 MHz		
20 MHz	QPSK	1	0	23.65	23.73	24.35	0	0
		1	49	23.80	23.83	24.25	0	0
		1	99	23.79	23.81	24.27	0	0
		50	0	22.75	22.92	23.16	0-1	1
		50	25	22.90	22.96	23.33	0-1	1
		50	49	22.80	23.00	23.32	0-1	1
		100	0	22.92	22.92	23.33	0-1	1
	16QAM	1	0	22.90	23.25	23.33	0-1	1
		1	49	23.04	23.14	23.46	0-1	1
		1	99	22.93	23.24	23.35	0-1	1
		50	0	21.75	22.01	22.17	0-2	2
		50	25	21.83	21.94	22.30	0-2	2
		50	49	21.87	22.11	22.39	0-2	2
		100	0	21.90	22.04	22.36	0-2	2
	64QAM	1	0	21.84	21.98	22.26	0-2	2
		1	49	21.95	22.00	22.49	0-2	2
		1	99	22.11	22.05	22.43	0-2	2
		50	0	20.75	20.92	21.17	0-3	3
		50	25	20.86	20.96	21.28	0-3	3
		50	49	20.84	21.06	21.34	0-3	3
		100	0	20.86	20.88	21.30	0-3	3
	256QAM	1	0	18.77	19.12	19.19	0-5	5
		1	49	18.95	19.18	19.32	0-5	5
		1	99	18.82	19.23	19.44	0-5	5
50		0	18.79	18.93	19.16	0-5	5	
50		25	18.88	18.90	19.26	0-5	5	
50		49	18.83	19.04	19.20	0-5	5	
100		0	18.86	18.99	19.33	0-5	5	

[LTE Band 26 Conducted Power _ Main 1 Ant. (DSI 0)]

LTE Band 26 _ 1.4 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26697 Ch. 814.7 MHz	26865 Ch. 831.5 MHz	27033 Ch. 848.3 MHz		
1.4 MHz	QPSK	1	0	24.43	23.94	24.14	0	0
		1	3	24.49	23.98	24.22	0	0
		1	5	24.39	23.93	24.17	0	0
		3	0	24.35	23.89	24.24	0	1
		3	1	24.44	23.98	24.12	0	1
		3	3	24.40	23.95	24.22	0	1
		6	0	22.95	22.39	22.65	0-1	1
	16QAM	1	0	23.79	23.25	23.38	0-1	1
		1	3	23.65	23.25	23.31	0-1	1
		1	5	23.66	23.04	23.42	0-1	1
		3	0	23.54	23.00	23.39	0-1	2
		3	1	23.48	23.06	23.27	0-1	2
		3	3	23.61	22.97	23.23	0-1	2
		6	0	22.53	21.96	22.20	0-2	2
	64QAM	1	0	22.65	22.17	22.19	0-2	2
		1	3	22.68	22.04	22.37	0-2	2
		1	5	22.50	22.23	22.33	0-2	2
		3	0	22.61	22.08	22.27	0-2	3
		3	1	22.60	22.07	22.21	0-2	3
		3	3	22.45	21.94	22.25	0-2	3
		6	0	21.38	20.90	21.21	0-3	3
	256QAM	1	0	19.57	19.04	19.26	0-5	5
		1	3	19.50	18.96	19.14	0-5	5
		1	5	19.56	19.01	19.28	0-5	5
		3	0	19.43	19.02	19.30	0-5	5
		3	1	19.45	18.97	19.20	0-5	5
		3	3	19.49	18.99	19.24	0-5	5
		6	0	19.40	18.96	19.14	0-5	5

LTE Band 26 _ 3 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26705 Ch. 815.5 MHz	26865 Ch. 831.5 MHz	27025 Ch. 847.5 MHz		
3 MHz	QPSK	1	0	24.47	23.86	24.03	0	0
		1	7	24.42	23.85	24.26	0	0
		1	14	24.39	23.96	24.16	0	0
		8	0	23.41	22.94	23.10	0-1	1
		8	3	23.49	23.02	23.23	0-1	1
		8	7	23.36	22.96	23.18	0-1	1
		15	0	23.44	22.99	23.19	0-1	1
	16QAM	1	0	23.69	23.13	23.26	0-1	1
		1	7	23.58	23.16	23.37	0-1	1
		1	14	23.57	23.05	23.33	0-1	1
		8	0	22.50	21.99	22.15	0-2	2
		8	3	22.51	22.09	22.19	0-2	2
		8	7	22.44	22.04	22.25	0-2	2
		15	0	22.47	21.94	22.15	0-2	2
	64QAM	1	0	22.46	22.15	22.32	0-2	2
		1	7	22.57	22.30	22.36	0-2	2
		1	14	22.42	22.15	22.21	0-2	2
		8	0	21.43	20.95	21.09	0-3	3
		8	3	21.49	21.00	21.16	0-3	3
		8	7	21.38	21.01	21.20	0-3	3
		15	0	21.44	20.93	21.14	0-3	3
	256QAM	1	0	19.60	18.94	19.22	0-5	5
		1	7	19.40	19.18	19.38	0-5	5
		1	14	19.39	19.09	19.23	0-5	5
		8	0	19.48	18.96	19.12	0-5	5
		8	3	19.51	18.92	19.13	0-5	5
		8	7	19.38	19.00	19.29	0-5	5
15		0	19.50	18.92	19.21	0-5	5	

LTE Band 26 _ 5 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26715 Ch. 816.5 MHz	26865 Ch. 831.5 MHz	27015 Ch. 846.5 MHz		
5 MHz	QPSK	1	0	24.36	23.86	24.10	0	0
		1	12	24.41	23.97	24.23	0	0
		1	24	24.31	23.94	24.20	0	0
		12	0	23.41	23.03	23.17	0-1	1
		12	6	23.41	23.05	23.20	0-1	1
		12	11	23.32	23.00	23.27	0-1	1
		25	0	23.40	22.98	23.19	0-1	1
	16QAM	1	0	23.64	23.33	23.33	0-1	1
		1	12	23.68	23.26	23.40	0-1	1
		1	24	23.55	23.03	23.35	0-1	1
		12	0	22.50	22.07	22.16	0-2	2
		12	6	22.48	21.99	22.17	0-2	2
		12	11	22.30	21.95	22.23	0-2	2
		25	0	22.37	22.02	22.19	0-2	2
	64QAM	1	0	22.52	22.14	22.34	0-2	2
		1	12	22.54	22.03	22.34	0-2	2
		1	24	22.34	21.99	22.33	0-2	2
		12	0	21.45	21.07	21.09	0-3	3
		12	6	21.45	21.01	21.15	0-3	3
		12	11	21.30	20.94	21.17	0-3	3
		25	0	21.32	20.97	21.20	0-3	3
	256QAM	1	0	19.49	19.05	19.18	0-5	5
		1	12	19.47	19.00	19.37	0-5	5
		1	24	19.25	19.02	19.21	0-5	5
		12	0	19.44	18.94	19.13	0-5	5
		12	6	19.47	19.04	19.13	0-5	5
		12	11	19.32	19.01	19.26	0-5	5
		25	0	19.38	18.99	19.18	0-5	5

LTE Band 26 _ 10 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26740 Ch. 819 MHz	26865 Ch. 831.5 MHz	26990 Ch. 844 MHz		
10 MHz	QPSK	1	0	24.51	23.99	24.16	0	0
		1	24	24.32	24.01	24.23	0	0
		1	49	24.08	24.04	24.22	0	0
		25	0	23.41	23.08	23.07	0-1	1
		25	12	23.23	23.02	23.11	0-1	1
		25	24	23.13	22.98	23.21	0-1	1
	16QAM	50	0	23.25	22.99	23.06	0-1	1
		1	0	23.74	23.26	23.40	0-1	1
		1	24	23.42	23.21	23.50	0-1	1
		1	49	23.37	23.17	23.30	0-1	1
		25	0	22.36	22.02	22.08	0-2	2
		25	12	22.30	22.04	22.14	0-2	2
	64QAM	25	24	22.17	21.96	22.22	0-2	2
		50	0	22.23	22.00	22.11	0-2	2
		1	0	22.57	22.12	22.13	0-2	2
		1	24	22.36	22.09	22.34	0-2	2
		1	49	22.32	22.21	22.41	0-2	2
		25	0	21.37	21.00	21.05	0-3	3
	256QAM	25	12	21.20	20.97	21.13	0-3	3
		25	24	21.17	20.98	21.19	0-3	3
		50	0	21.23	20.99	21.07	0-3	3
		1	0	19.38	19.17	19.17	0-5	5
		1	24	19.34	19.06	19.22	0-5	5
		1	49	19.15	19.17	19.30	0-5	5
	256QAM	25	0	19.30	19.00	19.02	0-5	5
		25	12	19.26	19.03	19.20	0-5	5
		25	24	19.16	18.97	19.20	0-5	5
		50	0	19.22	19.07	19.08	0-5	5

LTE Band 26 _ 15 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				26865 Ch. 831.5 MHz		
15 MHz	QPSK	1	0	23.91	0	0
		1	36	23.84	0	0
		1	74	23.88	0	0
		36	0	23.00	0-1	1
		36	18	22.88	0-1	1
		36	39	22.90	0-1	1
		75	0	22.95	0-1	1
	16QAM	1	0	23.19	0-1	1
		1	36	22.84	0-1	1
		1	74	22.96	0-1	1
		36	0	21.99	0-2	2
		36	18	21.91	0-2	2
		36	39	21.91	0-2	2
		75	0	21.89	0-2	2
	64QAM	1	0	22.12	0-2	2
		1	36	21.88	0-2	2
		1	74	21.97	0-2	2
		36	0	20.97	0-3	3
		36	18	20.88	0-3	3
		36	39	21.00	0-3	3
		75	0	20.94	0-3	3
	256QAM	1	0	19.05	0-5	5
		1	36	18.89	0-5	5
		1	74	19.21	0-5	5
		36	0	18.96	0-5	5
		36	18	18.97	0-5	5
		36	39	18.90	0-5	5
75		0	18.91	0-5	5	

[LTE Band 30 Conducted Power _ Main 1 Ant. (DSI 0)]

LTE Band 30 _ 5 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				27710 Ch. 2310 MHz		
5 MHz	QPSK	1	0	22.34	0	0
		1	12	22.61	0	0
		1	24	22.49	0	0
		12	0	21.46	0-1	1
		12	6	21.59	0-1	1
		12	11	21.44	0-1	1
		25	0	21.44	0-1	1
	16QAM	1	0	21.78	0-1	1
		1	12	21.81	0-1	1
		1	24	21.54	0-1	1
		12	0	20.57	0-2	2
		12	6	20.60	0-2	2
		12	11	20.48	0-2	2
		25	0	20.38	0-2	2
	64QAM	1	0	20.38	0-2	2
		1	12	20.61	0-2	2
		1	24	20.60	0-2	2
		12	0	19.59	0-3	3
		12	6	19.53	0-3	3
		12	11	19.46	0-3	3
		25	0	19.46	0-3	3
	256QAM	1	0	17.49	0-5	5
		1	12	17.61	0-5	5
		1	24	17.44	0-5	5
		12	0	17.49	0-5	5
		12	6	17.50	0-5	5
		12	11	17.51	0-5	5
		25	0	17.52	0-5	5

LTE Band 30 _ 10 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				27710 Ch. 2310 MHz		
10 MHz	QPSK	1	0	22.48	0	0
		1	24	22.63	0	0
		1	49	22.41	0	0
		25	0	21.47	0-1	1
		25	12	21.58	0-1	1
		25	24	21.45	0-1	1
	16QAM	50	0	21.49	0-1	1
		1	0	21.64	0-1	1
		1	24	21.73	0-1	1
		1	49	21.63	0-1	1
		25	0	20.49	0-2	2
		25	12	20.57	0-2	2
	64QAM	25	24	20.53	0-2	2
		50	0	20.46	0-2	2
		1	0	20.60	0-2	2
		1	24	20.64	0-2	2
		1	49	20.48	0-2	2
		25	0	19.61	0-3	3
	256QAM	25	12	19.50	0-3	3
		25	24	19.46	0-3	3
		50	0	19.51	0-3	3
		1	0	17.57	0-5	5
		1	24	17.72	0-5	5
		1	49	17.47	0-5	5
		25	0	17.52	0-5	5
		25	12	17.59	0-5	5
		25	24	17.52	0-5	5
		50	0	17.36	0-5	5

[LTE TDD Band 41 Conducted Power (Power Class 3) _ Main 1 Ant. (DSI 0)]

LTE TDD Band 41 (Power Class 3) _5 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
5 MHz	QPSK	1	0	24.41	24.27	23.58	23.63	23.99	0	0
		1	12	24.40	24.42	23.66	23.75	24.17	0	0
		1	24	24.41	24.22	23.53	23.64	24.04	0	0
		12	0	23.43	23.38	22.62	22.69	22.97	0-1	1
		12	6	23.55	23.39	22.64	22.68	23.04	0-1	1
		12	11	23.49	23.30	22.53	22.76	23.09	0-1	1
		25	0	23.45	23.32	22.63	22.76	23.08	0-1	1
	16QAM	1	0	23.39	23.28	22.58	22.57	22.90	0-1	1
		1	12	23.46	23.33	22.57	22.63	23.10	0-1	1
		1	24	23.43	23.20	22.33	22.54	22.96	0-1	1
		12	0	22.40	22.35	21.61	21.62	21.97	0-2	2
		12	6	22.55	22.38	21.63	21.69	22.02	0-2	2
		12	11	22.46	22.29	21.51	21.70	22.09	0-2	2
		25	0	22.49	22.34	21.60	21.71	22.06	0-2	2
	64QAM	1	0	21.71	22.44	21.64	21.71	22.07	0-2	2
		1	12	21.81	22.47	21.73	21.81	22.17	0-2	2
		1	24	21.66	22.39	21.58	21.68	22.06	0-2	2
		12	0	20.66	21.43	20.63	20.65	21.05	0-3	3
		12	6	20.69	21.41	20.61	20.63	21.01	0-3	3
		12	11	20.74	21.25	20.54	20.72	21.07	0-3	3
		25	0	20.74	21.32	20.57	20.73	21.09	0-3	3
	256QAM	1	0	19.22	19.32	18.50	18.48	18.91	0-5	5
		1	12	19.47	19.45	18.41	18.67	19.00	0-5	5
		1	24	19.21	19.17	18.36	18.57	18.86	0-5	5
		12	0	19.36	19.35	18.59	18.67	19.00	0-5	5
		12	6	19.48	19.41	18.62	18.63	19.03	0-5	5
		12	11	19.47	19.30	18.52	18.67	19.08	0-5	5
		25	0	19.44	19.37	18.59	18.71	19.06	0-5	5

LTE TDD Band 41 (Power Class 3) _10 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]	
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz			
10 MHz	QPSK	1	0	24.30	24.28	23.60	23.66	23.97	0	0	
		1	24	24.42	24.36	23.63	23.75	24.11	0	0	
		1	49	24.40	24.28	23.53	23.66	24.12	0	0	
		25	0	23.39	23.40	22.63	22.69	23.00	0-1	1	
		25	12	23.49	23.37	22.64	22.71	23.02	0-1	1	
		25	24	23.43	23.28	22.49	22.76	23.12	0-1	1	
	16QAM	50	0	23.46	23.36	22.61	22.75	23.09	0-1	1	
		1	0	23.20	23.28	22.50	22.59	22.88	0-1	1	
		1	24	23.29	23.39	22.55	22.67	23.07	0-1	1	
		1	49	23.49	23.16	22.30	22.63	23.08	0-1	1	
		25	0	22.36	22.39	21.63	21.66	22.02	0-2	2	
		25	12	22.47	22.39	21.61	21.68	22.06	0-2	2	
	64QAM	25	24	22.45	22.25	21.53	21.75	22.13	0-2	2	
		50	0	22.46	22.36	21.60	21.75	22.07	0-2	2	
		1	0	22.33	22.37	21.66	21.67	22.10	0-2	2	
		1	24	22.45	22.44	21.68	21.81	22.16	0-2	2	
		1	49	22.55	22.28	21.58	21.62	22.13	0-2	2	
		25	0	21.33	21.38	20.64	20.67	20.99	0-3	3	
	256QAM	25	12	21.47	21.38	20.64	20.68	21.07	0-3	3	
		25	24	21.44	21.28	20.51	20.71	21.11	0-3	3	
		50	0	21.46	21.36	20.60	20.73	21.08	0-3	3	
		1	0	19.02	19.40	18.46	18.36	18.88	0-5	5	
		1	24	19.45	19.31	18.52	18.79	19.00	0-5	5	
		1	49	19.37	19.16	18.42	18.68	18.92	0-5	5	
			25	0	19.34	19.41	18.62	18.66	19.00	0-5	5
			25	12	19.47	19.43	18.62	18.71	19.07	0-5	5
			25	24	19.45	19.34	18.49	18.73	19.14	0-5	5
50			0	19.44	19.40	18.60	18.74	19.11	0-5	5	

LTE TDD Band 41 (Power Class 3) _15 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
15 MHz	QPSK	1	0	24.06	24.22	23.62	23.59	23.81	0	0
		1	36	24.21	24.29	23.52	23.64	24.03	0	0
		1	74	24.40	24.09	23.45	23.71	24.11	0	0
		36	0	23.29	23.27	22.61	22.61	22.94	0-1	1
		36	18	23.41	23.29	22.54	22.62	22.93	0-1	1
		36	39	23.42	23.20	22.42	22.69	23.02	0-1	1
		75	0	23.39	23.31	22.55	22.65	22.93	0-1	1
	16QAM	1	0	23.24	23.12	22.51	22.36	22.81	0-1	1
		1	36	23.28	23.17	22.41	22.50	22.91	0-1	1
		1	74	23.23	23.11	22.35	22.57	23.00	0-1	1
		36	0	22.29	22.27	21.62	21.58	21.91	0-2	2
		36	18	22.39	22.30	21.52	21.59	21.94	0-2	2
		36	39	22.40	22.14	21.42	21.66	22.02	0-2	2
		75	0	22.37	22.28	21.55	21.68	21.93	0-2	2
	64QAM	1	0	22.25	22.35	21.47	21.61	21.99	0-2	2
		1	36	22.34	22.31	21.60	21.69	22.06	0-2	2
		1	74	22.31	22.29	21.56	21.92	22.20	0-2	2
		36	0	21.25	21.34	20.62	20.59	20.91	0-3	3
		36	18	21.35	21.27	20.53	20.58	20.96	0-3	3
		36	39	21.40	21.19	20.41	20.66	21.01	0-3	3
		75	0	21.33	21.32	20.52	20.68	20.93	0-3	3
	256QAM	1	0	19.06	19.36	18.39	18.53	18.69	0-5	5
		1	36	19.14	19.07	18.49	18.70	18.85	0-5	5
		1	74	19.44	19.08	18.37	18.55	19.06	0-5	5
		36	0	19.27	19.31	18.56	18.52	18.89	0-5	5
		36	18	19.31	19.29	18.52	18.58	18.97	0-5	5
		36	39	19.41	19.18	18.38	18.63	19.07	0-5	5
		75	0	19.36	19.31	18.54	18.66	18.91	0-5	5

LTE TDD Band 41 (Power Class 3) _20 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
20 MHz	QPSK	1	0	24.01	24.43	23.70	23.49	23.91	0	0
		1	49	24.16	24.26	23.51	23.54	24.01	0	0
		1	99	24.34	24.07	23.47	23.64	24.09	0	0
		50	0	23.35	23.32	22.64	22.60	22.94	0-1	1
		50	25	23.44	23.46	22.58	22.70	23.04	0-1	1
		50	49	23.43	23.17	22.44	22.68	23.05	0-1	1
		100	0	23.39	23.32	22.57	22.70	22.96	0-1	1
	16QAM	1	0	23.00	23.11	22.64	22.50	22.71	0-1	1
		1	49	23.25	23.22	22.55	22.42	22.95	0-1	1
		1	99	23.32	22.89	22.32	22.50	23.04	0-1	1
		50	0	22.27	22.29	21.57	21.56	21.92	0-2	2
		50	25	22.38	22.28	21.53	21.70	22.03	0-2	2
		50	49	22.45	22.16	21.46	21.62	22.04	0-2	2
		100	0	22.36	22.30	21.55	21.65	21.91	0-2	2
	64QAM	1	0	22.22	22.40	21.57	21.63	21.94	0-2	2
		1	49	22.32	22.27	21.63	21.58	22.03	0-2	2
		1	99	22.46	22.02	21.60	21.72	22.19	0-2	2
		50	0	21.30	21.27	20.60	20.59	20.90	0-3	3
		50	25	21.41	21.30	20.57	20.65	21.02	0-3	3
		50	49	21.45	21.19	20.43	20.66	21.04	0-3	3
		100	0	21.40	21.29	20.54	20.66	20.96	0-3	3
	256QAM	1	0	19.04	19.34	18.49	18.48	18.73	0-5	5
		1	49	19.21	19.18	18.56	18.55	19.00	0-5	5
		1	99	19.38	19.08	18.35	18.63	19.15	0-5	5
		50	0	19.26	19.32	18.59	18.58	18.89	0-5	5
		50	25	19.38	19.28	18.52	18.66	19.02	0-5	5
		50	49	19.41	19.15	18.42	18.64	19.06	0-5	5
		100	0	19.35	19.25	18.56	18.64	18.93	0-5	5

Note; LTE Band 41 has 5 required test channels per FCC KDB 447498 D04 v01.

[LTE TDD Band 41 Conducted Power (Power Class 2) _ Main 1 Ant. (DSI 0)]

LTE TDD Band 41 (Power Class 2) _5 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
5 MHz	QPSK	1	0	26.41	26.44	25.62	25.72	26.04	0	0
		1	12	26.51	26.54	25.65	25.86	26.16	0	0
		1	24	26.43	26.39	25.55	25.77	26.09	0	0
		12	0	25.34	25.45	24.63	24.62	25.00	0-1	1
		12	6	25.46	25.44	24.66	24.65	25.07	0-1	1
		12	11	25.43	25.31	24.54	24.76	25.11	0-1	1
		25	0	25.46	25.42	24.60	24.74	25.09	0-1	1
	16QAM	1	0	25.66	25.61	24.81	24.92	25.30	0-1	1
		1	12	25.81	25.70	24.82	24.96	25.36	0-1	1
		1	24	25.68	25.56	24.71	24.91	25.24	0-1	1
		12	0	24.41	24.46	23.64	23.70	24.05	0-2	2
		12	6	24.54	24.45	23.66	23.72	24.09	0-2	2
		12	11	24.50	24.34	23.56	23.77	24.14	0-2	2
		25	0	24.42	24.44	23.62	23.76	24.13	0-2	2
	64QAM	1	0	24.60	24.66	23.82	23.93	24.36	0-2	2
		1	12	24.75	24.72	23.95	24.12	24.45	0-2	2
		1	24	24.60	24.59	23.73	24.00	24.40	0-2	2
		12	0	23.43	23.42	22.68	22.66	23.03	0-3	3
		12	6	23.57	23.47	22.69	22.73	23.08	0-3	3
		12	11	23.65	23.35	22.55	22.77	23.16	0-3	3
		25	0	23.45	23.41	22.57	22.74	23.16	0-3	3
	256QAM	1	0	21.38	21.49	20.80	20.73	21.04	0-5	5
		1	12	21.67	21.54	20.82	20.82	21.23	0-5	5
		1	24	21.46	21.37	20.58	20.87	21.27	0-5	5
		12	0	21.38	21.43	20.65	20.70	21.02	0-5	5
		12	6	21.55	21.48	20.64	20.74	21.05	0-5	5
		12	11	21.54	21.34	20.56	20.72	21.10	0-5	5
		25	0	21.48	21.42	20.60	20.75	21.12	0-5	5

LTE TDD Band 41 (Power Class 2) _10 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
10 MHz	QPSK	1	0	26.58	26.45	25.70	26.01	26.14	0	0
		1	24	26.60	26.43	25.64	25.88	26.20	0	0
		1	49	26.62	26.37	25.54	25.80	26.19	0	0
		25	0	25.46	25.42	24.63	24.70	25.04	0-1	1
		25	12	25.51	25.44	24.65	24.71	25.05	0-1	1
		25	24	25.50	25.33	24.47	24.77	25.15	0-1	1
	16QAM	50	0	25.49	25.43	24.61	24.77	25.14	0-1	1
		1	0	25.53	25.69	24.90	24.89	25.29	0-1	1
		1	24	25.73	25.71	24.80	24.98	25.39	0-1	1
		1	49	25.78	25.64	24.77	24.96	25.43	0-1	1
		25	0	24.42	24.45	23.65	23.72	24.03	0-2	2
		25	12	24.52	24.46	23.66	23.72	24.08	0-2	2
	64QAM	25	24	24.53	24.37	23.53	23.75	24.17	0-2	2
		50	0	24.48	24.42	23.64	23.76	24.10	0-2	2
		1	0	24.71	24.81	23.91	23.97	24.36	0-2	2
		1	24	24.76	24.71	23.97	24.15	24.45	0-2	2
		1	49	24.90	24.74	23.75	23.93	24.48	0-2	2
		25	0	23.39	23.45	22.66	22.71	23.01	0-3	3
	256QAM	25	12	23.54	23.45	22.65	22.71	23.07	0-3	3
		25	24	23.50	23.35	22.53	22.79	23.16	0-3	3
		50	0	23.49	23.42	22.61	22.75	23.14	0-3	3
		1	0	21.32	21.51	20.60	20.69	21.25	0-5	5
		1	24	21.62	21.52	20.82	20.87	21.07	0-5	5
		1	49	21.54	21.34	20.63	20.83	21.27	0-5	5
	25	0	21.38	21.44	20.68	20.68	21.10	0-5	5	
	25	12	21.53	21.46	20.66	20.66	21.09	0-5	5	
	25	24	21.52	21.39	20.56	20.72	21.09	0-5	5	
	50	0	21.48	21.41	20.66	20.76	21.15	0-5	5	

LTE TDD Band 41 (Power Class 2) _15 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
15 MHz	QPSK	1	0	26.51	26.43	25.71	25.89	25.93	0	0
		1	36	26.42	26.40	25.48	25.71	26.11	0	0
		1	74	26.53	26.30	25.50	25.90	26.16	0	0
		36	0	25.31	25.35	24.63	24.62	24.94	0-1	1
		36	18	25.42	25.32	24.55	24.62	24.96	0-1	1
		36	39	25.42	25.20	24.41	24.63	25.02	0-1	1
		75	0	25.43	25.34	24.53	24.69	24.96	0-1	1
	16QAM	1	0	25.57	25.46	24.82	24.72	25.09	0-1	1
		1	36	25.52	25.49	24.70	24.96	25.27	0-1	1
		1	74	25.66	25.47	24.68	24.93	25.30	0-1	1
		36	0	24.28	24.32	23.57	23.59	23.92	0-2	2
		36	18	24.36	24.34	23.56	23.54	23.97	0-2	2
		36	39	24.43	24.22	23.45	23.67	24.05	0-2	2
		75	0	24.38	24.35	23.57	23.64	24.00	0-2	2
	64QAM	1	0	24.54	24.71	23.99	23.82	24.13	0-2	2
		1	36	24.63	24.60	23.79	24.04	24.33	0-2	2
		1	74	24.75	24.66	23.85	24.00	24.41	0-2	2
		36	0	23.25	23.37	22.58	22.57	22.93	0-3	3
		36	18	23.40	23.32	22.54	22.62	22.98	0-3	3
		36	39	23.37	23.25	22.39	22.65	23.03	0-3	3
		75	0	23.37	23.34	22.57	22.67	23.01	0-3	3
	256QAM	1	0	21.35	21.58	20.83	20.60	20.89	0-5	5
		1	36	21.25	21.40	20.58	20.71	21.17	0-5	5
		1	74	21.69	21.44	20.50	20.83	21.14	0-5	5
		36	0	21.28	21.31	20.57	20.54	20.90	0-5	5
		36	18	21.38	21.35	20.52	20.57	20.93	0-5	5
		36	39	21.44	21.23	20.45	20.67	21.06	0-5	5
		75	0	21.38	21.32	20.56	20.61	20.99	0-5	5

LTE TDD Band 41 (Power Class 2) _20 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
20 MHz	QPSK	1	0	26.40	26.50	25.81	26.78	25.95	0	0
		1	49	26.44	26.34	25.71	25.87	26.10	0	0
		1	99	26.62	26.23	25.57	25.80	26.18	0	0
		50	0	25.33	25.38	24.61	24.61	24.93	0-1	1
		50	25	25.40	25.36	24.54	24.72	25.05	0-1	1
		50	49	25.45	25.20	24.42	24.67	25.06	0-1	1
		100	0	25.37	25.38	24.55	24.69	24.99	0-1	1
	16QAM	1	0	25.46	25.80	24.89	24.73	25.06	0-1	1
		1	49	25.62	25.56	24.83	24.96	25.35	0-1	1
		1	99	25.62	25.29	24.68	24.98	25.29	0-1	1
		50	0	24.30	24.38	23.62	23.61	23.97	0-2	2
		50	25	24.42	24.35	23.55	23.70	24.05	0-2	2
		50	49	24.43	24.23	23.42	23.65	24.04	0-2	2
		100	0	24.37	24.33	23.56	23.63	23.95	0-2	2
	64QAM	1	0	24.54	24.83	24.01	23.95	24.18	0-2	2
		1	49	24.86	24.75	23.78	23.96	24.26	0-2	2
		1	99	24.65	24.54	23.78	23.97	24.41	0-2	2
		50	0	23.30	23.38	22.64	22.59	22.92	0-3	3
		50	25	23.36	23.33	22.53	22.68	23.05	0-3	3
		50	49	23.43	23.23	22.39	22.68	23.06	0-3	3
		100	0	23.34	23.34	22.52	22.63	22.97	0-3	3
	256QAM	1	0	21.36	21.61	20.85	20.69	21.00	0-5	5
		1	49	21.52	21.44	20.61	20.73	21.12	0-5	5
		1	99	21.62	21.45	20.60	20.91	21.31	0-5	5
		50	0	21.28	21.36	20.60	20.61	20.95	0-5	5
		50	25	21.40	21.33	20.58	20.70	21.07	0-5	5
		50	49	21.45	21.26	20.41	20.63	21.07	0-5	5
		100	0	21.39	21.34	20.56	20.66	20.95	0-5	5

Note; LTE Band 41 has 5 required test channels per FCC KDB 447498 D04 v01

[LTE Band 48 Conducted Power _ Main 2 Ant. (DSI 0)]

LTE Band 48 _ 5 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]				MPR Allowed Per 3GPP [dB]	MPR [dB]	
				55265 Ch. 3552.5 MHz	55748 Ch. 3600.8 MHz	56232 Ch. 3649.2 MHz	56715 Ch. 3697.5 MHz			
5 MHz	QPSK	1	0	21.89	22.09	22.06	21.80	0	0	
		1	12	22.00	22.10	22.08	21.89	0	0	
		1	24	22.06	22.07	22.04	21.82	0	0	
		12	0	21.04	21.24	21.10	20.93	0-1	1	
		12	6	21.07	21.39	21.14	20.97	0-1	1	
		12	11	21.09	21.32	21.14	20.95	0-1	1	
	16QAM	25	0	21.05	21.34	21.13	20.95	0-1	1	
		1	0	21.02	21.16	20.99	20.87	0-1	1	
		1	12	21.16	21.26	21.15	20.93	0-1	1	
		1	24	21.08	21.25	21.04	20.82	0-1	1	
		12	0	19.92	20.24	20.09	19.94	0-2	2	
		12	6	20.07	20.35	20.17	19.98	0-2	2	
	64QAM	12	11	20.10	20.36	20.15	19.93	0-2	2	
		25	0	20.02	20.35	20.13	19.95	0-2	2	
		1	0	19.84	20.22	20.14	19.98	0-2	2	
		1	12	20.00	20.32	20.25	20.05	0-2	2	
		1	24	20.03	20.32	20.17	19.89	0-2	2	
		12	0	18.93	19.27	19.14	18.99	0-3	3	
	256QAM	12	6	19.10	19.36	19.15	18.99	0-3	3	
		12	11	18.96	19.36	19.12	18.97	0-3	3	
		25	0	19.02	19.35	19.15	18.98	0-3	3	
		1	0	16.98	17.05	17.15	16.89	0-5	5	
		1	12	17.04	17.32	17.07	17.05	0-5	5	
		1	24	16.90	17.23	17.11	16.86	0-5	5	
		256QAM	12	0	17.04	17.33	17.22	17.04	0-5	5
			12	6	17.08	17.39	17.21	17.09	0-5	5
			12	11	17.07	17.36	17.20	17.04	0-5	5
			25	0	17.03	17.32	17.21	17.07	0-5	5

LTE Band 48 _ 10 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]				MPR Allowed Per 3GPP [dB]	MPR [dB]	
				55290Ch. 3555 MHz	55757 Ch. 3601.7 MHz	56223 Ch. 3648.3 MHz	56690 Ch. 3695 MHz			
10 MHz	QPSK	1	0	21.91	22.09	22.00	21.93	0	0	
		1	24	22.04	22.10	22.08	21.92	0	0	
		1	49	22.06	22.08	22.06	21.84	0	0	
		25	0	20.98	21.28	21.11	20.98	0-1	1	
		25	12	21.12	21.39	21.17	21.00	0-1	1	
		25	24	21.13	21.37	21.08	20.89	0-1	1	
	16QAM	50	0	21.10	21.38	21.13	21.00	0-1	1	
		1	0	20.89	21.14	21.01	20.82	0-1	1	
		1	24	21.03	21.22	21.09	20.95	0-1	1	
		1	49	21.08	21.27	21.15	20.88	0-1	1	
		25	0	19.96	20.27	20.11	19.99	0-2	2	
		25	12	20.11	20.38	20.17	20.04	0-2	2	
	64QAM	25	24	20.14	20.38	20.08	19.90	0-2	2	
		50	0	20.08	20.39	20.14	20.01	0-2	2	
		1	0	19.98	20.31	20.07	19.99	0-2	2	
		1	24	20.09	20.34	20.10	20.08	0-2	2	
		1	49	20.11	20.37	20.12	20.02	0-2	2	
		25	0	18.98	19.29	19.08	18.99	0-3	3	
	256QAM	25	12	19.10	19.41	19.15	19.04	0-3	3	
		25	24	19.14	19.40	19.09	18.91	0-3	3	
		50	0	19.10	19.37	19.15	19.01	0-3	3	
		1	0	16.90	17.11	17.05	16.97	0-5	5	
		1	24	16.96	17.32	17.18	16.99	0-5	5	
		1	49	17.17	17.29	17.15	16.90	0-5	5	
		256QAM	25	0	17.00	17.30	17.20	17.09	0-5	5
			25	12	17.12	17.38	17.22	17.10	0-5	5
			25	24	17.12	17.36	17.17	17.01	0-5	5
			50	0	17.10	17.38	17.20	17.13	0-5	5

LTE Band 48 _ 15 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]				MPR Allowed Per 3GPP [dB]	MPR [dB]
				55315Ch. 3557.5 MHz	55765 Ch. 3602.5 MHz	56215 Ch. 3647.5 MHz	56665 Ch. 3692.5 MHz		
15 MHz	QPSK	1	0	21.73	22.08	21.88	21.74	0	0
		1	36	21.92	22.10	21.94	21.78	0	0
		1	74	21.93	22.10	21.92	21.72	0	0
		36	0	20.87	21.15	21.01	20.91	0-1	1
		36	18	21.00	21.22	21.05	20.89	0-1	1
		36	39	21.09	21.23	21.03	20.82	0-1	1
		75	0	21.01	21.26	21.05	20.91	0-1	1
	16QAM	1	0	20.70	21.17	20.92	20.85	0-1	1
		1	36	21.00	21.21	21.02	20.84	0-1	1
		1	74	20.98	21.06	20.94	20.87	0-1	1
		36	0	19.88	20.16	20.02	19.93	0-2	2
		36	18	20.01	20.24	20.07	19.95	0-2	2
		36	39	20.09	20.29	20.05	19.85	0-2	2
		75	0	20.03	20.26	20.08	19.91	0-2	2
	64QAM	1	0	19.86	20.23	19.95	19.86	0-2	2
		1	36	20.02	20.29	20.00	19.99	0-2	2
		1	74	20.14	20.20	20.02	19.83	0-2	2
		36	0	18.84	19.16	19.05	18.93	0-3	3
		36	18	19.02	19.23	19.06	18.93	0-3	3
		36	39	19.06	19.26	19.00	18.83	0-3	3
		75	0	19.02	19.24	19.06	18.92	0-3	3
	256QAM	1	0	16.72	17.03	16.92	16.92	0-5	5
		1	36	16.99	17.29	16.99	16.83	0-5	5
		1	74	17.13	17.20	17.03	16.87	0-5	5
		36	0	16.94	17.20	17.09	17.02	0-5	5
		36	18	17.01	17.28	17.13	17.01	0-5	5
		36	39	17.11	17.30	17.07	16.93	0-5	5
		75	0	17.05	17.28	17.12	17.04	0-5	5

LTE Band 48 _ 20 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]				MPR Allowed Per 3GPP [dB]	MPR [dB]
				55340Ch. 3560.0 MHz	55773 Ch. 3603.3 MHz	56207 Ch. 3646.7 MHz	56640 Ch. 3690.0 MHz		
20 MHz	QPSK	1	0	21.77	22.07	21.88	21.86	0	0
		1	49	21.94	22.10	21.94	21.79	0	0
		1	99	22.03	22.11	21.95	21.71	0	0
		50	0	20.93	21.18	21.04	20.93	0-1	1
		50	25	21.08	21.26	21.08	20.94	0-1	1
		50	49	21.13	21.27	21.06	20.88	0-1	1
	100	0	21.04	21.24	21.12	20.95	0-1	1	
	16QAM	1	0	20.86	21.17	20.92	20.85	0-1	1
		1	49	21.02	21.19	21.08	20.88	0-1	1
		1	99	21.23	21.23	20.91	20.80	0-1	1
		50	0	19.95	20.20	20.02	19.94	0-2	2
		50	25	20.12	20.31	20.09	19.99	0-2	2
		50	49	20.16	20.26	20.04	19.89	0-2	2
	64QAM	100	0	20.09	20.29	20.09	19.92	0-2	2
		1	0	19.86	20.26	20.02	19.87	0-2	2
		1	49	20.06	20.25	20.05	19.92	0-2	2
		1	99	20.17	20.21	20.08	19.87	0-2	2
		50	0	18.94	19.19	19.08	18.97	0-3	3
		50	25	19.11	19.29	19.10	18.96	0-3	3
	256QAM	50	49	19.16	19.30	19.07	18.91	0-3	3
		100	0	19.08	19.27	19.12	18.95	0-3	3
		1	0	16.84	17.19	17.01	16.99	0-5	5
		1	49	17.02	17.26	17.04	16.94	0-5	5
		1	99	17.17	17.23	17.04	16.91	0-5	5
50		0	16.94	17.23	17.12	17.01	0-5	5	
	50	25	17.10	17.32	17.16	17.04	0-5	5	
	50	49	17.14	17.32	17.13	16.94	0-5	5	
	100	0	17.13	17.30	17.17	17.04	0-5	5	

[LTE Band 66 Conducted Power _ Main 1 Ant. (DSI 0)]

LTE Band 66 _ 1.4 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]	
				131979Ch. 1710.7 MHz	132322 Ch. 1745 MHz	132665 Ch. 1779.3 MHz			
1.4 MHz	QPSK	1	0	23.54	23.97	24.10	0	0	
		1	3	23.60	24.02	24.34	0	0	
		1	5	23.57	23.98	24.16	0	0	
		3	0	23.69	24.04	24.17	0	1	
		3	1	23.63	24.01	24.24	0	1	
		3	3	23.58	23.95	24.27	0	1	
	16QAM	6	0	22.66	22.94	23.23	0-1	1	
		1	0	22.81	23.79	23.88	0-1	1	
		1	3	22.65	23.11	23.38	0-1	1	
		1	5	22.84	23.13	23.39	0-1	1	
		3	0	22.80	23.17	23.24	0-1	2	
		3	1	22.73	23.12	23.32	0-1	2	
	64QAM	3	3	22.84	23.15	23.32	0-1	2	
		6	0	21.70	22.01	22.26	0-2	2	
		1	0	21.73	22.09	22.29	0-2	2	
		1	3	21.75	22.20	22.26	0-2	2	
		1	5	21.73	22.08	22.36	0-2	2	
		3	0	21.62	22.08	22.29	0-2	3	
	256QAM	3	1	21.72	22.10	22.29	0-2	3	
		3	3	21.81	22.05	22.34	0-2	3	
		6	0	20.64	20.93	21.23	0-3	3	
		1	0	18.65	18.94	19.21	0-5	5	
		1	3	18.70	19.05	19.32	0-5	5	
		1	5	18.62	19.09	19.36	0-5	5	
			3	0	18.68	18.97	19.32	0-5	5
			3	1	18.70	19.05	19.26	0-5	5
			3	3	18.71	19.10	19.33	0-5	5
			6	0	18.64	18.99	19.31	0-5	5

LTE Band 66 _ 3 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131987 Ch. 1711.5 MHz	132322 Ch. 1745 MHz	132657 Ch. 1778.5 MHz		
3 MHz	QPSK	1	0	23.49	23.99	24.16	0	0
		1	7	23.52	24.16	24.42	0	0
		1	14	23.75	24.03	24.27	0	0
		8	0	22.72	23.05	23.31	0-1	1
		8	3	22.77	23.04	23.34	0-1	1
		8	7	22.76	23.09	23.30	0-1	1
		15	0	22.70	23.02	23.33	0-1	1
	16QAM	1	0	22.90	23.23	23.50	0-1	1
		1	7	23.02	23.31	23.66	0-1	1
		1	14	23.01	23.19	23.47	0-1	1
		8	0	21.81	22.03	22.34	0-2	2
		8	3	21.83	22.10	22.35	0-2	2
		8	7	21.80	22.15	22.37	0-2	2
		15	0	21.79	22.00	22.34	0-2	2
	64QAM	1	0	21.63	22.24	22.39	0-2	2
		1	7	21.95	22.12	22.50	0-2	2
		1	14	21.80	22.23	22.32	0-2	2
		8	0	20.81	20.98	21.28	0-3	3
		8	3	20.78	21.07	21.38	0-3	3
		8	7	20.80	21.12	21.38	0-3	3
		15	0	20.71	21.01	21.31	0-3	3
	256QAM	1	0	18.70	19.04	19.27	0-5	5
		1	7	18.70	19.24	19.55	0-5	5
		1	14	18.67	19.16	19.37	0-5	5
		8	0	18.74	19.01	19.29	0-5	5
		8	3	18.75	19.07	19.27	0-5	5
		8	7	18.72	19.10	19.39	0-5	5
		15	0	18.78	19.04	19.35	0-5	5

LTE Band 66 _ 5 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131997 Ch. 1712.5 MHz	132322Ch. 1745 MHz	132647 Ch. 1777.5 MHz		
5 MHz	QPSK	1	0	23.71	23.90	24.33	0	0
		1	12	23.92	24.15	24.36	0	0
		1	24	23.83	24.11	24.36	0	0
		12	0	22.77	23.01	23.33	0-1	1
		12	6	22.83	23.09	23.38	0-1	1
		12	11	22.83	23.12	23.35	0-1	1
	16QAM	25	0	22.82	23.09	23.30	0-1	1
		1	0	22.90	23.17	23.40	0-1	1
		1	12	22.92	23.31	23.52	0-1	1
		1	24	22.96	23.24	23.35	0-1	1
		12	0	21.76	22.04	22.41	0-2	2
		12	6	21.87	22.09	22.42	0-2	2
	64QAM	12	11	21.85	22.19	22.37	0-2	2
		25	0	21.81	22.08	22.35	0-2	2
		1	0	21.74	22.12	22.50	0-2	2
		1	12	22.01	22.38	22.56	0-2	2
		1	24	22.10	22.34	22.46	0-2	2
		12	0	20.66	21.04	21.43	0-3	3
	256QAM	12	6	20.81	21.07	21.33	0-3	3
		12	11	20.79	21.09	21.27	0-3	3
		25	0	20.77	21.09	21.35	0-3	3
		1	0	18.77	19.01	19.47	0-5	5
		1	12	18.98	19.18	19.52	0-5	5
		1	24	18.84	19.18	19.39	0-5	5
		12	0	18.71	19.02	19.33	0-5	5
		12	6	18.81	19.18	19.42	0-5	5
		12	11	18.81	19.17	19.38	0-5	5
		25	0	18.80	18.99	19.36	0-5	5

LTE Band 66 _ 10 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132022 Ch. 1715 MHz	132322 Ch. 1745 MHz	132622 Ch. 1775 MHz		
10 MHz	QPSK	1	0	23.70	24.02	24.38	0	0
		1	24	23.91	24.13	24.37	0	0
		1	49	23.89	24.12	24.37	0	0
		25	0	22.81	23.11	23.26	0-1	1
		25	12	22.90	23.16	23.36	0-1	1
		25	24	22.86	23.21	23.37	0-1	1
		50	0	22.87	23.12	23.34	0-1	1
	16QAM	1	0	22.94	23.10	23.35	0-1	1
		1	24	23.03	23.32	23.47	0-1	1
		1	49	23.07	23.22	23.59	0-1	1
		25	0	21.82	22.12	22.33	0-2	2
		25	12	21.87	22.10	22.32	0-2	2
		25	24	21.98	22.15	22.41	0-2	2
		50	0	21.92	22.07	22.32	0-2	2
	64QAM	1	0	21.96	22.21	22.54	0-2	2
		1	24	21.98	22.32	22.51	0-2	2
		1	49	21.95	22.23	22.35	0-2	2
		25	0	20.75	21.08	21.32	0-3	3
		25	12	20.85	21.13	21.42	0-3	3
		25	24	20.89	21.20	21.33	0-3	3
		50	0	20.83	21.07	21.42	0-3	3
	256QAM	1	0	18.70	19.06	19.25	0-5	5
		1	24	18.91	19.15	19.51	0-5	5
		1	49	18.96	19.17	19.44	0-5	5
		25	0	18.74	18.98	19.31	0-5	5
		25	12	18.88	19.03	19.32	0-5	5
		25	24	18.87	19.19	19.42	0-5	5
		50	0	18.81	19.05	19.41	0-5	5

LTE Band 66 _ 15 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132047 Ch. 1717.5 MHz	132322 Ch. 1745 MHz	132597 Ch. 1772.5 MHz		
15 MHz	QPSK	1	0	23.39	23.70	24.09	0	0
		1	36	23.56	24.10	24.21	0	0
		1	74	24.08	24.17	24.18	0	0
		36	0	22.73	22.97	23.23	0-1	1
		36	18	22.73	23.01	23.30	0-1	1
		36	39	22.85	23.01	23.29	0-1	1
		75	0	22.78	23.00	23.26	0-1	1
	16QAM	1	0	22.95	23.11	23.17	0-1	1
		1	36	22.82	23.47	23.28	0-1	1
		1	74	23.34	23.25	23.19	0-1	1
		36	0	21.72	21.97	22.20	0-2	2
		36	18	21.82	21.99	22.28	0-2	2
		36	39	21.85	22.09	22.39	0-2	2
		75	0	21.74	21.99	22.29	0-2	2
	64QAM	1	0	21.66	22.03	22.08	0-2	2
		1	36	21.92	22.26	22.26	0-2	2
		1	74	22.15	22.26	22.30	0-2	2
		36	0	20.59	20.96	21.18	0-3	3
		36	18	20.73	20.99	21.28	0-3	3
		36	39	20.84	21.04	21.36	0-3	3
		75	0	20.78	21.00	21.32	0-3	3
	256QAM	1	0	18.49	18.75	19.29	0-5	5
		1	36	18.83	19.00	19.08	0-5	5
		1	74	18.98	19.08	19.52	0-5	5
		36	0	18.68	18.89	19.17	0-5	5
		36	18	18.80	19.06	19.19	0-5	5
		36	39	18.82	19.01	19.30	0-5	5
		75	0	18.74	19.02	19.21	0-5	5

LTE Band 66 _ 20 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132072 Ch. 1720 MHz	132322 Ch. 1745 MHz	132572 Ch. 1770 MHz		
20 MHz	QPSK	1	0	23.35	23.72	23.89	0	0
		1	49	23.52	24.10	24.17	0	0
		1	99	24.39	24.04	24.40	0	0
		50	0	22.73	23.00	23.15	0-1	1
		50	25	22.88	22.98	23.23	0-1	1
		50	49	22.91	23.05	23.41	0-1	1
		100	0	22.79	22.96	23.23	0-1	1
	16QAM	1	0	23.08	23.16	23.48	0-1	1
		1	49	22.90	23.21	24.09	0-1	1
		1	99	23.16	23.16	23.41	0-1	1
		50	0	21.68	21.98	22.15	0-2	2
		50	25	21.92	22.01	22.24	0-2	2
		50	49	21.85	22.10	22.40	0-2	2
		100	0	21.77	22.07	22.23	0-2	2
	64QAM	1	0	21.73	22.05	22.05	0-2	2
		1	49	21.94	22.26	22.57	0-2	2
		1	99	22.15	22.27	22.46	0-2	2
		50	0	20.65	21.02	21.14	0-3	3
		50	25	20.84	21.08	21.27	0-3	3
		50	49	20.87	21.03	21.30	0-3	3
		100	0	20.83	20.99	21.20	0-3	3
	256QAM	1	0	18.72	18.85	19.07	0-5	5
		1	49	18.86	19.02	19.22	0-5	5
		1	99	18.96	19.35	19.38	0-5	5
		50	0	18.69	18.93	19.16	0-5	5
		50	25	18.78	19.02	19.25	0-5	5
		50	49	18.88	19.02	19.28	0-5	5
		100	0	18.77	19.02	19.26	0-5	5

[LTE Band 71 Conducted Power _ Main 1 Ant. (DSI 0)]

LTE Band 71 _ 5 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				133147 Ch. 665.5 MHz	133297Ch. 680.5 MHz	133447 Ch. 695.5 MHz		
5 MHz	QPSK	1	0	23.99	24.13	24.30	0	0
		1	12	23.95	24.27	24.40	0	0
		1	24	24.04	24.13	24.37	0	0
		12	0	22.92	23.10	23.27	0-1	1
		12	6	23.04	23.09	23.29	0-1	1
		12	11	23.01	23.14	23.34	0-1	1
		25	0	23.02	23.08	23.26	0-1	1
	16QAM	1	0	23.16	23.27	23.53	0-1	1
		1	12	23.19	23.47	23.71	0-1	1
		1	24	23.19	23.30	23.60	0-1	1
		12	0	21.95	22.10	22.32	0-2	2
		12	6	22.09	22.17	22.39	0-2	2
		12	11	22.02	22.21	22.40	0-2	2
		25	0	22.02	22.08	22.39	0-2	2
	64QAM	1	0	22.18	22.34	22.36	0-2	2
		1	12	22.18	22.32	22.52	0-2	2
		1	24	22.12	22.15	22.37	0-2	2
		12	0	20.97	21.12	21.22	0-3	3
		12	6	21.05	21.16	21.24	0-3	3
		12	11	21.03	21.14	21.34	0-3	3
		25	0	21.03	21.06	21.31	0-3	3
	256QAM	1	0	18.85	19.17	19.26	0-5	5
		1	12	19.13	19.19	19.43	0-5	5
		1	24	19.02	19.12	19.36	0-5	5
		12	0	18.97	19.03	19.25	0-5	5
		12	6	19.01	19.15	19.26	0-5	5
		12	11	18.98	19.21	19.35	0-5	5
		25	0	19.06	19.11	19.31	0-5	5

LTE Band 71 _ 10 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				133172 Ch. 668 MHz	133297 Ch. 680.5 MHz	133422 Ch. 693 MHz		
10 MHz	QPSK	1	0	24.01	24.14	24.26	0	0
		1	24	24.00	24.22	24.35	0	0
		1	49	23.92	24.12	24.34	0	0
		25	0	23.09	23.13	23.24	0-1	1
		25	12	23.00	23.10	23.35	0-1	1
		25	24	23.06	23.14	23.30	0-1	1
	16QAM	50	0	23.01	23.09	23.27	0-1	1
		1	0	23.10	23.28	23.51	0-1	1
		1	24	23.19	23.56	23.45	0-1	1
		1	49	23.30	23.34	23.63	0-1	1
		25	0	22.00	22.14	22.27	0-2	2
		25	12	22.04	22.08	22.34	0-2	2
	64QAM	25	24	22.11	22.23	22.39	0-2	2
		50	0	22.02	22.10	22.34	0-2	2
		1	0	22.01	22.04	22.48	0-2	2
		1	24	22.21	22.24	22.35	0-2	2
		1	49	22.15	22.23	22.49	0-2	2
		25	0	21.02	21.11	21.27	0-3	3
	256QAM	25	12	21.05	21.12	21.38	0-3	3
		25	24	20.98	21.24	21.31	0-3	3
		50	0	21.03	21.10	21.14	0-3	3
		1	0	18.89	19.19	19.29	0-5	5
		1	24	19.09	19.21	19.38	0-5	5
		1	49	19.06	19.06	19.45	0-5	5
		25	0	18.97	19.11	19.21	0-5	5
		25	12	18.98	19.10	19.27	0-5	5
		25	24	18.98	19.05	19.33	0-5	5
		50	0	19.06	19.10	19.29	0-5	5

LTE Band 71 _ 15 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]		MPR Allowed Per 3GPP [dB]	MPR [dB]	
					133297 Ch. 680.5 MHz			
15 MHz	QPSK	1	0		23.95		0	0
		1	36		24.07		0	0
		1	74		23.92		0	0
		36	0		23.02		0-1	1
		36	18		23.05		0-1	1
		36	39		23.05		0-1	1
		75	0		23.04		0-1	1
	16QAM	1	0		23.02		0-1	1
		1	36		23.27		0-1	1
		1	74		23.29		0-1	1
		36	0		21.99		0-2	2
		36	18		22.07		0-2	2
		36	39		22.17		0-2	2
		75	0		22.01		0-2	2
	64QAM	1	0		21.99		0-2	2
		1	36		22.18		0-2	2
		1	74		22.18		0-2	2
		36	0		21.02		0-3	3
		36	18		21.05		0-3	3
		36	39		21.09		0-3	3
		75	0		21.05		0-3	3
	256QAM	1	0		19.05		0-5	5
		1	36		19.21		0-5	5
		1	74		19.13		0-5	5
		36	0		19.01		0-5	5
		36	18		19.07		0-5	5
		36	39		19.11		0-5	5
		75	0		19.02		0-5	5

LTE Band 71 _ 20 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]		MPR Allowed Per 3GPP [dB]	MPR [dB]	
					133297 Ch. 680.5 MHz			
20 MHz	QPSK	1	0		23.81		0	0
		1	49		24.13		0	0
		1	99		24.21		0	0
		50	0		23.04		0-1	1
		50	25		23.05		0-1	1
		50	49		23.15		0-1	1
		100	0		23.12		0-1	1
	16QAM	1	0		23.08		0-1	1
		1	49		23.29		0-1	1
		1	99		23.20		0-1	1
		50	0		22.09		0-2	2
		50	25		22.10		0-2	2
		50	49		22.16		0-2	2
		100	0		22.08		0-2	2
	64QAM	1	0		22.04		0-2	2
		1	49		22.19		0-2	2
		1	99		22.24		0-2	2
		50	0		21.04		0-3	3
		50	25		21.02		0-3	3
		50	49		21.14		0-3	3
		100	0		21.04		0-3	3
	256QAM	1	0		19.14		0-5	5
		1	49		19.31		0-5	5
		1	99		19.22		0-5	5
		50	0		19.05		0-5	5
		50	25		19.07		0-5	5
		50	49		19.16		0-5	5
		100	0		19.02		0-5	5

The EUT enables maximum power reduction in accordance with 3GPP 36.101. The MPR settings are configured during the manufacture process and are not configurable by the network, carrier, or end user.

11.2.2 LTE Reduced Conducted Power (Grip activated)

LTE Band 2 Conducted Power _ Grip activated _ Main 1 Ant. (DSI 1)]

LTE Band 2 _ 1.4 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18607 Ch. 1850.7 MHz	18900 Ch. 1880 MHz	19193 Ch. 1909.3 MHz		
1.4 MHz	QPSK	1	0	14.31	14.51	15.08	0	0
		1	3	14.26	14.60	15.30	0	0
		1	5	14.26	14.55	15.09	0	0
		3	0	14.20	14.59	15.09	0	0
		3	1	14.26	14.57	15.08	0	0
		3	3	14.26	14.61	15.06	0	0
		6	0	14.33	14.55	15.02	0-1	0
	16QAM	1	0	14.48	14.80	15.26	0-1	0
		1	3	14.61	14.80	15.28	0-1	0
		1	5	14.52	14.70	15.30	0-1	0
		3	0	14.32	14.73	15.24	0-1	0
		3	1	14.45	14.58	15.22	0-1	0
		3	3	14.40	14.69	15.12	0-1	0
		6	0	14.32	14.64	15.12	0-2	0
	64QAM	1	0	14.46	14.72	15.23	0-2	0
		1	3	14.42	14.82	15.19	0-2	0
		1	5	14.29	14.69	15.11	0-2	0
		3	0	14.33	14.69	15.11	0-2	0
		3	1	14.28	14.68	15.15	0-2	0
		3	3	14.46	14.69	15.14	0-2	0
		6	0	14.29	14.71	15.10	0-3	0
	256QAM	1	0	14.32	14.56	15.10	0-5	0
		1	3	14.37	14.74	15.17	0-5	0
		1	5	14.42	14.61	15.16	0-5	0
		3	0	14.38	14.61	15.08	0-5	0
		3	1	14.35	14.64	15.06	0-5	0
		3	3	14.41	14.57	15.12	0-5	0
		6	0	14.31	14.63	15.07	0-5	0

LTE Band 2_ 3 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18615 Ch. 1851.5 MHz	18900 Ch. 1880 MHz	19185 Ch. 1908.5 MHz		
3 MHz	QPSK	1	0	14.19	14.66	14.92	0	0
		1	7	14.49	14.64	15.13	0	0
		1	14	14.32	14.50	14.98	0	0
		8	0	14.29	14.57	14.98	0-1	0
		8	3	14.30	14.57	14.99	0-1	0
		8	7	14.30	14.63	15.02	0-1	0
		15	0	14.20	14.63	15.00	0-1	0
	16QAM	1	0	14.35	14.91	15.16	0-1	0
		1	7	14.49	14.82	15.30	0-1	0
		1	14	14.43	14.89	15.24	0-1	0
		8	0	14.32	14.60	15.05	0-2	0
		8	3	14.36	14.62	15.05	0-2	0
		8	7	14.29	14.69	15.12	0-2	0
		15	0	14.27	14.67	15.01	0-2	0
	64QAM	1	0	14.40	14.68	15.10	0-2	0
		1	7	14.40	14.94	15.17	0-2	0
		1	14	14.42	14.82	15.14	0-2	0
		8	0	14.33	14.60	14.99	0-3	0
		8	3	14.35	14.65	15.05	0-3	0
		8	7	14.33	14.62	15.15	0-3	0
		15	0	14.28	14.64	15.00	0-3	0
	256QAM	1	0	14.14	14.64	15.01	0-5	0
		1	7	14.35	14.74	15.22	0-5	0
		1	14	14.52	14.73	15.11	0-5	0
		8	0	14.27	14.57	14.93	0-5	0
		8	3	14.33	14.60	14.98	0-5	0
		8	7	14.23	14.64	15.04	0-5	0
		15	0	14.31	14.68	15.03	0-5	0

LTE Band 2 _ 5 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18625 Ch. 1852.5 MHz	18900 Ch. 1880 MHz	19175 Ch. 1907.5 MHz		
5 MHz	QPSK	1	0	14.27	14.55	15.01	0	0
		1	12	14.35	14.78	15.07	0	0
		1	24	14.25	14.62	15.02	0	0
		12	0	14.28	14.55	14.94	0-1	0
		12	6	14.29	14.55	15.02	0-1	0
		12	11	14.29	14.64	15.04	0-1	0
		25	0	14.27	14.58	14.97	0-1	0
	16QAM	1	0	14.47	14.83	15.17	0-1	0
		1	12	14.51	14.81	15.45	0-1	0
		1	24	14.36	14.84	15.17	0-1	0
		12	0	14.31	14.59	15.03	0-2	0
		12	6	14.38	14.64	15.02	0-2	0
		12	11	14.37	14.65	15.17	0-2	0
		25	0	14.28	14.61	14.97	0-2	0
	64QAM	1	0	14.44	14.83	15.16	0-2	0
		1	12	14.43	14.91	15.16	0-2	0
		1	24	14.51	14.73	15.15	0-2	0
		12	0	14.30	14.56	15.05	0-3	0
		12	6	14.34	14.64	15.05	0-3	0
		12	11	14.27	14.67	15.04	0-3	0
		25	0	14.31	14.53	14.98	0-3	0
	256QAM	1	0	14.20	14.57	15.02	0-5	0
		1	12	14.54	14.78	15.23	0-5	0
		1	24	14.37	14.62	15.18	0-5	0
		12	0	14.29	14.58	14.96	0-5	0
		12	6	14.28	14.61	15.04	0-5	0
		12	11	14.28	14.69	15.06	0-5	0
		25	0	14.34	14.57	14.99	0-5	0

LTE Band 2 _ 10 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18650 Ch. 1855 MHz	18900 Ch. 1880 MHz	19150 Ch. 1905 MHz		
10 MHz	QPSK	1	0	14.21	14.45	14.95	0	0
		1	24	14.37	14.63	15.18	0	0
		1	49	14.26	14.52	15.00	0	0
		25	0	14.27	14.58	15.00	0-1	0
		25	12	14.29	14.56	14.99	0-1	0
		25	24	14.28	14.69	15.05	0-1	0
		50	0	14.32	14.58	14.90	0-1	0
	16QAM	1	0	14.41	14.67	15.42	0-1	0
		1	24	14.45	14.85	15.21	0-1	0
		1	49	14.59	14.90	15.26	0-1	0
		25	0	14.34	14.63	15.03	0-2	0
		25	12	14.36	14.64	15.02	0-2	0
		25	24	14.33	14.70	15.10	0-2	0
		50	0	14.33	14.60	14.99	0-2	0
	64QAM	1	0	14.43	14.81	15.12	0-2	0
		1	24	14.56	14.83	15.21	0-2	0
		1	49	14.50	14.87	15.25	0-2	0
		25	0	14.32	14.58	15.06	0-3	0
		25	12	14.31	14.63	14.97	0-3	0
		25	24	14.40	14.74	15.07	0-3	0
		50	0	14.31	14.58	14.98	0-3	0
	256QAM	1	0	14.42	14.67	15.06	0-5	0
		1	24	14.40	14.73	14.94	0-5	0
		1	49	14.43	14.73	15.00	0-5	0
		25	0	14.31	14.58	14.92	0-5	0
		25	12	14.35	14.67	14.99	0-5	0
		25	24	14.31	14.72	15.08	0-5	0
		50	0	14.29	14.58	15.02	0-5	0

LTE Band 2 _ 15 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18675 Ch. 1857.5 MHz	18900 Ch. 1880 MHz	19125 Ch. 1902.5 MHz		
15 MHz	QPSK	1	0	14.08	14.39	14.60	0	0
		1	36	14.18	14.50	14.75	0	0
		1	74	14.43	14.52	15.07	0	0
		36	0	14.19	14.41	14.87	0-1	0
		36	18	14.19	14.45	14.89	0-1	0
		36	39	14.23	14.63	14.96	0-1	0
		75	0	14.21	14.43	14.92	0-1	0
	16QAM	1	0	14.26	14.48	14.86	0-1	0
		1	36	14.36	14.83	15.32	0-1	0
		1	74	14.55	14.76	15.04	0-1	0
		36	0	14.09	14.47	14.90	0-2	0
		36	18	14.28	14.54	14.88	0-2	0
		36	39	14.34	14.62	14.95	0-2	0
		75	0	14.24	14.49	14.91	0-2	0
	64QAM	1	0	14.18	14.49	14.97	0-2	0
		1	36	14.35	14.66	14.91	0-2	0
		1	74	14.55	14.81	15.00	0-2	0
		36	0	14.12	14.46	14.80	0-3	0
		36	18	14.23	14.50	14.89	0-3	0
		36	39	14.30	14.63	15.02	0-3	0
		75	0	14.20	14.47	14.90	0-3	0
	256QAM	1	0	13.89	14.50	15.00	0-5	0
		1	36	14.19	14.64	15.13	0-5	0
		1	74	14.39	14.78	15.18	0-5	0
		36	0	14.22	14.50	14.86	0-5	0
		36	18	14.27	14.45	14.86	0-5	0
		36	39	14.22	14.54	14.95	0-5	0
		75	0	14.30	14.57	14.96	0-5	0

LTE Band 2 _ 20 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18700 Ch. 1860 MHz	18900 Ch. 1880 MHz	19100 Ch. 1900 MHz		
20 MHz	QPSK	1	0	14.12	14.48	14.91	0	0
		1	49	14.13	14.87	14.79	0	0
		1	99	14.42	14.51	15.00	0	0
		50	0	14.20	14.52	14.87	0-1	0
		50	25	14.35	14.56	14.86	0-1	0
		50	49	14.37	14.62	14.97	0-1	0
		100	0	14.34	14.49	14.94	0-1	0
	16QAM	1	0	14.32	15.04	14.76	0-1	0
		1	49	14.59	14.55	14.96	0-1	0
		1	99	14.88	14.80	15.31	0-1	0
		50	0	14.16	14.43	14.79	0-2	0
		50	25	14.32	14.56	14.97	0-2	0
		50	49	14.35	14.65	14.88	0-2	0
		100	0	14.25	14.55	14.91	0-2	0
	64QAM	1	0	14.31	14.46	14.87	0-2	0
		1	49	14.27	14.69	15.10	0-2	0
		1	99	14.50	14.79	15.08	0-2	0
		50	0	14.22	14.57	14.80	0-3	0
		50	25	14.30	14.55	14.93	0-3	0
		50	49	14.39	14.69	14.99	0-3	0
		100	0	14.20	14.49	14.87	0-3	0
	256QAM	1	0	14.26	14.50	14.76	0-5	0
		1	49	14.34	14.45	14.98	0-5	0
		1	99	14.50	14.90	15.22	0-5	0
		50	0	14.16	14.46	14.83	0-5	0
		50	25	14.33	14.61	14.93	0-5	0
		50	49	14.35	14.71	15.04	0-5	0
		100	0	14.30	14.53	14.94	0-5	0

[LTE Band 4 Conducted Power _ Main 1 Ant. (DSI 1)]

LTE Band 4 _ 1.4 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				19957 Ch. 1710.7 MHz	20175 Ch. 1732.5 MHz	20393 Ch. 1754.3 MHz		
1.4 MHz	QPSK	1	0	13.34	13.77	14.11	0	0
		1	3	13.48	13.75	14.05	0	0
		1	5	13.48	13.70	14.01	0	0
		3	0	13.50	13.77	14.01	0	0
		3	1	13.40	13.83	14.02	0	0
		3	3	13.45	13.81	14.17	0	0
		6	0	13.40	13.79	14.07	0-1	0
	16QAM	1	0	13.75	13.99	14.47	0-1	0
		1	3	13.67	14.06	14.26	0-1	0
		1	5	13.58	14.12	14.16	0-1	0
		3	0	13.58	13.86	14.12	0-1	0
		3	1	13.53	13.90	14.12	0-1	0
		3	3	13.48	13.92	14.25	0-1	0
		6	0	13.44	13.76	14.14	0-2	0
	64QAM	1	0	13.49	13.82	14.21	0-2	0
		1	3	13.55	13.93	14.34	0-2	0
		1	5	13.42	14.05	14.17	0-2	0
		3	0	13.47	13.85	14.08	0-2	0
		3	1	13.45	13.86	14.21	0-2	0
		3	3	13.44	13.93	14.27	0-2	0
		6	0	13.43	13.81	14.05	0-3	0
	256QAM	1	0	13.52	13.75	14.19	0-5	0
		1	3	13.49	13.95	14.11	0-5	0
		1	5	13.50	13.91	14.12	0-5	0
		3	0	13.45	13.82	14.16	0-5	0
		3	1	13.42	13.89	14.10	0-5	0
		3	3	13.37	13.91	14.04	0-5	0
		6	0	13.40	13.82	14.09	0-5	0

LTE Band 4 _ 3 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				19965 Ch. 1711.5 MHz	20175 Ch. 1732.5 MHz	20385 Ch. 1753.5 MHz		
3 MHz	QPSK	1	0	13.38	13.77	14.02	0	0
		1	7	13.46	13.84	14.05	0	0
		1	14	13.44	13.73	13.97	0	0
		8	0	13.51	13.78	14.03	0-1	0
		8	3	13.47	13.82	14.05	0-1	0
		8	7	13.46	13.86	14.02	0-1	0
		15	0	13.45	13.74	14.07	0-1	0
	16QAM	1	0	13.48	14.09	14.07	0-1	0
		1	7	13.80	14.09	14.20	0-1	0
		1	14	13.64	14.01	14.13	0-1	0
		8	0	13.43	13.81	14.07	0-2	0
		8	3	13.52	13.85	14.15	0-2	0
		8	7	13.48	13.93	14.14	0-2	0
		15	0	13.42	13.82	14.11	0-2	0
	64QAM	1	0	13.48	13.93	14.13	0-2	0
		1	7	13.53	14.01	14.23	0-2	0
		1	14	13.49	14.01	14.12	0-2	0
		8	0	13.49	13.83	14.08	0-3	0
		8	3	13.45	13.87	14.06	0-3	0
		8	7	13.46	13.90	14.07	0-3	0
		15	0	13.44	13.81	14.08	0-3	0
	256QAM	1	0	13.28	13.86	14.08	0-5	0
		1	7	13.55	13.92	14.03	0-5	0
		1	14	13.49	13.89	14.07	0-5	0
		8	0	13.53	13.83	14.02	0-5	0
		8	3	13.47	13.82	14.15	0-5	0
		8	7	13.45	13.95	14.07	0-5	0
		15	0	13.44	13.83	14.06	0-5	0

LTE Band 4 _ 5 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				19975 Ch. 1712.5 MHz	20175 Ch. 1732.5 MHz	20375 Ch. 1752.5 MHz		
5 MHz	QPSK	1	0	13.46	13.91	14.05	0	0
		1	12	13.55	13.95	14.12	0	0
		1	24	13.50	13.83	14.08	0	0
		12	0	13.46	13.80	14.00	0-1	0
		12	6	13.53	13.87	14.11	0-1	0
		12	11	13.52	13.92	14.11	0-1	0
		25	0	13.56	13.82	14.07	0-1	0
	16QAM	1	0	13.59	13.98	14.09	0-1	0
		1	12	13.69	14.23	14.29	0-1	0
		1	24	13.65	13.98	14.23	0-1	0
		12	0	13.37	13.79	14.01	0-2	0
		12	6	13.55	13.89	14.13	0-2	0
		12	11	13.52	13.84	14.09	0-2	0
		25	0	13.49	13.78	14.07	0-2	0
	64QAM	1	0	13.55	14.03	14.14	0-2	0
		1	12	13.50	14.02	14.18	0-2	0
		1	24	13.53	14.15	14.31	0-2	0
		12	0	13.44	13.83	14.08	0-3	0
		12	6	13.49	13.84	14.16	0-3	0
		12	11	13.50	13.95	14.17	0-3	0
		25	0	13.45	13.85	14.09	0-3	0
	256QAM	1	0	13.46	13.89	14.07	0-5	0
		1	12	13.59	14.11	14.20	0-5	0
		1	24	13.58	13.89	14.07	0-5	0
		12	0	13.32	13.82	14.01	0-5	0
		12	6	13.44	13.82	14.10	0-5	0
		12	11	13.52	13.93	14.11	0-5	0
		25	0	13.47	13.77	14.05	0-5	0

LTE Band 4 _ 10 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20000 Ch. 1715 MHz	20175 Ch. 1732.5 MHz	20350 Ch. 1750 MHz		
10 MHz	QPSK	1	0	13.47	13.81	14.04	0	0
		1	24	13.51	13.89	14.11	0	0
		1	49	13.59	13.99	14.06	0	0
		25	0	13.50	13.78	13.97	0-1	0
		25	12	13.66	13.81	14.04	0-1	0
		25	24	13.64	13.96	14.12	0-1	0
		50	0	13.55	13.79	14.05	0-1	0
	16QAM	1	0	13.60	13.89	14.47	0-1	0
		1	24	13.85	13.95	14.26	0-1	0
		1	49	13.82	14.11	14.31	0-1	0
		25	0	13.40	13.81	14.06	0-2	0
		25	12	13.54	13.88	14.02	0-2	0
		25	24	13.55	13.91	14.16	0-2	0
		50	0	13.53	13.73	13.98	0-2	0
	64QAM	1	0	13.64	13.93	14.20	0-2	0
		1	24	13.53	13.95	14.24	0-2	0
		1	49	13.59	14.00	14.26	0-2	0
		25	0	13.35	13.79	13.95	0-3	0
		25	12	13.48	13.86	14.04	0-3	0
		25	24	13.54	13.94	14.13	0-3	0
		50	0	13.50	13.82	14.04	0-3	0
	256QAM	1	0	13.35	13.78	14.00	0-5	0
		1	24	13.58	14.07	14.27	0-5	0
		1	49	13.46	13.93	14.26	0-5	0
		25	0	13.43	13.83	14.01	0-5	0
		25	12	13.57	13.90	14.05	0-5	0
		25	24	13.58	13.92	14.05	0-5	0
		50	0	13.51	13.86	14.03	0-5	0

LTE Band 4 _ 15 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20025 Ch. 1717.5 MHz	20175 Ch. 1732.5 MHz	20325 Ch. 1747.5 MHz		
15 MHz	QPSK	1	0	13.27	13.44	13.71	0	0
		1	36	13.39	13.76	13.80	0	0
		1	74	13.70	13.75	13.76	0	0
		36	0	13.40	13.65	13.82	0-1	0
		36	18	13.54	13.69	13.88	0-1	0
		36	39	13.57	13.81	13.94	0-1	0
		75	0	13.60	13.75	13.90	0-1	0
	16QAM	1	0	13.47	13.74	13.87	0-1	0
		1	36	13.56	13.84	13.94	0-1	0
		1	74	13.88	14.11	14.17	0-1	0
		36	0	13.39	13.67	13.84	0-2	0
		36	18	13.48	13.72	13.93	0-2	0
		36	39	13.48	13.88	13.93	0-2	0
		75	0	13.47	13.70	13.88	0-2	0
	64QAM	1	0	13.45	13.64	14.04	0-2	0
		1	36	13.48	13.96	14.10	0-2	0
		1	74	13.81	13.98	14.12	0-2	0
		36	0	13.32	13.64	13.80	0-3	0
		36	18	13.42	13.74	13.90	0-3	0
		36	39	13.57	13.79	13.84	0-3	0
		75	0	13.41	13.64	13.93	0-3	0
	256QAM	1	0	13.31	13.61	13.79	0-5	0
		1	36	13.56	13.83	14.01	0-5	0
		1	74	13.67	13.79	14.16	0-5	0
		36	0	13.35	13.66	13.80	0-5	0
		36	18	13.48	13.67	13.90	0-5	0
		36	39	13.51	13.85	13.90	0-5	0
		75	0	13.54	13.67	13.92	0-5	0

LTE Band 4 _ 20 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20025 Ch. 1717.5 MHz	20175 Ch. 1732.5 MHz	20325 Ch. 1747.5 MHz		
20 MHz	QPSK	1	0	13.41	13.86	14.00	0	0
		1	49	13.45	13.79	13.96	0	0
		1	99	13.97	13.90	14.12	0	0
		50	0	13.47	13.66	13.78	0-1	0
		50	25	13.50	13.79	13.80	0-1	0
		50	49	13.73	13.89	13.91	0-1	0
		100	0	13.67	13.83	13.86	0-1	0
	16QAM	1	0	13.41	13.87	14.03	0-1	0
		1	49	13.80	13.98	14.13	0-1	0
		1	99	13.95	13.93	14.07	0-1	0
		50	0	13.39	13.66	13.75	0-2	0
		50	25	13.64	13.79	13.78	0-2	0
		50	49	13.61	13.89	13.93	0-2	0
		100	0	13.57	13.72	13.78	0-2	0
	64QAM	1	0	13.44	13.80	13.85	0-2	0
		1	49	13.62	13.89	13.95	0-2	0
		1	99	13.84	14.05	14.09	0-2	0
		50	0	13.33	13.70	13.79	0-3	0
		50	25	13.47	13.77	13.82	0-3	0
		50	49	13.65	13.85	13.89	0-3	0
		100	0	13.50	13.68	13.76	0-3	0
	256QAM	1	0	13.36	13.54	13.75	0-5	0
		1	49	13.63	13.93	13.99	0-5	0
		1	99	13.80	13.95	14.11	0-5	0
		50	0	13.38	13.69	13.74	0-5	0
		50	25	13.56	13.75	13.82	0-5	0
		50	49	13.67	13.86	13.97	0-5	0
		100	0	13.49	13.74	13.88	0-5	0

[LTE Band 5 Conducted Power _ Main 1 Ant. (DSI 1)]

LTE Band 5 _ 1.4 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20407 Ch. 824.7 MHz	20525 Ch. 836.5 MHz	20643 Ch. 848.3 MHz		
1.4 MHz	QPSK	1	0	14.72	14.34	14.74	0	0
		1	3	14.84	14.51	14.81	0	0
		1	5	14.79	14.44	14.78	0	0
		3	0	14.87	14.43	14.88	0	0
		3	1	14.78	14.42	14.87	0	0
		3	3	14.78	14.45	14.85	0	0
		6	0	14.82	14.44	14.70	0-1	0
	16QAM	1	0	15.18	14.66	15.02	0-1	0
		1	3	15.10	14.92	15.01	0-1	0
		1	5	15.19	14.71	15.03	0-1	0
		3	0	14.98	14.60	14.86	0-1	0
		3	1	14.94	14.68	14.95	0-1	0
		3	3	14.90	14.53	14.91	0-1	0
		6	0	14.90	14.61	14.77	0-2	0
	64QAM	1	0	14.93	14.33	14.75	0-2	0
		1	3	14.90	14.67	14.84	0-2	0
		1	5	14.88	14.51	14.99	0-2	0
		3	0	14.86	14.53	14.78	0-2	0
		3	1	14.86	14.50	14.87	0-2	0
		3	3	14.90	14.52	14.79	0-2	0
		6	0	14.85	14.41	14.76	0-3	0
	256QAM	1	0	14.89	14.43	14.83	0-5	0
		1	3	14.95	14.48	14.89	0-5	0
		1	5	14.78	14.54	14.74	0-5	0
		3	0	14.82	14.40	14.80	0-5	0
		3	1	14.87	14.54	14.88	0-5	0
		3	3	14.83	14.52	14.84	0-5	0
		6	0	14.82	14.40	14.66	0-5	0

LTE Band 5 _ 3 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20415 Ch. 825.5 MHz	20525 Ch. 836.5 MHz	20635 Ch. 847.5 MHz		
3 MHz	QPSK	1	0	14.74	14.35	14.59	0	0
		1	7	14.81	14.51	14.88	0	0
		1	14	14.64	14.44	14.80	0	0
		8	0	14.85	14.47	14.79	0-1	0
		8	3	14.86	14.50	14.82	0-1	0
		8	7	14.73	14.51	14.87	0-1	0
		15	0	14.72	14.55	14.76	0-1	0
	16QAM	1	0	14.97	14.70	15.01	0-1	0
		1	7	15.03	14.80	15.07	0-1	0
		1	14	14.93	14.72	15.01	0-1	0
		8	0	14.82	14.61	14.80	0-2	0
		8	3	14.94	14.61	14.95	0-2	0
		8	7	14.80	14.56	14.85	0-2	0
		15	0	14.76	14.62	14.76	0-2	0
	64QAM	1	0	14.89	14.57	14.96	0-2	0
		1	7	14.97	14.57	14.85	0-2	0
		1	14	14.81	14.56	14.86	0-2	0
		8	0	14.86	14.52	14.73	0-3	0
		8	3	14.76	14.52	14.78	0-3	0
		8	7	14.69	14.50	14.83	0-3	0
		15	0	14.74	14.46	14.81	0-3	0
	256QAM	1	0	14.96	14.47	14.78	0-5	0
		1	7	14.92	14.55	15.03	0-5	0
		1	14	14.72	14.55	14.87	0-5	0
		8	0	14.79	14.52	14.73	0-5	0
		8	3	14.82	14.57	14.76	0-5	0
		8	7	14.69	14.60	14.86	0-5	0
		15	0	14.79	14.43	14.77	0-5	0

LTE Band 5 _ 5 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20425 Ch. 826.5 MHz	20525 Ch. 836.5 MHz	20625 Ch. 846.5 MHz		
5 MHz	QPSK	1	0	14.86	14.51	14.88	0	0
		1	12	14.91	14.58	14.76	0	0
		1	24	14.90	14.44	14.86	0	0
		12	0	14.84	14.55	14.74	0-1	0
		12	6	14.81	14.54	14.81	0-1	0
		12	11	14.74	14.58	14.84	0-1	0
		25	0	14.75	14.52	14.80	0-1	0
	16QAM	1	0	15.26	14.74	14.95	0-1	0
		1	12	15.25	14.72	15.07	0-1	0
		1	24	14.86	14.71	15.06	0-1	0
		12	0	14.86	14.57	14.76	0-2	0
		12	6	14.87	14.68	14.83	0-2	0
		12	11	14.77	14.53	14.93	0-2	0
		25	0	14.70	14.61	14.77	0-2	0
	64QAM	1	0	14.97	14.63	14.94	0-2	0
		1	12	14.84	14.68	14.94	0-2	0
		1	24	14.73	14.62	14.91	0-2	0
		12	0	14.78	14.44	14.73	0-3	0
		12	6	14.79	14.51	14.81	0-3	0
		12	11	14.70	14.52	14.78	0-3	0
		25	0	14.73	14.49	14.72	0-3	0
	256QAM	1	0	14.88	14.50	14.75	0-5	0
		1	12	14.85	14.56	14.88	0-5	0
		1	24	14.77	14.69	14.79	0-5	0
		12	0	14.82	14.50	14.78	0-5	0
		12	6	14.86	14.50	14.74	0-5	0
		12	11	14.70	14.49	14.81	0-5	0
		25	0	14.67	14.46	14.70	0-5	0

LTE Band 5 _ 10 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				20525 Ch. 836.5 MHz		
10 MHz	QPSK	1	0	14.74	0	0
		1	24	14.47	0	0
		1	49	14.66	0	0
		25	0	14.59	0-1	0
		25	12	14.59	0-1	0
		25	24	14.65	0-1	0
		50	0	14.60	0-1	0
	16QAM	1	0	14.85	0-1	0
		1	24	14.74	0-1	0
		1	49	14.97	0-1	0
		25	0	14.66	0-2	0
		25	12	14.60	0-2	0
		25	24	14.67	0-2	0
		50	0	14.62	0-2	0
	64QAM	1	0	14.76	0-2	0
		1	24	14.63	0-2	0
		1	49	14.70	0-2	0
		25	0	14.62	0-3	0
		25	12	14.55	0-3	0
		25	24	14.61	0-3	0
		50	0	14.56	0-3	0
	256QAM	1	0	14.62	0-5	0
		1	24	14.60	0-5	0
		1	49	14.73	0-5	0
		25	0	14.56	0-5	0
		25	12	14.55	0-5	0
		25	24	14.59	0-5	0
		50	0	14.58	0-5	0

[LTE Band 7 Conducted Power _ Main 1 Ant. (DSI 1)]

LTE Band 7 _ 5 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20775 Ch. 2502.5 MHz	21100 Ch. 2535 MHz	21425 Ch. 2567.5 MHz		
5 MHz	QPSK	1	0	11.54	12.33	11.63	0	0
		1	12	11.65	12.23	11.68	0	0
		1	24	11.60	12.36	11.43	0	0
		12	0	11.53	12.44	11.58	0-1	0
		12	6	11.58	12.43	11.63	0-1	0
		12	11	11.59	12.34	11.47	0-1	0
		25	0	11.62	12.39	11.63	0-1	0
	16QAM	1	0	11.79	12.31	11.88	0-1	0
		1	12	11.89	12.45	11.86	0-1	0
		1	24	11.79	12.33	11.53	0-1	0
		12	0	11.53	12.40	11.62	0-2	0
		12	6	11.63	12.45	11.72	0-2	0
		12	11	11.65	12.45	11.53	0-2	0
		25	0	11.60	12.43	11.64	0-2	0
	64QAM	1	0	11.70	12.49	11.71	0-2	0
		1	12	11.70	12.46	11.83	0-2	0
		1	24	11.61	12.40	11.69	0-2	0
		12	0	11.44	12.40	11.65	0-3	0
		12	6	11.60	12.33	11.62	0-3	0
		12	11	11.68	12.39	11.50	0-3	0
		25	0	11.56	12.36	11.53	0-3	0
	256QAM	1	0	11.38	12.29	11.62	0-5	0
		1	12	11.66	12.33	11.65	0-5	0
		1	24	11.60	12.42	11.44	0-5	0
		12	0	11.48	12.39	11.53	0-5	0
		12	6	11.63	12.38	11.53	0-5	0
		12	11	11.52	12.30	11.41	0-5	0
		25	0	11.56	12.37	11.51	0-5	0

LTE Band 7 _ 10 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20800 Ch. 2505 MHz	21100 Ch. 2535 MHz	21400 Ch. 2565 MHz		
10 MHz	QPSK	1	0	11.51	12.39	11.65	0	0
		1	24	11.60	12.41	11.68	0	0
		1	49	11.72	12.31	11.45	0	0
		25	0	11.57	12.43	11.78	0-1	0
		25	12	11.74	12.46	11.71	0-1	0
		25	24	11.76	12.43	11.53	0-1	0
	16QAM	50	0	11.66	12.38	11.67	0-1	0
		1	0	11.73	12.45	11.87	0-1	0
		1	24	11.88	12.43	11.88	0-1	0
		1	49	11.83	12.39	11.65	0-1	0
		25	0	11.56	12.42	11.73	0-2	0
		25	12	11.69	12.43	11.69	0-2	0
	64QAM	25	24	11.72	12.40	11.61	0-2	0
		50	0	11.72	12.37	11.74	0-2	0
		1	0	11.65	12.47	11.93	0-2	0
		1	24	11.90	12.36	11.78	0-2	0
		1	49	11.95	12.45	11.64	0-2	0
		25	0	11.61	12.36	11.80	0-3	0
	256QAM	25	12	11.64	12.45	11.68	0-3	0
		25	24	11.78	12.40	11.54	0-3	0
		50	0	11.69	12.44	11.65	0-3	0
		1	0	11.42	12.36	11.71	0-5	0
		1	24	11.86	12.40	11.54	0-5	0
		1	49	11.78	12.42	11.52	0-5	0
		25	0	11.47	12.36	11.68	0-5	0
		25	12	11.65	12.40	11.68	0-5	0
	25	24	11.68	12.44	11.51	0-5	0	
			50	0	11.62	12.35	11.56	0-5

LTE Band 7 _ 15 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20825 Ch. 2507.5 MHz	21100 Ch. 2535 MHz	21375 Ch. 2562.5 MHz		
15 MHz	QPSK	1	0	11.40	12.22	11.86	0	0
		1	36	11.59	12.29	11.45	0	0
		1	74	11.76	12.15	11.30	0	0
		36	0	11.47	12.30	11.74	0-1	0
		36	18	11.67	12.31	11.65	0-1	0
		36	39	11.74	12.27	11.52	0-1	0
		75	0	11.62	12.35	11.65	0-1	0
	16QAM	1	0	11.53	12.15	11.83	0-1	0
		1	36	11.67	12.26	11.72	0-1	0
		1	74	11.86	12.47	11.70	0-1	0
		36	0	11.53	12.33	11.72	0-2	0
		36	18	11.65	12.39	11.63	0-2	0
		36	39	11.79	12.24	11.51	0-2	0
		75	0	11.65	12.35	11.65	0-2	0
	64QAM	1	0	11.57	12.30	11.77	0-2	0
		1	36	11.73	12.41	11.70	0-2	0
		1	74	11.91	12.28	11.44	0-2	0
		36	0	11.47	12.29	11.75	0-3	0
		36	18	11.68	12.31	11.64	0-3	0
		36	39	11.77	12.24	11.48	0-3	0
		75	0	11.61	12.30	11.62	0-3	0
	256QAM	1	0	11.37	12.31	11.77	0-5	0
		1	36	11.56	12.27	11.58	0-5	0
		1	74	12.01	12.20	11.58	0-5	0
		36	0	11.50	12.24	11.69	0-5	0
		36	18	11.50	12.27	11.54	0-5	0
		36	39	11.78	12.29	11.42	0-5	0
		75	0	11.62	12.29	11.59	0-5	0

LTE Band 7 _ 20 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20850 Ch. 2510 MHz	21100 Ch. 2535 MHz	21350 Ch. 2560 MHz		
20 MHz	QPSK	1	0	11.37	11.95	11.58	0	0
		1	49	11.62	12.33	11.87	0	0
		1	99	11.90	12.11	11.22	0	0
		50	0	11.59	12.33	11.88	0-1	0
		50	25	11.71	12.36	11.78	0-1	0
		50	49	11.87	12.22	11.56	0-1	0
		100	0	11.79	12.32	11.69	0-1	0
	16QAM	1	0	11.61	12.42	12.20	0-1	0
		1	49	12.08	12.50	11.84	0-1	0
		1	99	12.08	12.36	11.42	0-1	0
		50	0	11.61	12.32	11.92	0-2	0
		50	25	11.74	12.35	11.75	0-2	0
		50	49	11.90	12.31	11.52	0-2	0
		100	0	11.74	12.36	11.75	0-2	0
	64QAM	1	0	11.50	12.34	12.24	0-2	0
		1	49	12.56	12.39	11.84	0-2	0
		1	99	11.99	12.15	11.51	0-2	0
		50	0	11.58	12.28	11.90	0-3	0
		50	25	11.80	12.38	11.75	0-3	0
		50	49	11.88	12.31	11.59	0-3	0
		100	0	11.79	12.25	11.80	0-3	0
	256QAM	1	0	11.56	12.03	12.07	0-5	0
		1	49	11.78	12.44	11.74	0-5	0
		1	99	11.98	12.32	11.41	0-5	0
		50	0	11.46	12.20	11.84	0-5	0
		50	25	11.70	12.19	11.64	0-5	0
		50	49	11.86	12.24	11.50	0-5	0
		100	0	11.71	12.20	11.70	0-5	0

[LTE Band 12 Conducted Power _ Main 1 Ant. (DSI 1)]

LTE Band 12 _ 1.4 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23017 Ch. 699.7 MHz	23095 Ch. 707.5 MHz	23173 Ch. 715.3 MHz		
1.4 MHz	QPSK	1	0	16.07	16.31	16.11	0	0
		1	3	16.19	16.37	16.15	0	0
		1	5	16.07	16.46	16.18	0	0
		3	0	16.11	16.22	16.13	0	0
		3	1	16.24	16.30	16.18	0	0
		3	3	16.10	16.25	16.09	0	0
		6	0	16.20	16.27	16.13	0-1	0
	16QAM	1	0	16.36	16.49	16.41	0-1	0
		1	3	16.49	16.49	16.35	0-1	0
		1	5	16.34	16.38	16.38	0-1	0
		3	0	16.27	16.42	16.31	0-1	0
		3	1	16.33	16.33	16.29	0-1	0
		3	3	16.19	16.44	16.25	0-1	0
		6	0	16.27	16.35	16.17	0-2	0
	64QAM	1	0	16.32	16.42	16.27	0-2	0
		1	3	16.28	16.38	16.26	0-2	0
		1	5	16.32	16.44	16.16	0-2	0
		3	0	16.21	16.48	16.14	0-2	0
		3	1	16.18	16.36	16.23	0-2	0
		3	3	16.21	16.46	16.08	0-2	0
		6	0	16.13	16.31	16.10	0-3	0
	256QAM	1	0	16.22	16.31	16.21	0-5	0
		1	3	16.32	16.44	16.30	0-5	0
		1	5	16.17	16.42	16.19	0-5	0
		3	0	16.26	16.42	16.23	0-5	0
		3	1	16.33	16.38	16.15	0-5	0
		3	3	16.18	16.27	16.19	0-5	0
		6	0	16.21	16.35	16.26	0-5	0

LTE Band 12 _ 3 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23025 Ch. 700.5 MHz	23095 Ch. 707.5 MHz	23165 Ch. 714.5 MHz		
3 MHz	QPSK	1	0	16.02	16.19	16.20	0	0
		1	7	16.12	16.33	16.23	0	0
		1	14	16.10	16.13	16.02	0	0
		8	0	16.14	16.28	16.18	0-1	0
		8	3	16.16	16.27	16.20	0-1	0
		8	7	16.19	16.32	16.16	0-1	0
		15	0	16.18	16.24	16.22	0-1	0
	16QAM	1	0	16.46	16.48	16.48	0-1	0
		1	7	16.42	16.47	16.46	0-1	0
		1	14	16.38	16.38	16.29	0-1	0
		8	0	16.12	16.33	16.27	0-2	0
		8	3	16.27	16.41	16.29	0-2	0
		8	7	16.24	16.35	16.21	0-2	0
		15	0	16.21	16.30	16.16	0-2	0
	64QAM	1	0	16.28	16.29	16.36	0-2	0
		1	7	16.31	16.45	16.34	0-2	0
		1	14	16.24	16.44	16.26	0-2	0
		8	0	16.18	16.32	16.23	0-3	0
		8	3	16.32	16.31	16.24	0-3	0
		8	7	16.20	16.31	16.19	0-3	0
		15	0	16.17	16.28	16.14	0-3	0
	256QAM	1	0	16.18	16.41	16.20	0-5	0
		1	7	16.35	16.42	16.43	0-5	0
		1	14	16.31	16.28	16.10	0-5	0
		8	0	16.13	16.31	16.23	0-5	0
		8	3	16.22	16.30	16.26	0-5	0
		8	7	16.28	16.29	16.24	0-5	0
15		0	16.23	16.33	16.18	0-5	0	

LTE Band 12 _ 5 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23035 Ch. 701.5 MHz	23095 Ch. 707.5 MHz	23155 Ch. 713.5 MHz		
5 MHz	QPSK	1	0	16.24	16.23	16.11	0	0
		1	12	16.44	16.36	16.24	0	0
		1	24	16.16	16.27	16.18	0	0
		12	0	16.15	16.27	16.24	0-1	0
		12	6	16.28	16.29	16.26	0-1	0
		12	11	16.21	16.34	16.11	0-1	0
		25	0	16.18	16.30	16.24	0-1	0
	16QAM	1	0	16.49	16.37	16.28	0-1	0
		1	12	16.49	16.45	16.46	0-1	0
		1	24	16.34	16.43	16.36	0-1	0
		12	0	16.20	16.37	16.24	0-2	0
		12	6	16.40	16.40	16.33	0-2	0
		12	11	16.35	16.35	16.15	0-2	0
		25	0	16.29	16.32	16.26	0-2	0
	64QAM	1	0	16.17	16.47	16.40	0-2	0
		1	12	16.42	16.39	16.38	0-2	0
		1	24	16.31	16.44	16.25	0-2	0
		12	0	16.13	16.36	16.25	0-3	0
		12	6	16.29	16.31	16.28	0-3	0
		12	11	16.22	16.28	16.17	0-3	0
		25	0	16.16	16.32	16.24	0-3	0
	256QAM	1	0	16.13	16.40	16.41	0-5	0
		1	12	16.48	16.32	16.22	0-5	0
		1	24	16.32	16.42	16.17	0-5	0
		12	0	16.15	16.27	16.23	0-5	0
		12	6	16.26	16.38	16.26	0-5	0
		12	11	16.21	16.37	16.19	0-5	0
		25	0	16.24	16.32	16.19	0-5	0

LTE Band 12 _ 10 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				23095 Ch. 707.5 MHz		
10 MHz	QPSK	1	0	16.24	0	0
		1	24	16.41	0	0
		1	49	16.27	0	0
		25	0	16.33	0-1	0
		25	12	16.38	0-1	0
		25	24	16.34	0-1	0
		50	0	16.28	0-1	0
	16QAM	1	0	16.38	0-1	0
		1	24	16.43	0-1	0
		1	49	16.36	0-1	0
		25	0	16.35	0-2	0
		25	12	16.33	0-2	0
		25	24	16.29	0-2	0
		50	0	16.31	0-2	0
	64QAM	1	0	16.39	0-2	0
		1	24	16.41	0-2	0
		1	49	16.48	0-2	0
		25	0	16.29	0-3	0
		25	12	16.37	0-3	0
		25	24	16.28	0-3	0
		50	0	16.28	0-3	0
	256QAM	1	0	16.37	0-5	0
		1	24	16.43	0-5	0
		1	49	16.27	0-5	0
		25	0	16.28	0-5	0
		25	12	16.35	0-5	0
		25	24	16.34	0-5	0
		50	0	16.32	0-5	0

[LTE Band 13 Conducted Power_ Main 1 Ant. (DSI 1)]

LTE Band 13 _ 5 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23205 Ch. 779.5 MHz	23230 Ch. 782 MHz	23205 Ch. 784.5 MHz		
5 MHz	QPSK	1	0	16.34	16.22	16.23	0	0
		1	12	16.52	16.60	16.17	0	0
		1	24	16.22	16.18	16.15	0	0
		12	0	16.34	16.28	16.31	0-1	0
		12	6	16.41	16.36	16.28	0-1	0
		12	11	16.35	16.26	16.16	0-1	0
		25	0	16.46	16.26	16.14	0-1	0
	16QAM	1	0	16.43	16.39	16.36	0-1	0
		1	12	16.62	16.62	16.63	0-1	0
		1	24	16.56	16.43	16.32	0-1	0
		12	0	16.38	16.31	16.26	0-2	0
		12	6	16.40	16.37	16.31	0-2	0
		12	11	16.40	16.24	16.12	0-2	0
		25	0	16.46	16.26	16.18	0-2	0
	64QAM	1	0	16.37	16.51	16.39	0-2	0
		1	12	16.25	16.43	16.28	0-2	0
		1	24	16.43	16.41	16.36	0-2	0
		12	0	16.43	16.25	16.15	0-3	0
		12	6	16.43	16.38	16.25	0-3	0
		12	11	16.39	16.32	16.15	0-3	0
		25	0	16.54	16.25	16.22	0-3	0
	256QAM	1	0	16.38	16.28	16.33	0-5	0
		1	12	16.47	16.41	16.37	0-5	0
		1	24	16.39	16.25	16.28	0-5	0
		12	0	16.34	16.30	16.25	0-5	0
		12	6	16.41	16.40	16.22	0-5	0
		12	11	16.24	16.28	16.17	0-5	0
		25	0	16.40	16.27	16.33	0-5	0

LTE Band 13 _ 10 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				23230 Ch. 782 MHz		
10 MHz	QPSK	1	0	16.41	0	0
		1	24	16.34	0	0
		1	49	16.08	0	0
		25	0	16.52	0-1	0
		25	12	16.37	0-1	0
		25	24	16.27	0-1	0
		50	0	16.37	0-1	0
	16QAM	1	0	16.67	0-1	0
		1	24	16.49	0-1	0
		1	49	16.35	0-1	0
		25	0	16.60	0-2	0
		25	12	16.38	0-2	0
		25	24	16.31	0-2	0
		50	0	16.27	0-2	0
	64QAM	1	0	16.57	0-2	0
		1	24	16.61	0-2	0
		1	49	16.20	0-2	0
		25	0	16.56	0-3	0
		25	12	16.33	0-3	0
		25	24	16.29	0-3	0
		50	0	16.55	0-3	0
	256QAM	1	0	16.45	0-5	0
		1	24	16.42	0-5	0
		1	49	16.25	0-5	0
		25	0	16.52	0-5	0
		25	12	16.31	0-5	0
		25	24	16.27	0-5	0
		50	0	16.47	0-5	0

[LTE Band 14 Conducted Power_ Main 1 Ant. (DSI 1)]

LTE Band 14 _ 5 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23330 Ch. 790.5 MHz	23305 Ch. 793 MHz	23355 Ch. 795.5 MHz		
5 MHz	QPSK	1	0	16.12	16.05	16.11	0	0
		1	12	16.27	16.26	16.10	0	0
		1	24	16.16	16.07	16.00	0	0
		12	0	16.11	16.17	16.16	0-1	0
		12	6	16.18	16.26	16.15	0-1	0
		12	11	16.17	16.13	16.02	0-1	0
	16QAM	25	0	16.20	16.20	16.15	0-1	0
		1	0	16.30	16.33	16.43	0-1	0
		1	12	16.41	16.54	16.42	0-1	0
		1	24	16.37	16.45	16.10	0-1	0
		12	0	16.10	16.21	16.12	0-2	0
		12	6	16.30	16.19	16.13	0-2	0
	64QAM	12	11	16.24	16.15	16.02	0-2	0
		25	0	16.21	16.13	16.09	0-2	0
		1	0	16.23	16.16	16.34	0-2	0
		1	12	16.47	16.51	16.22	0-2	0
		1	24	16.24	16.30	16.08	0-2	0
		12	0	16.07	16.17	16.17	0-3	0
	256QAM	12	6	16.22	16.16	16.16	0-3	0
		12	11	16.28	16.15	16.06	0-3	0
		25	0	16.15	16.14	16.06	0-3	0
		1	0	16.19	16.33	16.28	0-5	0
		1	12	16.29	16.35	16.33	0-5	0
		1	24	16.20	16.11	16.03	0-5	0
		12	0	16.13	16.19	16.18	0-5	0
		12	6	16.25	16.23	16.17	0-5	0
		12	11	16.29	16.11	16.09	0-5	0
		25	0	16.25	16.30	16.20	0-5	0

LTE Band 14 _ 10 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				23305 Ch. 793 MHz		
10 MHz	QPSK	1	0	16.18	0	0
		1	24	16.25	0	0
		1	49	15.95	0	0
		25	0	16.15	0-1	0
		25	12	16.21	0-1	0
		25	24	16.05	0-1	0
		50	0	16.22	0-1	0
	16QAM	1	0	16.54	0-1	0
		1	24	16.45	0-1	0
		1	49	16.31	0-1	0
		25	0	16.18	0-2	0
		25	12	16.16	0-2	0
		25	24	16.13	0-2	0
		50	0	16.21	0-2	0
	64QAM	1	0	16.29	0-2	0
		1	24	16.39	0-2	0
		1	49	16.09	0-2	0
		25	0	16.22	0-3	0
		25	12	16.26	0-3	0
		25	24	16.11	0-3	0
		50	0	16.25	0-3	0
	256QAM	1	0	16.22	0-5	0
		1	24	16.34	0-5	0
		1	49	16.03	0-5	0
25		0	16.24	0-5	0	
25		12	16.30	0-5	0	
25		24	16.13	0-5	0	
50		0	16.38	0-5	0	

[LTE Band 25 Conducted Power _ Main 1 Ant. (DSI 1)]

LTE Band 25 _ 1.4 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26047 Ch. 1850.7 MHz	26365 Ch. 1882.5 MHz	26683 Ch. 1914.3 MHz		
1.4 MHz	QPSK	1	0	14.35	14.28	14.75	0	0
		1	3	14.42	14.78	15.06	0	0
		1	5	14.28	14.77	15.06	0	0
		3	0	14.48	14.65	15.06	0	0
		3	1	14.35	14.65	15.06	0	0
		3	3	14.44	14.69	15.02	0	0
		6	0	14.42	14.64	15.01	0-1	0
	16QAM	1	0	14.51	14.87	15.10	0-1	0
		1	3	14.72	14.97	15.38	0-1	0
		1	5	14.59	14.90	15.27	0-1	0
		3	0	14.50	14.94	15.13	0-1	0
		3	1	14.54	14.88	15.22	0-1	0
		3	3	14.48	14.83	15.24	0-1	0
		6	0	14.46	14.66	15.02	0-2	0
	64QAM	1	0	14.45	14.76	15.03	0-2	0
		1	3	14.54	14.90	15.13	0-2	0
		1	5	14.47	14.95	15.05	0-2	0
		3	0	14.41	14.83	15.12	0-2	0
		3	1	14.40	14.68	15.10	0-2	0
		3	3	14.39	14.77	15.06	0-2	0
		6	0	14.44	14.64	15.06	0-3	0
	256QAM	1	0	14.43	14.76	15.22	0-5	0
		1	3	14.42	14.74	15.16	0-5	0
		1	5	14.44	14.69	15.05	0-5	0
		3	0	14.42	14.59	15.11	0-5	0
		3	1	14.42	14.70	15.06	0-5	0
		3	3	14.37	14.78	15.13	0-5	0
		6	0	14.38	14.61	15.07	0-5	0

LTE Band 25 _ 3 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26055 Ch. 1851.5 MHz	26365 Ch. 1882.5 MHz	26675Ch. 1913.5 MHz		
3 MHz	QPSK	1	0	14.31	14.25	14.68	0	0
		1	7	14.39	14.70	15.03	0	0
		1	14	14.29	14.68	14.95	0	0
		8	0	14.41	14.63	15.01	0-1	0
		8	3	14.46	14.67	15.09	0-1	0
		8	7	14.42	14.76	15.04	0-1	0
		15	0	14.40	14.64	14.96	0-1	0
	16QAM	1	0	14.69	14.90	15.10	0-1	0
		1	7	14.77	15.04	15.33	0-1	0
		1	14	14.60	14.96	15.13	0-1	0
		8	0	14.49	14.76	15.04	0-2	0
		8	3	14.53	14.70	15.06	0-2	0
		8	7	14.43	14.82	15.11	0-2	0
		15	0	14.39	14.71	14.94	0-2	0
	64QAM	1	0	14.40	14.74	15.00	0-2	0
		1	7	14.58	14.94	15.14	0-2	0
		1	14	14.56	14.95	15.05	0-2	0
		8	0	14.42	14.62	15.00	0-3	0
		8	3	14.48	14.71	15.07	0-3	0
		8	7	14.37	14.74	15.06	0-3	0
		15	0	14.40	14.68	14.90	0-3	0
	256QAM	1	0	14.43	14.64	15.03	0-5	0
		1	7	14.51	14.81	15.19	0-5	0
		1	14	14.47	14.76	15.07	0-5	0
		8	0	14.44	14.67	14.97	0-5	0
		8	3	14.43	14.67	15.08	0-5	0
		8	7	14.43	14.82	15.13	0-5	0
15		0	14.41	14.62	15.00	0-5	0	

LTE Band 25 _ 5 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26065 Ch. 1852.5 MHz	26365 Ch. 1882.5 MHz	26665 Ch. 1912.5 MHz		
5 MHz	QPSK	1	0	14.32	14.39	14.68	0	0
		1	12	14.54	14.90	15.09	0	0
		1	24	14.37	14.61	15.03	0	0
		12	0	14.37	14.63	14.98	0-1	0
		12	6	14.45	14.65	15.07	0-1	0
		12	11	14.42	14.71	15.12	0-1	0
		25	0	14.37	14.63	14.94	0-1	0
	16QAM	1	0	14.70	14.84	15.34	0-1	0
		1	12	14.73	14.92	15.47	0-1	0
		1	24	14.73	15.04	15.26	0-1	0
		12	0	14.47	14.67	15.11	0-2	0
		12	6	14.42	14.72	15.00	0-2	0
		12	11	14.50	14.79	15.16	0-2	0
		25	0	14.46	14.69	14.98	0-2	0
	64QAM	1	0	14.52	14.69	15.13	0-2	0
		1	12	14.56	14.97	15.17	0-2	0
		1	24	14.63	14.94	15.06	0-2	0
		12	0	14.39	14.66	14.89	0-3	0
		12	6	14.50	14.64	15.04	0-3	0
		12	11	14.48	14.77	15.12	0-3	0
		25	0	14.41	14.70	14.99	0-3	0
	256QAM	1	0	14.43	14.63	14.97	0-5	0
		1	12	14.49	14.88	15.21	0-5	0
		1	24	14.38	14.85	15.11	0-5	0
		12	0	14.43	14.68	14.92	0-5	0
12		6	14.46	14.71	15.07	0-5	0	
12		11	14.40	14.76	15.10	0-5	0	
25		0	14.33	14.64	15.01	0-5	0	

LTE Band 25 _ 10 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26090 Ch. 1855 MHz	26365 Ch. 1882.5 MHz	26640 Ch. 1910 MHz		
10 MHz	QPSK	1	0	14.35	14.38	14.59	0	0
		1	24	14.41	14.73	15.10	0	0
		1	49	14.47	14.69	15.05	0	0
		25	0	14.40	14.66	14.96	0-1	0
		25	12	14.41	14.70	15.07	0-1	0
		25	24	14.42	14.79	15.12	0-1	0
	16QAM	50	0	14.46	14.78	14.98	0-1	0
		1	0	14.58	14.97	15.07	0-1	0
		1	24	14.72	14.94	15.20	0-1	0
		1	49	14.78	14.88	15.31	0-1	0
		25	0	14.47	14.67	15.01	0-2	0
		25	12	14.47	14.75	15.04	0-2	0
	64QAM	25	24	14.45	14.82	15.01	0-2	0
		50	0	14.44	14.63	14.98	0-2	0
		1	0	14.42	15.01	15.24	0-2	0
		1	24	14.57	14.88	15.12	0-2	0
		1	49	14.67	14.92	15.09	0-2	0
		25	0	14.41	14.71	14.96	0-3	0
	256QAM	25	12	14.46	14.78	15.03	0-3	0
		25	24	14.48	14.77	15.06	0-3	0
		50	0	14.39	14.62	14.97	0-3	0
		1	0	14.43	14.72	15.10	0-5	0
		1	24	14.56	14.78	15.08	0-5	0
		1	49	14.42	14.74	15.21	0-5	0
	256QAM	25	0	14.35	14.63	14.94	0-5	0
		25	12	14.44	14.66	14.94	0-5	0
		25	24	14.41	14.72	15.07	0-5	0
		50	0	14.40	14.64	15.01	0-5	0

LTE Band 25 _ 15 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26115 Ch. 1857.5 MHz	26365 Ch. 1882.5 MHz	26615 Ch. 1907.5 MHz		
15 MHz	QPSK	1	0	14.33	14.15	14.73	0	0
		1	36	14.18	14.58	14.82	0	0
		1	74	14.41	14.80	14.95	0	0
		36	0	14.25	14.56	14.82	0-1	0
		36	18	14.30	14.60	14.96	0-1	0
		36	39	14.32	14.73	14.93	0-1	0
		75	0	14.32	14.62	14.88	0-1	0
	16QAM	1	0	14.40	15.03	14.78	0-1	0
		1	36	14.40	14.71	15.02	0-1	0
		1	74	14.62	15.06	15.29	0-1	0
		36	0	14.24	14.61	14.82	0-2	0
		36	18	14.27	14.65	14.98	0-2	0
		36	39	14.33	14.80	14.97	0-2	0
		75	0	14.30	14.66	15.01	0-2	0
	64QAM	1	0	14.31	14.63	14.91	0-2	0
		1	36	14.48	14.65	15.00	0-2	0
		1	74	14.60	14.68	15.17	0-2	0
		36	0	14.33	14.57	14.90	0-3	0
		36	18	14.25	14.63	14.92	0-3	0
		36	39	14.38	14.71	15.01	0-3	0
		75	0	14.32	14.63	14.93	0-3	0
	256QAM	1	0	14.32	14.55	14.74	0-5	0
		1	36	14.39	14.64	14.90	0-5	0
		1	74	14.69	14.86	15.14	0-5	0
		36	0	14.28	14.63	14.78	0-5	0
		36	18	14.36	14.60	14.95	0-5	0
		36	39	14.33	14.73	14.96	0-5	0
75		0	14.37	14.59	14.95	0-5	0	

LTE Band 25 _ 20 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26140 Ch. 1860 MHz	26365 Ch. 1882.5 MHz	26590 Ch. 1905 MHz		
20 MHz	QPSK	1	0	14.35	14.35	14.86	0	0
		1	49	14.59	14.48	14.85	0	0
		1	99	14.36	14.92	14.90	0	0
		50	0	14.30	14.54	14.81	0-1	0
		50	25	14.35	14.60	14.96	0-1	0
		50	49	14.69	14.70	14.95	0-1	0
		100	0	14.36	14.55	14.88	0-1	0
	16QAM	1	0	14.37	14.65	14.96	0-1	0
		1	49	14.57	14.74	14.98	0-1	0
		1	99	14.62	14.86	15.19	0-1	0
		50	0	14.26	14.57	14.88	0-2	0
		50	25	14.32	14.62	14.94	0-2	0
		50	49	14.48	14.71	14.94	0-2	0
		100	0	14.45	14.65	14.96	0-2	0
	64QAM	1	0	14.47	14.55	14.96	0-2	0
		1	49	14.48	14.72	15.08	0-2	0
		1	99	14.55	14.82	15.01	0-2	0
		50	0	14.25	14.62	14.84	0-3	0
		50	25	14.38	14.58	14.96	0-3	0
		50	49	14.49	14.77	15.01	0-3	0
		100	0	14.36	14.58	14.90	0-3	0
	256QAM	1	0	14.27	14.77	14.86	0-5	0
		1	49	14.49	14.61	14.98	0-5	0
		1	99	14.54	14.97	15.03	0-5	0
50		0	14.28	14.57	14.78	0-5	0	
50		25	14.43	14.63	14.92	0-5	0	
50		49	14.43	14.69	15.01	0-5	0	
100		0	14.33	14.59	14.95	0-5	0	

[LTE Band 26 Conducted Power _ Main 1 Ant. (DSI 1)]

LTE Band 26 _ 1.4 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26697 Ch. 814.7 MHz	26865 Ch. 831.5 MHz	27033 Ch. 848.3 MHz		
1.4 MHz	QPSK	1	0	14.98	14.52	14.68	0	0
		1	3	14.98	14.60	14.70	0	0
		1	5	14.93	14.55	14.75	0	0
		3	0	14.91	14.53	14.74	0	0
		3	1	14.86	14.52	14.73	0	0
		3	3	14.84	14.55	14.77	0	0
		6	0	14.94	14.52	14.74	0-1	0
	16QAM	1	0	15.14	14.76	14.95	0-1	0
		1	3	15.18	14.86	14.99	0-1	0
		1	5	15.15	14.71	14.92	0-1	0
		3	0	15.04	14.73	14.86	0-1	0
		3	1	15.05	14.76	14.88	0-1	0
		3	3	15.01	14.65	14.80	0-1	0
		6	0	14.98	14.68	14.77	0-2	0
	64QAM	1	0	15.10	14.71	14.97	0-2	0
		1	3	14.99	14.73	15.03	0-2	0
		1	5	14.92	14.68	14.91	0-2	0
		3	0	14.99	14.67	14.85	0-2	0
		3	1	15.05	14.68	14.83	0-2	0
		3	3	15.03	14.70	14.86	0-2	0
		6	0	14.96	14.64	14.77	0-3	0
	256QAM	1	0	15.08	14.58	14.79	0-5	0
		1	3	14.91	14.51	14.79	0-5	0
		1	5	14.92	14.58	14.79	0-5	0
		3	0	15.00	14.58	14.71	0-5	0
		3	1	15.00	14.58	14.70	0-5	0
		3	3	14.97	14.56	14.74	0-5	0
		6	0	14.93	14.52	14.69	0-5	0

LTE Band 26 _ 3 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26705 Ch. 815.5 MHz	26865 Ch. 831.5 MHz	27025 Ch. 847.5 MHz		
3 MHz	QPSK	1	0	14.84	14.53	14.66	0	0
		1	7	14.88	14.65	14.74	0	0
		1	14	14.72	14.53	14.60	0	0
		8	0	14.98	14.60	14.66	0-1	0
		8	3	14.87	14.60	14.70	0-1	0
		8	7	14.85	14.55	14.78	0-1	0
		15	0	14.86	14.59	14.68	0-1	0
	16QAM	1	0	15.00	14.74	14.93	0-1	0
		1	7	15.24	15.04	15.16	0-1	0
		1	14	15.01	14.83	14.97	0-1	0
		8	0	15.00	14.68	14.76	0-2	0
		8	3	14.90	14.62	14.76	0-2	0
		8	7	14.82	14.69	14.85	0-2	0
		15	0	14.85	14.61	14.72	0-2	0
	64QAM	1	0	15.02	14.76	14.95	0-2	0
		1	7	15.03	14.69	15.06	0-2	0
		1	14	14.94	14.66	14.93	0-2	0
		8	0	15.05	14.65	14.70	0-3	0
		8	3	14.94	14.70	14.73	0-3	0
		8	7	14.82	14.62	14.77	0-3	0
		15	0	14.89	14.61	14.70	0-3	0
	256QAM	1	0	14.94	14.67	14.58	0-5	0
		1	7	14.98	14.68	14.91	0-5	0
		1	14	14.85	14.66	14.76	0-5	0
		8	0	14.88	14.59	14.67	0-5	0
		8	3	14.85	14.55	14.67	0-5	0
		8	7	14.89	14.57	14.72	0-5	0
15		0	14.88	14.51	14.66	0-5	0	

LTE Band 26 _ 5 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26715 Ch. 816.5 MHz	26865 Ch. 831.5 MHz	27015 Ch. 846.5 MHz		
5 MHz	QPSK	1	0	14.88	14.66	14.64	0	0
		1	12	15.03	14.58	14.90	0	0
		1	24	14.81	14.52	14.75	0	0
		12	0	14.92	14.62	14.64	0-1	0
		12	6	14.91	14.60	14.84	0-1	0
		12	11	14.84	14.64	14.77	0-1	0
		25	0	14.78	14.63	14.75	0-1	0
	16QAM	1	0	15.05	14.95	14.82	0-1	0
		1	12	15.15	14.77	15.19	0-1	0
		1	24	14.94	14.74	14.95	0-1	0
		12	0	14.96	14.63	14.70	0-2	0
		12	6	14.96	14.69	14.78	0-2	0
		12	11	14.91	14.69	14.74	0-2	0
		25	0	14.88	14.64	14.77	0-2	0
	64QAM	1	0	15.22	14.68	14.95	0-2	0
		1	12	15.03	14.83	15.01	0-2	0
		1	24	14.95	14.74	14.77	0-2	0
		12	0	14.98	14.67	14.73	0-3	0
		12	6	14.96	14.65	14.84	0-3	0
		12	11	14.88	14.66	14.78	0-3	0
		25	0	14.78	14.64	14.78	0-3	0
	256QAM	1	0	14.86	14.57	14.71	0-5	0
		1	12	15.08	14.62	14.90	0-5	0
		1	24	14.87	14.58	14.69	0-5	0
		12	0	14.93	14.59	14.63	0-5	0
12		6	14.87	14.54	14.72	0-5	0	
12		11	14.83	14.53	14.64	0-5	0	
25		0	14.80	14.57	14.71	0-5	0	

LTE Band 26 _ 10 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26740 Ch. 819 MHz	26865 Ch. 831.5 MHz	26990 Ch. 844 MHz		
10 MHz	QPSK	1	0	14.87	14.68	14.70	0	0
		1	24	14.83	14.56	14.67	0	0
		1	49	14.77	14.68	14.72	0	0
		25	0	14.93	14.66	14.70	0-1	0
		25	12	14.85	14.61	14.72	0-1	0
		25	24	14.70	14.55	14.75	0-1	0
	16QAM	50	0	14.87	14.60	14.72	0-1	0
		1	0	15.26	14.68	14.98	0-1	0
		1	24	15.01	14.79	15.05	0-1	0
		1	49	15.05	14.86	14.79	0-1	0
		25	0	14.95	14.67	14.67	0-2	0
		25	12	14.96	14.67	14.73	0-2	0
	64QAM	25	24	14.71	14.64	14.81	0-2	0
		50	0	14.91	14.59	14.64	0-2	0
		1	0	15.01	14.69	14.96	0-2	0
		1	24	14.95	14.82	14.97	0-2	0
		1	49	14.85	14.88	14.82	0-2	0
		25	0	14.97	14.66	14.76	0-3	0
	256QAM	25	12	14.95	14.70	14.73	0-3	0
		25	24	14.81	14.63	14.78	0-3	0
		50	0	14.90	14.68	14.70	0-3	0
		1	0	14.92	14.60	14.55	0-5	0
		1	24	14.86	14.62	14.95	0-5	0
		1	49	14.79	14.68	14.78	0-5	0
	256QAM	25	0	14.90	14.56	14.65	0-5	0
		25	12	14.84	14.53	14.62	0-5	0
		25	24	14.72	14.56	14.71	0-5	0
		50	0	14.85	14.53	14.63	0-5	0

LTE Band 26 _ 15 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				26865 Ch. 831.5 MHz		
15 MHz	QPSK	1	0	14.51	0	0
		1	36	14.68	0	0
		1	74	14.52	0	0
		36	0	14.49	0-1	0
		36	18	14.48	0-1	0
		36	39	14.48	0-1	0
		75	0	14.50	0-1	0
	16QAM	1	0	14.72	0-1	0
		1	36	14.98	0-1	0
		1	74	14.64	0-1	0
		36	0	14.57	0-2	0
		36	18	14.44	0-2	0
		36	39	14.57	0-2	0
		75	0	14.53	0-2	0
	64QAM	1	0	14.60	0-2	0
		1	36	14.52	0-2	0
		1	74	14.71	0-2	0
		36	0	14.58	0-3	0
		36	18	14.57	0-3	0
		36	39	14.53	0-3	0
		75	0	14.52	0-3	0
	256QAM	1	0	14.45	0-5	0
		1	36	14.44	0-5	0
		1	74	14.65	0-5	0
		36	0	14.49	0-5	0
		36	18	14.40	0-5	0
		36	39	14.49	0-5	0
75		0	14.43	0-5	0	

[LTE Band 30 Conducted Power _ Main 1 Ant. (DSI 1)]

LTE Band 30 _ 5 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]	
				27710 Ch. 2310 MHz			
5 MHz	QPSK	1	0	11.99	0	0	
		1	12	12.07	0	0	
		1	24	11.93	0	0	
		12	0	11.95	0-1	0	
		12	6	11.99	0-1	0	
		12	11	11.91	0-1	0	
	16QAM	25	0	11.88	0-1	0	
		1	0	12.13	0-1	0	
		1	12	12.30	0-1	0	
		1	24	12.44	0-1	0	
		12	0	12.05	0-2	0	
		12	6	12.00	0-2	0	
	64QAM	12	11	12.00	0-2	0	
		25	0	11.93	0-2	0	
		1	0	12.21	0-2	0	
		1	12	12.16	0-2	0	
		1	24	12.13	0-2	0	
		12	0	11.98	0-3	0	
	256QAM	12	6	12.09	0-3	0	
		12	11	11.92	0-3	0	
		25	0	11.94	0-3	0	
		1	0	11.76	0-5	0	
		1	12	12.00	0-5	0	
		1	24	11.96	0-5	0	
			12	0	11.92	0-5	0
			12	6	11.94	0-5	0
			12	11	11.85	0-5	0
			25	0	11.82	0-5	0

LTE Band 30 _ 10 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				27710 Ch. 2310 MHz		
10 MHz	QPSK	1	0	11.99	0	0
		1	24	11.93	0	0
		1	49	11.93	0	0
		25	0	11.94	0-1	0
		25	12	11.90	0-1	0
		25	24	11.91	0-1	0
	16QAM	50	0	11.93	0-1	0
		1	0	12.32	0-1	0
		1	24	12.14	0-1	0
		1	49	12.23	0-1	0
		25	0	12.02	0-2	0
		25	12	11.94	0-2	0
	64QAM	25	24	11.96	0-2	0
		50	0	11.91	0-2	0
		1	0	12.06	0-2	0
		1	24	12.30	0-2	0
		1	49	12.29	0-2	0
		25	0	12.09	0-3	0
	256QAM	25	12	11.98	0-3	0
		25	24	11.97	0-3	0
		50	0	11.99	0-3	0
		1	0	11.89	0-5	0
		1	24	12.09	0-5	0
		1	49	11.91	0-5	0
25		0	11.86	0-5	0	
25		12	11.97	0-5	0	
25	24	11.90	0-5	0		
		50	0	11.77	0-5	0

[LTE TDD Band 41 Conducted Power (Power Class 3) _ Main 1 Ant. (DSI 1)]

LTE TDD Band 41 (Power Class 3) _5 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
5 MHz	QPSK	1	0	13.04	13.23	12.88	12.61	13.27	0	0
		1	12	13.19	13.35	12.95	12.78	13.42	0	0
		1	24	13.10	13.14	12.83	12.67	13.35	0	0
		12	0	13.11	13.28	12.98	12.65	13.31	0-1	0
		12	6	13.18	13.35	13.01	12.78	13.43	0-1	0
		12	11	13.16	13.29	12.86	12.74	13.40	0-1	0
		25	0	13.15	13.30	12.93	12.72	13.39	0-1	0
	16QAM	1	0	12.98	13.19	12.92	12.61	13.24	0-1	0
		1	12	13.11	13.26	13.00	12.70	13.44	0-1	0
		1	24	13.06	13.17	12.83	12.61	13.37	0-1	0
		12	0	13.10	13.32	12.95	12.66	13.30	0-2	0
		12	6	13.19	13.32	13.04	12.78	13.40	0-2	0
		12	11	13.13	13.31	12.87	12.78	13.45	0-2	0
		25	0	13.13	13.31	12.95	12.71	13.42	0-2	0
	64QAM	1	0	13.13	13.32	12.98	12.70	13.50	0-2	0
		1	12	13.22	13.36	13.06	12.83	13.45	0-2	0
		1	24	13.19	13.31	12.95	12.84	13.45	0-2	0
		12	0	13.08	13.35	13.00	12.70	13.31	0-3	0
		12	6	13.19	13.33	13.01	12.79	13.42	0-3	0
		12	11	13.20	13.37	12.93	12.74	13.47	0-3	0
		25	0	13.12	13.33	12.98	12.77	13.36	0-3	0
	256QAM	1	0	12.77	13.22	12.78	12.44	13.13	0-5	0
		1	12	13.02	13.12	12.72	12.47	13.17	0-5	0
		1	24	13.06	13.09	12.69	12.46	13.21	0-5	0
		12	0	12.94	13.24	12.90	12.59	13.20	0-5	0
		12	6	13.08	13.27	12.88	12.63	13.23	0-5	0
		12	11	13.05	13.23	12.78	12.60	13.31	0-5	0
		25	0	13.08	13.23	12.89	12.64	13.22	0-5	0

LTE TDD Band 41 (Power Class 3) _10 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]	
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz			
10 MHz	QPSK	1	0	12.95	13.25	12.95	12.64	13.28	0	0	
		1	24	13.11	13.32	12.97	12.69	13.37	0	0	
		1	49	13.22	13.22	12.89	12.69	13.37	0	0	
		25	0	13.04	13.33	12.99	12.65	13.33	0-1	0	
		25	12	13.21	13.35	12.99	12.75	13.42	0-1	0	
		25	24	13.25	13.24	12.91	12.74	13.44	0-1	0	
	16QAM	50	0	13.18	13.33	12.96	12.76	13.41	0-1	0	
		1	0	12.98	13.16	12.96	12.61	13.34	0-1	0	
		1	24	13.09	13.25	12.92	12.65	13.38	0-1	0	
		1	49	13.22	13.18	12.85	12.62	13.32	0-1	0	
		25	0	13.10	13.36	13.01	12.68	13.35	0-2	0	
		25	12	13.20	13.38	13.02	12.80	13.45	0-2	0	
	64QAM	25	24	13.24	13.24	12.94	12.75	13.43	0-2	0	
		50	0	13.17	13.33	12.97	12.77	13.45	0-2	0	
		1	0	13.12	13.39	13.11	12.71	13.53	0-2	0	
		1	24	13.25	13.45	13.08	12.86	13.52	0-2	0	
		1	49	13.30	13.30	13.00	12.76	13.51	0-2	0	
		25	0	13.10	13.39	13.01	12.71	13.34	0-3	0	
	256QAM	25	12	13.20	13.40	13.01	12.81	13.48	0-3	0	
		25	24	13.23	13.25	12.93	12.76	13.42	0-3	0	
		50	0	13.15	13.37	13.01	12.79	13.43	0-3	0	
		1	0	12.78	13.26	12.97	12.45	13.10	0-5	0	
		1	24	13.05	13.26	12.83	12.54	13.27	0-5	0	
		1	49	13.12	13.05	12.62	12.52	13.18	0-5	0	
		256QAM	25	0	12.97	13.29	12.89	12.56	13.21	0-5	0
			25	12	13.12	13.28	12.93	12.68	13.29	0-5	0
			25	24	13.13	13.19	12.82	12.65	13.31	0-5	0
			50	0	13.07	13.28	12.87	12.63	13.24	0-5	0

LTE TDD Band 41 (Power Class 3) _15 Mhz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 Mhz	40185 Ch. 2549.5 Mhz	40620 Ch. 2593.0 Mhz	41055 Ch. 2636.5 Mhz	41490 Ch. 2680.0 Mhz		
15 Mhz	QPSK	1	0	12.77	13.13	12.80	12.43	13.07	0	0
		1	36	12.90	13.10	12.76	12.53	13.20	0	0
		1	74	13.02	13.04	12.74	12.63	13.27	0	0
		36	0	12.94	13.25	12.86	12.54	13.17	0-1	0
		36	18	13.06	13.19	12.86	12.54	13.17	0-1	0
		36	39	13.15	13.12	12.76	12.63	13.27	0-1	0
		75	0	13.09	13.23	12.86	12.58	13.28	0-1	0
	16QAM	1	0	12.78	13.18	12.74	12.46	13.03	0-1	0
		1	36	12.90	13.18	12.74	12.57	13.19	0-1	0
		1	74	13.10	13.04	12.69	12.66	13.30	0-1	0
		36	0	12.90	13.27	12.90	12.56	13.20	0-2	0
		36	18	13.02	13.21	12.88	12.54	13.21	0-2	0
		36	39	13.13	13.13	12.79	12.64	13.31	0-2	0
		75	0	13.04	13.19	12.88	12.61	13.30	0-2	0
	64QAM	1	0	12.95	13.33	12.91	12.58	13.17	0-2	0
		1	36	12.95	13.16	12.87	12.64	13.28	0-2	0
		1	74	13.16	13.26	12.87	12.73	13.33	0-2	0
		36	0	12.92	13.28	12.92	12.56	13.20	0-3	0
		36	18	13.07	13.21	12.85	12.53	13.22	0-3	0
		36	39	13.11	13.11	12.81	12.66	13.29	0-3	0
		75	0	13.02	13.24	12.89	12.67	13.26	0-3	0
	256QAM	1	0	12.55	13.04	12.69	12.24	12.92	0-5	0
		1	36	12.88	12.96	12.63	12.35	13.15	0-5	0
		1	74	13.15	13.05	12.58	12.49	13.14	0-5	0
		36	0	12.87	13.15	12.79	12.43	13.15	0-5	0
		36	18	12.92	13.17	12.78	12.41	13.11	0-5	0
		36	39	13.04	13.05	12.65	12.49	13.21	0-5	0
		75	0	12.97	13.15	12.76	12.51	13.09	0-5	0

LTE TDD Band 41 (Power Class 3) _20 Mhz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 Mhz	40185 Ch. 2549.5 Mhz	40620 Ch. 2593.0 Mhz	41055 Ch. 2636.5 Mhz	41490 Ch. 2680.0 Mhz		
20 Mhz	QPSK	1	0	12.78	13.16	12.92	12.46	13.11	0	0
		1	49	12.91	13.06	12.77	12.49	13.17	0	0
		1	99	13.07	12.93	12.74	12.59	13.26	0	0
		50	0	12.93	13.31	12.91	12.51	13.21	0-1	0
		50	25	13.08	13.22	12.87	12.65	13.27	0-1	0
		50	49	13.16	13.15	12.75	12.64	13.26	0-1	0
		100	0	13.11	13.24	12.89	12.59	13.17	0-1	0
	16QAM	1	0	12.73	13.18	12.81	12.52	12.98	0-1	0
		1	49	13.07	13.09	12.82	12.58	13.16	0-1	0
		1	99	13.16	12.93	12.67	12.63	13.18	0-1	0
		50	0	12.93	13.31	12.93	12.54	13.17	0-2	0
		50	25	13.05	13.21	12.89	12.67	13.32	0-2	0
		50	49	13.15	13.14	12.78	12.64	13.29	0-2	0
		100	0	13.08	13.23	12.92	12.65	13.20	0-2	0
	64QAM	1	0	12.91	13.31	12.99	12.61	13.18	0-2	0
		1	49	13.01	13.12	12.86	12.63	13.32	0-2	0
		1	99	13.24	13.14	12.80	12.66	13.31	0-2	0
		50	0	12.95	13.29	12.93	12.56	13.22	0-3	0
		50	25	13.04	13.24	12.89	12.67	13.31	0-3	0
		50	49	13.18	13.15	12.80	12.63	13.32	0-3	0
		100	0	13.06	13.24	12.88	12.65	13.23	0-3	0
	256QAM	1	0	12.76	13.21	12.71	12.38	12.81	0-5	0
		1	49	12.80	12.96	12.70	12.31	13.09	0-5	0
		1	99	13.04	12.93	12.64	12.60	13.23	0-5	0
50		0	12.84	13.20	12.84	12.44	13.09	0-5	0	
50		25	12.97	13.18	12.81	12.49	13.14	0-5	0	
50		49	13.06	13.04	12.64	12.50	13.19	0-5	0	
100		0	12.99	13.16	12.76	12.50	13.11	0-5	0	

Note; LTE Band 41 has 5 required test channels per FCC KDB 447498 D04 v01.

[LTE TDD Band 41 Conducted Power (Power Class 2) _ Main 1 Ant. (DSI 1)]

LTE TDD Band 41 (Power Class 2) _5 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
5 MHz	QPSK	1	0	15.34	15.32	14.63	14.74	15.08	0	0
		1	12	15.44	15.43	14.74	14.90	15.23	0	0
		1	24	15.39	15.32	14.57	14.78	15.18	0	0
		12	0	15.35	15.33	14.68	14.67	15.04	0-1	0
		12	6	15.43	15.36	14.67	14.70	15.17	0-1	0
		12	11	15.43	15.23	14.54	14.76	15.11	0-1	0
		25	0	15.41	15.33	14.63	14.76	15.14	0-1	0
	16QAM	1	0	15.56	15.49	14.78	14.80	15.20	0-1	0
		1	12	15.70	15.62	14.87	14.89	15.21	0-1	0
		1	24	15.66	15.48	14.67	14.78	15.25	0-1	0
		12	0	15.36	15.38	14.64	14.61	14.95	0-2	0
		12	6	15.47	15.44	14.65	14.64	15.06	0-2	0
		12	11	15.40	15.29	14.52	14.71	15.08	0-2	0
		25	0	15.43	15.36	14.57	14.67	15.04	0-2	0
	64QAM	1	0	15.53	15.50	14.77	14.87	15.17	0-2	0
		1	12	15.68	15.65	14.86	15.06	15.40	0-2	0
		1	24	15.54	15.47	14.73	14.92	15.21	0-2	0
		12	0	15.46	15.32	14.64	14.63	14.94	0-3	0
		12	6	15.48	15.44	14.64	14.63	15.02	0-3	0
		12	11	15.45	15.25	14.51	14.64	15.06	0-3	0
		25	0	15.44	15.35	14.57	14.68	15.00	0-3	0
	256QAM	1	0	15.36	15.38	14.73	14.63	14.97	0-5	0
		1	12	15.58	15.40	14.77	14.90	15.12	0-5	0
		1	24	15.52	15.30	14.58	14.62	15.12	0-5	0
		12	0	15.34	15.34	14.57	14.60	14.97	0-5	0
		12	6	15.46	15.37	14.63	14.65	15.03	0-5	0
		12	11	15.43	15.22	14.62	14.69	15.06	0-5	0
		25	0	15.41	15.29	14.59	14.70	15.04	0-5	0

LTE TDD Band 41 (Power Class 2) _10 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
10 MHz	QPSK	1	0	15.42	15.42	14.70	14.80	15.05	0	0
		1	24	15.53	15.44	14.68	14.84	15.14	0	0
		1	49	15.53	15.32	14.58	14.76	15.14	0	0
		25	0	15.37	15.34	14.68	14.67	15.01	0-1	0
		25	12	15.49	15.34	14.68	14.71	15.16	0-1	0
		25	24	15.54	15.25	14.56	14.78	15.16	0-1	0
		50	0	15.46	15.34	14.65	14.77	15.14	0-1	0
	16QAM	1	0	15.65	15.64	14.85	14.92	15.19	0-1	0
		1	24	15.63	15.61	14.77	14.93	15.28	0-1	0
		1	49	15.77	15.52	14.78	14.85	15.26	0-1	0
		25	0	15.41	15.36	14.64	14.61	14.98	0-2	0
		25	12	15.51	15.42	14.64	14.66	15.00	0-2	0
		25	24	15.52	15.32	14.55	14.70	15.08	0-2	0
		50	0	15.43	15.36	14.61	14.67	15.04	0-2	0
	64QAM	1	0	15.64	15.63	14.91	14.88	15.25	0-2	0
		1	24	15.73	15.56	14.80	14.99	15.33	0-2	0
		1	49	15.78	15.58	14.75	14.96	15.29	0-2	0
		25	0	15.36	15.35	14.64	14.64	14.96	0-3	0
		25	12	15.50	15.38	14.65	14.68	14.97	0-3	0
		25	24	15.50	15.27	14.54	14.71	15.03	0-3	0
		50	0	15.45	15.36	14.59	14.68	15.06	0-3	0
	256QAM	1	0	15.32	15.40	14.69	14.65	14.83	0-5	0
		1	24	15.55	15.41	14.73	14.79	15.29	0-5	0
		1	49	15.42	15.21	14.61	14.76	15.12	0-5	0
		25	0	15.34	15.36	14.60	14.63	14.97	0-5	0
		25	12	15.44	15.36	14.64	14.65	14.98	0-5	0
		25	24	15.45	15.25	14.51	14.66	15.07	0-5	0
		50	0	15.41	15.31	14.61	14.68	15.04	0-5	0

LTE TDD Band 41 (Power Class 2) _15 Mhz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 Mhz	40185 Ch. 2549.5 Mhz	40620 Ch. 2593.0 Mhz	41055 Ch. 2636.5 Mhz	41490 Ch. 2680.0 Mhz		
15 Mhz	QPSK	1	0	15.34	15.33	14.74	14.58	14.93	0	0
		1	36	15.43	15.34	14.52	14.63	15.04	0	0
		1	74	15.51	15.21	14.51	14.87	15.31	0	0
		36	0	15.24	15.28	14.66	14.60	14.96	0-1	0
		36	18	15.36	15.25	14.59	14.59	14.96	0-1	0
		36	39	15.42	15.16	14.54	14.66	15.07	0-1	0
		75	0	15.36	15.25	14.58	14.67	15.09	0-1	0
	16QAM	1	0	15.39	15.34	14.75	14.64	15.00	0-1	0
		1	36	15.55	15.39	14.68	14.77	15.07	0-1	0
		1	74	15.57	15.35	14.68	14.84	15.24	0-1	0
		36	0	15.25	15.29	14.56	14.55	14.87	0-2	0
		36	18	15.40	15.25	14.52	14.56	14.90	0-2	0
		36	39	15.40	15.16	14.56	14.57	14.99	0-2	0
		75	0	15.38	15.24	14.52	14.58	14.93	0-2	0
	64QAM	1	0	15.54	15.63	14.99	14.80	15.07	0-2	0
		1	36	15.60	15.54	14.86	14.84	15.19	0-2	0
		1	74	15.59	15.58	14.85	14.97	15.40	0-2	0
		36	0	15.22	15.28	14.56	14.55	14.85	0-3	0
		36	18	15.37	15.26	14.53	14.52	14.85	0-3	0
		36	39	15.41	15.14	14.55	14.60	14.97	0-3	0
		75	0	15.36	15.30	14.51	14.62	14.85	0-3	0
	256QAM	1	0	15.18	15.31	14.65	14.62	14.97	0-5	0
		1	36	15.43	15.39	14.52	14.73	14.93	0-5	0
		1	74	15.55	15.28	14.55	14.81	15.27	0-5	0
		36	0	15.26	15.27	14.57	14.53	14.86	0-5	0
		36	18	15.36	15.23	14.52	14.53	14.89	0-5	0
		36	39	15.40	15.11	14.56	14.57	14.95	0-5	0
		75	0	15.37	15.23	14.58	14.59	14.87	0-5	0

LTE TDD Band 41 (Power Class 2) _20 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
20 MHz	QPSK	1	0	15.38	15.35	14.81	14.79	15.03	0	0
		1	49	15.37	15.16	14.66	14.77	14.97	0	0
		1	99	15.52	15.11	14.60	14.82	15.18	0	0
		50	0	15.26	15.34	14.66	14.59	14.93	0-1	0
		50	25	15.38	15.26	14.63	14.73	15.06	0-1	0
		50	49	15.41	15.12	14.56	14.64	15.10	0-1	0
		100	0	15.34	15.25	14.59	14.71	14.95	0-1	0
	16QAM	1	0	15.37	15.44	14.84	14.75	15.09	0-1	0
		1	49	15.78	15.52	14.75	14.87	15.20	0-1	0
		1	99	15.60	15.15	14.58	14.76	15.21	0-1	0
		50	0	15.27	15.32	14.55	14.52	14.86	0-2	0
		50	25	15.39	15.24	14.53	14.63	14.97	0-2	0
		50	49	15.43	15.14	14.51	14.57	15.00	0-2	0
		100	0	15.36	15.25	14.52	14.59	14.86	0-2	0
	64QAM	1	0	15.38	15.57	15.15	14.81	15.16	0-2	0
		1	49	15.61	15.67	14.80	14.93	15.31	0-2	0
		1	99	15.59	15.38	14.71	14.87	15.33	0-2	0
		50	0	15.27	15.31	14.57	14.53	14.83	0-3	0
		50	25	15.36	15.29	14.54	14.62	14.94	0-3	0
		50	49	15.44	15.15	14.55	14.59	14.98	0-3	0
		100	0	15.36	15.24	14.57	14.60	14.86	0-3	0
	256QAM	1	0	15.26	15.43	14.80	14.54	14.87	0-5	0
		1	49	15.41	15.32	14.62	14.71	15.02	0-5	0
		1	99	15.62	15.35	14.57	14.69	15.12	0-5	0
		50	0	15.21	15.28	14.55	14.57	14.87	0-5	0
		50	25	15.36	15.28	14.52	14.61	14.93	0-5	0
		50	49	15.41	15.14	14.51	14.60	14.95	0-5	0
		100	0	15.35	15.26	14.60	14.58	14.87	0-5	0

Note; LTE Band 41 has 5 required test channels per FCC KDB 447498 D04 v01

[LTE Band 48 Conducted Power _ Main 2 Ant. (DSI 1)]

LTE Band 48 _ 5 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]				MPR Allowed Per 3GPP [dB]	MPR [dB]
				55265 Ch. 3552.5 MHz	55748 Ch. 3600.8 MHz	56232 Ch. 3649.2 MHz	56715 Ch. 3697.5 MHz		
5 MHz	QPSK	1	0	11.58	12.02	12.08	11.87	0	0
		1	12	11.67	12.10	12.15	11.92	0	0
		1	24	11.65	12.14	11.98	11.86	0	0
		12	0	11.71	12.09	12.14	11.98	0-1	0
		12	6	11.74	12.21	12.14	12.02	0-1	0
		12	11	11.75	12.18	12.08	12.00	0-1	0
		25	0	11.74	12.19	12.08	12.02	0-1	0
	16QAM	1	0	11.69	12.05	12.00	12.00	0-1	0
		1	12	11.84	12.15	12.09	12.12	0-1	0
		1	24	11.79	12.13	11.93	12.03	0-1	0
		12	0	11.80	12.10	12.13	12.07	0-2	0
		12	6	11.71	12.20	12.15	12.06	0-2	0
		12	11	11.66	12.22	12.11	12.02	0-2	0
		25	0	11.71	12.20	12.15	12.03	0-2	0
	64QAM	1	0	11.65	12.10	12.20	11.91	0-2	0
		1	12	11.68	12.17	12.20	12.03	0-2	0
		1	24	11.78	12.21	12.07	11.86	0-2	0
		12	0	11.74	12.10	12.11	12.01	0-3	0
		12	6	11.75	12.23	12.13	12.09	0-3	0
		12	11	11.78	12.22	12.12	12.06	0-3	0
		25	0	11.73	12.24	12.11	12.02	0-3	0
	256QAM	1	0	11.59	11.99	12.06	12.03	0-5	0
		1	12	11.82	12.28	12.17	11.98	0-5	0
		1	24	11.66	12.15	11.90	11.94	0-5	0
		12	0	11.76	12.12	12.15	12.07	0-5	0
12		6	11.76	12.29	12.18	12.13	0-5	0	
12		11	11.77	12.27	12.16	12.08	0-5	0	
25		0	11.74	12.26	12.17	12.09	0-5	0	

LTE Band 48 _ 10 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]				MPR Allowed Per 3GPP [dB]	MPR [dB]	
				55290Ch. 3555 MHz	55757 Ch. 3601.7 MHz	56223 Ch. 3648.3 MHz	56690 Ch. 3695 MHz			
10 MHz	QPSK	1	0	11.58	12.03	12.15	11.88	0	0	
		1	24	11.69	12.20	12.07	11.98	0	0	
		1	49	11.65	12.18	11.93	11.89	0	0	
		25	0	11.63	12.10	12.14	12.00	0-1	0	
		25	12	11.80	12.23	12.16	12.05	0-1	0	
		25	24	11.74	12.26	12.03	11.98	0-1	0	
	16QAM	50	0	11.75	12.23	12.16	12.02	0-1	0	
		1	0	11.61	12.04	12.11	11.89	0-1	0	
		1	24	11.60	12.20	12.08	11.98	0-1	0	
		1	49	11.60	12.22	11.95	11.94	0-1	0	
		25	0	11.65	12.11	12.17	12.01	0-2	0	
		25	12	11.79	12.26	12.17	12.07	0-2	0	
	64QAM	25	24	11.75	12.27	12.06	11.98	0-2	0	
		50	0	11.73	12.24	12.14	12.03	0-2	0	
		1	0	11.72	12.16	12.24	12.03	0-2	0	
		1	24	11.79	12.19	12.19	12.07	0-2	0	
		1	49	11.77	12.37	12.05	12.06	0-2	0	
		25	0	11.64	12.10	12.22	12.06	0-3	0	
	256QAM	25	12	11.76	12.26	12.22	12.09	0-3	0	
		25	24	11.71	12.27	12.07	11.98	0-3	0	
		50	0	11.76	12.25	12.15	12.06	0-3	0	
		1	0	11.61	12.09	12.10	11.90	0-5	0	
		1	24	11.76	12.12	12.17	11.97	0-5	0	
		1	49	11.65	12.20	11.90	11.97	0-5	0	
		256QAM	25	0	11.67	12.14	12.23	12.08	0-5	0
			25	12	11.77	12.28	12.23	12.15	0-5	0
			25	24	11.80	12.28	12.08	12.01	0-5	0
			50	0	11.79	12.26	12.20	12.09	0-5	0

LTE Band 48 _ 15 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]				MPR Allowed Per 3GPP [dB]	MPR [dB]
				55315Ch. 3557.5 MHz	55765 Ch. 3602.5 MHz	56215 Ch. 3647.5 MHz	56665 Ch. 3692.5 MHz		
15 MHz	QPSK	1	0	11.41	11.83	12.00	11.72	0	0
		1	36	11.51	12.04	11.91	11.77	0	0
		1	74	11.51	12.06	11.77	11.75	0	0
		36	0	11.52	11.98	12.10	11.86	0-1	0
		36	18	11.65	12.12	12.00	11.90	0-1	0
		36	39	11.63	12.19	11.89	11.82	0-1	0
		75	0	11.63	12.13	12.06	11.89	0-1	0
	16QAM	1	0	11.35	11.87	11.96	11.67	0-1	0
		1	36	11.53	11.92	12.10	11.89	0-1	0
		1	74	11.50	12.13	11.76	11.67	0-1	0
		36	0	11.55	11.97	12.10	11.86	0-2	0
		36	18	11.62	12.13	12.05	11.88	0-2	0
		36	39	11.66	12.18	11.92	11.84	0-2	0
		75	0	11.62	12.14	12.02	11.87	0-2	0
	64QAM	1	0	11.53	11.90	12.05	11.81	0-2	0
		1	36	11.57	12.05	12.05	11.86	0-2	0
		1	74	11.58	12.22	11.89	11.86	0-2	0
		36	0	11.56	12.00	12.13	11.86	0-3	0
		36	18	11.61	12.13	12.02	11.90	0-3	0
		36	39	11.64	12.19	11.91	11.87	0-3	0
		75	0	11.63	12.12	12.03	11.89	0-3	0
	256QAM	1	0	11.39	11.90	12.07	11.76	0-5	0
		1	36	11.52	12.10	12.01	11.76	0-5	0
		1	74	11.66	12.31	11.82	11.92	0-5	0
		36	0	11.55	12.01	12.14	11.92	0-5	0
		36	18	11.65	12.18	12.10	11.94	0-5	0
		36	39	11.70	12.25	11.97	11.92	0-5	0
		75	0	11.69	12.18	12.10	11.95	0-5	0

LTE Band 48 _ 20 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]				MPR Allowed Per 3GPP [dB]	MPR [dB]
				55340Ch. 3560.0 MHz	55773 Ch. 3603.3 MHz	56207 Ch. 3646.7 MHz	56640 Ch. 3690.0 MHz		
20 MHz	QPSK	1	0	11.42	11.82	12.08	11.98	0	0
		1	49	11.51	11.98	11.88	11.88	0	0
		1	99	11.46	12.12	11.72	11.87	0	0
		50	0	11.55	12.01	12.15	11.88	0-1	0
		50	25	11.67	12.18	12.09	11.88	0-1	0
		50	49	11.68	12.21	11.92	11.86	0-1	0
	100	0	11.65	12.13	12.07	11.87	0-1	0	
	16QAM	1	0	11.47	11.85	12.22	11.91	0-1	0
		1	49	11.64	12.16	12.07	11.89	0-1	0
		1	99	11.50	12.03	11.82	11.85	0-1	0
		50	0	11.54	11.99	12.14	11.85	0-2	0
		50	25	11.65	12.14	12.09	11.92	0-2	0
		50	49	11.65	12.23	11.92	11.87	0-2	0
	64QAM	100	0	11.65	12.12	12.07	11.89	0-2	0
		1	0	11.50	11.83	12.14	11.73	0-2	0
		1	49	11.57	12.08	12.04	11.84	0-2	0
		1	99	11.62	12.16	11.80	11.85	0-2	0
		50	0	11.58	12.02	12.17	11.88	0-3	0
		50	25	11.68	12.15	12.10	11.92	0-3	0
	256QAM	50	49	11.66	12.23	11.96	11.90	0-3	0
		100	0	11.65	12.16	12.08	11.92	0-3	0
		1	0	11.46	11.86	12.13	11.73	0-5	0
		1	49	11.51	12.12	12.08	11.88	0-5	0
		1	99	11.58	12.19	11.79	11.81	0-5	0
50		0	11.59	12.02	12.17	11.94	0-5	0	
	50	25	11.70	12.22	12.14	11.99	0-5	0	
	50	49	11.67	12.26	12.02	11.94	0-5	0	
	100	0	11.67	12.19	12.10	11.95	0-5	0	

[LTE Band 66 Conducted Power _ Main 1 Ant. (DSI 1)]

LTE Band 66 _ 1.4 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131979Ch. 1710.7 MHz	132322 Ch. 1745 MHz	132665 Ch. 1779.3 MHz		
1.4 MHz	QPSK	1	0	13.51	13.84	13.97	0	0
		1	3	13.78	14.00	13.99	0	0
		1	5	13.50	13.99	14.02	0	0
		3	0	13.56	13.97	13.98	0	0
		3	1	13.57	14.03	13.97	0	0
		3	3	13.55	14.08	13.90	0	0
		6	0	13.59	13.86	13.97	0-1	0
	16QAM	1	0	13.68	14.24	14.20	0-1	0
		1	3	13.90	14.21	14.55	0-1	0
		1	5	13.85	14.25	14.18	0-1	0
		3	0	13.64	14.15	14.10	0-1	0
		3	1	13.59	14.14	14.10	0-1	0
		3	3	13.61	14.12	14.05	0-1	0
		6	0	13.60	13.99	14.04	0-2	0
	64QAM	1	0	13.60	14.05	13.99	0-2	0
		1	3	13.70	14.17	14.10	0-2	0
		1	5	13.69	14.06	14.13	0-2	0
		3	0	13.66	14.11	14.13	0-2	0
		3	1	13.54	14.19	14.04	0-2	0
		3	3	13.59	14.08	14.05	0-2	0
		6	0	13.51	13.94	13.97	0-3	0
	256QAM	1	0	13.67	14.03	14.04	0-5	0
		1	3	13.70	14.10	14.08	0-5	0
		1	5	13.61	14.13	14.13	0-5	0
		3	0	13.63	13.98	14.07	0-5	0
		3	1	13.59	14.14	13.99	0-5	0
		3	3	13.52	14.11	14.02	0-5	0
		6	0	13.50	13.93	14.06	0-5	0

LTE Band 66 _ 3 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131987 Ch. 1711.5 MHz	132322 Ch. 1745 MHz	132657 Ch. 1778.5 MHz		
3 MHz	QPSK	1	0	13.40	14.08	14.00	0	0
		1	7	13.57	14.06	14.00	0	0
		1	14	13.52	13.98	14.00	0	0
		8	0	13.59	13.95	13.99	0-1	0
		8	3	13.64	14.01	14.06	0-1	0
		8	7	13.60	14.07	13.97	0-1	0
		15	0	13.61	14.01	14.00	0-1	0
	16QAM	1	0	13.65	14.22	14.03	0-1	0
		1	7	13.71	14.21	14.17	0-1	0
		1	14	13.71	14.22	14.07	0-1	0
		8	0	13.56	14.07	14.02	0-2	0
		8	3	13.65	14.04	14.04	0-2	0
		8	7	13.65	14.12	14.07	0-2	0
		15	0	13.52	14.04	14.06	0-2	0
	64QAM	1	0	13.51	14.14	14.03	0-2	0
		1	7	13.64	14.12	14.32	0-2	0
		1	14	13.56	14.06	14.14	0-2	0
		8	0	13.61	14.01	14.01	0-3	0
		8	3	13.64	14.09	14.06	0-3	0
		8	7	13.59	14.12	14.07	0-3	0
		15	0	13.62	13.98	14.08	0-3	0
	256QAM	1	0	13.55	13.97	13.93	0-5	0
		1	7	13.64	14.26	14.13	0-5	0
		1	14	13.55	14.11	13.98	0-5	0
		8	0	13.58	13.95	14.02	0-5	0
		8	3	13.55	14.01	14.06	0-5	0
		8	7	13.63	14.07	14.08	0-5	0
		15	0	13.63	14.00	14.06	0-5	0

LTE Band 66 _ 5 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131997 Ch. 1712.5 MHz	132322Ch. 1745 MHz	132647 Ch. 1777.5 MHz		
5 MHz	QPSK	1	0	13.59	14.09	14.00	0	0
		1	12	13.88	14.00	14.05	0	0
		1	24	13.52	14.05	14.03	0	0
		12	0	13.53	13.95	13.95	0-1	0
		12	6	13.63	13.98	14.06	0-1	0
		12	11	13.60	14.06	14.01	0-1	0
		25	0	13.55	13.95	13.97	0-1	0
	16QAM	1	0	13.56	14.19	14.20	0-1	0
		1	12	13.90	14.31	14.22	0-1	0
		1	24	13.66	14.18	14.17	0-1	0
		12	0	13.48	13.97	14.01	0-2	0
		12	6	13.63	14.01	14.15	0-2	0
		12	11	13.60	14.09	14.08	0-2	0
		25	0	13.64	13.95	14.01	0-2	0
	64QAM	1	0	13.72	14.06	14.05	0-2	0
		1	12	13.83	14.22	14.17	0-2	0
		1	24	13.80	14.19	14.13	0-2	0
		12	0	13.44	13.98	14.06	0-3	0
		12	6	13.71	14.00	14.03	0-3	0
		12	11	13.55	14.08	14.06	0-3	0
		25	0	13.53	13.95	14.01	0-3	0
	256QAM	1	0	13.45	14.16	14.15	0-5	0
		1	12	13.72	14.18	14.02	0-5	0
		1	24	13.84	14.20	14.09	0-5	0
		12	0	13.55	14.02	14.05	0-5	0
		12	6	13.61	14.04	14.04	0-5	0
		12	11	13.54	14.08	14.08	0-5	0
		25	0	13.66	14.10	14.07	0-5	0

LTE Band 66 _ 10 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132022 Ch. 1715 MHz	132322 Ch. 1745 MHz	132622 Ch. 1775 MHz		
10 MHz	QPSK	1	0	13.56	13.88	14.10	0	0
		1	24	13.66	14.01	14.08	0	0
		1	49	13.77	14.15	14.09	0	0
		25	0	13.53	13.95	14.00	0-1	0
		25	12	13.66	13.99	14.07	0-1	0
		25	24	13.68	14.04	14.06	0-1	0
		50	0	13.63	14.00	14.04	0-1	0
	16QAM	1	0	13.62	14.27	14.17	0-1	0
		1	24	13.97	14.20	14.41	0-1	0
		1	49	14.10	14.50	14.35	0-1	0
		25	0	13.54	14.02	14.09	0-2	0
		25	12	13.67	14.02	14.07	0-2	0
		25	24	13.67	14.15	14.05	0-2	0
		50	0	13.68	13.99	14.03	0-2	0
	64QAM	1	0	13.78	14.19	14.15	0-2	0
		1	24	13.86	14.23	14.25	0-2	0
		1	49	13.74	14.20	14.15	0-2	0
		25	0	13.55	14.08	14.00	0-3	0
		25	12	13.66	14.09	14.13	0-3	0
		25	24	13.72	14.14	14.04	0-3	0
		50	0	13.69	13.96	14.08	0-3	0
	256QAM	1	0	13.45	14.06	14.14	0-5	0
		1	24	13.89	14.21	14.21	0-5	0
		1	49	13.65	14.25	14.07	0-5	0
		25	0	13.61	14.03	14.10	0-5	0
		25	12	13.66	14.07	14.16	0-5	0
		25	24	13.69	14.09	14.11	0-5	0
		50	0	13.68	14.01	14.05	0-5	0

LTE Band 66 _ 15 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132047 Ch. 1717.5 MHz	132322 Ch. 1745 MHz	132597 Ch. 1772.5 MHz		
15 MHz	QPSK	1	0	13.39	13.86	13.77	0	0
		1	36	13.45	13.96	13.98	0	0
		1	74	13.63	13.95	13.71	0	0
		36	0	13.50	13.97	13.97	0-1	0
		36	18	13.63	13.90	13.94	0-1	0
		36	39	13.61	14.04	13.96	0-1	0
		75	0	13.66	13.93	14.01	0-1	0
	16QAM	1	0	13.77	13.88	14.23	0-1	0
		1	36	13.61	14.07	14.39	0-1	0
		1	74	13.87	14.21	14.07	0-1	0
		36	0	13.45	13.93	13.96	0-2	0
		36	18	13.57	13.96	13.99	0-2	0
		36	39	13.73	14.05	13.95	0-2	0
		75	0	13.60	13.87	14.00	0-2	0
	64QAM	1	0	13.65	13.95	13.86	0-2	0
		1	36	13.63	14.28	14.00	0-2	0
		1	74	13.89	14.03	14.07	0-2	0
		36	0	13.44	13.84	13.89	0-3	0
		36	18	13.57	13.86	14.00	0-3	0
		36	39	13.63	13.96	14.05	0-3	0
		75	0	13.60	13.96	13.96	0-3	0
	256QAM	1	0	13.39	13.86	13.93	0-5	0
		1	36	13.59	14.06	14.17	0-5	0
		1	74	13.71	14.20	14.20	0-5	0
		36	0	13.50	13.89	13.92	0-5	0
		36	18	13.55	13.90	14.02	0-5	0
		36	39	13.66	13.98	13.97	0-5	0
		75	0	13.61	13.92	14.01	0-5	0

LTE Band 66 _ 20 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132072 Ch. 1720 MHz	132322 Ch. 1745 MHz	132572 Ch. 1770 MHz		
20 MHz	QPSK	1	0	13.64	14.12	14.21	0	0
		1	49	13.47	13.85	14.01	0	0
		1	99	13.98	14.30	14.36	0	0
		50	0	13.56	13.97	13.98	0-1	0
		50	25	13.72	13.89	14.06	0-1	0
		50	49	13.76	14.02	13.96	0-1	0
		100	0	13.72	13.87	13.92	0-1	0
	16QAM	1	0	13.70	13.94	14.14	0-1	0
		1	49	13.56	14.10	14.12	0-1	0
		1	99	14.07	14.52	13.92	0-1	0
		50	0	13.50	13.89	13.96	0-2	0
		50	25	13.61	13.98	14.04	0-2	0
		50	49	13.72	14.02	14.03	0-2	0
		100	0	13.68	13.91	14.03	0-2	0
	64QAM	1	0	13.46	14.02	14.17	0-2	0
		1	49	13.68	14.01	14.07	0-2	0
		1	99	14.00	14.12	13.92	0-2	0
		50	0	13.45	13.90	13.94	0-3	0
		50	25	13.61	13.87	14.06	0-3	0
		50	49	13.78	14.01	14.04	0-3	0
		100	0	13.61	13.90	14.06	0-3	0
	256QAM	1	0	13.42	13.85	14.17	0-5	0
		1	49	13.52	13.97	13.90	0-5	0
		1	99	13.91	14.22	14.21	0-5	0
		50	0	13.51	13.90	13.95	0-5	0
		50	25	13.65	13.98	14.00	0-5	0
		50	49	13.65	13.99	14.06	0-5	0
		100	0	13.52	13.90	14.03	0-5	0

[LTE Band 71 Conducted Power _ Main 1 Ant. (DSI 1)]

LTE Band 71 _ 5 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				133147 Ch. 665.5 MHz	133297Ch. 680.5 MHz	133447 Ch. 695.5 MHz		
5 MHz	QPSK	1	0	17.11	17.33	17.53	0	0
		1	12	17.22	17.40	17.59	0	0
		1	24	17.08	17.37	17.46	0	0
		12	0	17.12	17.35	17.46	0-1	0
		12	6	17.24	17.37	17.51	0-1	0
		12	11	17.13	17.38	17.58	0-1	0
		25	0	17.19	17.34	17.49	0-1	0
	16QAM	1	0	17.45	17.64	17.79	0-1	0
		1	12	17.56	17.56	17.89	0-1	0
		1	24	17.36	17.67	17.74	0-1	0
		12	0	17.13	17.37	17.51	0-2	0
		12	6	17.19	17.35	17.51	0-2	0
		12	11	17.19	17.51	17.51	0-2	0
		25	0	17.17	17.32	17.48	0-2	0
	64QAM	1	0	17.17	17.53	17.71	0-2	0
		1	12	17.23	17.72	17.79	0-2	0
		1	24	17.13	17.51	17.69	0-2	0
		12	0	17.17	17.39	17.52	0-3	0
		12	6	17.17	17.38	17.53	0-3	0
		12	11	17.22	17.49	17.60	0-3	0
		25	0	17.13	17.40	17.54	0-3	0
	256QAM	1	0	17.07	17.43	17.65	0-5	0
		1	12	17.19	17.50	17.71	0-5	0
		1	24	17.24	17.35	17.47	0-5	0
		12	0	17.14	17.37	17.62	0-5	0
		12	6	17.21	17.44	17.52	0-5	0
		12	11	17.19	17.47	17.62	0-5	0
		25	0	17.16	17.43	17.56	0-5	0

LTE Band 71 _ 10 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				133172 Ch. 668 MHz	133297 Ch. 680.5 MHz	133422 Ch. 693 MHz		
10 MHz	QPSK	1	0	17.23	17.30	17.43	0	0
		1	24	17.16	17.44	17.50	0	0
		1	49	17.27	17.37	17.51	0	0
		25	0	17.15	17.38	17.46	0-1	0
		25	12	17.23	17.43	17.53	0-1	0
		25	24	17.31	17.50	17.53	0-1	0
		50	0	17.24	17.30	17.57	0-1	0
	16QAM	1	0	17.35	17.82	17.79	0-1	0
		1	24	17.43	17.72	17.77	0-1	0
		1	49	17.47	17.78	17.75	0-1	0
		25	0	17.20	17.39	17.53	0-2	0
		25	12	17.22	17.43	17.49	0-2	0
		25	24	17.21	17.49	17.57	0-2	0
		50	0	17.25	17.36	17.63	0-2	0
	64QAM	1	0	17.18	17.49	17.68	0-2	0
		1	24	17.36	17.58	17.81	0-2	0
		1	49	17.44	17.58	17.76	0-2	0
		25	0	17.13	17.39	17.52	0-3	0
		25	12	17.21	17.44	17.56	0-3	0
		25	24	17.27	17.48	17.56	0-3	0
		50	0	17.22	17.31	17.61	0-3	0
	256QAM	1	0	17.09	17.50	17.39	0-5	0
		1	24	17.25	17.56	17.70	0-5	0
		1	49	17.19	17.61	17.57	0-5	0
		25	0	17.13	17.38	17.50	0-5	0
		25	12	17.27	17.39	17.54	0-5	0
		25	24	17.28	17.44	17.54	0-5	0
		50	0	17.15	17.38	17.62	0-5	0

LTE Band 71 _ 15 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]		MPR Allowed Per 3GPP [dB]	MPR [dB]	
					133297 Ch. 680.5 MHz			
15 MHz	QPSK	1	0		17.08		0	0
		1	36		17.32		0	0
		1	74		17.14		0	0
		36	0		17.22		0-1	0
		36	18		17.28		0-1	0
		36	39		17.38		0-1	0
		75	0		17.27		0-1	0
	16QAM	1	0		17.31		0-1	0
		1	36		17.47		0-1	0
		1	74		17.59		0-1	0
		36	0		17.20		0-2	0
		36	18		17.25		0-2	0
		36	39		17.25		0-2	0
		75	0		17.19		0-2	0
	64QAM	1	0		17.13		0-2	0
		1	36		17.38		0-2	0
		1	74		17.30		0-2	0
		36	0		17.18		0-3	0
		36	18		17.23		0-3	0
		36	39		17.32		0-3	0
		75	0		17.23		0-3	0
	256QAM	1	0		17.23		0-5	0
		1	36		17.37		0-5	0
		1	74		17.45		0-5	0
		36	0		17.25		0-5	0
		36	18		17.25		0-5	0
		36	39		17.17		0-5	0
		75	0		17.23		0-5	0

LTE Band 71 _ 20 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]		MPR Allowed Per 3GPP [dB]	MPR [dB]	
					133297 Ch. 680.5 MHz			
20 MHz	QPSK	1	0		17.04		0	0
		1	49		17.29		0	0
		1	99		17.37		0	0
		50	0		17.29		0-1	0
		50	25		17.27		0-1	0
		50	49		17.31		0-1	0
		100	0		17.22		0-1	0
	16QAM	1	0		17.25		0-1	0
		1	49		17.80		0-1	0
		1	99		17.47		0-1	0
		50	0		17.28		0-2	0
		50	25		17.30		0-2	0
		50	49		17.28		0-2	0
		100	0		17.26		0-2	0
	64QAM	1	0		17.12		0-2	0
		1	49		17.45		0-2	0
		1	99		17.40		0-2	0
		50	0		17.27		0-3	0
		50	25		17.21		0-3	0
		50	49		17.31		0-3	0
		100	0		17.24		0-3	0
	256QAM	1	0		17.16		0-5	0
		1	49		17.43		0-5	0
		1	99		17.44		0-5	0
		50	0		17.24		0-5	0
		50	25		17.25		0-5	0
		50	49		17.44		0-5	0
		100	0		17.27		0-5	0

The EUT enables maximum power reduction in accordance with 3GPP 36.101. The MPR settings are configured during the manufacture process and are not configurable by the network, carrier, or end user.

11.2.3 LTE Maximum Conducted Power (Sub 2 Ant.)

[LTE Band 2 Conducted Power _ Sub 2 Ant. (DSI 0)]

LTE Band 2 _ 1.4 MHz Bandwidth _ Maximum Conducted Power _Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18607 Ch. 1850.7 MHz	18900 Ch. 1880 MHz	19193 Ch. 1909.3 MHz		
1.4 MHz	QPSK	1	0	22.94	23.20	23.59	0	0
		1	3	22.81	23.24	23.67	0	0
		1	5	22.72	23.16	23.62	0	0
		3	0	22.70	23.27	23.65	0	0
		3	1	22.76	23.17	23.60	0	0
		3	3	22.70	23.19	23.67	0	0
		6	0	22.75	23.04	23.58	0-1	0
	16QAM	1	0	23.10	23.47	23.86	0-1	0
		1	3	23.09	23.55	23.73	0-1	0
		1	5	22.97	23.29	23.89	0-1	0
		3	0	22.78	23.24	23.75	0-1	1
		3	1	22.83	23.27	23.71	0-1	1
		3	3	22.91	23.29	23.66	0-1	1
		6	0	21.72	22.11	22.73	0-2	1
	64QAM	1	0	22.86	22.17	22.64	0-2	1
		1	3	22.79	22.29	22.75	0-2	1
		1	5	22.76	22.14	22.63	0-2	1
		3	0	22.82	22.15	22.74	0-2	2
		3	1	22.80	22.26	22.79	0-2	2
		3	3	22.84	22.23	22.66	0-2	2
		6	0	21.77	21.09	21.61	0-3	2
	256QAM	1	0	18.94	18.98	19.63	0-5	4
		1	3	18.73	19.11	19.61	0-5	4
		1	5	18.80	19.09	19.69	0-5	4
		3	0	18.77	19.00	19.66	0-5	4
		3	1	18.66	19.11	19.59	0-5	4
		3	3	18.70	19.16	19.62	0-5	4
		6	0	18.72	19.12	19.50	0-5	4

LTE Band 2_ 3 MHz Bandwidth_ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18615 Ch. 1851.5 MHz	18900 Ch. 1880 MHz	19185 Ch. 1908.5 MHz		
3 MHz	QPSK	1	0	22.70	23.17	23.64	0	0
		1	7	22.86	23.24	23.74	0	0
		1	14	22.69	23.20	23.64	0	0
		8	0	22.68	23.01	23.54	0-1	0
		8	3	22.72	23.07	23.53	0-1	0
		8	7	22.69	23.07	23.63	0-1	0
		15	0	22.75	23.13	23.48	0-1	0
	16QAM	1	0	22.98	23.10	23.70	0-1	0
		1	7	22.98	23.25	23.97	0-1	0
		1	14	22.86	23.34	23.75	0-1	0
		8	0	21.71	22.05	22.59	0-2	1
		8	3	21.79	22.12	22.56	0-2	1
		8	7	21.76	22.14	22.59	0-2	1
		15	0	21.69	22.11	22.56	0-2	1
	64QAM	1	0	21.89	22.05	22.59	0-2	1
		1	7	21.88	22.28	22.73	0-2	1
		1	14	21.87	22.22	22.76	0-2	1
		8	0	20.75	21.00	21.54	0-3	2
		8	3	20.76	21.09	21.54	0-3	2
		8	7	20.79	21.21	21.64	0-3	2
		15	0	20.75	21.09	21.46	0-3	2
	256QAM	1	0	18.79	19.03	19.42	0-5	4
		1	7	18.72	19.39	19.69	0-5	4
		1	14	18.88	19.08	19.71	0-5	4
		8	0	18.66	19.07	19.46	0-5	4
		8	3	18.70	19.00	19.54	0-5	4
		8	7	18.73	19.11	19.57	0-5	4
		15	0	18.71	19.16	19.49	0-5	4

LTE Band 2 _ 5 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18625 Ch. 1852.5 MHz	18900 Ch. 1880 MHz	19175 Ch. 1907.5 MHz		
5 MHz	QPSK	1	0	22.73	23.11	23.53	0	0
		1	12	22.85	23.24	23.77	0	0
		1	24	22.74	23.21	23.60	0	0
		12	0	22.72	23.09	23.44	0-1	0
		12	6	22.70	23.14	23.55	0-1	0
		12	11	22.69	23.11	23.57	0-1	0
		25	0	22.77	23.22	23.53	0-1	0
	16QAM	1	0	22.95	23.19	23.63	0-1	0
		1	12	22.96	23.29	23.77	0-1	0
		1	24	22.82	23.29	23.90	0-1	0
		12	0	21.75	22.08	22.50	0-2	1
		12	6	21.78	22.04	22.53	0-2	1
		12	11	21.83	22.20	22.62	0-2	1
		25	0	21.73	22.09	22.49	0-2	1
	64QAM	1	0	21.85	22.30	22.64	0-2	1
		1	12	21.85	22.24	22.73	0-2	1
		1	24	21.77	22.29	22.68	0-2	1
		12	0	20.74	21.04	21.56	0-3	2
		12	6	20.80	21.09	21.59	0-3	2
		12	11	20.72	21.10	21.62	0-3	2
		25	0	20.73	21.10	21.49	0-3	2
	256QAM	1	0	18.86	19.10	19.36	0-5	4
		1	12	18.89	19.27	19.72	0-5	4
		1	24	18.74	19.20	19.49	0-5	4
		12	0	18.80	19.04	19.46	0-5	4
		12	6	18.75	19.08	19.52	0-5	4
		12	11	18.76	19.09	19.51	0-5	4
		25	0	18.78	19.09	19.43	0-5	4

LTE Band 2 _ 10 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18650 Ch. 1855 MHz	18900 Ch. 1880 MHz	19150 Ch. 1905 MHz		
10 MHz	QPSK	1	0	22.70	23.11	23.41	0	0
		1	24	22.80	23.18	23.64	0	0
		1	49	22.78	23.37	23.62	0	0
		25	0	22.67	23.10	23.48	0-1	0
		25	12	22.79	23.19	23.56	0-1	0
		25	24	22.70	23.13	23.56	0-1	0
		50	0	22.73	23.14	23.59	0-1	0
	16QAM	1	0	22.93	23.27	23.98	0-1	0
		1	24	22.86	23.29	23.83	0-1	0
		1	49	23.19	23.35	23.71	0-1	0
		25	0	21.76	22.06	22.41	0-2	1
		25	12	21.76	22.19	22.63	0-2	1
		25	24	21.71	22.19	22.60	0-2	1
		50	0	21.75	22.15	22.58	0-2	1
	64QAM	1	0	21.81	22.27	22.63	0-2	1
		1	24	21.78	22.32	22.63	0-2	1
		1	49	21.96	22.27	22.58	0-2	1
		25	0	20.67	21.03	21.47	0-3	2
		25	12	20.79	21.18	21.60	0-3	2
		25	24	20.81	21.14	21.66	0-3	2
		50	0	20.73	21.19	21.59	0-3	2
	256QAM	1	0	18.58	19.06	19.47	0-5	4
		1	24	18.91	19.19	19.66	0-5	4
		1	49	18.85	19.14	19.66	0-5	4
		25	0	18.72	19.01	19.35	0-5	4
		25	12	18.74	19.12	19.58	0-5	4
		25	24	18.70	19.16	19.53	0-5	4
		50	0	18.75	19.11	19.50	0-5	4

LTE Band 2 _ 15 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18675 Ch. 1857.5 MHz	18900 Ch. 1880 MHz	19125 Ch. 1902.5 MHz		
15 MHz	QPSK	1	0	22.64	23.27	23.63	0	0
		1	36	22.57	23.07	23.56	0	0
		1	74	22.93	23.11	23.53	0	0
		36	0	22.52	22.89	23.23	0-1	0
		36	18	22.61	22.96	23.28	0-1	0
		36	39	22.64	22.98	23.36	0-1	0
		75	0	22.67	23.00	23.43	0-1	0
	16QAM	1	0	22.67	23.09	23.58	0-1	0
		1	36	22.64	23.08	23.49	0-1	0
		1	74	22.87	23.41	23.79	0-1	0
		36	0	21.46	21.94	22.21	0-2	1
		36	18	21.64	21.93	22.29	0-2	1
		36	39	21.64	22.06	22.46	0-2	1
		75	0	21.60	22.02	22.35	0-2	1
	64QAM	1	0	21.74	21.94	22.33	0-2	1
		1	36	21.66	22.14	22.42	0-2	1
		1	74	21.97	22.27	22.47	0-2	1
		36	0	20.52	20.94	21.32	0-3	2
		36	18	20.61	20.93	21.30	0-3	2
		36	39	20.69	20.99	21.43	0-3	2
		75	0	20.54	21.04	21.39	0-3	2
	256QAM	1	0	18.60	18.73	19.17	0-5	4
		1	36	18.33	18.91	19.31	0-5	4
		1	74	18.88	19.09	19.43	0-5	4
		36	0	18.52	18.89	19.22	0-5	4
		36	18	18.65	18.97	19.21	0-5	4
		36	39	18.72	19.07	19.30	0-5	4
		75	0	18.67	19.03	19.42	0-5	4

LTE Band 2 _ 20 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18700 Ch. 1860 MHz	18900 Ch. 1880 MHz	19100 Ch. 1900 MHz		
20 MHz	QPSK	1	0	22.66	23.11	23.79	0	0
		1	49	22.73	23.13	23.39	0	0
		1	99	22.81	23.18	23.63	0	0
		50	0	22.55	22.94	23.23	0-1	0
		50	25	22.65	23.10	23.28	0-1	0
		50	49	22.72	22.97	23.49	0-1	0
		100	0	22.67	23.06	23.26	0-1	0
	16QAM	1	0	22.75	22.96	23.15	0-1	0
		1	49	22.89	22.99	23.69	0-1	0
		1	99	22.97	23.16	23.85	0-1	0
		50	0	21.52	21.84	22.17	0-2	1
		50	25	21.69	21.99	22.33	0-2	1
		50	49	21.78	22.06	22.35	0-2	1
		100	0	21.71	21.99	22.41	0-2	1
	64QAM	1	0	21.46	21.95	22.07	0-2	1
		1	49	21.62	22.07	22.49	0-2	1
		1	99	21.92	22.11	22.46	0-2	1
		50	0	20.56	20.88	21.27	0-3	2
		50	25	20.74	21.01	21.33	0-3	2
		50	49	20.68	21.09	21.44	0-3	2
		100	0	20.78	21.00	21.19	0-3	2
	256QAM	1	0	18.61	18.87	19.10	0-5	4
		1	49	18.77	19.07	19.44	0-5	4
		1	99	19.01	19.11	19.65	0-5	4
		50	0	18.59	18.90	19.25	0-5	4
		50	25	18.67	19.02	19.27	0-5	4
		50	49	18.73	19.10	19.35	0-5	4
		100	0	18.71	18.98	19.19	0-5	4

[LTE Band 4 Conducted Power _ Sub 2 Ant. (DSI 0)]

LTE Band 4 _ 1.4 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				19957 Ch. 1710.7 MHz	20175 Ch. 1732.5 MHz	20393 Ch. 1754.3 MHz		
1.4 MHz	QPSK	1	0	23.35	23.81	23.93	0	0
		1	3	23.54	23.76	23.87	0	0
		1	5	23.36	23.88	23.87	0	0
		3	0	23.39	23.77	23.90	0	0
		3	1	23.42	23.72	23.98	0	0
		3	3	23.47	23.73	23.94	0	0
		6	0	23.04	23.32	23.53	0-1	0
	16QAM	1	0	23.24	23.70	23.85	0-1	0
		1	3	23.26	23.57	23.88	0-1	0
		1	5	23.41	23.63	23.73	0-1	0
		3	0	23.18	23.50	23.59	0-1	1
		3	1	23.24	23.55	23.65	0-1	1
		3	3	23.15	23.50	23.62	0-1	1
		6	0	22.14	22.38	22.62	0-2	1
	64QAM	1	0	22.12	22.49	22.52	0-2	1
		1	3	22.17	22.65	22.67	0-2	1
		1	5	22.10	22.60	22.65	0-2	1
		3	0	22.14	22.53	22.64	0-2	2
		3	1	22.12	22.50	22.57	0-2	2
		3	3	22.11	22.43	22.65	0-2	2
		6	0	21.10	21.37	21.61	0-3	2
	256QAM	1	0	19.15	19.28	19.52	0-5	4
		1	3	19.04	19.53	19.43	0-5	4
		1	5	19.14	19.53	19.58	0-5	4
		3	0	19.10	19.38	19.54	0-5	4
		3	1	19.04	19.42	19.47	0-5	4
		3	3	18.96	19.48	19.64	0-5	4
		6	0	19.01	19.28	19.47	0-5	4

LTE Band 4 _ 3 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				19965 Ch. 1711.5 MHz	20175 Ch. 1732.5 MHz	20385 Ch. 1753.5 MHz		
3 MHz	QPSK	1	0	23.28	23.71	23.82	0	0
		1	7	23.42	23.82	23.94	0	0
		1	14	23.41	23.78	23.95	0	0
		8	0	22.98	23.36	23.41	0-1	0
		8	3	23.06	23.38	23.54	0-1	0
		8	7	23.07	23.47	23.62	0-1	0
		15	0	23.09	23.40	23.44	0-1	0
	16QAM	1	0	23.19	23.57	23.59	0-1	0
		1	7	23.32	23.72	23.87	0-1	0
		1	14	23.25	23.60	23.64	0-1	0
		8	0	22.07	22.37	22.53	0-2	1
		8	3	22.16	22.36	22.51	0-2	1
		8	7	22.13	22.52	22.60	0-2	1
		15	0	22.10	22.36	22.52	0-2	1
	64QAM	1	0	22.19	22.50	22.57	0-2	1
		1	7	22.27	22.55	22.93	0-2	1
		1	14	22.15	22.53	22.76	0-2	1
		8	0	21.04	21.37	21.47	0-3	2
		8	3	21.10	21.43	21.58	0-3	2
		8	7	21.10	21.49	21.57	0-3	2
		15	0	21.07	21.43	21.51	0-3	2
	256QAM	1	0	19.04	19.32	19.48	0-5	4
		1	7	19.14	19.59	19.60	0-5	4
		1	14	19.11	19.40	19.58	0-5	4
		8	0	19.08	19.40	19.44	0-5	4
		8	3	19.08	19.40	19.58	0-5	4
		8	7	19.07	19.39	19.54	0-5	4
		15	0	19.06	19.34	19.42	0-5	4

LTE Band 4 _ 5 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				19975 Ch. 1712.5 MHz	20175 Ch. 1732.5 MHz	20375 Ch. 1752.5 MHz		
5 MHz	QPSK	1	0	23.36	23.70	23.77	0	0
		1	12	23.43	23.81	24.01	0	0
		1	24	23.41	23.86	23.84	0	0
		12	0	22.96	23.34	23.44	0-1	0
		12	6	23.18	23.42	23.57	0-1	0
		12	11	23.13	23.40	23.61	0-1	0
		25	0	23.07	23.43	23.57	0-1	0
	16QAM	1	0	23.14	23.68	23.65	0-1	0
		1	12	23.38	23.68	23.82	0-1	0
		1	24	23.28	23.56	23.78	0-1	0
		12	0	22.08	22.35	22.47	0-2	1
		12	6	22.19	22.43	22.60	0-2	1
		12	11	22.11	22.48	22.56	0-2	1
		25	0	22.17	22.38	22.51	0-2	1
	64QAM	1	0	22.23	22.51	22.82	0-2	1
		1	12	22.26	22.72	22.70	0-2	1
		1	24	22.29	22.61	22.71	0-2	1
		12	0	20.99	21.37	21.44	0-3	2
		12	6	21.15	21.42	21.54	0-3	2
		12	11	21.18	21.44	21.52	0-3	2
		25	0	21.18	21.38	21.54	0-3	2
	256QAM	1	0	19.05	19.46	19.50	0-5	4
		1	12	19.16	19.48	19.67	0-5	4
		1	24	19.12	19.52	19.67	0-5	4
		12	0	19.06	19.35	19.39	0-5	4
		12	6	19.12	19.39	19.47	0-5	4
		12	11	19.10	19.47	19.58	0-5	4
		25	0	19.07	19.32	19.50	0-5	4

LTE Band 4 _ 10 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20000 Ch. 1715 MHz	20175 Ch. 1732.5 MHz	20350 Ch. 1750 MHz		
10 MHz	QPSK	1	0	23.44	23.71	23.97	0	0
		1	24	23.47	23.85	23.90	0	0
		1	49	23.55	23.89	23.92	0	0
		25	0	23.06	23.32	23.45	0-1	0
		25	12	23.15	23.41	23.56	0-1	0
		25	24	23.23	23.51	23.54	0-1	0
		50	0	23.15	23.39	23.53	0-1	0
	16QAM	1	0	23.39	23.63	23.54	0-1	0
		1	24	23.36	23.74	23.78	0-1	0
		1	49	23.36	23.63	23.84	0-1	0
		25	0	22.04	22.42	22.50	0-2	1
		25	12	22.17	22.44	22.59	0-2	1
		25	24	22.11	22.52	22.60	0-2	1
		50	0	22.22	22.39	22.56	0-2	1
	64QAM	1	0	22.21	22.58	22.53	0-2	1
		1	24	22.32	22.62	22.75	0-2	1
		1	49	22.44	22.55	22.81	0-2	1
		25	0	21.01	21.40	21.47	0-3	2
		25	12	21.17	21.43	21.55	0-3	2
		25	24	21.19	21.55	21.54	0-3	2
		50	0	21.21	21.37	21.54	0-3	2
	256QAM	1	0	19.00	19.36	19.44	0-5	4
		1	24	19.25	19.59	19.62	0-5	4
		1	49	19.26	19.60	19.56	0-5	4
		25	0	19.02	19.33	19.38	0-5	4
		25	12	19.11	19.41	19.52	0-5	4
		25	24	19.16	19.45	19.52	0-5	4
		50	0	19.14	19.35	19.48	0-5	4

LTE Band 4 _ 15 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20025 Ch. 1717.5 MHz	20175 Ch. 1732.5 MHz	20325 Ch. 1747.5 MHz		
15 MHz	QPSK	1	0	23.14	23.89	23.73	0	0
		1	36	23.32	23.76	23.82	0	0
		1	74	23.62	23.90	24.02	0	0
		36	0	22.88	23.15	23.26	0-1	0
		36	18	23.04	23.20	23.33	0-1	0
		36	39	23.08	23.35	23.40	0-1	0
		75	0	23.06	23.22	23.40	0-1	0
	16QAM	1	0	23.08	23.15	23.48	0-1	0
		1	36	23.18	23.49	23.40	0-1	0
		1	74	23.13	23.48	23.66	0-1	0
		36	0	21.89	22.23	22.29	0-2	1
		36	18	21.97	22.28	22.37	0-2	1
		36	39	22.11	22.45	22.39	0-2	1
		75	0	22.05	22.26	22.43	0-2	1
	64QAM	1	0	22.04	22.08	22.46	0-2	1
		1	36	22.15	22.41	22.53	0-2	1
		1	74	22.31	22.50	22.64	0-2	1
		36	0	20.94	21.25	21.31	0-3	2
		36	18	20.95	21.18	21.33	0-3	2
		36	39	21.09	21.25	21.36	0-3	2
		75	0	21.05	21.22	21.38	0-3	2
	256QAM	1	0	18.84	19.09	19.24	0-5	4
		1	36	19.07	19.35	19.33	0-5	4
		1	74	19.17	19.39	19.58	0-5	4
		36	0	18.89	19.15	19.25	0-5	4
		36	18	19.03	19.23	19.27	0-5	4
		36	39	19.10	19.27	19.38	0-5	4
		75	0	19.03	19.24	19.36	0-5	4

LTE Band 4 _ 20 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				20175 Ch. 1732.5 MHz		
20 MHz	QPSK	1	0	23.46	0	0
		1	49	23.62	0	0
		1	99	23.92	0	0
		50	0	23.18	0-1	0
		50	25	23.24	0-1	0
		50	49	23.35	0-1	0
		100	0	23.23	0-1	0
	16QAM	1	0	23.19	0-1	0
		1	49	23.48	0-1	0
		1	99	23.77	0-1	0
		50	0	22.17	0-2	1
		50	25	22.35	0-2	1
		50	49	22.37	0-2	1
		100	0	22.25	0-2	1
	64QAM	1	0	22.13	0-2	1
		1	49	22.34	0-2	1
		1	99	22.53	0-2	1
		50	0	21.19	0-3	2
		50	25	21.17	0-3	2
		50	49	21.39	0-3	2
		100	0	21.26	0-3	2
	256QAM	1	0	19.06	0-5	4
		1	49	19.28	0-5	4
		1	99	19.44	0-5	4
		50	0	19.14	0-5	4
		50	25	19.29	0-5	4
		50	49	19.40	0-5	4
		100	0	19.19	0-5	4

[LTE Band 7 Conducted Power _ Sub 2 Ant. (DSI 0)]

LTE Band 7 _ 5 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20775 Ch. 2502.5 MHz	21100 Ch. 2535 MHz	21425 Ch. 2567.5 MHz		
5 MHz	QPSK	1	0	22.91	23.26	22.81	0	0
		1	12	22.95	23.40	22.92	0	0
		1	24	22.89	23.23	22.74	0	0
		12	0	21.88	22.22	21.85	0-1	0
		12	6	21.87	22.35	21.92	0-1	0
		12	11	21.87	22.21	21.90	0-1	0
		25	0	21.82	22.27	21.83	0-1	0
	16QAM	1	0	22.00	22.44	22.05	0-1	0
		1	12	22.24	22.80	21.99	0-1	0
		1	24	22.22	22.25	22.11	0-1	0
		12	0	20.74	21.29	20.82	0-2	1
		12	6	20.95	21.28	20.95	0-2	1
		12	11	20.94	21.21	20.88	0-2	1
		25	0	20.89	21.21	20.91	0-2	1
	64QAM	1	0	21.34	21.64	21.04	0-2	1
		1	12	21.26	21.45	21.12	0-2	1
		1	24	21.24	21.43	21.01	0-2	1
		12	0	20.08	20.32	19.97	0-3	2
		12	6	20.16	20.28	20.00	0-3	2
		12	11	20.14	20.33	19.91	0-3	2
		25	0	20.08	20.33	19.91	0-3	2
	256QAM	1	0	17.98	18.39	18.03	0-5	4
		1	12	17.93	18.43	17.94	0-5	4
		1	24	17.88	18.22	17.78	0-5	4
		12	0	17.87	18.27	17.87	0-5	4
		12	6	17.94	18.31	17.97	0-5	4
		12	11	17.91	18.24	17.96	0-5	4
		25	0	17.95	18.25	17.88	0-5	4

LTE Band 7 _ 10 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20800 Ch. 2505 MHz	21100 Ch. 2535 MHz	21400 Ch. 2565 MHz		
10 MHz	QPSK	1	0	23.00	23.29	22.91	0	0
		1	24	22.93	23.36	22.92	0	0
		1	49	22.90	23.21	22.91	0	0
		25	0	21.87	22.30	21.93	0-1	0
		25	12	21.92	22.35	21.96	0-1	0
		25	24	21.89	22.23	21.86	0-1	0
		50	0	21.91	22.21	21.92	0-1	0
	16QAM	1	0	22.21	22.40	22.22	0-1	0
		1	24	22.05	22.78	22.20	0-1	0
		1	49	22.21	22.72	21.98	0-1	0
		25	0	20.91	21.25	20.96	0-2	1
		25	12	21.04	21.27	21.00	0-2	1
		25	24	20.98	21.29	20.88	0-2	1
		50	0	20.95	21.25	20.94	0-2	1
	64QAM	1	0	21.07	21.53	21.05	0-2	1
		1	24	21.07	21.42	21.01	0-2	1
		1	49	21.00	21.39	20.88	0-2	1
		25	0	19.87	20.31	19.99	0-3	2
		25	12	19.93	20.28	20.01	0-3	2
		25	24	19.93	20.26	19.87	0-3	2
		50	0	19.94	20.25	19.92	0-3	2
	256QAM	1	0	17.83	18.36	18.09	0-5	4
		1	24	17.89	18.39	18.10	0-5	4
		1	49	18.03	18.21	17.86	0-5	4
		25	0	17.88	18.23	17.91	0-5	4
		25	12	17.91	18.30	17.97	0-5	4
		25	24	17.95	18.32	17.82	0-5	4
		50	0	17.99	18.19	17.98	0-5	4

LTE Band 7 _ 15 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20825 Ch. 2507.5 MHz	21100 Ch. 2535 MHz	21375 Ch. 2562.5 MHz		
15 MHz	QPSK	1	0	22.75	23.05	22.95	0	0
		1	36	22.84	23.19	22.85	0	0
		1	74	22.90	23.00	22.77	0	0
		36	0	21.72	22.13	21.92	0-1	0
		36	18	21.80	22.16	21.80	0-1	0
		36	39	21.74	22.13	21.69	0-1	0
		75	0	21.87	22.07	21.84	0-1	0
	16QAM	1	0	21.88	22.23	21.93	0-1	0
		1	36	22.13	22.32	21.92	0-1	0
		1	74	22.09	22.38	21.79	0-1	0
		36	0	20.72	20.99	20.87	0-2	1
		36	18	20.82	21.15	20.85	0-2	1
		36	39	20.76	21.05	20.73	0-2	1
		75	0	20.88	21.10	20.79	0-2	1
	64QAM	1	0	20.75	21.09	20.92	0-2	1
		1	36	20.85	21.19	21.00	0-2	1
		1	74	20.91	21.29	20.79	0-2	1
		36	0	19.65	20.08	19.84	0-3	2
		36	18	19.77	20.13	19.80	0-3	2
		36	39	19.81	20.09	19.64	0-3	2
		75	0	19.83	20.10	19.91	0-3	2
	256QAM	1	0	17.78	18.15	17.99	0-5	4
		1	36	17.97	18.37	17.75	0-5	4
		1	74	18.09	18.04	17.73	0-5	4
		36	0	17.77	18.15	17.77	0-5	4
		36	18	17.86	18.15	17.77	0-5	4
		36	39	17.80	18.08	17.81	0-5	4
		75	0	17.86	18.01	17.92	0-5	4

LTE Band 7 _ 20 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20850 Ch. 2510 MHz	21100 Ch. 2535 MHz	21350 Ch. 2560 MHz		
20 MHz	QPSK	1	0	22.70	23.14	23.11	0	0
		1	49	22.77	23.08	22.87	0	0
		1	99	22.96	23.18	22.69	0	0
		50	0	21.78	22.15	21.91	0-1	0
		50	25	21.82	22.13	21.88	0-1	0
		50	49	21.91	22.07	21.80	0-1	0
		100	0	21.92	22.17	21.92	0-1	0
	16QAM	1	0	21.88	22.28	22.11	0-1	0
		1	49	21.94	22.43	22.59	0-1	0
		1	99	22.08	22.16	21.70	0-1	0
		50	0	20.78	21.11	20.94	0-2	1
		50	25	20.86	21.12	20.91	0-2	1
		50	49	20.91	21.08	20.73	0-2	1
		100	0	20.83	21.12	20.91	0-2	1
	64QAM	1	0	20.86	21.18	21.10	0-2	1
		1	49	20.91	21.31	21.20	0-2	1
		1	99	21.03	21.24	20.78	0-2	1
		50	0	19.77	20.10	19.93	0-3	2
		50	25	19.86	20.13	19.88	0-3	2
		50	49	19.91	20.17	19.79	0-3	2
		100	0	19.86	20.18	19.90	0-3	2
	256QAM	1	0	17.77	18.13	18.21	0-5	4
		1	49	17.92	18.23	17.76	0-5	4
		1	99	17.96	18.14	17.78	0-5	4
		50	0	17.81	18.12	17.96	0-5	4
		50	25	17.87	18.10	17.99	0-5	4
		50	49	17.81	18.13	17.78	0-5	4
		100	0	17.93	18.13	17.91	0-5	4

[LTE Band 25 Conducted Power _ Sub 2 Ant. (DSI 0)]

LTE Band 25 _ 1.4 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26047 Ch. 1850.7 MHz	26365 Ch. 1882.5 MHz	26683 Ch. 1914.3 MHz		
1.4 MHz	QPSK	1	0	22.79	23.17	23.63	0	0
		1	3	22.80	23.23	23.59	0	0
		1	5	22.91	23.18	23.51	0	0
		3	0	22.81	23.19	23.59	0	0
		3	1	22.77	23.37	23.55	0	0
		3	3	22.83	23.25	23.66	0	0
		6	0	22.76	23.14	23.45	0-1	0
	16QAM	1	0	22.80	23.11	23.70	0-1	0
		1	3	22.99	23.44	23.78	0-1	0
		1	5	22.97	23.51	23.56	0-1	0
		3	0	22.77	23.22	23.65	0-1	1
		3	1	22.84	23.27	23.61	0-1	1
		3	3	22.82	23.21	23.64	0-1	1
		6	0	21.82	22.23	22.52	0-2	1
	64QAM	1	0	21.68	22.23	22.66	0-2	1
		1	3	21.86	22.29	22.60	0-2	1
		1	5	21.72	22.35	22.62	0-2	1
		3	0	21.84	22.08	22.57	0-2	2
		3	1	21.88	22.20	22.56	0-2	2
		3	3	21.81	22.15	22.57	0-2	2
		6	0	20.74	21.11	21.48	0-3	2
	256QAM	1	0	18.75	19.02	19.59	0-5	4
		1	3	18.71	19.15	19.51	0-5	4
		1	5	18.79	19.19	19.60	0-5	4
		3	0	18.72	19.02	19.40	0-5	4
		3	1	18.73	19.07	19.44	0-5	4
		3	3	18.74	19.20	19.46	0-5	4
6		0	18.75	19.06	19.50	0-5	4	

LTE Band 25 _ 3 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26055 Ch. 1851.5 MHz	26365 Ch. 1882.5 MHz	26675Ch. 1913.5 MHz		
3 MHz	QPSK	1	0	22.76	23.03	23.44	0	0
		1	7	22.83	23.22	23.63	0	0
		1	14	22.75	23.22	23.59	0	0
		8	0	22.74	23.07	23.37	0-1	0
		8	3	22.77	23.03	23.54	0-1	0
		8	7	22.76	23.16	23.48	0-1	0
		15	0	22.71	23.21	23.42	0-1	0
	16QAM	1	0	22.76	23.18	23.57	0-1	0
		1	7	23.13	23.44	23.85	0-1	0
		1	14	23.10	23.36	23.67	0-1	0
		8	0	21.76	22.12	22.46	0-2	1
		8	3	21.79	22.16	22.63	0-2	1
		8	7	21.78	22.21	22.54	0-2	1
		15	0	21.80	22.11	22.36	0-2	1
	64QAM	1	0	21.89	22.33	22.56	0-2	1
		1	7	21.91	22.36	22.68	0-2	1
		1	14	21.79	22.32	22.74	0-2	1
		8	0	20.78	21.00	21.46	0-3	2
		8	3	20.80	21.13	21.60	0-3	2
		8	7	20.71	21.08	21.54	0-3	2
		15	0	20.76	21.15	21.46	0-3	2
	256QAM	1	0	18.67	19.06	19.29	0-5	4
		1	7	18.76	19.33	19.53	0-5	4
		1	14	18.72	19.19	19.45	0-5	4
		8	0	18.75	19.01	19.39	0-5	4
		8	3	18.77	19.10	19.55	0-5	4
		8	7	18.76	19.25	19.46	0-5	4
		15	0	18.76	19.15	19.39	0-5	4

LTE Band 25 _ 5 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26065 Ch. 1852.5 MHz	26365 Ch. 1882.5 MHz	26665 Ch. 1912.5 MHz		
5 MHz	QPSK	1	0	22.78	23.10	23.55	0	0
		1	12	22.90	23.25	23.63	0	0
		1	24	22.74	23.22	23.55	0	0
		12	0	22.71	23.04	23.42	0-1	0
		12	6	22.75	23.07	23.44	0-1	0
		12	11	22.76	23.17	23.48	0-1	0
		25	0	22.72	23.07	23.52	0-1	0
	16QAM	1	0	22.93	23.35	23.83	0-1	0
		1	12	23.03	23.57	23.74	0-1	0
		1	24	23.04	23.43	23.72	0-1	0
		12	0	21.72	22.12	22.44	0-2	1
		12	6	21.84	22.12	22.52	0-2	1
		12	11	21.75	22.21	22.55	0-2	1
		25	0	21.74	22.21	22.53	0-2	1
	64QAM	1	0	21.88	22.16	22.56	0-2	1
		1	12	22.00	22.31	22.54	0-2	1
		1	24	21.80	22.30	22.64	0-2	1
		12	0	20.76	21.12	21.39	0-3	2
		12	6	20.76	21.14	21.51	0-3	2
		12	11	20.81	21.17	21.54	0-3	2
		25	0	20.66	21.24	21.45	0-3	2
	256QAM	1	0	18.85	18.95	19.48	0-5	4
		1	12	19.03	19.36	19.53	0-5	4
		1	24	18.85	19.19	19.59	0-5	4
		12	0	18.69	19.04	19.39	0-5	4
		12	6	18.76	19.04	19.49	0-5	4
		12	11	18.74	19.18	19.47	0-5	4
		25	0	18.73	19.16	19.44	0-5	4

LTE Band 25 _ 10 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26090 Ch. 1855 MHz	26365 Ch. 1882.5 MHz	26640 Ch. 1910 MHz		
10 MHz	QPSK	1	0	22.83	23.24	23.41	0	0
		1	24	22.83	23.26	23.55	0	0
		1	49	22.81	23.32	23.53	0	0
		25	0	22.69	23.06	23.38	0-1	0
		25	12	22.77	23.12	23.54	0-1	0
		25	24	22.74	23.30	23.47	0-1	0
	16QAM	50	0	22.82	23.14	23.49	0-1	0
		1	0	22.94	23.33	23.58	0-1	0
		1	24	22.86	23.30	23.67	0-1	0
		1	49	23.05	23.48	23.67	0-1	0
		25	0	21.72	22.09	22.42	0-2	1
		25	12	21.81	22.06	22.54	0-2	1
	64QAM	25	24	21.80	22.20	22.52	0-2	1
		50	0	21.78	22.16	22.51	0-2	1
		1	0	21.84	22.16	22.73	0-2	1
		1	24	21.74	22.26	22.66	0-2	1
		1	49	21.81	22.14	22.73	0-2	1
		25	0	20.73	20.99	21.37	0-3	2
	256QAM	25	12	20.79	21.18	21.50	0-3	2
		25	24	20.78	21.10	21.52	0-3	2
		50	0	20.76	21.10	21.48	0-3	2
		1	0	18.89	19.14	19.36	0-5	4
		1	24	18.76	19.25	19.50	0-5	4
		1	49	18.84	19.21	19.44	0-5	4
	25	0	18.73	19.05	19.35	0-5	4	
	25	12	18.79	19.00	19.46	0-5	4	
	25	24	18.82	19.16	19.39	0-5	4	
	50	0	18.75	19.13	19.46	0-5	4	

LTE Band 25 _ 15 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26115 Ch. 1857.5 MHz	26365 Ch. 1882.5 MHz	26615 Ch. 1907.5 MHz		
15 MHz	QPSK	1	0	22.58	23.33	23.26	0	0
		1	36	22.68	22.98	23.47	0	0
		1	74	22.76	23.19	23.39	0	0
		36	0	22.42	22.87	23.18	0-1	0
		36	18	22.61	22.90	23.25	0-1	0
		36	39	22.56	23.05	23.32	0-1	0
		75	0	22.59	22.98	23.32	0-1	0
	16QAM	1	0	22.61	22.87	23.50	0-1	0
		1	36	22.85	23.18	23.28	0-1	0
		1	74	22.88	23.17	23.90	0-1	0
		36	0	21.52	21.96	22.29	0-2	1
		36	18	21.61	21.93	22.23	0-2	1
		36	39	21.67	22.13	22.26	0-2	1
		75	0	21.70	21.98	22.34	0-2	1
	64QAM	1	0	21.41	21.96	22.20	0-2	1
		1	36	21.55	22.11	22.53	0-2	1
		1	74	21.98	22.08	22.42	0-2	1
		36	0	20.61	20.88	21.21	0-3	2
		36	18	20.60	21.01	21.23	0-3	2
		36	39	20.63	21.06	21.27	0-3	2
		75	0	20.62	21.01	21.28	0-3	2
	256QAM	1	0	18.63	18.75	19.20	0-5	4
		1	36	18.55	19.16	19.41	0-5	4
		1	74	18.84	19.13	19.60	0-5	4
		36	0	18.45	18.90	19.19	0-5	4
		36	18	18.58	18.94	19.20	0-5	4
		36	39	18.55	19.00	19.25	0-5	4
75		0	18.65	18.98	19.33	0-5	4	

LTE Band 25 _ 20 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26140 Ch. 1860 MHz	26365 Ch. 1882.5 MHz	26590 Ch. 1905 MHz		
20 MHz	QPSK	1	0	22.81	22.97	23.57	0	0
		1	49	22.67	23.05	23.27	0	0
		1	99	22.76	23.21	23.45	0	0
		50	0	22.50	22.94	23.10	0-1	0
		50	25	22.66	23.08	23.17	0-1	0
		50	49	22.76	23.05	23.30	0-1	0
		100	0	22.69	23.03	23.24	0-1	0
	16QAM	1	0	22.80	23.19	23.38	0-1	0
		1	49	22.74	23.27	23.30	0-1	0
		1	99	22.90	23.26	23.43	0-1	0
		50	0	21.60	21.89	22.23	0-2	1
		50	25	21.72	21.99	22.23	0-2	1
		50	49	21.72	22.10	22.36	0-2	1
		100	0	21.70	21.96	22.20	0-2	1
	64QAM	1	0	21.95	22.05	22.23	0-2	1
		1	49	21.48	22.07	22.33	0-2	1
		1	99	21.89	22.26	22.49	0-2	1
		50	0	20.55	20.94	21.23	0-3	2
		50	25	20.65	21.01	21.15	0-3	2
		50	49	20.67	21.03	21.25	0-3	2
		100	0	20.73	21.01	21.26	0-3	2
	256QAM	1	0	18.66	18.93	19.12	0-5	4
		1	49	18.57	19.00	19.25	0-5	4
		1	99	18.91	19.29	19.31	0-5	4
		50	0	18.48	18.91	19.12	0-5	4
		50	25	18.68	19.01	19.29	0-5	4
		50	49	18.69	19.07	19.34	0-5	4
		100	0	18.63	19.04	19.25	0-5	4

[LTE Band 30 Conducted Power _ Sub 2 Ant. (DSI 0)]

LTE Band 30 _ 5 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				27710 Ch. 2310 MHz		
5 MHz	QPSK	1	0	22.68	0	0
		1	12	22.69	0	0
		1	24	22.74	0	0
		12	0	21.66	0-1	0
		12	6	21.57	0-1	0
		12	11	21.66	0-1	0
	16QAM	25	0	21.62	0-1	0
		1	0	21.85	0-1	0
		1	12	21.90	0-1	0
		1	24	21.78	0-1	0
		12	0	20.76	0-2	1
		12	6	20.66	0-2	1
	64QAM	12	11	20.62	0-2	1
		25	0	20.55	0-2	1
		1	0	20.85	0-2	1
		1	12	20.90	0-2	1
		1	24	20.85	0-2	1
		12	0	19.65	0-3	2
	256QAM	12	6	19.65	0-3	2
		12	11	19.64	0-3	2
		25	0	19.62	0-3	2
		1	0	17.73	0-5	4
		1	12	17.80	0-5	4
		1	24	17.60	0-5	4
		12	0	17.65	0-5	4
		12	6	17.65	0-5	4
		12	11	17.54	0-5	4
		25	0	17.52	0-5	4

LTE Band 30 _ 10 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				27710 Ch. 2310 MHz		
10 MHz	QPSK	1	0	22.64	0	0
		1	24	22.72	0	0
		1	49	22.56	0	0
		25	0	21.65	0-1	0
		25	12	21.64	0-1	0
		25	24	21.59	0-1	0
		50	0	21.57	0-1	0
	16QAM	1	0	22.01	0-1	0
		1	24	21.87	0-1	0
		1	49	21.84	0-1	0
		25	0	20.75	0-2	1
		25	12	20.66	0-2	1
		25	24	20.67	0-2	1
		50	0	20.69	0-2	1
	64QAM	1	0	20.88	0-2	1
		1	24	20.85	0-2	1
		1	49	20.79	0-2	1
		25	0	19.73	0-3	2
		25	12	19.66	0-3	2
		25	24	19.61	0-3	2
		50	0	19.68	0-3	2
	256QAM	1	0	17.70	0-5	4
		1	24	17.78	0-5	4
		1	49	17.54	0-5	4
		25	0	17.58	0-5	4
		25	12	17.57	0-5	4
		25	24	17.56	0-5	4
		50	0	17.62	0-5	4

[LTE Band 66 Conducted Power _ Sub 2 Ant. (DSI 0)]

LTE Band 66 _ 1.4 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131979Ch. 1710.7 MHz	132322 Ch. 1745 MHz	132665 Ch. 1779.3 MHz		
1.4 MHz	QPSK	1	0	23.43	23.83	23.93	0	0
		1	3	23.40	23.95	24.07	0	0
		1	5	23.37	23.92	23.92	0	0
		3	0	23.40	23.84	23.92	0	0
		3	1	23.50	23.95	24.01	0	0
		3	3	23.51	23.92	23.99	0	0
	16QAM	6	0	23.02	23.44	23.53	0-1	0
		1	0	23.30	24.22	23.84	0-1	0
		1	3	23.31	23.82	23.95	0-1	0
		1	5	23.37	23.90	23.64	0-1	0
		3	0	23.15	23.58	23.71	0-1	1
		3	1	23.30	23.71	23.64	0-1	1
	64QAM	3	3	23.22	23.81	23.80	0-1	1
		6	0	22.14	22.56	22.62	0-2	1
		1	0	22.18	22.69	22.72	0-2	1
		1	3	22.25	22.71	22.87	0-2	1
		1	5	22.17	22.69	22.62	0-2	1
		3	0	22.12	22.50	22.74	0-2	2
	256QAM	3	1	22.19	22.70	22.72	0-2	2
		3	3	22.11	22.68	22.63	0-2	2
		6	0	21.12	21.43	21.57	0-3	2
		1	0	19.10	19.46	19.61	0-5	4
		1	3	19.20	19.58	19.64	0-5	4
		1	5	19.03	19.53	19.72	0-5	4
		3	0	19.04	19.47	19.54	0-5	4
		3	1	19.06	19.62	19.58	0-5	4
		3	3	19.07	19.56	19.71	0-5	4
		6	0	19.02	19.42	19.48	0-5	4

LTE Band 66 _ 3 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131987 Ch. 1711.5 MHz	132322 Ch. 1745 MHz	132657 Ch. 1778.5 MHz		
3 MHz	QPSK	1	0	23.36	23.84	24.00	0	0
		1	7	23.47	24.02	24.04	0	0
		1	14	23.45	23.96	24.03	0	0
		8	0	23.05	23.49	23.65	0-1	0
		8	3	23.10	23.53	23.66	0-1	0
		8	7	23.11	23.59	23.57	0-1	0
		15	0	23.06	23.50	23.66	0-1	0
	16QAM	1	0	23.27	23.78	23.81	0-1	0
		1	7	23.36	23.66	23.82	0-1	0
		1	14	23.33	23.81	23.89	0-1	0
		8	0	22.19	22.56	22.64	0-2	1
		8	3	22.13	22.59	22.65	0-2	1
		8	7	22.18	22.58	22.65	0-2	1
		15	0	22.09	22.46	22.66	0-2	1
	64QAM	1	0	22.16	22.54	22.84	0-2	1
		1	7	22.17	22.80	22.79	0-2	1
		1	14	22.20	22.65	22.64	0-2	1
		8	0	21.10	21.55	21.58	0-3	2
		8	3	21.17	21.55	21.71	0-3	2
		8	7	21.12	21.59	21.67	0-3	2
		15	0	21.14	21.53	21.66	0-3	2
	256QAM	1	0	19.06	19.47	19.61	0-5	4
		1	7	19.10	19.56	19.65	0-5	4
		1	14	19.01	19.48	19.60	0-5	4
		8	0	19.08	19.47	19.58	0-5	4
		8	3	19.07	19.52	19.63	0-5	4
		8	7	19.06	19.52	19.60	0-5	4
		15	0	19.11	19.39	19.58	0-5	4

LTE Band 66 _ 5 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131997 Ch. 1712.5 MHz	132322Ch. 1745 MHz	132647 Ch. 1777.5 MHz		
5 MHz	QPSK	1	0	23.40	23.81	23.92	0	0
		1	12	23.61	24.04	23.99	0	0
		1	24	23.49	23.92	23.88	0	0
		12	0	23.06	23.45	23.64	0-1	0
		12	6	23.12	23.54	23.69	0-1	0
		12	11	23.13	23.54	23.66	0-1	0
		25	0	23.11	23.53	23.60	0-1	0
	16QAM	1	0	23.32	23.65	23.84	0-1	0
		1	12	23.41	23.74	23.83	0-1	0
		1	24	23.38	23.71	23.94	0-1	0
		12	0	22.00	22.53	22.66	0-2	1
		12	6	22.18	22.61	22.65	0-2	1
		12	11	22.19	22.61	22.66	0-2	1
		25	0	22.17	22.47	22.68	0-2	1
	64QAM	1	0	22.09	22.72	22.77	0-2	1
		1	12	22.33	22.85	22.73	0-2	1
		1	24	22.22	22.74	22.76	0-2	1
		12	0	21.10	21.47	21.60	0-3	2
		12	6	21.09	21.57	21.61	0-3	2
		12	11	21.23	21.59	21.62	0-3	2
		25	0	21.12	21.49	21.60	0-3	2
	256QAM	1	0	18.91	19.38	19.56	0-5	4
		1	12	19.20	19.66	19.76	0-5	4
		1	24	19.11	19.68	19.63	0-5	4
		12	0	19.04	19.46	19.46	0-5	4
		12	6	19.13	19.45	19.65	0-5	4
		12	11	19.14	19.51	19.61	0-5	4
		25	0	19.09	19.46	19.58	0-5	4

LTE Band 66 _ 10 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132022 Ch. 1715 MHz	132322 Ch. 1745 MHz	132622 Ch. 1775 MHz		
10 MHz	QPSK	1	0	23.51	23.84	23.98	0	0
		1	24	23.55	24.01	24.04	0	0
		1	49	23.60	23.89	24.01	0	0
		25	0	23.02	23.48	23.66	0-1	0
		25	12	23.22	23.60	23.66	0-1	0
		25	24	23.25	23.65	23.61	0-1	0
	16QAM	50	0	23.18	23.48	23.63	0-1	0
		1	0	23.35	23.53	23.81	0-1	0
		1	24	23.39	23.80	23.79	0-1	0
		1	49	23.43	23.78	23.98	0-1	0
		25	0	22.02	22.53	22.59	0-2	1
		25	12	22.19	22.57	22.70	0-2	1
	64QAM	25	24	22.20	22.64	22.66	0-2	1
		50	0	22.23	22.53	22.65	0-2	1
		1	0	22.19	22.77	22.74	0-2	1
		1	24	22.31	22.85	22.68	0-2	1
		1	49	22.24	22.68	22.83	0-2	1
		25	0	21.14	21.53	21.63	0-3	2
	256QAM	25	12	21.21	21.61	21.64	0-3	2
		25	24	21.22	21.65	21.64	0-3	2
		50	0	21.12	21.45	21.65	0-3	2
		1	0	18.97	19.48	19.34	0-5	4
		1	24	19.21	19.61	19.57	0-5	4
		1	49	19.24	19.60	19.54	0-5	4
		25	0	19.06	19.44	19.54	0-5	4
		25	12	19.13	19.47	19.58	0-5	4
		25	24	19.13	19.55	19.57	0-5	4
		50	0	19.16	19.40	19.51	0-5	4

LTE Band 66 _ 15 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132047 Ch. 1717.5 MHz	132322 Ch. 1745 MHz	132597 Ch. 1772.5 MHz		
15 MHz	QPSK	1	0	23.28	23.73	23.94	0	0
		1	36	23.48	23.84	23.91	0	0
		1	74	23.64	23.88	23.87	0	0
		36	0	22.97	23.30	23.46	0-1	1
		36	18	23.06	23.37	23.49	0-1	1
		36	39	23.18	23.37	23.50	0-1	1
		75	0	23.05	23.34	23.45	0-1	1
	16QAM	1	0	23.10	23.57	23.49	0-1	1
		1	36	23.18	23.67	23.73	0-1	1
		1	74	23.48	23.80	23.50	0-1	1
		36	0	21.95	22.32	22.46	0-2	2
		36	18	22.06	22.45	22.51	0-2	2
		36	39	22.13	22.42	22.56	0-2	2
		75	0	22.08	22.35	22.46	0-2	2
	64QAM	1	0	21.90	22.51	22.49	0-2	2
		1	36	22.23	22.45	22.57	0-2	2
		1	74	22.39	22.73	22.60	0-2	2
		36	0	20.89	21.34	21.43	0-3	3
		36	18	21.08	21.39	21.42	0-3	3
		36	39	21.12	21.49	21.48	0-3	3
		75	0	21.03	21.36	21.41	0-3	3
	256QAM	1	0	18.92	19.09	19.45	0-5	5
		1	36	19.16	19.38	19.58	0-5	5
		1	74	19.21	19.53	19.49	0-5	5
		36	0	18.88	19.28	19.43	0-5	5
		36	18	19.03	19.21	19.41	0-5	5
		36	39	19.06	19.31	19.47	0-5	5
		75	0	19.03	19.28	19.46	0-5	5

LTE Band 66 _ 20 MHz Bandwidth _ Maximum Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132072 Ch. 1720 MHz	132322 Ch. 1745 MHz	132572 Ch. 1770 MHz		
20 MHz	QPSK	1	0	23.27	23.67	23.67	0	0
		1	49	23.37	23.92	23.80	0	0
		1	99	23.77	23.99	24.00	0	0
		50	0	22.96	23.37	23.42	0-1	0
		50	25	23.12	23.38	23.46	0-1	0
		50	49	23.21	23.36	23.48	0-1	0
		100	0	23.06	23.33	23.47	0-1	0
	16QAM	1	0	23.00	23.58	23.52	0-1	0
		1	49	23.33	23.52	23.69	0-1	0
		1	99	23.57	23.63	23.47	0-1	0
		50	0	21.97	22.37	22.46	0-2	1
		50	25	22.14	22.43	22.50	0-2	1
		50	49	22.17	22.43	22.52	0-2	1
		100	0	22.10	22.33	22.51	0-2	1
	64QAM	1	0	21.88	22.30	22.60	0-2	1
		1	49	22.19	22.50	22.78	0-2	1
		1	99	22.35	22.76	22.63	0-2	1
		50	0	21.01	21.30	21.45	0-3	2
		50	25	21.09	21.43	21.52	0-3	2
		50	49	21.11	21.41	21.52	0-3	2
		100	0	21.11	21.32	21.53	0-3	2
	256QAM	1	0	18.91	19.33	19.37	0-5	4
		1	49	19.02	19.49	19.35	0-5	4
		1	99	19.31	19.61	19.49	0-5	4
		50	0	18.86	19.30	19.44	0-5	4
		50	25	19.06	19.32	19.45	0-5	4
		50	49	19.18	19.39	19.49	0-5	4
		100	0	18.99	19.32	19.38	0-5	4

11.2.4 LTE Reduced Conducted Power (Grip activated) (Sub 2 Ant.)

[LTE Band 2 Conducted Power _ Sub 2 Ant. (DSI 1)]

LTE Band 2 _ 1.4 MHz Bandwidth _ Grip Backoff Conducted Power _ Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18607 Ch. 1850.7 MHz	18900 Ch. 1880 MHz	19193 Ch. 1909.3 MHz		
1.4 MHz	QPSK	1	0	12.79	13.06	13.64	0	0
		1	3	12.89	13.22	13.56	0	0
		1	5	12.77	13.26	13.59	0	0
		3	0	12.82	13.25	13.62	0	0
		3	1	12.79	13.15	13.68	0	0
		3	3	12.79	13.17	13.63	0	0
		6	0	12.82	13.19	13.67	0-1	0
	16QAM	1	0	13.24	13.40	13.77	0-1	0
		1	3	13.10	13.59	13.83	0-1	0
		1	5	13.01	13.32	13.81	0-1	0
		3	0	13.03	13.34	13.72	0-1	0
		3	1	12.96	13.31	13.83	0-1	0
		3	3	12.91	13.23	13.78	0-1	0
		6	0	12.83	13.18	13.67	0-2	0
	64QAM	1	0	13.09	13.33	13.75	0-2	0
		1	3	12.99	13.28	13.79	0-2	0
		1	5	12.95	13.30	13.83	0-2	0
		3	0	12.98	13.23	13.68	0-2	0
		3	1	12.95	13.24	13.71	0-2	0
		3	3	12.94	13.18	13.76	0-2	0
		6	0	12.90	13.26	13.62	0-3	0
	256QAM	1	0	12.86	13.21	13.74	0-5	0
		1	3	12.81	13.31	13.74	0-5	0
		1	5	12.83	13.23	13.77	0-5	0
		3	0	12.90	13.20	13.72	0-5	0
		3	1	12.76	13.33	13.68	0-5	0
		3	3	12.96	13.31	13.75	0-5	0
		6	0	12.90	13.17	13.69	0-5	0

LTE Band 2_ 3 MHz Bandwidth_ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18615 Ch. 1851.5 MHz	18900 Ch. 1880 MHz	19185 Ch. 1908.5 MHz		
3 MHz	QPSK	1	0	12.82	13.19	13.54	0	0
		1	7	12.81	13.27	13.59	0	0
		1	14	12.76	13.18	13.61	0	0
		8	0	12.86	13.21	13.59	0-1	0
		8	3	12.88	13.17	13.57	0-1	0
		8	7	12.87	13.20	13.62	0-1	0
		15	0	12.86	13.26	13.57	0-1	0
	16QAM	1	0	13.05	13.30	13.77	0-1	0
		1	7	13.17	13.40	13.91	0-1	0
		1	14	12.99	13.40	13.92	0-1	0
		8	0	12.88	13.23	13.64	0-2	0
		8	3	12.87	13.17	13.64	0-2	0
		8	7	12.91	13.26	13.75	0-2	0
		15	0	12.88	13.22	13.66	0-2	0
	64QAM	1	0	13.01	13.24	13.63	0-2	0
		1	7	13.06	13.33	13.74	0-2	0
		1	14	12.91	13.23	13.65	0-2	0
		8	0	12.92	13.15	13.65	0-3	0
		8	3	12.94	13.18	13.64	0-3	0
		8	7	12.88	13.23	13.68	0-3	0
		15	0	12.89	13.24	13.59	0-3	0
	256QAM	1	0	12.95	13.22	13.56	0-5	0
		1	7	13.13	13.42	13.84	0-5	0
		1	14	12.97	13.20	13.65	0-5	0
		8	0	12.84	13.14	13.64	0-5	0
		8	3	12.85	13.17	13.65	0-5	0
		8	7	12.85	13.25	13.72	0-5	0
		15	0	12.83	13.20	13.66	0-5	0

LTE Band 2 _ 5 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18625 Ch. 1852.5 MHz	18900 Ch. 1880 MHz	19175 Ch. 1907.5 MHz		
5 MHz	QPSK	1	0	12.70	13.17	13.54	0	0
		1	12	12.90	13.40	13.60	0	0
		1	24	12.80	13.20	13.60	0	0
		12	0	12.81	13.11	13.63	0-1	0
		12	6	12.89	13.19	13.63	0-1	0
		12	11	12.84	13.22	13.66	0-1	0
		25	0	12.90	13.22	13.57	0-1	0
	16QAM	1	0	12.98	13.50	13.72	0-1	0
		1	12	13.21	13.55	13.91	0-1	0
		1	24	13.14	13.39	13.77	0-1	0
		12	0	12.90	13.21	13.65	0-2	0
		12	6	12.89	13.21	13.70	0-2	0
		12	11	12.89	13.29	13.82	0-2	0
		25	0	12.91	13.26	13.66	0-2	0
	64QAM	1	0	13.02	13.32	13.73	0-2	0
		1	12	13.12	13.37	13.73	0-2	0
		1	24	12.91	13.32	13.85	0-2	0
		12	0	12.89	13.16	13.64	0-3	0
		12	6	12.93	13.22	13.66	0-3	0
		12	11	12.93	13.28	13.66	0-3	0
		25	0	12.93	13.24	13.65	0-3	0
	256QAM	1	0	12.89	13.15	13.62	0-5	0
		1	12	13.06	13.23	13.77	0-5	0
		1	24	12.81	13.39	13.66	0-5	0
		12	0	12.89	13.17	13.60	0-5	0
		12	6	12.83	13.19	13.60	0-5	0
		12	11	12.85	13.25	13.72	0-5	0
		25	0	12.88	13.25	13.61	0-5	0

LTE Band 2 _ 10 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18650 Ch. 1855 MHz	18900 Ch. 1880 MHz	19150 Ch. 1905 MHz		
10 MHz	QPSK	1	0	12.77	13.23	13.64	0	0
		1	24	12.84	13.23	13.68	0	0
		1	49	12.83	13.24	13.68	0	0
		25	0	12.81	13.12	13.53	0-1	0
		25	12	12.88	13.27	13.69	0-1	0
		25	24	12.92	13.25	13.62	0-1	0
		50	0	12.87	13.24	13.63	0-1	0
	16QAM	1	0	13.06	13.29	13.87	0-1	0
		1	24	13.02	13.36	13.83	0-1	0
		1	49	13.02	13.49	13.91	0-1	0
		25	0	12.92	13.16	13.56	0-2	0
		25	12	12.88	13.32	13.71	0-2	0
		25	24	12.88	13.30	13.63	0-2	0
		50	0	12.86	13.25	13.66	0-2	0
	64QAM	1	0	13.00	13.46	13.83	0-2	0
		1	24	13.05	13.42	13.87	0-2	0
		1	49	12.96	13.31	13.66	0-2	0
		25	0	12.82	13.18	13.55	0-3	0
		25	12	12.89	13.28	13.62	0-3	0
		25	24	12.91	13.27	13.70	0-3	0
		50	0	12.87	13.27	13.64	0-3	0
	256QAM	1	0	12.85	13.16	13.61	0-5	0
		1	24	12.94	13.30	13.79	0-5	0
		1	49	12.96	13.24	13.65	0-5	0
		25	0	12.87	13.18	13.61	0-5	0
		25	12	12.92	13.28	13.68	0-5	0
		25	24	12.87	13.26	13.64	0-5	0
		50	0	12.88	13.25	13.64	0-5	0

LTE Band 2 _ 15 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18675 Ch. 1857.5 MHz	18900 Ch. 1880 MHz	19125 Ch. 1902.5 MHz		
15 MHz	QPSK	1	0	12.78	12.89	13.35	0	0
		1	36	12.71	12.93	13.48	0	0
		1	74	12.93	13.13	13.51	0	0
		36	0	12.69	12.99	13.39	0-1	0
		36	18	12.71	12.97	13.49	0-1	0
		36	39	12.77	13.17	13.54	0-1	0
		75	0	12.80	13.09	13.48	0-1	0
	16QAM	1	0	12.76	13.19	13.40	0-1	0
		1	36	12.89	13.13	13.60	0-1	0
		1	74	13.02	13.17	13.58	0-1	0
		36	0	12.67	13.09	13.34	0-2	0
		36	18	12.80	13.03	13.40	0-2	0
		36	39	12.72	13.14	13.50	0-2	0
		75	0	12.77	13.10	13.49	0-2	0
	64QAM	1	0	12.69	13.04	13.39	0-2	0
		1	36	12.62	13.09	13.45	0-2	0
		1	74	13.01	13.31	13.52	0-2	0
		36	0	12.66	13.02	13.30	0-3	0
		36	18	12.74	13.00	13.40	0-3	0
		36	39	12.69	13.20	13.50	0-3	0
		75	0	12.73	13.12	13.42	0-3	0
	256QAM	1	0	12.59	13.01	13.41	0-5	0
		1	36	12.77	13.20	13.46	0-5	0
		1	74	12.99	13.30	13.70	0-5	0
		36	0	12.62	13.02	13.37	0-5	0
		36	18	12.77	12.96	13.36	0-5	0
		36	39	12.85	13.18	13.49	0-5	0
		75	0	12.74	13.10	13.54	0-5	0

LTE Band 2 _ 20 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18700 Ch. 1860 MHz	18900 Ch. 1880 MHz	19100 Ch. 1900 MHz		
20 MHz	QPSK	1	0	13.01	12.89	13.18	0	0
		1	49	12.83	13.14	13.51	0	0
		1	99	12.86	13.20	13.54	0	0
		50	0	12.66	13.01	13.38	0-1	0
		50	25	12.78	13.13	13.43	0-1	0
		50	49	12.88	13.18	13.49	0-1	0
		100	0	12.73	13.12	13.33	0-1	0
	16QAM	1	0	12.74	13.10	13.65	0-1	0
		1	49	12.85	13.46	13.43	0-1	0
		1	99	13.13	13.35	13.68	0-1	0
		50	0	12.74	13.02	13.33	0-2	0
		50	25	12.76	13.11	13.44	0-2	0
		50	49	12.87	13.13	13.53	0-2	0
		100	0	12.74	13.12	13.38	0-2	0
	64QAM	1	0	12.63	12.91	13.48	0-2	0
		1	49	13.01	13.21	13.52	0-2	0
		1	99	12.88	13.46	13.62	0-2	0
		50	0	12.63	13.08	13.44	0-3	0
		50	25	12.73	13.22	13.37	0-3	0
		50	49	12.81	13.17	13.51	0-3	0
		100	0	12.80	13.14	13.40	0-3	0
	256QAM	1	0	12.73	13.08	13.38	0-5	0
		1	49	12.95	13.18	13.44	0-5	0
		1	99	13.03	13.39	13.77	0-5	0
		50	0	12.64	12.97	13.33	0-5	0
		50	25	12.88	13.09	13.37	0-5	0
		50	49	12.86	13.18	13.55	0-5	0
		100	0	12.75	13.12	13.28	0-5	0

[LTE Band 4 Conducted Power _ Sub 2 Ant. (DSI 1)]

LTE Band 4 _ 1.4 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				19957 Ch. 1710.7 MHz	20175 Ch. 1732.5 MHz	20393 Ch. 1754.3 MHz		
1.4 MHz	QPSK	1	0	13.76	14.28	14.35	0	0
		1	3	13.89	14.18	14.35	0	0
		1	5	13.81	14.68	14.29	0	0
		3	0	13.78	14.23	14.35	0	0
		3	1	13.85	13.46	14.27	0	0
		3	3	13.81	14.22	14.27	0	0
		6	0	13.77	13.89	14.32	0-1	0
	16QAM	1	0	14.03	14.37	14.40	0-1	0
		1	3	14.02	14.39	14.76	0-1	0
		1	5	14.05	14.45	14.50	0-1	0
		3	0	13.98	14.38	14.50	0-1	0
		3	1	14.00	14.36	14.30	0-1	0
		3	3	13.90	14.34	14.36	0-1	0
		6	0	13.87	14.18	14.37	0-2	0
	64QAM	1	0	13.94	14.30	14.55	0-2	0
		1	3	14.18	14.25	14.49	0-2	0
		1	5	14.02	14.25	14.57	0-2	0
		3	0	13.95	14.27	14.38	0-2	0
		3	1	13.91	14.34	14.38	0-2	0
		3	3	13.97	14.30	14.40	0-2	0
		6	0	13.87	14.16	14.36	0-3	0
	256QAM	1	0	13.89	14.20	14.37	0-5	0
		1	3	14.01	14.26	14.44	0-5	0
		1	5	13.98	14.35	14.43	0-5	0
		3	0	13.86	14.17	14.37	0-5	0
		3	1	13.90	14.35	14.42	0-5	0
		3	3	13.94	14.29	14.38	0-5	0
		6	0	13.92	14.19	14.32	0-5	0

LTE Band 4 _ 3 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				19965 Ch. 1711.5 MHz	20175 Ch. 1732.5 MHz	20385 Ch. 1753.5 MHz		
3 MHz	QPSK	1	0	13.68	14.11	14.23	0	0
		1	7	13.91	14.26	14.33	0	0
		1	14	13.81	14.17	14.31	0	0
		8	0	13.86	14.14	14.24	0-1	0
		8	3	13.88	14.16	14.25	0-1	0
		8	7	13.95	14.23	14.34	0-1	0
		15	0	13.89	14.15	14.26	0-1	0
	16QAM	1	0	14.07	14.34	14.36	0-1	0
		1	7	14.14	14.36	14.70	0-1	0
		1	14	14.04	14.37	14.50	0-1	0
		8	0	13.85	14.23	14.29	0-2	0
		8	3	13.88	14.24	14.36	0-2	0
		8	7	13.94	14.30	14.39	0-2	0
		15	0	13.95	14.21	14.30	0-2	0
	64QAM	1	0	13.87	14.24	14.45	0-2	0
		1	7	14.01	14.47	14.44	0-2	0
		1	14	14.11	14.30	14.40	0-2	0
		8	0	13.95	14.21	14.29	0-3	0
		8	3	13.87	14.25	14.35	0-3	0
		8	7	13.91	14.34	14.39	0-3	0
		15	0	13.86	14.20	14.36	0-3	0
	256QAM	1	0	13.81	14.26	14.39	0-5	0
		1	7	14.08	14.27	14.45	0-5	0
		1	14	13.93	14.34	14.37	0-5	0
		8	0	13.89	14.20	14.28	0-5	0
		8	3	13.93	14.23	14.31	0-5	0
		8	7	13.89	14.31	14.39	0-5	0
		15	0	13.88	14.14	14.34	0-5	0

LTE Band 4 _ 5 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				19975 Ch. 1712.5 MHz	20175 Ch. 1732.5 MHz	20375 Ch. 1752.5 MHz		
5 MHz	QPSK	1	0	13.76	14.10	14.24	0	0
		1	12	13.91	14.20	14.41	0	0
		1	24	13.74	14.23	14.33	0	0
		12	0	13.78	14.17	14.28	0-1	0
		12	6	13.94	14.18	14.36	0-1	0
		12	11	13.95	14.22	14.33	0-1	0
		25	0	13.94	14.21	14.33	0-1	0
	16QAM	1	0	13.81	14.38	14.46	0-1	0
		1	12	14.12	14.43	14.53	0-1	0
		1	24	14.03	14.39	14.61	0-1	0
		12	0	13.81	14.23	14.25	0-2	0
		12	6	13.95	14.20	14.40	0-2	0
		12	11	13.98	14.27	14.34	0-2	0
		25	0	13.87	14.17	14.34	0-2	0
	64QAM	1	0	13.82	14.36	14.36	0-2	0
		1	12	14.06	14.44	14.48	0-2	0
		1	24	14.01	14.30	14.54	0-2	0
		12	0	13.87	14.15	14.26	0-3	0
		12	6	14.01	14.20	14.36	0-3	0
		12	11	13.93	14.32	14.35	0-3	0
		25	0	13.91	14.18	14.36	0-3	0
	256QAM	1	0	14.04	14.26	14.41	0-5	0
		1	12	13.94	14.46	14.48	0-5	0
		1	24	13.89	14.32	14.45	0-5	0
		12	0	13.84	14.22	14.30	0-5	0
		12	6	13.91	14.26	14.45	0-5	0
		12	11	13.99	14.33	14.39	0-5	0
		25	0	13.91	14.20	14.33	0-5	0

LTE Band 4 _ 10 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20000 Ch. 1715 MHz	20175 Ch. 1732.5 MHz	20350 Ch. 1750 MHz		
10 MHz	QPSK	1	0	13.86	14.16	14.25	0	0
		1	24	13.94	14.22	14.30	0	0
		1	49	13.90	14.23	14.34	0	0
		25	0	13.83	14.11	14.24	0-1	0
		25	12	13.97	14.19	14.38	0-1	0
		25	24	13.99	14.25	14.31	0-1	0
		50	0	13.96	14.17	14.38	0-1	0
	16QAM	1	0	13.87	14.36	14.68	0-1	0
		1	24	14.08	14.43	14.52	0-1	0
		1	49	14.35	14.49	14.35	0-1	0
		25	0	13.84	14.12	14.25	0-2	0
		25	12	13.95	14.23	14.34	0-2	0
		25	24	13.96	14.30	14.43	0-2	0
		50	0	13.92	14.20	14.32	0-2	0
	64QAM	1	0	14.12	14.15	14.40	0-2	0
		1	24	14.18	14.54	14.49	0-2	0
		1	49	14.11	14.54	14.47	0-2	0
		25	0	13.84	14.11	14.29	0-3	0
		25	12	13.97	14.24	14.36	0-3	0
		25	24	13.91	14.24	14.33	0-3	0
		50	0	13.99	14.24	14.33	0-3	0
	256QAM	1	0	13.90	14.25	14.30	0-5	0
		1	24	14.06	14.33	14.44	0-5	0
		1	49	14.01	14.36	14.54	0-5	0
		25	0	13.85	14.18	14.26	0-5	0
		25	12	13.95	14.25	14.37	0-5	0
		25	24	14.00	14.27	14.44	0-5	0
		50	0	14.03	14.19	14.30	0-5	0

LTE Band 4 _ 15 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20025 Ch. 1717.5 MHz	20175 Ch. 1732.5 MHz	20325 Ch. 1747.5 MHz		
15 MHz	QPSK	1	0	13.74	14.04	14.19	0	0
		1	36	13.92	14.09	14.23	0	0
		1	74	14.09	14.27	14.27	0	0
		36	0	13.69	14.02	14.06	0-1	0
		36	18	13.89	13.98	14.18	0-1	0
		36	39	13.88	14.12	14.22	0-1	0
		75	0	13.86	14.05	14.20	0-1	0
	16QAM	1	0	13.73	14.13	14.28	0-1	0
		1	36	13.94	14.11	14.29	0-1	0
		1	74	14.18	14.32	14.42	0-1	0
		36	0	13.70	13.93	14.09	0-2	0
		36	18	13.85	13.94	14.22	0-2	0
		36	39	13.97	14.19	14.26	0-2	0
		75	0	13.87	14.05	14.14	0-2	0
	64QAM	1	0	13.65	13.92	14.16	0-2	0
		1	36	13.85	14.17	14.14	0-2	0
		1	74	13.98	14.37	14.47	0-2	0
		36	0	13.77	13.95	14.03	0-3	0
		36	18	13.85	14.05	14.23	0-3	0
		36	39	13.88	14.16	14.24	0-3	0
		75	0	13.87	14.02	14.21	0-3	0
	256QAM	1	0	13.64	13.99	14.18	0-5	0
		1	36	13.90	14.10	14.28	0-5	0
		1	74	14.07	14.24	14.28	0-5	0
		36	0	13.70	14.04	14.05	0-5	0
		36	18	13.88	14.05	14.15	0-5	0
		36	39	13.84	14.18	14.26	0-5	0
		75	0	13.85	14.00	14.25	0-5	0

LTE Band 4 _ 20 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				20175 Ch. 1732.5 MHz		
20 MHz	QPSK	1	0	13.83	0	0
		1	49	14.12	0	0
		1	99	14.29	0	0
		50	0	14.00	0-1	0
		50	25	14.06	0-1	0
		50	49	14.16	0-1	0
		100	0	14.02	0-1	0
	16QAM	1	0	13.87	0-1	0
		1	49	14.41	0-1	0
		1	99	14.41	0-1	0
		50	0	13.99	0-2	0
		50	25	13.96	0-2	0
		50	49	14.09	0-2	0
		100	0	14.11	0-2	0
	64QAM	1	0	14.06	0-2	0
		1	49	14.23	0-2	0
		1	99	14.40	0-2	0
		50	0	13.95	0-3	0
		50	25	14.00	0-3	0
		50	49	14.19	0-3	0
		100	0	14.09	0-3	0
	256QAM	1	0	14.09	0-5	0
		1	49	14.12	0-5	0
		1	99	14.28	0-5	0
		50	0	13.96	0-5	0
		50	25	14.08	0-5	0
		50	49	14.16	0-5	0
		100	0	14.07	0-5	0

[LTE Band 7 Conducted Power _ Sub 2 Ant. (DSI 1)]

LTE Band 7 _ 5 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20775 Ch. 2502.5 MHz	21100 Ch. 2535 MHz	21425 Ch. 2567.5 MHz		
5 MHz	QPSK	1	0	11.48	11.96	11.58	0	0
		1	12	11.54	12.03	11.55	0	0
		1	24	11.44	11.97	11.56	0	0
		12	0	11.42	11.92	11.58	0-1	0
		12	6	11.53	11.90	11.63	0-1	0
		12	11	11.53	11.91	11.58	0-1	0
		25	0	11.56	11.92	11.54	0-1	0
	16QAM	1	0	11.66	12.24	11.66	0-1	0
		1	12	11.92	12.24	11.81	0-1	0
		1	24	11.68	12.36	11.71	0-1	0
		12	0	11.49	12.01	11.58	0-2	0
		12	6	11.57	11.98	11.62	0-2	0
		12	11	11.56	11.98	11.61	0-2	0
		25	0	11.56	11.91	11.60	0-2	0
	64QAM	1	0	11.64	12.14	11.67	0-2	0
		1	12	11.68	12.19	11.80	0-2	0
		1	24	11.76	12.06	11.74	0-2	0
		12	0	11.41	11.88	11.57	0-3	0
		12	6	11.59	11.90	11.60	0-3	0
		12	11	11.50	11.95	11.58	0-3	0
		25	0	11.52	11.94	11.60	0-3	0
	256QAM	1	0	11.45	11.92	11.65	0-5	0
		1	12	11.60	12.26	11.82	0-5	0
		1	24	11.63	12.03	11.48	0-5	0
		12	0	11.50	11.97	11.60	0-5	0
		12	6	11.57	11.95	11.71	0-5	0
		12	11	11.57	11.90	11.56	0-5	0
		25	0	11.52	11.98	11.62	0-5	0

LTE Band 7 _ 10 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20800 Ch. 2505 MHz	21100 Ch. 2535 MHz	21400 Ch. 2565 MHz		
10 MHz	QPSK	1	0	11.57	11.98	11.58	0	0
		1	24	11.60	12.02	11.60	0	0
		1	49	11.54	11.95	11.51	0	0
		25	0	11.51	11.96	11.67	0-1	0
		25	12	11.62	11.96	11.65	0-1	0
		25	24	11.62	12.00	11.57	0-1	0
		50	0	11.57	11.92	11.61	0-1	0
	16QAM	1	0	11.85	12.04	11.82	0-1	0
		1	24	11.85	12.24	11.88	0-1	0
		1	49	11.92	12.47	11.62	0-1	0
		25	0	11.51	11.96	11.73	0-2	0
		25	12	11.63	12.03	11.69	0-2	0
		25	24	11.65	11.97	11.61	0-2	0
		50	0	11.59	11.92	11.62	0-2	0
	64QAM	1	0	11.57	12.27	11.88	0-2	0
		1	24	11.75	12.26	11.63	0-2	0
		1	49	11.73	12.07	11.69	0-2	0
		25	0	11.56	11.97	11.71	0-3	0
		25	12	11.66	11.98	11.66	0-3	0
		25	24	11.64	11.95	11.60	0-3	0
		50	0	11.57	11.90	11.66	0-3	0
	256QAM	1	0	11.49	11.90	11.75	0-5	0
		1	24	11.77	12.04	11.62	0-5	0
		1	49	11.75	12.09	11.55	0-5	0
		25	0	11.50	11.90	11.72	0-5	0
		25	12	11.62	11.99	11.65	0-5	0
		25	24	11.60	11.91	11.59	0-5	0
		50	0	11.62	11.90	11.71	0-5	0

LTE Band 7 _ 15 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20825 Ch. 2507.5 MHz	21100 Ch. 2535 MHz	21375 Ch. 2562.5 MHz		
15 MHz	QPSK	1	0	11.23	11.64	11.50	0	0
		1	36	11.51	11.91	11.55	0	0
		1	74	11.40	11.62	11.21	0	0
		36	0	11.41	11.78	11.60	0-1	0
		36	18	11.52	11.76	11.57	0-1	0
		36	39	11.53	11.71	11.38	0-1	0
		75	0	11.43	11.80	11.50	0-1	0
	16QAM	1	0	11.78	11.85	11.67	0-1	0
		1	36	11.60	12.03	12.33	0-1	0
		1	74	11.62	11.83	11.41	0-1	0
		36	0	11.42	11.84	11.63	0-2	0
		36	18	11.55	11.81	11.52	0-2	0
		36	39	11.50	11.76	11.43	0-2	0
		75	0	11.57	11.80	11.54	0-2	0
	64QAM	1	0	11.54	11.88	11.69	0-2	0
		1	36	11.60	11.88	11.54	0-2	0
		1	74	11.56	11.82	11.46	0-2	0
		36	0	11.47	11.82	11.58	0-3	0
		36	18	11.54	11.78	11.49	0-3	0
		36	39	11.56	11.73	11.42	0-3	0
		75	0	11.57	11.75	11.53	0-3	0
	256QAM	1	0	11.38	11.88	11.72	0-5	0
		1	36	11.57	11.99	11.57	0-5	0
		1	74	11.68	11.72	11.40	0-5	0
		36	0	11.38	11.81	11.59	0-5	0
		36	18	11.52	11.82	11.50	0-5	0
		36	39	11.51	11.79	11.43	0-5	0
		75	0	11.57	11.85	11.49	0-5	0

LTE Band 7 _ 20 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20850 Ch. 2510 MHz	21100 Ch. 2535 MHz	21350 Ch. 2560 MHz		
20 MHz	QPSK	1	0	11.42	11.63	11.55	0	0
		1	49	11.50	11.69	11.44	0	0
		1	99	11.47	11.57	11.28	0	0
		50	0	11.45	11.81	11.66	0-1	0
		50	25	11.56	11.80	11.55	0-1	0
		50	49	11.60	11.76	11.46	0-1	0
		100	0	11.56	11.73	11.56	0-1	0
	16QAM	1	0	11.55	12.00	11.85	0-1	0
		1	49	12.01	12.03	11.56	0-1	0
		1	99	11.60	11.79	11.54	0-1	0
		50	0	11.49	11.76	11.61	0-2	0
		50	25	11.54	11.77	11.58	0-2	0
		50	49	11.58	11.75	11.41	0-2	0
		100	0	11.53	11.78	11.58	0-2	0
	64QAM	1	0	11.53	11.80	11.71	0-2	0
		1	49	11.61	11.98	11.62	0-2	0
		1	99	11.56	11.78	11.40	0-2	0
		50	0	11.46	11.76	11.64	0-3	0
		50	25	11.53	11.83	11.57	0-3	0
		50	49	11.64	11.77	11.48	0-3	0
		100	0	11.59	11.77	11.58	0-3	0
	256QAM	1	0	11.42	11.71	11.70	0-5	0
		1	49	11.38	11.96	11.51	0-5	0
		1	99	11.73	11.79	11.22	0-5	0
		50	0	11.44	11.77	11.62	0-5	0
		50	25	11.58	11.85	11.51	0-5	0
		50	49	11.53	11.82	11.41	0-5	0
		100	0	11.50	11.81	11.54	0-5	0

[LTE Band 25 Conducted Power _ Sub 2 Ant. (DSI 1)]

LTE Band 25 _ 1.4 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26047 Ch. 1850.7 MHz	26365 Ch. 1882.5 MHz	26683 Ch. 1914.3 MHz		
1.4 MHz	QPSK	1	0	12.83	13.16	13.50	0	0
		1	3	12.77	13.22	13.52	0	0
		1	5	12.81	13.17	13.55	0	0
		3	0	12.83	13.14	13.52	0	0
		3	1	12.79	13.23	13.54	0	0
		3	3	12.81	13.21	13.52	0	0
		6	0	12.85	13.16	13.55	0-1	0
	16QAM	1	0	13.12	13.20	13.70	0-1	0
		1	3	12.99	13.30	13.73	0-1	0
		1	5	13.08	13.53	13.73	0-1	0
		3	0	13.03	13.36	13.60	0-1	0
		3	1	12.92	13.32	13.67	0-1	0
		3	3	12.95	13.30	13.68	0-1	0
		6	0	12.90	13.29	13.69	0-2	0
	64QAM	1	0	13.03	13.19	13.70	0-2	0
		1	3	12.96	13.33	13.70	0-2	0
		1	5	12.92	13.32	13.59	0-2	0
		3	0	12.85	13.33	13.68	0-2	0
		3	1	12.91	13.22	13.70	0-2	0
		3	3	12.88	13.23	13.57	0-2	0
		6	0	12.96	13.22	13.63	0-3	0
	256QAM	1	0	12.88	13.20	13.67	0-5	0
		1	3	12.91	13.25	13.68	0-5	0
		1	5	12.99	13.29	13.58	0-5	0
		3	0	12.89	13.20	13.59	0-5	0
		3	1	12.79	13.21	13.60	0-5	0
		3	3	12.85	13.29	13.60	0-5	0
6		0	12.83	13.17	13.53	0-5	0	

LTE Band 25 _ 3 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26055 Ch. 1851.5 MHz	26365 Ch. 1882.5 MHz	26675Ch. 1913.5 MHz		
3 MHz	QPSK	1	0	12.77	13.13	13.47	0	0
		1	7	12.87	13.27	13.53	0	0
		1	14	12.77	13.19	13.48	0	0
		8	0	12.80	13.20	13.47	0-1	0
		8	3	12.88	13.20	13.56	0-1	0
		8	7	12.81	13.23	13.54	0-1	0
		15	0	12.79	13.29	13.54	0-1	0
	16QAM	1	0	13.03	13.28	13.55	0-1	0
		1	7	13.12	13.41	13.71	0-1	0
		1	14	13.13	13.41	13.71	0-1	0
		8	0	12.89	13.16	13.54	0-2	0
		8	3	12.91	13.16	13.63	0-2	0
		8	7	12.93	13.31	13.65	0-2	0
		15	0	12.85	13.22	13.46	0-2	0
	64QAM	1	0	12.93	13.37	13.62	0-2	0
		1	7	13.02	13.30	13.76	0-2	0
		1	14	13.02	13.41	13.60	0-2	0
		8	0	12.85	13.18	13.47	0-3	0
		8	3	12.96	13.24	13.63	0-3	0
		8	7	12.84	13.26	13.64	0-3	0
		15	0	12.82	13.23	13.47	0-3	0
	256QAM	1	0	12.83	13.19	13.59	0-5	0
		1	7	13.01	13.37	13.74	0-5	0
		1	14	12.85	13.23	13.51	0-5	0
		8	0	12.83	13.16	13.51	0-5	0
		8	3	12.92	13.21	13.60	0-5	0
		8	7	12.91	13.27	13.66	0-5	0
		15	0	12.89	13.30	13.52	0-5	0

LTE Band 25 _ 5 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26065 Ch. 1852.5 MHz	26365 Ch. 1882.5 MHz	26665 Ch. 1912.5 MHz		
5 MHz	QPSK	1	0	12.85	13.18	13.43	0	0
		1	12	12.86	13.30	13.58	0	0
		1	24	12.84	13.20	13.57	0	0
		12	0	12.83	13.22	13.48	0-1	0
		12	6	12.91	13.20	13.65	0-1	0
		12	11	12.89	13.33	13.53	0-1	0
		25	0	12.83	13.23	13.60	0-1	0
	16QAM	1	0	12.98	13.38	13.67	0-1	0
		1	12	13.05	13.48	13.87	0-1	0
		1	24	13.06	13.38	13.75	0-1	0
		12	0	12.84	13.18	13.52	0-2	0
		12	6	12.89	13.25	13.60	0-2	0
		12	11	12.88	13.27	13.59	0-2	0
		25	0	12.90	13.26	13.62	0-2	0
	64QAM	1	0	12.96	13.36	13.62	0-2	0
		1	12	12.93	13.34	13.77	0-2	0
		1	24	12.90	13.30	13.72	0-2	0
		12	0	12.88	13.19	13.45	0-3	0
		12	6	12.97	13.22	13.59	0-3	0
		12	11	12.92	13.26	13.58	0-3	0
		25	0	12.86	13.24	13.56	0-3	0
	256QAM	1	0	12.73	13.19	13.53	0-5	0
		1	12	12.98	13.38	13.58	0-5	0
		1	24	13.02	13.26	13.69	0-5	0
		12	0	12.83	13.18	13.53	0-5	0
		12	6	12.91	13.22	13.66	0-5	0
		12	11	12.92	13.23	13.63	0-5	0
		25	0	12.90	13.21	13.54	0-5	0

LTE Band 25 _ 10 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26090 Ch. 1855 MHz	26365 Ch. 1882.5 MHz	26640 Ch. 1910 MHz		
10 MHz	QPSK	1	0	12.82	13.24	13.56	0	0
		1	24	12.87	13.29	13.57	0	0
		1	49	12.86	13.31	13.58	0	0
		25	0	12.82	13.11	13.45	0-1	0
		25	12	12.89	13.23	13.57	0-1	0
		25	24	12.91	13.26	13.52	0-1	0
	16QAM	50	0	12.86	13.26	13.54	0-1	0
		1	0	12.95	13.32	13.57	0-1	0
		1	24	13.14	13.59	13.89	0-1	0
		1	49	13.18	13.41	13.68	0-1	0
		25	0	12.78	13.18	13.49	0-2	0
		25	12	12.89	13.25	13.60	0-2	0
	64QAM	25	24	12.80	13.31	13.62	0-2	0
		50	0	12.84	13.27	13.57	0-2	0
		1	0	12.93	13.44	13.69	0-2	0
		1	24	12.96	13.41	13.69	0-2	0
		1	49	13.02	13.38	13.62	0-2	0
		25	0	12.87	13.18	13.47	0-3	0
	256QAM	25	12	12.91	13.20	13.57	0-3	0
		25	24	12.85	13.25	13.57	0-3	0
		50	0	12.80	13.24	13.54	0-3	0
		1	0	12.94	13.17	13.51	0-5	0
		1	24	13.00	13.43	13.68	0-5	0
		1	49	12.88	13.40	13.71	0-5	0
	25	0	12.84	13.17	13.45	0-5	0	
	25	12	12.85	13.18	13.64	0-5	0	
	25	24	12.89	13.22	13.61	0-5	0	
	50	0	12.83	13.26	13.53	0-5	0	

LTE Band 25 _ 15 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26115 Ch. 1857.5 MHz	26365 Ch. 1882.5 MHz	26615 Ch. 1907.5 MHz		
15 MHz	QPSK	1	0	12.58	13.10	13.26	0	0
		1	36	12.54	13.13	13.34	0	0
		1	74	12.98	13.07	13.36	0	0
		36	0	12.61	13.06	13.33	0-1	0
		36	18	12.73	13.07	13.35	0-1	0
		36	39	12.81	13.16	13.43	0-1	0
		75	0	12.79	13.17	13.44	0-1	0
	16QAM	1	0	13.05	13.08	13.46	0-1	0
		1	36	12.87	13.01	13.52	0-1	0
		1	74	13.07	13.29	13.36	0-1	0
		36	0	12.67	13.02	13.34	0-2	0
		36	18	12.71	13.04	13.31	0-2	0
		36	39	12.73	13.14	13.45	0-2	0
		75	0	12.78	13.10	13.39	0-2	0
	64QAM	1	0	12.72	12.88	13.28	0-2	0
		1	36	12.76	13.09	13.47	0-2	0
		1	74	13.04	13.19	13.48	0-2	0
		36	0	12.61	13.04	13.26	0-3	0
		36	18	12.76	13.04	13.30	0-3	0
		36	39	12.68	13.10	13.44	0-3	0
		75	0	12.73	13.19	13.41	0-3	0
	256QAM	1	0	12.58	13.22	13.40	0-5	0
		1	36	12.77	13.00	13.40	0-5	0
		1	74	13.03	13.25	13.45	0-5	0
		36	0	12.62	13.10	13.33	0-5	0
		36	18	12.79	13.02	13.35	0-5	0
		36	39	12.86	13.08	13.35	0-5	0
75		0	12.82	13.21	13.45	0-5	0	

LTE Band 25 _ 20 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26140 Ch. 1860 MHz	26365 Ch. 1882.5 MHz	26590 Ch. 1905 MHz		
20 MHz	QPSK	1	0	12.61	12.96	13.11	0	0
		1	49	12.79	13.16	13.45	0	0
		1	99	12.92	13.15	13.46	0	0
		50	0	12.68	13.02	13.27	0-1	0
		50	25	12.82	13.13	13.30	0-1	0
		50	49	12.88	13.17	13.44	0-1	0
		100	0	12.85	13.16	13.29	0-1	0
	16QAM	1	0	12.69	13.01	13.27	0-1	0
		1	49	12.76	13.26	13.20	0-1	0
		1	99	13.05	13.27	13.46	0-1	0
		50	0	12.74	13.00	13.30	0-2	0
		50	25	12.81	13.12	13.33	0-2	0
		50	49	12.86	13.17	13.38	0-2	0
		100	0	12.83	13.18	13.30	0-2	0
	64QAM	1	0	12.83	13.08	13.24	0-2	0
		1	49	12.85	13.25	13.80	0-2	0
		1	99	12.89	13.31	13.64	0-2	0
		50	0	12.60	12.98	13.32	0-3	0
		50	25	12.77	13.14	13.35	0-3	0
		50	49	12.81	13.27	13.46	0-3	0
		100	0	12.81	13.06	13.35	0-3	0
	256QAM	1	0	12.68	12.97	13.32	0-5	0
		1	49	12.74	13.27	13.44	0-5	0
		1	99	13.02	13.29	13.42	0-5	0
50		0	12.70	13.01	13.26	0-5	0	
50		25	12.78	13.11	13.27	0-5	0	
50		49	12.87	13.15	13.48	0-5	0	
100		0	12.81	13.11	13.33	0-5	0	

[LTE Band 30 Conducted Power _ Sub 2 Ant. (DSI 1)]

LTE Band 30 _ 5 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				27710 Ch. 2310 MHz		
5 MHz	QPSK	1	0	11.96	0	0
		1	12	12.07	0	0
		1	24	11.87	0	0
		12	0	12.00	0-1	0
		12	6	11.90	0-1	0
		12	11	11.86	0-1	0
		25	0	11.93	0-1	0
	16QAM	1	0	12.23	0-1	0
		1	12	12.16	0-1	0
		1	24	12.26	0-1	0
		12	0	12.02	0-2	0
		12	6	11.97	0-2	0
		12	11	11.97	0-2	0
		25	0	11.94	0-2	0
	64QAM	1	0	12.06	0-2	0
		1	12	12.06	0-2	0
		1	24	12.01	0-2	0
		12	0	12.00	0-3	0
		12	6	12.01	0-3	0
		12	11	11.92	0-3	0
		25	0	11.91	0-3	0
	256QAM	1	0	12.03	0-5	0
		1	12	12.30	0-5	0
		1	24	11.90	0-5	0
12		0	11.97	0-5	0	
12		6	11.99	0-5	0	
12		11	11.93	0-5	0	
25		0	11.92	0-5	0	

LTE Band 30 _ 10 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				27710 Ch. 2310 MHz		
10 MHz	QPSK	1	0	12.07	0	0
		1	24	11.98	0	0
		1	49	11.78	0	0
		25	0	12.01	0-1	0
		25	12	11.87	0-1	0
		25	24	11.88	0-1	0
		50	0	11.94	0-1	0
	16QAM	1	0	12.19	0-1	0
		1	24	12.39	0-1	0
		1	49	12.16	0-1	0
		25	0	12.03	0-2	0
		25	12	11.99	0-2	0
		25	24	11.97	0-2	0
		50	0	11.94	0-2	0
	64QAM	1	0	12.11	0-2	0
		1	24	12.09	0-2	0
		1	49	12.03	0-2	0
		25	0	11.99	0-3	0
		25	12	11.92	0-3	0
		25	24	11.86	0-3	0
		50	0	11.88	0-3	0
	256QAM	1	0	11.98	0-5	0
		1	24	12.09	0-5	0
		1	49	11.95	0-5	0
		25	0	12.02	0-5	0
		25	12	12.00	0-5	0
		25	24	11.90	0-5	0
		50	0	11.99	0-5	0

[LTE Band 66 Conducted Power _ Sub 2 Ant. (DSI 1)]

LTE Band 66 _ 1.4 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]	
				131979Ch. 1710.7 MHz	132322 Ch. 1745 MHz	132665 Ch. 1779.3 MHz			
1.4 MHz	QPSK	1	0	13.83	14.35	14.27	0	0	
		1	3	13.99	14.36	14.42	0	0	
		1	5	13.87	14.26	14.39	0	0	
		3	0	13.90	14.29	14.42	0	0	
		3	1	13.88	14.38	14.44	0	0	
		3	3	13.82	14.39	14.44	0	0	
	16QAM	6	0	13.91	14.33	14.46	0-1	0	
		1	0	14.08	14.58	14.52	0-1	0	
		1	3	13.94	14.60	14.66	0-1	0	
		1	5	14.00	14.58	14.72	0-1	0	
		3	0	14.04	14.40	14.44	0-1	0	
		3	1	13.93	14.42	14.45	0-1	0	
	64QAM	3	3	13.95	14.39	14.44	0-1	0	
		6	0	13.95	14.39	14.42	0-2	0	
		1	0	13.89	14.46	14.53	0-2	0	
		1	3	14.02	14.67	14.47	0-2	0	
		1	5	13.94	14.47	14.47	0-2	0	
		3	0	13.91	14.39	14.46	0-2	0	
	256QAM	3	1	14.01	14.42	14.60	0-2	0	
		3	3	13.97	14.50	14.47	0-2	0	
		6	0	13.86	14.33	14.39	0-3	0	
		1	0	14.00	14.36	14.50	0-5	0	
		1	3	13.99	14.46	14.69	0-5	0	
		1	5	14.04	14.49	14.49	0-5	0	
			3	0	13.94	14.39	14.55	0-5	0
			3	1	13.93	14.45	14.49	0-5	0
			3	3	13.98	14.47	14.50	0-5	0
			6	0	13.86	14.37	14.44	0-5	0

LTE Band 66 _ 3 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131987 Ch. 1711.5 MHz	132322 Ch. 1745 MHz	132657 Ch. 1778.5 MHz		
3 MHz	QPSK	1	0	13.84	14.21	14.39	0	0
		1	7	13.92	14.39	14.45	0	0
		1	14	13.87	14.42	14.40	0	0
		8	0	13.94	14.37	14.36	0-1	0
		8	3	13.99	14.36	14.49	0-1	0
		8	7	13.98	14.47	14.43	0-1	0
		15	0	13.95	14.29	14.42	0-1	0
	16QAM	1	0	13.86	14.43	14.53	0-1	0
		1	7	14.19	14.61	14.71	0-1	0
		1	14	14.07	14.53	14.51	0-1	0
		8	0	13.93	14.38	14.44	0-2	0
		8	3	14.02	14.40	14.48	0-2	0
		8	7	14.02	14.42	14.47	0-2	0
		15	0	13.93	14.28	14.46	0-2	0
	64QAM	1	0	13.88	14.39	14.52	0-2	0
		1	7	14.08	14.56	14.59	0-2	0
		1	14	14.03	14.53	14.62	0-2	0
		8	0	13.89	14.30	14.39	0-3	0
		8	3	13.96	14.38	14.51	0-3	0
		8	7	13.95	14.45	14.40	0-3	0
		15	0	13.91	14.33	14.45	0-3	0
	256QAM	1	0	13.99	14.32	14.48	0-5	0
		1	7	14.10	14.57	14.61	0-5	0
		1	14	13.96	14.60	14.56	0-5	0
		8	0	13.99	14.39	14.46	0-5	0
		8	3	14.02	14.36	14.47	0-5	0
		8	7	13.99	14.48	14.48	0-5	0
		15	0	13.97	14.35	14.44	0-5	0

LTE Band 66 _ 5 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131997 Ch. 1712.5 MHz	132322Ch. 1745 MHz	132647 Ch. 1777.5 MHz		
5 MHz	QPSK	1	0	13.82	14.28	14.40	0	0
		1	12	13.97	14.35	14.35	0	0
		1	24	13.97	14.40	14.49	0	0
		12	0	13.80	14.27	14.43	0-1	0
		12	6	13.98	14.35	14.44	0-1	0
		12	11	13.99	14.43	14.46	0-1	0
		25	0	13.99	14.28	14.46	0-1	0
	16QAM	1	0	14.10	14.46	14.60	0-1	0
		1	12	14.12	14.65	14.78	0-1	0
		1	24	14.19	14.69	14.54	0-1	0
		12	0	13.79	14.29	14.48	0-2	0
		12	6	14.00	14.36	14.50	0-2	0
		12	11	13.96	14.46	14.42	0-2	0
		25	0	13.97	14.35	14.40	0-2	0
	64QAM	1	0	14.00	14.50	14.57	0-2	0
		1	12	14.16	14.63	14.57	0-2	0
		1	24	14.17	14.38	14.30	0-2	0
		12	0	13.87	14.30	14.41	0-3	0
		12	6	14.02	14.39	14.43	0-3	0
		12	11	13.93	14.48	14.46	0-3	0
		25	0	13.95	14.28	14.40	0-3	0
	256QAM	1	0	13.93	14.38	14.49	0-5	0
		1	12	14.04	14.45	14.53	0-5	0
		1	24	14.06	14.48	14.41	0-5	0
		12	0	13.88	14.35	14.39	0-5	0
		12	6	14.04	14.36	14.51	0-5	0
		12	11	14.04	14.40	14.46	0-5	0
		25	0	13.94	14.35	14.48	0-5	0

LTE Band 66 _ 10 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132022 Ch. 1715 MHz	132322 Ch. 1745 MHz	132622 Ch. 1775 MHz		
10 MHz	QPSK	1	0	13.86	14.36	14.35	0	0
		1	24	13.99	14.50	14.38	0	0
		1	49	13.98	14.33	14.49	0	0
		25	0	13.89	14.28	14.48	0-1	0
		25	12	14.03	14.40	14.43	0-1	0
		25	24	14.10	14.39	14.49	0-1	0
		50	0	14.00	14.32	14.41	0-1	0
	16QAM	1	0	14.06	14.59	14.52	0-1	0
		1	24	14.10	14.49	14.65	0-1	0
		1	49	14.12	14.63	14.67	0-1	0
		25	0	13.88	14.34	14.38	0-2	0
		25	12	14.01	14.34	14.43	0-2	0
		25	24	14.00	14.40	14.46	0-2	0
		50	0	13.97	14.39	14.40	0-2	0
	64QAM	1	0	13.93	14.39	14.53	0-2	0
		1	24	14.10	14.59	14.58	0-2	0
		1	49	14.18	14.51	14.65	0-2	0
		25	0	13.84	14.32	14.45	0-3	0
		25	12	14.02	14.33	14.46	0-3	0
		25	24	14.01	14.39	14.50	0-3	0
		50	0	13.93	14.38	14.38	0-3	0
	256QAM	1	0	14.01	14.22	14.48	0-5	0
		1	24	14.06	14.57	14.47	0-5	0
		1	49	14.12	14.52	14.52	0-5	0
		25	0	13.86	14.27	14.38	0-5	0
		25	12	14.01	14.42	14.43	0-5	0
		25	24	14.06	14.47	14.50	0-5	0
		50	0	13.98	14.36	14.48	0-5	0

LTE Band 66 _ 15 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

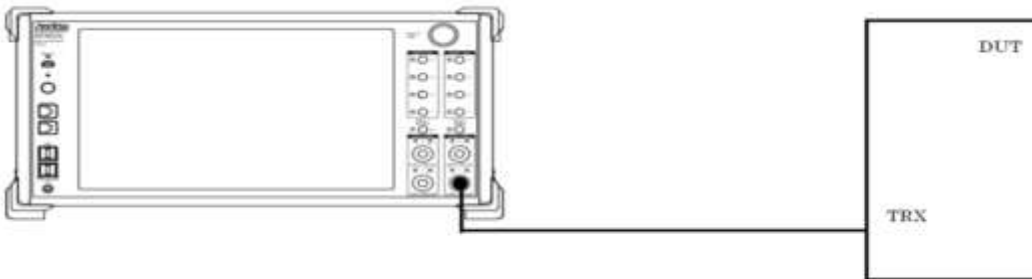
Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132047 Ch. 1717.5 MHz	132322 Ch. 1745 MHz	132597 Ch. 1772.5 MHz		
15 MHz	QPSK	1	0	14.05	14.24	14.15	0	0
		1	36	13.76	14.19	14.19	0	0
		1	74	14.18	14.32	14.35	0	0
		36	0	13.75	14.11	14.27	0-1	0
		36	18	13.82	14.13	14.31	0-1	0
		36	39	13.91	14.15	14.34	0-1	0
		75	0	13.88	14.15	14.25	0-1	0
	16QAM	1	0	13.95	14.17	14.36	0-1	0
		1	36	13.80	14.19	14.33	0-1	0
		1	74	14.03	14.47	14.51	0-1	0
		36	0	13.68	14.18	14.29	0-2	0
		36	18	13.89	14.18	14.26	0-2	0
		36	39	13.91	14.25	14.34	0-2	0
		75	0	13.95	14.21	14.27	0-2	0
	64QAM	1	0	13.82	14.28	14.27	0-2	0
		1	36	14.01	14.45	14.48	0-2	0
		1	74	14.07	14.36	14.39	0-2	0
		36	0	13.69	14.20	14.26	0-3	0
		36	18	13.90	14.20	14.27	0-3	0
		36	39	13.92	14.25	14.28	0-3	0
		75	0	13.88	14.09	14.25	0-3	0
	256QAM	1	0	13.80	14.23	14.24	0-5	0
		1	36	14.00	14.24	14.44	0-5	0
		1	74	14.15	14.31	14.37	0-5	0
		36	0	13.75	14.15	14.25	0-5	0
		36	18	13.87	14.28	14.33	0-5	0
		36	39	13.96	14.31	14.39	0-5	0
		75	0	13.87	14.15	14.32	0-5	0

LTE Band 66 _ 20 MHz Bandwidth _ Grip Backoff Conducted Power_Sub 2 Ant.

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132072 Ch. 1720 MHz	132322 Ch. 1745 MHz	132572 Ch. 1770 MHz		
20 MHz	QPSK	1	0	13.64	13.94	14.13	0	0
		1	49	13.82	14.37	14.32	0	0
		1	99	14.13	14.36	14.26	0	0
		50	0	13.77	14.10	14.23	0-1	0
		50	25	13.89	14.19	14.28	0-1	0
		50	49	13.94	14.24	14.34	0-1	0
		100	0	13.90	14.14	14.30	0-1	0
	16QAM	1	0	13.96	14.14	14.36	0-1	0
		1	49	13.96	14.42	14.30	0-1	0
		1	99	14.34	14.52	14.30	0-1	0
		50	0	13.79	14.15	14.26	0-2	0
		50	25	13.95	14.16	14.31	0-2	0
		50	49	14.00	14.26	14.32	0-2	0
		100	0	13.97	14.19	14.34	0-2	0
	64QAM	1	0	13.71	14.20	14.24	0-2	0
		1	49	14.03	14.36	14.26	0-2	0
		1	99	14.24	14.49	14.28	0-2	0
		50	0	13.78	14.13	14.31	0-3	0
		50	25	13.90	14.16	14.27	0-3	0
		50	49	13.96	14.23	14.38	0-3	0
		100	0	13.93	14.17	14.30	0-3	0
	256QAM	1	0	13.82	14.15	14.32	0-5	0
		1	49	13.86	14.40	14.46	0-5	0
		1	99	14.12	14.35	14.34	0-5	0
		50	0	13.74	14.22	14.20	0-5	0
		50	25	13.94	14.22	14.35	0-5	0
		50	49	14.05	14.31	14.38	0-5	0
		100	0	13.92	14.14	14.28	0-5	0

11.2.5 LTE Up-link Carrier Aggregation Conducted Powers Setup

To measure the LTE UP CA power of this device, Anritsu's MT8821C was used to check the power as follows.



Power Measurement setup

.TDD CA_41C Intra-Band Contiguous Call Connection

Set to MT8821C with following parameters:

- Set up the call box for PCC Configuration for LTE Uplink CA
- Set up the call box for SCC Configuration for LTE Uplink CA
- Measure the maximum output power in Uplink LTE CA conditions.

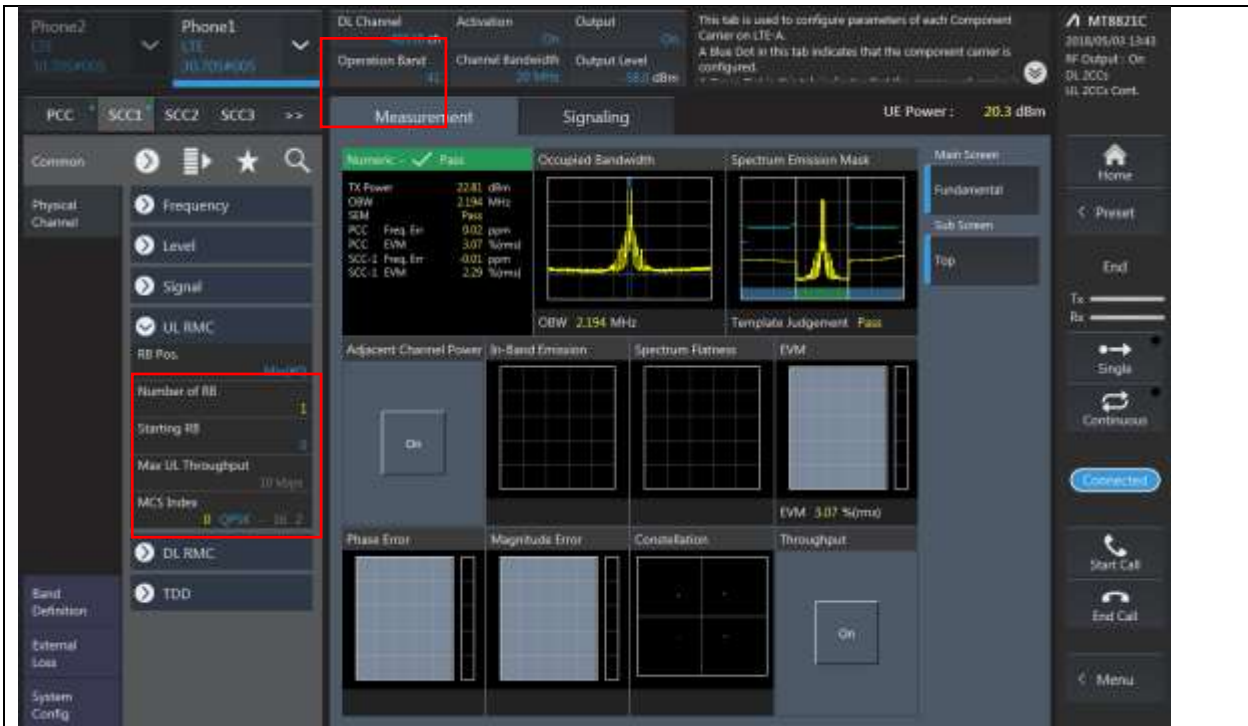
The screenshot displays the MT8821C software interface. On the left, the 'Authentication Key K' is highlighted in red, showing the value: 00112233 44556677 8899AABB CCDD11FF. The 'UE Report' section on the right also has a red box around it, showing details for IMSI(DEC), IMEI, and PDN Type (IPv6).

U-S	Message	Description	Time at MAC
→	U-InformationTransfer	IDENTITY RESPONSE	00:27:01.089 (00:00.015)
←	UECapabilityEnquiry		00:27:01.089 (00:00.000)
→	UECapabilityInformation		00:27:01.143 (00:00.154)
→	D-InformationTransfer	AUTHENTICATION REQUEST	00:27:01.244 (00:00.001)
→	U-InformationTransfer	AUTHENTICATION RESPONSE	00:27:01.283 (00:00.039)
→	D-InformationTransfer	SECURITY MODE COMMAND	00:27:01.391 (00:00.010)
→	U-InformationTransfer	SECURITY MODE COMPLETE	00:27:01.389 (00:00.106)
→	D-InformationTransfer	ACTIVATE TEST MODE	00:27:01.409 (00:00.010)
→	U-InformationTransfer	ACTIVATE TEST MODE COMPLETE	00:27:01.424 (00:00.015)
→	SecurityModeCommand		00:27:01.424 (00:00.000)
→	SecurityModeComplete		00:27:01.578 (00:00.155)
→	RRCConnReqReconfiguration	ATTACH ACCEPT	00:27:01.594 (00:00.015)
→	RRCConnReqReconfigurationComplete		00:27:01.618 (00:00.026)
→	U-InformationTransfer	ATTACH COMPLETE	00:27:01.639 (00:00.021)
→	RRCConnReqRelease		00:27:01.739 (00:00.100)

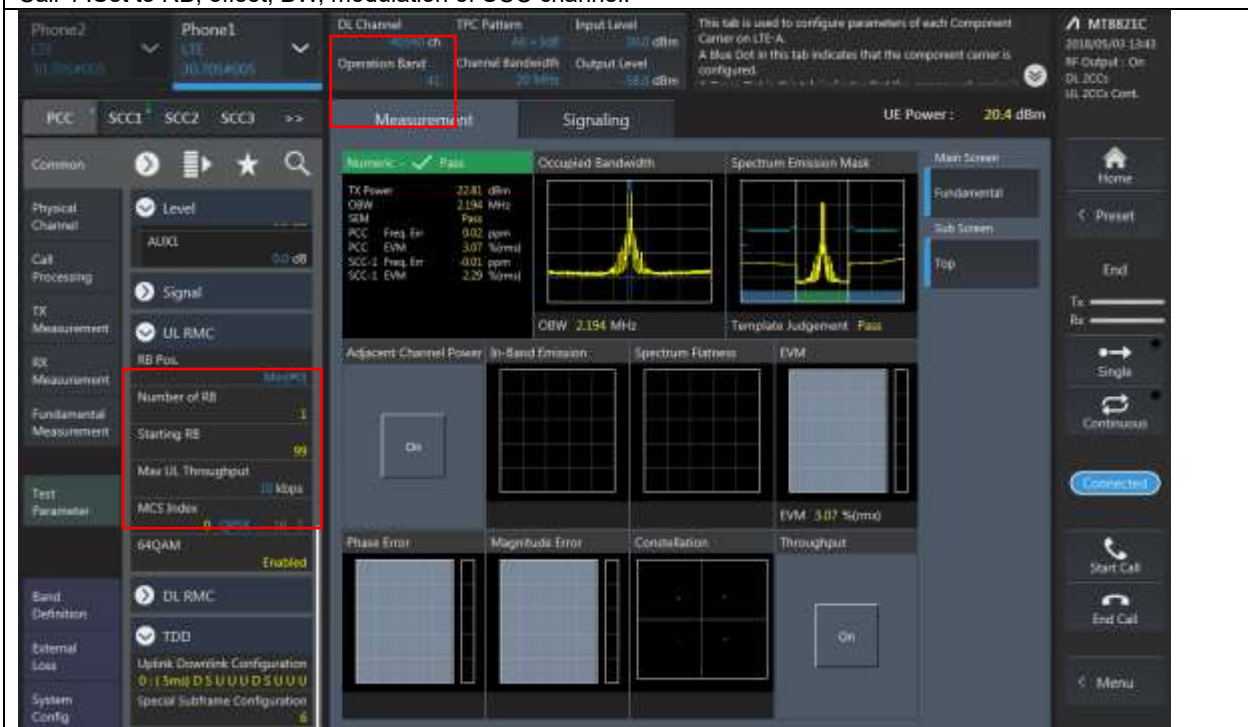
Call 1 :Select PCC Configuration for Authentication key to Register

Call 2 :Select PCC Configuration for LTE UL CA and Cable loss

Call 3 :Select PCC Configuration for LTE TDD “ Uplink Downlink Configuration” set to “0”
And then Select “connect”button.



Call 4 :Set to RB, offset, BW, modulation of SCC channel.



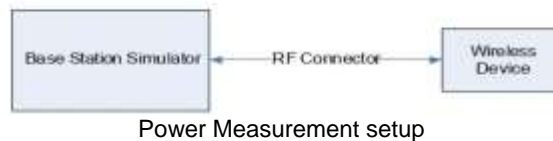
Call 5: Set to RB, offset, BW, modulation and Max Power conditions of PCC required test channel.

LTE Uplink Carrier Aggregation Conducted Powers

SAR test exclusion for LTE downlink Carrier Aggregation is determined by power measurements according to the number component carriers (CCs) supported by test product implementation. For those configurations required by April 2018 TCBC Workshop notes, conducted power measurements with LTE Carrier Aggregation (CA) (downlink only) active are made in accordance to KDB Publication 941225 D05Av01r02. The RRC connection is only handled by one cell, the primary component carrier (PCC) for downlink and uplink communications. After making a data connection to the PCC, the UE device adds secondary component carrier(s)(SCC) on the downlink only.

Uplink Carrier aggregation:

- 1 This device supports uplink carrier aggregation for LTE CA_41C, LTE CA_48C, LTE CA_66C, LTE CA_66B and LTE CA_5B. For intra-band contiguous carrier aggregation scenarios, 3GPP36.101 Table 6.2.2A-1 specifies that aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when non-contiguous RB allocation is implemented. The conducted Powers and MPR setting in this device are permanently implemented per the above 3GPP requirements.
2. Per Fall 2017 TCBC Workshop Notes, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers.



Uplink Carrier aggregation Conducted Powers

Combination	PCC									SCC									Tx Power LTE ULCA Tx Power (dBm)
	Band	BW	PCC UL Channel	PCC UL Freq.	PCC DL Channel	PCC DL Freq.	Modulation	RB	offset	Band	BW	SCC UL Channel	SCC UL Freq.	SCC DL Channel	SCC DL Freq.	Modulation	RB	offset	
5B Max	5	10	20525	836.5	2525	881.5	QPSK	1	49	5	5	20597	843.7	2597	888.7	QPSK	1	1	23.80
5B Grip	5	10	20525	836.5	2525	881.5	QPSK	1	0	5	5	20453	829.3	2453	874.3	QPSK	1	1	14.80
66B Max	66	15	132322	1745	66786	2145	QPSK	1	74	66	5	132415	1754.3	66879	2154.3	QPSK	1	1	24.00
66B Grip	66	15	132322	1745	66786	2145	QPSK	1	74	66	5	132415	1754.3	66879	2154.3	QPSK	1	1	14.10
66C Max	66	20	132072	1720	66536	2120	QPSK	1	99	66	20	132270	1739.8	66734	2139.8	QPSK	1	1	24.26
66C Grip	66	20	132322	1745	66786	2145	QPSK	1	99	66	20	132520	1764.8	66984	2164.8	QPSK	1	1	14.28
41C (PC3) Max	41	20	40185	2549.5	40185	2549.5	QPSK	1	0	41	20	39987	2529.7	39987	2529.7	QPSK	1	1	24.65
41C (PC3) Grip	41	20	40185	2549.5	40185	2549.5	QPSK	1	0	41	20	39987	2529.7	39987	2529.7	QPSK	1	1	13.23
41C (PC2) Max	41	20	41055	2636.5	41055	2636.5	QPSK	1	99	41	20	41253	2656.3	41253	2656.3	QPSK	1	1	26.81
48C Max	48	20	55773	3603.3	55773	3603.3	QPSK	1	99	48	20	55971	3623.1	55971	3623.1	QPSK	1	1	22.18
48C Grip	48	20	55773	3603.3	55773	3603.3	QPSK	1	99	48	20	55971	3623.1	55971	3623.1	QPSK	1	1	12.15

11.3 NR Maximum Output Power

11.3.1 NR Band Maximum Conducted Power

[NR Band n2 Conducted Power_ Main 1 Ant. (DSI 0)]

NR Band n2 _ 5 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						370500	376000	381500	
						1852.5 MHz	1880 MHz	1907.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	24.12	23.84	24.12	0
				1	13	24.10	23.81	24.11	0
				1	23	24.03	23.74	24.06	0
				12	0	23.76	23.47	23.74	0.5
				12	7	24.19	23.92	24.20	0
				12	13	23.59	23.33	23.68	0.5
			QPSK	25	0	23.67	23.42	23.73	0.5
				1	1	24.07	23.75	24.09	0
				1	13	23.97	23.74	24.07	0
				1	23	23.93	23.70	23.95	0
				12	0	23.24	23.01	23.27	1
				12	7	24.18	23.93	24.22	0
			16QAM	12	13	23.12	22.87	23.21	1
				25	0	23.22	22.95	23.26	1
				1	1	23.61	23.33	23.68	1
				1	1	21.61	21.31	21.63	2.5
256QAM	1	1	19.57	19.28	19.56	4.5			
	CP	QPSK	1	1	22.70	22.41	22.78	1.5	

NR Band n2 _ 10 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						371000	376000	381000	
						1855 MHz	1880 MHz	1905 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	24.15	23.86	24.25	0
				1	26	24.12	23.84	24.13	0
				1	50	24.00	23.76	24.12	0
				25	0	23.75	23.47	23.91	0.5
				25	14	24.18	23.95	24.28	0
				25	27	23.64	23.36	23.73	0.5
			QPSK	50	0	23.69	23.41	23.75	0.5
				1	1	24.09	23.82	24.22	0
				1	26	24.04	23.74	24.11	0
				1	50	23.90	23.72	24.08	0
				25	0	23.31	22.98	23.45	1
				25	14	24.25	23.98	24.30	0
			16QAM	25	27	23.20	22.91	23.25	1
				50	0	23.20	22.92	23.33	1
				1	1	23.66	23.33	23.78	1
				1	1	21.67	21.37	21.78	2.5
256QAM	1	1	19.60	19.27	19.70	4.5			
	CP	QPSK	1	1	22.74	22.44	22.90	1.5	

NR Band n2 _ 15 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						371500	376000	380500	
						1857.5 MHz	1880 MHz	1902.5 MHz	
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	24.27	23.96	24.36	0
				1	40	24.18	23.89	24.30	0
				1	77	24.12	23.89	24.31	0
				36	0	23.88	23.55	24.04	0.5
				36	22	24.27	24.05	24.44	0
				36	43	23.78	23.55	23.96	0.5
			75	0	23.82	23.58	24.02	0.5	
			QPSK	1	1	24.23	23.88	24.36	0
				1	40	24.10	23.85	24.27	0
				1	77	24.05	23.82	24.28	0
				36	0	23.38	23.13	23.60	1
				36	22	24.33	24.08	24.41	0
				36	43	23.32	23.03	23.48	1
			75	0	23.37	23.12	23.50	1	
			16QAM	1	1	23.79	23.39	23.90	1
			64QAM	1	1	21.80	21.44	21.90	2.5
			256QAM	1	1	19.70	19.46	19.88	4.5
CP	QPSK	1	1	22.89	22.58	23.00	1.5		

NR Band n2 _ 20 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						372000	376000	380000	
						1860 MHz	1880 MHz	1900 MHz	
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	24.19	23.97	24.37	0
				1	53	24.13	23.93	24.32	0
				1	104	24.04	23.93	24.30	0
				50	0	23.79	23.57	24.03	0.5
				50	28	24.26	24.07	24.47	0
				50	56	23.73	23.53	23.95	0.5
			100	0	23.81	23.61	23.99	0.5	
			QPSK	1	1	24.15	23.91	24.37	0
				1	53	24.04	23.83	24.29	0
				1	104	23.93	23.84	24.28	0
				50	0	23.34	23.09	23.61	1
				50	28	24.31	24.10	24.53	0
				50	56	23.27	23.09	23.55	1
			100	0	23.32	23.14	23.55	1	
			16QAM	1	1	23.72	23.41	23.93	1
			64QAM	1	1	21.70	21.49	21.94	2.5
			256QAM	1	1	19.65	19.46	19.90	4.5
CP	QPSK	1	1	22.83	22.56	23.01	1.5		

[NR Band n5 Conducted Power _ Main 1 Ant. (DSI 0)]

NR Band n5_ 5 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						165300	167300	169300	
						826.5 MHz	836.5 MHz	846.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	24.69	24.68	24.79	0
				1	13	24.59	24.78	24.72	0
				1	23	24.60	24.78	24.73	0
				12	0	24.22	24.32	24.36	0.5
				12	7	24.68	24.80	24.77	0
				12	13	24.21	24.31	24.27	0.5
			25	0	24.19	24.34	24.34	0.5	
			QPSK	1	1	24.59	24.62	24.70	0
				1	13	24.54	24.65	24.60	0
				1	23	24.52	24.67	24.65	0
				12	0	23.76	23.88	23.83	1
				12	7	24.75	24.81	24.80	0
				12	13	23.73	23.80	23.80	1
			25	0	23.74	23.89	23.87	1	
			16QAM	1	1	24.16	24.15	24.26	0
			64QAM	1	1	22.11	22.14	22.21	2.5
			256QAM	1	1	20.05	20.09	20.20	4.5
			CP	QPSK	1	1	23.25	23.28	23.40

NR Band n5_ 10 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]		MPR [dB]	
							167300		
							836.5 MHz		
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		24.66		0
				1	26		24.79		0
				1	50		24.72		0
				25	0		24.31		0.5
				25	14		24.85		0
				25	27		24.34		0.5
			50	0		24.37		0.5	
			QPSK	1	1		24.59		0
				1	26		24.68		0
				1	50		24.63		0
				25	0		23.83		1
				25	14		24.90		0
				25	27		23.87		1
			50	0		23.86		1	
			16QAM	1	1		24.13		0
			64QAM	1	1		22.07		2.5
			256QAM	1	1		20.06		4.5
			CP	QPSK	1	1		23.25	

NR Band n5_ 15 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
							167300		
							836.5 MHz		
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		24.66		0
				1	40		24.85		0
				1	77		24.78		0
				36	0		24.42		0.5
				36	22		24.92		0
				36	43		24.48		0.5
			75	0		24.44		0.5	
			QPSK	1	1		24.61		0
				1	40		24.80		0
				1	77		24.71		0
				36	0		23.99		1
				36	22		24.91		0
				36	43		23.98		1
			75	0		23.94		1	
			16QAM	1	1		24.15		0
			64QAM	1	1		22.14		2.5
			256QAM	1	1		20.14		4.5
			CP	QPSK	1	1		23.30	

NR Band n5_ 20 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
							167300		
							836.5 MHz		
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		24.72		0
				1	53		24.87		0
				1	104		24.78		0
				50	0		24.46		0.5
				50	28		24.89		0
				50	56		24.45		0.5
			100	0		24.42		0.5	
			QPSK	1	1		24.64		0
				1	53		24.77		0
				1	104		24.71		0
				50	0		23.99		1
				50	28		24.95		0
				50	56		23.95		1
			100	0		23.92		1	
			16QAM	1	1		24.15		0
			64QAM	1	1		22.13		2.5
			256QAM	1	1		20.17		4.5
			CP	QPSK	1	1		23.29	

[NR Band n7 Conducted Power _ Main 1 Ant. (DSI 0)]

NR Band n7 _ 5 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]	
						500500	507000	513500		
						2502.5 MHz	2535 MHz	2567.5 MHz		
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.95	23.68	23.49	0	
				1	13	24.07	23.76	23.56	0	
				1	23	24.08	23.79	23.58	0	
				12	0	23.57	23.25	23.11	0.5	
				12	7	24.15	23.86	23.65	0	
				12	13	23.66	23.39	23.20	0.5	
				25	0	23.64	23.34	23.15	0.5	
			QPSK	1	1	23.92	23.63	23.46	0	
				1	13	24.00	23.70	23.51	0	
				1	23	24.01	23.68	23.50	0	
				12	0	23.07	22.80	22.64	1	
				12	7	24.15	23.83	23.68	0	
				12	13	23.16	22.89	22.70	1	
				25	0	23.15	22.85	22.70	1	
			16QAM	1	1	23.46	23.17	22.99	1	
			64QAM	1	1	21.49	21.18	20.98	2.5	
			256QAM	1	1	19.37	19.06	18.92	4.5	
			CP	QPSK	1	1	22.55	22.26	22.09	1.5

NR Band n7 _ 10 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]	
						501000	507000	513000		
						2505 MHz	2535 MHz	2565 MHz		
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.74	23.73	23.39	0	
				1	26	23.85	23.79	23.55	0	
				1	50	23.89	23.77	23.56	0	
				25	0	23.45	23.39	23.01	0.5	
				25	14	23.96	23.89	23.54	0	
				25	27	23.48	23.36	23.12	0.5	
				50	0	23.45	23.37	23.07	0.5	
			QPSK	1	1	23.71	23.64	23.34	0	
				1	26	23.82	23.73	23.44	0	
				1	50	23.83	23.71	23.46	0	
				25	0	23.00	22.90	22.60	1	
				25	14	24.01	23.94	23.58	0	
				25	27	23.03	22.92	22.67	1	
				50	0	23.00	22.86	22.57	1	
			16QAM	1	1	23.31	23.18	22.86	1	
			64QAM	1	1	21.31	21.17	20.83	2.5	
			256QAM	1	1	19.17	19.06	18.75	4.5	
			CP	QPSK	1	1	22.38	22.27	21.97	1.5

NR Band n7 _ 15 Mhz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						501500	507000	512500	
						2507.5 Mhz	2535 Mhz	2562.5 Mhz	
15 Mhz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.85	23.77	23.67	0
				1	40	24.05	23.81	23.68	0
				1	77	24.06	23.83	23.75	0
				36	0	23.69	23.45	23.33	0.5
				36	22	24.22	23.99	23.83	0
				36	43	23.72	23.48	23.29	0.5
			75	0	23.76	23.51	23.38	0.5	
			QPSK	1	1	23.84	23.71	23.59	0
				1	40	24.03	23.70	23.57	0
				1	77	24.00	23.75	23.64	0
				36	0	23.24	22.99	22.85	1
				36	22	24.29	24.02	23.87	0
				36	43	23.25	22.97	22.84	1
			75	0	23.31	23.06	22.88	1	
			16QAM	1	1	23.40	23.28	23.14	1
			64QAM	1	1	21.40	21.24	21.18	2.5
			256QAM	1	1	19.40	19.20	19.12	4.5
			CP	QPSK	1	1	22.54	22.42	22.29

NR Band n7 _ 20 Mhz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						502000	507000	512000	
						2510 Mhz	2535 Mhz	2560 Mhz	
20 Mhz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.91	23.76	23.64	0
				1	53	24.10	23.81	23.62	0
				1	104	24.21	23.81	23.70	0
				50	0	23.79	23.44	23.36	0.5
				50	28	24.30	24.00	23.83	0
				50	56	23.76	23.45	23.28	0.5
			100	0	23.82	23.48	23.36	0.5	
			QPSK	1	1	23.92	23.72	23.58	0
				1	53	24.04	23.72	23.57	0
				1	104	24.13	23.75	23.64	0
				50	0	23.34	23.02	22.89	1
				50	28	24.31	24.03	23.86	0
				50	56	23.29	23.02	22.81	1
			100	0	23.31	23.05	22.85	1	
			16QAM	1	1	23.45	23.29	23.12	1
			64QAM	1	1	21.46	21.26	21.19	2.5
			256QAM	1	1	19.45	19.27	19.16	4.5
			CP	QPSK	1	1	22.57	22.38	22.26

NR Band n7 _ 25 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						502500	507000	511500	
						2512.5 MHz	2535 MHz	2557.5 MHz	
25 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	24.03	23.83	23.54	0
				1	67	24.19	23.84	23.64	0
				1	131	24.26	23.87	23.72	0
				64	0	23.88	23.48	23.32	0.5
				64	35	24.37	24.00	23.84	0
				64	39	23.91	23.52	23.29	0.5
			128	0	23.91	23.53	23.30	0.5	
			QPSK	1	1	23.99	23.79	23.50	0
				1	67	24.11	23.73	23.56	0
				1	131	24.22	23.82	23.64	0
				64	0	23.39	23.07	22.88	1
				64	35	24.45	24.06	23.82	0
				64	69	23.50	23.03	22.81	1
			128	0	23.40	23.03	22.84	1	
			16QAM	1	1	23.57	23.36	23.04	1
			64QAM	1	1	21.61	21.34	21.10	2.5
			256QAM	1	1	19.87	19.72	19.42	4.5
			CP	QPSK	1	1	22.70	22.47	22.19

NR Band n7 _ 30 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						503000	507000	511000	
						2515 MHz	2535 MHz	2555 MHz	
30 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.87	23.77	23.50	0
				1	80	24.01	23.81	23.59	0
				1	158	24.08	23.96	23.67	0
				80	0	23.53	23.49	23.25	0.5
				80	40	24.15	23.95	23.69	0
				80	80	23.65	23.47	23.20	0.5
			160	0	23.66	23.47	23.20	0.5	
			QPSK	1	1	23.83	23.77	23.46	0
				1	80	23.99	23.78	23.52	0
				1	158	24.04	23.90	23.59	0
				80	0	23.11	23.01	22.78	1
				80	40	24.19	23.99	23.76	0
				80	80	23.18	22.98	22.73	1
			160	0	23.21	23.04	22.77	1	
			16QAM	1	1	23.42	23.24	23.03	1
			64QAM	1	1	21.40	21.29	20.99	2.5
			256QAM	1	1	19.37	19.23	18.97	4.5
			CP	QPSK	1	1	22.59	22.37	22.16

NR Band n7 _ 40 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]		MPR [dB]
						507000	2535 MHz	
40 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		23.78	0
				1	108		23.81	0
				1	214		23.94	0
				108	0		23.34	0.5
				108	54		23.96	0
				108	108		23.49	0.5
			216	0		23.48	0.5	
			QPSK	1	1		23.80	0
				1	108		23.87	0
				1	214		23.80	0
				108	0		22.93	1
				108	54		24.00	0
				108	108		23.10	1
			216	0		23.04	1	
		16QAM	1	1		23.26	1	
		64QAM	1	1		21.32	2.5	
256QAM	1	1		19.27	4.5			
CP	QPSK	1	1		22.43	1.5		

[NR Band n12 Conducted Power _ Main 1 Ant. (DSI 0)]

NR Band n12_ 5 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						140300	141500	142700	
						701.5 MHz	707.5 MHz	713.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.66	23.78	23.62	0
				1	13	23.63	23.85	23.65	0
				1	23	23.71	23.79	23.64	0
				12	0	23.18	23.28	23.21	0.5
				12	7	23.64	23.84	23.68	0
				12	13	23.20	23.35	23.09	0.5
			QPSK	25	0	23.16	23.35	23.19	0.5
				1	1	23.64	23.81	23.69	0
				1	13	23.67	23.87	23.69	0
				1	23	23.69	23.87	23.64	0
				12	0	22.71	22.82	22.65	1
				12	7	23.62	23.84	23.64	0
			16QAM	12	13	22.66	22.84	22.65	1
				25	0	22.63	22.89	22.64	1
				1	1	22.63	22.76	22.67	1
				1	1	21.30	21.37	21.29	2.5
			256QAM	1	1	18.75	18.85	18.73	4.5
				CP	QPSK	1	1	22.02	22.18

NR Band n12_ 10 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]		MPR [dB]
							141500	
							707.5 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		23.75	0
				1	26		23.90	0
				1	50		23.70	0
				25	0		23.37	0.5
				25	14		23.79	0
				25	27		23.40	0.5
			QPSK	50	0		23.27	0.5
				1	1		23.78	0
				1	26		23.87	0
				1	50		23.66	0
				25	0		22.80	1
				25	14		23.81	0
			16QAM	25	27		22.86	1
				50	0		22.82	1
				1	1		22.80	1
				1	1		21.40	2.5
			256QAM	1	1		18.81	4.5
				CP	QPSK	1	1	

NR Band n12_ 15 MHz Bandwidth _ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]		MPR [dB]
						141500	707.5 MHz	
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		23.83	0
				1	40		23.99	0
				1	77		23.80	0
				36	0		23.46	0.5
				36	22		23.96	0
				36	43		23.45	0.5
				75	0		23.48	0.5
			QPSK	1	1		23.89	0
				1	40		24.01	0
				1	77		23.77	0
				36	0		22.90	1
				36	22		23.98	0
				36	43		22.88	1
				75	0		23.04	1
			16QAM	1	1		22.88	1
			64QAM	1	1		21.53	2.5
			256QAM	1	1		18.96	4.5
CP	QPSK	1	1		22.32	1.5		

[NR Band n25 Conducted Power _ Main 1 Ant. (DSI 0)]

NR Band n25 _ 5 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						370500	376500	382500	
						1852.5 MHz	1882.5 MHz	1912.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.94	23.73	23.44	0
				1	13	23.92	23.71	23.47	0
				1	23	23.96	23.77	23.44	0
				12	0	23.53	23.30	23.12	0.5
				12	7	24.02	23.79	23.61	0
				12	13	23.53	23.30	23.12	0.5
			QPSK	25	0	23.58	23.37	23.09	0.5
				1	1	23.95	23.69	23.40	0
				1	13	23.89	23.62	23.42	0
				1	23	23.91	23.69	23.36	0
				12	0	23.13	22.83	22.66	1
				12	7	24.08	23.81	23.58	0
			16QAM	12	13	23.08	22.85	22.63	1
				25	0	23.16	22.87	22.66	1
				1	1	23.53	23.17	22.99	1
				1	1	21.50	21.22	20.95	2.5
			256QAM	1	1	19.46	19.19	18.98	4.5
				CP	QPSK	1	1	22.65	22.32

NR Band n25 _ 10 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						371000	376500	382000	
						1855 MHz	1882.5 MHz	1910 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	24.01	23.69	23.58	0
				1	26	24.01	23.75	23.49	0
				1	50	23.94	23.69	23.49	0
				25	0	23.67	23.36	23.20	0.5
				25	14	24.12	23.87	23.62	0
				25	27	23.59	23.31	23.17	0.5
			QPSK	50	0	23.65	23.31	23.16	0.5
				1	1	23.96	23.62	23.53	0
				1	26	23.97	23.65	23.47	0
				1	50	23.83	23.57	23.38	0
				25	0	23.20	22.89	22.75	1
				25	14	24.18	23.85	23.68	0
			16QAM	25	27	23.12	22.85	22.70	1
				50	0	23.19	22.83	22.65	1
				1	1	23.51	23.17	23.09	1
				1	1	21.53	21.16	21.07	2.5
			256QAM	1	1	19.44	19.09	19.03	4.5
				CP	QPSK	1	1	22.64	22.29

NR Band n25 _ 15 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						371500	376500	381500	
						1857.5 MHz	1882.5 MHz	1907.5 MHz	
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	24.17	23.89	23.82	0
				1	40	24.06	23.78	23.71	0
				1	77	23.99	23.86	23.68	0
				36	0	23.74	23.48	23.41	0.5
				36	22	24.21	23.96	23.85	0
				36	43	23.66	23.47	23.36	0.5
				75	0	23.74	23.51	23.42	0.5
			QPSK	1	1	24.12	23.84	23.76	0
				1	40	24.03	23.69	23.65	0
				1	77	23.96	23.74	23.57	0
				36	0	23.29	23.00	22.93	1
				36	22	24.26	23.99	23.93	0
				36	43	23.20	23.01	22.94	1
				75	0	23.31	23.02	22.91	1
			16QAM	1	1	23.68	23.36	23.31	1
			64QAM	1	1	21.67	21.38	21.33	2.5
			256QAM	1	1	19.65	19.31	19.34	4.5
			CP	QPSK	1	1	22.78	22.48	22.44

NR Band n25 _ 20 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						372000	376500	381000	
						1860 MHz	1882.5 MHz	1905 MHz	
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	24.11	23.84	23.83	0
				1	53	24.01	23.79	23.74	0
				1	104	23.90	23.79	23.70	0
				50	0	23.75	23.49	23.53	0.5
				50	28	24.21	23.97	23.92	0
				50	56	23.63	23.49	23.42	0.5
				100	0	23.70	23.46	23.41	0.5
			QPSK	1	1	24.04	23.80	23.84	0
				1	53	23.96	23.71	23.67	0
				1	104	23.86	23.73	23.60	0
				50	0	23.30	23.05	23.08	1
				50	28	24.26	24.00	23.97	0
				50	56	23.14	23.02	22.96	1
				100	0	23.22	22.98	22.98	1
			16QAM	1	1	23.62	23.30	23.33	1
			64QAM	1	1	21.59	21.33	21.35	2.5
			256QAM	1	1	19.65	19.34	19.40	4.5
			CP	QPSK	1	1	22.73	22.44	22.46

NR Band n25 _ 25 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
							376500		
							1882.5 MHz		
25 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		23.89		0
				1	1		23.83		0
				1	1		23.82		0
				64	64		23.49		0.5
				64	64		23.97		0
				64	64		23.51		0.5
			QPSK	128	128		23.54		0.5
				1	1		23.84		0
				1	1		23.74		0
				1	1		23.76		0
				64	64		23.07		1
				64	64		24.03		0
				64	64		23.00		1
			128	128		23.05		1	
			16QAM	1	1		23.32		1
			64QAM	1	1		21.41		2.5
			256QAM	1	1		19.66		4.5
CP	QPSK	1	1		22.52		1.5		

NR Band n25 _ 30 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
							376500		
							1882.5 MHz		
30 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		24.06		0
				1	1		23.98		0
				1	1		23.90		0
				80	80		23.69		0.5
				80	80		24.01		0
				80	80		23.52		0.5
			QPSK	160	160		23.59		0.5
				1	1		24.03		0
				1	1		23.92		0
				1	1		23.86		0
				80	80		23.22		1
				80	80		24.07		0
				80	80		23.07		1
			160	160		23.07		1	
			16QAM	1	1		23.54		1
			64QAM	1	1		21.53		2.5
			256QAM	1	1		19.58		4.5
CP	QPSK	1	1		22.68		1.5		

NR Band n25 _ 40 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]		MPR [dB]
						376500	1882.5 MHz	
40 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		23.91	0
				1	108		23.83	0
				1	214		23.73	0
				108	0		23.53	0.5
				108	54		23.98	0
				108	108		23.35	0.5
				216	0		23.45	0.5
			QPSK	1	1		23.72	0
				1	108		23.77	0
				1	214		23.90	0
				108	0		22.93	1
				108	54		24.05	0
				108	108		22.88	1
				216	0		23.06	1
			16QAM	1	1		23.42	1
			64QAM	1	1		21.44	2.5
			256QAM	1	1		19.43	4.5
CP	QPSK	1	1		22.53	1.5		

[NR Band n26 Conducted Power _ Main 1 Ant. (DSI 0)]

NR Band n26 _ 5 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						163300	166300	169300	
						816.5 MHz	831.5 MHz	846.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	24.12	24.20	24.33	0
				1	13	24.13	24.30	24.34	0
				1	23	24.17	24.35	24.28	0
				12	0	23.07	23.81	23.94	0.5
				12	7	24.07	24.37	24.44	0
				12	13	23.68	23.86	23.93	0.5
			QPSK	25	0	23.66	23.93	23.92	0.5
				1	1	23.96	24.11	24.24	0
				1	13	23.94	24.18	24.22	0
				1	23	24.04	24.16	24.18	0
				12	0	23.14	23.30	23.44	1
				12	7	24.08	24.39	24.43	0
			16QAM	12	13	23.24	23.37	23.42	1
				25	0	23.13	23.40	23.47	1
				1	1	23.53	23.69	23.84	1
				1	1	21.43	21.59	21.75	2.5
				1	1	19.39	19.54	19.66	4.5
				CP	QPSK	1	1	22.49	22.62

NR Band n26 _ 10 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						163800	166300	168800	
						819 MHz	831.5 MHz	844 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.99	24.17	24.36	0
				1	26	24.04	24.28	24.35	0
				1	50	24.08	24.27	24.26	0
				25	0	23.57	23.84	23.86	0.5
				25	14	24.15	24.42	24.46	0
				25	27	23.73	23.91	23.93	0.5
			QPSK	50	0	23.64	23.89	23.93	0.5
				1	1	24.00	24.04	24.21	0
				1	26	24.04	24.14	24.26	0
				1	50	24.10	24.15	24.16	0
				25	0	23.15	23.37	23.40	1
				25	14	24.19	24.41	24.48	0
			16QAM	25	27	23.21	23.38	23.47	1
				50	0	23.19	23.44	23.49	1
				1	1	23.11	23.56	23.70	1
				1	1	21.37	21.56	21.71	2.5
				1	1	19.31	19.40	19.62	4.5
				CP	QPSK	1	1	22.47	22.58

NR Band n26 _ 15 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]		MPR [dB]	
						164300	168300		
						821.5 MHz	841.5 MHz		
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	24.08		24.35	0
				1	40	24.22		24.42	0
				1	77	24.39		24.39	0
				36	0	23.73		23.94	0.5
				36	22	24.29		24.46	0
				36	43	23.84		24.06	0.5
				75	0	23.84		24.02	0.5
			QPSK	1	1	24.00		24.28	0
				1	40	24.11		24.31	0
				1	77	24.23		24.29	0
				36	0	23.22		23.49	1
				36	22	24.30		24.47	0
				36	43	23.39		23.52	1
				75	0	23.39		23.55	1
			16QAM	1	1	23.57		23.78	1
			64QAM	1	1	21.50		21.76	2.5
			256QAM	1	1	19.48		19.70	4.5
			CP	QPSK	1	1	22.70		22.88

NR Band n26 _ 20 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]		MPR [dB]	
							166300		
							831.5 MHz		
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		24.18		0
				1	53		24.33		0
				1	104		24.43		0
				50	0		23.92		0.5
				50	28		24.47		0
				50	56		23.96		0.5
				100	0		24.00		0.5
			QPSK	1	1		24.30		0
				1	53		24.25		0
				1	104		24.11		0
				50	0		23.42		1
				50	28		24.48		0
				50	56		23.42		1
				100	0		23.53		1
			16QAM	1	1		23.62		1
			64QAM	1	1		21.60		2.5
			256QAM	1	1		19.50		4.5
			CP	QPSK	1	1		22.65	

[NR Band n30 Conducted Power _ Main 1 Ant. (DSI 0)]

NR Band n30_ 5 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]		MPR [dB]
						462000	2310 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		22.63	0
				1	13		22.71	0
				1	23		22.59	0
				12	0		22.17	0.5
				12	7		22.77	0
				12	13		22.13	0.5
				25	0		22.26	0.5
			QPSK	1	1		22.59	0
				1	13		22.60	0
				1	23		22.52	0
				12	0		21.73	1
				12	7		22.73	0
				12	13		21.67	1
				25	0		21.78	1
		16QAM	1	1		22.14	1	
		64QAM	1	1		20.12	2.5	
		256QAM	1	1		18.02	4.5	
CP	QPSK	1	1		21.24	1.5		

NR Band n30_ 10 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]		MPR [dB]
						462000	2310 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		22.63	0
				1	26		22.65	0
				1	50		22.60	0
				25	0		22.29	0.5
				25	14		22.74	0
				25	27		22.22	0.5
				50	0		22.25	0.5
			QPSK	1	1		22.57	0
				1	26		22.60	0
				1	50		22.48	0
				25	0		21.87	1
				25	14		22.79	0
				25	27		21.68	1
				50	0		21.79	1
		16QAM	1	1		22.19	1	
		64QAM	1	1		20.16	2.5	
		256QAM	1	1		18.00	4.5	
CP	QPSK	1	1		21.24	1.5		

[NR Band n41 Conducted Power_Power Class 3 _ Main 1 Ant. (DSI 0)]

NR Band n41 _10 MHz Bandwidth_ Maximum Conducted Power (Power Class 3)

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]
						500202	509400	518598	527802	537000	
						2501.01 MHz	2547 MHz	2592.99 MHz	2639.01 MHz	2685 MHz	
10 MHz	30	DFT-s	pi/2 BPSK	1	1	18.66	18.36	18.18	17.98	17.48	0
				1	12	18.68	18.40	18.14	18.13	17.44	0
				1	22	18.68	18.47	18.08	18.13	17.41	0
				12	0	18.68	18.38	18.16	18.00	17.45	0
				12	6	18.70	18.44	18.18	18.09	17.43	0
				12	12	18.71	18.48	18.16	18.14	17.44	0
				24	0	18.68	18.44	18.16	18.10	17.45	0
			QPSK	1	1	18.62	18.30	18.13	17.94	17.40	0
				1	12	18.65	18.34	18.08	18.05	17.34	0
				1	22	18.65	18.39	18.01	18.03	17.34	0
				12	0	18.70	18.44	18.18	18.01	17.49	0
				12	6	18.71	18.47	18.15	18.13	17.45	0
				12	12	18.73	18.52	18.15	18.13	17.44	0
				24	0	18.71	18.48	18.19	18.14	17.45	0
		16QAM	1	1	18.80	18.35	18.15	17.97	17.42	0	
		64QAM	1	1	18.17	17.97	17.77	17.49	17.18	0	
		256QAM	1	1	18.25	18.11	17.90	17.69	17.24	0	
		CP	QPSK	1	1	18.72	18.59	18.40	18.07	17.60	0

NR Band n41 _15 MHz Bandwidth_ Maximum Conducted Power (Power Class 3)

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]
						500700	509664	518598	527562	536496	
						2503.5 MHz	2548.32 MHz	2592.99 MHz	2637.81 MHz	2682.48 MHz	
15 MHz	30	DFT-s	pi/2 BPSK	1	1	18.86	18.62	18.46	18.12	17.98	0
				1	18	18.84	18.60	18.21	18.05	17.92	0
				1	36	18.83	18.71	18.19	18.15	17.80	0
				18	0	18.96	18.63	18.36	18.12	18.00	0
				18	9	18.90	18.62	18.26	18.06	17.92	0
				18	18	18.87	18.68	18.24	18.06	17.89	0
				36	0	18.94	18.65	18.28	18.08	17.92	0
			QPSK	1	1	18.79	18.55	18.37	18.03	17.92	0
				1	18	18.79	18.49	18.18	17.95	17.87	0
				1	36	18.76	18.60	18.17	18.08	17.75	0
				18	0	18.98	18.66	18.38	18.10	17.99	0
				18	9	18.92	18.62	18.28	18.09	17.94	0
				18	18	18.92	18.62	18.23	18.08	17.88	0
				36	0	18.93	18.63	18.31	18.11	17.96	0
		16QAM	1	1	18.74	18.59	18.52	18.14	18.04	0	
		64QAM	1	1	18.43	18.11	17.90	17.62	17.58	0	
		256QAM	1	1	18.55	18.35	18.06	17.77	17.65	0	
		CP	QPSK	1	1	18.83	18.64	18.41	18.15	18.03	0

NR Band n41_20 MHz Bandwidth_ Maximum Conducted Power (Power Class 3)

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]
						501204	509898	518598	527298	535998	
						2506.02 MHz	2549.49 MHz	2592.99 MHz	2636.49 MHz	2679.99 MHz	
20 MHz	30	DFT-s	pi/2 BPSK	1	1	18.69	18.65	18.50	18.09	17.93	0
				1	26	18.65	18.60	18.21	18.03	17.91	0
				1	49	18.75	18.71	18.15	18.13	17.75	0
				25	0	18.79	18.68	18.39	18.10	17.89	0
				25	13	18.74	18.68	18.28	18.05	17.95	0
				25	26	18.83	18.73	18.22	18.15	17.89	0
			QPSK	50	0	18.75	18.70	18.29	18.08	17.96	0
				1	1	18.62	18.56	18.43	17.98	17.85	0
				1	26	18.59	18.54	18.14	17.94	17.84	0
				1	49	18.68	18.62	18.09	18.05	17.68	0
				25	0	18.80	18.67	18.43	18.07	17.90	0
				25	13	18.76	18.67	18.33	18.08	17.98	0
			16QAM	25	26	18.80	18.70	18.23	18.18	17.87	0
				50	0	18.73	18.68	18.32	18.06	17.93	0
				1	1	18.59	18.64	18.39	18.07	17.81	0
			64QAM	1	1	18.27	18.14	18.06	17.62	17.48	0
1	1	18.39		18.26	18.12	17.79	17.56	0			
256QAM	1	1	18.39	18.26	18.12	17.79	17.56	0			
CP	QPSK	1	1	18.67	18.60	18.58	18.15	18.00	0		

NR Band n41_30 MHz Bandwidth_ Maximum Conducted Power (Power Class 3)

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]
						502200	510402	518598	526800	534996	
						2511 MHz	2552.01 MHz	2592.99 MHz	2634 MHz	2674.98 MHz	
30 MHz	30	DFT-s	pi/2 BPSK	1	1	18.82	18.86	18.70	18.28	18.26	0
				1	39	18.74	18.85	18.38	18.33	17.97	0
				1	76	18.92	19.02	18.28	18.44	17.93	0
				36	0	18.87	18.85	18.56	18.29	18.11	0
				36	21	18.92	18.86	18.42	18.34	17.97	0
				36	42	18.85	18.94	18.40	18.39	18.01	0
				75	0	18.95	18.91	18.45	18.38	18.04	0
			QPSK	1	1	18.75	18.75	18.62	18.22	18.18	0
				1	39	18.72	18.73	18.29	18.22	17.85	0
				1	76	18.86	18.93	18.21	18.38	17.88	0
				36	0	18.88	18.83	18.58	18.29	18.16	0
				36	21	18.88	18.82	18.38	18.34	17.98	0
				36	42	18.86	18.93	18.38	18.35	18.04	0
				75	0	18.92	18.89	18.44	18.36	18.02	0
			16QAM	1	1	18.96	18.71	18.77	18.28	18.22	0
				1	1	18.33	18.38	18.20	17.77	17.77	0
1	1	18.46		18.47	18.36	17.92	17.93	0			
256QAM	1	1	18.46	18.47	18.36	17.92	17.93	0			
CP	QPSK	1	1	18.92	18.96	18.88	18.32	18.24	0		

NR Band n41_40 MHz Bandwidth_ Maximum Conducted Power (Power Class 3)

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]
						503202	513468		523734	534000	
						2516.01 MHz	2567.34 MHz		2618.67 MHz	2670 MHz	
40 MHz	30	DFT-s	pi/2 BPSK	1	1	18.79	18.82		18.28	18.33	0
				1	53	18.70	18.77		18.10	17.94	0
				1	104	18.85	18.58		18.34	17.92	0
				50	0	18.73	18.79		18.15	18.23	0
				50	28	18.75	18.79		18.16	18.05	0
				50	56	18.79	18.68		18.33	18.03	0
			100	0	18.75	18.81		18.22	18.10	0	
			QPSK	1	1	18.71	18.74		18.24	18.27	0
				1	53	18.62	18.71		18.03	17.86	0
				1	104	18.79	18.54		18.29	17.88	0
				50	0	18.76	18.75		18.15	18.23	0
				50	28	18.73	18.82		18.17	18.00	0
				50	56	18.83	18.67		18.32	18.02	0
			100	0	18.80	18.79		18.22	18.09	0	
			16QAM	1	1	18.79	18.88		18.21	18.28	0
			64QAM	1	1	18.33	18.25		17.86	17.94	0
			256QAM	1	1	18.51	18.43		17.93	18.00	0
			CP	QPSK	1	1	18.94	18.99		18.24	18.39

NR Band n41_50 MHz Bandwidth_ Maximum Conducted Power (Power Class 3)

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)				MPR [dB]	
						504204		518598			532998
						2521.02 MHz		2592.99 MHz			2664.99 MHz
50 MHz	30	DFT-s	pi/2 BPSK	1	1	18.90		18.80		18.34	0
				1	67	19.19		18.26		18.06	0
				1	131	18.81		18.21		17.76	0
				64	0	19.16		18.60		18.20	0
				64	35	19.23		18.29		18.04	0
				64	69	19.08		18.19		17.91	0
				128	0	19.12		18.35		18.07	0
			QPSK	1	1	18.85		18.69		18.23	0
				1	67	19.18		18.20		17.97	0
				1	131	18.76		18.12		17.67	0
				64	0	19.18		18.63		18.21	0
				64	35	19.23		18.31		18.07	0
				64	69	19.09		18.20		17.91	0
			128	0	19.15		18.36		18.11	0	
			16QAM	1	1	19.01		18.70		18.29	0
			64QAM	1	1	18.40		18.35		17.81	0
			256QAM	1	1	18.52		18.37		17.95	0
			CP	QPSK	1	1	18.92		18.80		18.28

NR Band n41_60 MHz Bandwidth_ Maximum Conducted Power (Power Class 3)

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]	
						505200	518598	531996		
						2526 MHz	2592.99 MHz	2659.98 MHz		
60 MHz	30	DFT-s	pi/2 BPSK	1	1	18.64		18.76	18.20	0
				1	81	19.10		18.26	18.03	0
				1	160	18.71		18.17	17.63	0
				81	0	18.95		18.64	18.14	0
				81	41	19.03		18.30	18.04	0
				81	81	18.92		18.23	17.90	0
				162	0	18.94		18.40	18.08	0
			QPSK	1	1	18.62		18.66	18.10	0
				1	81	19.08		18.18	17.93	0
				1	160	18.62		18.07	17.55	0
				81	0	18.99		18.67	18.14	0
				81	41	19.06		18.34	18.06	0
				81	81	18.94		18.22	17.93	0
				162	0	18.96		18.36	18.06	0
			16QAM	1	1	18.56		18.73	18.07	0
			64QAM	1	1	18.25		18.25	17.74	0
			256QAM	1	1	18.34		18.33	17.77	0
			CP	QPSK	1	1	18.68		18.77	18.12

NR Band n41_70 MHz Bandwidth_ Maximum Conducted Power (Power Class 3)

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]	
						506208	530994			
						2531.04 MHz	2654.97 MHz			
70 MHz	30	DFT-s	pi/2 BPSK	1	1	18.69			18.10	0
				1	81	18.67			18.12	0
				1	160	18.59			17.75	0
				81	0	18.70			18.26	0
				81	41	18.64			18.14	0
				81	81	18.63			17.99	0
				162	0	18.67			18.10	0
			QPSK	1	1	18.64			18.01	0
				1	81	18.61			18.06	0
				1	160	18.53			17.66	0
				81	0	18.73			18.28	0
				81	41	18.61			18.15	0
				81	81	18.64			17.99	0
				162	0	18.66			18.07	0
			16QAM	1	1	18.70			18.03	0
			64QAM	1	1	18.22			17.58	0
			256QAM	1	1	18.33			17.70	0
			CP	QPSK	1	1	18.71			18.07

NR Band n41_80 MHz Bandwidth_ Maximum Conducted Power (Power Class 3)

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)				MPR [dB]	
						507204			529998		
						2536.02 MHz			2649.99 MHz		
80 MHz	30	DFT-s	pi/2 BPSK	1	1	18.61				17.99	0
				1	109	18.46				18.02	0
				1	215	18.58				17.53	0
				108	0	18.61				18.02	0
				108	55	18.58				18.03	0
				108	109	18.55				17.78	0
				216	0	18.55				17.94	0
			QPSK	1	1	18.51				17.93	0
				1	109	18.38				17.95	0
				1	215	18.51				17.50	0
				108	0	18.67				18.02	0
				108	55	18.58				18.04	0
				108	109	18.58				17.77	0
				216	0	18.57				17.94	0
			16QAM	1	1	18.59				17.85	0
			64QAM	1	1	18.13				17.49	0
			256QAM	1	1	18.20				17.66	0
CP	QPSK	1	1	18.64				17.92	0		

NR Band n41_90 MHz Bandwidth_ Maximum Conducted Power (Power Class 3)

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)				MPR [dB]	
						508200			528996		
						2541 MHz			2644.98 MHz		
90 MHz	30	DFT-s	pi/2 BPSK	1	1	18.66				18.08	0
				1	123	18.52				18.21	0
				1	243	18.45				17.55	0
				120	0	18.73				18.11	0
				120	63	18.64				18.17	0
				120	125	18.59				17.89	0
				243	0	18.58				18.00	0
			QPSK	1	1	18.62				17.98	0
				1	123	18.50				18.11	0
				1	243	18.40				17.48	0
				120	0	18.73				18.11	0
				120	63	18.64				18.16	0
				120	125	18.57				17.89	0
				243	0	18.58				18.01	0
			16QAM	1	1	18.59				17.97	0
			64QAM	1	1	18.28				17.66	0
			256QAM	1	1	18.29				17.78	0
CP	QPSK	1	1	18.62				18.10	0		

NR Band n41 _100 MHz Bandwidth_ Maximum Conducted Power (Power Class 3)

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)				MPR [dB]			
								518598					
100 MHz	30	DFT-s	pi/2 BPSK	1	1			2592.99 MHz			0		
				1	137					18.61		0	
				1	271					18.17		0	
				135	0					18.10		0	
				135	69					18.58		0	
				135	138					18.26		0	
				270	0					18.10		0	
			QPSK	1	1					18.29		0	
				1	137					18.45		0	
				1	271					18.61		0	
				135	0					18.09		0	
				135	69					18.40		0	
				135	138					18.62		0	
				270	0					18.09		0	
			16QAM	1	1					18.34		0	
			64QAM	1	1					18.70		0	
			256QAM	1	1					18.14		0	
			CP	QPSK	1	1					18.34		0
											18.59		0

NR Band n41 Conducted Power_ Antenna: SRS_DSI 0

NR Band n41_ 100 MHz Bandwidth – Antenna: SRS 1

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
				518598		
				2592.99 MHz		
100 MHz	30	Zad-off chu sequence		18.60		0

NR Band n41_ 100 MHz Bandwidth – Antenna: SRS 2

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
				518598		
				2592.99 MHz		
100 MHz	30	Zad-off chu sequence		11.40		0

NR Band n41_ 100 MHz Bandwidth - Antenna: SRS 3

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
				518598		
				2592.99 MHz		
100 MHz	30	Zad-off chu sequence		13.60		0

NR Band n41_ 100 MHz Bandwidth - Antenna: SRS 4

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
				518598		
				2592.99 MHz		
100 MHz	30	Zad-off chu sequence		8.50		0

NR Band n41 Conducted Power_ Antenna: SRS_DSI 1

NR Band n41_ 100 MHz Bandwidth – Antenna: SRS 1

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
				518598		
100 MHz	30	Zad-off chu sequence		2592.99 MHz		0
				10.50		

NR Band n41_ 100 MHz Bandwidth – Antenna: SRS 2

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
				518598		
100 MHz	30	Zad-off chu sequence		2592.99 MHz		0
				10.30		

NR Band n41_ 100 MHz Bandwidth - Antenna: SRS 3

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
				518598		
100 MHz	30	Zad-off chu sequence		2592.99 MHz		0
				10.70		

NR Band n41_ 100 MHz Bandwidth - Antenna: SRS 4

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
				518598		
100 MHz	30	Zad-off chu sequence		2592.99 MHz		0
				8.50		

[NR Band n48 Conducted Power_ Main 2 Ant. (DSI 0)]

NR Band n48 _10 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]				MPR [dB]
						637000	640134	643200	646334	
						3555 MHz	3602.01 MHz	3648 MHz	3695.01 MHz	
10 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	15.80	15.39	15.36	15.21	0
				1	12	15.79	15.36	15.47	15.31	0
				1	22	15.67	15.29	15.46	15.36	0
				12	0	15.83	15.31	15.50	15.26	0
				12	6	15.84	15.39	15.50	15.38	0
				12	12	15.88	15.45	15.54	15.34	0
			QPSK	24	0	15.93	15.42	15.53	15.36	0
				1	1	15.90	15.37	15.37	15.20	0
				1	12	15.88	15.34	15.47	15.28	0
				1	22	15.75	15.34	15.46	15.29	0
				12	0	15.98	15.38	15.57	15.29	0
				12	6	15.95	15.44	15.55	15.38	0
			16QAM	12	12	15.94	15.48	15.55	15.42	0
				24	0	15.99	15.48	15.55	15.43	0
				1	1	16.00	15.40	15.45	15.20	0
				1	1	15.57	15.06	15.10	14.88	0
				1	1	15.72	15.19	15.16	14.99	0
256QAM	1	1	15.72	15.19	15.16	14.99	0			
CP	QPSK	1	1	15.95	15.53	15.47	15.29	0		

NR Band n48 _15 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]				MPR [dB]
						637166	640166	643166	646166	
						3557.49 MHz	3602.49 MHz	3647.49 MHz	3692.49 MHz	
15 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	16.06	15.49	15.47	15.51	0
				1	18	16.01	15.44	15.43	15.43	0
				1	36	15.89	15.47	15.59	15.65	0
				18	0	16.12	15.48	15.49	15.54	0
				18	9	15.94	15.53	15.50	15.54	0
				18	18	16.02	15.53	15.61	15.55	0
			QPSK	36	0	16.02	15.57	15.52	15.56	0
				1	1	16.09	15.47	15.43	15.50	0
				1	18	15.99	15.43	15.40	15.39	0
				1	36	15.86	15.45	15.55	15.59	0
				18	0	16.18	15.55	15.57	15.62	0
				18	9	16.03	15.56	15.52	15.56	0
			16QAM	18	18	16.05	15.54	15.65	15.56	0
				36	0	16.05	15.58	15.54	15.57	0
				1	1	16.17	15.58	15.51	15.59	0
				1	1	15.84	15.22	15.17	15.23	0
				1	1	15.89	15.29	15.25	15.30	0
256QAM	1	1	15.89	15.29	15.25	15.30	0			
CP	QPSK	1	1	16.14	15.53	15.55	15.55	0		

NR Band n48_20 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]				MPR [dB]
						637334	640222	643112	646000	
						3560.01 MHz	3603.33 MHz	3646.68 MHz	3690 MHz	
20 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	16.18	15.54	15.50	15.43	0
				1	26	15.94	15.44	15.45	15.45	0
				1	49	15.86	15.51	15.59	15.59	0
				25	0	16.18	15.56	15.55	15.55	0
				25	13	16.05	15.49	15.53	15.51	0
				25	26	15.94	15.59	15.63	15.52	0
			50	0	16.06	15.55	15.53	15.55	0	
			1	1	16.15	15.55	15.45	15.43	0	
			QPSK	1	26	15.92	15.44	15.40	15.37	0
				1	49	15.84	15.50	15.50	15.51	0
				25	0	16.20	15.56	15.55	15.56	0
				25	13	16.08	15.50	15.53	15.54	0
				25	26	15.96	15.61	15.65	15.57	0
			50	0	16.09	15.56	15.56	15.55	0	
			16QAM	1	1	16.22	15.59	15.47	15.51	0
			64QAM	1	1	15.89	15.21	15.15	15.18	0
			256QAM	1	1	15.96	15.33	15.30	15.24	0
CP	QPSK	1	26	16.27	15.61	15.56	15.53	0		

NR Band n48_40 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						638000	641666	645332	
						3570 MHz	3624.99 MHz	3679.98 MHz	
40 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	16.15	15.48	15.79	0
				1	53	15.68	15.39	15.65	0
				1	104	15.44	15.66	15.81	0
				50	0	15.92	15.57	15.72	0
				50	28	15.79	15.57	15.69	0
				50	56	15.58	15.62	15.71	0
			100	0	15.84	15.55	15.72	0	
			QPSK	1	1	16.14	15.51	15.79	0
				1	53	15.63	15.43	15.61	0
				1	104	15.37	15.68	15.78	0
				50	0	16.00	15.60	15.78	0
				50	28	15.82	15.59	15.70	0
				50	56	15.64	15.63	15.73	0
			100	0	15.86	15.58	15.74	0	
			16QAM	1	1	16.17	15.57	15.87	0
			64QAM	1	1	15.82	15.16	15.54	0
			256QAM	1	1	15.97	15.30	15.57	0
CP	QPSK	1	53	16.27	15.58	15.90	0		

NR Band n48 Conducted Power_ Antenna: SRS_DSI 0

NR Band n48_ 40 MHz Bandwidth – Antenna: SRS 1

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
			638000	641666	645334	
			3570 MHz	3624.99 MHz	3680.01 MHz	
40 MHz	30	Zad-off chu sequence	16.55	16.10	16.50	0

NR Band n48_ 40 MHz Bandwidth – Antenna: SRS 2

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
			638000	641666	645334	
			3570 MHz	3624.99 MHz	3680.01 MHz	
40 MHz	30	Zad-off chu sequence	9.94	9.27	10.15	0

NR Band n48_ 40 MHz Bandwidth - Antenna: SRS 3

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
			638000	641666	645334	
			3570 MHz	3624.99 MHz	3680.01 MHz	
40 MHz	30	Zad-off chu sequence	13.17	12.72	13.48	0

NR Band n48_ 40 MHz Bandwidth - Antenna: SRS 4

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
			638000	641666	645334	
			3570 MHz	3624.99 MHz	3680.01 MHz	
40 MHz	30	Zad-off chu sequence	16.07	15.59	16.18	0

NR Band n48 Conducted Power_ Antenna: SRS_DSI 1

NR Band n48_ 40 MHz Bandwidth – Antenna: SRS 1

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
			638000	641666	645334	
			3570 MHz	3624.99 MHz	3680.01 MHz	
40 MHz	30	Zad-off chu sequence	9.04	8.64	8.99	0

NR Band n48_ 40 MHz Bandwidth – Antenna: SRS 2

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
			638000	641666	645334	
			3570 MHz	3624.99 MHz	3680.01 MHz	
40 MHz	30	Zad-off chu sequence	9.37	8.80	9.61	0

NR Band n48_ 40 MHz Bandwidth - Antenna: SRS 3

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
			638000	641666	645334	
			3570 MHz	3624.99 MHz	3680.01 MHz	
40 MHz	30	Zad-off chu sequence	9.14	8.73	9.41	0

NR Band n48_ 40 MHz Bandwidth - Antenna: SRS 4

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
			638000	641666	645334	
			3570 MHz	3624.99 MHz	3680.01 MHz	
40 MHz	30	Zad-off chu sequence	9.29	8.87	9.55	0

[NR Band n66 Conducted Power_ Main 1 Ant. (DSI 0)]

NR Band n66 _5 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						342500	349000	355500	
						1712.5 MHz	1745 MHz	1777.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	24.20	24.44	23.95	0
				1	13	24.30	24.45	24.00	0
				1	23	24.33	24.44	23.99	0
				12	0	23.82	24.04	23.59	0.5
				12	7	24.37	24.56	24.09	0
				12	13	23.86	24.01	23.57	0.5
			25	0	23.91	24.10	23.63	0.5	
			QPSK	1	1	24.16	24.34	23.92	0
				1	13	24.19	24.37	23.91	0
				1	23	24.22	24.33	23.89	0
				12	0	23.37	23.58	23.08	1
				12	7	24.36	24.56	24.09	0
				12	13	23.40	23.53	23.11	1
			25	0	23.39	23.62	23.13	1	
			16QAM	1	1	23.70	23.92	23.46	1
			64QAM	1	1	21.69	21.91	21.48	2.5
			256QAM	1	1	19.64	19.82	19.42	4.5
			CP	QPSK	1	1	22.78	23.02	22.58

NR Band n66 _10 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						343000	349000	355000	
						1715 MHz	1745 MHz	1775 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	24.20	24.44	24.02	0
				1	26	24.33	24.47	24.04	0
				1	50	24.34	24.35	24.01	0
				25	0	23.92	24.05	23.66	0.5
				25	14	24.41	24.59	24.16	0
				25	27	23.93	24.07	23.65	0.5
			50	0	23.94	24.12	23.68	0.5	
			QPSK	1	1	24.17	24.40	23.99	0
				1	26	24.25	24.43	23.98	0
				1	50	24.29	24.25	23.93	0
				25	0	23.45	23.60	23.18	1
				25	14	24.44	24.60	24.16	0
				25	27	23.44	23.58	23.15	1
			50	0	23.44	23.57	23.19	1	
			16QAM	1	1	23.73	23.91	23.49	1
			64QAM	1	1	21.74	21.93	21.50	2.5
			256QAM	1	1	19.69	19.90	19.47	4.5
			CP	QPSK	1	1	22.84	23.02	22.62

NR Band n66 _ 15 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						343500	349000	354500	
						1717.5 MHz	1745 MHz	1772.5 MHz	
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	24.26	24.54	24.17	0
				1	40	24.45	24.48	24.02	0
				1	77	24.61	24.59	24.06	0
				36	0	24.09	24.22	23.86	0.5
				36	22	24.59	24.63	24.18	0
				36	43	24.17	24.17	23.69	0.5
			75	0	24.14	24.18	23.71	0.5	
			QPSK	1	1	24.26	24.48	24.10	0
				1	40	24.37	24.45	23.93	0
				1	77	24.54	24.49	23.98	0
				36	0	23.63	23.75	23.39	1
				36	22	24.66	24.68	24.20	0
				36	43	23.74	23.69	23.22	1
			75	0	23.67	23.76	23.28	1	
			16QAM	1	1	23.82	23.95	23.66	1
			64QAM	1	1	21.82	22.05	21.69	2.5
			256QAM	1	1	19.73	20.00	19.64	4.5
			CP	QPSK	1	1	22.91	23.14	22.79

NR Band n66 _ 20 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						344000	349000	354000	
						1720 MHz	1745 MHz	1770 MHz	
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	24.25	24.54	24.31	0
				1	53	24.44	24.48	24.16	0
				1	104	24.58	24.44	24.07	0
				50	0	24.04	24.19	23.84	0.5
				50	28	24.61	24.68	24.32	0
				50	56	24.13	24.15	23.75	0.5
			100	0	24.11	24.19	23.85	0.5	
			QPSK	1	1	24.25	24.46	24.28	0
				1	53	24.38	24.41	24.08	0
				1	104	24.54	24.39	24.02	0
				50	0	23.62	23.73	23.38	1
				50	28	24.69	24.69	24.36	0
				50	56	23.73	23.66	23.29	1
			100	0	23.67	23.70	23.36	1	
			16QAM	1	1	23.82	23.93	23.86	1
			64QAM	1	1	21.80	22.05	21.83	2.5
			256QAM	1	1	19.73	19.99	19.76	4.5
			CP	QPSK	1	1	22.93	23.16	22.92

NR Band n66 _ 30 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
							349000		
							1745 MHz		
30 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		24.57		0
				1	80		24.67		0
				1	158		24.42		0
				80	0		24.25		0.5
				80	40		24.68		0
				80	80		24.22		0.5
			QPSK	160	0		24.21		0.5
				1	1		24.54		0
				1	80		24.62		0
				1	158		24.37		0
				80	0		23.78		1
				80	40		24.74		0
			16QAM	80	80		23.73		1
				160	0		23.78		1
				1	1		23.96		1
				1	1		22.07		2.5
256QAM	1	1		20.05		4.5			
	CP	QPSK	1	1		23.19		1.5	

NR Band n66 _ 40 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
							349000		
							1745 MHz		
40 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		24.54		0
				1	108		24.68		0
				1	214		24.26		0
				108	0		24.22		0.5
				108	54		24.73		0
				108	108		24.13		0.5
			QPSK	216	0		24.23		0.5
				1	1		24.52		0
				1	108		24.61		0
				1	214		24.22		0
				108	0		23.75		1
				108	54		24.75		0
			16QAM	108	108		23.69		1
				216	0		23.78		1
				1	1		23.98		1
				1	1		22.07		2.5
256QAM	1	1		19.96		4.5			
	CP	QPSK	1	1		23.17		1.5	

[NR Band n71 Conducted Power_ Main 1 Ant. (DSI 0)]

NR Band n71 _ 5 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						133100	136100	139100	
						665.5 MHz	680.5 MHz	695.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.98	23.55	23.61	0
				1	13	24.06	23.64	23.66	0
				1	23	23.98	23.54	23.73	0
				12	0	23.50	23.14	23.21	0.5
				12	7	24.13	23.63	23.75	0
				12	13	23.56	23.11	23.26	0.5
			25	0	23.55	23.15	23.22	0.5	
			QPSK	1	1	23.93	23.49	23.54	0
				1	13	23.98	23.48	23.62	0
				1	23	23.91	23.43	23.61	0
				12	0	23.07	22.64	22.74	1
				12	7	24.12	23.65	23.48	0
				12	13	23.14	22.62	22.61	1
			25	0	23.07	22.64	22.55	1	
			16QAM	1	1	23.35	22.94	22.86	1
			64QAM	1	1	21.36	20.94	20.86	2.5
			256QAM	1	1	19.31	18.88	18.79	4.5
			CP	QPSK	1	1	22.54	22.08	22.03

NR Band n71 _ 10 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						133600	136100	138600	
						668 MHz	680.5 MHz	693 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.90	23.43	23.48	0
				1	26	23.92	23.54	23.61	0
				1	50	23.98	23.58	23.69	0
				25	0	23.46	23.05	23.18	0.5
				25	14	23.95	23.52	23.69	0
				25	27	23.45	23.04	23.15	0.5
			50	0	23.45	23.04	23.16	0.5	
			QPSK	1	1	23.83	23.35	23.44	0
				1	26	23.81	23.46	23.56	0
				1	50	23.90	23.46	23.54	0
				25	0	23.02	22.59	22.68	1
				25	14	24.02	23.59	23.66	0
				25	27	22.99	22.53	22.66	1
			50	0	22.97	22.60	22.67	1	
			16QAM	1	1	23.30	22.88	22.94	1
			64QAM	1	1	21.32	20.84	20.89	2.5
			256QAM	1	1	19.24	18.75	18.85	4.5
			CP	QPSK	1	1	22.43	21.99	22.06

NR Band n71 _ 15 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							136100		
							680.5 MHz		
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		23.52		0
				1	40		23.56		0
				1	77		23.61		0
				36	0		23.18		0.5
				36	22		23.64		0
				36	43		23.11		0.5
			QPSK	75	0		23.16		0.5
				1	1		23.45		0
				1	40		23.53		0
				1	77		23.54		0
				36	0		22.69		1
				36	22		23.61		0
			16QAM	36	43		22.58		1
				75	0		22.73		1
				1	1		22.92		1
		64QAM	1	1		20.94		2.5	
1	1			18.89		4.5			
256QAM	1	1		22.11		1.5			
	CP	QPSK	1	1					

NR Band n71 _ 20 MHz Bandwidth_ Maximum Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							136100		
							680.5 MHz		
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		23.49		0
				1	53		23.57		0
				1	104		23.56		0
				50	0		23.20		1
				50	28		23.60		0
				50	56		23.11		1
				100	0		23.19		1
			QPSK	1	1		23.43		0
				1	53		23.48		0
				1	104		23.46		0
				50	0		22.74		1
				50	28		23.64		0
				50	56		22.59		1
				100	0		22.67		1
			16QAM	1	1		22.92		1
		1		1		20.87		2.5	
1	1			18.81		4.5			
256QAM	1	1		22.09		1.5			
	CP	QPSK	1	1					

NR Band n77 Conducted Power_Power Class 3_NSA_Main 2 Ant_DSI 0

NR Band n77_ 10 MHz Bandwidth_ Maximum Conducted Power _ Power Class 3 _ NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						647000	650600	654200	657800	661400	665000	
						3705 MHz	3759 MHz	3813 MHz	3867 MHz	3921 MHz	3975 MHz	
10 MHz	30	DFT-s	pi/2 BPSK	1	1	17.71	18.27	18.50	18.53	18.13	18.25	0
				1	12	17.78	18.50	18.56	18.64	18.17	18.43	0
				1	22	17.85	18.48	18.50	18.59	18.06	18.54	0
				12	0	17.79	18.46	18.58	18.63	18.18	18.46	0
				12	6	17.80	18.52	18.60	18.65	18.18	18.53	0
				12	12	17.91	18.51	18.58	18.65	18.16	18.55	0
			QPSK	24	0	17.80	18.51	18.63	18.65	18.20	18.54	0
				1	1	17.73	18.35	18.54	18.59	18.18	18.32	0
				1	12	17.75	18.54	18.56	18.66	18.19	18.47	0
				1	22	17.82	18.50	18.45	18.61	18.08	18.54	0
				12	0	17.84	18.54	18.65	18.73	18.24	18.57	0
				12	6	17.82	18.61	18.66	18.73	18.23	18.58	0
				12	12	17.92	18.62	18.63	18.71	18.21	18.64	0
				24	0	17.83	18.58	18.67	18.71	18.24	18.62	0
			16QAM	1	1	17.65	18.39	18.59	18.65	18.25	18.33	0
			64QAM	1	1	17.35	18.05	18.21	18.27	17.79	17.99	0
			256QAM	1	1	17.37	18.05	18.26	18.31	17.86	18.04	0
CP	QPSK	1	1	17.74	18.41	18.60	18.57	18.03	18.34	0		

NR Band n77_ 15 MHz Bandwidth_ Maximum Conducted Power_ Power Class 3 _ NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						647168	650700	654232	657766	661300	664832	
						3707.52 MHz	3760.5 MHz	3813.49 MHz	3866.5 MHz	3919.5 MHz	3972.48 MHz	
15 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	17.80	18.56	18.72	18.71	18.44	18.56	0
				1	18	17.77	18.56	18.72	18.69	18.31	18.59	0
				1	36	17.92	18.71	18.81	18.84	18.38	18.79	0
				18	0	17.85	18.63	18.86	18.80	18.45	18.64	0
				18	9	17.85	18.64	18.80	18.77	18.40	18.65	0
				18	18	18.00	18.71	18.80	18.80	18.41	18.70	0
				36	0	17.88	18.67	18.88	18.81	18.47	18.69	0
			QPSK	1	1	17.88	18.62	18.73	18.80	18.48	18.62	0
				1	18	17.81	18.58	18.73	18.70	18.33	18.64	0
				1	36	17.97	18.77	18.77	18.84	18.42	18.83	0
				18	0	17.95	18.72	18.91	18.83	18.56	18.70	0
				18	9	17.90	18.72	18.88	18.83	18.46	18.69	0
				18	18	18.03	18.77	18.89	18.84	18.47	18.74	0
			16QAM	1	1	17.94	18.73	18.94	18.84	18.48	18.71	0
			64QAM	1	1	17.61	18.36	18.47	18.40	18.22	18.31	0
			256QAM	1	1	17.62	18.34	18.49	18.46	18.23	18.35	0
			CP	QPSK	1	1	17.89	18.66	18.78	18.77	18.49	18.64

NR Band n77_ 20 MHz Bandwidth_ Maximum Conducted Power_ Power Class 3 _ NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						647334	650800	654266	657734	661200	664666	
						3710.01 MHz	3762 MHz	3813.99 MHz	3866.01 MHz	3918 MHz	3969.99 MHz	
20 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	17.87	18.56	18.59	18.64	18.43	18.53	0
				1	26	17.91	18.61	18.60	18.67	18.34	18.60	0
				1	49	17.98	18.83	18.66	18.79	18.35	18.81	0
				25	0	17.90	18.70	18.76	18.75	18.46	18.60	0
				25	13	18.01	18.72	18.73	18.78	18.44	18.64	0
				25	26	18.04	18.77	18.78	18.82	18.45	18.72	0
			QPSK	1	1	17.96	18.64	18.70	18.70	18.51	18.64	0
				1	26	17.96	18.63	18.71	18.67	18.36	18.62	0
				1	49	18.01	18.87	18.73	18.80	18.38	18.79	0
				25	0	17.99	18.80	18.91	18.82	18.56	18.68	0
				25	13	18.06	18.77	18.86	18.81	18.50	18.68	0
				25	26	18.11	18.81	18.85	18.87	18.50	18.72	0
			16QAM	1	1	17.95	18.71	18.81	18.78	18.57	18.65	0
			64QAM	1	1	17.63	18.33	18.47	18.42	18.19	18.30	0
			256QAM	1	1	17.71	18.36	18.45	18.46	18.23	18.31	0
			CP	QPSK	1	1	18.00	18.63	18.77	18.77	18.52	18.62

NR Band n77_ 30 MHz Bandwidth_ Maximum Conducted Power_ Power Class 3 _ NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						647668	651000	654334	657666	661000	664332	
						3715.02 MHz	3765 MHz	3815.01 MHz	3864.99 MHz	3915 MHz	3964.98 MHz	
30 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	17.92	18.47	18.64	18.98	18.54	18.23	0
				1	39	18.00	18.64	18.73	18.84	18.40	18.34	0
				1	76	18.25	18.91	18.79	18.83	18.41	18.55	0
				36	0	17.99	18.64	18.84	18.95	18.57	18.34	0
				36	21	18.10	18.67	18.80	18.91	18.51	18.49	0
				36	42	18.18	18.90	18.84	18.92	18.45	18.52	0
			QPSK	75	0	18.15	18.74	18.83	18.98	18.53	18.57	0
				1	1	17.96	18.55	18.74	19.00	18.61	18.46	0
				1	39	18.06	18.67	18.73	18.85	18.47	18.55	0
				1	76	18.23	18.92	18.80	18.80	18.41	18.68	0
				36	0	18.06	18.73	18.90	19.05	18.63	18.50	0
				36	21	18.15	18.75	18.87	18.97	18.53	18.63	0
			16QAM	36	42	18.20	18.94	18.85	18.95	18.49	18.70	0
				75	0	18.16	18.77	18.90	18.98	18.58	18.68	0
				1	1	18.09	18.64	18.76	19.09	18.71	18.62	0
				1	1	17.74	18.20	18.42	18.68	18.27	18.18	0
256QAM	1	1	17.68	18.23	18.45	18.72	17.95	18.22	0			
CP	QPSK	1	1	17.98	18.52	18.75	19.04	18.24	18.52	0		

NR Band n77_ 40 MHz Bandwidth_ Maximum Conducted Power_ Power Class 3 _ NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						648000	651200	654400	657600	660800	664000	
						3720 MHz	3768 MHz	3816 MHz	3864 MHz	3912 MHz	3960 MHz	
40 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	18.13	18.46	18.76	18.95	18.86	18.50	0
				1	53	17.98	18.51	18.68	18.81	18.49	18.61	0
				1	104	18.31	18.77	18.80	18.79	18.36	18.91	0
				50	0	17.78	18.58	18.73	18.92	18.74	18.52	0
				50	28	17.82	18.72	18.75	18.90	18.58	18.65	0
				50	56	18.03	18.80	18.79	18.86	18.48	18.75	0
			QPSK	100	0	17.98	18.77	18.85	18.94	18.63	18.71	0
				1	1	18.02	18.60	18.82	19.00	18.93	18.53	0
				1	53	17.87	18.64	18.70	18.82	18.50	18.62	0
				1	104	18.19	18.83	18.80	18.78	18.35	18.90	0
				50	0	18.02	18.73	18.81	19.00	18.81	18.59	0
				50	28	18.10	18.85	18.83	18.95	18.61	18.71	0
			16QAM	50	56	18.26	18.91	18.86	18.91	18.51	18.81	0
				100	0	18.15	18.89	18.89	18.98	18.68	18.72	0
				1	1	17.84	18.72	18.89	19.02	18.97	18.70	0
			64QAM	1	1	17.52	18.30	18.51	18.67	18.60	18.21	0
			256QAM	1	1	17.65	18.29	18.46	18.70	18.59	18.23	0
CP	QPSK	1	1	18.00	18.64	18.82	18.96	18.84	18.59	0		

NR Band n77_ 50 MHz Bandwidth_ Maximum Conducted Power_ Power Class 3 _ NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						648334	652166	656000		659834	663666	
						3725.01 MHz	3782.49 MHz	3840 MHz		3897.51 MHz	3954.99 MHz	
50 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	17.61	18.45	18.56		18.50	18.25	0
				1	67	17.86	18.53	18.67		18.29	18.31	0
				1	131	18.12	18.55	18.77		18.13	18.43	0
				64	0	17.78	18.64	18.63		18.59	18.24	0
				64	35	17.94	18.63	18.72		18.41	18.34	0
				64	69	18.13	18.67	18.73		18.27	18.21	0
				128	0	17.97	18.62	18.74		18.38	18.30	0
			QPSK	1	1	17.69	18.59	18.63		18.58	18.24	0
				1	67	17.91	18.64	18.69		18.33	18.25	0
				1	131	18.13	18.65	18.78		18.12	18.39	0
				64	0	17.86	18.78	18.72		18.65	18.29	0
				64	35	17.98	18.79	18.81		18.49	18.35	0
				64	69	18.18	18.79	18.79		18.32	18.34	0
			16QAM	128	0	18.00	18.76	18.80		18.45	18.40	0
				1	1	17.75	18.74	18.66		18.74	18.42	0
				1	1	17.36	18.35	18.31		18.23	17.93	0
			64QAM	1	1	17.18	18.32	18.29		18.25	17.93	0
256QAM	1	1	17.18	18.32	18.29		18.25	17.93	0			
CP	QPSK	1	1	17.49	18.69	18.59		18.61	18.27	0		

NR Band n77_60 MHz Bandwidth _ Maximum Conducted Power_ Power Class 3 _ NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]	
						648668	653556			658444		663332
						3730.02 MHz	3803.34 MHz			3876.66 MHz		3949.98 MHz
60 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	17.66	18.64			18.52	18.09	0
				1	81	17.82	18.66			19.08	18.46	0
				1	160	18.29	18.51			18.39	18.22	0
				81	0	17.84	18.73			18.94	18.38	0
				81	41	17.97	18.75			19.09	18.53	0
				81	81	18.16	18.67			18.96	18.48	0
			162	0	18.03	18.80			18.98	18.46	0	
			QPSK	1	1	17.78	18.71			18.61	18.16	0
				1	81	17.89	18.70			19.08	18.52	0
				1	160	18.29	18.52			18.41	18.23	0
				81	0	17.98	18.81			19.01	18.48	0
				81	41	18.04	18.84			19.16	18.60	0
				81	81	18.21	18.74			19.00	18.54	0
			162	0	18.09	18.86			19.01	18.52	0	
			16QAM	1	1	17.96	18.91			18.66	18.33	0
			64QAM	1	1	17.45	18.44			18.28	17.85	0
			256QAM	1	1	17.40	18.42			18.27	17.79	0
			CP	QPSK	1	1	17.71	18.71			18.61	18.16

NR Band n77_70 MHz Bandwidth _ Maximum Conducted Power_ Power Class 3 _ NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]	
						649000	654336			658334		663000
						3735 MHz	3804.99 MHz			3875.01 MHz		3945 MHz
70 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	17.61	18.62			18.45	18.08	0
				1	95	17.91	18.59			18.59	17.99	0
				1	187	18.34	18.43			18.30	18.20	0
				90	0	17.76	18.68			18.58	18.03	0
				90	50	17.99	18.66			18.66	18.06	0
				90	99	18.17	18.50			18.58	18.15	0
			180	0	18.02	18.72			18.62	18.11	0	
			QPSK	1	1	17.69	18.70			18.53	18.13	0
				1	95	17.96	18.61			18.64	17.97	0
				1	187	18.33	18.43			18.32	18.17	0
				90	0	17.86	18.77			18.66	18.09	0
				90	50	18.06	18.74			18.69	18.10	0
				90	99	18.22	18.57			18.62	18.20	0
			180	0	18.10	18.75			18.66	18.16	0	
			16QAM	1	1	17.74	18.87			18.56	18.15	0
			64QAM	1	1	17.39	18.42			18.16	17.76	0
			256QAM	1	1	17.38	18.38			18.18	17.74	0
			CP	QPSK	1	1	17.69	18.68			18.52	18.10

NR Band n77_80 MHz Bandwidth_ Maximum Conducted Power_ Power Class 3_ NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)				MPR [dB]	
						649334	656000	662666			
						3740.01 MHz	3840 MHz	3939.99 MHz			
80 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	17.70		18.31		18.17	0
				1	109	18.02		18.41		17.93	0
				1	215	18.32		18.43		18.07	0
				108	0	18.01		18.41		18.11	0
				108	55	18.09		18.53		18.01	0
				108	109	18.29		18.55		18.04	0
			216	0	18.11		18.19		18.09	0	
			QPSK	1	1	17.57		18.19		18.25	0
				1	109	17.88		18.28		17.97	0
				1	215	18.18		18.31		18.05	0
				108	0	17.96		18.38		18.21	0
				108	55	18.07		18.50		18.10	0
				108	109	18.29		18.51		18.09	0
			216	0	18.10		18.55		18.15	0	
			16QAM	1	1	17.90		18.58		18.35	0
			64QAM	1	1	17.43		18.14		17.95	0
			256QAM	1	1	17.16		18.15		17.95	0
			CP	QPSK	1	1	17.50		18.50		18.25

NR Band n77_90 MHz Bandwidth_ Maximum Conducted Power_ Power Class 3_ NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)				MPR [dB]	
						649668	656000	662332			
						3745.02 MHz	3840 MHz	3934.98 MHz			
90 MHz	30	DFT-s	pi/2 BPSK	1	1	17.53		18.47		18.41	0
				1	123	17.93		18.54		18.04	0
				1	243	18.42		18.58		18.03	0
				120	0	17.82		18.52		18.32	0
				120	63	18.03		18.61		18.10	0
				120	125	18.30		18.63		17.99	0
			243	0	18.08		18.65		18.19	0	
			QPSK	1	1	17.67		18.61		18.45	0
				1	123	18.00		18.59		18.04	0
				1	243	18.41		18.63		18.02	0
				120	0	17.92		18.60		18.40	0
				120	63	18.07		18.67		18.16	0
				120	125	18.37		18.67		18.06	0
			243	0	18.09		18.70		18.24	0	
			16QAM	1	1	17.74		18.66		18.57	0
			64QAM	1	1	17.31		18.22		18.17	0
			256QAM	1	1	17.32		18.23		18.17	0
			CP	QPSK	1	1	17.60		18.58		18.46

NR Band n77_ 100 MHz Bandwidth _ Maximum Conducted Power_ Power Class 3 _ NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)				MPR [dB]		
						650000					662000	
						3750 MHz					3930 MHz	
100 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	17.62				18.48	0	
				1	137	18.12				18.04	0	
				1	271	18.26				18.16	0	
				135	0	17.92				18.28	0	
				135	69	18.07				18.09	0	
				135	138	18.28				18.04	0	
			270	0	18.09				18.16	0		
			QPSK	1	1	17.72				18.53	0	
				1	137	18.14				18.02	0	
				1	271	18.25				18.15	0	
				135	0	18.01				18.37	0	
				135	69	18.14				18.16	0	
				135	138	18.35				18.11	0	
				270	0	18.14				18.24	0	
			16QAM	1	1	17.79				18.26	0	
			64QAM	1	1	17.39				17.92	0	
			256QAM	1	1	17.39				18.05	0	
CP	QPSK	1	1	17.69				18.40	0			

[NR Band n77 DoD Conducted Power_ Power Class 3 _NSA_ Main 2 Ant. (DSI 0)]

NR Band n77 DoD _ 10 MHz Bandwidth_ Maximum Conducted Power_ Power Class 3 _NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						630334	633334	636322	
						3455.01 MHz	3500.01 MHz	3544.99 MHz	
10 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	17.89	18.50	18.64	0
				1	12	17.93	18.59	18.59	0
				1	22	17.98	18.63	18.62	0
				12	0	17.96	18.60	18.71	0
				12	6	18.01	18.61	18.68	0
				12	12	18.04	18.68	18.64	0
				24	0	18.03	18.65	18.70	0
			QPSK	1	1	17.90	18.51	18.68	0
				1	12	17.90	18.55	18.59	0
				1	22	17.96	18.62	18.57	0
				12	0	18.04	18.68	18.77	0
				12	6	18.02	18.66	18.74	0
				12	12	18.06	18.71	18.71	0
				24	0	18.06	18.71	18.73	0
			16QAM	1	1	17.90	18.50	18.63	0
			64QAM	1	1	17.62	18.12	18.25	0
			256QAM	1	1	17.72	18.29	18.44	0
			CP	QPSK	1	1	18.10	18.68	18.73

NR Band n77 DoD _ 15 MHz Bandwidth_ Maximum Conducted Power_ Power Class 3 _NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						630500	633334	636166	
						3457.5 MHz	3500.01 MHz	3542.5 MHz	
15 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	18.00	18.52	18.67	0
				1	18	18.08	18.70	18.74	0
				1	36	18.27	18.86	18.74	0
				18	0	18.05	18.58	18.78	0
				18	9	18.07	18.73	18.72	0
				18	18	18.15	18.82	18.72	0
				36	0	18.11	18.67	18.79	0
			QPSK	1	1	18.04	18.55	18.71	0
				1	18	18.06	18.72	18.74	0
				1	36	18.27	18.87	18.73	0
				18	0	18.13	18.64	18.80	0
				18	9	18.12	18.79	18.80	0
				18	18	18.18	18.84	18.79	0
				36	0	18.15	18.71	18.79	0
			16QAM	1	1	18.21	18.53	18.70	0
			64QAM	1	1	17.68	18.16	18.26	0
			256QAM	1	1	17.85	18.31	18.49	0
			CP	QPSK	1	1	18.11	18.64	18.79

NR Band n77 DoD _ 20 MHz Bandwidth_ Maximum Conducted Power_ Power Class 3 _NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						630666	633334	636000	
						3459.99 MHz	3500.01 MHz	3540 MHz	
20 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	18.16	18.58	18.78	0
				1	26	18.19	18.71	18.69	0
				1	49	18.30	18.83	18.64	0
				25	0	18.11	18.63	18.68	0
				25	13	18.27	18.75	18.75	0
				25	26	18.34	18.85	18.72	0
				50	0	18.20	18.81	18.78	0
			QPSK	1	1	18.15	18.57	18.76	0
				1	26	18.22	18.69	18.66	0
				1	49	18.26	18.82	18.60	0
				25	0	18.21	18.64	18.75	0
				25	13	18.30	18.80	18.74	0
				25	26	18.36	18.87	18.73	0
				50	0	18.24	18.80	18.78	0
			16QAM	1	1	18.16	18.60	18.79	0
			64QAM	1	1	17.81	18.26	18.40	0
			256QAM	1	1	18.01	18.40	18.57	0
			CP	QPSK	1	1	18.28	18.74	18.90

NR Band n77 DoD _ 30 MHz Bandwidth_ Maximum Conducted Power_ Power Class 3 _NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						630666	633334	636000	
						3459.99 MHz	3500.01 MHz	3540 MHz	
30 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	18.18	18.66	19.07	0
				1	26	18.24	18.72	18.87	0
				1	49	18.47	19.01	18.86	0
				25	0	18.18	18.75	19.04	0
				25	13	18.29	18.77	18.94	0
				25	26	18.42	18.98	19.00	0
				50	0	18.38	18.82	18.99	0
			QPSK	1	1	18.20	18.67	19.08	0
				1	26	18.21	18.69	18.87	0
				1	49	18.43	18.97	18.84	0
				25	0	18.26	18.81	19.10	0
				25	13	18.31	18.82	18.95	0
				25	26	18.49	19.02	18.99	0
				50	0	18.37	18.87	19.01	0
			16QAM	1	1	18.20	18.68	19.05	0
			64QAM	1	1	17.79	18.31	18.68	0
			256QAM	1	1	17.99	18.51	18.91	0
			CP	QPSK	1	1	18.31	18.74	19.18

NR Band n77 DoD _ 40 MHz Bandwidth_ Maximum Conducted Power_ Power Class 3 _NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						631334		635334	
						3470.01 MHz		3530.01 MHz	
40 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	18.31		19.00	0
				1	53	18.38		18.83	0
				1	104	18.76		18.90	0
				50	0	18.36		19.00	0
				50	28	18.49		18.94	0
				50	56	18.62		18.90	0
				100	0	18.55		18.97	0
			QPSK	1	1	18.34		19.05	0
				1	53	18.38		18.84	0
				1	104	18.75		18.88	0
				50	0	18.37		19.05	0
				50	28	18.51		18.95	0
				50	56	18.67		18.92	0
			16QAM	100	0	18.55		18.99	0
				1	1	18.31		19.07	0
				1	1	18.05		18.64	0
			256QAM	1	1	18.16		18.84	0
CP	QPSK	1		1	18.39		19.19	0	

NR Band n77 DoD _ 50 MHz Bandwidth_ Maximum Conducted Power_ Power Class 3 _NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						631666		635000	
						3474.99 MHz		3525 MHz	
50 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	18.00		18.52	0
				1	67	18.02		18.49	0
				1	131	18.51		18.41	0
				64	0	18.06		18.58	0
				64	35	18.11		18.54	0
				64	69	18.29		18.53	0
				128	0	18.15		18.54	0
			QPSK	1	1	18.02		18.55	0
				1	67	18.08		18.48	0
				1	131	18.51		18.38	0
				64	0	18.11		18.64	0
				64	35	18.15		18.57	0
				64	69	18.29		18.57	0
			16QAM	128	0	18.22		18.56	0
				1	1	18.16		18.50	0
				1	1	17.70		18.09	0
			256QAM	1	1	17.84		18.36	0
CP	QPSK	1		1	18.17		18.66	0	

NR Band n77 DoD _ 60 MHz Bandwidth_ Maximum Conducted Power_ Power Class 3 _NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)		MPR [dB]	
							633334		
60 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		18.14	0	
				1	81		18.66	0	
				1	160		18.71	0	
				81	0		18.43	0	
				81	41		18.64	0	
				81	81		18.69	0	
			162	0		18.60	0		
			1	81		18.67	0		
			1	160		18.74	0		
			81	0		18.46	0		
			81	41		18.72	0		
			81	81		18.75	0		
			162	0		18.66	0		
			16QAM	1	1		18.15	0	
			64QAM	1	1		17.75	0	
			256QAM	1	1		18.01	0	
			CP	QPSK	1	1		18.25	0

NR Band n77 DoD _ 70 MHz Bandwidth_ Maximum Conducted Power_ Power Class 3 _NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)		MPR [dB]	
							633334		
70 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		18.10	0	
				1	95		18.54	0	
				1	187		18.65	0	
				90	0		18.35	0	
				90	50		18.61	0	
				90	99		18.64	0	
				180	0		18.59	0	
				180	0		18.59	0	
			1	95		18.56	0		
			1	187		18.63	0		
			90	0		18.37	0		
			90	50		18.65	0		
			90	99		18.72	0		
			180	0		18.59	0		
			180	0		18.59	0		
			16QAM	1	1		18.32	0	
			64QAM	1	1		17.78	0	
			256QAM	1	1		17.96	0	
			CP	QPSK	1	1		18.22	0

NR Band n77 DoD _ 80 MHz Bandwidth_Maximum Conducted Power_Power Class 3 _NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)		MPR [dB]		
							633334			
80 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		3500.01 MHz		0	
				1	109		18.04		0	
				1	215		18.54		0	
				108	0		18.60		0	
				108	55		18.33		0	
				108	109		18.59		0	
				216	0		18.67		0	
			QPSK	1	1		18.54		0	
				1	109		18.12		0	
				1	215		18.58		0	
				108	0		18.59		0	
				108	55		18.37		0	
				108	109		18.65		0	
				216	0		18.71		0	
			16QAM	1	1		18.58		0	
			64QAM	1	1		18.06		0	
			256QAM	1	1		17.65		0	
			CP	QPSK	1	1		17.90		0
								18.18		0

NR Band n77 DoD _ 90 MHz Bandwidth_Maximum Conducted Power_Power Class 3 _NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)		MPR [dB]		
							633334			
90 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		3500.01 MHz		0	
				1	123		18.03		0	
				1	243		18.56		0	
				120	0		18.62		0	
				120	63		18.32		0	
				120	125		18.61		0	
				243	0		18.64		0	
			QPSK	1	1		18.52		0	
				1	123		18.12		0	
				1	243		18.58		0	
				120	0		18.63		0	
				120	63		18.35		0	
				120	125		18.63		0	
				243	0		18.66		0	
			16QAM	1	1		18.55		0	
			64QAM	1	1		18.29		0	
			256QAM	1	1		17.76		0	
			CP	QPSK	1	1		17.88		0
								18.16		0

NR Band n77 DoD _ 100 MHz Bandwidth_ Maximum Conducted Power_Power Class 3 _NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)		MPR [dB]
						633334	3500.01 MHz	
100 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		18.03	0
				1	137		18.55	0
				1	271		18.58	0
				135	0		18.25	0
				135	69		18.56	0
				135	138		18.62	0
				270	0		18.53	0
			QPSK	1	1		18.08	0
				1	137		18.59	0
				1	271		18.59	0
				135	0		18.30	0
				135	69		18.64	0
				135	138		18.66	0
				270	0		18.55	0
		16QAM	1	1		18.26	0	
		64QAM	1	1		17.74	0	
		256QAM	1	1		17.87	0	
CP	QPSK	1	1		18.14	0		

NR Band n77 Conducted Power_Antenna: SRS_ DSI 0

NR Band n77_ 100 MHz Bandwidth - Antenna: SRS 1

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)						MPR [dB]	
			650000				662000			
			3750 MHz				3930 MHz			
100 MHz	30	Zad-off chu sequence	18.58					18.15		0

NR Band n77_ 100 MHz Bandwidth - Antenna: SRS 2

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)						MPR [dB]	
			650000				662000			
			3750 MHz				3930 MHz			
100 MHz	30	Zad-off chu sequence	11.33					11.36		0

NR Band n77_ 100 MHz Bandwidth - Antenna: SRS 3

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)						MPR [dB]	
			650000				662000			
			3750 MHz				3930 MHz			
100 MHz	30	Zad-off chu sequence	14.57					14.94		0

NR Band n77_ 100 MHz Bandwidth – Antenna: SRS 4

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)						MPR [dB]	
			650000				662000			
			3750 MHz				3930 MHz			
100 MHz	30	Zad-off chu sequence	17.06					17.13		0

NR Band n77 Conducted Power_Antenna: SRS_ DSI 1

NR Band n77_ 100 MHz Bandwidth - Antenna: SRS 1

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)					MPR [dB]
			650000				662000	
			3750 MHz				3930 MHz	
100 MHz	30	Zad-off chu sequence	8.55				8.29	0

NR Band n77_ 100 MHz Bandwidth - Antenna: SRS 2

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)					MPR [dB]
			650000				662000	
			3750 MHz				3930 MHz	
100 MHz	30	Zad-off chu sequence	8.52				8.74	0

NR Band n77_ 100 MHz Bandwidth - Antenna: SRS 3

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)					MPR [dB]
			650000				662000	
			3750 MHz				3930 MHz	
100 MHz	30	Zad-off chu sequence	8.41				8.87	0

NR Band n77_ 100 MHz Bandwidth – Antenna: SRS 4

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)					MPR [dB]
			650000				662000	
			3750 MHz				3930 MHz	
100 MHz	30	Zad-off chu sequence	8.76				8.79	0

NR Band n77 DOD Conducted Power_ Antenna: SRS_ DSI 0

NR Band n77 DoD_ 100 MHz Bandwidth - Antenna: SRS 1

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
				633334		
				3500.01 MHz		
100 MHz	30	Zad-off chu sequence		18.41		0

NR Band n77 DoD_ 100 MHz Bandwidth - Antenna: SRS 2

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
				633334		
				3500.01 MHz		
100 MHz	30	Zad-off chu sequence		11.32		0

NR Band n77 DoD_ 100 MHz Bandwidth - Antenna: SRS 3

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
				633334		
				3500.01 MHz		
100 MHz	30	Zad-off chu sequence		14.52		0

NR Band n77 DoD_ 100 MHz Bandwidth - Antenna: SRS 4

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
				633334		
				3500.01 MHz		
100 MHz	30	Zad-off chu sequence		16.99		0

NR Band n77 DOD Conducted Power_ Antenna: SRS_ DSI 1

NR Band n77 DoD_ 100 MHz Bandwidth - Antenna: SRS 1

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
				633334		
				3500.01 MHz		
100 MHz	30	Zad-off chu sequence		8.03		0

NR Band n77 DoD_ 100 MHz Bandwidth - Antenna: SRS 2

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
				633334		
				3500.01 MHz		
100 MHz	30	Zad-off chu sequence		8.19		0

NR Band n77 DoD_ 100 MHz Bandwidth - Antenna: SRS 3

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
				633334		
				3500.01 MHz		
100 MHz	30	Zad-off chu sequence		8.36		0

NR Band n77 DoD_ 100 MHz Bandwidth - Antenna: SRS 4

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
				633334		
				3500.01 MHz		
100 MHz	30	Zad-off chu sequence		8.31		0

11.3.2 NR Band Reduced Conducted Power (Grip activated)

[NR Band n2 Conducted Power_Grip activated_ Main 1 Ant. (DSI 1)]

NR Band n2 _ 5 MHz Bandwidth_Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						370500	376000	381500	
						1852.5 MHz	1880 MHz	1907.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	15.35	15.10	14.96	0
				1	13	15.32	15.11	14.93	0
				1	23	15.27	15.04	14.89	0
				12	0	15.43	15.17	15.01	0
				12	7	15.36	15.17	14.97	0
				12	13	15.28	15.05	14.93	0
			25	0	15.37	15.13	14.98	0	
			QPSK	1	1	15.27	15.01	14.86	0
				1	13	15.23	14.99	14.78	0
				1	23	15.15	14.89	14.73	0
				12	0	15.45	15.19	15.03	0
				12	7	15.33	15.13	14.97	0
				12	13	15.30	15.04	14.88	0
			25	0	15.38	15.15	15.00	0	
			16QAM	1	1	15.72	15.51	15.36	0
			64QAM	1	1	15.29	15.07	14.88	0
			256QAM	1	1	15.27	14.99	14.85	0
CP	QPSK	1	1	15.43	15.19	15.01	0		

NR Band n2 _ 10 MHz Bandwidth_Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						371000	376000	381000	
						1855 MHz	1880 MHz	1905 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	15.41	15.14	14.95	0
				1	26	15.36	15.10	14.93	0
				1	50	15.24	15.03	14.88	0
				25	0	15.48	15.18	15.06	0
				25	14	15.42	15.18	15.00	0
				25	27	15.32	15.14	14.96	0
			50	0	15.38	15.14	15.01	0	
			QPSK	1	1	15.33	14.99	14.88	0
				1	26	15.25	14.96	14.81	0
				1	50	15.16	14.88	14.83	0
				25	0	15.49	15.22	15.07	0
				25	14	15.39	15.14	15.03	0
				25	27	15.36	15.12	14.94	0
			50	0	15.41	15.17	15.02	0	
			16QAM	1	1	15.82	15.50	15.39	0
			64QAM	1	1	15.35	15.03	14.85	0
			256QAM	1	1	15.32	15.02	14.87	0
CP	QPSK	1	1	15.48	15.20	15.01	0		

NR Band n2 _ 15 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						371500	376000	380500	
						1857.5 MHz	1880 MHz	1902.5 MHz	
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	15.51	15.22	15.10	0
				1	40	15.38	15.20	15.09	0
				1	77	15.38	15.17	14.97	0
				36	0	15.54	15.26	15.15	0
				36	22	15.47	15.23	15.19	0
				36	43	15.43	15.23	15.15	0
			75	0	15.52	15.28	15.23	0	
			QPSK	1	1	15.43	15.11	14.99	0
				1	40	15.27	15.05	14.97	0
				1	77	15.23	15.09	14.90	0
				36	0	15.52	15.27	15.18	0
				36	22	15.47	15.27	15.18	0
				36	43	15.44	15.27	15.20	0
			75	0	15.55	15.31	15.25	0	
			16QAM	1	1	15.88	15.62	15.47	0
			64QAM	1	1	15.42	15.13	15.01	0
			256QAM	1	1	15.43	15.18	15.04	0
			CP	QPSK	1	1	15.59	15.31	15.16

NR Band n2 _ 20 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						372000	376000	380000	
						1860 MHz	1880 MHz	1900 MHz	
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	15.44	15.24	15.17	0
				1	53	15.37	15.16	15.12	0
				1	104	15.23	15.21	15.02	0
				50	0	15.46	15.28	15.18	0
				50	28	15.49	15.29	15.19	0
				50	56	15.43	15.27	15.20	0
			100	0	15.50	15.29	15.16	0	
			QPSK	1	1	15.34	15.16	15.10	0
				1	53	15.27	15.11	15.02	0
				1	104	15.15	15.06	14.87	0
				50	0	15.49	15.29	15.18	0
				50	28	15.48	15.31	15.20	0
				50	56	15.45	15.28	15.19	0
			100	0	15.48	15.32	15.20	0	
			16QAM	1	1	15.81	15.63	15.58	0
			64QAM	1	1	15.36	15.19	15.14	0
			256QAM	1	1	15.36	15.17	15.08	0
			CP	QPSK	1	1	15.53	15.29	15.26

[NR Band n5 Conducted Power _ Main 1 Ant. (DSI 1)]

NR Band n5_ 5 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]	
						165300	167300	169300		
						826.5 MHz	836.5 MHz	846.5 MHz		
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	14.78	14.51	14.68	0	
				1	13	14.67	14.39	14.65	0	
				1	23	14.69	14.50	14.81	0	
				12	0	14.80	14.43	14.60	0	
				12	7	14.66	14.42	14.67	0	
				12	13	14.62	14.39	14.67	0	
			QPSK	25	0	14.68	14.48	14.75	0	
				1	1	14.79	14.49	14.67	0	
				1	13	14.65	14.43	14.65	0	
				1	23	14.65	14.46	14.81	0	
				12	0	14.75	14.47	14.63	0	
				12	7	14.63	14.42	14.69	0	
				12	13	14.66	14.41	14.66	0	
				25	0	14.65	14.44	14.74	0	
			16QAM	1	1	14.82	14.51	14.67	0	
			64QAM	1	1	14.98	14.65	14.79	0	
			256QAM	1	1	14.47	14.09	14.30	0	
			CP	QPSK	1	1	14.75	14.49	14.63	0

NR Band n5_ 10 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]		MPR [dB]
							167300	
							836.5 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		14.53	0
				1	26		14.41	0
				1	50		14.57	0
				25	0		14.48	0
				25	14		14.44	0
				25	27		14.51	0
				50	0		14.51	0
			QPSK	1	1		14.60	0
				1	26		14.42	0
				1	50		14.56	0
				25	0		14.46	0
				25	14		14.46	0
				25	27		14.56	0
				50	0		14.44	0
			16QAM	1	1		14.54	0
			64QAM	1	1		14.69	0
			256QAM	1	1		14.16	0
CP	QPSK	1	1		14.58	0		

NR Band n5_15 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
							167300		
							836.5 MHz		
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		14.81		0
				1	40		14.62		0
				1	77		14.72		0
				36	0		14.72		0
				36	22		14.69		0
				36	43		14.70		0
			75	0		14.67		0	
			QPSK	1	1		14.80		0
				1	40		14.65		0
				1	77		14.73		0
				36	0		14.70		0
				36	22		14.70		0
				36	43		14.77		0
			75	0		14.68		0	
			16QAM	1	1		14.73		0
			64QAM	1	1		14.88		0
			256QAM	1	1		14.43		0
			CP	QPSK	1	1		14.77	

NR Band n5_20 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
							167300		
							836.5 MHz		
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		14.75		0
				1	53		14.60		0
				1	104		14.73		0
				50	0		14.70		0
				50	28		14.71		0
				50	56		14.75		0
			100	0		14.78		0	
			QPSK	1	1		14.83		0
				1	53		14.67		0
				1	104		14.82		0
				50	0		14.71		0
				50	28		14.68		0
				50	56		14.83		0
			100	0		14.81		0	
			16QAM	1	1		14.73		0
			64QAM	1	1		14.94		0
			256QAM	1	1		14.55		0
			CP	QPSK	1	1		14.78	

[NR Band n7 Conducted Power _ Main 1 Ant. (DSI 1)]

NR Band n7 _ 5 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						500500	507000	513500	
						2502.5 MHz	2535 MHz	2567.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	11.85	11.85	11.92	0
				1	13	11.92	11.93	12.01	0
				1	23	11.93	11.94	12.01	0
				12	0	11.85	11.84	11.96	0
				12	7	11.95	11.92	12.05	0
				12	13	11.99	11.99	12.08	0
			25	0	11.95	11.90	12.05	0	
			QPSK	1	1	11.73	11.77	11.87	0
				1	13	11.82	11.79	11.92	0
				1	23	11.80	11.80	11.90	0
				12	0	11.88	11.85	12.00	0
				12	7	11.90	11.94	12.05	0
				12	13	11.94	11.96	12.08	0
			25	0	11.91	11.95	12.01	0	
			16QAM	1	1	12.18	12.15	12.23	0
			64QAM	1	1	11.75	11.75	11.82	0
			256QAM	1	1	11.64	11.64	11.75	0
			CP	QPSK	1	1	11.85	11.87	11.98

NR Band n7 _ 10 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						501000	507000	513000	
						2505 MHz	2535 MHz	2565 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	11.67	11.78	11.93	0
				1	26	11.86	11.93	11.99	0
				1	50	11.82	11.93	11.97	0
				25	0	11.75	11.91	12.01	0
				25	14	11.83	11.91	11.99	0
				25	27	11.88	11.94	11.96	0
			50	0	11.86	11.95	12.01	0	
			QPSK	1	1	11.59	11.63	11.85	0
				1	26	11.73	11.80	11.85	0
				1	50	11.74	11.80	11.84	0
				25	0	11.75	11.94	11.97	0
				25	14	11.89	11.93	12.01	0
				25	27	11.85	11.90	12.00	0
			50	0	11.84	11.90	11.98	0	
			16QAM	1	1	12.03	12.14	12.30	0
			64QAM	1	1	11.58	11.58	11.79	0
			256QAM	1	1	11.54	11.62	11.76	0
			CP	QPSK	1	1	11.68	11.76	11.94

NR Band n7 _ 15 Mhz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						501500	507000	512500	
						2507.5 Mhz	2535 Mhz	2562.5 Mhz	
15 Mhz	15	DFT-s OFDM	pi/2 BPSK	1	1	11.89	11.92	12.13	0
				1	40	11.90	11.94	12.15	0
				1	77	12.05	11.97	12.13	0
				36	0	11.96	12.00	12.18	0
				36	22	12.03	12.04	12.22	0
				36	43	12.08	12.01	12.25	0
			75	0	12.04	12.06	12.29	0	
			QPSK	1	1	11.75	11.81	12.00	0
				1	40	11.86	11.81	12.10	0
				1	77	11.92	11.82	12.06	0
				36	0	11.96	12.02	12.22	0
				36	22	11.98	12.01	12.28	0
				36	43	12.11	11.99	12.27	0
			75	0	12.05	12.02	12.29	0	
			16QAM	1	1	12.17	12.21	12.45	0
			64QAM	1	1	11.73	11.80	11.99	0
			256QAM	1	1	11.76	11.80	12.03	0
			CP	QPSK	1	1	11.91	11.96	12.14

NR Band n7 _ 20 Mhz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						502000	507000	512000	
						2510 Mhz	2535 Mhz	2560 Mhz	
20 Mhz	15	DFT-s OFDM	pi/2 BPSK	1	1	11.93	11.94	12.09	0
				1	53	12.09	11.96	12.07	0
				1	104	12.07	11.94	12.08	0
				50	0	12.03	12.03	12.16	0
				50	28	12.20	12.08	12.14	0
				50	56	12.15	12.01	12.24	0
			100	0	12.17	12.07	12.17	0	
			QPSK	1	1	11.79	11.82	12.00	0
				1	53	11.96	11.84	11.93	0
				1	104	11.96	11.82	12.03	0
				50	0	12.07	12.03	12.16	0
				50	28	12.18	12.03	12.15	0
				50	56	12.18	12.01	12.22	0
			100	0	12.16	12.03	12.15	0	
			16QAM	1	1	12.23	12.25	12.36	0
			64QAM	1	1	11.79	11.80	11.96	0
			256QAM	1	1	11.89	11.87	12.01	0
			CP	QPSK	1	1	11.93	11.98	12.09

NR Band n7 _ 25 Mhz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]	
						502500	507000	511500		
						2512.5 Mhz	2535 Mhz	2557.5 Mhz		
25 Mhz	15	DFT-s OFDM	pi/2 BPSK	1	1	12.01	11.99	11.99	0	
				1	67	12.10	11.97	12.02	0	
				1	131	12.19	11.99	12.08	0	
				64	0	12.12	12.07	12.16	0	
				64	35	12.22	12.07	12.11	0	
				64	39	12.21	12.04	12.10	0	
			128	0	12.24	12.09	12.18	0		
			QPSK	1	1	11.93	11.87	11.89	0	
				1	67	12.04	11.87	11.94	0	
				1	131	12.06	11.88	11.97	0	
				64	0	12.14	12.06	12.19	0	
				64	35	12.25	12.03	12.14	0	
				64	69	12.17	12.05	12.14	0	
			128	0	12.25	12.05	12.18	0		
			16QAM	1	1	12.37	12.29	12.29	0	
			64QAM	1	1	11.92	11.86	11.84	0	
			256QAM	1	1	12.30	12.26	12.26	0	
			CP	QPSK	1	1	12.01	11.98	12.02	0

NR Band n7 _ 30 Mhz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]	
						503000	507000	511000		
						2515 Mhz	2535 Mhz	2555 Mhz		
30 Mhz	15	DFT-s OFDM	pi/2 BPSK	1	1	11.71	11.85	11.89	0	
				1	80	11.81	11.90	11.95	0	
				1	158	11.93	12.01	12.01	0	
				80	0	11.85	11.87	12.00	0	
				80	40	11.84	11.91	11.98	0	
				80	80	11.94	11.97	12.02	0	
			160	0	11.85	11.97	12.01	0		
			QPSK	1	1	11.60	11.81	11.80	0	
				1	80	11.76	11.83	11.84	0	
				1	158	11.80	11.88	11.87	0	
				80	0	11.88	11.86	12.05	0	
				80	40	11.85	11.94	12.00	0	
				80	80	11.91	11.93	12.02	0	
			160	0	11.87	11.95	11.98	0		
			16QAM	1	1	12.04	12.17	12.26	0	
			64QAM	1	1	11.60	11.78	11.78	0	
			256QAM	1	1	11.58	11.73	11.74	0	
			CP	QPSK	1	1	11.73	11.89	11.93	0

NR Band n7 _ 40 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]		MPR [dB]
						507000	2535 MHz	
40 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		11.85	0
				1	108		11.93	0
				1	214		12.00	0
				108	0		11.84	0
				108	54		11.96	0
				108	108		12.11	0
			216	0		11.97	0	
			QPSK	1	1		11.70	0
				1	108		11.91	0
				1	214		11.80	0
				108	0		11.88	0
				108	54		12.11	0
				108	108		12.08	0
			216	0		12.03	0	
		16QAM	1	1		12.16	0	
		64QAM	1	1		11.70	0	
256QAM	1	1		11.74	0			
CP	QPSK	1	1		11.82	0		

[NR Band n12 Conducted Power _ Main 1 Ant. (DSI 1)]

NR Band n12_ 5 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						140300	141500	142700	
						701.5 MHz	707.5 MHz	713.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	15.94	16.08	15.95	0
				1	13	15.91	16.17	15.98	0
				1	23	16.03	16.11	15.95	0
				12	0	15.97	16.09	15.96	0
				12	7	15.91	16.18	15.93	0
				12	13	16.02	16.07	15.86	0
			QPSK	25	0	15.96	16.14	15.92	0
				1	1	15.97	16.06	15.91	0
				1	13	15.94	16.16	15.97	0
				1	23	16.03	16.14	15.92	0
				12	0	15.95	16.11	15.96	0
				12	7	15.95	16.17	15.96	0
			16QAM	12	13	15.99	16.14	15.90	0
				25	0	15.97	16.20	15.95	0
				1	1	15.89	16.01	15.95	0
				1	1	16.07	16.18	16.09	0
				1	1	15.56	15.69	15.56	0
				CP	QPSK	1	1	15.88	16.04

NR Band n12_ 10 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]		MPR [dB]
							141500	
							707.5 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		16.07	0
				1	26		16.14	0
				1	50		15.97	0
				25	0		16.11	0
				25	14		16.02	0
				25	27		16.10	0
			QPSK	50	0		16.00	0
				1	1		16.10	0
				1	26		16.12	0
				1	50		15.95	0
				25	0		16.08	0
				25	14		16.05	0
			16QAM	25	27		16.09	0
				50	0		16.07	0
				1	1		16.00	0
				1	1		16.24	0
				1	1		15.58	0
				CP	QPSK	1	1	

NR Band n12_ 15 MHz Bandwidth _ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]		MPR [dB]
							141500 707.5 MHz	
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		16.12	0
				1	40		16.30	0
				1	77		16.07	0
				36	0		16.20	0
				36	22		16.23	0
				36	43		16.21	0
				75	0		16.26	0
			QPSK	1	1		16.16	0
				1	40		16.28	0
				1	77		16.09	0
				36	0		16.27	0
				36	22		16.25	0
				36	43		16.20	0
				75	0		16.28	0
			16QAM	1	1		16.17	0
			64QAM	1	1		16.29	0
			256QAM	1	1		15.79	0
CP	QPSK	1	1		16.14	0		

[NR Band n25 Conducted Power _ Main 1 Ant. (DSI 1)]

NR Band n25 _ 5 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						370500	376500	382500	
						1852.5 MHz	1882.5 MHz	1912.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	15.46	15.10	14.85	0
				1	13	15.37	15.07	14.87	0
				1	23	15.43	15.10	14.86	0
				12	0	15.49	15.14	14.96	0
				12	7	15.44	15.13	14.93	0
				12	13	15.44	15.11	14.96	0
			QPSK	25	0	15.46	15.17	14.95	0
				1	1	15.35	14.99	14.73	0
				1	13	15.28	14.96	14.77	0
				1	23	15.33	15.01	14.71	0
				12	0	15.50	15.10	14.96	0
				12	7	15.43	15.11	14.92	0
				12	13	15.47	15.11	14.97	0
			16QAM	25	0	15.48	15.18	14.94	0
				1	1	15.79	15.52	15.22	0
				1	1	15.43	15.04	14.80	0
			256QAM	1	1	15.34	14.99	14.81	0
1	1	15.57		15.19	14.93	0			
CP	QPSK	1	1	15.57	15.19	14.93	0		

NR Band n25 _ 10 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						371000	376500	382000	
						1855 MHz	1882.5 MHz	1910 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	15.47	15.02	14.87	0
				1	26	15.44	15.06	14.89	0
				1	50	15.33	15.00	14.84	0
				25	0	15.56	15.19	14.99	0
				25	14	15.52	15.16	14.96	0
				25	27	15.47	15.15	14.96	0
				50	0	15.49	15.16	14.96	0
			QPSK	1	1	15.33	14.91	14.73	0
				1	26	15.34	14.93	14.79	0
				1	50	15.27	14.93	14.73	0
				25	0	15.59	15.17	14.99	0
				25	14	15.54	15.17	14.99	0
				25	27	15.46	15.14	14.99	0
				50	0	15.50	15.17	15.00	0
			16QAM	1	1	15.85	15.46	15.30	0
				1	1	15.37	14.99	14.81	0
				1	1	15.35	14.96	14.74	0
CP	QPSK	1	1	15.49	15.11	14.95	0		

NR Band n25 _ 15 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						371500	376500	381500	
						1857.5 MHz	1882.5 MHz	1907.5 MHz	
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	15.51	15.22	15.09	0
				1	40	15.38	15.12	15.06	0
				1	77	15.37	15.16	14.95	0
				36	0	15.52	15.29	15.20	0
				36	22	15.47	15.25	15.19	0
				36	43	15.44	15.27	15.20	0
				75	0	15.51	15.26	15.20	0
			QPSK	1	1	15.37	15.10	15.02	0
				1	40	15.27	15.05	14.94	0
				1	77	15.22	15.07	14.84	0
				36	0	15.52	15.30	15.22	0
				36	22	15.48	15.29	15.19	0
				36	43	15.45	15.32	15.18	0
				75	0	15.56	15.28	15.23	0
			16QAM	1	1	15.86	15.63	15.53	0
			64QAM	1	1	15.45	15.15	15.02	0
			256QAM	1	1	15.42	15.14	15.05	0
			CP	QPSK	1	1	15.60	15.30	15.19

NR Band n25 _ 20 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						372000	376500	381000	
						1860 MHz	1882.5 MHz	1905 MHz	
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	15.42	15.19	15.21	0
				1	53	15.34	15.14	15.07	0
				1	104	15.22	15.17	14.96	0
				50	0	15.51	15.25	15.24	0
				50	28	15.45	15.28	15.26	0
				50	56	15.39	15.25	15.23	0
				100	0	15.48	15.32	15.26	0
			QPSK	1	1	15.35	15.09	15.14	0
				1	53	15.24	15.03	14.98	0
				1	104	15.12	15.02	14.86	0
				50	0	15.54	15.30	15.27	0
				50	28	15.50	15.30	15.27	0
				50	56	15.44	15.29	15.23	0
				100	0	15.51	15.26	15.21	0
			16QAM	1	1	15.77	15.59	15.57	0
			64QAM	1	1	15.34	15.08	15.12	0
			256QAM	1	1	15.38	15.15	15.19	0
			CP	QPSK	1	1	15.50	15.26	15.25

NR Band n25 _ 25 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]		MPR [dB]
						376500	1882.5 MHz	
25 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		15.25	0
				1	1		15.13	0
				1	1		15.19	0
				64	64		15.31	0
				64	64		15.27	0
				64	64		15.31	0
			QPSK	128	128		15.32	0
				1	1		15.13	0
				1	1		15.03	0
				1	1		15.09	0
				64	64		15.33	0
				64	64		15.29	0
				64	64		15.27	0
				128	128		15.28	0
			16QAM	1	1		15.64	0
			64QAM	1	1		15.21	0
256QAM	1	1		15.49	0			
CP	QPSK	1	1		15.31	0		

NR Band n25 _ 30 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]		MPR [dB]
						376500	1882.5 MHz	
30 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		15.38	0
				1	1		15.31	0
				1	1		15.24	0
				80	80		15.45	0
				80	80		15.33	0
				80	80		15.34	0
			QPSK	160	160		15.31	0
				1	1		15.28	0
				1	1		15.21	0
				1	1		15.15	0
				80	80		15.47	0
				80	80		15.33	0
				80	80		15.34	0
				160	160		15.33	0
			16QAM	1	1		15.73	0
			64QAM	1	1		15.35	0
256QAM	1	1		15.37	0			
CP	QPSK	1	1		15.51	0		

NR Band n25 _ 40 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]		MPR [dB]	
						376500	1882.5 MHz		
40 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		15.31	0	
				1	108		15.14	0	
				1	214		15.02	0	
				108	0		15.30	0	
				108	54		15.24	0	
				108	108		15.09	0	
				216	0		15.21	0	
			QPSK	1	1		15.13	0	
				1	108		14.98	0	
				1	214		15.26	0	
				108	0		15.23	0	
				108	54		15.28	0	
				108	108		15.31	0	
				216	0		15.27	0	
			16QAM	1	1		15.73	0	
			64QAM	1	1		15.22	0	
			256QAM	1	1		15.30	0	
			CP	QPSK	1	1		15.36	0

[NR Band n26 Conducted Power _ Main 1 Ant. (DSI 1)]

NR Band n26 _ 5 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]	
						163300	166300	169300		
						816.5 MHz	831.5 MHz	846.5 MHz		
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	14.89	14.52	14.63	0	
				1	13	14.85	14.48	14.73	0	
				1	23	14.80	14.45	14.70	0	
				12	0	14.84	14.52	14.69	0	
				12	7	14.82	14.49	14.75	0	
				12	13	14.84	14.46	14.77	0	
			QPSK	25	0	14.84	14.53	14.75	0	
				1	1	14.84	14.52	14.66	0	
				1	13	14.78	14.53	14.73	0	
				1	23	14.81	14.47	14.71	0	
				12	0	14.90	14.49	14.70	0	
				12	7	14.82	14.51	14.76	0	
			16QAM	12	13	14.87	14.50	14.75	0	
				25	0	14.84	14.50	14.75	0	
				16QAM	1	1	14.83	14.44	14.59	0
				64QAM	1	1	15.03	14.67	14.78	0
				256QAM	1	1	14.38	14.04	14.20	0
CP	QPSK	1	1	14.85	14.55	14.71	0			

NR Band n26 _ 10 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]	
						163800	166300	168800		
						819 MHz	831.5 MHz	844 MHz		
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	14.79	14.57	14.55	0	
				1	26	14.77	14.54	14.63	0	
				1	50	14.70	14.54	14.67	0	
				25	0	14.84	14.54	14.58	0	
				25	14	14.84	14.54	14.63	0	
				25	27	14.78	14.51	14.67	0	
			QPSK	50	0	14.83	14.57	14.68	0	
				1	1	14.85	14.54	14.57	0	
				1	26	14.79	14.54	14.64	0	
				1	50	14.73	14.55	14.66	0	
				25	0	14.86	14.59	14.63	0	
				25	14	14.80	14.48	14.62	0	
			16QAM	25	27	14.76	14.49	14.62	0	
				50	0	14.81	14.53	14.63	0	
				16QAM	1	1	14.82	14.48	14.53	0
				64QAM	1	1	15.00	14.66	14.71	0
			256QAM	1	1	14.37	14.05	14.09	0	
CP	QPSK	1		1	14.89	14.64	14.61	0		

NR Band n26 _ 15 Mhz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						164300		168300	
						821.5 Mhz		841.5 Mhz	
15 Mhz	15	DFT-s OFDM	pi/2 BPSK	1	1	14.89		14.52	0
				1	40	14.67		14.63	0
				1	77	14.64		14.73	0
				36	0	14.86		14.59	0
				36	22	14.73		14.64	0
				36	43	14.64		14.72	0
				75	0	14.75		14.66	0
			QPSK	1	1	14.90		14.57	0
				1	40	14.71		14.62	0
				1	77	14.62		14.74	0
				36	0	14.85		14.61	0
				36	22	14.76		14.66	0
				36	43	14.68		14.69	0
				75	0	14.79		14.68	0
			16QAM	1	1	14.88		14.45	0
			64QAM	1	1	15.04		14.64	0
			256QAM	1	1	14.51		14.10	0
			CP	QPSK	1	1	15.05		14.67

NR Band n26 _ 20 Mhz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
							166300		
							831.5 Mhz		
20 Mhz	15	DFT-s OFDM	pi/2 BPSK	1	1		14.64		0
				1	53		14.56		0
				1	104		14.61		0
				50	0		14.64		0
				50	28		14.61		0
				50	56		14.63		0
				100	0		14.66		0
			QPSK	1	1		14.70		0
				1	53		14.62		0
				1	104		14.67		0
				50	0		14.64		0
				50	28		14.62		0
				50	56		14.62		0
				100	0		14.68		0
			16QAM	1	1		14.67		0
			64QAM	1	1		14.80		0
			256QAM	1	1		14.15		0
			CP	QPSK	1	1		14.76	

[NR Band n30 Conducted Power _ Main 1 Ant. (DSI 1)]

NR Band n30_ 5 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]		MPR [dB]
						462000	2310 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		11.96	0
				1	13		12.00	0
				1	23		11.84	0
				12	0		11.94	0
				12	7		12.01	0
				12	13		11.89	0
				25	0		11.97	0
			QPSK	1	1		11.86	0
				1	13		11.89	0
				1	23		11.75	0
				12	0		11.96	0
				12	7		11.99	0
				12	13		11.90	0
				25	0		12.01	0
			16QAM	1	1		12.36	0
			64QAM	1	1		11.85	0
			256QAM	1	1		11.84	0
			CP	QPSK	1	1		11.98

NR Band n30_ 10 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]		MPR [dB]
						462000	2310 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		11.97	0
				1	26		11.96	0
				1	50		11.89	0
				25	0		12.01	0
				25	14		12.01	0
				25	27		11.94	0
				50	0		11.99	0
			QPSK	1	1		11.82	0
				1	26		11.81	0
				1	50		11.97	0
				25	0		12.03	0
				25	14		12.04	0
				25	27		11.98	0
				50	0		11.99	0
			16QAM	1	1		12.38	0
			64QAM	1	1		11.84	0
			256QAM	1	1		11.74	0
			CP	QPSK	1	1		12.02

[NR Band n41 Conducted Power_Power Class 3 _ Main 1 Ant. (DSI 1)]

NR Band n41 _10 MHz Bandwidth_ Grip Backoff Conducted Power (Power Class 3)

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR [dB]
						500202	509400	518598	527802	537000	
						2506.02 MHz	2549.49 MHz	2592.99 MHz	2639.01 MHz	2685 MHz	
10 MHz	30	DFT-s	pi/2 BPSK	1	1	11.66	11.31	11.34	11.05	10.51	0
				1	12	11.68	11.32	11.28	11.13	10.53	0
				1	22	11.67	11.47	11.27	11.14	10.52	0
				12	0	11.71	11.29	11.35	11.13	10.47	0
				12	6	11.70	11.32	11.33	11.16	10.49	0
				12	12	11.71	11.36	11.25	11.13	10.58	0
				24	0	11.69	11.31	11.30	11.13	10.48	0
			QPSK	1	1	11.62	11.28	11.31	10.93	10.41	0
				1	12	11.64	11.25	11.20	11.06	10.50	0
				1	22	11.66	11.43	11.17	11.02	10.48	0
				12	0	11.69	11.29	11.35	11.12	10.46	0
				12	6	11.72	11.32	11.29	11.12	10.44	0
				12	12	11.67	11.35	11.29	11.13	10.55	0
			24	0	11.69	11.36	11.30	11.18	10.48	0	
		16QAM	1	1	11.63	11.20	11.32	10.99	10.41	0	
		64QAM	1	1	11.23	10.91	10.88	10.58	10.03	0	
		256QAM	1	1	11.41	11.04	11.10	10.73	10.18	0	
CP	QPSK	1	1	11.76	11.37	11.48	11.19	10.66	0		

NR Band n41 _15 MHz Bandwidth_ Grip Backoff Conducted Power (Power Class 3)

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR [dB]
						500700	509664	518598	527562	536496	
						2503.5 MHz	2548.32 MHz	2592.99 MHz	2637.81 MHz	2682.48 MHz	
15 MHz	30	DFT-s	pi/2 BPSK	1	1	11.90	11.45	11.55	11.14	11.00	0
				1	18	11.90	11.41	11.37	11.05	10.92	0
				1	36	11.82	11.53	11.22	11.21	10.84	0
				18	0	11.96	11.50	11.52	11.17	11.01	0
				18	9	11.90	11.46	11.31	11.11	10.93	0
				18	18	11.86	11.50	11.28	11.19	10.84	0
				36	0	11.93	11.51	11.32	11.14	10.93	0
			QPSK	1	1	11.81	11.37	11.47	11.07	10.89	0
				1	18	11.83	11.33	11.26	10.95	10.80	0
				1	36	11.81	11.42	11.15	11.10	10.69	0
				18	0	12.00	11.48	11.54	11.13	11.01	0
				18	9	11.89	11.42	11.31	11.05	10.92	0
				18	18	11.90	11.48	11.27	11.22	10.91	0
				36	0	11.91	11.48	11.35	11.11	10.90	0
		16QAM	1	1	11.77	11.44	11.46	11.07	10.97	0	
		64QAM	1	1	11.44	11.00	11.07	10.68	10.52	0	
		256QAM	1	1	11.54	11.18	11.26	10.81	10.69	0	
CP	QPSK	1	1	11.89	11.58	11.55	11.15	11.03	0		

NR Band n41_20 MHz Bandwidth_ Grip Backoff Conducted Power (Power Class 3)

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR [dB]
						501204	509898	518598	527298	535998	
						2506.02 MHz	2549.49 MHz	2592.99 MHz	2636.49 MHz	2679.99 MHz	
20 MHz	30	DFT-s	pi/2 BPSK	1	1	11.74	11.50	11.57	11.08	10.89	0
				1	26	11.70	11.50	11.23	11.03	10.92	0
				1	49	11.71	11.56	11.19	11.17	10.76	0
				25	0	11.82	11.50	11.54	11.09	10.95	0
				25	13	11.72	11.51	11.29	11.07	10.96	0
				25	26	11.78	11.59	11.23	11.16	10.83	0
				50	0	11.70	11.52	11.30	11.11	10.93	0
			QPSK	1	1	11.66	11.41	11.54	11.06	10.80	0
				1	26	11.63	11.37	11.19	10.99	10.84	0
				1	49	11.61	11.47	11.15	11.09	10.66	0
				25	0	11.81	11.52	11.53	11.13	10.99	0
				25	13	11.74	11.52	11.31	11.07	10.95	0
				25	26	11.76	11.57	11.23	11.21	10.85	0
			16QAM	50	0	11.75	11.57	11.30	11.07	10.91	0
				1	1	11.65	11.42	11.46	11.08	10.80	0
				1	1	11.24	11.01	11.11	10.62	10.41	0
			64QAM	1	1	11.39	11.20	11.27	10.82	10.60	0
256QAM	1	1	11.72	11.58	11.58	11.17	10.97	0			
CP	QPSK	1	1	11.72	11.58	11.58	11.17	10.97	0		

NR Band n41_30 MHz Bandwidth_ Grip Backoff Conducted Power (Power Class 3)

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR [dB]
						502200	510402	518598	526800	534996	
						2511 MHz	2552.01 MHz	2592.99 MHz	2634 MHz	2674.98 MHz	
30 MHz	30	DFT-s	pi/2 BPSK	1	1	11.86	11.72	11.80	11.36	11.27	0
				1	39	11.74	11.69	11.40	11.34	11.05	0
				1	76	11.82	11.91	11.37	11.45	10.96	0
				36	0	11.86	11.68	11.67	11.31	11.09	0
				36	21	11.87	11.71	11.42	11.37	11.07	0
				36	42	11.77	11.81	11.38	11.41	10.99	0
				75	0	11.88	11.77	11.50	11.37	11.16	0
			QPSK	1	1	11.78	11.61	11.70	11.26	11.18	0
				1	39	11.72	11.58	11.32	11.27	10.97	0
				1	76	11.74	11.79	11.31	11.35	10.88	0
				36	0	11.86	11.64	11.65	11.31	11.09	0
				36	21	11.86	11.71	11.45	11.37	11.06	0
				36	42	11.80	11.83	11.38	11.39	11.02	0
			16QAM	75	0	11.91	11.71	11.48	11.38	11.14	0
				1	1	11.82	11.63	11.70	11.28	11.16	0
				1	1	11.36	11.20	11.29	10.87	10.84	0
			64QAM	1	1	11.53	11.39	11.46	11.07	10.99	0
256QAM	1	1	11.91	11.73	11.84	11.34	11.29	0			
CP	QPSK	1	1	11.91	11.73	11.84	11.34	11.29	0		

NR Band n41_40 MHz Bandwidth_ Grip Backoff Conducted Power (Power Class 3)

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR [dB]
						503202	513468		523734	534000	
						2516.01 MHz	2567.34 MHz		2618.67 MHz	2670 MHz	
40 MHz	30	DFT-s	pi/2 BPSK	1	1	11.81	11.65		11.32	11.34	0
				1	53	11.66	11.65		11.16	10.94	0
				1	104	11.71	11.67		11.42	10.94	0
				50	0	11.79	11.64		11.23	11.17	0
				50	28	11.70	11.72		11.21	10.98	0
				50	56	11.71	11.70		11.31	11.01	0
			100	0	11.72	11.68		11.26	11.04	0	
			QPSK	1	1	11.73	11.55		11.30	11.25	0
				1	53	11.57	11.57		11.11	10.85	0
				1	104	11.63	11.58		11.34	10.86	0
				50	0	11.77	11.62		11.22	11.19	0
				50	28	11.73	11.71		11.24	11.01	0
				50	56	11.69	11.71		11.35	11.00	0
			100	0	11.71	11.69		11.29	11.06	0	
			16QAM	1	1	11.76	11.56		11.24	11.28	0
			64QAM	1	1	11.31	11.19		10.89	10.85	0
			256QAM	1	1	11.49	11.35		11.03	10.99	0
			CP	QPSK	1	1	11.80	11.62		11.32	11.29

NR Band n41_50 MHz Bandwidth_ Grip Backoff Conducted Power (Power Class 3)

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]				MPR [dB]	
						504204		518598			532998
						2521.02 MHz		2592.99 MHz			2664.99 MHz
50 MHz	30	DFT-s	pi/2 BPSK	1	1	11.90		11.63		11.36	0
				1	67	12.14		11.33		11.02	0
				1	131	11.65		11.24		10.84	0
				64	0	12.15		11.51		11.28	0
				64	35	12.09		11.38		11.05	0
				64	69	11.96		11.27		10.88	0
				128	0	12.03		11.38		11.04	0
			QPSK	1	1	11.84		11.58		11.23	0
				1	67	12.06		11.28		10.93	0
				1	131	11.59		11.17		10.76	0
				64	0	12.11		11.55		11.28	0
				64	35	12.14		11.39		11.07	0
				64	69	11.94		11.27		10.89	0
				128	0	12.04		11.40		11.03	0
			16QAM	1	1	11.78		11.52		11.25	0
			64QAM	1	1	11.43		11.23		10.82	0
			256QAM	1	1	11.60		11.29		10.95	0
			CP	QPSK	1	1	11.80		11.71		11.32

NR Band n41 _60 MHz Bandwidth_ Grip Backoff Conducted Power (Power Class 3)

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]	
						505200	518598	531996		
						2526 MHz	2592.99 MHz	2659.98 MHz		
60 MHz	30	DFT-s	pi/2 BPSK	1	1	11.65		11.71	11.26	0
				1	81	12.02		11.39	11.03	0
				1	160	11.53		11.18	10.75	0
				81	0	11.88		11.59	11.18	0
				81	41	12.02		11.42	11.03	0
				81	81	11.74		11.31	10.89	0
				162	0	11.80		11.41	11.03	0
			QPSK	1	1	11.59		11.63	11.12	0
				1	81	11.92		11.27	10.89	0
				1	160	11.45		11.10	10.65	0
				81	0	11.92		11.63	11.14	0
				81	41	12.02		11.41	11.06	0
				81	81	11.78		11.28	10.90	0
				162	0	11.82		11.47	11.01	0
			16QAM	1	1	11.62		11.66	11.12	0
			64QAM	1	1	11.25		11.19	10.68	0
			256QAM	1	1	11.32		11.39	10.87	0
CP	QPSK	1	1	11.75		11.71	11.26	0		

NR Band n41 _70 MHz Bandwidth_ Grip Backoff Conducted Power (Power Class 3)

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]	
						506208	530994			
						2531.04 MHz	2654.97 MHz			
70 MHz	30	DFT-s	pi/2 BPSK	1	1	11.70			11.10	0
				1	81	11.53			11.11	0
				1	160	11.55			10.73	0
				81	0	11.64			11.24	0
				81	41	11.58			11.14	0
				81	81	11.45			10.96	0
				162	0	11.53			11.10	0
			QPSK	1	1	11.63			11.06	0
				1	81	11.48			11.03	0
				1	160	11.48			10.69	0
				81	0	11.71			11.28	0
				81	41	11.61			11.12	0
				81	81	11.48			10.94	0
				162	0	11.57			11.04	0
			16QAM	1	1	11.66			11.03	0
			64QAM	1	1	11.21			10.67	0
			256QAM	1	1	11.40			10.78	0
CP	QPSK	1	1	11.77			11.09	0		

NR Band n41_80 MHz Bandwidth_ Grip Backoff Conducted Power (Power Class 3)

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]				MPR [dB]	
						507204					529998
						2536.02 MHz					2649.99 MHz
80 MHz	30	DFT-s	pi/2 BPSK	1	1	11.61				10.95	0
				1	109	11.29				10.99	0
				1	215	11.64				10.64	0
				108	0	11.53				11.03	0
				108	55	11.40				10.99	0
				108	109	11.53				10.84	0
			216	0	11.50				10.99	0	
			QPSK	1	1	11.52				10.85	0
				1	109	11.19				10.89	0
				1	215	11.56				10.56	0
				108	0	11.60				11.03	0
				108	55	11.43				11.03	0
				108	109	11.53				10.89	0
		216	0	11.53				11.02	0		
		16QAM	1	1	11.52				10.91	0	
		64QAM	1	1	11.15				10.46	0	
		256QAM	1	1	11.27				10.64	0	
CP	QPSK	1	1	11.65				10.94	0		

NR Band n41_90 MHz Bandwidth_ Grip Backoff Conducted Power (Power Class 3)

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]				MPR [dB]	
						508200			528996		
						2541 MHz			2644.98 MHz		
90 MHz	30	DFT-s	pi/2 BPSK	1	1	11.66				11.16	0
				1	123	11.36				11.21	0
				1	243	11.56				10.67	0
				120	0	11.62				11.17	0
				120	63	11.52				11.15	0
				120	125	11.58				10.83	0
				243	0	11.63				11.02	0
			QPSK	1	1	11.59				11.10	0
				1	123	11.30				11.10	0
				1	243	11.43				10.58	0
				120	0	11.65				11.18	0
				120	63	11.52				11.17	0
				120	125	11.55				10.82	0
				243	0	11.60				11.03	0
			16QAM	1	1	11.62				11.13	0
			64QAM	1	1	11.17				10.70	0
			256QAM	1	1	11.32				10.87	0
			CP	QPSK	1	1	11.73				11.14

NR Band n41_100 MHz Bandwidth_ Grip Backoff Conducted Power (Power Class 3)

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]				MPR [dB]	
								518598			
								2592.99 MHz			
100 MHz	30	DFT-s	pi/2 BPSK	1	1			11.49			0
				1	137			11.25			0
				1	271			11.14			0
				135	0			11.47			0
				135	69			11.33			0
				135	138			11.05			0
				270	0			11.33			0
			QPSK	1	1			11.18			0
				1	137			11.39			0
				1	271			11.04			0
				135	0			11.35			0
				135	69			11.49			0
				135	138			11.07			0
				270	0			11.33			0
			16QAM	1	1			11.33			0
			64QAM	1	1			11.05			0
			256QAM	1	1			11.18			0
			CP	QPSK	1	1			11.48		

[NR Band n48 Conducted Power_ Main 2 Ant. (DSI 1)]

NR Band n48 _10 Mhz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]				MPR [dB]	
						637000	640134	643200	646334		
						3555 Mhz	3602.01 Mhz	3648 Mhz	3695.01 Mhz		
10 Mhz	30	DFT-s OFDM	pi/2 BPSK	1	1	10.05	9.57	9.71	9.53	0	
				1	12	10.02	9.52	9.70	9.51	0	
				1	22	9.91	9.57	9.68	9.51	0	
				12	0	10.05	9.57	9.71	9.50	0	
				12	6	10.04	9.57	9.71	9.48	0	
				12	12	10.05	9.55	9.71	9.53	0	
			24	0	10.10	9.64	9.72	9.54	0		
			QPSK	1	1	10.06	9.53	9.62	9.50	0	
				1	12	10.02	9.46	9.61	9.48	0	
				1	22	9.90	9.51	9.58	9.53	0	
				12	0	10.11	9.59	9.75	9.61	0	
				12	6	10.12	9.66	9.72	9.59	0	
				12	12	10.13	9.62	9.75	9.60	0	
				24	0	10.16	9.70	9.74	9.59	0	
				16QAM	1	1	10.16	9.60	9.78	9.59	0
			64QAM	1	1	9.73	9.16	9.35	9.15	0	
			256QAM	1	1	9.90	9.32	9.49	9.34	0	
			CP	QPSK	1	1	10.12	9.65	9.72	9.64	0

NR Band n48 _15 Mhz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]				MPR [dB]	
						637166	640166	643166	646166		
						3557.49 Mhz	3602.49 Mhz	3647.49 Mhz	3692.49 Mhz		
15 Mhz	30	DFT-s OFDM	pi/2 BPSK	1	1	10.25	9.61	9.66	9.73	0	
				1	18	10.07	9.54	9.70	9.73	0	
				1	36	10.02	9.69	9.82	9.84	0	
				18	0	10.27	9.68	9.67	9.73	0	
				18	9	10.07	9.60	9.77	9.78	0	
				18	18	10.10	9.69	9.77	9.79	0	
			36	0	10.13	9.59	9.75	9.81	0		
			QPSK	1	1	10.20	9.55	9.61	9.64	0	
				1	18	9.96	9.48	9.66	9.65	0	
				1	36	9.98	9.57	9.70	9.76	0	
				18	0	10.30	9.70	9.71	9.78	0	
				18	9	10.16	9.62	9.79	9.84	0	
				18	18	10.17	9.74	9.82	9.85	0	
				36	0	10.16	9.67	9.85	9.87	0	
				16QAM	1	1	10.14	9.63	9.72	9.72	0
			64QAM	1	1	9.83	9.22	9.27	9.31	0	
			256QAM	1	1	10.02	9.35	9.43	9.48	0	
			CP	QPSK	1	1	10.34	9.63	9.68	9.74	0

NR Band n48 _20 Mhz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]				MPR [dB]
						637334	640222	643112	646000	
						3560.01 MHz	3603.33 MHz	3646.68 MHz	3690 MHz	
20 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	10.34	9.78	9.73	9.76	0
				1	26	10.11	9.61	9.73	9.59	0
				1	49	10.01	9.71	9.74	9.78	0
				25	0	10.31	9.70	9.70	9.69	0
				25	13	10.14	9.68	9.75	9.65	0
				25	26	10.02	9.67	9.81	9.75	0
			50	0	10.16	9.68	9.76	9.69	0	
			QPSK	1	1	10.30	9.71	9.64	9.68	0
				1	26	10.00	9.62	9.68	9.56	0
				1	49	9.96	9.71	9.71	9.68	0
				25	0	10.34	9.73	9.72	9.74	0
				25	13	10.19	9.71	9.85	9.70	0
				25	26	10.11	9.70	9.87	9.84	0
			50	0	10.21	9.74	9.88	9.72	0	
			16QAM	1	1	10.42	9.78	9.75	9.73	0
			64QAM	1	1	9.97	9.39	9.34	9.40	0
			256QAM	1	1	10.12	9.56	9.51	9.54	0
CP	QPSK	1	26	10.42	9.79	9.73	9.81	0		

NR Band n48_40 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						638000	641666	645332	
						3570 MHz	3624.99 MHz	3679.98 MHz	
40 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	10.20	9.70	9.99	0
				1	53	9.78	9.57	9.80	0
				1	104	9.60	9.84	9.95	0
				50	0	10.02	9.73	9.88	0
				50	28	9.81	9.59	9.82	0
				50	56	9.62	9.76	9.82	0
				100	0	9.87	9.68	9.88	0
			QPSK	1	1	10.15	9.77	9.96	0
				1	53	9.72	9.48	9.77	0
				1	104	9.55	9.72	9.95	0
				50	0	10.18	9.81	9.92	0
				50	28	9.84	9.61	9.86	0
				50	56	9.68	9.78	9.88	0
			100	0	9.91	9.72	9.91	0	
			16QAM	1	1	10.31	9.66	10.00	0
			64QAM	1	1	9.89	9.26	9.58	0
			256QAM	1	1	9.99	9.48	9.76	0
CP	QPSK	1	53	10.26	9.81	10.07	0		

[NR Band n66 Conducted Power_ Main 1 Ant. (DSI 1)]

NR Band n66 _5 MHz Bandwidth Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						342500	349000	355500	
						1712.5 MHz	1745 MHz	1777.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	14.84	15.06	14.60	0
				1	13	14.93	15.09	14.65	0
				1	23	14.93	15.10	14.64	0
				12	0	14.94	15.16	14.71	0
				12	7	14.95	15.12	14.70	0
				12	13	15.00	15.11	14.66	0
			QPSK	25	0	14.98	15.14	14.68	0
				1	1	14.75	14.94	14.49	0
				1	13	14.76	14.99	14.55	0
				1	23	14.81	14.93	14.50	0
				12	0	14.93	15.09	14.69	0
				12	7	14.99	15.13	14.70	0
			16QAM	12	13	14.97	15.11	14.70	0
				25	0	14.93	15.13	14.72	0
				1	1	15.27	15.39	15.04	0
				1	1	14.79	14.98	14.57	0
			256QAM	1	1	14.74	14.93	14.52	0
				1	1	14.90	15.11	14.68	0
CP	QPSK	1	1	14.90	15.11	14.68	0		

NR Band n66 _10 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						343000	349000	355000	
						1715 MHz	1745 MHz	1775 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	14.84	15.03	14.65	0
				1	26	14.94	15.09	14.68	0
				1	50	14.96	14.99	14.61	0
				25	0	14.96	15.13	14.78	0
				25	14	15.01	15.19	14.73	0
				25	27	15.05	15.16	14.73	0
			QPSK	50	0	15.01	15.13	14.76	0
				1	1	14.76	14.94	14.59	0
				1	26	14.83	14.95	14.55	0
				1	50	14.90	14.86	14.50	0
				25	0	14.99	15.15	14.79	0
				25	14	15.05	15.18	14.74	0
			16QAM	25	27	15.02	15.13	14.75	0
				50	0	15.05	15.16	14.73	0
				1	1	15.31	15.48	15.04	0
				1	1	14.82	14.99	14.59	0
			256QAM	1	1	14.78	14.91	14.52	0
				1	1	14.91	15.10	14.71	0
CP	QPSK	1	1	14.91	15.10	14.71	0		

NR Band n66 _ 15 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						343500	349000	354500	
						1717.5 MHz	1745 MHz	1772.5 MHz	
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	14.92	15.14	14.84	0
				1	40	14.99	15.11	14.64	0
				1	77	15.15	15.20	14.62	0
				36	0	15.06	15.29	14.95	0
				36	22	15.08	15.21	14.80	0
				36	43	15.13	15.25	14.80	0
			75	0	15.07	15.24	14.79	0	
			QPSK	1	1	14.84	15.00	14.69	0
				1	40	14.85	14.96	14.54	0
				1	77	15.05	15.03	14.52	0
				36	0	15.07	15.24	14.98	0
				36	22	15.08	15.25	14.80	0
				36	43	15.16	15.26	14.80	0
			75	0	15.16	15.25	14.83	0	
			16QAM	1	1	15.31	15.45	15.21	0
			64QAM	1	1	14.83	15.03	14.78	0
256QAM	1	1	14.85	15.06	14.70	0			
CP	QPSK	1	1	15.01	15.19	14.92	0		

NR Band n66 _ 20 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						344000	349000	354000	
						1720 MHz	1745 MHz	1770 MHz	
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	14.92	15.16	14.98	0
				1	53	14.98	15.09	14.69	0
				1	104	15.10	15.07	14.60	0
				50	0	15.02	15.27	14.99	0
				50	28	15.10	15.26	14.94	0
				50	56	15.17	15.20	14.85	0
			100	0	15.12	15.21	14.95	0	
			QPSK	1	1	14.83	15.05	14.84	0
				1	53	14.88	14.99	14.56	0
				1	104	15.00	14.91	14.51	0
				50	0	15.06	15.23	14.97	0
				50	28	15.10	15.24	14.94	0
				50	56	15.16	15.24	14.80	0
			100	0	15.12	15.25	14.92	0	
			16QAM	1	1	15.30	15.48	15.36	0
			64QAM	1	1	14.84	15.09	14.92	0
256QAM	1	1	14.85	15.03	14.85	0			
CP	QPSK	1	1	15.03	15.25	15.06	0		

NR Band n66 _ 30 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]		MPR [dB]
						349000	1745 MHz	
30 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		15.17	0
				1	80		15.26	0
				1	158		15.03	0
				80	0		15.28	0
				80	40		15.27	0
				80	80		15.30	0
			QPSK	160	0		15.30	0
				1	1		15.07	0
				1	80		15.14	0
				1	158		14.87	0
				80	0		15.29	0
				80	40		15.24	0
			16QAM	80	80		15.32	0
				160	0		15.27	0
				1	1		15.48	0
				1	1		15.03	0
256QAM	1	1		15.06	0			
	1	1		15.21	0			
CP	QPSK	1	1		15.21	0		

NR Band n66 _ 40 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]		MPR [dB]
						349000	1745 MHz	
40 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		15.11	0
				1	108		15.25	0
				1	214		14.86	0
				108	0		15.29	0
				108	54		15.28	0
				108	108		15.17	0
			QPSK	216	0		15.24	0
				1	1		15.02	0
				1	108		15.15	0
				1	214		14.74	0
				108	0		15.28	0
				108	54		15.29	0
			16QAM	108	108		15.31	0
				216	0		15.31	0
				1	1		15.48	0
				1	1		15.07	0
256QAM	1	1		15.02	0			
	1	1		15.24	0			
CP	QPSK	1	1		15.24	0		

[NR Band n71 Conducted Power_ Main 1 Ant. (DSI 1)]

NR Band n71 _ 5 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]	
						133100	136100	139100		
						665.5 MHz	680.5 MHz	695.5 MHz		
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	17.06	17.10	17.17	0	
				1	13	17.13	17.14	17.20	0	
				1	23	17.11	17.05	17.18	0	
				12	0	17.06	17.16	17.21	0	
				12	7	17.17	17.18	17.22	0	
				12	13	17.12	17.09	17.24	0	
			QPSK	25	0	17.10	17.14	17.24	0	
				1	1	16.96	16.98	17.01	0	
				1	13	17.00	17.04	17.09	0	
				1	23	16.97	16.90	17.08	0	
				12	0	17.05	17.18	17.21	0	
				12	7	17.11	17.15	17.21	0	
				12	13	17.09	17.12	17.28	0	
				25	0	17.11	17.14	17.25	0	
			16QAM	1	1	17.47	17.45	17.56	0	
			64QAM	1	1	16.98	16.96	17.07	0	
			256QAM	1	1	16.87	16.95	17.02	0	
			CP	QPSK	1	1	17.12	17.09	17.19	0

NR Band n71 _ 10 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]	
						133600	136100	138600		
						668 MHz	680.5 MHz	693 MHz		
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	17.03	17.07	17.12	0	
				1	26	17.09	17.15	17.21	0	
				1	50	17.10	17.13	17.22	0	
				25	0	17.10	17.21	17.28	0	
				25	14	17.05	17.17	17.22	0	
				25	27	17.01	17.09	17.18	0	
			QPSK	50	0	17.03	17.16	17.27	0	
				1	1	16.94	16.92	17.01	0	
				1	26	16.95	17.01	17.06	0	
				1	50	16.95	17.03	17.09	0	
				25	0	17.07	17.18	17.26	0	
				25	14	17.10	17.17	17.26	0	
				25	27	17.06	17.10	17.16	0	
				50	0	17.09	17.14	17.23	0	
			16QAM	1	1	17.44	17.44	17.43	0	
			64QAM	1	1	16.92	16.98	17.05	0	
			256QAM	1	1	16.88	16.89	16.96	0	
			CP	QPSK	1	1	17.09	17.11	17.18	0

NR Band n71 _ 15 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]		MPR [dB]
							136100	
							680.5 MHz	
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		17.06	0
				1	40		17.15	0
				1	77		17.19	0
				36	0		17.27	0
				36	22		17.21	0
				36	43		17.13	0
				75	0		17.24	0
			QPSK	1	1		17.00	0
				1	40		17.02	0
				1	77		17.04	0
				36	0		17.31	0
				36	22		17.19	0
				36	43		17.18	0
				75	0		17.27	0
			16QAM	1	1		17.48	0
			64QAM	1	1		17.06	0
256QAM	1	1		17.01	0			
CP	QPSK	1	1		17.20	0		

NR Band n71 _ 20 MHz Bandwidth_ Grip Backoff Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]		MPR [dB]
							136100	
							680.5 MHz	
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		17.09	0
				1	53		17.18	0
				1	104		17.13	0
				50	0		17.32	0
				50	28		17.19	0
				50	56		17.13	0
				100	0		17.27	0
			QPSK	1	1		16.98	0
				1	53		17.04	0
				1	104		17.01	0
				50	0		17.30	0
				50	28		17.22	0
				50	56		17.16	0
				100	0		17.23	0
			16QAM	1	1		17.47	0
			64QAM	1	1		17.00	0
256QAM	1	1		16.97	0			
CP	QPSK	1	1		17.19	0		

[NR Band n77 Conducted Power_Power Class 3 _NSA_ Main 2 Ant. (DSI 1)]

NR Band n77_ 10 MHz Bandwidth_ Grip Backoff Conducted Power _ Power Class 3 _ NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]						MPR [dB]
						647000	650600	654200	657800	661400	665000	
						3705 MHz	3759 MHz	3813 MHz	3867 MHz	3921 MHz	3975 MHz	
10 MHz	30	DFT-s	pi/2 BPSK	1	1	8.89	9.47	9.61	9.66	9.31	9.51	0
				1	12	8.95	9.57	9.63	9.74	9.21	9.56	0
				1	22	8.89	9.53	9.54	9.56	9.13	9.63	0
				12	0	8.93	9.50	9.57	9.69	9.29	9.54	0
				12	6	8.93	9.52	9.59	9.70	9.29	9.58	0
				12	12	8.97	9.53	9.57	9.68	9.16	9.62	0
			QPSK	24	0	9.01	9.50	9.57	9.68	9.30	9.62	0
				1	1	8.86	9.35	9.56	9.55	9.20	9.47	0
				1	12	8.92	9.47	9.59	9.64	9.10	9.49	0
				1	22	8.88	9.40	9.47	9.45	9.03	9.58	0
				12	0	9.02	9.50	9.64	9.71	9.36	9.62	0
				12	6	9.01	9.53	9.66	9.74	9.32	9.66	0
				12	12	9.02	9.59	9.63	9.73	9.22	9.70	0
				24	0	9.04	9.58	9.67	9.73	9.36	9.66	0
			16QAM	1	1	8.83	9.38	9.62	9.76	9.50	9.70	0
			64QAM	1	1	8.58	9.14	9.20	9.26	8.91	9.10	0
			256QAM	1	1	8.62	9.17	9.33	9.37	9.03	9.22	0
			CP	QPSK	1	1	8.91	9.45	9.63	9.66	9.34	9.56

NR Band n77_ 15 MHz Bandwidth_ Grip Backoff Conducted Power _ Power Class 3 _ NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]						MPR [dB]
						647168	650700	654232	657766	661300	664832	
						3707.52 MHz	3760.5 MHz	3813.49 MHz	3866.5 MHz	3919.5 MHz	3972.48 MHz	
15 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	9.03	9.74	9.93	9.84	9.53	9.69	0
				1	18	8.94	9.72	9.79	9.80	9.38	9.68	0
				1	36	9.08	9.82	9.86	9.91	9.44	9.87	0
				18	0	8.98	9.76	9.88	9.81	9.48	9.66	0
				18	9	8.95	9.76	9.81	9.82	9.46	9.68	0
				18	18	9.04	9.79	9.82	9.83	9.43	9.72	0
			QPSK	36	0	9.04	9.78	9.86	9.86	9.46	9.70	0
				1	1	9.01	9.64	9.92	9.78	9.47	9.61	0
				1	18	8.92	9.62	9.77	9.75	9.31	9.62	0
				1	36	9.08	9.73	9.84	9.85	9.33	9.82	0
				18	0	9.06	9.79	9.93	9.87	9.50	9.73	0
				18	9	9.04	9.78	9.88	9.87	9.45	9.73	0
				18	18	9.07	9.83	9.91	9.94	9.49	9.78	0
				36	0	9.10	9.85	9.96	9.90	9.54	9.74	0
			16QAM	1	1	9.09	9.95	9.94	10.04	9.73	9.87	0
			64QAM	1	1	8.72	9.38	9.52	9.49	9.19	9.28	0
			256QAM	1	1	8.78	9.47	9.66	9.59	9.29	9.42	0
			CP	QPSK	1	1	9.14	9.81	9.98	9.91	9.55	9.71

NR Band n77_ 20 MHz Bandwidth_ Grip Backoff Conducted Power _ Power Class 3 _ NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]						MPR [dB]	
						647334	650800	654266	657734	661200	664666		
						3710.01 MHz	3762 MHz	3813.99 MHz	3866.01 MHz	3918 MHz	3969.99 MHz		
20 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	9.11	9.74	9.91	9.79	9.52	9.62	0	
				1	26	8.98	9.76	9.81	9.76	9.38	9.67	0	
				1	49	9.16	9.87	9.77	9.86	9.40	9.88	0	
				25	0	9.10	9.77	9.89	9.82	9.51	9.64	0	
				25	13	9.08	9.81	9.85	9.84	9.43	9.64	0	
				25	26	9.21	9.87	9.85	9.89	9.46	9.71	0	
			QPSK	1	1	9.08	9.71	9.89	9.77	9.48	9.59	0	
				1	26	8.99	9.73	9.80	9.74	9.35	9.62	0	
				1	49	9.12	9.83	9.79	9.84	9.37	9.86	0	
				25	0	9.16	9.86	9.97	9.90	9.58	9.70	0	
				25	13	9.11	9.87	9.91	9.89	9.52	9.67	0	
				25	26	9.26	9.93	9.92	9.96	9.48	9.77	0	
			16QAM	1	1	9.05	9.76	9.98	9.81	9.74	9.62	0	
				1	1	8.84	9.34	9.55	9.40	9.15	9.21	0	
				1	1	8.89	9.47	9.67	9.52	9.26	9.36	0	
			CP	QPSK	1	1	9.22	9.79	9.91	9.85	9.55	9.64	0

NR Band n77_ 30 MHz Bandwidth_ Grip Backoff Conducted Power _ Power Class 3 _ NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]						MPR [dB]
						647668	651000	654334	657666	661000	664332	
						3715.02 MHz	3765 MHz	3815.01 MHz	3864.99 MHz	3915 MHz	3964.98 MHz	
30 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	9.11	9.66	9.84	10.06	9.72	9.64	0
				1	39	9.14	9.76	9.75	9.93	9.45	9.70	0
				1	76	9.39	9.93	9.81	9.88	9.46	9.87	0
				36	0	9.14	9.74	9.83	9.99	9.68	9.68	0
				36	21	9.22	9.80	9.77	9.92	9.48	9.71	0
				36	42	9.28	9.83	9.80	9.92	9.46	9.75	0
			QPSK	75	0	9.29	9.79	9.82	9.94	9.50	9.74	0
				1	1	9.14	9.54	9.72	9.98	9.65	9.55	0
				1	39	9.17	9.67	9.67	9.85	9.40	9.66	0
				1	76	9.37	9.82	9.73	9.87	9.39	9.82	0
				36	0	9.16	9.77	9.88	10.05	9.72	9.70	0
				36	21	9.27	9.81	9.83	10.02	9.51	9.77	0
			16QAM	36	42	9.32	9.92	9.85	9.98	9.48	9.85	0
				75	0	9.33	9.86	9.88	10.05	9.59	9.80	0
				1	1	9.15	9.58	9.74	10.01	9.90	9.83	0
			64QAM	1	1	8.80	9.32	9.51	9.76	9.33	9.27	0
			256QAM	1	1	8.89	9.40	9.58	9.81	9.42	9.36	0
			CP	QPSK	1	1	9.20	9.69	9.86	10.09	9.75	9.69

NR Band n77_ 40 MHz Bandwidth_ Grip Backoff Conducted Power _ Power Class 3 _ NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]						MPR [dB]
						648000	651200	654400	657600	660800	664000	
						3720 MHz	3768 MHz	3816 MHz	3864 MHz	3912 MHz	3960 MHz	
40 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	9.39	9.83	9.99	10.08	10.02	9.56	0
				1	53	9.23	9.84	9.80	9.93	9.55	9.65	0
				1	104	9.51	10.06	9.89	9.91	9.43	9.99	0
				50	0	9.28	9.80	9.86	9.97	9.88	9.65	0
				50	28	9.32	9.86	9.81	9.94	9.61	9.67	0
				50	56	9.45	9.92	9.86	9.95	9.50	9.77	0
			100	0	9.36	9.88	9.84	9.98	9.60	9.71	0	
			QPSK	1	1	9.43	9.73	9.93	10.06	10.02	9.55	0
				1	53	9.24	9.78	9.73	9.92	9.54	9.64	0
				1	104	9.47	10.00	9.81	9.92	9.41	9.98	0
				50	0	9.28	9.88	9.96	10.06	9.91	9.70	0
				50	28	9.35	9.94	9.89	10.03	9.66	9.69	0
				50	56	9.49	9.97	9.90	10.02	9.54	9.84	0
			100	0	9.40	9.97	9.92	10.06	9.72	9.74	0	
			16QAM	1	1	9.46	9.76	10.22	10.09	10.06	9.58	0
			64QAM	1	1	9.03	9.51	9.65	9.66	9.65	9.14	0
			256QAM	1	1	9.17	9.57	9.73	9.81	9.79	9.32	0
			CP	QPSK	1	1	9.54	9.87	10.06	10.13	10.08	9.61

NR Band n77_ 50 MHz Bandwidth_ Grip Backoff Conducted Power _ Power Class 3 _ NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]						MPR [dB]
						648334	652166	656000		659834	663666	
						3725.01 MHz	3782.49 MHz	3840 MHz		3897.51 MHz	3954.99 MHz	
50 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	8.84	9.65	9.65		9.53	9.37	0
				1	67	8.99	9.79	9.68		9.39	9.27	0
				1	131	9.34	9.65	9.82		9.26	9.41	0
				64	0	8.94	9.80	9.75		9.54	9.28	0
				64	35	9.07	9.81	9.74		9.45	9.26	0
				64	69	9.25	9.69	9.70		9.31	9.39	0
			128	0	9.08	9.76	9.69		9.42	9.27	0	
			QPSK	1	1	8.84	9.54	9.56		9.50	9.31	0
				1	67	9.02	9.69	9.58		9.34	9.25	0
				1	131	9.31	9.61	9.71		9.19	9.39	0
				64	0	8.99	9.84	9.77		9.57	9.39	0
				64	35	9.12	9.87	9.81		9.48	9.33	0
				64	69	9.30	9.77	9.80		9.36	9.47	0
			128	0	9.11	9.84	9.81		9.47	9.40	0	
			16QAM	1	1	8.81	9.60	9.57		9.53	9.59	0
			64QAM	1	1	8.53	9.37	9.34		9.15	9.02	0
			256QAM	1	1	8.58	9.38	9.36		9.26	9.10	0
			CP	QPSK	1	1	8.90	9.68	9.65		9.55	9.38

NR Band n77_60 MHz Bandwidth _ Grip Backoff Conducted Power _ Power Class 3 _ NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]				MPR [dB]		
						648668	653556				658444	663332
						3730.02 MHz	3803.34 MHz				3876.66 MHz	3949.98 MHz
60 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	8.92	9.85			9.65	9.31	0
				1	81	8.99	9.73			10.05	9.54	0
				1	160	9.45	9.65			9.52	9.34	0
				81	0	9.00	9.85			9.99	9.42	0
				81	41	9.11	9.74			10.04	9.54	0
				81	81	9.29	9.66			9.87	9.50	0
			162	0	9.19	9.75			9.89	9.44	0	
			QPSK	1	1	8.91	9.86			9.57	9.25	0
				1	81	8.96	9.71			10.00	9.50	0
				1	160	9.42	9.65			9.48	9.26	0
				81	0	9.08	9.92			10.03	9.46	0
				81	41	9.14	9.81			10.10	9.63	0
				81	81	9.33	9.74			9.95	9.56	0
			162	0	9.24	9.83			9.97	9.54	0	
			16QAM	1	1	9.17	9.89			9.63	9.25	0
			64QAM	1	1	8.62	9.46			9.35	9.01	0
			256QAM	1	1	8.67	9.58			9.38	9.05	0
			CP	QPSK	1	1	9.03	9.89			9.66	9.34

NR Band n77_70 MHz Bandwidth _ Grip Backoff Conducted Power _ Power Class 3 _ NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]				MPR [dB]		
						649000	654336				658334	663000
						3735 MHz	3804.99 MHz				3875.01 MHz	3945 MHz
70 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	8.85	9.80			9.56	9.25	0
				1	95	9.07	9.64			9.56	9.05	0
				1	187	9.50	9.44			9.40	9.30	0
				90	0	8.95	9.75			9.60	9.16	0
				90	50	9.14	9.65			9.67	9.06	0
				90	99	9.37	9.56			9.50	9.17	0
			180	0	9.08	9.64			9.61	9.13	0	
			QPSK	1	1	8.89	9.70			9.45	9.14	0
				1	95	9.11	9.55			9.48	8.95	0
				1	187	9.51	9.38			9.29	9.20	0
				90	0	8.98	9.83			9.66	9.19	0
				90	50	9.19	9.67			9.70	9.06	0
				90	99	9.43	9.65			9.56	9.20	0
			180	0	9.09	9.72			9.68	9.17	0	
			16QAM	1	1	8.93	9.73			9.47	9.18	0
			64QAM	1	1	8.51	9.48			9.25	8.93	0
			256QAM	1	1	8.59	9.53			9.29	8.97	0
			CP	QPSK	1	1	8.95	9.82			9.55	9.23

NR Band n77_80 MHz Bandwidth _ Grip Backoff Conducted Power _ Power Class 3 _ NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]				MPR [dB]			
						649334		656000			662666		
						3740.01 MHz		3840 MHz			3939.99 MHz		
80 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	8.91		9.63		9.47		0	
				1	109	9.15		9.61		9.07		0	
				1	215	9.45		9.56		9.23		0	
				108	0	9.05		9.67		9.29		0	
				108	55	9.23		9.62		9.09		0	
				108	109	9.42		9.65		9.14		0	
			216	0	9.26		9.65		9.14		0		
			QPSK	1	1	8.99		9.56		9.38		0	
				1	109	9.19		9.57		8.96		0	
				1	215	9.47		9.49		9.10		0	
				108	0	9.09		9.70		9.35		0	
				108	55	9.26		9.69		9.13		0	
				108	109	9.45		9.72		9.16		0	
				216	0	9.29		9.71		9.21		0	
				16QAM	1	1	8.90		9.65		9.38		0
				64QAM	1	1	8.65		9.21		9.15		0
				256QAM	1	1	8.71		9.34		9.19		0
			CP	QPSK	1	1	9.00		9.66		9.47		0

NR Band n77_90 MHz Bandwidth _ Grip Backoff Conducted Power _ Power Class 3 _ NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]				MPR [dB]			
						649668		656000			662332		
						3745.02 MHz		3840 MHz			3934.98 MHz		
90 MHz	30	DFT-s	pi/2 BPSK	1	1	8.83		9.61		9.65		0	
				1	123	9.14		9.64		9.10		0	
				1	243	9.59		9.60		9.18		0	
				120	0	8.93		9.56		9.48		0	
				120	63	9.19		9.63		9.14		0	
				120	125	9.49		9.64		9.05		0	
			243	0	9.23		9.65		9.18		0		
			QPSK	1	1	8.82		9.55		9.51		0	
				1	123	9.10		9.52		9.05		0	
				1	243	9.58		9.50		9.11		0	
				120	0	9.00		9.62		9.49		0	
				120	63	9.22		9.67		9.18		0	
				120	125	9.51		9.70		9.10		0	
				243	0	9.28		9.73		9.28		0	
				16QAM	1	1	8.81		9.58		9.56		0
			64QAM	1	1	8.57		9.33		9.32		0	
			256QAM	1	1	8.56		9.36		9.35		0	
			CP	QPSK	1	1	8.84		9.65		9.66		0

NR Band n77_ 100 MHz Bandwidth _ Grip Backoff Conducted Power _ Power Class 3 _ NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]				MPR [dB]		
						650000					662000	
						3750 MHz					3930 MHz	
100 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	8.88				9.56	0	
				1	137	9.31				9.08	0	
				1	271	9.48				9.32	0	
				135	0	9.04				9.41	0	
				135	69	9.26				9.10	0	
				135	138	9.45				9.07	0	
			270	0	9.25				9.29	0		
			QPSK	1	1	8.92				9.50	0	
				1	137	9.27				8.98	0	
				1	271	9.40				9.19	0	
				135	0	9.06				9.47	0	
				135	69	9.28				9.16	0	
				135	138	9.50				9.15	0	
			270	0	9.29				9.36	0		
			16QAM	1	1	8.83				9.50	0	
			64QAM	1	1	8.63				9.27	0	
			256QAM	1	1	8.66				9.32	0	
			CP	QPSK	1	1	8.92				9.56	0

[NR Band n77 DoD Conducted Power_ Power Class 3 _NSA_ Main 2 Ant. (DSI 1)]

NR Band n77 DoD _ 10 MHz Bandwidth_ Grip Backoff Conducted Power _Power Class 3 _NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						630334	633334	636322	
						3455.01 MHz	3500.01 MHz	3544.99 MHz	
10 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	9.02	9.58	9.71	0
				1	12	9.01	9.62	9.71	0
				1	22	9.04	9.69	9.71	0
				12	0	9.03	9.62	9.69	0
				12	6	9.04	9.64	9.73	0
				12	12	9.07	9.65	9.74	0
			24	0	9.08	9.66	9.75	0	
			QPSK	1	1	8.91	9.48	9.60	0
				1	12	8.93	9.52	9.57	0
				1	22	8.96	9.59	9.57	0
				12	0	9.03	9.62	9.69	0
				12	6	9.07	9.69	9.76	0
				12	12	9.10	9.73	9.77	0
			16QAM	12	12	9.10	9.73	9.77	0
				24	0	9.12	9.71	9.78	0
				1	1	9.17	9.73	9.83	0
			64QAM	1	1	8.59	9.16	9.24	0
			256QAM	1	1	8.77	9.36	9.44	0
CP	QPSK	1	1	9.10	9.63	9.76	0		

NR Band n77 DoD _ 15 MHz Bandwidth_ Grip Backoff Conducted Power _Power Class 3 _NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						630500	633334	636166	
						3457.5 MHz	3500.01 MHz	3542.5 MHz	
15 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	9.12	9.66	9.80	0
				1	18	9.25	9.77	9.74	0
				1	36	9.35	9.84	9.79	0
				18	0	9.18	9.69	9.75	0
				18	9	9.19	9.74	9.69	0
				18	18	9.26	9.80	9.68	0
			36	0	9.22	9.75	9.71	0	
			QPSK	1	1	9.03	9.60	9.72	0
				1	18	9.15	9.64	9.66	0
				1	36	9.21	9.79	9.72	0
				18	0	9.25	9.71	9.77	0
				18	9	9.23	9.72	9.78	0
				18	18	9.25	9.82	9.77	0
			16QAM	36	0	9.26	9.80	9.79	0
				1	1	8.99	9.83	9.98	0
				1	1	8.74	9.25	9.38	0
			64QAM	1	1	8.88	9.42	9.57	0
			256QAM	1	1	8.88	9.42	9.57	0
CP	QPSK	1	1	9.16	9.72	9.84	0		

NR Band n77 DoD _ 20 MHz Bandwidth_ Grip Backoff Conducted Power _Power Class 3 _NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						630666	633334	636000	
						3459.99 MHz	3500.01 MHz	3540 MHz	
20 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	9.29	9.77	9.89	0
				1	26	9.28	9.76	9.72	0
				1	49	9.34	9.83	9.63	0
				25	0	9.29	9.70	9.77	0
				25	13	9.29	9.75	9.72	0
				25	26	9.33	9.81	9.66	0
				50	0	9.33	9.75	9.71	0
			QPSK	1	1	9.20	9.66	9.83	0
				1	26	9.20	9.66	9.64	0
				1	49	9.25	9.75	9.57	0
				25	0	9.30	9.76	9.82	0
				25	13	9.28	9.78	9.73	0
				25	26	9.36	9.86	9.73	0
			16QAM	50	0	9.35	9.81	9.76	0
				1	1	9.35	9.64	10.07	0
				1	1	8.88	9.38	9.49	0
			256QAM	1	1	9.02	9.53	9.67	0
				CP	QPSK	1	1	9.34	9.81

NR Band n77 DoD _ 30 MHz Bandwidth_ Grip Backoff Conducted Power _Power Class 3 _NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						630666	633334	636000	
						3459.99 MHz	3500.01 MHz	3540 MHz	
30 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	9.29	9.71	10.23	0
				1	26	9.32	9.85	10.01	0
				1	49	9.54	10.02	9.84	0
				25	0	9.35	9.82	10.12	0
				25	13	9.31	9.86	9.99	0
				25	26	9.46	9.97	9.96	0
				50	0	9.37	9.90	10.05	0
			QPSK	1	1	9.17	9.68	10.19	0
				1	26	9.18	9.78	9.95	0
				1	49	9.43	9.98	9.85	0
				25	0	9.33	9.87	10.15	0
				25	13	9.30	9.92	10.05	0
				25	26	9.47	10.05	9.98	0
			16QAM	50	0	9.44	9.98	10.10	0
				1	1	9.18	9.76	10.11	0
				1	1	8.95	9.33	9.88	0
			256QAM	1	1	9.08	9.58	10.00	0
				CP	QPSK	1	1	9.34	9.83

NR Band n77 DoD _ 40 MHz Bandwidth_ Grip Backoff Conducted Power _Power Class 3 _NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]		MPR [dB]
						631334	635334	
						3470.01 MHz	3530.01 MHz	
40 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	9.45	10.08	0
				1	53	9.45	9.97	0
				1	104	9.90	9.93	0
				50	0	9.51	10.04	0
				50	28	9.55	10.03	0
				50	56	9.69	9.97	0
				100	0	9.59	10.07	0
			QPSK	1	1	9.43	10.05	0
				1	53	9.42	9.90	0
				1	104	9.84	9.86	0
				50	0	9.53	10.03	0
				50	28	9.56	10.01	0
				50	56	9.69	9.95	0
			100	0	9.58	10.06	0	
			16QAM	1	1	9.63	10.26	0
			64QAM	1	1	9.04	9.64	0
			256QAM	1	1	9.22	9.87	0
CP	QPSK	1	1	9.54	10.20	0		

NR Band n77 DoD _ 50 MHz Bandwidth_ Grip Backoff Conducted Power _Power Class 3 _NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]		MPR [dB]
						631666	635000	
						3474.99 MHz	3525 MHz	
50 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	9.09	9.56	0
				1	67	9.07	9.57	0
				1	131	9.48	9.48	0
				64	0	9.11	9.69	0
				64	35	9.15	9.61	0
				64	69	9.34	9.49	0
				128	0	9.16	9.60	0
			QPSK	1	1	9.06	9.49	0
				1	67	9.04	9.50	0
				1	131	9.42	9.38	0
				64	0	9.13	9.70	0
				64	35	9.14	9.64	0
				64	69	9.37	9.54	0
			128	0	9.18	9.60	0	
			16QAM	1	1	9.27	9.75	0
			64QAM	1	1	8.67	9.16	0
			256QAM	1	1	8.85	9.35	0
CP	QPSK	1	1	9.21	9.62	0		

NR Band n77 DoD _ 60 MHz Bandwidth_ Grip Backoff Conducted Power _Power Class 3 _NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]		MPR [dB]	
							633334		
60 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		3500.01 MHz	0	
				1	81		9.22	0	
				1	160		9.65	0	
				81	0		9.69	0	
				81	41		9.54	0	
				81	81		9.63	0	
			162	0		9.78	0		
			162	0		9.64	0		
			QPSK	1	1		9.22	0	
				1	81		9.64	0	
				1	160		9.71	0	
				81	0		9.57	0	
				81	41		9.66	0	
				81	81		9.83	0	
			162	0		9.61	0		
			16QAM	1	1		9.26	0	
			64QAM	1	1		8.83	0	
			256QAM	1	1		9.03	0	
			CP	QPSK	1	1		9.33	0

NR Band n77 DoD _ 70 MHz Bandwidth_ Grip Backoff Conducted Power _Power Class 3 _NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]		MPR [dB]	
							633334		
70 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		3500.01 MHz	0	
				1	95		9.18	0	
				1	187		9.53	0	
				90	0		9.60	0	
				90	50		9.44	0	
				90	99		9.55	0	
				90	99		9.75	0	
				180	0		9.54	0	
			QPSK	1	1		9.22	0	
				1	95		9.53	0	
				1	187		9.60	0	
				90	0		9.48	0	
				90	50		9.59	0	
				90	99		9.77	0	
			180	0		9.60	0		
			16QAM	1	1		9.21	0	
			64QAM	1	1		8.78	0	
			256QAM	1	1		8.97	0	
			CP	QPSK	1	1		9.29	0

NR Band n77 DoD _ 80 MHz Bandwidth_ Grip Backoff Conducted Power _Power Class 3 _NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]		MPR [dB]		
							633334			
80 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		3500.01 MHz			
						9.13		0		
					109		9.52		0	
					215		9.55		0	
				108	0		9.45		0	
				108	55		9.56		0	
				108	109		9.75		0	
			216	0		9.53		0		
			QPSK	1	1		9.10		0	
				1	109		9.51		0	
				1	215		9.53		0	
				108	0		9.49		0	
				108	55		9.61		0	
				108	109		9.74		0	
				216	0		9.57		0	
			16QAM	1	1		9.30		0	
			64QAM	1	1		8.73		0	
			256QAM	1	1		8.91		0	
			CP	QPSK	1	1		9.25		0

NR Band n77 DoD _ 90 MHz Bandwidth_ Grip Backoff Conducted Power _Power Class 3 _NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]		MPR [dB]		
							633334			
90 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		3500.01 MHz			
						9.12		0		
					123		9.55		0	
					243		9.65		0	
				120	0		9.41		0	
				120	63		9.59		0	
				120	125		9.68		0	
			243	0		9.51		0		
			QPSK	1	1		9.11		0	
				1	123		9.46		0	
				1	243		9.58		0	
				120	0		9.45		0	
				120	63		9.60		0	
				120	125		9.73		0	
				243	0		9.54		0	
			16QAM	1	1		9.03		0	
			64QAM	1	1		8.77		0	
			256QAM	1	1		8.90		0	
			CP	QPSK	1	1		9.22		0

NR Band n77 DoD _ 100 MHz Bandwidth_ Grip Backoff Conducted Power _Power Class 3 _NSA

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]		MPR [dB]
						633334	3500.01 MHz	
100 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		9.16	0
				1	137		9.52	0
				1	271		9.62	0
				135	0		9.32	0
				135	69		9.56	0
				135	138		9.67	0
				270	0		9.48	0
			QPSK	1	1		9.13	0
				1	137		9.53	0
				1	271		9.61	0
				135	0		9.35	0
				135	69		9.60	0
				135	138		9.72	0
				270	0		9.53	0
		16QAM	1	1		9.17	0	
		64QAM	1	1		8.75	0	
		256QAM	1	1		8.99	0	
CP	QPSK	1	1		9.23	0		

11.4 WIFI Conducted Power measurement method

Un-Licensed bands (DTS Band)

Test Description	Test Procedure Used
Conducted Output Power	- KDB 558074 v05 - Section 8.3.2.3 - ANSI 63.10-2013 - Section 11.9.2.3

Test Procedure

1. Measure the duty cycle.
2. Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
3. Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times.

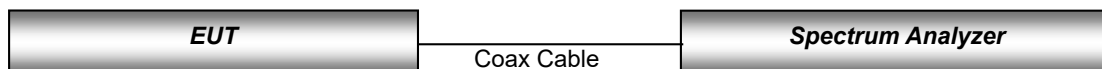
Un-Licensed bands (NII Band)

Test Description	Test Procedure Used
Conducted Output Power	- KDB 789033 D02 v02r01 - Section E.3.a

Test Procedure

1. Measure the duty cycle.
2. Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
3. Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times.

Test setup



11.4.1 IEEE 802.11 (2.4 GHz) Maximum Conducted Power

Mode	Frequency [MHz]	Channel	IEEE 802.11 (2.4 GHz) Average RF Conducted Power [dBm]		
			Ant.1	Ant.2	MIMO
802.11b	2 412	1	17.99	18.19	21.10
	2 437	6	18.05	18.37	21.22
	2 462	11	18.02	18.50	21.28
802.11g	2 412	1	14.46	14.80	17.84
	2 437	6	16.96	17.27	20.12
	2 462	11	14.45	15.14	17.81
802.11n (HT20)	2 412	1	14.36	14.76	17.57
	2 437	6	16.77	17.15	19.97
	2 462	11	14.32	15.13	17.75
802.11ax (HE20)	2 412	1	13.18	13.52	16.36
	2 437	6	16.65	17.03	19.85
	2 462	11	13.25	13.97	16.64

11.4.2 IEEE 802.11 (2.4 GHz) Reduced Conducted Power (Grip Active)

Mode	Frequency [MHz]	Channel	IEEE 802.11 (2.4 GHz) Average RF Conducted Power [dBm]		
			Ant.1	Ant.2	MIMO
802.11b	2 412	1	11.14	11.26	14.21
	2 437	6	11.51	11.47	14.50
	2 462	11	10.93	11.97	14.49
802.11g	2 412	1	10.58	11.07	13.84
	2 437	6	10.56	11.18	13.89
	2 462	11	10.67	11.16	13.93
802.11n (HT20)	2 412	1	10.46	10.92	13.71
	2 437	6	10.42	11.12	13.79
	2 462	11	10.54	11.02	13.80
802.11ax (HE20)	2 412	1	10.44	10.89	13.68
	2 437	6	10.41	11.02	13.74
	2 462	11	10.54	10.97	13.77

11.4.3 IEEE 802.11 (2.4 GHz) Reduced Conducted Power (RSDB, mmWave, Sub6)

Mode	Frequency [MHz]	Channel	IEEE 802.11 (2.4 GHz) Average RF Conducted Power [dBm]		
			Ant.1	Ant.2	MIMO
802.11b	2 412	1	10.24	10.69	13.48
	2 437	6	10.26	10.88	13.59
	2 462	11	10.25	10.79	13.54
802.11g	2 412	1	9.24	9.96	12.63
	2 437	6	9.89	10.04	12.98
	2 462	11	9.41	10.11	12.79
802.11n (HT20)	2 412	1	9.16	9.59	12.39
	2 437	6	9.53	9.65	12.60
	2 462	11	8.91	9.65	12.31
802.11ax (HE20)	2 412	1	9.18	9.85	12.54
	2 437	6	9.39	9.64	12.53
	2 462	11	8.80	9.85	12.37

11.4.4 IEEE 802.11 (5 GHz) Maximum Conducted Power

Frequency [MHz]	Channel	IEEE 802.11 n(40 MHz BW) Conducted Power [dBm]		
		Ant.1	Ant.2	MIMO
5 190	38	16.01	16.24	19.14
5 230	46	16.72	16.84	19.79
5 270	54	16.97	16.80	19.90
5 310	62	15.47	15.83	18.66
5 510	102	15.54	15.88	18.72
5 550	110	16.22	16.32	19.28
5 590	118	16.27	16.67	19.49
5 630	126	16.47	16.47	19.48
5 670	134	16.64	16.65	19.66
5 710	142	16.81	16.69	19.76
5 755	151	16.45	16.35	19.41
5 795	159	16.38	16.43	19.42
5 835	167	16.50	16.17	19.35
5 875	175	15.61	16.10	18.87

11.4.5 IEEE 802.11 (5 GHz) Reduced Conducted Power (Grip Active)

Frequency [MHz]	Channel	IEEE 802.11 ac(80 MHz BW) Conducted Power [dBm]		
		Ant.1	Ant.2	MIMO
5 210	42	7.76	7.57	10.67
5 290	58	7.70	7.79	10.75
5 530	106	7.53	7.93	10.74
5 610	122	7.37	7.94	10.67
5 690	138	7.95	8.31	11.14
5 775	155	7.88	7.96	10.93
5 855	171	7.84	7.89	10.87

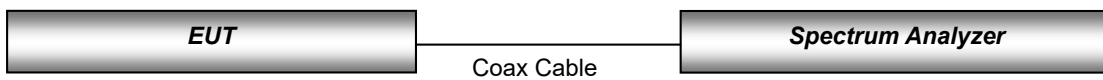
11.4.6 IEEE 802.11 (5 GHz) Reduced Conducted Power (RSDB, mmWave, Sub6)

Frequency [MHz]	Channel	IEEE 802.11 ac(80 MHz BW) Conducted Power [dBm]		
		Ant.1	Ant.2	MIMO
5 210	42	7.24	7.10	10.18
5 290	58	7.11	7.06	10.09
5 530	106	6.95	7.28	10.13
5 610	122	6.84	7.32	10.09
5 690	138	7.34	7.71	10.54
5 775	155	7.37	7.51	10.45
5 855	171	7.33	7.42	10.38

Justification for test configurations for WLAN per KDB Publication 248227 D01v02r02:

- Power measurements were performed for the transmission mode configuration with the highest maximum output power specified for production units.
- For transmission mode with the same maximum output power specification, powers were measured for the largest channel bandwidth, lowest order modulation and lowest data rate.
- For transmission modes with identical maximum specified output power, channel bandwidth, modulation and data rates, power measurements were required for all identical configurations.
- For each transmission mode configuration, powers were measured for the highest and lowest channels; and at the mid-band channel(s) when there were at least 3 channels supported. For configurations with multiple mid-band channels, due to an even number of channels, both channels were measured.

Test Configuration



11.5 Bluetooth

11.5.1 Bluetooth Maximum Conducted Power

The Burst averaged-conducted power (Maximum)

Mode	Channel	Bluetooth Power [dBm]	
		Ant1	Ant2
DH5	0	15.87	15.54
	39	16.12	15.59
	78	15.04	14.60
2-DH5	0	13.81	13.61
	39	14.03	13.63
	78	12.88	12.64
3-DH5	0	13.83	13.62
	39	14.05	13.64
	78	12.86	12.65

The Burst averaged-conducted power (Maximum)

Mode	Packet Length	Channel	Bluetooth Power [dBm]	
			Ant1	Ant2
LE 1M	37	0	11.00	10.64
		19	11.44	10.86
		39	10.26	9.77
	255	0	10.79	10.51
		19	11.24	10.63
		39	10.09	9.64
LE 2M	37	0	10.96	10.62
		19	11.40	10.73
		39	10.25	9.74
	255	0	10.83	10.55
		19	11.16	10.70
		39	10.03	9.66
LE 125K	37	0	10.92	10.65
		19	11.28	10.75
		39	10.15	9.78
	255	0	10.77	10.43
		19	11.19	10.57
		39	10.05	9.57
LE 500K	37	0	11.03	10.73
		19	11.37	10.84
		39	10.20	9.77
	255	0	10.81	10.65
		19	11.24	10.69
		39	10.06	9.67

The Burst averaged-conducted power Grip sensor active, RSDB on, mmWave on, Sub6 on (Reduced)

Mode	Channel	Bluetooth Power [dBm]	
		Ant1	Ant2
DH5	0	7.51	7.12
	39	8.18	7.77
	78	7.37	6.93
2-DH5	0	7.33	6.96
	39	8.07	7.63
	78	7.22	6.80
3-DH5	0	7.30	7.01
	39	8.05	7.64
	78	7.20	6.79

The Burst averaged-conducted power Grip sensor active, RSDB on, mmWave on, Sub6 on (Reduced)

Mode	Packet Length	Channel	Bluetooth Power [dBm]	
			Ant1	Ant2
LE 1M	37	0	7.78	7.33
		19	8.15	7.59
		39	6.99	6.51
	255	0	7.64	7.21
		19	7.97	7.45
		39	6.81	6.35
LE 2M	37	0	6.79	6.33
		19	7.16	6.58
		39	6.01	5.51
	255	0	6.60	6.16
		19	6.95	6.39
		39	5.79	5.30
LE 125K	37	0	7.66	7.21
		19	7.99	7.45
		39	6.84	6.37
	255	0	7.55	7.12
		19	7.86	7.33
		39	6.70	6.23
LE 500K	37	0	7.76	7.33
		19	8.11	7.57
		39	6.96	6.48
	255	0	7.66	7.22
		19	7.99	7.43
		39	6.83	6.35

Per October 2016 TCB Workshop Notes:

When call box and Bluetooth protocol are used for Bluetooth SAR measurement, time-domain plot is required to identify duty factor for supporting the test setup and result.

Bluetooth duty cycle was measured using Bluetooth tester equipment (CBT / R&S) with Bluetooth protocol. DH5 mode is the highest duty cycle and conducted power. SAR test were performed at DH5 mode.

Bluetooth DH5 mode



Bluetooth Duty Cycle [BDR]

Duty Cycle = (BT-On time /BT-Full time) = (2.880/3.750) = 0.768 (DH5)

BT DH5 Maximum Duty Factor:

The theoretical maximum duty cycle defined by chipset manufacturer is 76.75 % in the ideal theory Duty Cycle, the test error tolerance [1%] of the test equipment was considered and applied to the measurement results. The duty cycle of DH5 measured by DUT was 76.88 %, and the duty cycle was compensated by applying test error tolerance 1 %.