



HCT Co., Ltd.
74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383 KOREA
Tel. +82 31 634 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 27, 2023 Test Report No.: HCT-SR-2305-FC014-R1 Test Site: HCT CO., LTD.
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FCC ID:

A3LSMF946B

Equipment Type:	Mobile Phone
Application Type	Certification
FCC Rule Part(s):	CFR §2.1093
Model Name:	SM-F946B/DS
Additional Model Name:	SM-F946B
Date of Test:	Mar. 30, 2023 ~ May 04, 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


Jin Nyeong, Choi
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 19, 2023	Initial Release
1	May 27, 2023	Revised Sec. 4.2, Sec. 13

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 D06 Hot Spot SAR v02r01
- 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 RF Exposure Procedures v01
- FCC KDB Publication 648474 D04 Handset SAR v01r03
- FCC KDB Publication 616217 D04 v01r02 (Proximity Sensor)
- 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
- FCC KDB Publication 941225 D07 UMPC Mini Tablet v01r02

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

- October 2013 TCB Workshop Notes (GPRS testing criteria)
- 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 Band 41 Power Class 2)
- April 2019 TCBC Workshop Notes (IEEE 802.11 ax)
- April 2018 TCBC Workshop Notes (LTE UL CA, DL CA SAR Test Exclusion)
- November 2019 TCBC Workshop Notes (SPLSR Hotspot Combination)
- 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-F946B/DS
Additional Model Name	SM-F946B
Equipment Type	Mobile Phone
FCC ID	A3LSMF946B
Application Type	Certification
Applicant	SAMSUNG Electronics Co., Ltd.

3.2 Attestation of test result of device under test

The Highest Reported SAR							
Band	Tx. Frequency	Equipment Class	Reported SAR (W/kg)				
			Folder Closed			Folder Open	
			1g Head	1g Body	10g Phablet	1g UMPC Body	10g UMPC Extremity
GSM/GPRS/EDGE 850	824.2 MHz ~ 848.8 MHz	PCE	<0.10	0.24	N/A	0.55	1.17
GSM/GPRS/EDGE 1900	1 850.2 MHz ~ 1 909.8 MHz	PCE	<0.10	0.63	N/A	0.53	2.41
UMTS Band 5	826.4 MHz ~ 846.6 MHz	PCE	0.17	0.57	N/A	0.64	1.57
UMTS Band 4	1 712.4 MHz ~ 1 752.6 MHz	PCE	0.1	0.74	N/A	0.46	2.63
UMTS Band 2	1 852.4 MHz ~ 1 907.6 MHz	PCE	0.11	0.64	N/A	0.68	3.14
LTE Band 2 (PCS)	1 850.7 MHz ~ 1 909.3 MHz	PCE	N/A	N/A	N/A	N/A	N/A
LTE Band 25 (PCS)	1 850.7 MHz ~ 1 914.3 MHz	PCE	1.09	0.77	N/A	0.79	2.81
LTE Band 4 (AWS)	1 710.7 MHz ~ 1 754.3 MHz	PCE	N/A	N/A	N/A	N/A	N/A
LTE Band 66 (AWS)	1 710.7 MHz ~ 1 779.3 MHz	PCE	1.05	0.82	N/A	0.71	2.76
LTE Band 5 (Cell)	824.7 MHz ~ 848.3 MHz	PCE	0.14	0.47	N/A	0.49	1.42
LTE Band 26 (Cell)	814.7 MHz ~ 848.3 MHz	PCE	0.15	0.46	N/A	0.74	1.27
LTE Band 12	699.7 MHz ~ 715.3 MHz	PCE	0.2	0.34	N/A	0.41	1.25
LTE Band 13	779.5 MHz ~ 784.5 MHz	PCE	0.18	0.33	N/A	0.35	0.99
LTE Band 17	706.5 MHz ~ 713.5 MHz	PCE	N/A	N/A	N/A	N/A	N/A
LTE TDD Band 41	2 498.5 MHz ~ 2 687.5 MHz	PCE	0.49	0.73	N/A	0.99	2.31
NR Band n5	826.5 MHz ~ 846.5 MHz	PCE	0.11	0.34	N/A	0.55	1.63
NR Band n66	1 712.5 MHz ~ 1 777.5 MHz	PCE	1.11	0.77	N/A	0.77	2.06
NR Band n2 (PCS)	1 852.5 MHz~ 1 907.5 MHz	PCE	N/A	N/A	N/A	N/A	N/A
NR Band n25 (PCS)	1 852.5 MHz ~ 1 912.5 MHz	PCE	0.91	0.89	N/A	0.94	3.08
NR Band n41	2 506.02 MHz ~ 2 679.99 MHz	PCE	0.48	0.88	N/A	1.15	3.00
NR Band n77 DoD	3 455.04 MHz ~ 3 544.98 MHz	PCE	0.23	0.31	N/A	0.70	2.82
NR Band n77	3 705 MHz ~ 3 975 MHz	PCE	0.37	0.38	N/A	0.71	2.74
2.4GHz WLAN	2 412 MHz ~ 2 472 MHz	DTS	0.75	0.83	N/A	1.01	2.44
U-NII-1	5 180 MHz ~ 5 240 MHz	NII	N/A	N/A	N/A	N/A	N/A
U-NII-2A	5 260 MHz ~ 5 320 MHz	NII	<0.10	1.02	1.53	0.88	1.81
U-NII-2C	5 500 MHz ~ 5 720 MHz	NII	0.13	0.91	1.43	0.69	1.16
U-NII-3	5 745 MHz ~ 5 825 MHz	NII	<0.10	0.81	N/A	0.84	1.18
U-NII-4	5 845 MHz ~ 5 885 MHz	NII	0.12	0.41	1.62	0.53	0.97
Bluetooth	2 402 MHz ~ 2 480 MHz	DSS/DTS	0.23	0.22	N/A	0.2	0.85
NFC	13.56 MHz	DXX	N/A	N/A	<0.10	N/A	<0.10
Simultaneous SAR per KDB 690783 D01v01r03			1.11	1.02	1.62	1.15	3.14
Date(s) of Tests:			Mar. 30, 2023 ~ May 04, 2023				

4. Device Under Test Description

4.1 DUT specification

Device Wireless specification overview		
Band & Mode	Operating Mode	Tx Frequency
GSM850	Voice / Data	824.2 MHz ~ 848.8 MHz
GSM1900	Voice / Data	1 850.2 MHz ~ 1 909.8 MHz
UMTS Band 5	Voice / Data	826.4 MHz ~ 846.6 MHz
UMTS Band 4	Voice / Data	1 712.4 MHz ~ 1 752.6 MHz
UMTS Band 2	Voice / Data	1 852.4 MHz ~ 1 907.6 MHz
LTE Band 2 (PCS)	Voice / Data	1 850.7 MHz ~ 1 909.3 MHz
LTE Band 4 (AWS)	Voice / Data	1 710.7 MHz ~ 1 754.3 MHz
LTE Band 5 (Cell)	Voice / Data	824.7 MHz ~ 848.3 MHz
LTE Band 12	Voice / Data	699.7 MHz ~ 715.3 MHz
LTE Band 13	Voice / Data	779.5 MHz ~ 784.5 MHz
LTE Band 17	Voice / Data	706.5 MHz ~ 713.5 MHz
LTE Band 25	Voice / Data	1 850.7 MHz ~ 1 914.3 MHz
LTE Band 26	Voice / Data	814.7 MHz ~ 848.3 MHz
LTE TDD Band 41	Voice / Data	2 498.5 MHz ~ 2 687.5 MHz
LTE Band 66 (AWS)	Voice / Data	1 710.7 MHz ~ 1 779.3 MHz
NR Band n2 (PCS)	Voice / Data	1 852.5 MHz ~ 1 907.5 MHz
NR Band n5	Voice / Data	826.5 MHz ~ 846.5 MHz
NR Band n25 (PCS)	Voice / Data	1 852.5 MHz ~ 1 912.5 MHz
NR Band n41	Voice / Data	2 506.02 MHz ~ 2 679.99 MHz
NR Band n66	Voice / Data	1 712.5 MHz ~ 1 777.5 MHz
NR Band n77	Voice / Data	3 705 MHz ~ 3 975 MHz
NR Band n77 DoD	Voice / Data	3 455.01 MHz ~ 3 544.98 MHz
U-NII-1	Voice / Data	5 180 MHz ~ 5 240 MHz
U-NII-2A	Voice / Data	5 260 MHz ~ 5 320 MHz
U-NII-2C	Voice / Data	5 500 MHz ~ 5 720 MHz
U-NII-3	Voice / Data	5 745 MHz ~ 5 825 MHz
U-NII-4	Voice / Data	5 845 MHz ~ 5 885 MHz
U-NII-5	Voice / Data	5 955 MHz ~ 6 425 MHz
U-NII-6	Voice / Data	6 425 MHz ~ 6 525 MHz
U-NII-7	Voice / Data	6 525 MHz ~ 6 875 MHz
U-NII-8	Voice / Data	6 875 MHz ~ 7 115 MHz
2.4 GHz WLAN	Voice / Data	2 412 MHz ~ 2 472 MHz
Bluetooth / LE 5.3	Data	2 402 MHz ~ 2 480 MHz
UWB	Data	6 489.6 MHz ~ 7 987.2 MHz
NFC	Data	13.56 MHz
WPC	Data	110 kHz ~ 148 kHz

Device Description											
S/W Version	F946B.001										
H/W Version	REV1.0										
Device Serial Numbers	<table border="1"> <thead> <tr> <th>Mode</th> <th>Serial Number</th> </tr> </thead> <tbody> <tr> <td>GSM850,1900, UMTS B2, B4, B5 LTE B5, B12, B13, B26, B66, B41 NR n5, n66, n25, n41</td> <td>WCK0182M, WCK0156M, WCK0150M, WCK0123M, WCK0148M, WCK0114M</td> </tr> <tr> <td>NR n77</td> <td>WCK0193M, WEB0337M</td> </tr> <tr> <td>NR n41 SRS, n77 SRS</td> <td>WDJ0166M, WDJ0512M</td> </tr> <tr> <td>WLAN 2.4GHz , Bluetooth, WLAN 5GHz, WLAN 6 GHz, NFC, UWB</td> <td>WDJ0181M, TKQ3559R, WCK0138M</td> </tr> </tbody> </table>	Mode	Serial Number	GSM850,1900, UMTS B2, B4, B5 LTE B5, B12, B13, B26, B66, B41 NR n5, n66, n25, n41	WCK0182M, WCK0156M, WCK0150M, WCK0123M, WCK0148M, WCK0114M	NR n77	WCK0193M, WEB0337M	NR n41 SRS, n77 SRS	WDJ0166M, WDJ0512M	WLAN 2.4GHz , Bluetooth, WLAN 5GHz, WLAN 6 GHz, NFC, UWB	WDJ0181M, TKQ3559R, WCK0138M
	Mode	Serial Number									
	GSM850,1900, UMTS B2, B4, B5 LTE B5, B12, B13, B26, B66, B41 NR n5, n66, n25, n41	WCK0182M, WCK0156M, WCK0150M, WCK0123M, WCK0148M, WCK0114M									
	NR n77	WCK0193M, WEB0337M									
	NR n41 SRS, n77 SRS	WDJ0166M, WDJ0512M									
WLAN 2.4GHz , Bluetooth, WLAN 5GHz, WLAN 6 GHz, NFC, UWB	WDJ0181M, TKQ3559R, WCK0138M										
The manufacturer has confirmed that the devices tested have the same physical, mechanical and thermal characteristics are within operational tolerances expected for production units.											

4.2 Time-Averaging Algorithm for RF Exposure Compliance

This equipment contains the Qualcomm modem supporting 2G/3G/4G WWAN technologies, Sub6 5G NR bands and WLAN/BT operations. This modems are enabled with Qualcomm Smart Transmit feature to control and manage transmitting power in real time and to ensure at all times the time-averaged RF exposure is in compliance with the FCC requirement.

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 20 configured for the second generation (GEN 2) for sub6.

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. Below table shows Plimit EFS settings and maximum tune up output power Pmax configured for this EUT for various transmit conditions (Device StateIndex DSI). Note that the device uncertainty for sub-6GHz WWAN/WLAN/BT is 1.0dB for this EUT.

Plim values in green indicate Plimt < Pmax			Plim values in grey indicate Plim > Pmax			Pmax		
Plimt corresponding to 1 W/kg (1g) 2.5W/kg(10g) SAR_Design_target								
SAR Exposure Position			Head	UMPC Body	UMPC Extremity	Body	Phablet	*Maximum Tune-up Output Power [dBm]
Configuration			Open/Closed	Open	Open	Closed	Closed	
Averaging volume			1g	1g	10g	1g	10g	
seperation Distance			0 mm	10 mm	0 mm	10 mm	0 mm	
Mode	Band	Antenna	DSI			DSI	DSI	
			2,3	0	1			
GSM/GPRS/EDGE	850	A, A+B	40.5	29.3	28.2	25.5		
GSM/GPRS/EDGE	1900	B	34.1	18.5	18.5	22.2		
UMTS	5	A, A+B	33.3	27.4	26.3	24.5		
UMTS	4	B	34.8	19.0	19.0	23.8		
UMTS	2	B	34.6	19.0	19.0	23.8		
LTE FDD	2	B	34.8	19.0	19.0	24.0		
LTE FDD	2	F	22.5	20.0	20.0	24.0		
LTE FDD	4	B	33.7	19.0	19.0	24.0		
LTE FDD	4	F	22.5	20.0	20.0	24.0		
LTE FDD	5	A, A+B	33.8	26.8	26.9	24.5		
LTE FDD	12	A, A+B	32.5	28.5	25.3	24.5		
LTE FDD	13	A, A+B	31.5	28.0	26.0	23.0		
LTE FDD	17	A, A+B	32.5	28.5	25.3	24.5		
LTE FDD	25	B	34.8	19.0	19.0	24.0		
LTE FDD	25	F	22.5	20.0	20.0	24.0		
LTE FDD	26	A, A+B	33.8	26.8	26.9	24.5		
LTE TDD PC3	41 P3	B	34.5	17.0	17.0	22.0		
LTE TDD PC3	41 P3	F	26.1	19.0	19.0	22.0		
LTE TDD PC2	41 P2	B	35.1	17.0	17.0	21.9		
LTE TDD PC2	41 P2	F	26.4	19.0	19.0	21.9		
LTE FDD	66	B	33.7	19.0	19.0	24.0		
LTE FDD	66	F	22.5	20.0	20.0	24.0		
NR FDD	2	B	35.0	19.0	19.0	23.0		
NR FDD	2	F	22.5	20.0	20.0	23.0		
NR FDD	5	A, A+B	34.7	26.8	27.6	24.0		
NR FDD	25	B	35.0	19.0	19.0	23.0		
NR FDD	25	F	22.5	20.0	20.0	23.0		
NR TDD PC3	41	B	22.0	17.0	17.0	24.0		
NR TDD PC3	41	F	20.0	19.0	19.0	24.0		
NR TDD SRS2(PC3)	41	C	12.0	12.0	12.0	19.5		
NR TDD SRS3(PC3)	41	H	12.0	12.0	12.0	18.0		
NR FDD	66	B	35.8	19.0	19.0	23.5		
NR FDD	66	F	22.5	20.0	20.0	23.0		
NR TDD PC3	77	F	17.0	17.5	17.5	24.0		
NR TDD SRS1(PC3)	77	D	15.0	15.0	15.0	17.0		
NR TDD SRS2(PC3)	77	G	15.0	15.0	15.0	22.0		
NR TDD SRS3(PC3)	77	A	15.0	15.0	15.0	17.0		
NR TDD PC3	77 DOD	F	17.0	17.5	17.5	24.0		
NR TDD SRS1(PC3)	77 DOD	D	15.0	15.0	15.0	17.0		
NR TDD SRS2(PC3)	77 DOD	G	15.0	15.0	15.0	22.0		
NR TDD SRS3(PC3)	77 DOD	A	15.0	15.0	15.0	17.0		
WLAN	2.4GHz	G	16.0	19.3	19.6	18.0		
WLAN	2.4GHz	H+G	19.0	22.8	22.9	21.0		
WLAN	5GHz	H+J	31.1	19.0	19.0	20.0		
WLAN	6GHz	H+J	29.0	16.4	16.9	12.0		
Bluetooth	DH5	H	24.6	26.4	27.2	17.0		
Bluetooth	DH5	G	22.9	21.6	21.3	15.0		

Note all P_{limit} 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 2G/4G TDD modulation schemes (for e.g., GSM, LTE TDD).

*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. The maximum time-averaged output power (dBm) for any 2G/3G/4G/5G WWAN/WLAN/BT technology, band, and DSI = minimum of "P_{limit} EFS" and "Maximum tune up output power P_{max} " + 1dB device uncertainty. SAR values in this report were scaled to this maximum time-averaged output power to determine compliance per KDB Publication 447498 D04v01.

The purpose of this report (Part 1 test) 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 0dB.

4.4 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 D04v01.

4.4.1 3G/4G/5G Nominal and Maximum Output Power

A. GSM Modes

(Tolerance: -1.5 dB ~ +1.0 dB)

GSM/GPRS/EDGE 850									
Power Level	Voice (in dBm)	Data - Burst Average GMSK (in dBm)				Data - Burst Average 8-PSK (in dBm)			
	1 TX Slot	1 TX Slots	2 TX Slots	3 TX Slots	4 TX Slots	1 TX Slots	2 TX Slots	3 TX Slots	4 TX Slots
Pmax	32.0	32.0	31.5	29.5	27.5	27.0	25.0	23.0	22.0
DSI = 0 (F/O - Body)	32.0	32.0	31.5	29.5	27.5	27.0	25.0	23.0	22.0
DSI = 1 (F/C - Body)	32.0	32.0	31.5	29.5	27.5	27.0	25.0	23.0	22.0
DSI = 2 (F/O - Head)	32.0	32.0	31.5	29.5	27.5	27.0	25.0	23.0	22.0
DSI = 3 (F/C - Head)	32.0	32.0	31.5	29.5	27.5	27.0	25.0	23.0	22.0
GSM/GPRS/EDGE 1900									
Power Level	Voice (in dBm)	Data - Burst Average GMSK (in dBm)				Data - Burst Average 8-PSK (in dBm)			
	1 TX Slot	1 TX Slots	2 TX Slots	3 TX Slots	4 TX Slots	1 TX Slots	2 TX Slots	3 TX Slots	4 TX Slots
Pmax	29.5	29.5	28.0	26.5	24.5	26.0	24.0	22.0	21.0
DSI = 0 (F/O - Body)	27.5	27.5	24.5	22.7	21.5	26.0	24.0	22.0	21.0
DSI = 1 (F/C - Body)	27.5	27.5	24.5	22.7	21.5	26.0	24.0	22.0	21.0
DSI = 2 (F/O - Head)	29.5	29.5	28.0	26.5	24.5	26.0	24.0	22.0	21.0
DSI = 3 (F/C - Head)	29.5	29.5	28.0	26.5	24.5	26.0	24.0	22.0	21.0

B. UMTS Modes

(Tolerance: -1.5 dB ~ +1.0 dB)

UMTS Band 5 (850 MHz)					
Mode / Band	Modulated Average Output Power (in dBm)				
	Pmax	DSI = 0 (F/O - Body)	DSI = 1 (F/C - Body)	DSI = 2 (F/O - Head)	DSI = 3 (F/C - Head)
3GPP WCDMA Rel 99	24.5	24.5	24.5	24.5	24.5
3GPP HSDPA Rel 5	23.5	23.5	23.5	23.5	23.5
3GPP HSUPA Rel 6	23.5	23.5	23.5	23.5	23.5
3GPP DC-HSDPA Rel 8	23.5	23.5	23.5	23.5	23.5
UMTS Band 4 (1750 MHz)					
Mode / Band	Modulated Average Output Power (in dBm)				
	Pmax	DSI = 0 (F/O - Body)	DSI = 1 (F/C - Body)	DSI = 2 (F/O - Head)	DSI = 3 (F/C - Head)
3GPP WCDMA Rel 99	23.8	19	19	23.8	23.8
3GPP HSDPA Rel 5	22.8	18	18	22.8	22.8
3GPP HSUPA Rel 6	22.8	18	18	22.8	22.8
3GPP DC-HSDPA Rel 8	22.8	18	18	22.8	22.8
UMTS Band 2 (1900 MHz)					
Mode / Band	Modulated Average Output Power (in dBm)				
	Pmax	DSI = 0 (F/O - Body)	DSI = 1 (F/C - Body)	DSI = 2 (F/O - Head)	DSI = 3 (F/C - Head)
3GPP WCDMA Rel 99	23.8	19	19	23.8	23.8
3GPP HSDPA Rel 5	22.8	18	18	22.8	22.8
3GPP HSUPA Rel 6	22.8	18	18	22.8	22.8
3GPP DC-HSDPA Rel 8	22.8	18	18	22.8	22.8

C. LTE Modes

(Tolerance: -1.5 dB ~ +1.0 dB)

Mode / Band	Antenna	Modulated Average Output Power (in dBm)				
		Pmax	DSI = 0 (F/O - Body)	DSI = 1 (F/C - Body)	DSI = 2 (F/O - Head)	DSI = 3 (F/C - Head)
LTE FDD Band 12	A, A+B	24.5	24.5	24.5	24.5	24.5
LTE FDD Band 13	A, A+B	23.0	23.0	23.0	23.0	23.0
LTE FDD Band 17	A, A+B	24.5	24.5	24.5	24.5	24.5
LTE FDD Band 26	A, A+B	24.5	24.5	24.5	24.5	24.5
LTE FDD Band 5	A, A+B	24.5	24.5	24.5	24.5	24.5
LTE FDD Band 66	B	24.0	19.0	19.0	24.0	24.0
LTE FDD Band 4	B	24.0	19.0	19.0	24.0	24.0
LTE FDD Band 25	B	24.0	19.0	19.0	24.0	24.0
LTE FDD Band 2	B	24.0	19.0	19.0	24.0	24.0
LTE TDD Band 41	B	24.0	19.0	19.0	24.0	24.0
LTE TDD Band 41 (PC2)	B	25.5	20.6	20.6	25.5	25.5
LTE FDD Band 66_Upper	F	24.0	20.0	20.0	22.5	22.5
LTE FDD Band 4_Upper	F	24.0	20.0	20.0	22.5	22.5
LTE FDD Band 25_Upper	F	24.0	20.0	20.0	22.5	22.5
LTE FDD Band 2_Upper	F	24.0	20.0	20.0	22.5	22.5
LTE TDD Band 41_Upper	F	24.0	21.0	21.0	24.0	24.0
LTE TDD Band 41_Upper (PC2)	F	25.5	22.6	22.6	25.5	25.5

D. 5G NR SUB 6

(Tolerance: -1.5 dB ~ +1.0 dB)

Mode / Band	Antenna	Modulated Average Output Power (in dBm)				
		Pmax	DSI = 0 (F/O - Body)	DSI = 1 (F/C - Body)	DSI = 2 (F/O - Head)	DSI = 3 (F/C - Head)
NR FDD Band 5	A, A+B	24.0	24.0	24.0	24.0	24.0
NR FDD Band 66	B	23.5	19.0	19.0	23.5	23.5
NR FDD Band 25	B	23.0	19.0	19.0	23.0	23.0
NR FDD Band 2	B	23.0	19.0	19.0	23.0	23.0
NR FDD Band 66_Upper	F	23.0	20.0	20.0	22.5	22.5
NR FDD Band 25_Upper	F	23.0	20.0	20.0	22.5	22.5
NR FDD Band 2_Upper	F	23.0	20.0	20.0	22.5	22.5
Mode / Band	Antenna	Modulated Average Output Power (in dBm) (P _{limit} duty 100%)				
		Pmax	DSI = 0 (F/O - Body)	DSI = 1 (F/C - Body)	DSI = 2 (F/O - Head)	DSI = 3 (F/C - Head)
NR TDD Band 41 (PC3 SA)	B	24.0	17.0	17.0	22.0	22.0
NR TDD Band 41 (SA) SRS#1	F	20.0	19.0	19.0	20.0	20.0
NR TDD Band 41 (SA) SRS#2	C	19.5	12.0	12.0	12.0	12.0
NR TDD Band 41 (SA) SRS#3	H	16.0	12.0	12.0	12.0	12.0
NR TDD Band 41 (PC3 NSA)	F	24.0	19.0	19.0	20.0	20.0
NR TDD Band 41 (NSA) SRS#1	B	22.0	17.0	17.0	22.0	22.0
NR TDD Band 41 (NSA) SRS#2	H	18.0	12.0	12.0	12.0	12.0
NR TDD Band 41 (NSA) SRS#3	C	19.0	12.0	12.0	12.0	12.0
NR TDD Band 41 upper (PC3 SA)	F	24.0	19.0	19.0	20.0	20.0
NR TDD Band 41 upper (SA) SRS#1	B	22.0	17.0	17.0	22.0	22.0
NR TDD Band 41 upper (SA) SRS#2	H	18.0	12.0	12.0	12.0	12.0
NR TDD Band 41 upper (SA) SRS#3	C	19.0	12.0	12.0	12.0	12.0
NR TDD Band 77 (PC3)	F	24.0	17.5	17.5	17.0	17.0
NR TDD Band 77 SRS#1	D	17.0	15.0	15.0	15.0	15.0
NR TDD Band 77 SRS#2	G	22.0	15.0	15.0	15.0	15.0
NR TDD Band 77 SRS#3	A	17.0	15.0	15.0	15.0	15.0

4.4.2 Maximum 2.4 GHz, 5 GHz, 6 GHz WIFI output power

Maximum Power(Pmax)

() : Power to 6E Standard AP

Ch12, 13 Airplane mode only (SISO - Ch12 : 5, Ch13 : -1)

Mode	Band	SISO(ANT 1)					SISO(ANT 2)					MIMO								
		a	b	g	n	ac	ax (SU)	a	b	g	n	ac	ax (SU)	a	b	g	n	ac	ax(SU)	
2.4GHz	2.45GHz								18	17	17	17	17		21	20	20	20	20	20
5GHZ (20MHz)	5200MHz													20			20	20	20	20
	5300MHz													20			20	20	20	20
	5500MHz													20			20	20	20	20
	5800MHz													20			20	20	20	20
	5900MHz													20			20	20	20	20
5GHZ (40MHz)	5200MHz																20	20	20	20
	5300MHz																Ch38:19	Ch38:19	Ch38:18	Ch38:18
	5500MHz																20	20	20	20
	5800MHz																Ch62:18	Ch62:18	Ch62:18	Ch62:18
	5900MHz																20	20	20	20
5GHZ (80MHz)	5200MHz																		18	17
	5300MHz																		18	18
	5500MHz																		20	20
	5800MHz																		Ch106:19	Ch106:18
	5900MHz																		20	20
5GHZ (160MHz)	5200MHz																		16	18
	5500MHz																		16	18
	5900MHz																		17	18
6GHZ (20MHz)	UNII5													12						12
	UNII6													12						12
	UNII7													12						12
	UNII8													12						12
6GHZ (40MHz)	UNII5																			12
	UNII6																			12
	UNII7																			12
	UNII8																			12
6GHZ (80MHz)	UNII5																			12
	UNII6																			12
	UNII7																			12
	UNII8																			12
6GHZ (160MHz)	UNII5																			12
	UNII6																			12
	UNII7																			12
	UNII8																			12

(Upper tolerance: target+1.0dB)

Target Power(DSI =0,1)

() : Power to 6E Standard AP

Ch12, 13 Airplane mode only (SISO - Ch12 : 5, Ch13 : -1)

Mode	Band	SISO(ANT 1)					SISO(ANT 2)					MIMO							
		a	b	g	n	ac	ax (SU)	a	b	g	n	ac	ax (SU)	a	b	g	n	ac	ax(SU)
2.4GHz	2.45GHz							18	17	17	17	17		21	20	20	20	20	20
5GHZ (20MHz)	5200MHz															19	19	19	19
	5300MHz															19	19	19	19
	5500MHz															19	19	19	19
	5800MHz															19	19	19	19
	5900MHz															19	19	19	19
5GHZ (40MHz)	5200MHz															19	19	19	19
	5300MHz															Ch38:19	Ch38:19	Ch38:19	Ch38:18
	5500MHz															19	19	19	19
	5800MHz															Ch62:18	Ch62:18	Ch62:18	Ch62:18
	5900MHz															19	19	19	19
5GHZ (80MHz)	5200MHz																		18
	5300MHz																		18
	5500MHz																Ch106:19	106Ch:18	19
	5800MHz																19	19	19
	5900MHz																19	19	19
5GHZ (160MHz)	5200MHz																		16
	5500MHz																		16
	5900MHz																		17
6GHZ (20MHz)	UNII5												12						12
	UNII6												12						12
	UNII7												12						12
	UNII8												12						12
6GHZ (40MHz)	UNII5																		12
	UNII6																		12
	UNII7																		12
	UNII8																		12
6GHZ (80MHz)	UNII5																		12
	UNII6																		12
	UNII7																		12
	UNII8																		12
6GHZ (160MHz)	UNII5																		12
	UNII6																		12
	UNII7																		12
	UNII8																		12

(Upper tolerance: target+1.0dB)

Target Power(DSI=2,3)

() : Power to 6E Standard AP

Ch12, 13 Airplane mode only (SISO - Ch12 : 5, Ch13 : -1)

Mode	Band	SISO(ANT 1)					SISO(ANT 2)					MIMO							
		a	b	g	n	ac	ax (SU)	a	b	g	n	ac	ax (SU)	a	b	g	n	ac	ax(SU)
2.4GHz	2.45GHz								16	16	16	16	16		19	19	19	19	19
5GHZ (20MHz)	5200MHz													20			20	20	20
	5300MHz													20			20	20	20
	5500MHz													20			20	20	20
	5800MHz													20			20	20	20
	5900MHz													20			20	20	20
5GHZ (40MHz)	5200MHz																20	20	20
	5300MHz																Ch38:19	Ch38:19	Ch38:18
	5500MHz																20	20	20
	5800MHz																Ch62:18	Ch62:18	Ch62:18
	5900MHz																20	20	20
5GHZ (80MHz)	5200MHz																20	20	20
	5300MHz																Ch102:19	Ch102:19	Ch102:18
	5500MHz																20	20	20
	5800MHz																20	20	20
	5900MHz																20	20	20
5GHZ (160MHz)	5200MHz																	18	17
	5300MHz																	18	18
	5500MHz																	20	20
	5800MHz																Ch106:19	Ch106:19	Ch106:18
	5900MHz																20	20	20
6GHZ (20MHz)	UNII5													12					12
	UNII6													12					12
	UNII7													12					12
	UNII8													12					12
6GHZ (40MHz)	UNII5																		12
	UNII6																		12
	UNII7																		12
	UNII8																		12
6GHZ (80MHz)	UNII5																		12
	UNII6																		12
	UNII7																		12
	UNII8																		12
6GHZ (160MHz)	UNII5																		12
	UNII6																		12
	UNII7																		12
	UNII8																		12

(Upper tolerance: target+1.0dB)

802.11ax RU Tx power Tables

Ch12, 13 Airplane mode only (SISO - Ch12 : 5, Ch13 : -1)

Mode	Band	SISO (ANT2)						MIMO					
		26T	52T	106T	242T	484T	996T	26T	52T	106T	242T	484T	996T
2.4GHz	2.45GHz	12	13	15	17 Ch1,11:15			15	16	18	20 Ch:1,11:18		
5GHz (20MHz)	5200MHz							12	15	17	20		
	5300MHz							12	15	17	20		
	5500MHz							12	15	17	20		
	5800MHz							12	15	17	20		
5GHz (40MHz)	5200MHz							12	15	17	20	20	
	5300MHz							12	15	17	20	20	
	5500MHz							12	15	17	20	20	
	5800MHz							12	15	17	20	20	
5GHz (80MHz)	5200MHz							12	15	17	20	20	20
	5300MHz							12	15	17	20	20	20
	5500MHz							12	15	17	20	20	20
	5800MHz							12	15	17	20	20	20
5GHz 160MHz	5200MHz							12	15	17	20	20	20
	5300MHz							12	15	17	20	20	20
	5500MHz							12	15	17	20	20	20
	5800MHz							12	15	17	20	20	20
6GHz 20MHz	UNII5							2	5	8	12		
	UNII6							2	5	8	12		
	UNII7							2	5	8	12		
	UNII8							2	5	8	12		
6GHz 40MHz	UNII5							2	5	8	12	12	
	UNII6							2	5	8	12	12	
	UNII7							2	5	8	12	12	
	UNII8							2	5	8	12	12	
6GHz 80MHz	UNII5							2	5	8	12	12	12
	UNII6							2	5	8	12	12	12
	UNII7							2	5	8	12	12	12
	UNII8							2	5	8	12	12	12
6GHz 160MHz	UNII5							2	5	8	12	12	12
	UNII6							2	5	8	12	12	12
	UNII7							2	5	8	12	12	12
	UNII8							2	5	8	12	12	12

(Upper tolerance: target+1.0 dB)

11ax RU Tx power Tables (DSI=2,3)

Mode	Band	SISO (ANT2)						MIMO					
		26T	52T	106T	242T	484T	996T	26T	52T	106T	242T	484T	996T
2.4GHz	2.45GHz	12	13	15	16 Ch1:15 Ch11:15			15	16	18	19 Ch1:18 Ch11:18		

(Upper tolerance: target+1.0 dB)

4.4.3 Maximum Bluetooth Power

Bluetooth (1Mbps) (in dBm)	
Bluetooth Ant1	Bluetooth Ant2
17	15

(Upper tolerance: target+1.0 dB)

Bluetooth (EDR) (in dBm)

Bluetooth Ant1	Bluetooth Ant2
14	12

(Upper tolerance: target+1.0 dB)

Bluetooth LE 1/2Mbps (in dBm)	
Ant1	Ant2
17	15

(Upper tolerance: target+1.0 dB)

Bluetooth LE 125/500 kbps (in dBm)	
Ant1	Ant2
8	5

(Upper tolerance: target+1.0 dB)

4.5 LTE 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 12	699.7 MHz ~ 715.3 MHz
	LTE Band 13	779.5 MHz ~ 784.5 MHz
	LTE Band 17	706.5 MHz ~ 713.5 MHz
	LTE Band 25(PCS)	1 850.7 MHz ~ 1 914.3 MHz
	LTE Band 26 (Cell)	814.7 MHz ~ 848.3 MHz
	LTE TDD Band 41	2 498.5 MHz ~ 2 687.5 MHz
	LTE Band 66 (AWS)	1 710.7 MHz ~ 1 779.3 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 12	1.4 MHz, 3 MHz, 5 MHz, 10 MHz
	LTE Band 13	5 MHz, 10 MHz
	LTE Band 17	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 TDD Band 41	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

Ch. No. & Freq.(MHz)	Low	Mid	High	
LTE Band 2 (PCS)	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 (AWS)	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		1 732.5 (20175)	
LTE Band 5 (Cell)	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		836.5 (20525)	
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		707.5 (23095)	
LTE Band 13	5 MHz	779.5 (23205)	782 (23230)	784.5 (23255)
	10 MHz		782 (23230)	
LTE Band 17	5 MHz		710.0(23790)	
	10 MHz		710.0(23790)	

Ch. No.& Freq.(MHz)	Low / Low-Mid		Mid	Mid-High / High		
LTE Band 25 (PCS)	1.4 MHz	1 850.7 (26047)		1 882.5 (26365)		
	3 MHz	1 851.5 (26055)		1 882.5 (26365)		
	5 MHz	1 852.5 (26065)		1 882.5 (26365)		
	10 MHz	1 855 (26090)		1 882.5 (26365)		
	15 MHz	1 857.5 (26115)		1 882.5 (26365)		
LTE Band 26 (Cell)	20 MHz	1 860 (26140)		1 882.5 (26365)		
	1.4 MHz	814.7 (26697)		831.5 (26865)		
	3 MHz	815.5 (26705)		831.5 (26865)		
	5 MHz	816.5 (26715)		831.5 (26865)		
	10 MHz	819.0 (26740)		831.5 (26865)		
LTE Band 66 (AWS)	15 MHz			831.5 (26865)		
	1.4 MHz	1 710.7 (131979)		1 745 (132322)		
	3 MHz	1 711.5 (131987)		1 745 (132322)		
	5 MHz	1 712.5 (131997)		1 745 (132322)		
	10 MHz	1 715.0 (132022)		1 745 (132322)		
	15 MHz	1 717.5 (132047)		1 745 (132322)		
LTE TDD Band 41	20 MHz	1 720.0 (132072)		1 770.0 (132572)		
	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)	
UE Category	LTE Rel. 15, DL: Category 20, UL: Category 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					
Uplink Inter-band Carrier Aggregation(2CC)	2A-4A, 4A-5A, 4A-12A, 5A-66A, 12A-66A					
LTE MPR Permanently implemented per 3GPP TS 36.101 section 6.2.3	Yes					
A-MPR disabled for SAR Testing.	Yes					
LTE Carrier Aggregation	This device supports Inter-Band & Intra-Band DL-link Carrier aggregations. Detailed information of Down-Link CA are included in the Appendix.H and Technical Description document.					
LTE Release information	This device does not support full CA features on 3GPP Release 15. It supports carrieraggregation, downlink MIMO. All other uplink communications are identical to the release 8 specifications. The following LTE Release 15 Features are not supported: Relay, Hetnet, Enhanced eICI, MDH, cross-carrier Scheduling, Enhanced SC-FDMA.					

4.6 5G NR SUB 6 Information

Item.		Description
Frequency Range	NR Band n2	1 852.5 MHz ~ 1 907.5 MHz
	NR Band n5 (Cell)	826.5 MHz ~ 846.5 MHz
	NR Band n25	1 852.5 MHz ~ 1 912.5 MHz
	NR Band n41	2 506.02 MHz ~ 2 679.99 MHz
	NR Band n66 (AWS)	1 712.5 MHz ~ 1 777.5 MHz
	NR Band n77	3 705 MHz ~ 3 975 MHz
	NR Band n77DoD	3 445.01 MHz ~ 3 544.98 MHz
Channel Bandwidths	NR Band n2	5 MHz, 10 MHz, 15 MHz, 20 MHz
	NR Band n5 (Cell)	5 MHz, 10 MHz, 15 MHz, 20 MHz
	NR Band n25	5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 40 MHz
	NR Band n41	10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90 MHz, 100 MHz
	NR Band n66 (AWS)	5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 40 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 n77DoD	10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90 MHz, 100 MHz

Ch. No.& Freq.(MHz)	Low / Low-Mid		Mid	Mid-High / High		
NR Band n2	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 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 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)		
	25 MHz		1 745 (349000)			
	30 MHz		1 745(349000)			
	40 MHz		1 745(349000)			
NR Band n41	10 MHz	2 501.01 (500202)	2 547.00 (509400)	2 592.99 (518598)	2 639.01 (527802)	2 685.00 (537000)
	15 MHz	2 503.50 (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	2 511.00 (502200)	2 552.01 (510402)	2 592.99 (518598)	2 634.00 (526800)	2 674.98 (534996)
	40 MHz	2 516.01 (503202)	2 567.34 (513468)		2 618.67 (523734)	2 670.00 (534000)
	50 MHz	2 521.02 (504204)		2 592.99 (518598)		2 664.99 (532998)
	60 MHz	2 526.00 (505200)		2 592.99 (518598)		2 659.98 (531996)
	70 MHz	2 531.04 (506208)				2 654.97 (530994)
	80 MHz	2 536.02 (507204)				2 649.99 (529998)
	90 MHz	2 541.00 (508200)				2 644.98 (528996)
100 MHz			2 592.99 (518598)			

Ch. No.&Freq.(MHz)	Low	Low-Mid	Mid	Mid-High	High		
NR Band n77	10 MHz	3 705(647000)	3 759(650600)	3 813(654200)	3 867(657800)	3 921(661400)	3 975(665000)
	15 MHz	3 707.52(647168)	3 760.5(650700)	3 813.49(654232)	3 866.5(657766)	3 919.5(661300)	3 972.48(664832)
	20 MHz	3 710.01(647334)	3 762(650800)	3 813.99(654266)	3 866.01(657734)	3 918(661200)	3 969.99(664666)
	30 MHz	3 715.02(647668)	3 765(651000)	3 815.01(654334)	3 864.99(657666)	3 915(661000)	3 964.98(664232)
	40 MHz	3 720(648000)	3 768(651200)	3 816(654400)	3 864(657600)	3 912(660800)	3 960(664000)
	50 MHz	3 725.01(648334)	3 782.49(652166)	3 840(656000)		3 897.51(659834)	3 954.99(663666)
	60 MHz	3 730.02(648668)	3 803.34(653556)			3 876.66(658444)	3 949.98(663332)
	70 MHz	3 735(649000)	3 804.99(654336)			3 875.01(658334)	3 945(663000)
	80 MHz	3 740.01(649334)		3 840(656000)		3 939.99(662666)	
	90 MHz	3 745.02(649668)		3 840(656000)		3 934.98(662332)	
100 MHz	3 750(650000)				3 930(662000)		
NR Band n77 DoD	10 MHz	3 445.01(630334)		3 500.01(633334)		3 544.98(636332)	
	15 MHz	3 457.5(630500)		3 500.01(633334)		3 542.49(636166)	
	20 MHz	3 460.02(630668)		3 500.01(633334)		3 540(636000)	
	30 MHz	3 465(631000)		3 500.01(633334)		3 534.99(635666)	
	40 MHz	3 470.01(631334)				3 529.98(635332)	
	50 MHz	3 475.02(631668)				3 525(635000)	
	60 MHz			3 500.01(633334)			
	70 MHz			3 500.01(633334)			
	80 MHz			3 500.01(633334)			
	90 MHz			3 500.01(633334)			
100 MHz			3 500.01(633334)				

Item.	Description
NR Band n2/n5/n25/n66	15 kHz
NR Band n41/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
LTE Anchor Bands for NR Band n2	LTE Band 5/12/13
LTE Anchor Bands for NR Band n25	LTE Band 12/13
LTE Anchor Bands for NR Band n5(Cell)	LTE Band 2/66
LTE Anchor Bands for NR Band n41	LTE Band 4/12/66
LTE Anchor Bands for NR Band n66(AWS)	LTE Band 2/5/12/13
LTE Anchor Bands for NR Band n77,n77 DoD	LTE Band 2/5/12/13/25/66

4.7 DUT Antenna Locations

The overall dimensions of this device are > 9 X 5 cm. A diagram showing device antenna can be found in SAR_setup_photos. Since the diagonal dimension of this device is > 160 mm and < 200 mm, it is considered a “phablet” when it is in closed configuration and a ”UMPC mini-tablet” when it is in open configuration.

This model allows users to exchange data or media files with other Bluetooth enabled devices using Bluetooth, which means they can connect to other Bluetooth enabled devices via Bluetooth tethering. Therefore, SAR test was performed for additional simultaneous transmissions. Head and Bluetooth Tethering SAR were evaluated for BT BR tethering applications.

Device Edges for Fold Closed Configuration SAR Testing

Mode	Ant.	Rear	Front	Left	Right	Bottom	Top
GSM/GPRS/EDGE 850	A	Yes	Yes	No	Yes	Yes	No
GSM/GPRS/EDGE 1900	B	Yes	Yes	Yes	Yes	Yes	No
UMTS Band 5	A	Yes	Yes	No	Yes	Yes	No
UMTS Band 4	B	Yes	Yes	Yes	Yes	Yes	No
UMTS Band 2	B	Yes	Yes	Yes	Yes	Yes	No
LTE Band 2 (PCS)	B	Yes	Yes	Yes	Yes	Yes	No
LTE Band 2 (PCS)	F	Yes	Yes	Yes	No	No	Yes
LTE Band 4 (AWS)	B	Yes	Yes	Yes	Yes	Yes	No
LTE Band 4 (AWS)	F	Yes	Yes	Yes	No	No	Yes
LTE Band 5 (Cell)	A	Yes	Yes	No	Yes	Yes	No
LTE Band 12	A	Yes	Yes	No	Yes	Yes	No
LTE Band 12	A+B	Yes	Yes	Yes	Yes	Yes	No
LTE Band 13	A	Yes	Yes	No	Yes	Yes	No
LTE Band 13	A+B	Yes	Yes	Yes	Yes	Yes	No
LTE Band 17	A	Yes	Yes	No	Yes	Yes	No
LTE Band 17	A+B	Yes	Yes	Yes	Yes	Yes	No
LTE Band 25	B	Yes	Yes	Yes	Yes	Yes	No
LTE Band 25	F	Yes	Yes	Yes	No	No	Yes
LTE Band 26	A	Yes	Yes	No	Yes	Yes	No
LTE TDD Band 41	B	Yes	Yes	Yes	Yes	Yes	No
LTE TDD Band 41	F	Yes	Yes	Yes	No	No	Yes
LTE Band 66 (AWS)	B	Yes	Yes	Yes	Yes	Yes	No
LTE Band 66 (AWS)	F	Yes	Yes	Yes	No	No	Yes
NR Band n2	B	Yes	Yes	Yes	Yes	Yes	No
NR Band n2	F	Yes	Yes	Yes	No	No	Yes
NR Band n5	A	Yes	Yes	No	Yes	Yes	No
NR Band n25	B	Yes	Yes	Yes	Yes	Yes	No
NR Band n25	F	Yes	Yes	Yes	No	No	Yes
NR Band n41	B	Yes	Yes	Yes	Yes	Yes	No
NR Band n41	F	Yes	Yes	Yes	No	No	Yes
NR Band n41 SRS3	C	Yes	Yes	Yes	No	Yes	No
NR Band n41 SRS4	H	Yes	Yes	No	Yes	No	No
NR Band n66	B	Yes	Yes	Yes	Yes	Yes	No
NR Band n66	F	Yes	Yes	Yes	No	No	Yes

Mode	Ant.	Rear	Front	Left	Right	Bottom	Top
NR Band n77	F	Yes	Yes	Yes	No	No	Yes
NR Band n77 SRS2	D	Yes	Yes	Yes	No	Yes	No
NR Band n77 SRS3	G	Yes	Yes	Yes	Yes	No	Yes
NR Band n77 SRS4	A	Yes	Yes	No	Yes	Yes	No
NR Band n77 DoD	F	Yes	Yes	Yes	No	No	Yes
NR Band n77 DoD SRS2	D	Yes	Yes	Yes	No	Yes	No
NR Band n77 DoD SRS3	G	Yes	Yes	Yes	Yes	No	Yes
NR Band n77 DoD SRS4	A	Yes	Yes	No	Yes	Yes	No
2.4 GHz WLAN Ant2	H	Yes	Yes	No	Yes	No	No
2.4 GHz WLAN MIMO	H+G	Yes	Yes	Yes	No	No	Yes
Bluetooth Ant1	H	Yes	Yes	No	Yes	No	No
Bluetooth Ant2	G	Yes	Yes	Yes	Yes	No	Yes
5 GHz WLAN MIMO	H+J	Yes	Yes	Yes	Yes	No	Yes
6 GHz WLAN MIMO	H+J	Yes	Yes	Yes	Yes	No	Yes

Device Edges for Fold Open Configuration SAR Testing

Mode	Ant.	Rear	Front	Left	Right	Bottom	Top
GSM/GPRS/EDGE 850	A+B	Yes	Yes	No	Yes	Yes	No
GSM/GPRS/EDGE 1900	B	Yes	Yes	No	Yes	Yes	No
UMTS Band 5	A+B	Yes	Yes	No	Yes	Yes	No
UMTS Band 4	B	Yes	Yes	No	Yes	Yes	No
UMTS Band 2	B	Yes	Yes	No	Yes	Yes	No
LTE Band 2 (PCS)	B	Yes	Yes	No	Yes	Yes	No
LTE Band 2 (PCS)	F	Yes	Yes	No	No	No	Yes
LTE Band 4 (AWS)	B	Yes	Yes	No	Yes	Yes	No
LTE Band 4 (AWS)	F	Yes	Yes	No	No	No	Yes
LTE Band 5 (Cell)	A+B	Yes	Yes	No	Yes	Yes	No
LTE Band 12	A+B	Yes	Yes	No	Yes	Yes	No
LTE Band 13	A+B	Yes	Yes	No	Yes	Yes	No
LTE Band 17	A+B	Yes	Yes	No	Yes	Yes	No
LTE Band 25	B	Yes	Yes	No	Yes	Yes	No
LTE Band 25	F	Yes	Yes	No	No	No	Yes
LTE Band 26	A+B	Yes	Yes	No	Yes	Yes	No
LTE TDD Band 41	B	Yes	Yes	No	Yes	Yes	No
LTE TDD Band 41	F	Yes	Yes	No	No	No	Yes
LTE Band 66 (AWS)	B	Yes	Yes	No	Yes	Yes	No
LTE Band 66 (AWS)	F	Yes	Yes	No	No	No	Yes

Mode	Ant.	Rear	Front	Left	Right	Bottom	Top
NR Band n2	B	Yes	Yes	No	Yes	Yes	No
NR Band n2	F	Yes	Yes	No	No	No	Yes
NR Band n5	A+B	Yes	Yes	No	Yes	Yes	No
NR Band n25	B	Yes	Yes	No	Yes	Yes	No
NR Band n25	F	Yes	Yes	No	No	No	Yes
NR Band n41	B	Yes	Yes	No	Yes	Yes	No
NR Band n41	F	Yes	Yes	No	No	No	Yes
NR Band n41 SRS3	C	Yes	Yes	No	No	Yes	No
NR Band n41 SRS4	H	Yes	Yes	No	Yes	No	No
NR Band n66	B	Yes	Yes	No	Yes	Yes	No
NR Band n66	F	Yes	Yes	No	No	No	Yes
NR Band n77	F	Yes	Yes	No	No	No	Yes
NR Band n77 SRS2	D	Yes	Yes	No	No	Yes	No
NR Band n77 SRS3	G	Yes	Yes	No	Yes	No	Yes
NR Band n77 SRS4	A	Yes	Yes	No	Yes	Yes	No
NR Band n77 DoD	F	Yes	Yes	No	No	No	Yes
NR Band n77 DoD SRS2	D	Yes	Yes	No	No	Yes	No
NR Band n77 DoD SRS3	G	Yes	Yes	No	Yes	No	Yes
NR Band n77 DoD SRS4	A	Yes	Yes	No	Yes	Yes	No
2.4 GHz WLAN Ant2	H	Yes	Yes	No	Yes	No	No
2.4 GHz WLAN MIMO	H+G	Yes	Yes	No	No	No	Yes
Bluetooth Ant1	H	Yes	Yes	No	Yes	No	No
Bluetooth Ant2	G	Yes	Yes	No	Yes	No	Yes
5 GHz WLAN MIMO	H+J	Yes	Yes	No	Yes	No	Yes
6 GHz WLAN MIMO	H+J	Yes	Yes	No	Yes	No	Yes

Particular EUT edges were not required to be evaluated for Bluetooth Tethering and Hotspot SAR if the edges were > 25 mm from the transmitting antenna according to FCC KDB 941225 D06v02r01 on page 2. The distance between the transmit antennas and the edges of the device are included in the filing.
 - Note: All test configurations are based on front view position.

4.8 Near Field Communications (NFC) Antenna

This EUT has NFC operations. The NFC antenna is integrated into the device for this model. Therefore, all SAR tests were performed with the device which already incorporates the NFC antenna. A diagram showing the location of the NFC antenna can be found in SAR _ Setup _ photos.

4.9 SAR Summation Scenario

According to FCC KDB 447498 D04v01, 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 D04v01.

Capable Transmit Configuration	Head	Body-Worn Accessory	Wireless Router	Phablet
GSM voice + 2.4GHz Bluetooth Ant.1	Yes^	Yes	N/A	Yes
GSM voice + 2.4GHz Bluetooth Ant.2	Yes^	Yes	N/A	Yes
GSM voice + 2.4GHz WI-FI Ant.2	Yes	Yes	N/A	Yes
GSM voice + 2.4GHz WI-FI MIMO	Yes	Yes	N/A	Yes
GSM voice + 5GHz WI-FI MIMO	Yes	Yes	N/A	Yes
GSM voice + 6GHz WI-FI MIMO	Yes	Yes	N/A	Yes
GSM voice + 2.4GHz Bluetooth Ant.1+ 2.4GHz WI-FI Ant.2	Yes^	Yes	N/A	Yes
GSM voice + 2.4GHz Bluetooth Ant.1 + 5GHz WI-FI MIMO	Yes^	Yes	N/A	Yes
GSM voice + 2.4GHz Bluetooth Ant.2 + 5GHz WI-FI MIMO	Yes^	Yes	N/A	Yes
GSM voice + 2.4GHz WI-FI MIMO + 5GHz WI-FI MIMO	Yes	Yes	N/A	Yes
GSM voice + 2.4GHz Bluetooth Ant.1 + 6GHz WI-FI MIMO	Yes^	Yes	N/A	Yes
GSM voice + 2.4GHz Bluetooth Ant.2 + 6GHz WI-FI MIMO	Yes^	Yes	N/A	Yes
GSM voice + 2.4GHz WI-FI MIMO + 6GHz WI-FI MIMO	Yes	Yes	N/A	Yes
GSM voice + 2.4GHz Bluetooth Ant.1+ 2.4GHz WI-FI Ant 2 + 5GHz WI-FI MIMO	Yes^	Yes	N/A	Yes
GSM voice + 2.4GHz Bluetooth Ant.1+ 2.4GHz WI-FI Ant 2 + 6GHz WI-FI MIMO	Yes^	Yes	N/A	Yes
GPRS/EDGE Data + 2.4GHz Bluetooth Ant.1	Yes^	Yes	Yes^	Yes
GPRS/EDGE Data + 2.4GHz Bluetooth Ant.2	Yes^	Yes	Yes^	Yes
GPRS/EDGE Data + 2.4GHz WI-FI Ant.2	Yes	Yes	Yes	Yes
GPRS/EDGE Data + 2.4GHz WI-FI MIMO	Yes	Yes	Yes	Yes
GPRS/EDGE Data + 5GHz WI-FI MIMO	Yes	Yes	Yes	Yes
GPRS/EDGE Data + 6GHz WI-FI MIMO	Yes	Yes	N/A	Yes
GPRS/EDGE Data + 2.4GHz Bluetooth Ant.1+ 2.4GHz WI-FI Ant.2	Yes^	Yes	Yes^	Yes
GPRS/EDGE Data + 2.4GHz Bluetooth Ant.1 + 5GHz WI-FI MIMO	Yes^	Yes	Yes^	Yes
GPRS/EDGE Data + 2.4GHz Bluetooth Ant.2 + 5GHz WI-FI MIMO	Yes^	Yes	Yes^	Yes
GPRS/EDGE Data + 2.4GHz WI-FI MIMO + 5GHz WI-FI MIMO	Yes	Yes	Yes	Yes
GPRS/EDGE Data + 2.4GHz Bluetooth Ant.1 + 6GHz WI-FI MIMO	Yes^	Yes	N/A	Yes
GPRS/EDGE Data + 2.4GHz Bluetooth Ant.2 + 6GHz WI-FI MIMO	Yes^	Yes	N/A	Yes
GPRS/EDGE Data + 2.4GHz WI-FI MIMO + 6GHz WI-FI MIMO	Yes	Yes	N/A	Yes
GPRS/EDGE Data + 2.4GHz Bluetooth Ant.1+ 2.4GHz WI-FI Ant 2 + 5GHz WI-FI MIMO	Yes^	Yes	Yes^	Yes
GPRS/EDGE Data + 2.4GHz Bluetooth Ant.1+ 2.4GHz WI-FI Ant 2 + 6GHz WI-FI MIMO	Yes^	Yes	N/A	Yes
UMTS + 2.4GHz Bluetooth Ant.1	Yes^	Yes	Yes^	Yes
UMTS + 2.4GHz Bluetooth Ant.2	Yes^	Yes	Yes^	Yes
UMTS + 2.4GHz WI-FI Ant.2	Yes	Yes	Yes	Yes
UMTS + 2.4GHz WI-FI MIMO	Yes	Yes	Yes	Yes
UMTS + 5GHz WI-FI MIMO	Yes	Yes	Yes	Yes
UMTS + 6GHz WI-FI MIMO	Yes	Yes	N/A	Yes
UMTS + 2.4GHz Bluetooth Ant.1+ 2.4GHz WI-FI Ant.2	Yes^	Yes	Yes^	Yes
UMTS + 2.4GHz Bluetooth Ant.1 + 5GHz WI-FI MIMO	Yes^	Yes	Yes^	Yes
UMTS + 2.4GHz Bluetooth Ant.2 + 5GHz WI-FI MIMO	Yes^	Yes	Yes^	Yes
UMTS + 2.4GHz WI-FI MIMO + 5GHz WI-FI MIMO	Yes	Yes	Yes	Yes
UMTS + 2.4GHz Bluetooth Ant.1 + 6GHz WI-FI MIMO	Yes^	Yes	N/A	Yes
UMTS + 2.4GHz Bluetooth Ant.2 + 6GHz WI-FI MIMO	Yes^	Yes	N/A	Yes
UMTS + 2.4GHz WI-FI MIMO + 6GHz WI-FI MIMO	Yes	Yes	N/A	Yes
UMTS + 2.4GHz Bluetooth Ant.1+ 2.4GHz WI-FI Ant 2 + 5GHz WI-FI MIMO	Yes^	Yes	Yes^	Yes
UMTS + 2.4GHz Bluetooth Ant.1+ 2.4GHz WI-FI Ant 2 + 6GHz WI-FI MIMO	Yes^	Yes	N/A	Yes

Capable Transmit Configuration	Head	Body-Worn Accessory	Wireless Router	Phablet
LTE + 2.4GHz Bluetooth Ant.1	Yes^	Yes	Yes^	Yes
LTE + 2.4GHz Bluetooth Ant.2	Yes^	Yes	Yes^	Yes
LTE + 2.4GHz WI-FI Ant.2	Yes	Yes	Yes	Yes
LTE + 2.4GHz WI-FI MIMO	Yes	Yes	Yes	Yes
LTE + 5GHz WI-FI MIMO	Yes	Yes	Yes	Yes
LTE + 6GHz WI-FI MIMO	Yes	Yes	N/A	Yes
LTE + 2.4GHz Bluetooth Ant.1+ 2.4GHz WI-FI Ant.2	Yes^	Yes	Yes^	Yes
LTE + 2.4GHz Bluetooth Ant.1 + 5GHz WI-FI MIMO	Yes^	Yes	Yes^	Yes
LTE + 2.4GHz Bluetooth Ant.2 + 5GHz WI-FI MIMO	Yes^	Yes	Yes^	Yes
LTE + 2.4GHz WI-FI MIMO + 5GHz WI-FI MIMO	Yes	Yes	Yes	Yes
LTE + 2.4GHz Bluetooth Ant.1 + 6GHz WI-FI MIMO	Yes^	Yes	N/A	Yes
LTE + 2.4GHz Bluetooth Ant.2 + 6GHz WI-FI MIMO	Yes^	Yes	N/A	Yes
LTE + 2.4GHz WI-FI MIMO + 6GHz WI-FI MIMO	Yes	Yes	N/A	Yes
LTE + 2.4GHz Bluetooth Ant.1+ 2.4GHz WI-FI Ant 2 + 5GHz WI-FI MIMO	Yes^	Yes	Yes^	Yes
LTE + 2.4GHz Bluetooth Ant.1+ 2.4GHz WI-FI Ant 2 + 6GHz WI-FI MIMO	Yes^	Yes	N/A	Yes
5G NR + 2.4GHz Bluetooth Ant.1	Yes^	Yes	Yes^	Yes
5G NR + 2.4GHz Bluetooth Ant.2	Yes^	Yes	Yes^	Yes
5G NR + 2.4GHz WI-FI Ant.2	Yes	Yes	Yes	Yes
5G NR + 2.4GHz WI-FI MIMO	Yes	Yes	Yes	Yes
5G NR + 5GHz WI-FI MIMO	Yes	Yes	Yes	Yes
5G NR + 6GHz WI-FI MIMO	Yes	Yes	N/A	Yes
5G NR + 2.4GHz Bluetooth Ant.1+ 2.4GHz WI-FI Ant.2	Yes^	Yes	Yes^	Yes
5G NR + 2.4GHz Bluetooth Ant.1 + 5GHz WI-FI MIMO	Yes^	Yes	Yes^	Yes
5G NR + 2.4GHz Bluetooth Ant.2 + 5GHz WI-FI MIMO	Yes^	Yes	Yes^	Yes
5G NR + 2.4GHz WI-FI MIMO + 5GHz WI-FI MIMO	Yes	Yes	Yes	Yes
5G NR + 2.4GHz Bluetooth Ant.1 + 6GHz WI-FI MIMO	Yes^	Yes	N/A	Yes
5G NR + 2.4GHz Bluetooth Ant.2 + 6GHz WI-FI MIMO	Yes^	Yes	N/A	Yes
5G NR + 2.4GHz WI-FI MIMO + 6GHz WI-FI MIMO	Yes	Yes	N/A	Yes
5G NR + 2.4GHz Bluetooth Ant.1+ 2.4GHz WI-FI Ant 2 + 5GHz WI-FI MIMO	Yes^	Yes	Yes^	Yes
5G NR + 2.4GHz Bluetooth Ant.1+ 2.4GHz WI-FI Ant 2 + 6GHz WI-FI MIMO	Yes^	Yes	N/A	Yes

Note:

- 2.4GHz WLAN and 2.4GHz Bluetooth cannot transmit simultaneously
- UMTS +WLAN scenario also represents the UMTS Voice/DATA + WLAN hotspot scenario.
- VoIP is supported in GPRS/EDGE
- The highest reported SAR for each exposure condition is used for SAR summation purpose.
- Wi-Fi Hotspot is supported for 2.4 GHz/ UNII-3 of 5 GHz WLAN.
- This device supports Bluetooth tethering. ^ Bluetooth Tethering is considered.
- * Pre-installed VOIP applications are considered
- Per the manufacturer, WiFi Direct is not expected to be used in conjunction with a held to ear or Body worn accessory voice call. Therefore, there are no simultaneous transmission scenarios involving WiFi Direct beyond that listed in the above table.
- 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.
- This device supports VOLTE.
- This device supports VOWIFI
- LTE + 5G NR FR1 Scenarios are supported NSA and SA Connectivity.

4.10 SAR Test Considerations

4.10.1 WiFi

Since wireless router operations are not allowed by the chipset firmware using U-NII-1, U-NII-2A, U-NII-2C and U-NII-4 WiFi, WiFi Hotspot SAR test and combinations are considered only 2.4 GHz and U-NII-3 for SAR with respected to wireless router configurations according to FCC KDB 941225 D06v02r01.

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 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 GHz
- g) MU-MIMO UL Operations are not supported

Per FCC KDB Publication 648474 D04v01r03, this device is considered a "phablet" since the diagonal dimension is greater than 160mm and less than 200mm. Phablet SAR tests are required when wireless router mode does not apply or if wireless router 1g SAR > 1.2 W/kg. Because wireless router operations are not supported for U-NII-1, U-NII-2A & U-NII-2C WLAN, phablet SAR tests were performed. Phablet SAR was not evaluated for 2.4 GHz WIFI, 2.4 GHz Bluetooth, and U-NII-3 WLAN operations since wireless router 1g SAR was < 1.2 W/kg.

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.

4.10.2 Licensed Transmitter(s)

GSM/GPRS/EDGE DTM is not supported for US Bands. Therefore, the GSM Voice modes in this report do not transmit simultaneously with GPRS/EDGE Data.

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.

Per FCC KDB 648474 D04v01r03, this device is considered a "Phablet" since the diagonal dimension is greater than 160 mm and less than 200 mm. Therefore, extremity SAR tests are required when wireless router mode does not apply or if wireless router 1g SAR > 1.2 W/kg. When hotspot mode applies, 10g SAR required only for the surfaces and edges with hotspot mode scaled to the maximum output power (including tolerance) is 1g SAR > 1.2 W/kg.

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 or 256QAM since the highest maximum output power for 64QAM and 256QAM is ≤ 0.5dB higher than the same configuration in QPSK and the reported SAR for QPSK configuration is ≤ 1.45 W/Kg, per section 5.2.4 for FCC KDB941225 D05v02r05.

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

LTE capabilities with overlapping transmission frequency ranges were applied to LTE Band 17(706.5 MHz~ 713.5 MHz) is covered by LTE Band 12(699.7 MHz~ 715.3 MHz), LTE Band 4 (1 712.4 MHz~ 1 752.6 MHz) is covered by LTE Band 66(1 712.5 MHz~ 1 777.5 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) of this model each both LTE bands have the same target powers.

NR capabilities with overlapping transmission frequency ranges were applied to n2(1 852.5 MHz ~ 1 907.5 MHz) is covered by n25(1 852.5 MHz ~ 1 912.5 MHz)of this model each both NR bands have the same target powers.

This device support both Power class 2(PC2) and Power Class 3 (PC3) for LTE Band 41. Per May 2017 TCB workshop Notes, SAR test were performed with Power Class 3(given the specific UL/DL Limitations for Power Class 2). Additionally, SAR testing for the power class condition was evaluated for the highest configuration in Power class 3 for each test configuration to confirm he results were scalable linearly.

This product supported Inter-band LTE Carrier Aggregation for 2A-4A / 4A-5A /4A-12A / 5A-66A / 12A-66A with two component carriers in the uplink.

This device supports NSA(Non-standalone) and SA(Stand alone) connectivity for 5G NR FR1 Bands,More detailed specifications of the Bands are contained in the Technical description document.

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.

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

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

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.

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

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 DASY5 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.

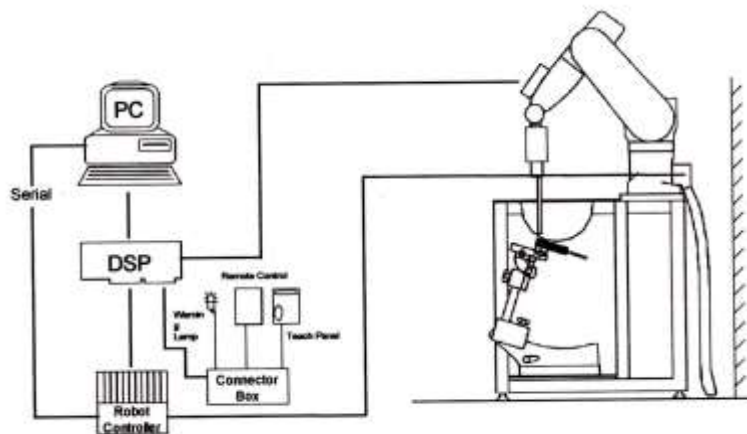


Figure 2. HCT SAR Lab. Test Measurement Set-up

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 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.

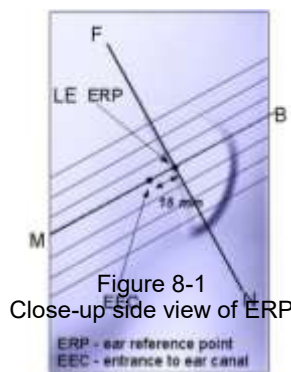
Area scan and zoom scan resolution setting follow KDB 865664 D01v01r04 quoted below.

		≤ 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: $\Delta x_{Area}, \Delta y_{Area}$		≤ 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: $\Delta x_{zoom}, \Delta y_{zoom}$		≤ 2 GHz: ≤8mm 2-3 GHz: ≤5mm*	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 EAR REFERENCE POINT

Figure 8-2 shows the front, back and side views of the SAM phantom. The center-of-mouth reference point is labeled “M”, the left ear reference point (ERP) is marked “LE”, and the right ERP is marked “RE.” Each ERP is on the B-M (back-mouth) line located 15 mm behind the entrance-to-ear-canal (EEC) point, as shown in Figure 6-1. The Reference Plane is defined as passing through the two ear reference point and point M. The line N-F (Neck-Front), also called the Reference Pivoting Line, is not perpendicular to the reference plane (See Figure 5-1), Line B-M is perpendicular to the N-F line. Both N-F and B-M lines are marked on the external phantom shell to facilitate handset positioning.



8.2 HANDSET REFERENCE POINTS

Two imaginary lines on the handset were established: the vertical centerline and the horizontal line. The device under test was placed in a normal operating position with the acoustic output located along the “vertical centerline” on the front of the device aligned to the “ear reference point”(see Figure 8-3). The acoustic output was then located at the same level as the center of the ear reference point. The device under test was positioned so that the “vertical centerline” was bisecting the front surface of the handset at its top and bottom edges, positioning the “ear reference point” on the outer surface of the both the left and right head phantoms on the ear reference point.



Figure 8-2
Front, back and side views of SAM Twin Phantom

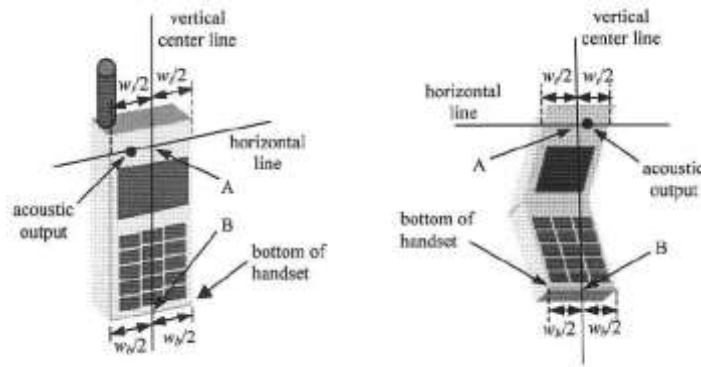


Figure 6-3. Handset vertical and horizontal reference lines

8.3 Device Holder

The device holder is made out of low-loss POM material having the following dielectric parameter; relative permittivity $\epsilon=3$ and loss tangent $\sigma =0.02$.

8.4 Position for cheek

Figure 6.4. shows cheek or touch position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which establish the Reference Plane for handset positioning, are indicated.

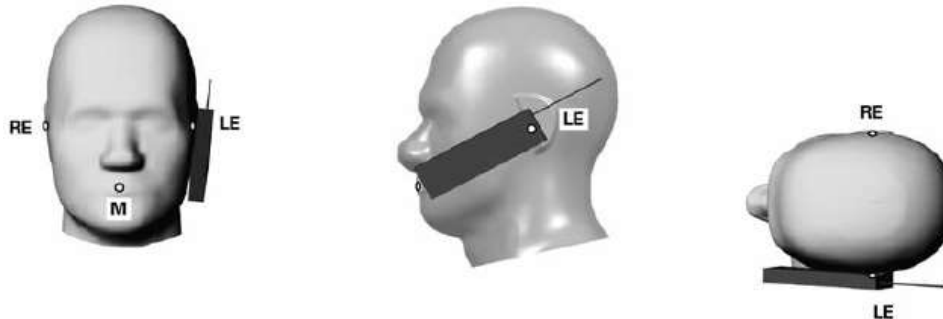


Figure 8.4 Cheek/ Touch position of the wireless device

8.5 Definition of the “tilted” position

Figure 6.5. shows tilted position. Place the device in the cheek position. Then while maintaining the orientation of the device, retract the device parallel to the reference plane far enough away from the phantom to enable a rotation of the device by 15°.



Figure 8.5. Tilt 15° position of the wireless device

8.6 Body-Worn Accessory Configurations

Body-worn operating configurations are tested with the belt-dips and holsters attached to the device and positioned against a flat phantom in a normal use configuration (see Figure 6-6). Per FCC KDB Publication 648474 D04v01r03 Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in Body-worn accessories. The Body-worn accessory procedures in FCC KDB Publication 447498 D04v01 should be used to test for Body-worn accessory SAR compliance, without a headset connected to it. When the reported SAR for a body-worn accessory, measured without a headset connected to the handset, is > 1.2 W/kg, the highest reported SAR configuration for that wireless mode and frequency Band should be repeated for that body-worn accessory with a headset attached to the handset.



Figure 8-6
Sample Body-Worn Diagram

Accessories for Body-worn operation configurations are divided into two categories: those that do not contain metallic components and those that do contain metallic components. When multiple accessories that do not contain metallic components are supplied with the device, the device is tested with only the accessory that dictates the closest spacing to the body. Then multiple accessories that contain metallic components are tested with the device with each accessory. If multiple accessories share an identical metallic component (i.e. the same metallic belt-dip used with different holsters with no other metallic components) only the accessory that dictates the closest spacing to the body is tested.

8.7 Wireless Router Configurations

Some battery-operated handsets have the capability to transmit and receive user data through simultaneous transmission of WIFI simultaneously with a separate licensed transmitter. The FCC has provided guidance in FCC KDB Publication 941225 D06v02r01 where SAR test considerations for handsets (L x W \geq 9cmx5 cm) are based on a composite test separation distance of 10 mm from the front back and edges of the device containing transmitting antennas within 2.5 cm of their edges, determined from general mixed use conditions for this type of devices. Since the hotspot SAR results may overlap with the Body-worn accessory SAR requirements, the more conservative configurations can be considered, thus excluding some Body-worn accessory SAR tests.

When the user enables the personal wireless router functions for the handset actual operations include simultaneous transmission of both the WIFI transmitter and another licensed transmitter. Both transmitters often do not transmit at the same transmitting frequency and thus cannot be evaluated for SAR under actual use conditions due to the limitations of the SAR assessment probes. Therefore, SAR must be evaluated for each frequency transmission and mode separately and spatially summed with the WIFI transmitter according to FCC KDB Publication 447498 D04v01 publication procedures. The Portable Hotspot feature on the handset was NOT activated during SAR assessments, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal at a time.

8.8 Extremity Exposure Configurations

Devices that are designed or intended for use on extremities or mainly operated in extremity only exposure conditions: i.e., hands, wrists, feet and ankles, may require extremity SAR evaluation. When the device also operates in close proximity to the user's body, SAR compliance for the body is also required. The 1-g body and 10-g extremity SAR Exclusion Thresholds found in KDB Publication 447498 D04v01 should be applied to determine SAR test requirements.

For smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear. the phablets procedures outlined in KDB Publication 648474 D04 v01r03 should be applied to evaluate SAR compliance. A device marketed as phablets, regardless of form factors and operating characteristics must be tested as a phablet to determine SAR compliance. In addition to the normally required head and body-worn accessory SAR test procedures required for handsets, the UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna \leq 25 mm from that surface or edge, in direct contact with the phantom, for 10-g SAR. The UMPC mini-tablet 1-g SAR at 5 mm is not required. When hotspot mode applies, 10-g SAR is required only for the surfaces and edges with hotspot mode scaled to the maximum output power (including tolerance) is 1-g SAR > 1.2 W/kg.

8.9 Bluetooth tethering Configurations

Per May 2017 TCBC Workshop Document, When Bluetooth tethering applies, simultaneous transmission SAR needs consideration.

This model allows users to exchange data or media files with other Bluetooth enabled devices using Bluetooth, which means they can connect to other Bluetooth enabled devices via Bluetooth tethering. Therefore, SAR test was performed for additional simultaneous transmissions. Head and Bluetooth tethering SAR were evaluated for BT BR tethering applications.

8.10 UMPC Mini-Tablet Configurations

Small hand-held tablets (and devices of similar form factors that are designed primarily for interactive hand-held use next to or near body of users) require body SAR and extremity SAR evaluation. These types of mini-tablets are normally optimized for mobile web access and multimedia use. UMPC Test procedures are applicable for devices with displays and overall diagonal dimension ≤ 20 cm. Devices are to be set up according to KDB publication 941225 D07v01r02 requirements and are configured maximum output power during SAR assessment for a worst case SAR evaluation.

Per KDB Publication 941225 D07v01r02, UMPC mini-tablet devices must be tested for all surface and edges ≤ 25 mm from a transmitting antenna. A test separation distance of 10 mm may be considered for 1g SAR, with the addition of 10g SAR measurement at 0 mm test separation distance for all measured 1g SAR(at 10mm) configurations to address hand exposure.

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 mad 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 D04v01, 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 3G SAR Test Reduction Procedure

10.2.1 GSM, GPRS AND EDGE

The following procedures may be considered for each frequency Band to determine SAR test reduction for devices operating in GSM/GPRS/EDGE modes to demonstrate RF exposure compliance. GSM voice mode transmits with 1 time-slot. GPRS and EDGE may transmit up to 4 time slots in the 8 time-slot frame according to the multi-slot class implemented in a device.

10.2.2 SAR Test Reduction

In FCC KDB 941225 D01v03r01, certain transmission modes within a frequency Band and wireless mode evaluated for SAR are defined as primary modes. The equivalent modes considered for SAR test reduction are denoted as secondary modes. When the maximum output power including tune-up tolerance specified for production units in a secondary mode is ≤ 0.25 dB higher than the primary mode or when the highest reported SAR of the primary mode, scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode, is ≤ 1.2 W/kg, SAR measurements are not required for the secondary mode. These criteria are referred to as the 3G SAR test reduction procedure. When the 3G SAR test reduction procedure is not satisfied, SAR measurements are additionally required for the secondary mode.

SAR test reduction for GPRS and EDGE modes is determined by the source-based time-averaged output power specified for production units, including tune-up tolerance. The data mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested

10.2.3 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

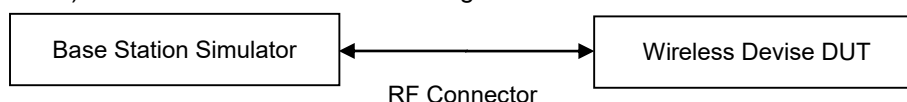
The 3G SAR test reduction procedure is applied to HSPA (HSUPA/HSDPA with RMC) body configurations with 12.2 kbps RMC as the primary mode. Otherwise, Body SAR for HSPA is measured with E-DCH Sub-test 5, using H-Set1 and QPSK for FRC and a 12.2 kbps RMC configured in Test Loop Mode 1 and power control 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(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.

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 (Ts) 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 = $(5120 \times (1/(15000 \times 2048))) \times 2 + 0.006)/0.01 = 63.33 \%$
 Where
 $T_s = 1/(15000 \times 2048)$ seconds

HPUE :
 Calculated Duty Cycle for Uplink-Downlink Configuration 1:
 Calculated Duty Cycle = $5120 \times (1/(15000 \times 2048)) \times 2 + 0.004)/0.01 = 43.33 \%$

10.4.7 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.

2018/01/08 11:00 Idle(Regist) Phone-2 W-CDMA Phone-1 LTE
 <Fundamental Measurement> Output Main Continuous

Reference Signal not found UE Power : -21.5 dBm

Power Measurement (Meas. Count : 11/ 20)
 Avg. Max. Min. Limit
 TX Power ***** dBm 20.3 to 25.7 dBm
 Channel Power ***** dBm

Modulation Analysis View (Meas. Count : 1/ 1)

Common Parameter
 Test Parameter TX1 - Max. Power(QPSK/1 RB)

Call Processing On Scenario Normal

Frequency
 Frame Structure TDD
 Channel Bandwidth FDD Hz
 TDD 20 CH = 2593.000000 MHz
 UL Channel & Frequency
 DL Channel & Frequency 40620 CH = 2593.000000 MHz
 Operation Band 41
 Frequency Separation (0)MHz

Level
 Input Level 30.0 dBm

2018/01/08 11:01 Idle(Regist) Phone-2 W-CDMA Phone-1 LTE
 <Fundamental Measurement> Output Main Continuous

Reference Signal not found UE Power : -21.5 dBm

Power Measurement (Meas. Count : 11/ 20)
 Avg. Max. Min. Limit
 TX Power ***** dBm 20.3 to 25.7 dBm
 Channel Power ***** dBm

Modulation Analysis View (Meas. Count : 1/ 1)

MCS Index (-) 5 (QPSK) (5) (2216) - -
 MCS Index (5) 5 (QPSK) (5) (1864) 4 -
 MCS Index (0) 5 (QPSK) (5) (2216) - 2
 MCS Index (1,6) N/A (----) (--) (----) - 2
 CFI 3

TDD
 subframe 0 1 2 3 4 5 6 7 8 9
 Uplink Downlink Configuration 0 : (5ms) D S U U U D S U U U
 Special Subframe Configuration 6

Physical Channel Parameter
 PSS Power 0.0 dB
 SSS Power 0.0 dB
 PBCH Power 0.0 dB
 PCFICH Power 0.0 dB
 PHICH Power 0.0 dB

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 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. 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.

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 D04v01.

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

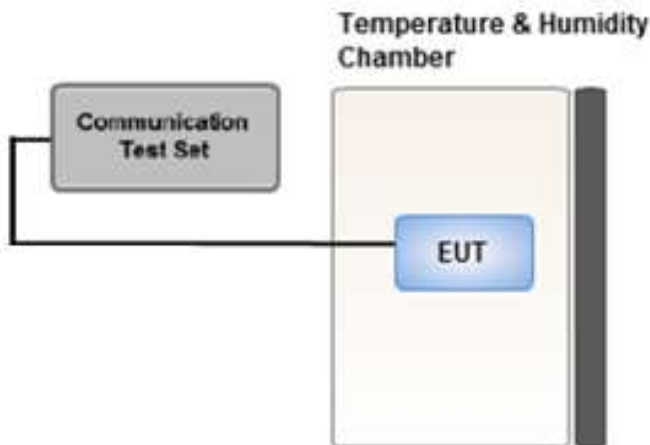
According to ANSI C63.26-2015 Section 5.2.1 when measuring the maximum RF output power from such devices, control over the EUT must be provided either through special test software (provided by manufacturer specifically for compliance testing, but not accessible by an end user) or through use of a base 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 GSM

11.1.1 GSM Maximum Conducted Output Power

GSM850(Head, Body mode)

P_{max} , DSI=0,1,2,3 P_{Limit} Calculations

Measured P_{max} , P_{Limit} Calculations

Mode / Band	Voice	GPRS(GMSK) Data – CS1(dBm)				EDGE Data (dBm)				
	GSM	GPRS 1 TX Slot	GPRS 2 TX Slot	GPRS 3 TX Slot	GPRS 4 TX Slot	EDGE 1 TX Slot	EDGE 2 TX Slot	EDGE 3 TX Slot	EDGE 4 TX Slot	
Maximum	33.00	33.00	32.50	30.50	28.50	28.00	26.00	24.00	23.00	
Nominal	32.00	32.00	31.50	29.50	27.50	27.00	25.00	23.00	22.00	
GSM 850	128	31.66	31.66	30.90	29.07	26.41	26.97	24.70	22.97	22.06
	190	32.05	32.03	31.58	29.72	28.07	26.69	25.05	22.98	22.08
	251	32.57	32.52	30.90	29.21	27.80	26.70	25.08	23.11	22.02

GSM Conducted output powers (Burst-Average)

Mode / Band	Voice	GPRS(GMSK) Data – CS1(dBm)				EDGE Data (dBm)				
	GSM	GPRS 1 TX Slot	GPRS 2 TX Slot	GPRS 3 TX Slot	GPRS 4 TX Slot	EDGE 1 TX Slot	EDGE 2 TX Slot	EDGE 3 TX Slot	EDGE 4 TX Slot	
Maximum	23.97	23.97	26.48	26.24	25.49	18.97	19.98	19.74	19.99	
Nominal	22.97	22.97	25.48	25.24	24.49	17.97	18.98	18.74	18.99	
GSM 850	128	22.63	22.63	24.88	24.81	23.40	17.94	18.68	18.71	19.05
	190	23.02	23.00	25.56	25.46	25.06	17.66	19.03	18.72	19.07
	251	23.54	23.49	24.88	24.95	24.79	17.67	19.06	18.85	19.01

GSM Conducted output powers (Frame-Average)

Note:

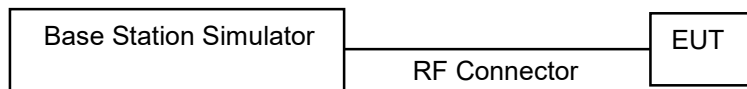
Time slot average factor is as follows:

1 Tx slot = 9.03 dB, Frame-Average output power = Burst-Average output power – 9.03 dB

2 Tx slot = 6.02 dB, Frame-Average output power = Burst-Average output power – 6.02 dB

3 Tx slot = 4.26 dB, Frame-Average output power = Burst-Average output power – 4.26 dB

4 Tx slot = 3.01 dB, Frame-Average output power = Burst-Average output power – 3.01 dB



GSM1900(Head mode)

P_{max} , DSI=2,3 P_{Limit} Calculations

Measured P_{max} , DSI=2,3 Calculations

Mode / Band	Voice	GPRS(GMSK) Data – CS1(dBm)				EDGE Data (dBm)				
	GSM	GPRS 1 TX Slot	GPRS 2 TX Slot	GPRS 3 TX Slot	GPRS 4 TX Slot	EDGE 1 TX Slot	EDGE 2 TX Slot	EDGE 3 TX Slot	EDGE 4 TX Slot	
Maximum	30.50	30.50	29.00	27.50	25.50	27.00	25.00	23.00	22.00	
Nominal	29.50	29.50	28.00	26.50	24.50	26.00	24.00	22.00	21.00	
GSM 1900	512	29.29	29.39	27.68	25.82	24.18	25.06	24.07	21.90	21.04
	661	29.49	29.45	27.43	25.74	24.24	25.14	24.06	21.94	21.11
	810	29.45	29.44	27.67	26.03	24.28	25.24	24.10	22.04	21.08

GSM Conducted output powers (Burst-Average)

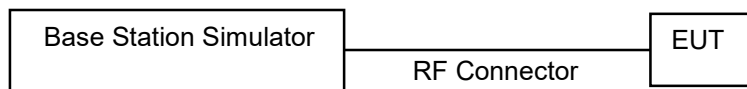
Mode / Band	Voice	GPRS(GMSK) Data – CS1(dBm)				EDGE Data (dBm)				
	GSM	GPRS 1 TX Slot	GPRS 2 TX Slot	GPRS 3 TX Slot	GPRS 4 TX Slot	EDGE 1 TX Slot	EDGE 2 TX Slot	EDGE 3 TX Slot	EDGE 4 TX Slot	
Maximum	21.47	21.47	22.98	23.24	22.49	17.97	18.98	18.74	18.99	
Nominal	20.47	20.47	21.98	22.24	21.49	16.97	17.98	17.74	17.99	
GSM 1900	512	20.26	20.36	21.66	21.56	21.17	16.03	18.05	17.64	18.03
	661	20.46	20.42	21.41	21.48	21.23	16.11	18.04	17.68	18.10
	810	20.42	20.41	21.65	21.77	21.27	16.21	18.08	17.78	18.07

GSM Conducted output powers (Frame-Average)

Note:

Time slot average factor is as follows:

- 1 Tx slot = 9.03 dB, Frame-Average output power = Burst-Average output power – 9.03 dB
- 2 Tx slot = 6.02 dB, Frame-Average output power = Burst-Average output power – 6.02 dB
- 3 Tx slot = 4.26 dB, Frame-Average output power = Burst-Average output power – 4.26 dB
- 4 Tx slot = 3.01 dB, Frame-Average output power = Burst-Average output power – 3.01 dB



GSM1900(Body mode)

Measured DSI=0,1 P_{Limit} Calculations

Mode / Band	Voice	GPRS(GMSK) Data – CS1(dBm)				EDGE Data (dBm)			
	GSM	GPRS 1 TX Slot	GPRS 2 TX Slot	GPRS 3 TX Slot	GPRS 4 TX Slot	EDGE 1 TX Slot	EDGE 2 TX Slot	EDGE 3 TX Slot	EDGE 4 TX Slot
Maximum	28.50	28.50	25.50	23.70	22.50	N/A	N/A	N/A	N/A
Nominal	27.50	27.50	24.50	22.70	21.50	N/A	N/A	N/A	N/A
GSM 1900	512	27.19	27.14	24.57	22.23	21.17	N/A	N/A	N/A
	661	27.21	27.20	24.59	22.48	20.91	N/A	N/A	N/A
	810	27.44	27.40	24.73	22.45	21.50	N/A	N/A	N/A

GSM Conducted output powers (Burst-Average)

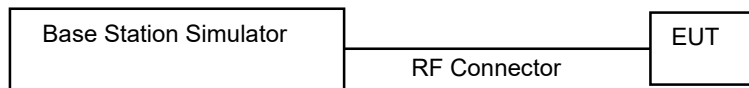
Mode / Band	Voice	GPRS(GMSK) Data – CS1(dBm)				EDGE Data (dBm)			
	GSM	GPRS 1 TX Slot	GPRS 2 TX Slot	GPRS 3 TX Slot	GPRS 4 TX Slot	EDGE 1 TX Slot	EDGE 2 TX Slot	EDGE 3 TX Slot	EDGE 4 TX Slot
Maximum	19.47	19.47	19.48	19.44	19.49	N/A	N/A	N/A	N/A
Nominal	18.47	18.47	18.48	18.44	18.49	N/A	N/A	N/A	N/A
GSM 1900	512	18.16	18.11	18.55	17.97	18.16	N/A	N/A	N/A
	661	18.18	18.17	18.57	18.22	17.90	N/A	N/A	N/A
	810	18.41	18.37	18.71	18.19	18.49	N/A	N/A	N/A

GSM Conducted output powers (Frame-Average)

Note:

Time slot average factor is as follows:

- 1 Tx slot = 9.03 dB, Frame-Average output power = Burst-Average output power – 9.03 dB
- 2 Tx slot = 6.02 dB, Frame-Average output power = Burst-Average output power – 6.02 dB
- 3 Tx slot = 4.26 dB, Frame-Average output power = Burst-Average output power – 4.26 dB
- 4 Tx slot = 3.01 dB, Frame-Average output power = Burst-Average output power – 3.01 dB



11.2 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.

11.2.1 UMTS Maximum Conducted Output Power

UMTS Band 5 Maximum Conducted Output Power (P_{max} , DSI=0,1,2,3)(Head, body mode)

3GPP Release Version	Mode	3GPP 34.121	UMTS Band 5 [dBm]			3GPP MPR
		Subtest	UL4132 DL4357	UL4183 DL4408	UL4233 DL4458	
99	UMTS	12.2 kbps RMC	24.41	24.40	24.79	-
99		12.2 kbps AMR	24.46	24.47	24.84	-
5	HSDPA	Subtest 1	23.41	23.45	23.78	0
5		Subtest 2	23.37	23.40	23.78	0
5		Subtest 3	22.89	22.96	23.26	0.5
5		Subtest 4	22.87	22.90	23.28	0.5
6	HSUPA	Subtest 1	23.43	23.43	23.75	0
6		Subtest 2	21.37	21.36	21.80	2
6		Subtest 3	22.35	22.37	22.75	1
6		Subtest 4	21.40	21.49	21.74	2
6		Subtest 5	23.32	23.34	23.75	0
8	DC-HSDPA	Subtest1	23.39	23.42	23.74	0
8		Subtest2	23.38	23.35	23.77	0
8		Subtest3	22.87	22.86	23.19	0.5
8		Subtest4	22.89	22.84	23.25	0.5

UMTS Average Conducted output powers

UMTS Band 4 Maximum Conducted Output Power (P_{max} , DSI=2,3)(Head mode)

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	24.39	23.65	23.79	-
99		12.2 kbps AMR	24.43	23.72	23.80	-
5	HSDPA	Subtest 1	23.40	22.65	22.79	0
5		Subtest 2	23.41	22.68	22.76	0
5		Subtest 3	22.93	22.15	22.29	0.5
5		Subtest 4	22.88	22.15	22.24	0.5
6	HSUPA	Subtest 1	23.39	22.62	22.78	0
6		Subtest 2	21.46	20.59	20.80	2
6		Subtest 3	22.42	21.69	21.68	1
6		Subtest 4	21.41	20.65	20.79	2
6		Subtest 5	23.44	22.67	22.77	0
8	DC-HSDPA	Subtest1	23.05	22.38	22.63	0
8		Subtest2	23.03	22.41	22.55	0
8		Subtest3	22.52	21.87	22.06	0.5
8		Subtest4	22.54	21.79	22.05	0.5

UMTS Average Conducted output powers

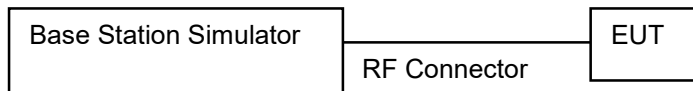
UMTS Band 2 Maximum Conducted Output Power (P_{max} , DSI=2,3)(Head mode)

3GPP Release Version	Mode	3GPP 34.121	UMTS Band 2 [dBm]			3GPP MPR
		Subtest	UL9262 DL9662	UL9400 DL9800	UL9538 DL9938	
99	UMTS	12.2 kbps RMC	23.78	23.58	23.56	-
99		12.2 kbps AMR	23.73	23.66	23.57	-
5	HSDPA	Subtest 1	22.71	22.61	22.56	0
5		Subtest 2	22.72	22.65	22.57	0
5		Subtest 3	22.23	22.11	22.06	0.5
5		Subtest 4	22.19	22.12	22.09	0.5
6	HSUPA	Subtest 1	22.70	22.57	22.55	0
6		Subtest 2	20.73	20.51	20.57	2
6		Subtest 3	21.71	21.59	21.52	1
6		Subtest 4	20.65	20.60	20.60	2
6		Subtest 5	22.67	22.66	22.52	0
8	DC-HSDPA	Subtest 1	22.49	22.28	22.29	0
8		Subtest2	22.52	22.34	22.29	0
8		Subtest3	22.01	21.87	21.79	0.5
8		Subtest4	22.05	21.77	21.77	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.



DSI=0,1 P_{Limit} Calculations - Body SAR

UMTS Band 4 Hotspot Back-off Power (DSI=0,1)(Body mode)

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	19.50	18.75	18.88	-
99		12.2 kbps AMR	19.53	18.81	18.94	-
5	HSDPA	Subtest 1	18.52	17.78	17.91	0
5		Subtest 2	18.45	17.81	17.87	0
5		Subtest 3	17.98	17.29	17.34	0.5
5		Subtest 4	17.99	17.20	17.40	0.5
6	HSUPA	Subtest 1	18.49	17.76	17.86	0
6		Subtest 2	16.49	15.65	15.83	2
6		Subtest 3	17.43	16.78	16.81	1
6		Subtest 4	16.45	15.77	15.91	2
6		Subtest 5	18.46	17.72	17.78	0
8	DC-HSDPA	Subtest 1	18.27	17.59	17.86	0
8		Subtest2	18.25	17.59	17.81	0
8		Subtest3	17.80	17.04	17.31	0.5
8		Subtest4	17.79	17.05	17.39	0.5

UMTS Average Conducted output powers

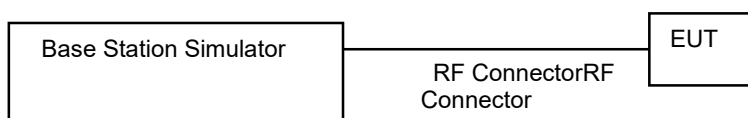
UMTS Band 2 Hotspot Back-off Power (DSI=0,1)(Body mode)

3GPP Release Version	Mode	3GPP 34.121	UMTS Band 2 [dBm]			3GPP MPR
		Subtest	UL9262 DL9662	UL9400 DL9800	UL9538 DL9938	
99	UMTS	12.2 kbps RMC	18.82	18.71	18.67	-
99		12.2 kbps AMR	18.81	18.72	18.68	-
5	HSDPA	Subtest 1	17.82	17.70	17.68	0
5		Subtest 2	17.79	17.72	17.66	0
5		Subtest 3	17.37	17.17	17.20	0.5
5		Subtest 4	17.31	17.25	17.18	0.5
6	HSUPA	Subtest 1	17.81	17.68	17.69	0
6		Subtest 2	15.77	15.71	15.61	2
6		Subtest 3	16.94	16.65	16.59	1
6		Subtest 4	15.86	15.79	15.69	2
6		Subtest 5	17.80	17.67	17.60	0
8	DC-HSDPA	Subtest 1	17.74	17.54	17.49	0
8		Subtest2	17.76	17.50	17.55	0
8		Subtest3	17.24	17.05	17.02	0.5
8		Subtest4	17.18	16.96	17.01	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.



11.3 LTE Maximum Output Power

LTE B4/B5/B12/B13/B17/B26/B41 at Max 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.

11.3.1 LTE Maximum Conducted Power

[LTE Band 2 Conducted Power _ P_{max} , DSI=2,3](Head mode) Ant. B

LTE Band 2 _ 1.4 MHz Bandwidth

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	23.79	23.66	23.74	0	0
		1	3	23.84	23.71	23.53	0	0
		1	5	23.81	23.70	23.38	0	0
		3	0	23.86	23.63	23.52	0	0
		3	1	23.89	23.76	23.46	0	0
		3	3	23.83	23.72	23.35	0	0
	16QAM	6	0	22.82	22.70	22.72	0-1	1
		1	0	23.35	22.98	23.01	0-1	1
		1	3	23.17	23.04	22.84	0-1	1
		1	5	23.23	22.76	22.77	0-1	1
		3	0	23.04	22.94	22.78	0-1	1
		3	1	22.98	22.80	22.76	0-1	1
	64QAM	3	3	23.04	22.87	22.72	0-1	1
		6	0	21.83	21.75	22.01	0-2	2
		1	0	22.08	21.85	22.34	0-2	2
		1	3	22.01	21.97	22.10	0-2	2
		1	5	21.95	21.90	22.05	0-2	2
		3	0	21.90	21.77	22.15	0-2	2
	256QAM	3	1	21.95	21.75	22.12	0-2	2
		3	3	21.98	21.76	21.99	0-2	2
		6	0	20.87	20.75	21.10	0-3	3
		1	0	18.82	18.77	19.11	0-5	5
		1	3	18.84	18.87	19.21	0-5	5
		1	5	18.96	18.60	19.11	0-5	5
	3	0	18.92	18.76	19.09	0-5	5	
	3	1	18.95	18.77	19.02	0-5	5	
	3	3	18.87	18.71	19.03	0-5	5	
	6	0	18.92	18.72	19.00	0-5	5	

LTE Band 2 _ 3 MHz Bandwidth

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	23.79	23.61	23.85	0	0
		1	7	23.85	23.70	23.59	0	0
		1	14	23.88	23.67	23.24	0	0
		8	0	22.86	22.70	22.96	0-1	1
		8	3	22.93	22.73	22.88	0-1	1
		8	7	22.89	22.73	22.72	0-1	1
		15	0	22.86	22.72	22.83	0-1	1
	16QAM	1	0	23.18	22.93	23.17	0-1	1
		1	7	22.99	23.05	22.88	0-1	1
		1	14	23.18	22.97	22.63	0-1	1
		8	0	21.93	21.62	21.93	0-2	2
		8	3	22.00	21.78	22.00	0-2	2
		8	7	21.99	21.80	22.02	0-2	2
		15	0	21.95	21.71	21.98	0-2	2
	64QAM	1	0	22.23	21.94	22.20	0-2	2
		1	7	22.07	21.82	22.25	0-2	2
		1	14	22.01	21.75	22.01	0-2	2
		8	0	20.87	20.67	20.97	0-3	3
		8	3	20.85	20.76	20.94	0-3	3
		8	7	20.89	20.71	21.13	0-3	3
		15	0	20.94	20.76	20.97	0-3	3
	256QAM	1	0	18.94	18.67	19.06	0-5	5
		1	7	18.96	18.77	19.15	0-5	5
		1	14	19.01	18.77	19.18	0-5	5
		8	0	18.94	18.70	18.95	0-5	5
		8	3	18.91	18.78	19.00	0-5	5
		8	7	18.88	18.74	19.04	0-5	5
		15	0	18.89	18.75	18.93	0-5	5

LTE Band 2_ 5 MHz Bandwidth

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	23.85	23.63	23.89	0	0
		1	12	23.85	23.72	23.69	0	0
		1	24	23.83	23.74	23.29	0	0
		12	0	22.86	22.67	22.97	0-1	1
		12	6	22.89	22.78	23.01	0-1	1
		12	11	22.93	22.77	22.85	0-1	1
		25	0	22.83	22.67	22.97	0-1	1
	16QAM	1	0	23.10	22.89	23.30	0-1	1
		1	12	23.37	23.18	23.10	0-1	1
		1	24	23.21	23.08	22.66	0-1	1
		12	0	21.95	21.70	21.95	0-2	2
		12	6	22.00	21.80	22.01	0-2	2
		12	11	21.98	21.78	22.04	0-2	2
		25	0	21.87	21.75	22.00	0-2	2
	64QAM	1	0	22.03	21.78	22.01	0-2	2
		1	12	22.23	21.95	22.34	0-2	2
		1	24	21.94	21.93	22.00	0-2	2
		12	0	20.91	20.71	20.90	0-3	3
		12	6	20.96	20.84	20.97	0-3	3
		12	11	20.93	20.69	21.01	0-3	3
		25	0	20.91	20.76	20.92	0-3	3
	256QAM	1	0	18.89	18.57	19.09	0-5	5
		1	12	19.00	18.83	19.20	0-5	5
		1	24	18.90	18.79	19.11	0-5	5
		12	0	18.95	18.66	19.01	0-5	5
		12	6	18.92	18.75	18.97	0-5	5
		12	11	18.89	18.75	18.98	0-5	5
		25	0	18.89	18.69	18.96	0-5	5

LTE Band 2 _ 10 MHz Bandwidth

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	24.02	23.70	23.58	0	0
		1	24	23.84	23.66	23.76	0	0
		1	49	23.85	23.79	23.26	0	0
		25	0	22.79	22.66	22.93	0-1	1
		25	12	22.89	22.72	22.98	0-1	1
		25	24	22.85	22.77	23.01	0-1	1
	16QAM	50	0	22.85	22.78	22.94	0-1	1
		1	0	23.12	22.93	22.78	0-1	1
		1	24	23.18	22.99	23.12	0-1	1
		1	49	23.21	22.71	22.64	0-1	1
		25	0	21.84	21.71	21.92	0-2	2
		25	12	21.92	21.79	22.02	0-2	2
	64QAM	25	24	21.91	21.78	22.06	0-2	2
		50	0	21.92	21.76	21.92	0-2	2
		1	0	22.41	21.93	22.09	0-2	2
		1	24	22.07	21.84	22.19	0-2	2
		1	49	21.94	22.07	21.94	0-2	2
		25	0	20.82	20.62	20.91	0-3	3
	256QAM	25	12	20.88	20.72	21.00	0-3	3
		25	24	20.89	20.78	21.03	0-3	3
		50	0	20.87	20.71	20.89	0-3	3
		1	0	18.80	18.71	18.88	0-5	5
		1	24	19.04	18.81	19.08	0-5	5
		1	49	18.93	18.80	19.12	0-5	5
		25	0	18.76	18.61	18.95	0-5	5
		25	12	18.97	18.76	19.00	0-5	5
		25	24	18.90	18.77	19.00	0-5	5
50		0	18.94	18.73	18.94	0-5	5	

LTE Band 2 _ 15 MHz Bandwidth

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	24.01	23.64	23.23	0	0
		1	36	23.66	23.44	23.53	0	0
		1	74	23.78	23.62	23.26	0	0
		36	0	22.64	22.55	22.75	0-1	1
		36	18	22.76	22.61	22.75	0-1	1
		36	39	22.76	22.62	22.83	0-1	1
		75	0	22.75	22.59	22.74	0-1	1
	16QAM	1	0	22.82	23.44	22.59	0-1	1
		1	36	23.05	22.82	22.84	0-1	1
		1	74	22.72	22.67	22.59	0-1	1
		36	0	21.74	21.56	21.74	0-2	2
		36	18	21.79	21.60	21.79	0-2	2
		36	39	21.80	21.64	21.85	0-2	2
		75	0	21.80	21.61	21.75	0-2	2
	64QAM	1	0	21.82	21.54	21.84	0-2	2
		1	36	21.86	21.84	21.94	0-2	2
		1	74	21.85	21.75	21.93	0-2	2
		36	0	20.74	20.54	20.77	0-3	3
		36	18	20.71	20.61	20.76	0-3	3
		36	39	20.70	20.61	20.97	0-3	3
		75	0	20.71	20.50	20.79	0-3	3
	256QAM	1	0	18.69	18.50	18.64	0-5	5
		1	36	18.76	18.72	18.90	0-5	5
		1	74	18.93	18.67	19.06	0-5	5
		36	0	18.70	18.48	18.77	0-5	5
		36	18	18.71	18.53	18.80	0-5	5
		36	39	18.68	18.53	18.92	0-5	5
75		0	18.69	18.60	18.73	0-5	5	

LTE Band 2 _ 20 MHz Bandwidth

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	23.43	23.51	23.53	0	0
		1	49	23.61	23.78	23.43	0	0
		1	99	23.55	23.41	23.33	0	0
		50	0	22.73	22.56	22.69	0-1	1
		50	25	22.74	22.60	22.73	0-1	1
		50	49	22.73	22.64	22.89	0-1	1
	16QAM	100	0	22.72	22.64	22.80	0-1	1
		1	0	23.13	22.87	22.83	0-1	1
		1	49	22.74	22.66	22.77	0-1	1
		1	99	22.64	22.58	22.62	0-1	1
		50	0	21.72	21.62	21.77	0-2	2
		50	25	21.75	21.66	21.83	0-2	2
	64QAM	50	49	21.76	21.65	21.86	0-2	2
		100	0	21.76	21.64	21.78	0-2	2
		1	0	21.78	21.62	21.76	0-2	2
		1	49	21.76	21.49	22.04	0-2	2
		1	99	21.72	21.65	22.06	0-2	2
		50	0	20.70	20.58	20.71	0-3	3
	256QAM	50	25	20.77	20.68	20.74	0-3	3
		50	49	20.74	20.66	20.85	0-3	3
		100	0	20.75	20.59	20.80	0-3	3
		1	0	19.03	18.57	18.85	0-5	5
		1	49	18.70	18.66	18.89	0-5	5
		1	99	18.69	18.72	18.94	0-5	5
		50	0	18.69	18.57	18.79	0-5	5
		50	25	18.71	18.60	18.80	0-5	5
		50	49	18.77	18.64	18.82	0-5	5
100		0	18.72	18.53	18.81	0-5	5	

[LTE Band 4 Conducted Power _ Pmax, DSI =2,3](Head mode) Ant. B

LTE Band 4 _ 1.4 Mhz Bandwidth

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	23.77	23.86	24.02	0	0
		1	3	23.77	23.85	24.00	0	0
		1	5	23.61	23.83	23.84	0	0
		3	0	23.65	23.87	23.96	0	0
		3	1	23.70	23.85	23.88	0	0
		3	3	23.75	23.84	23.84	0	0
	16QAM	6	0	22.70	22.79	22.90	0-1	1
		1	0	23.00	23.11	23.23	0-1	1
		1	3	23.25	23.26	23.34	0-1	1
		1	5	22.80	22.98	23.17	0-1	1
		3	0	22.80	22.90	22.95	0-1	1
		3	1	22.94	23.02	23.10	0-1	1
	64QAM	3	3	22.93	23.14	23.17	0-1	1
		6	0	21.68	21.87	21.98	0-2	2
		1	0	21.88	22.14	21.92	0-2	2
		1	3	21.89	22.04	22.10	0-2	2
		1	5	21.94	21.89	22.03	0-2	2
		3	0	21.76	21.95	22.08	0-2	2
	256QAM	3	1	21.81	21.84	22.07	0-2	2
		3	3	21.82	22.02	22.03	0-2	2
		6	0	20.68	20.90	20.92	0-3	3
		1	0	18.74	18.62	19.04	0-5	5
		1	3	18.89	18.98	19.14	0-5	5
		1	5	18.71	18.87	19.02	0-5	5
		3	0	18.78	18.78	19.06	0-5	5
		3	1	18.76	18.82	18.94	0-5	5
		3	3	18.70	18.83	18.95	0-5	5
		6	0	18.77	18.79	19.01	0-5	5

LTE Band 4 _ 3 MHz Bandwidth

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	23.67	23.80	23.88	0	0
		1	7	23.59	23.87	23.80	0	0
		1	14	23.58	23.71	23.90	0	0
		8	0	22.76	22.76	22.90	0-1	1
		8	3	22.76	22.80	23.01	0-1	1
		8	7	22.70	22.86	23.01	0-1	1
		15	0	22.69	22.79	23.02	0-1	1
	16QAM	1	0	23.02	22.99	23.18	0-1	1
		1	7	23.04	23.16	23.11	0-1	1
		1	14	22.93	23.15	22.99	0-1	1
		8	0	21.73	21.81	21.93	0-2	2
		8	3	21.80	21.85	22.03	0-2	2
		8	7	21.79	21.94	22.07	0-2	2
		15	0	21.76	21.75	21.96	0-2	2
	64QAM	1	0	21.85	21.97	22.13	0-2	2
		1	7	21.89	21.96	22.16	0-2	2
		1	14	21.77	21.99	22.13	0-2	2
		8	0	20.75	20.78	20.84	0-3	3
		8	3	20.77	20.91	21.02	0-3	3
		8	7	20.82	20.88	21.04	0-3	3
		15	0	20.68	20.71	20.99	0-3	3
	256QAM	1	0	18.63	18.81	18.93	0-5	5
		1	7	18.86	18.87	19.04	0-5	5
		1	14	18.76	18.85	18.83	0-5	5
		8	0	18.76	18.75	18.88	0-5	5
		8	3	18.71	18.78	19.00	0-5	5
		8	7	18.73	18.92	18.88	0-5	5
		15	0	18.70	18.77	18.93	0-5	5

LTE Band 4 _ 5 MHz Bandwidth

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	23.66	23.70	23.78	0	0
		1	12	23.66	23.89	23.93	0	0
		1	24	23.64	23.78	23.86	0	0
		12	0	22.66	22.78	22.92	0-1	1
		12	6	22.71	22.83	22.96	0-1	1
		12	11	22.74	22.86	22.96	0-1	1
	16QAM	25	0	22.74	22.77	22.87	0-1	1
		1	0	23.00	23.02	23.08	0-1	1
		1	12	23.02	23.09	23.19	0-1	1
		1	24	22.79	23.09	23.12	0-1	1
		12	0	21.70	21.74	21.92	0-2	2
		12	6	21.81	21.83	21.93	0-2	2
	64QAM	12	11	21.71	21.87	21.99	0-2	2
		25	0	21.71	21.75	21.89	0-2	2
		1	0	21.87	21.99	21.94	0-2	2
		1	12	21.91	21.98	21.96	0-2	2
		1	24	21.81	21.99	21.93	0-2	2
		12	0	20.66	20.81	20.87	0-3	3
	256QAM	12	6	20.78	20.79	21.00	0-3	3
		12	11	20.74	20.88	20.98	0-3	3
		25	0	20.71	20.71	20.90	0-3	3
		1	0	18.74	18.87	19.01	0-5	5
		1	12	18.83	18.94	19.12	0-5	5
		1	24	18.76	18.89	18.96	0-5	5
	256QAM	12	0	18.60	18.79	18.84	0-5	5
		12	6	18.78	18.85	18.85	0-5	5
		12	11	18.75	18.85	19.02	0-5	5
		25	0	18.77	18.76	18.81	0-5	5

LTE Band 4 _ 10 MHz Bandwidth

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	23.73	23.70	23.89	0	0	
		1	24	23.76	23.88	23.92	0	0	
		1	49	23.74	23.84	23.90	0	0	
		25	0	22.68	22.78	22.87	0-1	1	
		25	12	22.77	22.80	22.90	0-1	1	
		25	24	22.67	22.86	22.91	0-1	1	
	16QAM	50	0	22.76	22.78	22.92	0-1	1	
		1	0	22.91	23.04	23.09	0-1	1	
		1	24	23.08	23.02	23.19	0-1	1	
		1	49	22.82	23.11	23.11	0-1	1	
		25	0	21.66	21.77	21.86	0-2	2	
		25	12	21.72	21.84	21.92	0-2	2	
	64QAM	25	24	21.69	21.80	21.90	0-2	2	
		50	0	21.75	21.79	21.85	0-2	2	
		1	0	21.89	21.94	22.18	0-2	2	
		1	24	21.89	21.88	22.07	0-2	2	
		1	49	21.79	21.98	21.92	0-2	2	
		25	0	20.65	20.78	20.87	0-3	3	
	256QAM	25	12	20.79	20.88	20.94	0-3	3	
		25	24	20.73	20.84	20.97	0-3	3	
		50	0	20.74	20.77	20.91	0-3	3	
		1	0	18.70	18.87	18.93	0-5	5	
		1	24	18.92	18.89	18.94	0-5	5	
		1	49	18.71	18.94	19.06	0-5	5	
		256QAM	25	0	18.66	18.78	18.82	0-5	5
			25	12	18.78	18.89	18.94	0-5	5
			25	24	18.75	18.85	18.94	0-5	5
			50	0	18.84	18.83	18.94	0-5	5

LTE Band 4 _ 15 MHz Bandwidth

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	23.61	23.62	23.85	0	0
		1	36	23.72	23.79	23.94	0	0
		1	74	23.81	23.81	23.66	0	0
		36	0	22.55	22.63	22.79	0-1	1
		36	18	22.64	22.64	22.76	0-1	1
		36	39	22.64	22.69	22.81	0-1	1
		75	0	22.61	22.69	22.71	0-1	1
	16QAM	1	0	22.89	23.06	22.83	0-1	1
		1	36	22.83	22.92	22.94	0-1	1
		1	74	23.10	23.05	22.99	0-1	1
		36	0	21.56	21.59	21.78	0-2	2
		36	18	21.64	21.59	21.72	0-2	2
		36	39	21.66	21.76	21.85	0-2	2
		75	0	21.60	21.66	21.78	0-2	2
	64QAM	1	0	21.62	21.69	21.75	0-2	2
		1	36	21.68	21.84	21.72	0-2	2
		1	74	22.06	22.21	21.97	0-2	2
		36	0	20.55	20.60	20.77	0-3	3
		36	18	20.70	20.64	20.68	0-3	3
		36	39	20.73	20.76	20.82	0-3	3
		75	0	20.58	20.68	20.74	0-3	3
	256QAM	1	0	18.57	18.60	18.86	0-5	5
		1	36	18.71	18.75	18.85	0-5	5
		1	74	18.77	18.83	18.95	0-5	5
		36	0	18.56	18.65	18.70	0-5	5
		36	18	18.59	18.59	18.75	0-5	5
		36	39	18.63	18.78	18.83	0-5	5
		75	0	18.66	18.65	18.76	0-5	5

LTE Band 4 _ 20 MHz Bandwidth

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	23.57	0	0
		1	49	24.01	0	0
		1	99	23.76	0	0
		50	0	22.68	0-1	1
		50	25	22.67	0-1	1
		50	49	22.69	0-1	1
		100	0	22.62	0-1	1
	16QAM	1	0	22.73	0-1	1
		1	49	22.76	0-1	1
		1	99	22.93	0-1	1
		50	0	21.73	0-2	2
		50	25	21.68	0-2	2
		50	49	21.74	0-2	2
		100	0	21.64	0-2	2
	64QAM	1	0	21.79	0-2	2
		1	49	21.93	0-2	2
		1	99	21.81	0-2	2
		50	0	20.60	0-3	3
		50	25	20.60	0-3	3
		50	49	20.72	0-3	3
		100	0	20.65	0-3	3
	256QAM	1	0	18.83	0-5	5
		1	49	18.72	0-5	5
		1	99	18.88	0-5	5
50		0	18.66	0-5	5	
50		25	18.62	0-5	5	
50		49	18.75	0-5	5	
100		0	18.67	0-5	5	

[LTE Band 5 Conducted Power _ Pmax, DSI=0,1,2,3](Head, Body mode) Ant. A, Ant. A+B

LTE Band 5 _ 1.4 MHz Bandwidth

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	24.87	24.45	24.77	0	0
		1	3	24.85	24.53	24.78	0	0
		1	5	24.80	24.45	24.69	0	0
		3	0	24.68	24.42	24.66	0	0
		3	1	24.79	24.40	24.70	0	0
		3	3	24.76	24.47	24.62	0	0
	16QAM	6	0	23.69	23.40	23.72	0-1	1
		1	0	23.97	23.62	23.86	0-1	1
		1	3	24.19	23.73	23.87	0-1	1
		1	5	24.04	23.64	23.91	0-1	1
		3	0	23.84	23.61	23.79	0-1	1
		3	1	23.99	23.53	23.75	0-1	1
	64QAM	3	3	23.92	23.63	23.90	0-1	1
		6	0	22.68	22.46	22.78	0-2	2
		1	0	22.92	22.71	22.67	0-2	2
		1	3	22.96	22.58	22.89	0-2	2
		1	5	23.02	22.53	22.96	0-2	2
		3	0	23.05	22.52	22.74	0-2	2
	256QAM	3	1	22.82	22.57	22.77	0-2	2
		3	3	22.85	22.53	22.78	0-2	2
		6	0	21.63	21.49	21.67	0-3	3
		1	0	19.75	19.41	19.68	0-5	5
		1	3	19.73	19.57	19.80	0-5	5
		1	5	19.78	19.31	19.71	0-5	5
		3	0	19.76	19.48	19.67	0-5	5
		3	1	19.73	19.41	19.68	0-5	5
		3	3	19.72	19.48	19.74	0-5	5
		6	0	19.70	19.42	19.66	0-5	5

LTE Band 5_ 3 MHz Bandwidth

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	24.71	24.39	24.49	0	0
		1	7	24.69	24.53	24.63	0	0
		1	14	24.54	24.39	24.59	0	0
		8	0	23.70	23.35	23.57	0-1	1
		8	3	23.66	23.48	23.71	0-1	1
		8	7	23.57	23.41	23.58	0-1	1
	16QAM	15	0	23.62	23.42	23.61	0-1	1
		1	0	23.92	23.63	23.62	0-1	1
		1	7	23.70	23.59	23.85	0-1	1
		1	14	23.73	23.61	23.91	0-1	1
		8	0	22.71	22.36	22.55	0-2	2
		8	3	22.63	22.42	22.71	0-2	2
	64QAM	8	7	22.58	22.45	22.66	0-2	2
		15	0	22.69	22.40	22.62	0-2	2
		1	0	22.90	22.53	22.80	0-2	2
		1	7	22.82	22.59	22.92	0-2	2
		1	14	22.68	22.64	22.90	0-2	2
		8	0	21.70	21.44	21.59	0-3	3
	256QAM	8	3	21.71	21.48	21.70	0-3	3
		8	7	21.67	21.45	21.68	0-3	3
		15	0	21.70	21.37	21.57	0-3	3
		1	0	19.73	19.62	19.57	0-5	5
		1	7	19.71	19.58	19.69	0-5	5
		1	14	19.62	19.46	19.62	0-5	5
		8	0	19.68	19.38	19.53	0-5	5
		8	3	19.72	19.40	19.64	0-5	5
		8	7	19.57	19.45	19.65	0-5	5
		15	0	19.70	19.39	19.57	0-5	5

LTE Band 5_ 5 MHz Bandwidth

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	24.58	24.55	24.74	0	0	
		1	12	24.69	24.53	24.74	0	0	
		1	24	24.58	24.38	24.68	0	0	
		12	0	23.65	23.44	23.56	0-1	1	
		12	6	23.73	23.44	23.58	0-1	1	
		12	11	23.54	23.42	23.61	0-1	1	
	16QAM	25	0	23.63	23.39	23.53	0-1	1	
		1	0	23.93	23.64	23.81	0-1	1	
		1	12	23.89	23.55	23.88	0-1	1	
		1	24	23.93	23.67	23.99	0-1	1	
		12	0	22.69	22.41	22.55	0-2	2	
		12	6	22.78	22.54	22.57	0-2	2	
	64QAM	12	11	22.57	22.42	22.58	0-2	2	
		25	0	22.59	22.42	22.59	0-2	2	
		1	0	22.79	22.66	22.73	0-2	2	
		1	12	22.81	22.65	22.89	0-2	2	
		1	24	22.76	22.66	22.77	0-2	2	
		12	0	21.67	21.45	21.46	0-3	3	
	256QAM	12	6	21.75	21.45	21.57	0-3	3	
		12	11	21.56	21.35	21.63	0-3	3	
		25	0	21.55	21.37	21.47	0-3	3	
		1	0	19.71	19.49	19.54	0-5	5	
		1	12	19.64	19.55	19.74	0-5	5	
		1	24	19.65	19.42	19.54	0-5	5	
		256QAM	12	0	19.61	19.35	19.51	0-5	5
			12	6	19.67	19.44	19.61	0-5	5
			12	11	19.47	19.39	19.56	0-5	5
			25	0	19.54	19.41	19.51	0-5	5

LTE Band 5 _ 10 MHz Bandwidth

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	24.45	0	0
		1	24	24.41	0	0
		1	49	24.51	0	0
		25	0	23.40	0-1	1
		25	12	23.49	0-1	1
		25	24	23.50	0-1	1
		50	0	23.43	0-1	1
	16QAM	1	0	23.83	0-1	1
		1	24	23.50	0-1	1
		1	49	23.77	0-1	1
		25	0	22.45	0-2	2
		25	12	22.49	0-2	2
		25	24	22.49	0-2	2
		50	0	22.51	0-2	2
	64QAM	1	0	22.62	0-2	2
		1	24	22.50	0-2	2
		1	49	22.63	0-2	2
		25	0	21.49	0-3	3
		25	12	21.41	0-3	3
		25	24	21.45	0-3	3
		50	0	21.38	0-3	3
	256QAM	1	0	19.61	0-5	5
		1	24	19.50	0-5	5
		1	49	19.60	0-5	5
25		0	19.50	0-5	5	
25		12	19.38	0-5	5	
25		24	19.50	0-5	5	
50		0	19.40	0-5	5	

[LTE Band 12 Conducted Power_ P_{max} , DSI=0,1,2,3](Head, Body mode) Ant. A, Ant. A+B

LTE Band 12_ 1.4 MHz Bandwidth

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	23.67	23.82	24.25	0	0
		1	3	23.69	23.94	24.21	0	0
		1	5	23.77	23.89	24.17	0	0
		3	0	23.74	23.88	24.31	0	0
		3	1	23.84	23.88	24.27	0	0
		3	3	23.79	23.84	24.21	0	0
	16QAM	6	0	22.81	22.92	23.22	0-1	1
		1	0	22.87	23.05	23.43	0-1	1
		1	3	23.00	23.31	23.53	0-1	1
		1	5	23.06	23.06	23.51	0-1	1
		3	0	23.04	23.03	23.36	0-1	1
		3	1	23.00	23.04	23.42	0-1	1
	64QAM	3	3	22.87	23.02	23.37	0-1	1
		6	0	21.88	22.02	22.28	0-2	2
		1	0	21.85	21.90	22.38	0-2	2
		1	3	21.93	22.13	22.38	0-2	2
		1	5	21.92	22.03	22.53	0-2	2
		3	0	21.74	21.96	22.37	0-2	2
	256QAM	3	1	21.78	22.04	22.42	0-2	2
		3	3	21.82	22.08	22.34	0-2	2
		6	0	20.83	20.89	21.21	0-3	3
		1	0	18.83	18.82	19.13	0-5	5
		1	3	18.86	18.93	19.43	0-5	5
		1	5	18.78	18.90	19.29	0-5	5
		3	0	18.79	18.81	19.20	0-5	5
		3	1	18.84	18.95	19.36	0-5	5
		3	3	18.85	18.89	19.24	0-5	5
		6	0	18.73	18.92	19.19	0-5	5

LTE Band 12 3 MHz Bandwidth

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	23.76	23.81	24.06	0	0
		1	7	23.86	23.96	24.33	0	0
		1	14	23.65	23.87	24.14	0	0
		8	0	22.79	22.84	23.14	0-1	1
		8	3	22.79	22.90	23.31	0-1	1
		8	7	22.82	22.96	23.24	0-1	1
		15	0	22.87	22.95	23.24	0-1	1
	16QAM	1	0	22.96	23.18	23.76	0-1	1
		1	7	23.02	23.23	23.68	0-1	1
		1	14	22.90	23.04	23.34	0-1	1
		8	0	21.83	21.90	22.21	0-2	2
		8	3	21.88	21.89	22.31	0-2	2
		8	7	21.92	22.03	22.30	0-2	2
		15	0	21.82	21.96	22.20	0-2	2
	64QAM	1	0	21.90	22.00	22.26	0-2	2
		1	7	22.14	22.17	22.46	0-2	2
		1	14	21.85	21.94	22.25	0-2	2
		8	0	20.71	20.97	21.22	0-3	3
		8	3	20.80	20.93	21.25	0-3	3
		8	7	20.80	20.94	21.25	0-3	3
		15	0	20.82	20.96	21.16	0-3	3
	256QAM	1	0	18.86	18.85	19.10	0-5	5
		1	7	18.81	18.99	19.38	0-5	5
		1	14	18.92	19.02	19.30	0-5	5
		8	0	18.75	18.88	19.14	0-5	5
		8	3	18.88	18.94	19.13	0-5	5
		8	7	18.82	18.98	19.32	0-5	5
		15	0	18.80	18.99	19.09	0-5	5

LTE Band 12 5 MHz Bandwidth

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	23.73	23.85	24.34	0	0
		1	12	23.97	24.09	24.32	0	0
		1	24	23.89	24.00	24.22	0	0
		12	0	22.75	22.93	23.19	0-1	1
		12	6	22.91	23.00	23.25	0-1	1
		12	11	22.79	22.97	23.22	0-1	1
		25	0	22.87	22.98	23.18	0-1	1
	16QAM	1	0	23.10	23.02	23.34	0-1	1
		1	12	23.04	23.26	23.62	0-1	1
		1	24	22.97	23.11	23.52	0-1	1
		12	0	21.84	22.00	22.17	0-2	2
		12	6	21.88	22.08	22.26	0-2	2
		12	11	21.91	22.03	22.27	0-2	2
		25	0	21.91	22.03	22.19	0-2	2
	64QAM	1	0	22.01	21.99	22.39	0-2	2
		1	12	22.04	22.07	22.37	0-2	2
		1	24	22.09	22.18	22.48	0-2	2
		12	0	20.80	20.97	21.23	0-3	3
		12	6	20.90	21.05	21.18	0-3	3
		12	11	20.85	21.05	21.24	0-3	3
		25	0	20.82	20.98	21.09	0-3	3
	256QAM	1	0	18.75	18.94	19.23	0-5	5
		1	12	18.82	19.11	19.33	0-5	5
		1	24	18.96	18.98	19.22	0-5	5
		12	0	18.79	18.85	19.08	0-5	5
		12	6	18.90	18.92	19.21	0-5	5
		12	11	18.85	18.96	19.27	0-5	5
25		0	18.81	18.92	19.18	0-5	5	

LTE Band 12 10 MHz Bandwidth

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	23.90		0	0
		1	24	24.00		0	0
		1	49	24.01		0	0
		25	0	22.94		0-1	1
		25	12	23.04		0-1	1
		25	24	23.00		0-1	1
		50	0	23.04		0-1	1
	16QAM	1	0	23.16		0-1	1
		1	24	23.25		0-1	1
		1	49	23.32		0-1	1
		25	0	21.88		0-2	2
		25	12	22.01		0-2	2
		25	24	22.04		0-2	2
		50	0	22.01		0-2	2
	64QAM	1	0	22.05		0-2	2
		1	24	22.04		0-2	2
		1	49	22.24		0-2	2
		25	0	20.89		0-3	3
		25	12	21.02		0-3	3
		25	24	21.07		0-3	3
		50	0	21.04		0-3	3
	256QAM	1	0	18.87		0-5	5
		1	24	19.12		0-5	5
		1	49	19.09		0-5	5
		25	0	18.86		0-5	5
		25	12	19.01		0-5	5
		25	24	19.07		0-5	5
		50	0	19.02		0-5	5

[LTE Band 13 Conducted Power_ Pmax, DSI=0,1,2,3](Head, Body mode) Ant. A, Ant. A+B

LTE Band 13 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				23230 Ch. 782 MHz		
5 MHz	QPSK	1	0	22.75	0	0
		1	12	22.88	0	0
		1	24	22.88	0	0
		12	0	21.79	0-1	1
		12	6	21.83	0-1	1
		12	11	21.91	0-1	1
		25	0	21.91	0-1	1
	16QAM	1	0	22.01	0-1	1
		1	12	21.96	0-1	1
		1	24	22.20	0-1	1
		12	0	20.78	0-2	2
		12	6	20.91	0-2	2
		12	11	20.89	0-2	2
		25	0	20.88	0-2	2
	64QAM	1	0	20.85	0-2	2
		1	12	21.19	0-2	2
		1	24	21.09	0-2	2
		12	0	19.84	0-3	3
		12	6	19.90	0-3	3
		12	11	19.92	0-3	3
		25	0	19.85	0-3	3
	256QAM	1	0	17.79	0-5	5
		1	12	18.01	0-5	5
		1	24	17.96	0-5	5
		12	0	17.77	0-5	5
		12	6	17.87	0-5	5
		12	11	17.83	0-5	5
		25	0	17.84	0-5	5

LTE Band 13 10 MHz Bandwidth

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	22.74	0	0
		1	24	22.93	0	0
		1	49	23.03	0	0
		25	0	21.84	0-1	1
		25	12	21.93	0-1	1
		25	24	21.96	0-1	1
		50	0	21.89	0-1	1
	16QAM	1	0	21.99	0-1	1
		1	24	22.18	0-1	1
		1	49	22.36	0-1	1
		25	0	20.79	0-2	2
		25	12	20.89	0-2	2
		25	24	20.98	0-2	2
		50	0	20.93	0-2	2
	64QAM	1	0	20.99	0-2	2
		1	24	21.15	0-2	2
		1	49	21.23	0-2	2
		25	0	19.80	0-3	3
		25	12	19.92	0-3	3
		25	24	19.96	0-3	3
		50	0	19.92	0-3	3
	256QAM	1	0	17.94	0-5	5
		1	24	17.86	0-5	5
		1	49	18.16	0-5	5
		25	0	17.77	0-5	5
		25	12	17.95	0-5	5
		25	24	17.97	0-5	5
		50	0	17.84	0-5	5

[LTE Band 17 Conducted Power_ Pmax, DSI=0,1,2,3](Head, Body mode) Ant. A, Ant. A+B

LTE Band 17 _ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]		MPR Allowed Per 3GPP [dB]	MPR [dB]
				23790	710 MHz		
5 MHz	QPSK	1	0	23.99	0	0	
		1	12	24.18	0	0	
		1	24	24.18	0	0	
		12	0	23.00	0-1	1	
		12	6	23.00	0-1	1	
		12	11	23.16	0-1	1	
		25	0	23.07	0-1	1	
	16QAM	1	0	23.04	0-1	1	
		1	12	23.53	0-1	1	
		1	24	23.33	0-1	1	
		12	0	21.99	0-2	2	
		12	6	22.16	0-2	2	
		12	11	22.14	0-2	2	
		25	0	22.11	0-2	2	
	64QAM	1	0	22.16	0-2	2	
		1	12	22.35	0-2	2	
		1	24	22.23	0-2	2	
		12	0	20.98	0-3	3	
		12	6	20.93	0-3	3	
		12	11	21.14	0-3	3	
		25	0	21.15	0-3	3	
	256QAM	1	0	18.86	0-5	5	
		1	12	19.25	0-5	5	
		1	24	19.27	0-5	5	
		12	0	19.02	0-5	5	
		12	6	19.04	0-5	5	
		12	11	19.09	0-5	5	
		25	0	19.06	0-5	5	

LTE Band 17 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]		MPR Allowed Per 3GPP [dB]	MPR [dB]
				23790	710 MHz		
10 MHz	QPSK	1	0	23.92		0	0
		1	24	24.04		0	0
		1	49	24.24		0	0
		25	0	22.97		0-1	1
		25	12	23.07		0-1	1
		25	24	23.17		0-1	1
	16QAM	50	0	23.17		0-1	1
		1	0	23.29		0-1	1
		1	24	23.38		0-1	1
		1	49	23.43		0-1	1
		25	0	21.93		0-2	2
		25	12	22.10		0-2	2
	64QAM	25	24	22.18		0-2	2
		50	0	22.14		0-2	2
		1	0	22.01		0-2	2
		1	24	22.37		0-2	2
		1	49	22.28		0-2	2
		25	0	20.96		0-3	3
	256QAM	25	12	21.05		0-3	3
		25	24	21.17		0-3	3
		50	0	21.11		0-3	3
		1	0	18.88		0-5	5
		1	24	19.12		0-5	5
		1	49	19.34		0-5	5
	25	0	18.97		0-5	5	
	25	12	19.00		0-5	5	
	25	24	19.17		0-5	5	
	50	0	19.10		0-5	5	

[LTE Band 25 Conducted Power_ Pmax, DSI =2,3](Head mode) Ant. B

LTE Band 25 1.4 MHz Bandwidth

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	23.95	23.77	23.34	0	0
		1	3	23.87	23.73	23.13	0	0
		1	5	23.87	23.72	22.98	0	0
		3	0	23.86	23.83	23.12	0	0
		3	1	23.78	23.77	23.06	0	0
		3	3	23.83	23.67	22.95	0	0
	16QAM	6	0	22.82	22.74	22.40	0-1	1
		1	0	23.12	23.35	22.74	0-1	1
		1	3	23.10	22.92	22.55	0-1	1
		1	5	23.22	23.17	22.34	0-1	1
		3	0	22.98	22.93	22.51	0-1	1
		3	1	23.03	22.96	22.48	0-1	1
	64QAM	3	3	23.00	22.77	22.30	0-1	1
		6	0	21.97	21.81	21.78	0-2	2
		1	0	22.17	21.84	21.93	0-2	2
		1	3	21.96	21.98	21.84	0-2	2
		1	5	22.04	22.04	21.85	0-2	2
		3	0	21.96	21.88	21.86	0-2	2
	256QAM	3	1	22.09	21.85	21.82	0-2	2
		3	3	21.93	21.86	21.76	0-2	2
		6	0	20.83	20.77	20.85	0-3	3
		1	0	18.90	18.71	19.08	0-5	5
		1	3	18.95	18.85	18.97	0-5	5
		1	5	18.84	18.75	18.99	0-5	5
		3	0	18.94	18.84	18.96	0-5	5
		3	1	18.77	18.75	18.97	0-5	5
		3	3	18.83	18.78	18.96	0-5	5
6		0	18.87	18.73	18.92	0-5	5	

LTE Band 25 3 MHz Bandwidth

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	23.76	23.60	23.79	0	0
		1	7	23.87	23.77	23.38	0	0
		1	14	23.76	23.68	22.98	0	0
		8	0	22.85	22.69	22.86	0-1	1
		8	3	22.88	22.88	22.73	0-1	1
		8	7	22.89	22.77	22.52	0-1	1
		15	0	22.93	22.80	22.67	0-1	1
	16QAM	1	0	23.14	22.89	23.12	0-1	1
		1	7	23.16	23.02	22.78	0-1	1
		1	14	23.03	23.06	22.44	0-1	1
		8	0	21.95	21.81	21.95	0-2	2
		8	3	21.95	21.93	22.05	0-2	2
		8	7	22.05	21.89	21.86	0-2	2
		15	0	21.92	21.80	21.97	0-2	2
	64QAM	1	0	21.91	21.87	22.13	0-2	2
		1	7	21.98	21.97	22.18	0-2	2
		1	14	22.03	21.90	21.88	0-2	2
		8	0	20.94	20.71	20.89	0-3	3
		8	3	20.88	20.84	20.99	0-3	3
		8	7	20.89	20.83	20.95	0-3	3
		15	0	20.88	20.77	20.92	0-3	3
	256QAM	1	0	18.95	18.70	18.92	0-5	5
		1	7	18.91	18.92	18.90	0-5	5
		1	14	18.81	18.77	18.91	0-5	5
		8	0	18.85	18.68	18.85	0-5	5
		8	3	18.86	18.77	18.95	0-5	5
		8	7	18.81	18.78	18.88	0-5	5
		15	0	18.89	18.77	18.89	0-5	5

LTE Band 25 5 MHz Bandwidth

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	23.83	23.69	23.90	0	0
		1	12	23.89	23.78	23.68	0	0
		1	24	23.73	23.65	23.08	0	0
		12	0	22.89	22.67	22.84	0-1	1
		12	6	22.95	22.80	22.98	0-1	1
		12	11	22.85	22.84	22.79	0-1	1
		25	0	22.91	22.74	22.92	0-1	1
	16QAM	1	0	23.07	23.07	23.09	0-1	1
		1	12	23.10	23.10	23.05	0-1	1
		1	24	22.96	23.09	22.49	0-1	1
		12	0	21.88	21.78	21.87	0-2	2
		12	6	21.95	21.84	21.95	0-2	2
		12	11	21.90	21.80	22.05	0-2	2
		25	0	21.91	21.77	21.94	0-2	2
	64QAM	1	0	21.99	21.90	22.32	0-2	2
		1	12	22.12	21.90	22.08	0-2	2
		1	24	21.83	21.84	21.92	0-2	2
		12	0	20.97	20.68	20.88	0-3	3
		12	6	21.01	20.77	20.94	0-3	3
		12	11	20.92	20.81	20.94	0-3	3
		25	0	20.87	20.76	20.94	0-3	3
	256QAM	1	0	18.80	18.72	18.86	0-5	5
		1	12	19.00	18.85	18.93	0-5	5
		1	24	18.82	18.76	18.96	0-5	5
		12	0	18.88	18.73	18.93	0-5	5
		12	6	18.91	18.76	19.01	0-5	5
		12	11	18.88	18.73	18.94	0-5	5
25		0	18.85	18.70	18.88	0-5	5	

LTE Band 25 10 MHz Bandwidth

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	23.83	23.79	23.87	0	0
		1	24	23.76	23.69	23.97	0	0
		1	49	23.76	23.69	23.24	0	0
		25	0	22.79	22.74	22.75	0-1	1
		25	12	22.89	22.78	22.88	0-1	1
		25	24	22.86	22.79	22.87	0-1	1
		50	0	22.93	22.78	22.82	0-1	1
	16QAM	1	0	23.09	22.81	23.03	0-1	1
		1	24	23.02	23.18	23.28	0-1	1
		1	49	23.06	22.93	22.68	0-1	1
		25	0	21.79	21.69	21.83	0-2	2
		25	12	21.93	21.81	21.82	0-2	2
		25	24	21.92	21.78	21.93	0-2	2
		50	0	21.91	21.77	21.85	0-2	2
	64QAM	1	0	21.89	21.85	22.21	0-2	2
		1	24	22.01	21.84	22.24	0-2	2
		1	49	21.92	21.70	22.08	0-2	2
		25	0	20.81	20.76	20.81	0-3	3
		25	12	20.87	20.80	20.83	0-3	3
		25	24	20.88	20.76	20.95	0-3	3
		50	0	20.89	20.82	20.89	0-3	3
	256QAM	1	0	18.78	18.65	18.84	0-5	5
		1	24	19.01	18.78	18.90	0-5	5
		1	49	18.91	18.96	19.05	0-5	5
25		0	18.79	18.67	18.80	0-5	5	
25		12	18.89	18.83	18.87	0-5	5	
25		24	18.86	18.77	18.93	0-5	5	
50		0	18.87	18.76	18.81	0-5	5	

LTE Band 25 15 MHz Bandwidth

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	23.76	23.67	23.56	0	0
		1	36	23.77	23.90	23.42	0	0
		1	74	23.74	23.41	23.31	0	0
		36	0	22.72	22.61	22.67	0-1	1
		36	18	22.77	22.65	22.64	0-1	1
		36	39	22.76	22.62	22.85	0-1	1
		75	0	22.74	22.66	22.67	0-1	1
	16QAM	1	0	23.06	22.54	22.85	0-1	1
		1	36	22.67	22.76	22.74	0-1	1
		1	74	22.97	22.50	22.82	0-1	1
		36	0	21.73	21.59	21.71	0-2	2
		36	18	21.76	21.64	21.72	0-2	2
		36	39	21.84	21.63	21.76	0-2	2
		75	0	21.77	21.63	21.73	0-2	2
	64QAM	1	0	21.78	21.71	21.69	0-2	2
		1	36	21.71	21.74	22.00	0-2	2
		1	74	21.76	21.59	21.74	0-2	2
		36	0	20.71	20.58	20.66	0-3	3
		36	18	20.78	20.64	20.57	0-3	3
		36	39	20.69	20.63	20.79	0-3	3
		75	0	20.77	20.67	20.65	0-3	3
	256QAM	1	0	18.70	18.49	18.64	0-5	5
		1	36	18.63	18.70	18.74	0-5	5
		1	74	18.90	18.63	19.02	0-5	5
		36	0	18.69	18.58	18.63	0-5	5
		36	18	18.77	18.62	18.59	0-5	5
		36	39	18.74	18.71	18.74	0-5	5
75		0	18.68	18.64	18.73	0-5	5	

LTE Band 25 20 MHz Bandwidth

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	23.52	23.82	23.84	0	0
		1	49	23.88	23.84	23.94	0	0
		1	99	23.77	23.68	23.36	0	0
		50	0	22.69	22.66	22.68	0-1	1
		50	25	22.80	22.68	22.66	0-1	1
		50	49	22.77	22.66	22.77	0-1	1
		100	0	22.79	22.68	22.76	0-1	1
	16QAM	1	0	23.31	22.71	22.78	0-1	1
		1	49	23.27	23.21	22.80	0-1	1
		1	99	22.78	23.13	22.91	0-1	1
		50	0	21.78	21.60	21.67	0-2	2
		50	25	21.83	21.76	21.68	0-2	2
		50	49	21.75	21.63	21.67	0-2	2
		100	0	21.79	21.71	21.67	0-2	2
	64QAM	1	0	21.72	21.75	21.71	0-2	2
		1	49	21.81	21.80	21.71	0-2	2
		1	99	21.48	21.67	21.72	0-2	2
		50	0	20.65	20.57	20.71	0-3	3
		50	25	20.76	20.67	20.65	0-3	3
		50	49	20.73	20.66	20.81	0-3	3
		100	0	20.76	20.69	20.60	0-3	3
	256QAM	1	0	18.89	18.67	18.55	0-5	5
		1	49	18.76	18.62	18.49	0-5	5
		1	99	18.83	18.71	18.91	0-5	5
50		0	18.65	18.62	18.63	0-5	5	
50		25	18.72	18.63	18.60	0-5	5	
50		49	18.74	18.58	18.71	0-5	5	
100		0	18.72	18.68	18.69	0-5	5	

[LTE Band 26 Conducted Power _ Pmax, DSI=0,1,2,3](Head, Body mode)Ant. A, Ant. A+B

LTE Band 26 1.4 MHz Bandwidth

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	24.53	24.51	24.66	0	0
		1	3	24.46	24.67	24.65	0	0
		1	5	24.43	24.58	24.56	0	0
		3	0	24.48	24.45	24.71	0	0
		3	1	24.46	24.45	24.74	0	0
		3	3	24.42	24.54	24.67	0	0
		6	0	23.02	23.01	23.17	0-1	1
	16QAM	1	0	23.67	23.67	23.87	0-1	1
		1	3	23.84	23.78	24.06	0-1	1
		1	5	23.64	23.81	24.00	0-1	1
		3	0	23.55	23.54	23.83	0-1	1
		3	1	23.59	23.68	23.77	0-1	1
		3	3	23.61	23.72	23.79	0-1	1
		6	0	22.58	22.57	22.71	0-2	2
	64QAM	1	0	22.65	22.70	22.70	0-2	2
		1	3	22.70	22.76	22.98	0-2	2
		1	5	22.50	22.57	23.04	0-2	2
		3	0	22.66	22.52	22.74	0-2	2
		3	1	22.54	22.60	22.89	0-2	2
		3	3	22.64	22.68	22.70	0-2	2
		6	0	21.54	21.51	21.68	0-3	3
	256QAM	1	0	19.47	19.49	19.73	0-5	5
		1	3	19.54	19.72	19.64	0-5	5
		1	5	19.48	19.47	19.70	0-5	5
		3	0	19.53	19.59	19.72	0-5	5
		3	1	19.48	19.50	19.70	0-5	5
		3	3	19.56	19.47	19.61	0-5	5
6		0	19.49	19.56	19.62	0-5	5	

LTE Band 26 3 MHz Bandwidth

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	24.42	24.46	24.58	0	0
		1	7	24.61	24.60	24.75	0	0
		1	14	24.45	24.54	24.71	0	0
		8	0	23.56	23.51	23.64	0-1	1
		8	3	23.56	23.51	23.61	0-1	1
		8	7	23.52	23.51	23.72	0-1	1
		15	0	23.52	23.54	23.59	0-1	1
	16QAM	1	0	23.66	23.74	23.82	0-1	1
		1	7	24.00	23.93	23.92	0-1	1
		1	14	23.77	23.64	23.96	0-1	1
		8	0	22.55	22.51	22.62	0-2	2
		8	3	22.54	22.49	22.68	0-2	2
		8	7	22.54	22.67	22.75	0-2	2
		15	0	22.54	22.61	22.61	0-2	2
	64QAM	1	0	22.69	22.79	22.82	0-2	2
		1	7	22.70	22.68	22.78	0-2	2
		1	14	22.67	22.58	22.84	0-2	2
		8	0	21.55	21.45	21.66	0-3	3
		8	3	21.59	21.52	21.65	0-3	3
		8	7	21.60	21.53	21.69	0-3	3
		15	0	21.54	21.59	21.68	0-3	3
	256QAM	1	0	19.36	19.42	19.51	0-5	5
		1	7	19.58	19.74	19.84	0-5	5
		1	14	19.65	19.49	19.48	0-5	5
		8	0	19.56	19.46	19.58	0-5	5
		8	3	19.58	19.50	19.60	0-5	5
		8	7	19.52	19.54	19.74	0-5	5
15		0	19.58	19.56	19.58	0-5	5	

LTE Band 26 5 MHz Bandwidth

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	24.60	24.62	24.91	0	0
		1	12	24.61	24.70	24.94	0	0
		1	24	24.55	24.62	24.69	0	0
		12	0	23.42	23.50	23.66	0-1	1
		12	6	23.55	23.47	23.77	0-1	1
		12	11	23.50	23.63	23.62	0-1	1
		25	0	23.59	23.57	23.65	0-1	1
	16QAM	1	0	23.73	23.80	23.89	0-1	1
		1	12	23.67	23.80	23.88	0-1	1
		1	24	23.82	23.77	23.77	0-1	1
		12	0	22.49	22.51	22.62	0-2	2
		12	6	22.55	22.50	22.72	0-2	2
		12	11	22.51	22.54	22.76	0-2	2
		25	0	22.47	22.55	22.69	0-2	2
	64QAM	1	0	22.84	22.72	22.76	0-2	2
		1	12	22.76	22.87	22.92	0-2	2
		1	24	22.49	22.68	22.87	0-2	2
		12	0	21.45	21.53	21.58	0-3	3
		12	6	21.51	21.55	21.77	0-3	3
		12	11	21.53	21.50	21.71	0-3	3
		25	0	21.49	21.57	21.62	0-3	3
	256QAM	1	0	19.38	19.56	19.69	0-5	5
		1	12	19.68	19.66	19.83	0-5	5
		1	24	19.40	19.51	19.71	0-5	5
12		0	19.38	19.49	19.48	0-5	5	
12		6	19.53	19.58	19.69	0-5	5	
12		11	19.47	19.58	19.63	0-5	5	
25		0	19.49	19.49	19.69	0-5	5	

LTE Band 26 10 MHz Bandwidth

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	24.59	24.76	24.59	0	0
		1	24	24.52	24.66	25.19	0	0
		1	49	24.50	24.70	24.68	0	0
		25	0	23.46	23.49	23.51	0-1	1
		25	12	23.58	23.50	23.77	0-1	1
		25	24	23.46	23.66	23.70	0-1	1
		50	0	23.53	23.61	23.71	0-1	1
	16QAM	1	0	23.72	23.81	23.85	0-1	1
		1	24	23.70	23.82	23.85	0-1	1
		1	49	23.78	23.80	24.15	0-1	1
		25	0	22.44	22.55	22.60	0-2	2
		25	12	22.55	22.52	22.75	0-2	2
		25	24	22.54	22.62	22.73	0-2	2
		50	0	22.60	22.58	22.70	0-2	2
	64QAM	1	0	22.72	22.85	23.01	0-2	2
		1	24	22.79	22.70	22.96	0-2	2
		1	49	22.59	22.79	22.82	0-2	2
		25	0	21.47	21.53	21.61	0-3	3
		25	12	21.59	21.54	21.75	0-3	3
		25	24	21.51	21.64	21.67	0-3	3
		50	0	21.47	21.63	21.70	0-3	3
	256QAM	1	0	19.58	19.58	19.56	0-5	5
		1	24	19.41	19.64	19.74	0-5	5
		1	49	19.52	19.47	19.64	0-5	5
25		0	19.42	19.47	19.63	0-5	5	
25		12	19.55	19.44	19.71	0-5	5	
25		24	19.43	19.53	19.61	0-5	5	
50		0	19.51	19.56	19.68	0-5	5	

LTE Band 26 15 MHz Bandwidth

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	24.27	0	0
		1	36	24.34	0	0
		1	74	24.37	0	0
		36	0	23.42	0-1	1
		36	18	23.37	0-1	1
		36	39	23.39	0-1	1
		75	0	23.40	0-1	1
	16QAM	1	0	23.73	0-1	1
		1	36	23.46	0-1	1
		1	74	24.15	0-1	1
		36	0	22.37	0-2	2
		36	18	22.33	0-2	2
		36	39	22.45	0-2	2
		75	0	22.41	0-2	2
	64QAM	1	0	22.49	0-2	2
		1	36	22.46	0-2	2
		1	74	22.57	0-2	2
		36	0	21.47	0-3	3
		36	18	21.31	0-3	3
		36	39	21.37	0-3	3
		75	0	21.46	0-3	3
	256QAM	1	0	19.33	0-5	5
		1	36	19.49	0-5	5
		1	74	19.55	0-5	5
		36	0	19.33	0-5	5
		36	18	19.32	0-5	5
		36	39	19.33	0-5	5
		75	0	19.50	0-5	5

[LTE Band 41 Conducted Power_ Pmax, DSI=2,3] - Power Class 3(Head mode) Ant.B

LTE Band 41_ 5 MHz Bandwidth - Power Class 3

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per GPP [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	23.20	22.81	23.16	23.71	23.46	0	0
		1	12	23.26	22.95	23.34	23.75	23.53	0	0
		1	24	23.14	22.85	23.23	23.71	23.39	0	0
		12	0	22.22	21.91	22.25	22.80	22.55	0-1	1
		12	6	22.26	21.95	22.34	22.86	22.60	0-1	1
		12	11	22.13	21.92	22.32	22.84	22.56	0-1	1
	16QAM	25	0	22.16	21.91	22.30	22.81	22.52	0-1	1
		1	0	22.14	21.87	22.15	22.76	22.48	0-1	1
		1	12	22.21	21.82	22.26	22.92	22.58	0-1	1
		1	24	22.03	21.78	22.23	22.72	22.46	0-1	1
		12	0	21.23	20.89	21.25	21.82	21.52	0-2	2
		12	6	21.27	20.92	21.31	21.88	21.59	0-2	2
	64QAM	12	11	21.13	20.89	21.31	21.80	21.55	0-2	2
		25	0	21.16	20.91	21.29	21.82	21.53	0-2	2
		1	0	21.33	20.94	21.27	21.84	21.51	0-2	2
		1	12	21.37	20.98	21.40	21.83	21.59	0-2	2
		1	24	21.26	20.93	21.35	21.75	21.43	0-2	2
		12	0	20.25	19.88	20.16	20.85	20.52	0-3	3
	256QAM	12	6	20.25	19.86	20.33	20.88	20.57	0-3	3
		12	11	20.16	19.92	20.30	20.81	20.50	0-3	3
		25	0	20.15	19.91	20.27	20.81	20.53	0-3	3
		1	0	18.18	17.80	18.14	18.72	18.33	0-5	5
		1	12	18.23	17.92	18.40	18.76	18.50	0-5	5
		1	24	18.15	17.76	18.30	18.80	18.48	0-5	5
		12	0	18.25	17.93	18.26	18.80	18.49	0-5	5
12		6	18.26	17.95	18.36	18.85	18.53	0-5	5	
12		11	18.16	17.95	18.37	18.85	18.51	0-5	5	
25		0	18.19	17.90	18.33	18.83	18.53	0-5	5	

LTE Band 41 _ 10 MHz Bandwidth - Power Class 3

Band width	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	23.18	22.87	23.21	23.69	23.42	0	0
		1	24	23.23	22.91	23.29	23.80	23.43	0	0
		1	49	23.20	22.86	23.36	23.74	23.33	0	0
		25	0	22.28	21.92	22.25	22.85	22.56	0-1	1
		25	12	22.25	21.95	22.36	22.86	22.56	0-1	1
		25	24	22.13	21.84	22.35	22.83	22.52	0-1	1
	16QAM	50	0	22.24	21.92	22.33	22.86	22.56	0-1	1
		1	0	22.21	21.88	22.12	22.78	22.47	0-1	1
		1	24	22.19	21.98	22.28	22.84	22.44	0-1	1
		1	49	22.13	21.81	22.30	22.77	22.39	0-1	1
		25	0	21.26	20.90	21.27	21.86	21.57	0-2	2
		25	12	21.29	20.96	21.38	21.86	21.59	0-2	2
	64QAM	25	24	21.14	20.86	21.35	21.86	21.53	0-2	2
		50	0	21.25	20.92	21.31	21.84	21.59	0-2	2
		1	0	21.27	20.99	21.32	21.86	21.60	0-2	2
		1	24	21.32	20.92	21.36	21.89	21.50	0-2	2
		1	49	21.22	20.91	21.42	21.83	21.55	0-2	2
		25	0	20.26	19.93	20.26	20.86	20.59	0-3	3
	256QAM	25	12	20.24	19.92	20.36	20.88	20.56	0-3	3
		25	24	20.13	19.86	20.34	20.85	20.54	0-3	3
		50	0	20.24	19.91	20.32	20.84	20.57	0-3	3
		1	0	18.28	17.92	18.15	18.85	18.40	0-5	5
		1	24	18.23	17.86	18.38	18.82	18.49	0-5	5
		1	49	17.97	17.75	18.25	18.61	18.45	0-5	5
		25	0	18.25	17.93	18.28	18.84	18.56	0-5	5
		25	12	18.28	17.93	18.39	18.85	18.59	0-5	5
		25	24	18.17	17.86	18.32	18.82	18.55	0-5	5
50		0	18.27	17.94	18.32	18.83	18.53	0-5	5	

LTE Band 41 _ 15 Mhz Bandwidth- Power Class 3

Band width	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	23.01	22.69	23.00	23.58	23.32	0	0
		1	36	23.06	22.68	23.06	23.52	23.22	0	0
		1	74	22.97	22.70	23.14	23.54	23.19	0	0
		36	0	22.10	21.82	22.11	22.71	22.43	0-1	1
		36	18	22.14	21.79	22.19	22.68	22.36	0-1	1
		36	39	21.97	21.71	22.21	22.64	22.33	0-1	1
		75	0	22.02	21.79	22.21	22.66	22.38	0-1	1
	16QAM	1	0	22.17	21.73	22.09	22.68	22.30	0-1	1
		1	36	21.96	21.65	22.12	22.70	22.36	0-1	1
		1	74	21.84	21.66	22.23	22.59	22.29	0-1	1
		36	0	21.13	20.80	21.13	21.69	21.39	0-2	2
		36	18	21.11	20.80	21.19	21.70	21.35	0-2	2
		36	39	20.96	20.66	21.21	21.67	21.35	0-2	2
		75	0	21.04	20.76	21.20	21.70	21.38	0-2	2
	64QAM	1	0	21.20	20.79	21.09	21.67	21.47	0-2	2
		1	36	21.11	20.72	21.21	21.59	21.37	0-2	2
		1	74	21.11	20.75	21.29	21.67	21.34	0-2	2
		36	0	20.10	19.82	20.10	20.69	20.41	0-3	3
		36	18	20.09	19.80	20.17	20.67	20.40	0-3	3
		36	39	19.97	19.67	20.19	20.68	20.34	0-3	3
		75	0	20.02	19.81	20.22	20.71	20.41	0-3	3
	256QAM	1	0	18.05	17.61	17.96	18.51	18.36	0-5	5
		1	36	18.11	17.63	18.16	18.59	18.27	0-5	5
		1	74	17.96	17.53	18.26	18.63	18.24	0-5	5
		36	0	18.10	17.80	18.08	18.73	18.43	0-5	5
		36	18	18.12	17.76	18.18	18.71	18.43	0-5	5
		36	39	18.09	17.67	18.19	18.63	18.39	0-5	5
		75	0	18.06	17.76	18.21	18.73	18.41	0-5	5

LTE Band 41 _ 20 MHz Bandwidth - Power Class 3

Band width	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	22.99	22.69	23.00	23.57	23.34	0	0
		1	49	23.02	22.65	23.05	23.53	23.24	0	0
		1	99	22.86	22.59	23.21	23.51	23.17	0	0
		50	0	22.15	21.83	22.11	22.72	22.41	0-1	1
		50	25	22.11	21.80	22.20	22.71	22.39	0-1	1
		50	49	22.00	21.68	22.27	22.67	22.34	0-1	1
	16QAM	100	0	22.04	21.80	22.19	22.68	22.37	0-1	1
		1	0	22.03	21.66	22.10	22.67	22.41	0-1	1
		1	49	22.11	21.76	22.10	22.95	22.44	0-1	1
		1	99	21.86	21.56	22.32	22.63	22.28	0-1	1
		50	0	21.14	20.83	21.15	21.73	21.39	0-2	2
		50	25	21.13	20.78	21.18	21.72	21.37	0-2	2
	64QAM	50	49	20.97	20.64	21.28	21.70	21.35	0-2	2
		100	0	21.01	20.77	21.20	21.67	21.40	0-2	2
		1	0	21.18	20.81	21.14	21.77	21.36	0-2	2
		1	49	21.19	20.82	21.22	21.77	21.40	0-2	2
		1	99	20.92	20.68	21.27	21.71	21.33	0-2	2
		50	0	20.13	19.81	20.12	20.71	20.46	0-3	3
	256QAM	50	25	20.10	19.81	20.22	20.70	20.39	0-3	3
		50	49	20.02	19.67	20.27	20.71	20.36	0-3	3
		100	0	20.01	19.78	20.14	20.68	20.39	0-3	3
		1	0	18.05	17.68	18.13	18.75	18.47	0-5	5
		1	49	17.94	17.66	18.16	18.57	18.28	0-5	5
		1	99	17.89	17.68	18.15	18.66	18.29	0-5	5
		50	0	18.13	17.79	18.12	18.70	18.45	0-5	5
		50	25	18.17	17.80	18.21	18.73	18.42	0-5	5
		50	49	18.05	17.69	18.24	18.72	18.36	0-5	5
		100	0	18.07	17.79	18.22	18.71	18.42	0-5	5

Note; LTE Band 41 has 5 required test channels per FCC KDB 447498 D04v01.

[LTE Band 41 Conducted Power _ Pmax, DSI=2,3] - Power Class 2(Head mode) Ant. B

LTE Band 41 _ 5 MHz Bandwidth - Power Class 2

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per GPP [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	24.91	24.53	24.93	25.52	25.19	0	0
		1	12	24.87	24.64	25.11	25.58	25.28	0	0
		1	24	24.83	24.52	24.98	25.53	25.18	0	0
		12	0	23.94	23.66	23.93	24.54	24.27	0-1	1
		12	6	23.96	23.69	24.08	24.58	24.31	0-1	1
		12	11	23.87	23.62	24.04	24.53	24.24	0-1	1
	16QAM	25	0	23.87	23.62	24.03	24.55	24.24	0-1	1
		1	0	24.34	23.90	24.20	24.79	24.49	0-1	1
		1	12	24.23	23.86	24.25	25.00	24.48	0-1	1
		1	24	24.13	23.78	24.23	24.81	24.46	0-1	1
		12	0	23.00	22.70	22.98	23.64	23.26	0-2	2
		12	6	23.00	22.68	23.12	23.61	23.34	0-2	2
	64QAM	12	11	22.86	22.70	23.08	23.61	23.29	0-2	2
		25	0	22.91	22.69	23.08	23.58	23.25	0-2	2
		1	0	23.24	22.85	23.33	23.79	23.43	0-2	2
		1	12	23.24	22.99	23.30	23.96	23.52	0-2	2
		1	24	23.18	22.94	23.26	23.76	23.65	0-2	2
		12	0	22.05	21.71	22.02	22.61	22.29	0-3	3
	256QAM	12	6	22.00	21.72	22.08	22.65	22.33	0-3	3
		12	11	21.93	21.71	22.08	22.55	22.27	0-3	3
		25	0	21.87	21.66	22.06	22.59	22.26	0-3	3
		1	0	20.07	19.87	20.07	20.54	20.34	0-5	5
		1	12	20.14	19.90	20.21	20.78	20.36	0-5	5
		1	24	19.93	19.53	20.19	20.63	20.40	0-5	5
		12	0	20.00	19.71	20.05	20.61	20.29	0-5	5
12		6	19.98	19.71	20.15	20.61	20.35	0-5	5	
12		11	19.91	19.71	20.12	20.60	20.28	0-5	5	
25		0	19.87	19.68	20.06	20.57	20.29	0-5	5	

LTE Band 41 _ 10 MHz Bandwidth - Power Class 2

Band width	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	24.91	24.65	25.03	25.56	25.28	0	0
		1	24	24.91	24.66	25.06	25.54	25.24	0	0
		1	49	24.83	24.57	25.08	25.48	25.13	0	0
		25	0	23.97	23.67	23.97	24.58	24.28	0-1	1
		25	12	23.98	23.67	24.08	24.60	24.27	0-1	1
		25	24	23.85	23.59	24.07	24.59	24.25	0-1	1
	16QAM	50	0	23.96	23.66	24.02	24.58	24.25	0-1	1
		1	0	24.38	23.86	24.23	24.74	24.50	0-1	1
		1	24	24.22	23.86	24.28	24.85	24.57	0-1	1
		1	49	24.14	23.86	24.30	24.77	24.43	0-1	1
		25	0	22.98	22.67	22.97	23.56	23.30	0-2	2
		25	12	22.98	22.72	23.13	23.58	23.34	0-2	2
	64QAM	25	24	22.90	22.61	23.07	23.61	23.22	0-2	2
		50	0	22.97	22.69	23.02	23.59	23.27	0-2	2
		1	0	23.24	22.94	23.29	23.92	23.56	0-2	2
		1	24	23.21	23.03	23.43	23.90	23.58	0-2	2
		1	49	23.38	22.91	23.35	23.89	23.56	0-2	2
		25	0	22.01	21.72	21.97	22.58	22.31	0-3	3
	256QAM	25	12	22.01	21.69	22.10	22.59	22.33	0-3	3
		25	24	21.92	21.60	22.07	22.60	22.27	0-3	3
		50	0	21.96	21.67	22.08	22.59	22.27	0-3	3
		1	0	20.07	19.82	20.06	20.67	20.38	0-5	5
		1	24	20.07	19.82	20.27	20.61	20.41	0-5	5
		1	49	20.06	19.71	20.37	20.70	20.38	0-5	5
		25	0	20.00	19.69	20.08	20.60	20.34	0-5	5
		25	12	20.03	19.76	20.11	20.64	20.29	0-5	5
		25	24	19.92	19.60	20.13	20.59	20.27	0-5	5
		50	0	19.99	19.72	20.11	20.62	20.30	0-5	5

LTE Band 41 _ 15 MHz Bandwidth- Power Class 2

Band width	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	24.80	24.53	24.84	25.42	25.15	0	0
		1	36	24.63	24.35	24.72	25.27	24.93	0	0
		1	74	24.71	24.48	24.99	25.21	24.94	0	0
		36	0	23.84	23.52	23.84	24.44	24.12	0-1	1
		36	18	23.83	23.55	23.89	24.42	24.11	0-1	1
		36	39	23.69	23.44	23.93	24.40	24.09	0-1	1
		75	0	23.75	23.51	23.94	24.45	24.12	0-1	1
	16QAM	1	0	24.26	23.69	23.95	24.70	24.36	0-1	1
		1	36	24.02	23.60	24.08	24.73	24.28	0-1	1
		1	74	23.84	23.64	24.09	24.62	24.39	0-1	1
		36	0	22.86	22.55	22.85	23.46	23.21	0-2	2
		36	18	22.84	22.59	22.91	23.44	23.13	0-2	2
		36	39	22.71	22.45	22.91	23.45	23.10	0-2	2
		75	0	22.73	22.51	22.98	23.40	23.12	0-2	2
	64QAM	1	0	22.99	22.85	23.10	23.63	23.46	0-2	2
		1	36	23.17	22.79	23.13	23.71	23.31	0-2	2
		1	74	22.99	22.75	23.23	23.67	23.36	0-2	2
		36	0	21.87	21.58	21.85	22.47	22.20	0-3	3
		36	18	21.82	21.55	21.93	22.44	22.12	0-3	3
		36	39	21.75	21.47	21.97	22.45	22.09	0-3	3
		75	0	21.76	21.55	21.94	22.46	22.14	0-3	3
	256QAM	1	0	19.76	19.65	19.82	20.64	20.35	0-5	5
		1	36	20.03	19.71	20.00	20.65	20.23	0-5	5
		1	74	19.94	19.53	20.14	20.49	20.24	0-5	5
		36	0	19.89	19.53	19.85	20.50	20.21	0-5	5
		36	18	19.89	19.52	19.93	20.46	20.22	0-5	5
		36	39	19.80	19.45	19.95	20.46	20.17	0-5	5
		75	0	19.79	19.56	19.95	20.49	20.14	0-5	5

LTE Band 41 _ 20 MHz Bandwidth - Power Class 2

Band width	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	24.70	24.48	24.87	25.57	25.30	0	0
		1	49	24.81	24.55	24.75	25.34	25.05	0	0
		1	99	24.61	24.34	24.99	25.43	25.02	0	0
		50	0	23.87	23.57	23.86	24.45	24.15	0-1	1
		50	25	23.85	23.56	23.93	24.45	24.09	0-1	1
		50	49	23.71	23.41	23.98	24.47	24.10	0-1	1
	16QAM	100	0	23.78	23.56	23.96	24.47	24.11	0-1	1
		1	0	24.16	23.85	24.01	24.68	24.48	0-1	1
		1	49	24.16	23.66	24.20	24.91	24.28	0-1	1
		1	99	23.75	23.62	24.16	24.62	24.41	0-1	1
		50	0	22.89	22.55	22.90	23.47	23.17	0-2	2
		50	25	22.87	22.55	22.93	23.48	23.14	0-2	2
	64QAM	50	49	22.70	22.44	22.99	23.47	23.15	0-2	2
		100	0	22.74	22.52	22.94	23.47	23.12	0-2	2
		1	0	23.14	22.84	23.13	23.72	23.42	0-2	2
		1	49	23.12	22.82	23.28	23.68	23.30	0-2	2
		1	99	22.92	22.63	23.25	23.69	23.35	0-2	2
		50	0	21.92	21.54	21.89	22.47	22.14	0-3	3
	256QAM	50	25	21.84	21.53	21.98	22.47	22.16	0-3	3
		50	49	21.72	21.45	21.97	22.42	22.10	0-3	3
		100	0	21.76	21.55	21.98	22.44	22.15	0-3	3
		1	0	20.04	19.68	19.90	20.75	20.41	0-5	5
		1	49	20.02	19.66	20.02	20.46	20.20	0-5	5
		1	99	19.81	19.64	20.21	20.51	20.25	0-5	5
		50	0	19.91	19.57	19.85	20.50	20.19	0-5	5
		50	25	19.89	19.57	19.95	20.52	20.18	0-5	5
		50	49	19.80	19.46	20.00	20.51	20.12	0-5	5
		100	0	19.82	19.56	19.97	20.52	20.22	0-5	5

Note; LTE Band 41 has 5 required test channels per FCC KDB 447498 D04v01.

[LTE Band 66 Conducted Power_ Pmax, DSI=2,3](Head mode) Ant. B

LTE Band 66 _ 1.4 Mhz Bandwidth

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	23.88	24.14	24.27	0	0
		1	3	23.83	24.25	24.26	0	0
		1	5	23.82	24.10	24.24	0	0
		3	0	23.79	24.05	24.30	0	0
		3	1	23.87	24.05	24.32	0	0
		3	3	23.85	23.98	24.38	0	0
	16QAM	6	0	22.86	23.06	23.35	0-1	1
		1	0	23.06	23.28	23.59	0-1	1
		1	3	23.06	23.36	23.53	0-1	1
		1	5	22.95	23.10	23.71	0-1	1
		3	0	23.08	23.27	23.47	0-1	1
		3	1	23.16	23.26	23.42	0-1	1
	64QAM	3	3	23.05	23.29	23.33	0-1	1
		6	0	21.96	22.09	22.32	0-2	2
		1	0	22.02	22.07	22.81	0-2	2
		1	3	21.96	22.27	22.58	0-2	2
		1	5	22.07	22.33	22.35	0-2	2
		3	0	22.03	22.14	22.45	0-2	2
	256QAM	3	1	21.88	22.18	22.51	0-2	2
		3	3	21.93	22.18	22.41	0-2	2
		6	0	20.86	21.15	21.34	0-3	3
		1	0	18.88	19.14	19.36	0-5	5
		1	3	19.04	19.20	19.45	0-5	5
		1	5	18.88	19.18	19.23	0-5	5
		3	0	18.95	19.14	19.37	0-5	5
		3	1	18.87	19.06	19.36	0-5	5
		3	3	18.91	19.21	19.33	0-5	5
		6	0	18.89	19.16	19.35	0-5	5

LTE Band 66 _ 3 MHz Bandwidth

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	23.76	23.94	24.20	0	0
		1	7	23.82	23.92	24.15	0	0
		1	14	23.82	24.01	24.14	0	0
		8	0	22.81	22.98	23.24	0-1	1
		8	3	22.95	23.00	23.33	0-1	1
		8	7	22.89	23.07	23.32	0-1	1
	16QAM	15	0	22.85	22.98	23.24	0-1	1
		1	0	23.03	23.33	23.52	0-1	1
		1	7	23.12	23.33	23.71	0-1	1
		1	14	22.98	23.18	23.53	0-1	1
		8	0	21.90	22.06	22.28	0-2	2
		8	3	21.94	22.12	22.37	0-2	2
	64QAM	8	7	21.91	22.10	22.29	0-2	2
		15	0	21.89	21.99	22.30	0-2	2
		1	0	21.90	22.06	22.65	0-2	2
		1	7	22.05	22.23	22.54	0-2	2
		1	14	21.97	22.23	22.54	0-2	2
		8	0	20.93	21.02	21.15	0-3	3
	256QAM	8	3	20.87	21.18	21.42	0-3	3
		8	7	20.93	21.05	21.35	0-3	3
		15	0	20.91	20.97	21.20	0-3	3
		1	0	18.70	19.06	19.12	0-5	5
		1	7	18.90	19.18	19.49	0-5	5
		1	14	18.81	19.09	19.39	0-5	5
		8	0	18.84	19.02	19.19	0-5	5
		8	3	18.92	19.06	19.24	0-5	5
		8	7	18.89	19.05	19.26	0-5	5
		15	0	18.86	18.99	19.15	0-5	5

LTE Band 66 _ 5 MHz Bandwidth

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	23.90	23.83	24.10	0	0
		1	12	23.91	24.06	24.30	0	0
		1	24	23.85	23.95	24.19	0	0
		12	0	22.82	22.95	23.21	0-1	1
		12	6	22.91	23.04	23.28	0-1	1
		12	11	22.83	23.04	23.30	0-1	1
	16QAM	25	0	22.89	22.97	23.19	0-1	1
		1	0	23.16	23.25	23.55	0-1	1
		1	12	23.02	23.39	23.48	0-1	1
		1	24	23.01	23.30	23.32	0-1	1
		12	0	21.80	22.00	22.21	0-2	2
		12	6	21.90	22.03	22.20	0-2	2
	64QAM	12	11	21.91	22.11	22.34	0-2	2
		25	0	21.83	22.03	22.20	0-2	2
		1	0	21.99	22.09	22.35	0-2	2
		1	12	22.11	22.10	22.44	0-2	2
		1	24	21.89	22.16	22.33	0-2	2
		12	0	20.74	20.58	21.25	0-3	3
	256QAM	12	6	20.92	21.04	21.18	0-3	3
		12	11	20.88	21.09	21.32	0-3	3
		25	0	20.88	20.97	21.18	0-3	3
		1	0	18.82	18.93	19.21	0-5	5
		1	12	18.98	19.06	19.38	0-5	5
		1	24	18.83	19.16	19.42	0-5	5
		12	0	18.83	18.98	19.14	0-5	5
		12	6	18.86	19.09	19.22	0-5	5
		12	11	18.90	19.09	19.29	0-5	5
	25	0	18.81	18.99	19.25	0-5	5	

LTE Band 66 _ 10 MHz Bandwidth

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	23.76	24.06	24.13	0	0
		1	24	23.88	23.98	24.25	0	0
		1	49	23.80	23.98	24.21	0	0
		25	0	22.81	23.03	23.17	0-1	1
		25	12	22.84	22.98	23.24	0-1	1
		25	24	22.93	23.09	23.32	0-1	1
	16QAM	50	0	22.87	22.93	23.23	0-1	1
		1	0	23.51	23.37	23.36	0-1	1
		1	24	23.08	23.19	23.44	0-1	1
		1	49	23.15	23.14	23.56	0-1	1
		25	0	21.83	21.99	22.18	0-2	2
		25	12	21.87	21.95	22.25	0-2	2
	64QAM	25	24	21.83	22.00	22.29	0-2	2
		50	0	21.86	22.03	22.27	0-2	2
		1	0	21.78	22.31	22.22	0-2	2
		1	24	21.98	22.08	22.41	0-2	2
		1	49	21.95	22.09	22.46	0-2	2
		25	0	20.82	20.94	21.20	0-3	3
	256QAM	25	12	20.87	20.97	21.21	0-3	3
		25	24	20.85	21.05	21.24	0-3	3
		50	0	20.83	20.95	21.16	0-3	3
		1	0	18.86	19.03	19.20	0-5	5
		1	24	18.97	19.10	19.31	0-5	5
		1	49	18.93	18.99	19.21	0-5	5
		25	0	18.79	18.93	19.15	0-5	5
		25	12	18.83	19.03	19.10	0-5	5
		25	24	18.85	19.08	19.27	0-5	5
		50	0	18.84	18.91	19.17	0-5	5

LTE Band 66 _ 15 MHz Bandwidth

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	23.59	24.17	24.45	0	0
		1	36	23.68	23.91	23.87	0	0
		1	74	23.87	23.67	24.13	0	0
		36	0	22.66	22.81	23.00	0-1	1
		36	18	22.74	22.75	23.00	0-1	1
		36	39	22.70	22.87	23.05	0-1	1
	16QAM	75	0	22.72	22.81	22.97	0-1	1
		1	0	22.66	23.06	23.28	0-1	1
		1	36	22.76	22.99	23.14	0-1	1
		1	74	22.90	22.96	23.07	0-1	1
		36	0	21.64	21.77	21.95	0-2	2
		36	18	21.75	21.74	22.03	0-2	2
	64QAM	36	39	21.76	21.90	22.12	0-2	2
		75	0	21.73	21.80	22.01	0-2	2
		1	0	21.91	22.15	22.01	0-2	2
		1	36	21.88	21.93	22.21	0-2	2
		1	74	21.84	22.08	22.22	0-2	2
		36	0	20.60	20.82	21.02	0-3	3
	256QAM	36	18	20.81	20.87	20.97	0-3	3
		36	39	20.75	20.80	21.07	0-3	3
		75	0	20.78	20.84	20.95	0-3	3
		1	0	18.72	18.76	19.04	0-5	5
		1	36	18.94	18.99	19.06	0-5	5
		1	74	18.78	19.04	19.23	0-5	5
		36	0	18.66	18.76	19.00	0-5	5
		36	18	18.69	18.77	19.01	0-5	5
		36	39	18.76	18.92	19.02	0-5	5
	75	0	18.68	18.86	19.01	0-5	5	

LTE Band 66 _ 20 MHz Bandwidth

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	23.80	23.69	23.65	0	0
		1	49	23.89	23.78	23.86	0	0
		1	99	24.08	23.88	23.84	0	0
		50	0	22.66	22.81	22.99	0-1	1
		50	25	22.76	22.77	22.94	0-1	1
		50	49	22.65	22.85	23.02	0-1	1
	16QAM	100	0	22.72	22.72	22.98	0-1	1
		1	0	23.01	23.11	23.09	0-1	1
		1	49	22.81	23.02	23.89	0-1	1
		1	99	23.19	23.08	23.34	0-1	1
		50	0	21.64	21.84	22.01	0-2	2
		50	25	21.71	21.81	22.01	0-2	2
	64QAM	50	49	21.79	21.84	22.07	0-2	2
		100	0	21.76	21.78	21.96	0-2	2
		1	0	21.62	22.06	21.97	0-2	2
		1	49	21.87	21.91	22.24	0-2	2
		1	99	21.96	21.91	22.18	0-2	2
		50	0	20.64	20.80	20.93	0-3	3
	256QAM	50	25	20.74	20.82	21.01	0-3	3
		50	49	20.65	20.88	21.06	0-3	3
		100	0	20.73	20.84	21.00	0-3	3
		1	0	18.71	18.92	19.08	0-5	5
		1	49	18.80	18.89	18.95	0-5	5
		1	99	18.78	18.90	19.37	0-5	5
		50	0	18.67	18.82	18.99	0-5	5
		50	25	18.68	18.79	18.96	0-5	5
		50	49	18.75	18.91	19.11	0-5	5
		100	0	18.65	18.74	18.92	0-5	5

[LTE Band 2 Conducted Power _ DSI=2,3](Head mode) Ant. F

LTE Band 2 _ 1.4 MHz Bandwidth

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	22.36	22.34	22.77	0	0
		1	3	22.47	22.35	22.76	0	0
		1	5	22.34	22.40	22.74	0	0
		3	0	22.35	22.39	22.77	0	0
		3	1	22.40	22.39	22.80	0	0
		3	3	22.41	22.34	22.78	0	0
		6	0	22.43	22.39	22.80	0-1	0
	16QAM	1	0	22.62	22.60	23.05	0-1	0
		1	3	22.56	22.70	23.02	0-1	0
		1	5	22.60	22.46	23.17	0-1	0
		3	0	22.48	22.43	22.89	0-1	0
		3	1	22.57	22.44	22.80	0-1	0
		3	3	22.55	22.59	22.93	0-1	0
		6	0	21.97	21.87	22.27	0-2	0
	64QAM	1	0	22.02	22.20	22.57	0-2	0.5
		1	3	21.96	22.02	22.39	0-2	0.5
		1	5	22.05	21.90	22.42	0-2	0.5
		3	0	22.05	21.97	22.26	0-2	0.5
		3	1	22.04	22.04	22.39	0-2	0.5
		3	3	21.97	21.98	22.49	0-2	0.5
		6	0	20.92	20.90	21.34	0-3	1.5
	256QAM	1	0	18.96	18.92	19.43	0-5	3.5
		1	3	18.97	18.93	19.33	0-5	3.5
		1	5	18.97	18.91	19.23	0-5	3.5
		3	0	18.98	18.88	19.37	0-5	3.5
		3	1	18.93	18.97	19.24	0-5	3.5
		3	3	18.95	18.87	19.35	0-5	3.5
6		0	18.89	18.91	19.27	0-5	3.5	

LTE Band 2 _ 3 MHz Bandwidth

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	22.26	22.31	22.75	0	0
		1	7	22.45	22.44	22.71	0	0
		1	14	22.30	22.27	22.70	0	0
		8	0	22.43	22.33	22.67	0-1	0
		8	3	22.42	22.38	22.74	0-1	0
		8	7	22.39	22.40	22.80	0-1	0
		15	0	22.42	22.35	22.74	0-1	0
	16QAM	1	0	22.75	22.33	22.89	0-1	0
		1	7	22.90	22.66	22.92	0-1	0
		1	14	22.58	22.65	22.95	0-1	0
		8	0	21.87	21.92	22.18	0-2	0
		8	3	21.90	21.98	22.27	0-2	0
		8	7	21.96	21.92	22.26	0-2	0
		15	0	21.92	21.94	22.29	0-2	0
	64QAM	1	0	21.90	22.01	22.42	0-2	0.5
		1	7	22.11	22.02	22.44	0-2	0.5
		1	14	22.22	21.95	22.37	0-2	0.5
		8	0	20.88	20.91	21.24	0-3	1.5
		8	3	20.93	20.98	21.26	0-3	1.5
		8	7	20.92	20.94	21.35	0-3	1.5
		15	0	20.90	20.89	21.29	0-3	1.5
	256QAM	1	0	18.84	18.88	19.14	0-5	3.5
		1	7	18.94	19.06	19.33	0-5	3.5
		1	14	18.89	18.88	19.33	0-5	3.5
		8	0	18.97	18.90	19.23	0-5	3.5
		8	3	18.95	18.95	19.26	0-5	3.5
		8	7	18.96	18.90	19.27	0-5	3.5
		15	0	18.86	18.93	19.24	0-5	3.5

LTE Band 2_ 5 MHz Bandwidth

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	22.33	22.37	22.74	0	0
		1	12	22.37	22.46	22.79	0	0
		1	24	22.41	22.32	22.77	0	0
		12	0	22.44	22.36	22.61	0-1	0
		12	6	22.42	22.43	22.82	0-1	0
		12	11	22.40	22.41	22.74	0-1	0
		25	0	22.41	22.42	22.70	0-1	0
	16QAM	1	0	22.61	22.62	22.99	0-1	0
		1	12	22.63	22.84	23.16	0-1	0
		1	24	22.51	22.58	22.90	0-1	0
		12	0	21.99	21.92	22.25	0-2	0
		12	6	21.98	21.92	22.33	0-2	0
		12	11	21.92	21.96	22.32	0-2	0
		25	0	21.94	21.89	22.28	0-2	0
	64QAM	1	0	22.06	21.98	22.28	0-2	0.5
		1	12	22.34	22.01	22.29	0-2	0.5
		1	24	22.19	22.02	22.38	0-2	0.5
		12	0	20.97	20.92	21.22	0-3	1.5
		12	6	20.99	20.95	21.31	0-3	1.5
		12	11	20.97	20.90	21.30	0-3	1.5
		25	0	20.89	20.90	21.21	0-3	1.5
	256QAM	1	0	18.95	18.86	19.21	0-5	3.5
		1	12	19.10	18.93	19.45	0-5	3.5
		1	24	18.99	19.14	19.32	0-5	3.5
		12	0	18.92	18.88	19.20	0-5	3.5
		12	6	19.01	18.94	19.37	0-5	3.5
		12	11	19.00	18.95	19.30	0-5	3.5
		25	0	18.92	19.00	19.21	0-5	3.5

LTE Band 2 _ 10 MHz Bandwidth

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	22.47	22.39	22.87	0	0
		1	24	22.44	22.49	22.80	0	0
		1	49	22.40	22.41	22.76	0	0
		25	0	22.44	22.43	22.67	0-1	0
		25	12	22.49	22.49	22.74	0-1	0
		25	24	22.45	22.49	22.79	0-1	0
	16QAM	50	0	22.42	22.46	22.79	0-1	0
		1	0	22.60	22.68	23.03	0-1	0
		1	24	22.59	22.66	23.11	0-1	0
		1	49	22.69	22.55	22.89	0-1	0
		25	0	21.91	21.91	22.19	0-2	0
		25	12	22.02	21.96	22.24	0-2	0
	64QAM	25	24	22.00	21.96	22.31	0-2	0
		50	0	21.95	21.94	22.14	0-2	0
		1	0	22.04	21.97	22.28	0-2	0.5
		1	24	22.05	22.08	22.43	0-2	0.5
		1	49	22.08	22.15	22.42	0-2	0.5
		25	0	20.91	20.91	21.14	0-3	1.5
	256QAM	25	12	20.95	20.96	21.30	0-3	1.5
		25	24	20.93	20.99	21.32	0-3	1.5
		50	0	20.90	20.92	21.12	0-3	1.5
		1	0	18.96	18.95	19.23	0-5	3.5
		1	24	19.14	19.05	19.42	0-5	3.5
		1	49	18.97	19.07	19.21	0-5	3.5
		25	0	18.93	18.96	19.22	0-5	3.5
		25	12	19.01	18.98	19.22	0-5	3.5
		25	24	18.99	18.97	19.29	0-5	3.5
		50	0	18.92	18.94	19.20	0-5	3.5

LTE Band 2 _ 15 MHz Bandwidth

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	22.17	22.11	22.62	0	0
		1	36	22.25	22.25	22.59	0	0
		1	74	22.36	22.12	22.57	0	0
		36	0	22.38	22.25	22.44	0-1	0
		36	18	22.33	22.34	22.58	0-1	0
		36	39	22.36	22.30	22.57	0-1	0
		75	0	22.31	22.32	22.61	0-1	0
	16QAM	1	0	22.43	22.67	22.68	0-1	0
		1	36	22.45	22.37	22.61	0-1	0
		1	74	22.50	22.47	22.95	0-1	0
		36	0	21.80	21.87	21.93	0-2	0
		36	18	21.75	21.81	22.02	0-2	0
		36	39	21.80	21.79	22.15	0-2	0
		75	0	21.81	21.79	22.14	0-2	0
	64QAM	1	0	21.93	21.97	22.10	0-2	0.5
		1	36	21.99	21.86	22.22	0-2	0.5
		1	74	22.02	21.90	22.23	0-2	0.5
		36	0	20.82	20.72	21.00	0-3	1.5
		36	18	20.76	20.83	21.04	0-3	1.5
		36	39	20.82	20.81	21.24	0-3	1.5
		75	0	20.82	20.80	21.09	0-3	1.5
	256QAM	1	0	18.89	18.85	18.94	0-5	3.5
		1	36	18.85	18.74	19.37	0-5	3.5
		1	74	18.93	18.94	19.22	0-5	3.5
		36	0	18.78	18.79	18.97	0-5	3.5
		36	18	18.76	18.69	19.02	0-5	3.5
		36	39	18.79	18.87	19.13	0-5	3.5
75		0	18.78	18.77	19.06	0-5	3.5	

LTE Band 2 _ 20 MHz Bandwidth

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	22.18	22.44	22.60	0	0
		1	49	22.21	22.39	22.56	0	0
		1	99	22.29	22.42	22.55	0	0
		50	0	22.31	22.19	22.48	0-1	0
		50	25	22.33	22.37	22.59	0-1	0
		50	49	22.34	22.35	22.61	0-1	0
	16QAM	100	0	22.38	22.27	22.62	0-1	0
		1	0	22.29	22.49	22.39	0-1	0
		1	49	22.45	22.49	22.65	0-1	0
		1	99	22.47	22.97	22.68	0-1	0
		50	0	21.83	21.73	21.99	0-2	0
		50	25	21.83	21.79	22.03	0-2	0
	64QAM	50	49	21.88	21.81	22.14	0-2	0
		100	0	21.80	21.84	22.06	0-2	0
		1	0	21.91	21.83	22.02	0-2	0.5
		1	49	21.73	21.89	22.21	0-2	0.5
		1	99	21.93	21.77	22.05	0-2	0.5
		50	0	20.84	20.72	20.92	0-3	1.5
	256QAM	50	25	20.88	20.79	21.07	0-3	1.5
		50	49	20.90	20.77	21.15	0-3	1.5
		100	0	20.84	20.88	21.03	0-3	1.5
		1	0	18.78	18.73	18.83	0-5	3.5
		1	49	18.74	18.89	19.16	0-5	3.5
		1	99	18.97	18.93	19.35	0-5	3.5
		50	0	18.80	18.75	18.97	0-5	3.5
		50	25	18.81	18.75	19.12	0-5	3.5
		50	49	18.83	18.77	19.18	0-5	3.5
100		0	18.78	18.76	19.10	0-5	3.5	

[LTE Band 4 Conducted Power _ DSI =2,3](Head mode) Ant. F

LTE Band 4 _ 1.4 Mhz Bandwidth

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	22.50	22.97	22.97	0	0
		1	3	22.38	22.95	22.94	0	0
		1	5	22.40	22.89	22.95	0	0
		3	0	22.33	22.93	22.91	0	0
		3	1	22.42	22.92	22.97	0	0
		3	3	22.35	22.99	22.91	0	0
	16QAM	6	0	22.32	22.81	22.95	0-1	0
		1	0	22.50	23.11	23.29	0-1	0
		1	3	22.63	23.22	23.22	0-1	0
		1	5	22.54	23.02	23.05	0-1	0
		3	0	22.43	23.03	23.03	0-1	0
		3	1	22.58	22.99	22.98	0-1	0
	64QAM	3	3	22.45	23.20	23.10	0-1	0
		6	0	21.96	22.36	22.53	0-2	0
		1	0	22.03	22.62	22.54	0-2	0.5
		1	3	22.13	22.79	22.55	0-2	0.5
		1	5	21.88	22.46	22.49	0-2	0.5
		3	0	21.92	22.73	22.41	0-2	0.5
	256QAM	3	1	22.04	22.71	22.49	0-2	0.5
		3	3	21.93	22.65	22.49	0-2	0.5
		6	0	20.89	21.33	21.38	0-3	1.5
		1	0	18.98	19.42	19.38	0-5	3.5
		1	3	18.96	19.55	19.45	0-5	3.5
		1	5	19.04	19.44	19.53	0-5	3.5
	256QAM	3	0	18.93	19.33	19.48	0-5	3.5
		3	1	18.85	19.38	19.47	0-5	3.5
		3	3	18.84	19.47	19.52	0-5	3.5
		6	0	18.82	19.44	19.46	0-5	3.5

LTE Band 4 _ 3 MHz Bandwidth

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	22.30	22.88	22.86	0	0
		1	7	22.44	22.97	23.03	0	0
		1	14	22.40	22.91	22.93	0	0
		8	0	22.43	22.89	23.02	0-1	0
		8	3	22.49	22.91	23.01	0-1	0
		8	7	22.43	23.00	23.01	0-1	0
	16QAM	15	0	22.45	22.87	23.00	0-1	0
		1	0	22.53	23.29	22.99	0-1	0
		1	7	22.71	23.20	23.21	0-1	0
		1	14	22.58	23.28	23.02	0-1	0
		8	0	21.98	22.48	22.49	0-2	0
		8	3	22.04	22.46	22.61	0-2	0
	64QAM	8	7	22.02	22.55	22.48	0-2	0
		15	0	21.93	22.41	22.46	0-2	0
		1	0	21.94	22.66	22.69	0-2	0.5
		1	7	22.15	22.78	22.76	0-2	0.5
		1	14	22.02	22.59	22.55	0-2	0.5
		8	0	21.01	21.45	21.47	0-3	1.5
	256QAM	8	3	20.99	21.42	21.49	0-3	1.5
		8	7	20.94	21.58	21.48	0-3	1.5
		15	0	20.96	21.38	21.48	0-3	1.5
		1	0	18.75	19.33	19.37	0-5	3.5
		1	7	19.03	19.51	19.63	0-5	3.5
		1	14	18.96	19.50	19.59	0-5	3.5
		8	0	18.93	19.30	19.42	0-5	3.5
		8	3	18.94	19.46	19.51	0-5	3.5
		8	7	18.96	19.47	19.41	0-5	3.5
		15	0	18.90	19.35	19.43	0-5	3.5

LTE Band 4 _ 5 MHz Bandwidth

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	22.34	22.92	22.93	0	0
		1	12	22.44	23.03	23.05	0	0
		1	24	22.37	23.00	22.92	0	0
		12	0	22.36	22.90	22.95	0-1	0
		12	6	22.52	22.94	23.03	0-1	0
		12	11	22.50	22.95	22.97	0-1	0
	16QAM	25	0	22.44	22.95	22.97	0-1	0
		1	0	22.64	23.22	23.13	0-1	0
		1	12	22.72	23.41	23.09	0-1	0
		1	24	22.67	23.22	23.13	0-1	0
		12	0	21.97	22.41	22.53	0-2	0
		12	6	22.08	22.44	22.59	0-2	0
	64QAM	12	11	22.05	22.49	22.52	0-2	0
		25	0	21.99	22.47	22.54	0-2	0
		1	0	22.05	22.47	22.60	0-2	0.5
		1	12	22.07	22.60	22.53	0-2	0.5
		1	24	22.14	22.75	22.48	0-2	0.5
		12	0	20.91	21.40	21.55	0-3	1.5
	256QAM	12	6	21.03	21.42	21.50	0-3	1.5
		12	11	20.95	21.51	21.54	0-3	1.5
		25	0	21.00	21.38	21.55	0-3	1.5
		1	0	18.85	19.53	19.52	0-5	3.5
		1	12	19.12	19.68	19.66	0-5	3.5
		1	24	19.07	19.43	19.52	0-5	3.5
		12	0	18.91	19.40	19.47	0-5	3.5
		12	6	18.97	19.40	19.56	0-5	3.5
		12	11	18.90	19.35	19.48	0-5	3.5
	25	0	19.00	19.38	19.51	0-5	3.5	

LTE Band 4 _ 10 MHz Bandwidth

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	22.40	22.76	22.99	0	0	
		1	24	22.46	22.94	23.09	0	0	
		1	49	22.61	22.87	22.90	0	0	
		25	0	22.44	22.89	23.05	0-1	0	
		25	12	22.55	22.96	23.06	0-1	0	
		25	24	22.49	22.86	23.06	0-1	0	
	16QAM	50	0	22.59	22.93	22.97	0-1	0	
		1	0	22.45	23.33	23.33	0-1	0	
		1	24	22.72	23.33	23.12	0-1	0	
		1	49	22.86	23.09	23.07	0-1	0	
		25	0	21.98	22.42	22.54	0-2	0	
		25	12	22.07	22.43	22.60	0-2	0	
	64QAM	25	24	22.12	22.49	22.50	0-2	0	
		50	0	22.12	22.41	22.58	0-2	0	
		1	0	22.05	22.43	22.59	0-2	0.5	
		1	24	22.16	22.67	22.69	0-2	0.5	
		1	49	22.30	22.61	22.59	0-2	0.5	
		25	0	20.93	21.41	21.49	0-3	1.5	
	256QAM	25	12	21.15	21.45	21.55	0-3	1.5	
		25	24	21.07	21.51	21.45	0-3	1.5	
		50	0	21.09	21.42	21.54	0-3	1.5	
		1	0	18.87	19.18	19.54	0-5	3.5	
		1	24	19.20	19.48	19.60	0-5	3.5	
		1	49	19.24	19.50	19.48	0-5	3.5	
		256QAM	25	0	18.96	19.43	19.48	0-5	3.5
			25	12	19.09	19.43	19.56	0-5	3.5
			25	24	19.07	19.42	19.46	0-5	3.5
		50	0	18.98	19.43	19.49	0-5	3.5	

LTE Band 4 _ 15 MHz Bandwidth

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	22.69	22.76	23.13	0	0
		1	36	22.46	22.85	22.94	0	0
		1	74	22.66	22.83	23.05	0	0
		36	0	22.35	22.79	22.87	0-1	0
		36	18	22.42	22.74	22.91	0-1	0
		36	39	22.54	22.79	22.93	0-1	0
		75	0	22.42	22.77	22.90	0-1	0
	16QAM	1	0	22.50	23.44	22.80	0-1	0
		1	36	22.47	22.85	22.93	0-1	0
		1	74	22.80	22.88	22.97	0-1	0
		36	0	21.85	22.33	22.37	0-2	0
		36	18	21.84	22.34	22.40	0-2	0
		36	39	22.07	22.35	22.41	0-2	0
		75	0	21.94	22.37	22.36	0-2	0
	64QAM	1	0	21.88	22.22	22.53	0-2	0.5
		1	36	22.03	22.63	22.62	0-2	0.5
		1	74	22.20	22.57	22.45	0-2	0.5
		36	0	20.83	21.28	21.38	0-3	1.5
		36	18	21.00	21.22	21.38	0-3	1.5
		36	39	21.03	21.31	21.41	0-3	1.5
		75	0	20.99	21.32	21.40	0-3	1.5
	256QAM	1	0	18.79	19.27	19.38	0-5	3.5
		1	36	19.04	19.33	19.41	0-5	3.5
		1	74	19.14	19.12	19.40	0-5	3.5
		36	0	18.84	19.27	19.32	0-5	3.5
		36	18	18.98	19.24	19.32	0-5	3.5
		36	39	19.05	19.27	19.41	0-5	3.5
75		0	18.97	19.25	19.41	0-5	3.5	

LTE Band 4 _ 20 MHz Bandwidth

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	23.02	0	0
		1	49	23.06	0	0
		1	99	22.77	0	0
		50	0	22.62	0-1	0
		50	25	22.73	0-1	0
		50	49	22.74	0-1	0
		100	0	22.77	0-1	0
	16QAM	1	0	22.86	0-1	0
		1	49	22.72	0-1	0
		1	99	23.05	0-1	0
		50	0	22.17	0-2	0
		50	25	22.30	0-2	0
		50	49	22.38	0-2	0
		100	0	22.28	0-2	0
	64QAM	1	0	22.12	0-2	0.5
		1	49	22.81	0-2	0.5
		1	99	22.54	0-2	0.5
		50	0	21.19	0-3	1.5
		50	25	21.31	0-3	1.5
		50	49	21.25	0-3	1.5
		100	0	21.28	0-3	1.5
	256QAM	1	0	19.02	0-5	3.5
		1	49	19.39	0-5	3.5
		1	99	19.39	0-5	3.5
50		0	19.18	0-5	3.5	
50		25	19.21	0-5	3.5	
50		49	19.27	0-5	3.5	
100		0	19.27	0-5	3.5	

[LTE Band 25 Conducted Power_ DSI =2,3](Head mode) Ant. F

LTE Band 25 1.4 MHz Bandwidth

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	22.12	22.24	22.61	0	0
		1	3	22.22	22.24	22.45	0	0
		1	5	22.16	22.21	22.51	0	0
		3	0	22.19	22.29	22.49	0	0
		3	1	22.22	22.44	22.57	0	0
		3	3	22.25	22.33	22.47	0	0
	16QAM	6	0	22.15	22.29	22.53	0-1	0
		1	0	22.60	22.35	22.74	0-1	0
		1	3	22.50	22.46	22.83	0-1	0
		1	5	22.46	22.43	22.66	0-1	0
		3	0	22.31	22.29	22.67	0-1	0
		3	1	22.32	22.50	22.70	0-1	0
	64QAM	3	3	22.36	22.46	22.66	0-1	0
		6	0	21.75	21.78	22.11	0-2	0.5
		1	0	22.19	21.87	22.03	0-2	0.5
		1	3	22.46	21.99	22.16	0-2	0.5
		1	5	22.27	21.82	22.15	0-2	0.5
		3	0	22.21	21.84	22.02	0-2	0.5
	256QAM	3	1	22.21	21.90	22.13	0-2	0.5
		3	3	22.24	21.83	21.99	0-2	0.5
		6	0	21.73	20.74	21.13	0-3	1.5
		1	0	18.71	18.89	19.03	0-5	3.5
		1	3	18.70	18.80	19.01	0-5	3.5
		1	5	18.92	18.84	19.19	0-5	3.5
		3	0	18.69	18.80	19.05	0-5	3.5
	3	1	18.72	18.86	19.02	0-5	3.5	
		3	3	18.78	18.78	19.01	0-5	3.5
		6	0	18.66	18.69	19.01	0-5	3.5

LTE Band 25 3 MHz Bandwidth

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	22.11	22.25	22.36	0	0
		1	7	22.28	22.29	22.46	0	0
		1	14	22.09	22.29	22.39	0	0
		8	0	22.20	22.36	22.48	0-1	0
		8	3	22.18	22.35	22.57	0-1	0
		8	7	22.18	22.37	22.56	0-1	0
		15	0	22.15	22.32	22.46	0-1	0
	16QAM	1	0	22.42	22.37	22.64	0-1	0
		1	7	22.40	22.60	22.60	0-1	0
		1	14	22.22	22.44	22.58	0-1	0
		8	0	21.79	21.78	22.01	0-2	0.5
		8	3	21.75	21.86	22.05	0-2	0.5
		8	7	21.69	21.81	22.07	0-2	0.5
		15	0	21.76	21.83	21.98	0-2	0.5
	64QAM	1	0	21.60	21.90	22.19	0-2	0.5
		1	7	21.90	21.94	22.19	0-2	0.5
		1	14	21.88	21.79	22.09	0-2	0.5
		8	0	20.77	20.81	21.01	0-3	1.5
		8	3	20.81	20.83	21.00	0-3	1.5
		8	7	20.76	20.83	21.11	0-3	1.5
		15	0	20.77	20.78	20.96	0-3	1.5
	256QAM	1	0	18.77	18.85	18.94	0-5	3.5
		1	7	18.70	18.96	19.04	0-5	3.5
		1	14	18.67	18.89	19.07	0-5	3.5
		8	0	18.69	18.79	18.91	0-5	3.5
		8	3	18.71	18.80	18.94	0-5	3.5
		8	7	18.71	18.78	19.06	0-5	3.5
15		0	18.71	18.77	18.95	0-5	3.5	

LTE Band 25 5 MHz Bandwidth

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	22.15	22.18	22.49	0	0
		1	12	22.16	22.32	22.62	0	0
		1	24	22.14	22.21	22.61	0	0
		12	0	22.25	22.30	22.47	0-1	0
		12	6	22.22	22.34	22.48	0-1	0
		12	11	22.20	22.28	22.57	0-1	0
		25	0	22.19	22.32	22.40	0-1	0
	16QAM	1	0	22.43	22.45	22.72	0-1	0
		1	12	22.47	22.45	22.87	0-1	0
		1	24	22.35	22.51	22.69	0-1	0
		12	0	21.73	21.78	21.96	0-2	0.5
		12	6	21.80	21.80	21.99	0-2	0.5
		12	11	21.78	21.87	22.14	0-2	0.5
		25	0	21.75	21.81	22.05	0-2	0.5
	64QAM	1	0	21.77	21.80	22.22	0-2	0.5
		1	12	21.87	22.00	22.25	0-2	0.5
		1	24	21.79	21.79	22.18	0-2	0.5
		12	0	20.72	20.82	20.98	0-3	1.5
		12	6	20.80	20.83	21.03	0-3	1.5
		12	11	20.69	20.83	21.09	0-3	1.5
		25	0	20.74	20.77	20.93	0-3	1.5
	256QAM	1	0	18.56	18.86	18.91	0-5	3.5
		1	12	18.78	18.91	19.14	0-5	3.5
		1	24	18.77	18.95	19.03	0-5	3.5
12		0	18.65	18.71	18.96	0-5	3.5	
12		6	18.75	18.86	19.04	0-5	3.5	
12		11	18.77	18.81	19.05	0-5	3.5	
25		0	18.76	18.78	18.96	0-5	3.5	

LTE Band 25 10 MHz Bandwidth

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	22.17	22.16	22.39	0	0
		1	24	22.18	22.29	22.47	0	0
		1	49	22.19	22.36	22.52	0	0
		25	0	22.23	22.27	22.47	0-1	0
		25	12	22.22	22.37	22.61	0-1	0
		25	24	22.24	22.38	22.58	0-1	0
		50	0	22.21	22.36	22.52	0-1	0
	16QAM	1	0	22.29	22.47	22.66	0-1	0
		1	24	22.52	22.55	22.62	0-1	0
		1	49	22.66	22.69	22.67	0-1	0
		25	0	21.80	21.71	21.96	0-2	0.5
		25	12	21.79	21.87	22.12	0-2	0.5
		25	24	21.83	21.84	22.04	0-2	0.5
		50	0	21.79	21.84	22.04	0-2	0.5
	64QAM	1	0	21.84	21.90	22.19	0-2	0.5
		1	24	21.87	22.03	22.19	0-2	0.5
		1	49	22.01	21.94	22.16	0-2	0.5
		25	0	20.81	20.73	21.00	0-3	1.5
		25	12	20.81	20.82	21.07	0-3	1.5
		25	24	20.85	20.83	21.05	0-3	1.5
		50	0	20.72	20.78	21.08	0-3	1.5
	256QAM	1	0	18.70	18.77	19.03	0-5	3.5
		1	24	18.86	18.96	19.12	0-5	3.5
		1	49	18.71	18.85	19.13	0-5	3.5
25		0	18.74	18.63	18.92	0-5	3.5	
25		12	18.77	18.79	19.02	0-5	3.5	
25		24	18.72	18.80	19.05	0-5	3.5	
50		0	18.70	18.76	19.00	0-5	3.5	

LTE Band 25 15 MHz Bandwidth

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	21.88	21.98	22.14	0	0
		1	36	21.91	22.05	22.20	0	0
		1	74	22.11	22.40	22.15	0	0
		36	0	22.06	22.11	22.16	0-1	0
		36	18	22.07	22.17	22.37	0-1	0
		36	39	22.15	22.18	22.31	0-1	0
		75	0	22.08	22.12	22.35	0-1	0
	16QAM	1	0	22.13	22.15	22.68	0-1	0
		1	36	22.15	22.52	22.69	0-1	0
		1	74	22.35	22.44	22.45	0-1	0
		36	0	21.59	21.61	21.84	0-2	0.5
		36	18	21.61	21.64	21.88	0-2	0.5
		36	39	21.61	21.59	21.94	0-2	0.5
		75	0	21.59	21.69	21.96	0-2	0.5
	64QAM	1	0	21.68	21.61	21.92	0-2	0.5
		1	36	21.70	21.70	22.13	0-2	0.5
		1	74	21.61	21.78	22.04	0-2	0.5
		36	0	20.60	20.52	20.77	0-3	1.5
		36	18	20.63	20.56	20.92	0-3	1.5
		36	39	20.62	20.69	20.98	0-3	1.5
		75	0	20.58	20.63	20.91	0-3	1.5
	256QAM	1	0	18.43	18.53	18.73	0-5	3.5
		1	36	18.58	18.65	18.90	0-5	3.5
		1	74	18.76	18.72	19.00	0-5	3.5
		36	0	18.65	18.55	18.68	0-5	3.5
		36	18	18.59	18.64	18.84	0-5	3.5
		36	39	18.57	18.64	18.85	0-5	3.5
		75	0	18.56	18.69	18.96	0-5	3.5

LTE Band 25 20 MHz Bandwidth

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	21.94	21.99	22.35	0	0
		1	49	22.26	22.07	22.32	0	0
		1	99	22.28	22.30	22.70	0	0
		50	0	22.08	22.05	22.18	0-1	0
		50	25	22.12	22.15	22.43	0-1	0
		50	49	22.09	22.14	22.39	0-1	0
		100	0	22.05	22.15	22.31	0-1	0
	16QAM	1	0	22.13	22.25	22.31	0-1	0
		1	49	22.25	22.42	22.51	0-1	0
		1	99	22.33	22.28	22.58	0-1	0
		50	0	21.61	21.52	21.84	0-2	0.5
		50	25	21.59	21.68	21.92	0-2	0.5
		50	49	21.58	21.71	21.85	0-2	0.5
		100	0	21.62	21.65	21.90	0-2	0.5
	64QAM	1	0	21.48	21.72	21.91	0-2	0.5
		1	49	21.68	21.75	22.03	0-2	0.5
		1	99	21.77	21.91	22.02	0-2	0.5
		50	0	20.61	20.54	20.69	0-3	1.5
		50	25	20.57	20.71	20.88	0-3	1.5
		50	49	20.58	20.70	20.92	0-3	1.5
		100	0	20.65	20.66	20.85	0-3	1.5
	256QAM	1	0	18.65	18.61	18.69	0-5	3.5
		1	49	18.74	18.61	18.87	0-5	3.5
		1	99	18.84	18.74	19.04	0-5	3.5
50		0	18.66	18.59	18.67	0-5	3.5	
50		25	18.65	18.72	18.90	0-5	3.5	
50		49	18.63	18.67	18.90	0-5	3.5	
100		0	18.67	18.65	18.90	0-5	3.5	

[LTE Band 41 Conducted Power_ Pmax, DSI=2,3] - Power Class 3(Head mode) Ant.F

LTE Band 41_ 5 MHz Bandwidth - Power Class 3

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per GPP [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	23.19	23.64	23.84	23.74	23.91	0	0
		1	12	23.28	23.73	23.93	23.86	24.00	0	0
		1	24	23.20	23.71	23.78	23.79	23.85	0	0
		12	0	22.20	22.64	22.91	22.79	22.86	0-1	1
		12	6	22.29	22.83	22.98	22.82	22.96	0-1	1
		12	11	22.29	22.76	22.91	22.93	22.93	0-1	1
	16QAM	25	0	22.27	22.75	22.89	22.81	22.93	0-1	1
		1	0	22.19	22.63	22.79	22.83	22.79	0-1	1
		1	12	22.27	22.77	22.83	22.86	22.98	0-1	1
		1	24	22.09	22.72	22.79	22.78	22.79	0-1	1
		12	0	21.20	21.66	21.90	21.79	21.90	0-2	2
		12	6	21.32	21.77	21.93	21.82	21.97	0-2	2
	64QAM	12	11	21.27	21.77	21.90	21.87	21.93	0-2	2
		25	0	21.26	21.78	21.92	21.82	21.95	0-2	2
		1	0	21.26	21.73	21.96	21.86	21.90	0-2	2
		1	12	21.31	21.85	22.01	21.89	22.04	0-2	2
		1	24	21.34	21.73	21.90	21.88	21.84	0-2	2
		12	0	20.22	20.69	20.94	20.94	20.37	0-3	3
	256QAM	12	6	20.33	20.77	20.94	20.95	20.38	0-3	3
		12	11	20.26	20.83	20.90	20.96	20.33	0-3	3
		25	0	20.26	20.81	20.91	20.92	20.34	0-3	3
		1	0	18.06	18.49	18.69	18.75	18.47	0-5	5
		1	12	18.36	18.78	18.92	18.89	18.32	0-5	5
		1	24	18.20	18.64	18.87	18.78	18.36	0-5	5
		12	0	18.18	18.64	18.86	18.88	18.52	0-5	5
12		6	18.34	18.83	18.98	18.92	18.40	0-5	5	
12		11	18.36	18.74	18.88	18.98	18.38	0-5	5	
25		0	18.28	18.76	18.91	18.90	18.45	0-5	5	

LTE Band 41 _ 10 MHz Bandwidth - Power Class 3

Band width	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	23.21	23.66	23.81	23.84	23.91	0	0
		1	24	23.32	23.81	24.02	23.87	23.97	0	0
		1	49	23.13	23.67	23.87	23.78	23.90	0	0
		25	0	22.12	22.57	22.97	22.82	22.90	0-1	1
		25	12	22.25	22.88	23.06	22.85	22.98	0-1	1
		25	24	22.29	22.80	22.86	22.88	22.94	0-1	1
	16QAM	50	0	22.20	22.72	22.81	22.81	22.96	0-1	1
		1	0	22.20	22.59	22.79	22.83	22.78	0-1	1
		1	24	22.22	22.76	22.89	22.82	22.84	0-1	1
		1	49	22.19	22.72	22.75	22.74	22.82	0-1	1
		25	0	21.29	21.76	21.91	21.84	21.91	0-2	2
		25	12	21.26	21.71	22.03	21.88	21.97	0-2	2
	64QAM	25	24	21.37	21.68	22.00	21.91	21.96	0-2	2
		50	0	21.16	21.87	22.02	21.84	21.98	0-2	2
		1	0	21.25	21.66	21.90	21.89	21.99	0-2	2
		1	24	21.34	21.84	22.11	21.90	21.99	0-2	2
		1	49	21.39	21.79	21.82	21.87	21.88	0-2	2
		25	0	20.23	20.68	20.95	20.92	20.57	0-3	3
	256QAM	25	12	20.31	20.84	20.92	20.95	20.39	0-3	3
		25	24	20.27	20.80	20.89	21.03	20.38	0-3	3
		50	0	20.31	20.81	20.93	20.93	20.46	0-3	3
		1	0	18.13	18.68	18.68	18.90	18.81	0-5	5
		1	24	18.18	18.78	18.86	19.07	18.36	0-5	5
		1	49	18.20	18.70	18.76	18.89	18.42	0-5	5
		25	0	18.25	18.66	18.90	18.91	18.66	0-5	5
		25	12	18.35	18.78	18.97	18.91	18.50	0-5	5
		25	24	18.31	18.81	18.94	19.03	18.44	0-5	5
		50	0	18.32	18.79	18.92	18.90	18.56	0-5	5

LTE Band 41 _ 15 MHz Bandwidth- Power Class 3

Band width	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	23.11	23.54	23.85	23.66	23.80	0	0
		1	36	23.30	23.67	24.00	23.65	23.78	0	0
		1	74	23.27	23.79	23.68	23.68	23.78	0	0
		36	0	22.16	22.69	22.86	22.67	22.77	0-1	1
		36	18	22.36	22.93	22.92	22.68	22.74	0-1	1
		36	39	22.29	22.76	23.00	22.75	22.82	0-1	1
		75	0	22.33	22.76	22.99	22.68	22.83	0-1	1
	16QAM	1	0	22.21	22.54	22.73	22.61	22.67	0-1	1
		1	36	22.26	22.82	22.77	22.74	22.66	0-1	1
		1	74	22.04	22.64	22.82	22.66	22.62	0-1	1
		36	0	21.27	21.60	21.87	21.67	21.74	0-2	2
		36	18	21.29	21.83	22.02	21.66	21.71	0-2	2
		36	39	21.27	21.84	22.00	21.74	21.77	0-2	2
		75	0	21.18	21.80	21.85	21.67	21.78	0-2	2
	64QAM	1	0	21.31	21.68	22.06	21.70	21.86	0-2	2
		1	36	21.29	21.81	22.11	21.76	21.89	0-2	2
		1	74	21.40	21.69	21.81	21.71	21.81	0-2	2
		36	0	20.08	20.57	20.74	20.81	20.51	0-3	3
		36	18	20.13	20.55	20.76	20.75	20.30	0-3	3
		36	39	20.10	20.60	20.75	20.84	20.22	0-3	3
		75	0	20.15	20.64	20.81	20.81	20.39	0-3	3
	256QAM	1	0	18.10	18.50	18.62	18.67	18.74	0-5	5
		1	36	18.05	18.54	18.60	18.77	18.20	0-5	5
		1	74	18.10	18.59	18.76	18.95	18.22	0-5	5
		36	0	18.07	18.59	18.76	18.79	18.63	0-5	5
		36	18	18.15	18.60	18.80	18.78	18.41	0-5	5
		36	39	18.15	18.69	18.79	18.86	18.33	0-5	5
		75	0	18.14	18.68	18.81	18.79	18.51	0-5	5

LTE Band 41 _ 20 MHz Bandwidth - Power Class 3

Band width	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	23.15	23.66	23.88	23.72	23.86	0	0
		1	49	23.31	23.64	23.85	23.62	23.76	0	0
		1	99	23.24	23.62	23.86	23.64	23.72	0	0
		50	0	22.27	22.66	23.00	22.68	22.74	0-1	1
		50	25	22.36	22.74	22.89	22.68	22.83	0-1	1
		50	49	22.31	22.72	22.83	22.78	22.76	0-1	1
	16QAM	100	0	22.28	22.65	22.92	22.68	22.69	0-1	1
		1	0	22.17	22.58	22.78	22.72	22.65	0-1	1
		1	49	22.25	22.67	22.89	22.69	22.62	0-1	1
		1	99	22.02	22.76	22.71	22.68	22.54	0-1	1
		50	0	21.20	21.68	21.97	21.64	21.70	0-2	2
		50	25	21.38	21.68	21.89	21.68	21.81	0-2	2
	64QAM	50	49	21.19	21.73	21.91	21.72	21.75	0-2	2
		100	0	21.29	21.72	21.90	21.65	21.70	0-2	2
		1	0	21.16	21.70	21.90	21.82	21.74	0-2	2
		1	49	21.32	21.86	22.09	21.73	21.74	0-2	2
		1	99	21.36	21.71	21.84	21.81	21.81	0-2	2
		50	0	20.14	20.56	20.73	20.76	20.75	0-3	3
	256QAM	50	25	20.18	20.69	20.84	20.80	20.50	0-3	3
		50	49	20.14	20.66	20.80	20.87	20.41	0-3	3
		100	0	20.17	20.67	20.83	20.75	20.56	0-3	3
		1	0	18.13	18.42	18.75	18.69	18.71	0-5	5
		1	49	18.23	18.61	18.73	18.60	18.49	0-5	5
		1	99	18.09	18.78	18.67	18.81	18.48	0-5	5
		50	0	18.07	18.59	18.78	18.81	18.82	0-5	5
		50	25	18.14	18.66	18.86	18.77	18.56	0-5	5
		50	49	18.17	18.68	18.74	18.90	18.46	0-5	5
		100	0	18.16	18.70	18.80	18.78	18.65	0-5	5

Note; LTE Band 41 has 5 required test channels per FCC KDB 447498 D04v01.

[LTE Band 41 Conducted Power _ Pmax, DSI=2,3] - Power Class 2(Head mode) Ant. F

LTE Band 41 _ 5 MHz Bandwidth - Power Class 2

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per GPP [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	24.67	25.14	25.31	25.46	24.99	0	0
		1	12	24.66	25.16	25.43	25.54	24.73	0	0
		1	24	24.69	25.15	25.31	25.46	24.74	0	0
		12	0	23.67	24.13	24.38	24.40	23.94	0-1	1
		12	6	23.80	24.26	24.42	24.40	23.87	0-1	1
		12	11	23.73	24.25	24.39	24.47	23.83	0-1	1
	16QAM	25	0	23.73	24.26	24.39	24.41	23.86	0-1	1
		1	0	23.95	24.36	24.55	24.63	24.21	0-1	1
		1	12	23.93	24.44	24.72	24.76	24.03	0-1	1
		1	24	23.98	24.50	24.62	24.73	24.04	0-1	1
		12	0	22.73	23.21	23.40	23.43	23.06	0-2	2
		12	6	22.86	23.31	23.43	23.46	22.99	0-2	2
	64QAM	12	11	22.77	23.35	23.41	23.52	22.94	0-2	2
		25	0	22.78	23.26	23.43	23.46	22.96	0-2	2
		1	0	23.08	23.49	23.53	23.73	23.36	0-2	2
		1	12	23.18	23.57	23.70	23.87	23.23	0-2	2
		1	24	23.02	23.59	23.71	23.77	23.19	0-2	2
		12	0	21.75	22.24	22.44	22.41	22.07	0-3	3
	256QAM	12	6	21.85	22.36	22.48	22.45	22.04	0-3	3
		12	11	21.74	22.30	22.43	22.50	21.98	0-3	3
		25	0	21.81	22.26	22.43	22.45	21.99	0-3	3
		1	0	19.61	20.22	20.39	20.52	20.39	0-5	5
		1	12	19.94	20.40	20.58	20.63	20.01	0-5	5
		1	24	19.90	20.48	20.51	20.54	20.17	0-5	5
		12	0	19.73	20.20	20.47	20.43	20.07	0-5	5
12		6	19.85	20.32	20.48	20.47	20.02	0-5	5	
12		11	19.80	20.28	20.42	20.53	20.00	0-5	5	
25		0	19.80	20.32	20.43	20.40	20.03	0-5	5	

LTE Band 41 _ 10 MHz Bandwidth - Power Class 2

Band width	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	24.77	25.18	25.46	25.52	24.73	0	0
		1	24	24.73	25.25	25.44	25.51	24.23	0	0
		1	49	24.74	25.23	25.37	25.49	24.27	0	0
		25	0	23.71	24.17	24.38	24.43	23.60	0-1	1
		25	12	23.80	24.30	24.43	24.45	23.42	0-1	1
		25	24	23.76	24.31	24.43	24.47	23.37	0-1	1
	16QAM	50	0	23.74	24.27	24.36	24.39	23.48	0-1	1
		1	0	24.01	24.48	24.53	24.69	23.94	0-1	1
		1	24	24.04	24.51	24.61	24.73	23.50	0-1	1
		1	49	23.98	24.56	24.56	24.72	23.69	0-1	1
		25	0	22.72	23.20	23.45	23.44	22.67	0-2	2
		25	12	22.83	23.33	23.45	23.41	22.53	0-2	2
	64QAM	25	24	22.79	23.32	23.42	23.49	22.48	0-2	2
		50	0	22.81	23.27	23.43	23.41	22.59	0-2	2
		1	0	23.04	23.55	23.75	23.75	23.18	0-2	2
		1	24	23.08	23.56	23.73	23.90	22.78	0-2	2
		1	49	23.05	23.54	23.61	23.76	22.75	0-2	2
		25	0	21.75	22.23	22.45	22.43	21.70	0-3	3
		25	12	21.83	22.33	22.46	22.47	21.54	0-3	3
		25	24	21.83	22.33	22.41	22.50	21.51	0-3	3
	256QAM	50	0	21.79	22.31	22.44	22.41	21.63	0-3	3
		1	0	19.85	20.24	20.39	20.54	20.04	0-5	5
		1	24	19.95	20.45	20.61	20.59	19.60	0-5	5
		1	49	19.91	20.46	20.34	20.52	19.79	0-5	5
		25	0	19.73	20.22	20.45	20.44	19.75	0-5	5
		25	12	19.82	20.36	20.48	20.48	19.59	0-5	5
		25	24	19.81	20.32	20.47	20.52	19.56	0-5	5
		50	0	19.82	20.30	20.45	20.44	19.65	0-5	5

LTE Band 41 _ 15 MHz Bandwidth- Power Class 2

Band width	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	24.50	24.99	25.30	25.45	24.80	0	0
		1	36	24.60	24.95	25.14	25.25	24.22	0	0
		1	74	24.67	25.14	25.29	25.46	24.22	0	0
		36	0	23.52	24.03	24.22	24.27	23.55	0-1	1
		36	18	23.63	24.04	24.26	24.27	23.34	0-1	1
		36	39	23.63	24.18	24.26	24.35	23.26	0-1	1
		75	0	23.63	24.11	24.25	24.30	23.40	0-1	1
	16QAM	1	0	23.89	24.27	24.48	24.49	24.02	0-1	1
		1	36	23.78	24.38	24.39	24.51	23.47	0-1	1
		1	74	23.77	24.44	24.41	24.65	23.47	0-1	1
		36	0	22.56	23.03	23.22	23.31	22.64	0-2	2
		36	18	22.67	23.06	23.25	23.30	22.42	0-2	2
		36	39	22.62	23.20	23.26	23.32	22.34	0-2	2
		75	0	22.65	23.16	23.30	23.28	22.49	0-2	2
	64QAM	1	0	22.87	23.34	23.57	23.50	23.10	0-2	2
		1	36	22.90	23.27	23.57	23.67	22.66	0-2	2
		1	74	22.87	23.48	23.54	23.66	22.65	0-2	2
		36	0	21.60	22.05	22.25	22.25	21.66	0-3	3
		36	18	21.68	22.10	22.29	22.29	21.44	0-3	3
		36	39	21.63	22.13	22.26	22.36	21.37	0-3	3
		75	0	21.64	22.17	22.26	22.28	21.53	0-3	3
	256QAM	1	0	19.70	20.16	20.28	20.50	20.01	0-5	5
		1	36	19.75	20.22	20.42	20.34	19.61	0-5	5
		1	74	19.89	20.37	20.47	20.51	19.45	0-5	5
		36	0	19.61	20.06	20.28	20.30	19.69	0-5	5
		36	18	19.69	20.13	20.34	20.30	19.46	0-5	5
		36	39	19.65	20.20	20.31	20.35	19.36	0-5	5
		75	0	19.70	20.21	20.30	20.31	19.54	0-5	5

LTE Band 41 _ 20 MHz Bandwidth - Power Class 2

Band width	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	24.60	24.97	25.30	25.47	24.92	0	0
		1	49	24.66	25.01	25.29	25.43	24.20	0	0
		1	99	24.61	25.10	25.24	25.39	24.20	0	0
		50	0	23.58	24.02	24.22	24.27	23.64	0-1	1
		50	25	23.66	24.10	24.27	24.26	23.38	0-1	1
		50	49	23.66	24.10	24.28	24.32	23.29	0-1	1
	16QAM	100	0	23.65	24.11	24.28	24.26	23.45	0-1	1
		1	0	23.81	24.31	24.41	24.57	24.17	0-1	1
		1	49	24.01	24.49	24.39	24.73	23.51	0-1	1
		1	99	23.78	24.27	24.40	24.64	23.54	0-1	1
		50	0	22.59	23.10	23.26	23.27	22.71	0-2	2
		50	25	22.68	23.19	23.29	23.30	22.46	0-2	2
	64QAM	50	49	22.66	23.13	23.22	23.38	22.37	0-2	2
		100	0	22.64	23.13	23.27	23.26	22.55	0-2	2
		1	0	23.00	23.36	23.63	23.63	23.37	0-2	2
		1	49	22.85	23.34	23.57	23.72	22.77	0-2	2
		1	99	22.90	23.41	23.56	23.61	22.62	0-2	2
		50	0	21.60	22.09	22.24	22.29	21.76	0-3	3
	256QAM	50	25	21.70	22.16	22.31	22.32	21.49	0-3	3
		50	49	21.68	22.15	22.25	22.33	21.40	0-3	3
		100	0	21.71	22.18	22.25	22.28	21.60	0-3	3
		1	0	19.79	20.26	20.42	20.39	20.18	0-5	5
		1	49	19.74	20.31	20.37	20.51	19.52	0-5	5
		1	99	19.84	20.27	20.41	20.52	19.53	0-5	5
	50	0	19.62	20.10	20.29	20.34	19.77	0-5	5	
	50	25	19.72	20.22	20.35	20.33	19.51	0-5	5	
	50	49	19.68	20.22	20.32	20.41	19.41	0-5	5	
	100	0	19.73	20.19	20.30	20.32	19.61	0-5	5	

Note; LTE Band 41 has 5 required test channels per FCC KDB 447498 D04v01.

[LTE Band 66 Conducted Power_ DSI=2,3](Head mode) Ant. F

LTE Band 66 _ 1.4 MHz Bandwidth

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	22.25	22.85	22.78	0	0
		1	3	22.33	22.94	22.78	0	0
		1	5	22.24	22.90	22.72	0	0
		3	0	22.33	22.79	22.72	0	0
		3	1	22.31	22.89	22.80	0	0
		3	3	22.24	22.86	22.61	0	0
	16QAM	6	0	22.32	22.86	22.70	0-1	0
		1	0	22.43	23.11	22.87	0-1	0
		1	3	22.51	23.11	22.77	0-1	0
		1	5	22.68	23.26	23.10	0-1	0
		3	0	22.35	22.99	22.96	0-1	0
		3	1	22.38	23.02	22.84	0-1	0
	64QAM	3	3	22.50	22.90	22.97	0-1	0
		6	0	21.88	22.38	22.36	0-2	0
		1	0	22.02	22.44	22.41	0-2	0.5
		1	3	22.03	22.67	22.74	0-2	0.5
		1	5	21.83	22.55	22.51	0-2	0.5
		3	0	21.86	22.47	22.43	0-2	0.5
	256QAM	3	1	21.85	22.37	22.38	0-2	0.5
		3	3	22.04	22.51	22.37	0-2	0.5
		6	0	20.82	21.31	21.23	0-3	1.5
		1	0	18.85	19.50	19.13	0-5	3.5
		1	3	18.78	19.45	19.22	0-5	3.5
		1	5	18.88	19.47	19.20	0-5	3.5
	3	0	18.91	19.35	19.30	0-5	3.5	
	3	1	18.85	19.34	19.27	0-5	3.5	
	3	3	18.85	19.38	19.26	0-5	3.5	
	6	0	18.83	19.23	19.18	0-5	3.5	

LTE Band 66 _ 3 MHz Bandwidth

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	22.26	22.80	22.63	0	0	
		1	7	22.39	23.04	22.79	0	0	
		1	14	22.27	22.86	22.73	0	0	
		8	0	22.32	22.89	22.73	0-1	0	
		8	3	22.39	22.85	22.81	0-1	0	
		8	7	22.34	22.90	22.68	0-1	0	
	16QAM	15	0	22.39	22.91	22.80	0-1	0	
		1	0	22.53	23.04	22.86	0-1	0	
		1	7	22.60	23.12	23.04	0-1	0	
		1	14	22.47	23.05	22.91	0-1	0	
		8	0	21.88	22.47	22.36	0-2	0	
		8	3	21.88	22.51	22.34	0-2	0	
	64QAM	8	7	21.96	22.43	22.33	0-2	0	
		15	0	21.82	22.44	22.33	0-2	0	
		1	0	22.12	22.80	22.33	0-2	0.5	
		1	7	22.03	22.54	22.44	0-2	0.5	
		1	14	22.09	22.41	22.33	0-2	0.5	
		8	0	20.89	21.36	21.32	0-3	1.5	
	256QAM	8	3	20.84	21.43	21.34	0-3	1.5	
		8	7	20.89	21.38	21.26	0-3	1.5	
		15	0	20.80	21.39	21.22	0-3	1.5	
		1	0	18.75	19.27	19.34	0-5	3.5	
		1	7	18.94	19.66	19.40	0-5	3.5	
		1	14	18.86	19.27	19.26	0-5	3.5	
			8	0	18.82	19.39	19.23	0-5	3.5
			8	3	18.87	19.39	19.32	0-5	3.5
			8	7	18.84	19.37	19.20	0-5	3.5
		15	0	18.87	19.38	19.21	0-5	3.5	

LTE Band 66 _ 5 MHz Bandwidth

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	22.36	22.85	22.68	0	0
		1	12	22.51	23.04	22.85	0	0
		1	24	22.35	22.91	22.64	0	0
		12	0	22.28	22.91	22.77	0-1	0
		12	6	22.41	22.86	22.77	0-1	0
		12	11	22.39	22.88	22.74	0-1	0
	16QAM	25	0	22.40	22.92	22.78	0-1	0
		1	0	22.55	23.17	22.98	0-1	0
		1	12	22.75	23.24	23.25	0-1	0
		1	24	22.53	23.17	22.97	0-1	0
		12	0	21.79	22.43	22.29	0-2	0
		12	6	21.97	22.44	22.31	0-2	0
	64QAM	12	11	21.93	22.44	22.27	0-2	0
		25	0	21.88	22.39	22.22	0-2	0
		1	0	21.87	22.59	22.40	0-2	0.5
		1	12	22.15	22.58	22.46	0-2	0.5
		1	24	22.04	22.55	22.52	0-2	0.5
		12	0	20.84	21.38	21.23	0-3	1.5
	256QAM	12	6	20.90	21.37	21.26	0-3	1.5
		12	11	20.90	21.42	21.27	0-3	1.5
		25	0	20.83	21.42	21.30	0-3	1.5
		1	0	18.99	19.48	19.37	0-5	3.5
		1	12	18.96	19.53	19.41	0-5	3.5
		1	24	18.97	19.35	19.27	0-5	3.5
		12	0	18.88	19.38	19.23	0-5	3.5
		12	6	18.98	19.42	19.41	0-5	3.5
		12	11	18.84	19.48	19.35	0-5	3.5
		25	0	18.87	19.36	19.28	0-5	3.5

LTE Band 66 _ 10 MHz Bandwidth

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	22.49	23.02	22.83	0	0
		1	24	22.43	23.04	22.89	0	0
		1	49	22.38	22.83	22.75	0	0
		25	0	22.37	22.87	22.78	0-1	0
		25	12	22.45	23.00	22.84	0-1	0
		25	24	22.50	22.86	22.85	0-1	0
	16QAM	50	0	22.50	22.91	22.88	0-1	0
		1	0	22.56	23.04	23.17	0-1	0
		1	24	22.56	23.24	23.38	0-1	0
		1	49	22.76	23.28	23.00	0-1	0
		25	0	21.84	22.39	22.30	0-2	0
		25	12	21.97	22.44	22.37	0-2	0
	64QAM	25	24	21.98	22.48	22.34	0-2	0
		50	0	21.98	22.33	22.32	0-2	0
		1	0	22.02	22.55	22.57	0-2	0.5
		1	24	21.98	22.87	22.62	0-2	0.5
		1	49	22.02	22.49	22.36	0-2	0.5
		25	0	20.79	21.43	21.28	0-3	1.5
	256QAM	25	12	20.98	21.47	21.41	0-3	1.5
		25	24	20.97	21.38	21.34	0-3	1.5
		50	0	20.94	21.37	21.38	0-3	1.5
		1	0	18.83	19.32	19.36	0-5	3.5
		1	24	18.77	19.61	19.50	0-5	3.5
		1	49	19.01	19.37	19.29	0-5	3.5
	256QAM	25	0	18.86	19.38	19.25	0-5	3.5
		25	12	18.97	19.45	19.35	0-5	3.5
		25	24	18.98	19.35	19.35	0-5	3.5
		50	0	18.90	19.39	19.30	0-5	3.5

LTE Band 66 _ 15 MHz Bandwidth

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	22.50	22.65	22.50	0	0	
		1	36	22.46	22.68	22.67	0	0	
		1	74	22.43	22.99	22.50	0	0	
		36	0	22.29	22.73	22.71	0-1	0	
		36	18	22.39	22.74	22.68	0-1	0	
		36	39	22.36	22.79	22.65	0-1	0	
	16QAM	75	0	22.34	22.74	22.68	0-1	0	
		1	0	22.55	22.86	22.88	0-1	0	
		1	36	22.38	22.95	22.69	0-1	0	
		1	74	22.67	23.02	22.83	0-1	0	
		36	0	21.75	22.22	22.19	0-2	0	
		36	18	21.89	22.31	22.17	0-2	0	
	64QAM	36	39	21.84	22.23	22.16	0-2	0	
		75	0	21.84	22.24	22.27	0-2	0	
		1	0	21.68	22.14	22.19	0-2	0.5	
		1	36	21.96	22.45	22.25	0-2	0.5	
		1	74	22.10	22.46	22.29	0-2	0.5	
		36	0	20.71	21.17	21.17	0-3	1.5	
	256QAM	36	18	20.80	21.25	21.17	0-3	1.5	
		36	39	20.86	21.31	21.14	0-3	1.5	
		75	0	20.81	21.29	21.18	0-3	1.5	
		1	0	18.68	19.05	19.15	0-5	3.5	
		1	36	18.89	19.27	19.30	0-5	3.5	
		1	74	19.11	19.14	19.19	0-5	3.5	
			36	0	18.77	19.26	19.28	0-5	3.5
			36	18	18.80	19.23	19.24	0-5	3.5
			36	39	18.80	19.24	19.11	0-5	3.5
		75	0	18.87	19.24	19.20	0-5	3.5	

LTE Band 66 _ 20 MHz Bandwidth

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	22.42	23.05	22.94	0	0
		1	49	22.41	22.87	22.74	0	0
		1	99	22.58	22.73	22.55	0	0
		50	0	22.30	22.71	22.68	0-1	0
		50	25	22.39	22.77	22.72	0-1	0
		50	49	22.44	22.82	22.66	0-1	0
	16QAM	100	0	22.38	22.72	22.74	0-1	0
		1	0	22.36	22.51	22.80	0-1	0
		1	49	22.48	22.90	22.91	0-1	0
		1	99	22.69	23.02	22.60	0-1	0
		50	0	21.82	22.21	22.25	0-2	0
		50	25	21.92	22.35	22.24	0-2	0
	64QAM	50	49	21.96	22.22	22.11	0-2	0
		100	0	21.83	22.20	22.28	0-2	0
		1	0	22.06	22.39	22.35	0-2	0.5
		1	49	21.99	22.44	22.30	0-2	0.5
		1	99	22.45	22.54	22.39	0-2	0.5
		50	0	20.69	21.17	21.21	0-3	1.5
	256QAM	50	25	20.89	21.27	21.24	0-3	1.5
		50	49	20.97	21.29	21.16	0-3	1.5
		100	0	20.88	21.23	21.26	0-3	1.5
		1	0	18.68	19.34	19.31	0-5	3.5
		1	49	18.78	19.46	19.30	0-5	3.5
		1	99	19.10	19.53	19.11	0-5	3.5
		50	0	18.76	19.27	19.22	0-5	3.5
		50	25	18.91	19.26	19.19	0-5	3.5
		50	49	18.91	19.20	19.17	0-5	3.5
		100	0	18.88	19.22	19.23	0-5	3.5

[LTE Band 2 Conducted Power_ DSI=0,1](Body mode) Ant. B

LTE Band 2 _ 1.4 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.12	18.95	19.20	0	0
		1	3	19.06	18.93	19.29	0	0
		1	5	19.15	18.91	19.19	0	0
		3	0	19.01	18.88	19.22	0	0
		3	1	19.09	18.85	19.27	0	0
		3	3	19.02	18.86	19.24	0	0
		6	0	19.05	18.91	19.27	0-1	0
	16QAM	1	0	19.41	19.02	19.57	0-1	0
		1	3	19.19	19.08	19.45	0-1	0
		1	5	19.47	19.08	19.40	0-1	0
		3	0	19.23	18.95	19.45	0-1	0
		3	1	19.15	19.07	19.41	0-1	0
		3	3	19.21	19.18	19.44	0-1	0
	64QAM	6	0	19.17	18.92	19.31	0-2	0
		1	0	19.29	19.04	19.49	0-2	0
		1	3	19.32	19.01	19.33	0-2	0
		1	5	19.16	18.97	19.34	0-2	0
		3	0	19.12	18.93	19.24	0-2	0
		3	1	19.27	18.90	19.24	0-2	0
		3	3	19.16	18.96	19.33	0-2	0
	256QAM	6	0	19.11	18.95	19.24	0-3	0
		1	0	19.26	18.93	19.40	0-5	0
		1	3	19.10	19.08	19.45	0-5	0
		1	5	19.18	18.94	19.16	0-5	0
3		0	19.07	18.92	19.31	0-5	0	
3		1	19.08	19.00	19.27	0-5	0	
3		3	19.06	18.90	19.31	0-5	0	
	6	0	19.10	18.95	19.29	0-5	0	

LTE Band 2 _ 3 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.04	18.77	19.15	0	0
		1	7	19.12	18.81	19.31	0	0
		1	14	19.05	18.79	19.17	0	0
		8	0	19.11	18.79	19.19	0-1	0
		8	3	19.09	18.95	19.22	0-1	0
		8	7	19.12	18.89	19.23	0-1	0
		15	0	19.06	18.92	19.13	0-1	0
	16QAM	1	0	19.24	19.07	19.51	0-1	0
		1	7	19.42	19.04	19.46	0-1	0
		1	14	19.30	19.05	19.36	0-1	0
		8	0	19.19	18.92	19.21	0-2	0
		8	3	19.14	19.01	19.24	0-2	0
		8	7	19.11	18.94	19.30	0-2	0
		15	0	19.13	18.92	19.26	0-2	0
	64QAM	1	0	19.16	18.99	19.47	0-2	0
		1	7	19.46	19.12	19.42	0-2	0
		1	14	19.17	18.99	19.27	0-2	0
		8	0	19.14	18.88	19.23	0-3	0
		8	3	19.12	18.97	19.27	0-3	0
		8	7	19.16	18.94	19.29	0-3	0
		15	0	19.12	18.96	19.24	0-3	0
	256QAM	1	0	19.23	18.96	19.22	0-5	0
		1	7	19.16	19.14	19.34	0-5	0
		1	14	19.16	18.87	19.30	0-5	0
		8	0	19.08	18.89	19.24	0-5	0
		8	3	19.18	18.95	19.24	0-5	0
		8	7	19.16	19.01	19.29	0-5	0
		15	0	19.17	18.93	19.19	0-5	0

LTE Band 2 _ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.00	18.82	19.11	0	0
		1	12	19.10	19.02	19.17	0	0
		1	24	19.05	18.83	19.33	0	0
		12	0	19.11	18.84	19.18	0-1	0
		12	6	19.11	18.98	19.25	0-1	0
		12	11	19.16	18.93	19.30	0-1	0
		25	0	19.12	18.89	19.18	0-1	0
	16QAM	1	0	19.13	19.12	19.29	0-1	0
		1	12	19.37	19.14	19.59	0-1	0
		1	24	19.10	19.19	19.45	0-1	0
		12	0	19.11	18.97	19.25	0-2	0
		12	6	19.18	18.99	19.27	0-2	0
		12	11	19.14	18.96	19.31	0-2	0
		25	0	19.06	18.99	19.21	0-2	0
	64QAM	1	0	19.23	18.97	19.25	0-2	0
		1	12	19.32	18.99	19.49	0-2	0
		1	24	19.08	18.91	19.35	0-2	0
		12	0	19.12	18.90	19.21	0-3	0
		12	6	19.17	18.93	19.14	0-3	0
		12	11	19.16	18.97	19.32	0-3	0
		25	0	19.13	18.89	19.19	0-3	0
	256QAM	1	0	19.33	18.94	19.20	0-5	0
		1	12	19.13	19.09	19.53	0-5	0
		1	24	19.24	19.01	19.44	0-5	0
		12	0	19.16	18.91	19.19	0-5	0
		12	6	19.15	18.95	19.26	0-5	0
		12	11	19.10	18.96	19.24	0-5	0
		25	0	19.11	18.98	19.20	0-5	0

LTE Band 2 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.14	18.89	19.15	0	0	
		1	24	19.15	18.92	19.23	0	0	
		1	49	19.03	18.88	19.22	0	0	
		25	0	19.04	18.80	19.16	0-1	0	
		25	12	19.10	19.00	19.15	0-1	0	
		25	24	19.05	18.93	19.26	0-1	0	
	16QAM	50	0	19.15	18.94	19.19	0-1	0	
		1	0	19.38	19.17	19.67	0-1	0	
		1	24	19.26	19.13	19.53	0-1	0	
		1	49	19.34	19.27	19.39	0-1	0	
		25	0	19.10	18.89	19.21	0-2	0	
		25	12	19.14	19.00	19.17	0-2	0	
	64QAM	25	24	19.08	18.93	19.37	0-2	0	
		50	0	19.15	18.96	19.25	0-2	0	
		1	0	19.25	18.97	19.40	0-2	0	
		1	24	19.22	19.06	19.43	0-2	0	
		1	49	19.16	19.22	19.45	0-2	0	
		25	0	19.07	18.89	19.21	0-3	0	
	256QAM	25	12	19.20	19.03	19.20	0-3	0	
		25	24	19.12	18.96	19.29	0-3	0	
		50	0	19.13	18.98	19.20	0-3	0	
		1	0	19.06	18.95	19.17	0-5	0	
		1	24	19.22	19.04	19.38	0-5	0	
		1	49	19.05	18.99	19.41	0-5	0	
			25	0	19.16	18.88	19.23	0-5	0
			25	12	19.15	18.99	19.24	0-5	0
			25	24	19.12	18.99	19.27	0-5	0
			50	0	19.11	18.95	19.24	0-5	0

LTE Band 2 _ 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	18.91	18.70	18.96	0	0
		1	36	18.95	18.82	18.98	0	0
		1	74	18.79	18.77	19.11	0	0
		36	0	18.95	18.72	19.03	0-1	0
		36	18	18.92	18.78	18.94	0-1	0
		36	39	18.96	18.80	19.01	0-1	0
		75	0	18.96	18.81	18.99	0-1	0
	16QAM	1	0	18.88	18.88	19.10	0-1	0
		1	36	19.13	18.91	19.29	0-1	0
		1	74	19.01	18.84	19.23	0-1	0
		36	0	18.90	18.76	18.94	0-2	0
		36	18	18.95	18.77	18.99	0-2	0
		36	39	18.99	18.81	19.13	0-2	0
		75	0	18.97	18.76	19.03	0-2	0
	64QAM	1	0	19.12	19.02	19.09	0-2	0
		1	36	19.01	19.01	19.35	0-2	0
		1	74	19.00	19.14	19.12	0-2	0
		36	0	18.89	18.74	19.01	0-3	0
		36	18	18.94	18.83	19.04	0-3	0
		36	39	18.96	18.77	19.10	0-3	0
		75	0	18.99	18.86	19.09	0-3	0
	256QAM	1	0	18.86	18.92	18.92	0-5	0
		1	36	19.19	19.03	19.23	0-5	0
		1	74	18.92	19.08	19.15	0-5	0
		36	0	18.93	18.80	19.03	0-5	0
		36	18	18.98	18.79	18.95	0-5	0
		36	39	19.00	18.70	19.14	0-5	0
		75	0	18.96	18.84	19.04	0-5	0

LTE Band 2 _ 20 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	18.89	18.74	18.85	0	0	
		1	49	18.79	18.78	19.10	0	0	
		1	99	18.79	18.86	19.11	0	0	
		50	0	19.00	18.75	18.97	0-1	0	
		50	25	18.96	18.80	19.00	0-1	0	
		50	49	18.93	18.86	19.08	0-1	0	
	16QAM	100	0	18.99	18.83	18.97	0-1	0	
		1	0	19.16	18.89	19.05	0-1	0	
		1	49	19.27	18.86	19.15	0-1	0	
		1	99	18.97	19.03	19.44	0-1	0	
		50	0	18.89	18.75	18.96	0-2	0	
		50	25	19.02	18.82	19.03	0-2	0	
	64QAM	50	49	18.98	18.75	19.00	0-2	0	
		100	0	18.92	18.85	19.02	0-2	0	
		1	0	19.40	18.96	19.14	0-2	0	
		1	49	19.30	18.89	19.19	0-2	0	
		1	99	18.98	18.91	19.16	0-2	0	
		50	0	18.90	18.73	18.99	0-3	0	
	256QAM	50	25	18.96	18.82	18.99	0-3	0	
		50	49	18.93	18.77	19.17	0-3	0	
		100	0	18.99	18.85	19.04	0-3	0	
		1	0	18.97	18.88	19.03	0-5	0	
		1	49	19.11	18.94	19.12	0-5	0	
		1	99	18.96	18.93	19.01	0-5	0	
		256QAM	50	0	18.85	18.82	19.01	0-5	0
			50	25	19.04	18.82	18.95	0-5	0
			50	49	18.98	18.84	19.11	0-5	0
			100	0	18.98	18.78	19.03	0-5	0

[LTE Band 4 Conducted Power_ DSI=0,1](Body mode) Ant. B

LTE Band 4 _ 1.4 Mhz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	18.92	19.04	19.21	0	0
		1	3	18.91	19.03	19.18	0	0
		1	5	18.92	19.10	19.17	0	0
		3	0	18.98	19.02	19.25	0-1	0
		3	1	18.97	19.07	19.18	0-1	0
		3	3	18.93	19.04	19.18	0-1	0
	16QAM	6	0	18.94	19.09	19.10	0-1	0
		1	0	19.04	19.21	19.34	0-1	0
		1	3	19.27	19.23	19.37	0-1	0
		1	5	19.14	19.32	19.41	0-1	0
		3	0	19.05	19.23	19.19	0-2	0
		3	1	19.08	19.26	19.24	0-2	0
	64QAM	3	3	19.13	19.25	19.29	0-2	0
		6	0	19.05	19.23	19.27	0-2	0
		1	0	19.03	19.09	19.32	0-2	0
		1	3	19.13	19.27	19.47	0-2	0
		1	5	18.96	19.29	19.36	0-2	0
		3	0	19.07	19.22	19.24	0-3	0
	256QAM	3	1	19.02	19.23	19.24	0-3	0
		3	3	19.11	19.18	19.28	0-3	0
		6	0	19.00	19.11	19.20	0-3	0
		1	0	18.92	18.94	19.26	0-5	0
		1	3	19.07	19.04	19.28	0-5	0
		1	5	18.92	19.21	19.16	0-5	0
		3	0	19.06	19.11	19.28	0-5	0
		3	1	18.96	19.14	19.14	0-5	0
		3	3	18.92	19.10	19.29	0-5	0
		6	0	18.97	19.07	19.20	0-5	0

LTE Band 4 _ 3 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	18.81	18.97	19.19	0	0	
		1	7	18.99	19.12	19.22	0	0	
		1	14	18.89	19.04	19.09	0	0	
		8	0	19.01	19.03	19.19	0-1	0	
		8	3	18.97	19.04	19.21	0-1	0	
		8	7	18.97	19.14	19.23	0-1	0	
	16QAM	15	0	19.03	19.04	19.20	0-1	0	
		1	0	19.00	19.20	19.34	0-1	0	
		1	7	19.31	19.49	19.30	0-1	0	
		1	14	19.17	19.22	19.33	0-1	0	
		8	0	19.03	19.11	19.13	0-2	0	
		8	3	19.07	19.21	19.27	0-2	0	
	64QAM	8	7	18.93	19.21	19.30	0-2	0	
		15	0	18.99	19.07	19.21	0-2	0	
		1	0	19.28	19.24	19.27	0-2	0	
		1	7	19.06	19.33	19.38	0-2	0	
		1	14	19.02	19.26	19.34	0-2	0	
		8	0	18.96	19.05	19.21	0-3	0	
	256QAM	8	3	19.04	19.03	19.33	0-3	0	
		8	7	19.01	19.15	19.22	0-3	0	
		15	0	18.99	19.10	19.21	0-3	0	
		1	0	18.90	19.01	19.23	0-5	0	
		1	7	19.13	19.34	19.39	0-5	0	
		1	14	19.04	19.17	19.18	0-5	0	
			8	0	18.98	19.02	19.19	0-5	0
			8	3	19.05	19.17	19.27	0-5	0
			8	7	19.02	19.18	19.28	0-5	0
			15	0	18.97	19.08	19.23	0-5	0

LTE Band 4 _ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	18.99	19.03	19.20	0	0
		1	12	19.02	19.10	19.22	0	0
		1	24	18.98	19.11	19.19	0	0
		12	0	18.90	19.05	19.06	0-1	0
		12	6	18.99	19.08	19.11	0-1	0
		12	11	18.93	19.05	19.23	0-1	0
	16QAM	25	0	18.99	19.02	19.12	0-1	0
		1	0	19.00	19.22	19.41	0-1	0
		1	12	19.24	19.43	19.41	0-1	0
		1	24	19.23	19.26	19.33	0-1	0
		12	0	18.91	19.12	19.24	0-2	0
		12	6	18.98	19.12	19.25	0-2	0
	64QAM	12	11	19.00	19.20	19.30	0-2	0
		25	0	19.00	19.10	19.14	0-2	0
		1	0	19.09	19.20	19.27	0-2	0
		1	12	19.17	19.34	19.36	0-2	0
		1	24	19.01	19.30	19.28	0-2	0
		12	0	18.95	19.09	19.17	0-3	0
	256QAM	12	6	19.08	19.14	19.19	0-3	0
		12	11	19.08	19.14	19.22	0-3	0
		25	0	18.95	19.03	19.14	0-3	0
		1	0	19.04	18.98	19.28	0-5	0
		1	12	19.07	19.27	19.42	0-5	0
		1	24	18.97	19.13	19.24	0-5	0
		12	0	18.92	19.09	19.14	0-5	0
		12	6	19.03	19.10	19.31	0-5	0
		12	11	19.07	19.11	19.23	0-5	0
		25	0	18.93	19.01	19.19	0-5	0

LTE Band 4 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	18.90	19.09	19.13	0	0
		1	24	19.03	19.19	19.26	0	0
		1	49	19.00	19.11	19.18	0	0
		25	0	18.94	19.07	19.14	0-1	0
		25	12	19.04	19.08	19.17	0-1	0
		25	24	19.00	19.14	19.16	0-1	0
	16QAM	1	0	19.23	19.28	19.21	0-1	0
		1	24	19.30	19.24	19.48	0-1	0
		1	49	19.20	19.45	19.48	0-1	0
		25	0	18.95	19.05	19.16	0-2	0
		25	12	19.04	19.10	19.20	0-2	0
		25	24	19.00	19.11	19.21	0-2	0
	64QAM	50	0	18.99	19.15	19.27	0-2	0
		1	0	18.97	19.10	19.31	0-2	0
		1	24	19.19	19.34	19.43	0-2	0
		1	49	19.18	19.35	19.34	0-2	0
		25	0	18.97	19.11	19.15	0-3	0
		25	12	19.10	19.06	19.28	0-3	0
	256QAM	25	24	19.07	19.23	19.14	0-3	0
		50	0	19.07	19.08	19.24	0-3	0
		1	0	18.88	19.19	19.24	0-5	0
		1	24	19.22	19.34	19.33	0-5	0
		1	49	19.10	19.11	19.31	0-5	0
		25	0	18.92	19.03	19.16	0-5	0
		25	12	19.04	19.20	19.29	0-5	0
		25	24	19.11	19.17	19.21	0-5	0
		50	0	19.03	19.11	19.20	0-5	0

LTE Band 4 _ 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	18.69	18.86	18.92	0	0
		1	36	18.87	18.98	19.05	0	0
		1	74	19.02	19.05	19.09	0	0
		36	0	18.78	18.93	18.95	0-1	0
		36	18	18.80	18.85	18.99	0-1	0
		36	39	18.94	19.00	19.03	0-1	0
		75	0	18.92	18.89	18.93	0-1	0
	16QAM	1	0	18.85	18.99	19.18	0-1	0
		1	36	18.91	19.19	19.15	0-1	0
		1	74	19.12	19.30	19.30	0-1	0
		36	0	18.82	18.93	19.09	0-2	0
		36	18	18.88	18.99	19.01	0-2	0
		36	39	18.94	19.07	19.08	0-2	0
		75	0	18.93	19.01	18.97	0-2	0
	64QAM	1	0	18.85	19.05	19.20	0-2	0
		1	36	18.92	19.10	19.11	0-2	0
		1	74	19.04	19.35	19.12	0-2	0
		36	0	18.82	18.92	18.93	0-3	0
		36	18	18.85	18.92	19.02	0-3	0
		36	39	18.89	19.00	19.04	0-3	0
		75	0	18.89	18.85	19.01	0-3	0
	256QAM	1	0	18.72	18.97	19.09	0-5	0
		1	36	18.98	19.02	19.06	0-5	0
		1	74	19.19	19.18	19.26	0-5	0
		36	0	18.80	18.97	18.99	0-5	0
		36	18	18.89	18.87	18.98	0-5	0
		36	39	18.88	19.00	19.02	0-5	0
75		0	18.84	18.94	18.95	0-5	0	

LTE Band 4 _ 20 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				20175 Ch. 1732.5 MHz		
20 MHz	QPSK	1	0	18.95	0	0
		1	49	18.89	0	0
		1	99	19.07	0	0
		50	0	18.86	0-1	0
		50	25	18.99	0-1	0
		50	49	19.02	0-1	0
	16QAM	100	0	18.92	0-1	0
		1	0	19.19	0-1	0
		1	49	19.05	0-1	0
		1	99	19.24	0-1	0
		50	0	18.91	0-2	0
		50	25	18.97	0-2	0
	64QAM	50	49	19.03	0-2	0
		100	0	18.90	0-2	0
		1	0	19.06	0-2	0
		1	49	18.98	0-2	0
		1	99	19.21	0-2	0
		50	0	18.89	0-3	0
	256QAM	50	25	18.99	0-3	0
		50	49	18.93	0-3	0
		100	0	18.96	0-3	0
		1	0	18.85	0-5	0
		1	49	18.98	0-5	0
		1	99	19.07	0-5	0
		50	0	18.91	0-5	0
		50	25	18.98	0-5	0
		50	49	19.02	0-5	0
		100	0	18.89	0-5	0

[LTE Band 25 Conducted Power _ DSI = 0,1](Body mode) Ant. B

LTE Band 25 1.4 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	18.90	18.82	18.84	0	0
		1	3	18.94	18.77	18.89	0	0
		1	5	18.84	18.78	18.89	0	0
		3	0	18.84	18.77	18.85	0	0
		3	1	18.89	18.74	18.88	0	0
		3	3	18.85	18.77	18.82	0	0
	16QAM	6	0	18.89	18.77	18.91	0-1	0
		1	0	19.05	19.07	19.18	0-1	0
		1	3	19.03	19.03	19.12	0-1	0
		1	5	19.24	18.84	19.21	0-1	0
		3	0	19.00	18.84	18.96	0-1	0
		3	1	19.06	18.95	19.04	0-1	0
	64QAM	3	3	19.04	18.88	18.99	0-1	0
		6	0	18.98	18.82	18.91	0-2	0
		1	0	19.01	18.95	18.96	0-2	0
		1	3	19.06	19.00	19.14	0-2	0
		1	5	19.14	18.98	19.07	0-2	0
		3	0	18.98	18.98	19.12	0-2	0
	256QAM	3	1	19.14	18.83	18.97	0-2	0
		3	3	19.03	18.79	19.02	0-2	0
		6	0	18.92	18.73	18.92	0-3	0
		1	0	18.91	18.81	19.05	0-5	0
		1	3	18.99	18.82	19.03	0-5	0
		1	5	18.87	18.81	18.98	0-5	0
		3	0	18.99	18.87	18.97	0-5	0
		3	1	18.94	18.78	19.02	0-5	0
		3	3	19.01	18.83	19.01	0-5	0
		6	0	18.91	18.82	18.91	0-5	0

LTE Band 25 3 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	18.90	18.78	18.79	0	0
		1	7	18.90	18.82	18.98	0	0
		1	14	18.82	18.74	18.93	0	0
		8	0	18.90	18.71	18.86	0-1	0
		8	3	18.98	18.89	18.98	0-1	0
		8	7	18.91	18.80	18.98	0-1	0
		15	0	18.98	18.80	18.95	0-1	0
	16QAM	1	0	19.07	18.95	19.05	0-1	0
		1	7	19.27	19.16	19.21	0-1	0
		1	14	19.04	18.94	19.01	0-1	0
		8	0	18.99	18.76	18.94	0-2	0
		8	3	19.03	18.88	19.06	0-2	0
		8	7	18.97	18.94	19.04	0-2	0
		15	0	18.91	18.84	18.99	0-2	0
	64QAM	1	0	18.96	19.01	19.05	0-2	0
		1	7	19.22	19.15	18.99	0-2	0
		1	14	19.01	18.79	18.94	0-2	0
		8	0	18.94	18.81	18.92	0-3	0
		8	3	18.94	18.82	18.98	0-3	0
		8	7	18.94	18.80	18.89	0-3	0
		15	0	18.96	18.88	18.96	0-3	0
	256QAM	1	0	19.00	18.76	18.92	0-5	0
		1	7	18.88	18.97	19.08	0-5	0
		1	14	18.96	18.75	19.13	0-5	0
8		0	18.99	18.74	18.93	0-5	0	
8		3	18.99	18.89	18.97	0-5	0	
8		7	18.91	18.89	19.01	0-5	0	
15		0	18.93	18.85	18.93	0-5	0	

LTE Band 25 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	18.83	18.79	18.88	0	0
		1	12	18.98	18.85	19.11	0	0
		1	24	18.94	18.78	18.81	0	0
		12	0	18.90	18.76	18.90	0-1	0
		12	6	18.99	18.84	19.04	0-1	0
		12	11	18.93	18.84	18.94	0-1	0
		25	0	18.91	18.86	18.98	0-1	0
	16QAM	1	0	19.20	19.01	19.17	0-1	0
		1	12	19.24	19.14	19.19	0-1	0
		1	24	19.14	19.04	19.15	0-1	0
		12	0	18.96	18.85	18.93	0-2	0
		12	6	19.06	18.84	19.09	0-2	0
		12	11	19.00	18.79	19.03	0-2	0
		25	0	18.93	18.83	18.96	0-2	0
	64QAM	1	0	19.09	18.90	19.16	0-2	0
		1	12	19.05	18.84	19.10	0-2	0
		1	24	19.08	18.88	19.09	0-2	0
		12	0	18.99	18.76	18.90	0-3	0
		12	6	19.01	18.94	19.07	0-3	0
		12	11	18.97	18.82	18.98	0-3	0
		25	0	18.89	18.82	18.93	0-3	0
	256QAM	1	0	18.94	18.85	18.97	0-5	0
		1	12	19.01	18.89	19.10	0-5	0
		1	24	18.94	18.67	18.80	0-5	0
12		0	18.96	18.73	18.86	0-5	0	
12		6	18.97	18.80	19.02	0-5	0	
12		11	18.92	18.79	19.03	0-5	0	
25		0	18.88	18.79	18.98	0-5	0	

LTE Band 25 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	18.91	18.98	18.86	0	0
		1	24	18.99	19.05	18.96	0	0
		1	49	18.90	19.04	18.83	0	0
		25	0	18.95	18.99	18.87	0-1	0
		25	12	18.96	19.07	18.87	0-1	0
		25	24	18.91	19.06	18.97	0-1	0
		50	0	18.91	19.01	18.90	0-1	0
	16QAM	1	0	19.11	19.28	19.13	0-1	0
		1	24	19.02	19.30	19.28	0-1	0
		1	49	19.18	19.23	19.29	0-1	0
		25	0	18.88	19.01	18.93	0-2	0
		25	12	18.98	19.11	19.11	0-2	0
		25	24	18.92	19.02	19.16	0-2	0
		50	0	18.94	19.02	19.13	0-2	0
	64QAM	1	0	19.00	19.10	19.34	0-2	0
		1	24	19.15	19.19	19.33	0-2	0
		1	49	18.96	19.17	19.32	0-2	0
		25	0	18.85	19.04	19.02	0-3	0
		25	12	19.00	19.03	19.10	0-3	0
		25	24	18.92	19.06	19.15	0-3	0
		50	0	18.91	19.03	19.13	0-3	0
	256QAM	1	0	18.86	18.89	19.11	0-5	0
		1	24	18.99	19.02	19.13	0-5	0
		1	49	18.81	18.93	19.15	0-5	0
25		0	18.89	18.94	19.12	0-5	0	
25		12	18.91	19.00	19.05	0-5	0	
25		24	18.95	19.03	19.19	0-5	0	
50		0	18.97	19.04	19.07	0-5	0	

LTE Band 25 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	18.96	18.84	18.78	0	0
		1	36	18.91	18.89	18.92	0	0
		1	74	18.89	18.86	18.83	0	0
		36	0	18.84	18.82	18.87	0-1	0
		36	18	18.98	18.89	18.92	0-1	0
		36	39	18.93	18.88	19.00	0-1	0
		75	0	18.95	18.90	18.90	0-1	0
	16QAM	1	0	19.17	18.99	19.11	0-1	0
		1	36	19.11	19.17	19.07	0-1	0
		1	74	19.14	18.90	19.17	0-1	0
		36	0	18.86	18.81	18.97	0-2	0
		36	18	18.94	18.90	18.86	0-2	0
		36	39	18.95	18.92	18.94	0-2	0
		75	0	18.98	18.89	19.03	0-2	0
	64QAM	1	0	19.05	19.11	19.34	0-2	0
		1	36	19.09	18.83	19.00	0-2	0
		1	74	19.16	18.77	19.01	0-2	0
		36	0	18.97	18.73	18.87	0-3	0
		36	18	19.04	18.96	18.87	0-3	0
		36	39	19.02	18.89	19.01	0-3	0
		75	0	19.02	18.86	18.92	0-3	0
	256QAM	1	0	19.04	18.84	19.04	0-5	0
		1	36	19.10	18.81	18.91	0-5	0
		1	74	19.25	18.99	19.04	0-5	0
36		0	18.97	18.80	18.82	0-5	0	
36		18	18.94	18.85	18.88	0-5	0	
36		39	19.02	18.85	18.98	0-5	0	
75		0	19.02	18.86	18.93	0-5	0	

LTE Band 25 20 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.01	18.82	18.87	0	0
		1	49	18.95	18.89	18.64	0	0
		1	99	18.90	18.91	18.82	0	0
		50	0	18.95	18.83	18.86	0-1	0
		50	25	18.94	18.95	18.84	0-1	0
		50	49	18.98	18.87	18.99	0-1	0
		100	0	18.97	18.89	18.83	0-1	0
	16QAM	1	0	19.35	18.88	19.00	0-1	0
		1	49	19.11	19.56	20.14	0-1	0
		1	99	18.99	18.97	19.01	0-1	0
		50	0	18.94	18.83	18.89	0-2	0
		50	25	18.96	18.89	18.94	0-2	0
		50	49	18.95	18.81	19.09	0-2	0
		100	0	18.96	18.90	18.88	0-2	0
	64QAM	1	0	18.95	19.00	18.89	0-2	0
		1	49	19.19	19.64	19.10	0-2	0
		1	99	18.87	19.02	19.22	0-2	0
		50	0	18.93	18.81	18.93	0-3	0
		50	25	18.94	18.83	18.95	0-3	0
		50	49	18.99	18.84	19.00	0-3	0
		100	0	19.00	18.88	18.84	0-3	0
	256QAM	1	0	18.96	18.85	18.80	0-5	0
		1	49	18.75	18.95	19.09	0-5	0
		1	99	19.04	19.04	18.98	0-5	0
50		0	18.91	18.83	18.88	0-5	0	
50		25	19.04	18.88	18.81	0-5	0	
50		49	18.96	18.90	18.93	0-5	0	
100		0	18.93	18.85	18.91	0-5	0	

[LTE Band 41 Conducted Power _ DSI=0,1] - Power Class 3(Body mode) Ant. B

LTE Band 41 _ 5 MHz Bandwidth - Power Class 3

Band width	Modulation	RB Size	RB Offset	Reduced Power [dBm]					MPR Allowed Per GPP [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	18.77	18.35	18.75	19.32	19.01	0	0
		1	12	18.74	18.50	18.86	19.42	19.16	0	0
		1	24	18.66	18.36	18.79	19.28	18.98	0	0
		12	0	18.77	18.44	18.81	19.37	19.11	0-1	0
		12	6	18.80	18.45	18.90	19.43	19.12	0-1	0
		12	11	18.70	18.46	18.89	19.36	19.09	0-1	0
	16QAM	25	0	18.69	18.44	18.90	19.36	19.09	0-1	0
		1	0	18.66	18.24	18.76	19.35	19.01	0-1	0
		1	12	18.66	18.42	18.87	19.35	19.13	0-1	0
		1	24	18.54	18.29	18.81	19.30	18.91	0-1	0
		12	0	18.74	18.43	18.80	19.35	19.10	0-2	0
		12	6	18.81	18.49	18.91	19.42	19.10	0-2	0
	64QAM	12	11	18.68	18.47	18.86	19.37	19.10	0-2	0
		25	0	18.70	18.47	18.90	19.38	19.08	0-2	0
		1	0	18.77	18.42	18.79	19.46	19.09	0-2	0
		1	12	18.83	18.51	18.94	19.46	19.16	0-2	0
		1	24	18.78	18.43	18.89	19.35	19.06	0-2	0
		12	0	18.75	18.47	18.84	19.41	19.12	0-3	0
	256QAM	12	6	18.86	18.51	18.93	19.40	19.12	0-3	0
		12	11	18.70	18.45	18.89	19.40	19.12	0-3	0
		25	0	18.71	18.46	18.88	19.40	19.09	0-3	0
		1	0	18.47	18.17	18.50	19.14	18.75	0-5	0
		1	12	18.47	18.26	18.55	19.10	18.84	0-5	0
		1	24	18.35	18.06	18.45	19.10	18.69	0-5	0
		12	0	18.60	18.27	18.60	19.24	18.92	0-5	0
12		6	18.63	18.32	18.72	19.19	18.95	0-5	0	
12		11	18.49	18.27	18.67	19.20	18.90	0-5	0	
25		0	18.49	18.26	18.69	19.21	18.89	0-5	0	

LTE Band 41 _ 10 MHz Bandwidth - Power Class 3

Band width	Modulation	RB Size	RB Offset	Reduced 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	18.78	18.39	18.82	19.30	19.05	0	0	
		1	24	18.81	18.45	18.87	19.35	19.10	0	0	
		1	49	18.70	18.33	18.97	19.33	19.01	0	0	
		25	0	18.83	18.47	18.79	19.39	19.11	0-1	0	
		25	12	18.83	18.48	18.94	19.41	19.12	0-1	0	
		25	24	18.69	18.35	18.93	19.40	19.09	0-1	0	
	16QAM	50	0	18.82	18.45	18.93	19.39	19.10	0-1	0	
		1	0	18.87	18.35	18.79	19.32	19.04	0-1	0	
		1	24	18.86	18.35	18.87	19.38	19.06	0-1	0	
		1	49	18.69	18.26	18.84	19.26	18.97	0-1	0	
		25	0	18.85	18.48	18.85	19.42	19.13	0-2	0	
		25	12	18.82	18.49	18.95	19.47	19.15	0-2	0	
	64QAM	25	24	18.76	18.39	18.92	19.40	19.10	0-2	0	
		50	0	18.85	18.48	18.90	19.43	19.12	0-2	0	
		1	0	18.98	18.44	18.94	19.41	19.16	0-2	0	
		1	24	18.86	18.64	18.93	19.50	19.15	0-2	0	
		1	49	18.83	18.38	19.06	19.34	19.11	0-2	0	
		25	0	18.83	18.49	18.84	19.41	19.13	0-3	0	
	256QAM	25	12	18.84	18.50	18.94	19.42	19.13	0-3	0	
		25	24	18.72	18.39	18.94	19.42	19.09	0-3	0	
		50	0	18.83	18.47	18.90	19.38	19.11	0-3	0	
		1	0	18.56	18.13	18.63	19.13	18.96	0-5	0	
		1	24	18.64	18.23	18.63	19.22	18.87	0-5	0	
		1	49	18.38	18.18	18.65	19.04	18.65	0-5	0	
			25	0	18.62	18.34	18.60	19.24	18.91	0-5	0
			25	12	18.64	18.33	18.73	19.23	18.94	0-5	0
			25	24	18.53	18.22	18.70	19.18	18.90	0-5	0
			50	0	18.62	18.28	18.75	19.22	18.93	0-5	0

LTE Band 41 _ 15 Mhz Bandwidth- Power Class 3

Band width	Modulation	RB Size	RB Offset	Reduced 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	18.64	18.25	18.65	19.22	18.95	0	0
		1	36	18.61	18.25	18.72	19.17	18.90	0	0
		1	74	18.57	18.29	18.84	19.16	18.87	0	0
		36	0	18.65	18.33	18.66	19.25	18.98	0-1	0
		36	18	18.67	18.32	18.74	19.22	18.94	0-1	0
		36	39	18.55	18.23	18.71	19.23	18.94	0-1	0
		75	0	18.58	18.31	18.77	19.25	18.95	0-1	0
	16QAM	1	0	18.53	18.20	18.54	19.19	18.82	0-1	0
		1	36	18.46	18.23	18.65	19.13	18.76	0-1	0
		1	74	18.49	18.14	18.78	19.09	18.78	0-1	0
		36	0	18.66	18.36	18.73	19.28	18.97	0-2	0
		36	18	18.66	18.30	18.73	19.24	18.93	0-2	0
		36	39	18.57	18.22	18.76	19.24	18.91	0-2	0
		75	0	18.58	18.31	18.77	19.25	18.96	0-2	0
	64QAM	1	0	18.77	18.31	18.68	19.24	19.12	0-2	0
		1	36	18.82	18.51	18.74	19.23	19.05	0-2	0
		1	74	18.66	18.36	18.90	19.24	19.02	0-2	0
		36	0	18.67	18.33	18.70	19.27	18.98	0-3	0
		36	18	18.66	18.31	18.79	19.24	18.93	0-3	0
		36	39	18.56	18.22	18.76	19.24	18.91	0-3	0
		75	0	18.59	18.33	18.80	19.25	18.99	0-3	0
	256QAM	1	0	18.30	17.95	18.25	18.92	18.69	0-5	0
		1	36	18.33	18.06	18.50	19.09	18.61	0-5	0
		1	74	18.45	18.08	18.72	19.00	18.64	0-5	0
		36	0	18.51	18.14	18.45	19.09	18.80	0-5	0
		36	18	18.45	18.13	18.56	19.05	18.74	0-5	0
		36	39	18.38	18.04	18.54	19.02	18.75	0-5	0
		75	0	18.37	18.14	18.58	19.09	18.79	0-5	0

LTE Band 41 _ 20 MHz Bandwidth - Power Class 3

Band width	Modulation	RB Size	RB Offset	Reduced 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	18.64	18.22	18.63	19.26	19.02	0	0
		1	49	18.65	18.19	18.71	19.10	18.86	0	0
		1	99	18.52	18.15	18.83	19.17	18.85	0	0
		50	0	18.71	18.34	18.64	19.28	18.99	0-1	0
		50	25	18.67	18.30	18.79	19.25	18.98	0-1	0
		50	49	18.53	18.23	18.83	19.27	18.91	0-1	0
	16QAM	100	0	18.61	18.30	18.77	19.25	18.98	0-1	0
		1	0	18.61	18.13	18.54	19.24	19.04	0-1	0
		1	49	18.70	18.21	18.66	19.11	18.88	0-1	0
		1	99	18.33	18.12	18.73	19.22	18.86	0-1	0
		50	0	18.68	18.34	18.69	19.28	19.01	0-2	0
		50	25	18.68	18.31	18.79	19.28	18.98	0-2	0
	64QAM	50	49	18.54	18.18	18.87	19.24	18.94	0-2	0
		100	0	18.57	18.30	18.79	19.26	18.96	0-2	0
		1	0	18.74	18.34	18.77	19.46	19.13	0-2	0
		1	49	18.81	18.38	18.79	19.31	18.99	0-2	0
		1	99	18.65	18.20	18.96	19.24	18.98	0-2	0
		50	0	18.70	18.39	18.69	19.31	19.02	0-3	0
	256QAM	50	25	18.69	18.34	18.81	19.30	18.98	0-3	0
		50	49	18.59	18.25	18.85	19.23	18.96	0-3	0
		100	0	18.61	18.31	18.78	19.33	18.97	0-3	0
		1	0	18.39	18.07	18.49	19.08	18.82	0-5	0
		1	49	18.59	18.03	18.38	18.87	18.70	0-5	0
		1	99	18.27	17.98	18.72	18.87	18.63	0-5	0
		50	0	18.49	18.15	18.52	19.09	18.83	0-5	0
		50	25	18.47	18.12	18.59	19.08	18.72	0-5	0
		50	49	18.39	18.06	18.62	19.07	18.74	0-5	0
		100	0	18.45	18.15	18.58	19.08	18.81	0-5	0

Note; LTE Band 41 has 5 required test channels per FCC KDB 447498 D04v01.

[LTE Band 41 Conducted Power_ DSI = 0,1] - Power Class 2(Body mode) Ant. B

LTE Band 41 _ 5 MHz Bandwidth - Power Class 2

Band width	Modulation	RB Size	RB Offset	Reduced Power [dBm]					MPR Allowed Per GPP [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	20.35	19.99	20.43	20.96	20.70	0	0
		1	12	20.36	20.06	20.60	21.07	20.77	0	0
		1	24	20.39	20.06	20.48	21.01	20.66	0	0
		12	0	20.41	20.09	20.43	21.00	20.71	0-1	0
		12	6	20.40	20.10	20.54	21.04	20.74	0-1	0
		12	11	20.30	20.10	20.51	21.00	20.69	0-1	0
		25	0	20.31	20.06	20.51	21.02	20.69	0-1	0
	16QAM	1	0	20.65	20.24	20.60	21.24	20.89	0-1	0
		1	12	20.61	20.33	20.69	21.24	20.85	0-1	0
		1	24	20.56	20.20	20.70	21.15	20.82	0-1	0
		12	0	20.44	20.10	20.46	21.02	20.77	0-2	0
		12	6	20.49	20.19	20.54	21.09	20.76	0-2	0
		12	11	20.34	20.11	20.55	21.04	20.75	0-2	0
		25	0	20.34	20.08	20.50	21.02	20.73	0-2	0
	64QAM	1	0	20.65	20.40	20.63	21.24	20.89	0-2	0
		1	12	20.80	20.34	20.83	21.28	21.00	0-2	0
		1	24	20.60	20.33	20.76	21.28	20.92	0-2	0
		12	0	20.41	20.08	20.47	21.04	20.68	0-3	0
		12	6	20.39	20.14	20.52	21.10	20.79	0-3	0
		12	11	20.34	20.11	20.57	21.09	20.67	0-3	0
		25	0	20.31	20.06	20.49	20.99	20.72	0-3	0
	256QAM	1	0	20.04	19.70	20.10	20.73	20.36	0-5	0.1
		1	12	20.16	19.79	20.27	20.76	20.43	0-5	0.1
		1	24	19.99	19.63	20.15	20.65	20.33	0-5	0.1
		12	0	20.01	19.68	20.03	20.62	20.29	0-5	0.1
12		6	20.04	19.74	20.15	20.64	20.33	0-5	0.1	
12		11	19.92	19.69	20.11	20.58	20.32	0-5	0.1	
25		0	19.91	19.67	20.12	20.61	20.26	0-5	0.1	

LTE Band 41 _ 10 MHz Bandwidth - Power Class 2

Band width	Modulation	RB Size	RB Offset	Reduced 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	20.50	20.16	20.54	21.01	20.85	0	0
		1	24	20.46	20.13	20.56	21.03	20.77	0	0
		1	49	20.34	20.12	20.61	20.96	20.71	0	0
		25	0	20.42	20.06	20.43	21.04	20.72	0-1	0
		25	12	20.46	20.09	20.54	21.04	20.72	0-1	0
		25	24	20.33	20.04	20.53	21.03	20.71	0-1	0
	16QAM	50	0	20.42	20.09	20.52	21.03	20.68	0-1	0
		1	0	20.68	20.27	20.65	21.21	20.90	0-1	0
		1	24	20.78	20.34	20.64	21.30	20.90	0-1	0
		1	49	20.50	20.17	20.77	21.19	20.88	0-1	0
		25	0	20.45	20.15	20.49	21.03	20.76	0-2	0
		25	12	20.45	20.13	20.58	21.06	20.76	0-2	0
	64QAM	25	24	20.37	20.05	20.56	21.03	20.73	0-2	0
		50	0	20.41	20.11	20.52	21.01	20.70	0-2	0
		1	0	20.81	20.34	20.77	21.26	20.98	0-2	0
		1	24	20.68	20.49	20.73	21.37	20.98	0-2	0
		1	49	20.68	20.27	20.76	21.28	20.98	0-2	0
		25	0	20.48	20.08	20.47	21.04	20.74	0-3	0
	256QAM	25	12	20.41	20.11	20.58	21.04	20.78	0-3	0
		25	24	20.36	20.04	20.53	21.04	20.74	0-3	0
		50	0	20.46	20.09	20.54	21.07	20.73	0-3	0
		1	0	20.07	19.79	20.15	20.74	20.40	0-5	0.1
		1	24	20.19	19.80	20.24	20.73	20.44	0-5	0.1
		1	49	20.02	19.79	20.26	20.59	20.26	0-5	0.1
	25	0	20.06	19.74	20.09	20.61	20.34	0-5	0.1	
	25	12	20.03	19.73	20.12	20.65	20.33	0-5	0.1	
	25	24	19.95	19.60	20.14	20.60	20.27	0-5	0.1	
	50	0	20.04	19.72	20.14	20.63	20.29	0-5	0.1	

LTE Band 41 _ 15 Mhz Bandwidth- Power Class 2

Band width	Modulation	RB Size	RB Offset	Reduced 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	20.25	20.08	20.24	20.99	20.66	0	0
		1	36	20.20	20.08	20.33	20.84	20.43	0	0
		1	74	20.15	20.05	20.40	20.86	20.48	0	0
		36	0	20.30	19.94	20.26	20.89	20.60	0-1	0
		36	18	20.28	19.94	20.32	20.86	20.53	0-1	0
		36	39	20.18	19.85	20.38	20.87	20.54	0-1	0
		75	0	20.22	19.97	20.37	20.89	20.55	0-1	0
	16QAM	1	0	20.46	20.14	20.43	21.08	20.77	0-1	0
		1	36	20.48	20.10	20.54	21.07	20.82	0-1	0
		1	74	20.38	20.10	20.56	20.96	20.72	0-1	0
		36	0	20.29	19.97	20.30	20.89	20.59	0-2	0
		36	18	20.25	19.97	20.38	20.91	20.58	0-2	0
		36	39	20.15	19.88	20.41	20.90	20.54	0-2	0
		75	0	20.20	19.94	20.36	20.87	20.56	0-2	0
	64QAM	1	0	20.46	20.18	20.60	21.15	20.92	0-2	0
		1	36	20.56	20.28	20.60	21.09	20.82	0-2	0
		1	74	20.47	20.27	20.79	21.13	20.78	0-2	0
		36	0	20.30	19.93	20.25	20.88	20.57	0-3	0
		36	18	20.24	19.96	20.36	20.85	20.50	0-3	0
		36	39	20.16	19.89	20.42	20.84	20.52	0-3	0
		75	0	20.19	19.95	20.39	20.82	20.54	0-3	0
	256QAM	1	0	20.03	19.65	19.95	20.66	20.33	0-5	0.1
		1	36	20.10	19.53	20.10	20.62	20.26	0-5	0.1
		1	74	19.83	19.45	20.11	20.37	20.24	0-5	0.1
		36	0	19.91	19.57	19.86	20.49	20.22	0-5	0.1
		36	18	19.88	19.53	19.94	20.47	20.17	0-5	0.1
		36	39	19.82	19.44	19.95	20.49	20.15	0-5	0.1
		75	0	19.82	19.56	19.96	20.49	20.17	0-5	0.1

LTE Band 41 _ 20 MHz Bandwidth - Power Class 2

Band width	Modulation	RB Size	RB Offset	Reduced 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	20.32	20.10	20.38	21.06	20.72	0	0
		1	49	20.37	19.93	20.27	20.74	20.61	0	0
		1	99	20.09	19.95	20.54	20.89	20.51	0	0
		50	0	20.28	19.96	20.27	20.87	20.61	0-1	0
		50	25	20.27	19.95	20.37	20.90	20.57	0-1	0
		50	49	20.20	19.85	20.42	20.89	20.50	0-1	0
		100	0	20.21	19.93	20.36	20.89	20.57	0-1	0
	16QAM	1	0	20.39	20.15	20.53	21.19	20.93	0-1	0
		1	49	20.50	20.32	20.88	21.13	20.72	0-1	0
		1	99	20.21	20.07	20.62	21.02	20.64	0-1	0
		50	0	20.31	19.97	20.24	20.91	20.62	0-2	0
		50	25	20.31	19.97	20.40	20.89	20.58	0-2	0
		50	49	20.15	19.84	20.46	20.86	20.53	0-2	0
		100	0	20.24	19.95	20.42	20.88	20.59	0-2	0
	64QAM	1	0	20.69	20.35	20.48	21.17	20.93	0-2	0
		1	49	20.72	20.25	20.57	21.04	20.83	0-2	0
		1	99	20.36	20.17	20.79	21.04	20.81	0-2	0
		50	0	20.27	19.95	20.32	20.88	20.60	0-3	0
		50	25	20.28	19.97	20.38	20.86	20.57	0-3	0
		50	49	20.17	19.85	20.43	20.84	20.54	0-3	0
		100	0	20.17	19.95	20.38	20.90	20.53	0-3	0
	256QAM	1	0	19.99	19.75	19.97	20.66	20.51	0-5	0.1
		1	49	20.00	19.63	20.03	20.55	20.36	0-5	0.1
		1	99	19.99	19.54	20.21	20.49	20.08	0-5	0.1
		50	0	19.96	19.57	19.90	20.50	20.22	0-5	0.1
		50	25	19.92	19.56	19.98	20.49	20.19	0-5	0.1
		50	49	19.83	19.42	20.01	20.49	20.14	0-5	0.1
		100	0	19.81	19.53	19.95	20.50	20.18	0-5	0.1

Note; LTE Band 41 has 5 required test channels per FCC KDB 447498 D04v01.

[LTE Band 66 Conducted Power_DSI =0,1] (Body mode) Ant. B

LTE Band 66 _ 1.4 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	18.86	18.94	19.23	0	0
		1	3	18.71	19.12	19.27	0	0
		1	5	18.62	19.03	19.16	0	0
		3	0	18.70	18.91	19.15	0	0
		3	1	18.80	18.98	19.10	0	0
		3	3	18.71	18.95	19.20	0	0
	16QAM	6	0	18.73	18.97	19.23	0-1	0
		1	0	18.93	19.27	19.40	0-1	0
		1	3	19.00	19.34	19.47	0-1	0
		1	5	18.87	19.24	19.27	0-1	0
		3	0	18.82	19.09	19.26	0-1	0
		3	1	18.88	19.21	19.39	0-1	0
	64QAM	3	3	18.91	19.15	19.25	0-1	0
		6	0	18.76	19.07	19.30	0-2	0
		1	0	18.98	19.08	19.37	0-2	0
		1	3	18.86	19.17	19.30	0-2	0
		1	5	18.90	19.17	19.31	0-2	0
		3	0	18.83	19.13	19.25	0-2	0
	256QAM	3	1	18.80	19.14	19.28	0-2	0
		3	3	18.88	19.05	19.40	0-2	0
		6	0	18.77	19.06	19.29	0-3	0
		1	0	18.78	18.89	19.23	0-5	0
		1	3	18.87	19.15	19.24	0-5	0
		1	5	18.75	19.04	19.34	0-5	0
		3	0	18.82	18.99	19.14	0-5	0
		3	1	18.90	19.05	19.23	0-5	0
		3	3	18.79	19.08	19.35	0-5	0
		6	0	18.78	19.07	19.16	0-5	0

LTE Band 66 _ 3 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	18.83	19.18	19.27	0	0
		1	7	19.00	19.21	19.42	0	0
		1	14	18.90	19.13	19.35	0	0
		8	0	18.98	19.08	19.31	0-1	0
		8	3	18.98	19.17	19.43	0-1	0
		8	7	18.97	19.18	19.38	0-1	0
		15	0	18.94	19.08	19.42	0-1	0
	16QAM	1	0	18.94	19.42	19.54	0-1	0
		1	7	19.16	19.69	19.53	0-1	0
		1	14	19.09	19.23	19.73	0-1	0
		8	0	19.04	19.18	19.42	0-2	0
		8	3	18.95	19.17	19.47	0-2	0
		8	7	19.05	19.30	19.51	0-2	0
		15	0	18.99	19.15	19.35	0-2	0
	64QAM	1	0	19.16	19.26	19.50	0-2	0
		1	7	19.05	19.37	19.62	0-2	0
		1	14	19.17	19.36	19.55	0-2	0
		8	0	19.06	19.15	19.28	0-3	0
		8	3	19.12	19.15	19.44	0-3	0
		8	7	19.00	19.21	19.48	0-3	0
		15	0	19.01	19.14	19.34	0-3	0
	256QAM	1	0	18.88	19.23	19.44	0-5	0
		1	7	19.17	19.38	19.57	0-5	0
		1	14	19.05	19.25	19.54	0-5	0
		8	0	19.01	19.09	19.36	0-5	0
		8	3	18.99	19.20	19.53	0-5	0
		8	7	18.99	19.20	19.48	0-5	0
		15	0	19.03	19.11	19.39	0-5	0

LTE Band 66 _ 5 Mhz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	18.97	19.19	19.38	0	0
		1	12	18.96	19.23	19.40	0	0
		1	24	18.86	19.10	19.45	0	0
		12	0	18.94	19.13	19.29	0-1	0
		12	6	19.01	19.21	19.37	0-1	0
		12	11	18.99	19.21	19.37	0-1	0
		25	0	19.01	19.11	19.35	0-1	0
	16QAM	1	0	19.25	19.29	19.53	0-1	0
		1	12	19.28	19.32	19.62	0-1	0
		1	24	19.21	19.42	19.59	0-1	0
		12	0	18.89	19.22	19.33	0-2	0
		12	6	19.05	19.16	19.41	0-2	0
		12	11	19.01	19.30	19.51	0-2	0
		25	0	19.02	19.09	19.37	0-2	0
	64QAM	1	0	18.94	19.24	19.62	0-2	0
		1	12	19.15	19.54	19.54	0-2	0
		1	24	19.15	19.26	19.59	0-2	0
		12	0	18.96	19.16	19.31	0-3	0
		12	6	19.03	19.22	19.48	0-3	0
		12	11	19.02	19.24	19.50	0-3	0
		25	0	19.02	19.14	19.37	0-3	0
	256QAM	1	0	19.04	19.23	19.34	0-5	0
		1	12	19.09	19.27	19.59	0-5	0
		1	24	19.05	19.37	19.45	0-5	0
		12	0	18.90	19.22	19.37	0-5	0
		12	6	19.09	19.22	19.38	0-5	0
		12	11	19.01	19.22	19.48	0-5	0
		25	0	19.01	19.14	19.38	0-5	0

LTE Band 66 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.11	19.20	19.46	0	0
		1	24	18.92	19.29	19.47	0	0
		1	49	18.92	19.24	19.40	0	0
		25	0	18.90	19.14	19.33	0-1	0
		25	12	19.06	19.15	19.38	0-1	0
		25	24	18.99	19.21	19.43	0-1	0
		50	0	19.03	19.18	19.31	0-1	0
	16QAM	1	0	19.20	19.29	19.63	0-1	0
		1	24	19.30	19.41	19.55	0-1	0
		1	49	19.35	19.55	19.56	0-1	0
		25	0	18.92	19.19	19.31	0-2	0
		25	12	19.12	19.22	19.45	0-2	0
		25	24	19.07	19.26	19.52	0-2	0
		50	0	19.03	19.17	19.35	0-2	0
	64QAM	1	0	19.15	19.46	19.47	0-2	0
		1	24	19.11	19.29	19.58	0-2	0
		1	49	19.23	19.43	19.55	0-2	0
		25	0	18.97	19.15	19.39	0-3	0
		25	12	19.04	19.18	19.38	0-3	0
		25	24	19.07	19.32	19.51	0-3	0
		50	0	19.00	19.21	19.38	0-3	0
	256QAM	1	0	19.08	19.23	19.39	0-5	0
		1	24	19.07	19.28	19.51	0-5	0
		1	49	18.97	19.30	19.45	0-5	0
		25	0	19.00	19.18	19.29	0-5	0
		25	12	19.06	19.23	19.44	0-5	0
		25	24	18.97	19.21	19.46	0-5	0
		50	0	19.02	19.19	19.35	0-5	0

LTE Band 66 _ 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	18.76	18.89	19.09	0	0
		1	36	18.97	18.94	19.25	0	0
		1	74	19.01	19.10	19.24	0	0
		36	0	18.85	19.02	19.17	0-1	0
		36	18	18.92	18.95	19.17	0-1	0
		36	39	19.00	19.12	19.29	0-1	0
		75	0	18.87	18.94	19.14	0-1	0
	16QAM	1	0	18.85	19.08	19.25	0-1	0
		1	36	19.11	19.25	19.35	0-1	0
		1	74	19.02	19.36	19.41	0-1	0
		36	0	18.78	19.01	19.21	0-2	0
		36	18	18.86	19.01	19.27	0-2	0
		36	39	18.84	19.08	19.28	0-2	0
		75	0	18.89	18.98	19.22	0-2	0
	64QAM	1	0	19.11	19.33	19.13	0-2	0
		1	36	19.06	19.15	19.22	0-2	0
		1	74	19.18	19.29	19.45	0-2	0
		36	0	18.79	19.00	19.22	0-3	0
		36	18	18.92	18.98	19.24	0-3	0
		36	39	18.90	19.11	19.25	0-3	0
		75	0	18.95	19.08	19.18	0-3	0
	256QAM	1	0	18.82	19.09	19.39	0-5	0
		1	36	18.99	19.14	19.29	0-5	0
		1	74	19.13	19.14	19.40	0-5	0
		36	0	18.83	19.06	19.22	0-5	0
		36	18	18.92	19.03	19.14	0-5	0
		36	39	18.97	19.11	19.27	0-5	0
		75	0	18.95	19.00	19.22	0-5	0

LTE Band 66 _ 20 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	18.76	18.95	19.29	0	0
		1	49	18.84	18.99	19.20	0	0
		1	99	19.10	19.06	19.33	0	0
		50	0	18.85	19.03	19.18	0-1	0
		50	25	18.97	18.96	19.14	0-1	0
		50	49	18.90	19.07	19.26	0-1	0
		100	0	18.88	19.00	19.19	0-1	0
	16QAM	1	0	19.07	19.11	19.27	0-1	0
		1	49	19.13	19.29	19.25	0-1	0
		1	99	19.01	19.30	19.44	0-1	0
		50	0	18.82	19.06	19.16	0-2	0
		50	25	18.89	19.03	19.17	0-2	0
		50	49	18.88	19.03	19.26	0-2	0
		100	0	18.89	18.94	19.19	0-2	0
	64QAM	1	0	18.97	19.14	19.23	0-2	0
		1	49	18.97	19.45	19.51	0-2	0
		1	99	19.11	19.21	19.38	0-2	0
		50	0	18.84	19.06	19.12	0-3	0
		50	25	18.85	19.04	19.20	0-3	0
		50	49	19.01	19.10	19.27	0-3	0
		100	0	18.95	19.03	19.18	0-3	0
	256QAM	1	0	18.80	18.97	19.11	0-5	0
		1	49	19.07	19.09	19.33	0-5	0
		1	99	19.05	19.20	19.61	0-5	0
		50	0	18.83	19.07	19.12	0-5	0
		50	25	18.99	18.99	19.24	0-5	0
		50	49	18.86	19.12	19.33	0-5	0
		100	0	18.90	19.06	19.20	0-5	0

[LTE Band 2 Conducted Power_ DSI=0,1](Body mode) Ant. F

LTE Band 2 _ 1.4 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.76	19.89	20.18	0	0
		1	3	19.84	19.77	20.22	0	0
		1	5	19.72	19.68	20.08	0	0
		3	0	19.77	19.77	20.12	0	0
		3	1	19.76	19.75	20.14	0	0
		3	3	19.81	19.74	20.17	0	0
		6	0	19.80	19.71	20.17	0-1	0
	16QAM	1	0	20.14	20.35	20.40	0-1	0
		1	3	20.03	20.02	20.29	0-1	0
		1	5	20.01	19.88	20.20	0-1	0
		3	0	19.87	19.77	20.18	0-1	0
		3	1	19.93	19.84	20.26	0-1	0
		3	3	19.87	19.81	20.29	0-1	0
	64QAM	6	0	19.87	19.83	20.18	0-2	0
		1	0	19.82	19.95	20.31	0-2	0
		1	3	19.93	19.92	20.29	0-2	0
		1	5	19.72	19.95	20.13	0-2	0
		3	0	19.79	19.82	20.17	0-2	0
		3	1	19.83	19.76	20.20	0-2	0
	256QAM	3	3	19.84	19.75	20.16	0-2	0
		6	0	19.89	19.85	20.19	0-3	0
		1	0	18.99	18.82	19.14	0-5	1
		1	3	19.02	18.97	19.43	0-5	1
		1	5	18.94	18.98	19.25	0-5	1
3		0	18.88	18.89	19.32	0-5	1	
3		1	18.90	18.86	19.27	0-5	1	
3		3	18.94	18.89	19.22	0-5	1	
	6	0	18.91	18.83	19.26	0-5	1	

LTE Band 2 _ 3 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.61	19.69	20.00	0	0
		1	7	20.04	19.78	20.19	0	0
		1	14	19.75	19.72	20.07	0	0
		8	0	19.77	19.82	20.05	0-1	0
		8	3	19.84	19.86	20.21	0-1	0
		8	7	19.82	19.78	20.15	0-1	0
		15	0	19.83	19.85	20.18	0-1	0
	16QAM	1	0	20.06	19.94	20.21	0-1	0
		1	7	20.07	20.10	20.39	0-1	0
		1	14	19.99	19.90	20.28	0-1	0
		8	0	19.85	19.86	20.11	0-2	0
		8	3	19.91	19.84	20.24	0-2	0
		8	7	19.84	19.83	20.24	0-2	0
		15	0	19.81	19.81	20.17	0-2	0
	64QAM	1	0	19.90	19.85	20.32	0-2	0
		1	7	19.97	20.02	20.35	0-2	0
		1	14	19.90	19.80	20.22	0-2	0
		8	0	19.80	19.80	20.06	0-3	0
		8	3	19.89	19.88	20.21	0-3	0
		8	7	19.76	19.77	20.19	0-3	0
		15	0	19.84	19.86	20.20	0-3	0
	256QAM	1	0	18.90	18.96	19.28	0-5	1
		1	7	19.07	18.93	19.44	0-5	1
		1	14	18.94	18.92	19.25	0-5	1
		8	0	18.97	18.93	19.17	0-5	1
		8	3	18.96	18.94	19.24	0-5	1
		8	7	18.94	18.92	19.24	0-5	1
		15	0	18.89	18.88	19.21	0-5	1

LTE Band 2 _ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.73	19.71	20.13	0	0
		1	12	19.89	19.70	20.10	0	0
		1	24	19.81	19.77	20.14	0	0
		12	0	19.83	19.79	20.10	0-1	0
		12	6	19.89	19.89	20.20	0-1	0
		12	11	19.82	19.83	20.14	0-1	0
		25	0	19.83	19.76	20.06	0-1	0
	16QAM	1	0	19.89	19.95	20.24	0-1	0
		1	12	20.02	19.99	20.48	0-1	0
		1	24	20.08	20.14	20.33	0-1	0
		12	0	19.87	19.81	20.16	0-2	0
		12	6	19.81	19.84	20.21	0-2	0
		12	11	19.79	19.85	20.23	0-2	0
		25	0	19.80	19.79	20.10	0-2	0
	64QAM	1	0	20.00	19.91	20.17	0-2	0
		1	12	20.05	19.96	20.28	0-2	0
		1	24	19.88	19.87	20.34	0-2	0
		12	0	19.82	19.82	20.09	0-3	0
		12	6	19.86	19.83	20.26	0-3	0
		12	11	19.89	19.82	20.24	0-3	0
		25	0	19.87	19.78	20.11	0-3	0
	256QAM	1	0	19.00	18.92	19.24	0-5	1
		1	12	19.08	19.04	19.51	0-5	1
		1	24	19.06	19.10	19.29	0-5	1
		12	0	18.95	18.95	19.18	0-5	1
		12	6	18.93	18.88	19.26	0-5	1
		12	11	18.91	18.97	19.31	0-5	1
		25	0	18.94	18.91	19.14	0-5	1

LTE Band 2 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.72	19.82	20.10	0	0	
		1	24	19.83	19.83	20.16	0	0	
		1	49	19.78	19.75	20.08	0	0	
		25	0	19.78	19.77	20.03	0-1	0	
		25	12	19.88	19.84	20.07	0-1	0	
		25	24	19.84	19.80	20.21	0-1	0	
	16QAM	50	0	19.84	19.80	20.06	0-1	0	
		1	0	20.07	19.97	20.31	0-1	0	
		1	24	20.09	19.95	20.34	0-1	0	
		1	49	19.97	19.99	20.45	0-1	0	
		25	0	19.81	19.79	20.06	0-2	0	
		25	12	19.86	19.87	20.09	0-2	0	
	64QAM	25	24	19.85	19.86	20.15	0-2	0	
		50	0	19.85	19.83	20.07	0-2	0	
		1	0	19.93	19.89	20.28	0-2	0	
		1	24	20.09	19.96	20.33	0-2	0	
		1	49	20.08	19.93	20.29	0-2	0	
		25	0	19.83	19.86	20.09	0-3	0	
	256QAM	25	12	19.84	19.92	20.12	0-3	0	
		25	24	19.88	19.86	20.17	0-3	0	
		50	0	19.85	19.81	20.08	0-3	0	
		1	0	19.08	18.83	19.32	0-5	1	
		1	24	18.94	19.14	19.25	0-5	1	
		1	49	18.95	18.99	19.25	0-5	1	
		256QAM	25	0	18.96	18.90	19.10	0-5	1
			25	12	19.01	18.96	19.21	0-5	1
			25	24	18.96	18.97	19.22	0-5	1
		50	0	18.93	18.88	19.12	0-5	1	

LTE Band 2 _ 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.60	19.53	19.74	0	0
		1	36	19.74	19.58	19.89	0	0
		1	74	19.65	19.67	19.99	0	0
		36	0	19.70	19.66	19.81	0-1	0
		36	18	19.66	19.71	19.89	0-1	0
		36	39	19.74	19.65	20.00	0-1	0
		75	0	19.70	19.70	19.91	0-1	0
	16QAM	1	0	19.82	19.69	19.91	0-1	0
		1	36	19.81	19.78	20.07	0-1	0
		1	74	19.95	19.92	20.22	0-1	0
		36	0	19.62	19.71	19.84	0-2	0
		36	18	19.69	19.66	19.99	0-2	0
		36	39	19.69	19.73	20.01	0-2	0
		75	0	19.61	19.62	19.92	0-2	0
	64QAM	1	0	19.84	19.71	20.01	0-2	0
		1	36	19.78	19.63	19.87	0-2	0
		1	74	19.99	19.71	20.11	0-2	0
		36	0	19.63	19.61	19.85	0-3	0
		36	18	19.65	19.56	19.92	0-3	0
		36	39	19.69	19.64	20.03	0-3	0
		75	0	19.64	19.63	20.01	0-3	0
	256QAM	1	0	18.87	18.85	18.89	0-5	1
		1	36	18.90	18.82	19.03	0-5	1
		1	74	18.81	18.90	19.25	0-5	1
		36	0	18.67	18.71	18.94	0-5	1
		36	18	18.79	18.76	19.10	0-5	1
		36	39	18.71	18.75	19.15	0-5	1
75		0	18.75	18.75	19.06	0-5	1	

LTE Band 2 _ 20 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.54	19.53	19.66	0	0
		1	49	19.63	19.62	19.81	0	0
		1	99	19.74	19.79	20.02	0	0
		50	0	19.71	19.50	19.86	0-1	0
		50	25	19.76	19.68	19.98	0-1	0
		50	49	19.71	19.68	19.94	0-1	0
	16QAM	100	0	19.70	19.64	19.93	0-1	0
		1	0	19.85	19.74	19.92	0-1	0
		1	49	19.84	19.90	20.11	0-1	0
		1	99	19.87	19.80	19.99	0-1	0
		50	0	19.63	19.59	19.88	0-2	0
		50	25	19.68	19.69	20.01	0-2	0
	64QAM	50	49	19.68	19.72	19.96	0-2	0
		100	0	19.73	19.66	19.95	0-2	0
		1	0	19.74	19.66	19.91	0-2	0
		1	49	19.74	19.66	20.09	0-2	0
		1	99	19.77	19.95	20.31	0-2	0
		50	0	19.65	19.53	19.90	0-3	0
	256QAM	50	25	19.78	19.68	20.04	0-3	0
		50	49	19.68	19.69	20.06	0-3	0
		100	0	19.71	19.64	19.97	0-3	0
		1	0	18.79	18.84	18.96	0-5	1
		1	49	18.81	18.74	19.04	0-5	1
		1	99	18.78	18.76	19.21	0-5	1
		50	0	18.79	18.65	18.99	0-5	1
		50	25	18.75	18.70	19.00	0-5	1
		50	49	18.84	18.84	19.14	0-5	1
		100	0	18.77	18.77	18.97	0-5	1

[LTE Band 4 Conducted Power_ DSI=0,1](Body mode) Ant. F

LTE Band 4 _ 1.4 Mhz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.63	20.23	20.22	0	0
		1	3	19.65	20.33	20.21	0	0
		1	5	19.68	20.16	20.17	0	0
		3	0	19.67	20.17	20.18	0-1	0
		3	1	19.68	20.24	20.29	0-1	0
		3	3	19.73	20.29	20.25	0-1	0
	16QAM	6	0	19.62	20.25	20.28	0-1	0
		1	0	19.87	20.56	20.33	0-1	0
		1	3	19.96	20.52	20.43	0-1	0
		1	5	19.90	20.45	20.53	0-1	0
		3	0	19.84	20.31	20.31	0-2	0
		3	1	19.78	20.36	20.34	0-2	0
	64QAM	3	3	19.84	20.34	20.25	0-2	0
		6	0	19.77	20.30	20.33	0-2	0
		1	0	19.78	20.33	20.29	0-2	0
		1	3	19.96	20.54	20.42	0-2	0
		1	5	19.87	20.24	20.38	0-2	0
		3	0	19.73	20.28	20.38	0-3	0
	256QAM	3	1	19.81	20.39	20.30	0-3	0
		3	3	19.80	20.24	20.33	0-3	0
		6	0	19.67	20.23	20.20	0-3	0
		1	0	18.86	19.31	19.28	0-5	1
		1	3	18.82	19.40	19.54	0-5	1
		1	5	18.75	19.28	19.44	0-5	1
	3	0	18.85	19.27	19.38	0-5	1	
	3	1	18.89	19.38	19.44	0-5	1	
	3	3	18.83	19.41	19.41	0-5	1	
	6	0	18.89	19.30	19.35	0-5	1	

LTE Band 4 _ 3 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.69	20.18	20.14	0	0	
		1	7	19.66	20.26	20.22	0	0	
		1	14	19.65	20.21	20.18	0	0	
		8	0	19.74	20.20	20.25	0-1	0	
		8	3	19.71	20.23	20.32	0-1	0	
		8	7	19.74	20.29	20.33	0-1	0	
	16QAM	15	0	19.79	20.25	20.21	0-1	0	
		1	0	19.91	20.44	20.34	0-1	0	
		1	7	19.92	20.50	20.47	0-1	0	
		1	14	19.95	20.37	20.28	0-1	0	
		8	0	19.79	20.25	20.32	0-2	0	
		8	3	19.87	20.27	20.43	0-2	0	
	64QAM	8	7	19.84	20.34	20.31	0-2	0	
		15	0	19.74	20.26	20.27	0-2	0	
		1	0	19.74	20.25	20.34	0-2	0	
		1	7	19.89	20.46	20.47	0-2	0	
		1	14	19.79	20.38	20.25	0-2	0	
		8	0	19.78	20.18	20.24	0-3	0	
	256QAM	8	3	19.80	20.24	20.32	0-3	0	
		8	7	19.76	20.29	20.32	0-3	0	
		15	0	19.79	20.18	20.31	0-3	0	
		1	0	18.82	19.33	19.33	0-5	1	
		1	7	19.01	19.51	19.03	0-5	1	
		1	14	18.97	19.37	19.49	0-5	1	
			8	0	18.82	19.30	19.39	0-5	1
			8	3	18.87	19.32	19.48	0-5	1
			8	7	18.90	19.37	19.39	0-5	1
			15	0	18.93	19.34	19.34	0-5	1

LTE Band 4 _ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.76	20.10	20.22	0	0
		1	12	19.78	20.27	20.35	0	0
		1	24	19.74	20.23	20.23	0	0
		12	0	19.65	20.18	20.32	0-1	0
		12	6	19.84	20.24	20.29	0-1	0
		12	11	19.82	20.23	20.32	0-1	0
	16QAM	25	0	19.76	20.25	20.32	0-1	0
		1	0	19.74	20.33	20.44	0-1	0
		1	12	20.10	20.56	20.65	0-1	0
		1	24	19.90	20.24	20.50	0-1	0
		12	0	19.73	20.17	20.35	0-2	0
		12	6	19.79	20.31	20.33	0-2	0
	64QAM	12	11	19.86	20.37	20.27	0-2	0
		25	0	19.80	20.25	20.30	0-2	0
		1	0	19.83	20.28	20.41	0-2	0
		1	12	20.00	20.41	20.36	0-2	0
		1	24	19.72	20.39	20.32	0-2	0
		12	0	19.72	20.18	20.29	0-3	0
	256QAM	12	6	19.81	20.23	20.31	0-3	0
		12	11	19.71	20.27	20.34	0-3	0
		25	0	19.72	20.22	20.32	0-3	0
		1	0	18.82	19.40	19.38	0-5	1
		1	12	18.93	19.57	19.53	0-5	1
		1	24	18.94	19.54	19.49	0-5	1
	12	0	18.79	19.33	19.40	0-5	1	
	12	6	18.90	19.36	19.39	0-5	1	
	12	11	18.98	19.37	19.42	0-5	1	
	25	0	18.88	19.38	19.35	0-5	1	

LTE Band 4 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.67	20.15	20.27	0	0	
		1	24	19.84	20.30	20.28	0	0	
		1	49	19.87	20.38	20.24	0	0	
		25	0	19.73	20.22	20.30	0-1	0	
		25	12	19.85	20.27	20.30	0-1	0	
		25	24	19.93	20.26	20.26	0-1	0	
	16QAM	50	0	19.89	20.25	20.35	0-1	0	
		1	0	19.92	20.29	20.42	0-1	0	
		1	24	20.13	20.66	20.55	0-1	0	
		1	49	20.14	20.31	20.37	0-1	0	
		25	0	19.77	20.22	20.36	0-2	0	
		25	12	19.92	20.27	20.38	0-2	0	
	64QAM	25	24	19.91	20.28	20.38	0-2	0	
		50	0	19.87	20.25	20.40	0-2	0	
		1	0	19.84	20.38	20.36	0-2	0	
		1	24	19.91	20.60	20.29	0-2	0	
		1	49	19.95	20.36	20.43	0-2	0	
		25	0	19.71	20.27	20.31	0-3	0	
	256QAM	25	12	19.93	20.23	20.32	0-3	0	
		25	24	19.87	20.18	20.33	0-3	0	
		50	0	19.91	20.29	20.30	0-3	0	
		1	0	18.83	19.31	19.30	0-5	1	
		1	24	18.95	19.57	19.46	0-5	1	
		1	49	19.11	19.24	19.34	0-5	1	
		256QAM	25	0	18.81	19.33	19.44	0-5	1
			25	12	18.98	19.33	19.42	0-5	1
			25	24	18.90	19.30	19.42	0-5	1
			50	0	18.92	19.30	19.40	0-5	1

LTE Band 4 _ 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.41	19.83	19.97	0	0
		1	36	19.73	20.16	19.95	0	0
		1	74	20.15	20.23	20.01	0	0
		36	0	19.66	20.05	20.13	0-1	0
		36	18	19.70	20.08	20.14	0-1	0
		36	39	19.93	20.17	20.14	0-1	0
		75	0	19.70	20.13	20.14	0-1	0
	16QAM	1	0	19.64	20.14	20.32	0-1	0
		1	36	19.75	20.28	20.21	0-1	0
		1	74	20.00	20.24	20.25	0-1	0
		36	0	19.62	20.03	20.20	0-2	0
		36	18	19.77	20.16	20.12	0-2	0
		36	39	19.91	20.13	20.19	0-2	0
		75	0	19.76	20.08	20.16	0-2	0
	64QAM	1	0	19.58	20.03	20.39	0-2	0
		1	36	19.88	20.19	20.22	0-2	0
		1	74	20.14	20.07	20.41	0-2	0
		36	0	19.65	20.08	20.26	0-3	0
		36	18	19.73	20.11	20.08	0-3	0
		36	39	19.85	20.08	20.24	0-3	0
		75	0	19.79	20.04	20.13	0-3	0
	256QAM	1	0	18.64	19.03	19.25	0-5	1
		1	36	18.89	19.35	19.17	0-5	1
		1	74	19.10	19.35	19.20	0-5	1
		36	0	18.77	19.10	19.28	0-5	1
		36	18	18.91	19.10	19.26	0-5	1
		36	39	18.93	19.18	19.31	0-5	1
75		0	18.85	19.14	19.33	0-5	1	

LTE Band 4 _ 20 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced Power [dBm]		MPR Allowed Per 3GPP [dB]	MPR [dB]	
				20175 Ch. 1732.5 MHz				
20 MHz	QPSK	1	0	20.11		0	0	
		1	49	20.10		0	0	
		1	99	20.13		0	0	
		50	0	19.96		0-1	0	
		50	25	20.03		0-1	0	
		50	49	20.07		0-1	0	
	16QAM	100	0	20.05		0-1	0	
		1	0	20.17		0-1	0	
		1	49	20.76		0-1	0	
		1	99	20.38		0-1	0	
		50	0	20.05		0-2	0	
		50	25	19.99		0-2	0	
	64QAM	50	49	20.10		0-2	0	
		100	0	20.01		0-2	0	
		1	0	20.11		0-2	0	
		1	49	20.12		0-2	0	
		1	99	20.24		0-2	0	
		50	0	20.02		0-3	0	
	256QAM	50	25	20.05		0-3	0	
		50	49	20.14		0-3	0	
		100	0	20.06		0-3	0	
		1	0	18.99		0-5	1	
		1	49	19.20		0-5	1	
		1	99	19.28		0-5	1	
			50	0	19.09		0-5	1
			50	25	19.22		0-5	1
			50	49	19.17		0-5	1
			100	0	19.19		0-5	1

[LTE Band 25 Conducted Power _ DSI = 0,1](Body mode) Ant. F

LTE Band 25 1.4 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.48	19.71	19.89	0	0
		1	3	19.68	19.70	19.81	0	0
		1	5	19.46	19.63	19.97	0	0
		3	0	19.56	19.61	19.87	0	0
		3	1	19.52	19.65	19.93	0	0
		3	3	19.53	19.62	19.91	0	0
	16QAM	6	0	19.56	19.62	19.86	0-1	0
		1	0	19.79	20.03	20.10	0-1	0
		1	3	19.73	19.84	20.13	0-1	0
		1	5	19.78	19.76	20.11	0-1	0
		3	0	19.65	19.71	20.01	0-1	0
		3	1	19.63	19.83	20.00	0-1	0
	64QAM	3	3	19.65	19.69	20.05	0-1	0
		6	0	19.59	19.73	20.00	0-2	0
		1	0	19.74	19.73	19.98	0-2	0
		1	3	19.65	19.69	20.02	0-2	0
		1	5	19.67	19.76	19.84	0-2	0
		3	0	19.58	19.68	20.04	0-2	0
	256QAM	3	1	19.72	19.74	19.98	0-2	0
		3	3	19.59	19.70	19.92	0-2	0
		6	0	19.61	19.64	19.89	0-3	0
		1	0	18.61	18.91	19.06	0-5	1
		1	3	18.80	18.76	19.17	0-5	1
		1	5	18.69	18.77	19.05	0-5	1
	256QAM	3	0	18.78	18.78	19.04	0-5	1
		3	1	18.74	18.80	19.01	0-5	1
		3	3	18.65	18.76	19.03	0-5	1
		6	0	18.63	18.74	18.94	0-5	1

LTE Band 25 3 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.41	19.59	19.82	0	0
		1	7	19.56	19.65	19.90	0	0
		1	14	19.48	19.56	19.81	0	0
		8	0	19.58	19.62	19.89	0-1	0
		8	3	19.59	19.72	19.91	0-1	0
		8	7	19.56	19.67	19.93	0-1	0
		15	0	19.55	19.68	19.80	0-1	0
	16QAM	1	0	19.77	19.92	19.91	0-1	0
		1	7	19.89	19.96	20.31	0-1	0
		1	14	19.76	19.84	20.20	0-1	0
		8	0	19.61	19.68	19.90	0-2	0
		8	3	19.68	19.69	19.94	0-2	0
		8	7	19.59	19.73	19.92	0-2	0
		15	0	19.69	19.64	19.88	0-2	0
	64QAM	1	0	19.65	19.71	20.07	0-2	0
		1	7	19.79	19.88	20.18	0-2	0
		1	14	19.74	19.78	20.04	0-2	0
		8	0	19.67	19.66	19.90	0-3	0
		8	3	19.61	19.65	19.85	0-3	0
		8	7	19.62	19.71	19.95	0-3	0
		15	0	19.55	19.70	19.81	0-3	0
	256QAM	1	0	18.74	18.81	18.98	0-5	1
		1	7	18.71	18.85	19.17	0-5	1
		1	14	18.81	18.75	19.09	0-5	1
		8	0	18.73	18.77	18.94	0-5	1
		8	3	18.69	18.83	18.88	0-5	1
		8	7	18.67	18.77	18.95	0-5	1
		15	0	18.69	18.77	18.97	0-5	1

LTE Band 25 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.50	19.55	19.75	0	0
		1	12	19.58	19.67	19.88	0	0
		1	24	19.51	19.60	19.88	0	0
		12	0	19.56	19.69	19.84	0-1	0
		12	6	19.66	19.75	19.84	0-1	0
		12	11	19.55	19.69	19.93	0-1	0
		25	0	19.54	19.69	19.78	0-1	0
	16QAM	1	0	19.81	19.71	20.02	0-1	0
		1	12	19.80	19.85	20.12	0-1	0
		1	24	19.87	19.80	20.22	0-1	0
		12	0	19.61	19.71	19.90	0-2	0
		12	6	19.68	19.68	19.92	0-2	0
		12	11	19.65	19.73	19.94	0-2	0
		25	0	19.63	19.67	19.79	0-2	0
	64QAM	1	0	19.76	19.80	20.01	0-2	0
		1	12	19.79	19.89	20.01	0-2	0
		1	24	19.72	19.73	20.10	0-2	0
		12	0	19.52	19.61	19.80	0-3	0
		12	6	19.63	19.68	19.90	0-3	0
		12	11	19.61	19.64	19.92	0-3	0
		25	0	19.60	19.66	19.80	0-3	0
	256QAM	1	0	18.67	18.80	18.98	0-5	1
		1	12	18.84	18.83	19.18	0-5	1
		1	24	18.82	18.78	19.04	0-5	1
		12	0	18.70	18.74	18.91	0-5	1
		12	6	18.67	18.83	18.96	0-5	1
		12	11	18.73	18.75	18.98	0-5	1
25		0	18.64	18.80	18.96	0-5	1	

LTE Band 25 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.45	19.53	19.74	0	0
		1	24	19.55	19.72	19.85	0	0
		1	49	19.60	19.67	19.89	0	0
		25	0	19.60	19.59	19.81	0-1	0
		25	12	19.68	19.69	19.87	0-1	0
		25	24	19.59	19.71	19.96	0-1	0
		50	0	19.60	19.65	19.97	0-1	0
	16QAM	1	0	20.06	19.87	19.93	0-1	0
		1	24	19.87	20.09	20.16	0-1	0
		1	49	19.74	20.05	20.05	0-1	0
		25	0	19.58	19.62	19.82	0-2	0
		25	12	19.66	19.72	20.01	0-2	0
		25	24	19.69	19.72	19.94	0-2	0
		50	0	19.67	19.67	19.94	0-2	0
	64QAM	1	0	19.69	19.74	19.91	0-2	0
		1	24	19.80	19.80	19.97	0-2	0
		1	49	19.82	19.62	20.08	0-2	0
		25	0	19.66	19.57	19.81	0-3	0
		25	12	19.66	19.68	19.95	0-3	0
		25	24	19.61	19.71	19.95	0-3	0
		50	0	19.63	19.65	19.94	0-3	0
	256QAM	1	0	18.66	18.85	18.90	0-5	1
		1	24	18.80	18.93	19.06	0-5	1
		1	49	18.81	18.80	19.09	0-5	1
25		0	18.65	18.60	18.91	0-5	1	
25		12	18.72	18.84	19.06	0-5	1	
25		24	18.72	18.77	19.02	0-5	1	
50		0	18.70	18.78	19.07	0-5	1	

LTE Band 25 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.34	19.26	19.43	0	0
		1	36	19.33	19.52	19.68	0	0
		1	74	19.48	19.51	19.56	0	0
		36	0	19.48	19.39	19.58	0-1	0
		36	18	19.40	19.48	19.70	0-1	0
		36	39	19.47	19.50	19.73	0-1	0
		75	0	19.48	19.60	19.71	0-1	0
	16QAM	1	0	19.61	19.59	19.91	0-1	0
		1	36	19.64	19.69	19.94	0-1	0
		1	74	19.68	19.63	19.74	0-1	0
		36	0	19.52	19.49	19.69	0-2	0
		36	18	19.51	19.58	19.78	0-2	0
		36	39	19.51	19.54	19.72	0-2	0
		75	0	19.52	19.62	19.70	0-2	0
	64QAM	1	0	19.57	19.54	19.70	0-2	0
		1	36	19.63	19.74	19.91	0-2	0
		1	74	19.57	19.73	19.87	0-2	0
		36	0	19.52	19.49	19.60	0-3	0
		36	18	19.53	19.54	19.82	0-3	0
		36	39	19.49	19.54	19.75	0-3	0
		75	0	19.51	19.52	19.67	0-3	0
	256QAM	1	0	18.62	18.50	18.77	0-5	1
		1	36	18.71	18.61	18.77	0-5	1
		1	74	18.62	18.79	19.08	0-5	1
		36	0	18.60	18.53	18.74	0-5	1
		36	18	18.62	18.69	18.81	0-5	1
		36	39	18.64	18.65	18.81	0-5	1
		75	0	18.57	18.63	18.78	0-5	1

LTE Band 25 20 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.35	19.49	19.43	0	0
		1	49	19.47	19.85	19.66	0	0
		1	99	19.46	19.68	19.68	0	0
		50	0	19.48	19.41	19.60	0-1	0
		50	25	19.46	19.52	19.73	0-1	0
		50	49	19.52	19.57	19.70	0-1	0
		100	0	19.50	19.46	19.71	0-1	0
	16QAM	1	0	19.60	19.61	19.62	0-1	0
		1	49	19.58	19.75	19.75	0-1	0
		1	99	19.64	19.70	20.06	0-1	0
		50	0	19.55	19.47	19.61	0-2	0
		50	25	19.54	19.54	19.72	0-2	0
		50	49	19.53	19.52	19.80	0-2	0
		100	0	19.56	19.56	19.73	0-2	0
	64QAM	1	0	19.52	19.57	19.70	0-2	0
		1	49	19.60	19.54	19.59	0-2	0
		1	99	19.64	19.64	19.82	0-2	0
		50	0	19.48	19.46	19.56	0-3	0
		50	25	19.52	19.52	19.76	0-3	0
		50	49	19.51	19.61	19.77	0-3	0
		100	0	19.49	19.57	19.72	0-3	0
	256QAM	1	0	18.68	18.77	18.62	0-5	1
		1	49	18.68	18.90	18.78	0-5	1
		1	99	18.68	18.81	18.83	0-5	1
50		0	18.60	18.57	18.64	0-5	1	
50		25	18.69	18.66	18.85	0-5	1	
50		49	18.57	18.71	18.88	0-5	1	
100		0	18.63	18.66	18.87	0-5	1	

[LTE Band 41 Conducted Power _ DSI=0,1] - Power Class 3(Body mode) Ant. F

LTE Band 41 _ 5 MHz Bandwidth - Power Class 3

Band width	Modulation	RB Size	RB Offset	Reduced Power [dBm]					MPR Allowed Per GPP [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	20.38	20.92	20.99	21.03	21.18	0	0
		1	12	20.52	21.01	21.10	21.13	21.24	0	0
		1	24	20.36	20.87	21.04	21.11	21.13	0	0
		12	0	20.40	20.92	21.09	21.10	21.11	0-1	0
		12	6	20.51	21.03	21.15	20.90	21.25	0-1	0
		12	11	20.48	20.99	21.12	21.17	21.19	0-1	0
	16QAM	25	0	20.46	20.99	21.15	21.08	21.17	0-1	0
		1	0	20.41	20.82	21.01	21.05	21.10	0-1	0
		1	12	20.51	20.99	21.10	21.14	21.14	0-1	0
		1	24	20.30	20.87	20.99	21.10	21.06	0-1	0
		12	0	20.40	20.88	21.10	21.05	21.15	0-2	0
		12	6	20.52	21.01	21.16	21.11	21.20	0-2	0
	64QAM	12	11	20.51	20.97	21.13	21.15	21.21	0-2	0
		25	0	20.52	20.97	21.08	21.07	21.20	0-2	0
		1	0	20.44	20.94	21.08	21.17	21.16	0-2	0
		1	12	20.45	21.02	21.21	21.27	21.20	0-2	0
		1	24	20.52	20.99	20.99	21.14	21.18	0-2	0
		12	0	20.22	20.70	20.94	20.90	20.51	0-3	0
	256QAM	12	6	20.24	20.77	20.95	20.91	20.43	0-3	0
		12	11	20.30	20.79	20.91	20.98	20.41	0-3	0
		25	0	20.28	20.82	20.94	20.90	20.45	0-3	0
		1	0	18.17	18.61	18.80	18.67	18.55	0-5	2
		1	12	18.20	18.72	18.79	19.01	18.33	0-5	2
		1	24	18.21	18.59	18.82	18.96	18.47	0-5	2
		12	0	18.23	18.69	18.92	18.90	18.59	0-5	2
12		6	18.37	18.78	18.90	18.93	18.48	0-5	2	
12		11	18.31	18.82	18.91	19.00	18.49	0-5	2	
25		0	18.30	18.75	18.94	18.95	18.52	0-5	2	

LTE Band 41 _ 10 MHz Bandwidth - Power Class 3

Band width	Modulation	RB Size	RB Offset	Reduced 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	20.39	20.88	21.03	21.07	21.20	0	0
		1	24	20.42	20.94	21.09	21.12	21.24	0	0
		1	49	20.40	20.97	21.06	21.04	21.17	0	0
		25	0	20.38	20.88	21.18	21.09	21.16	0-1	0
		25	12	20.48	21.01	21.17	21.12	21.24	0-1	0
		25	24	20.48	21.00	21.13	21.15	21.22	0-1	0
	16QAM	50	0	20.46	20.98	21.16	21.10	21.23	0-1	0
		1	0	20.37	20.83	21.06	21.00	21.12	0-1	0
		1	24	20.44	20.87	21.09	21.08	21.22	0-1	0
		1	49	20.43	20.88	20.97	21.11	21.08	0-1	0
		25	0	20.45	20.85	21.19	21.14	21.16	0-2	0
		25	12	20.51	21.01	21.20	21.14	21.26	0-2	0
	64QAM	25	24	20.51	20.96	21.17	21.19	21.23	0-2	0
		50	0	20.48	20.95	21.14	21.09	21.24	0-2	0
		1	0	20.52	20.89	21.09	21.18	21.10	0-2	0
		1	24	20.49	21.05	21.14	21.21	21.29	0-2	0
		1	49	20.47	21.02	21.09	21.15	21.25	0-2	0
		25	0	20.23	20.65	20.92	20.92	20.55	0-3	0
	256QAM	25	12	20.28	20.78	20.94	20.92	20.38	0-3	0
		25	24	20.28	20.73	20.94	20.95	20.37	0-3	0
		50	0	20.30	20.77	20.96	20.88	20.46	0-3	0
		1	0	18.14	18.61	18.78	18.85	18.86	0-5	2
		1	24	18.17	18.61	18.84	18.97	18.26	0-5	2
		1	49	18.29	18.68	18.69	18.90	18.46	0-5	2
		25	0	18.23	18.68	18.96	18.88	18.65	0-5	2
		25	12	18.35	18.79	18.94	18.92	18.48	0-5	2
		25	24	18.29	18.75	18.92	19.02	18.45	0-5	2
		50	0	18.31	18.75	18.93	18.95	18.55	0-5	2

LTE Band 41 _ 15 MHz Bandwidth- Power Class 3

Band width	Modulation	RB Size	RB Offset	Reduced 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	20.18	20.64	20.90	20.95	21.05	0	0
		1	36	20.23	20.68	20.88	20.92	21.08	0	0
		1	74	20.23	20.82	20.87	20.94	21.02	0	0
		36	0	20.26	20.73	20.91	20.96	21.05	0-1	0
		36	18	20.34	20.72	20.96	20.95	21.00	0-1	0
		36	39	20.34	20.83	20.95	21.04	21.08	0-1	0
		75	0	20.32	20.81	21.01	20.96	21.09	0-1	0
	16QAM	1	0	20.14	20.50	20.88	20.94	20.94	0-1	0
		1	36	20.27	20.71	20.94	20.99	20.92	0-1	0
		1	74	20.24	20.89	20.87	20.97	20.79	0-1	0
		36	0	20.22	20.74	20.92	20.94	21.01	0-2	0
		36	18	20.31	20.70	20.97	20.95	20.99	0-2	0
		36	39	20.31	20.84	20.97	21.02	21.03	0-2	0
		75	0	20.35	20.82	20.98	20.95	21.05	0-2	0
	64QAM	1	0	20.31	20.62	21.04	21.08	21.15	0-2	0
		1	36	20.27	20.72	20.87	21.06	21.03	0-2	0
		1	74	20.35	20.85	20.94	21.05	21.03	0-2	0
		36	0	20.07	20.51	20.70	20.73	20.48	0-3	0
		36	18	20.10	20.52	20.77	20.77	20.27	0-3	0
		36	39	20.08	20.61	20.75	20.79	20.21	0-3	0
		75	0	20.15	20.61	20.78	20.76	20.34	0-3	0
	256QAM	1	0	17.93	18.40	18.74	18.78	18.74	0-5	2
		1	36	17.95	18.61	18.58	18.78	18.31	0-5	2
		1	74	18.21	18.56	18.78	18.66	18.26	0-5	2
		36	0	18.05	18.59	18.74	18.79	18.59	0-5	2
		36	18	18.09	18.54	18.77	18.78	18.36	0-5	2
		36	39	18.17	18.64	18.76	18.80	18.29	0-5	2
		75	0	18.17	18.65	18.82	18.77	18.45	0-5	2

LTE Band 41 _ 20 MHz Bandwidth - Power Class 3

Band width	Modulation	RB Size	RB Offset	Reduced 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	20.27	20.61	20.94	21.00	21.15	0	0
		1	49	20.26	20.69	20.87	20.91	21.08	0	0
		1	99	20.30	20.78	20.87	20.96	21.07	0	0
		50	0	20.31	20.74	20.94	20.97	21.04	0-1	0
		50	25	20.36	20.83	21.01	20.99	21.14	0-1	0
		50	49	20.33	20.81	20.94	21.03	21.06	0-1	0
	16QAM	100	0	20.39	20.81	21.03	20.94	21.01	0-1	0
		1	0	20.16	20.59	20.87	20.94	21.10	0-1	0
		1	49	20.23	20.84	20.83	21.05	20.92	0-1	0
		1	99	20.21	20.79	20.82	20.99	20.96	0-1	0
		50	0	20.26	20.72	20.95	20.97	21.01	0-2	0
		50	25	20.31	20.83	21.01	20.97	21.11	0-2	0
	64QAM	50	49	20.33	20.81	20.96	21.02	21.03	0-2	0
		100	0	20.35	20.80	20.98	20.96	21.02	0-2	0
		1	0	20.37	20.67	21.08	21.07	21.18	0-2	0
		1	49	20.40	20.85	21.00	21.07	20.98	0-2	0
		1	99	20.26	20.79	20.94	21.07	21.04	0-2	0
		50	0	20.10	20.53	20.73	20.82	20.57	0-3	0
	256QAM	50	25	20.17	20.63	20.79	20.79	20.31	0-3	0
		50	49	20.16	20.61	20.80	20.84	20.24	0-3	0
		100	0	20.17	20.60	20.81	20.79	20.42	0-3	0
		1	0	17.98	18.45	18.74	18.79	18.89	0-5	2
		1	49	18.00	18.53	18.73	18.65	18.31	0-5	2
		1	99	18.10	18.64	18.58	18.84	18.31	0-5	2
		50	0	18.07	18.56	18.78	18.78	18.66	0-5	2
		50	25	18.16	18.68	18.81	18.82	18.41	0-5	2
		50	49	18.16	18.69	18.74	18.83	18.33	0-5	2
		100	0	18.16	18.66	18.80	18.79	18.50	0-5	2

Note; LTE Band 41 has 5 required test channels per FCC KDB 447498 D04v01.

[LTE Band 41 Conducted Power_ DSI = 0,1] - Power Class 2(Body mode) Ant. F

LTE Band 41 _ 5 MHz Bandwidth - Power Class 2

Band width	Modulation	RB Size	RB Offset	Reduced Power [dBm]					MPR Allowed Per GPP [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	22.19	22.52	22.75	22.81	22.81	0	0
		1	12	22.13	22.62	22.86	22.96	22.89	0	0
		1	24	22.15	22.65	22.77	22.87	22.84	0	0
		12	0	22.10	22.60	22.82	22.78	22.79	0-1	0
		12	6	22.21	22.69	22.86	22.85	22.86	0-1	0
		12	11	22.17	22.67	22.79	22.90	22.81	0-1	0
		25	0	22.17	22.67	22.81	22.80	22.86	0-1	0
	16QAM	1	0	22.40	22.76	22.99	23.10	23.05	0-1	0
		1	12	22.48	22.91	23.06	23.08	23.05	0-1	0
		1	24	22.29	22.79	22.93	23.02	23.01	0-1	0
		12	0	22.14	22.63	22.85	22.83	22.03	0-2	0
		12	6	22.25	22.76	22.85	22.87	21.96	0-2	0
		12	11	22.22	22.69	22.81	22.91	21.91	0-2	0
		25	0	22.20	22.69	22.81	22.81	21.95	0-2	0
	64QAM	1	0	22.42	22.92	23.09	23.11	22.38	0-2	0
		1	12	22.56	23.05	23.12	23.16	22.15	0-2	0
		1	24	22.41	22.97	23.07	23.17	22.11	0-2	0
		12	0	21.76	22.16	22.45	22.45	21.01	0-3	0.1
		12	6	21.81	22.34	22.45	22.39	21.01	0-3	0.1
		12	11	21.83	22.35	22.44	22.53	20.92	0-3	0.1
		25	0	21.79	22.28	22.44	22.42	21.00	0-3	0.1
	256QAM	1	0	20.01	20.30	20.40	20.55	19.94	0-5	2.1
		1	12	20.17	20.42	20.59	20.69	19.67	0-5	2.1
		1	24	20.07	20.40	20.39	20.50	19.69	0-5	2.1
		12	0	19.95	20.23	20.48	20.42	19.68	0-5	2.1
12		6	20.04	20.33	20.51	20.44	19.69	0-5	2.1	
12		11	20.00	20.36	20.45	20.53	19.66	0-5	2.1	
25		0	20.02	20.29	20.44	20.48	19.69	0-5	2.1	

LTE Band 41 _ 10 MHz Bandwidth - Power Class 2

Band width	Modulation	RB Size	RB Offset	Reduced 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	22.17	22.63	22.91	22.87	22.96	0	0
		1	24	22.20	22.69	22.88	22.91	22.92	0	0
		1	49	22.19	22.69	22.83	22.90	22.87	0	0
		25	0	22.09	22.58	22.82	22.83	22.81	0-1	0
		25	12	22.24	22.72	22.85	22.84	22.87	0-1	0
		25	24	22.19	22.70	22.84	22.88	22.87	0-1	0
	16QAM	50	0	22.18	22.70	22.81	22.80	22.85	0-1	0
		1	0	22.32	22.81	22.97	23.04	23.08	0-1	0
		1	24	22.38	22.98	23.02	23.05	23.02	0-1	0
		1	49	22.36	22.95	22.99	23.19	22.98	0-1	0
		25	0	22.14	22.63	22.85	22.86	22.18	0-2	0
		25	12	22.25	22.74	22.85	22.87	22.03	0-2	0
	64QAM	25	24	22.21	22.76	22.82	22.88	21.98	0-2	0
		50	0	22.22	22.69	22.82	22.83	22.06	0-2	0
		1	0	22.55	22.89	23.08	23.14	22.65	0-2	0
		1	24	22.48	22.97	23.20	23.22	22.18	0-2	0
		1	49	22.45	23.06	23.03	23.19	22.33	0-2	0
		25	0	21.73	22.22	22.45	22.43	21.20	0-3	0.1
	256QAM	25	12	21.82	22.33	22.46	22.45	21.03	0-3	0.1
		25	24	21.81	22.35	22.46	22.49	20.99	0-3	0.1
		50	0	21.81	22.32	22.43	22.43	21.10	0-3	0.1
		1	0	20.05	20.24	20.56	20.54	20.14	0-5	2.1
		1	24	20.05	20.46	20.55	20.59	19.75	0-5	2.1
		1	49	20.12	20.49	20.45	20.63	19.76	0-5	2.1
	25	0	19.96	20.19	20.48	20.45	19.83	0-5	2.1	
	25	12	20.09	20.30	20.47	20.53	19.64	0-5	2.1	
	25	24	20.04	20.32	20.45	20.53	19.60	0-5	2.1	
	50	0	20.03	20.32	20.43	20.46	19.72	0-5	2.1	

LTE Band 41 _ 15 MHz Bandwidth- Power Class 2

Band width	Modulation	RB Size	RB Offset	Reduced 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	22.00	22.40	22.70	22.81	22.72	0	0
		1	36	21.99	22.53	22.60	22.83	22.77	0	0
		1	74	22.17	22.59	22.74	22.76	22.71	0	0
		36	0	21.99	22.46	22.67	22.70	22.69	0-1	0
		36	18	22.08	22.47	22.72	22.65	22.66	0-1	0
		36	39	22.02	22.54	22.72	22.75	22.72	0-1	0
		75	0	22.09	22.54	22.74	22.71	22.73	0-1	0
	16QAM	1	0	22.21	22.66	22.86	22.89	22.95	0-1	0
		1	36	22.09	22.71	22.83	23.08	22.92	0-1	0
		1	74	22.17	22.84	22.81	23.07	22.88	0-1	0
		36	0	21.99	22.49	22.66	22.72	22.14	0-2	0
		36	18	22.06	22.48	22.70	22.66	21.93	0-2	0
		36	39	22.03	22.55	22.67	22.75	21.86	0-2	0
		75	0	22.07	22.56	22.66	22.67	21.99	0-2	0
	64QAM	1	0	22.27	22.74	22.95	22.98	22.66	0-2	0
		1	36	22.34	22.76	22.83	23.10	22.21	0-2	0
		1	74	22.25	22.98	23.01	23.00	22.09	0-2	0
		36	0	21.58	22.08	22.26	22.27	21.16	0-3	0.1
		36	18	21.65	22.08	22.27	22.26	20.93	0-3	0.1
		36	39	21.62	22.19	22.24	22.37	20.87	0-3	0.1
		75	0	21.70	22.16	22.27	22.28	21.01	0-3	0.1
	256QAM	1	0	19.94	20.13	20.30	20.39	20.16	0-5	2.1
		1	36	19.86	20.26	20.44	20.56	19.72	0-5	2.1
		1	74	20.01	20.38	20.51	20.55	19.65	0-5	2.1
		36	0	19.84	20.07	20.30	20.32	19.78	0-5	2.1
		36	18	19.86	20.08	20.35	20.31	19.77	0-5	2.1
		36	39	19.87	20.17	20.30	20.33	19.68	0-5	2.1
		75	0	19.89	20.19	20.34	20.32	19.64	0-5	2.1

LTE Band 41 _ 20 MHz Bandwidth - Power Class 2

Band width	Modulation	RB Size	RB Offset	Reduced 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	22.12	22.42	22.78	22.87	22.89	0	0
		1	49	21.96	22.42	22.60	22.79	22.81	0	0
		1	99	22.16	22.61	22.67	22.77	22.72	0	0
		50	0	21.99	22.49	22.66	22.70	22.69	0-1	0
		50	25	22.08	22.54	22.73	22.70	22.78	0-1	0
		50	49	22.06	22.54	22.71	22.78	22.76	0-1	0
	16QAM	100	0	22.09	22.57	22.72	22.69	22.70	0-1	0
		1	0	22.29	22.61	22.88	22.88	22.92	0-1	0
		1	49	22.22	22.99	22.90	22.97	23.04	0-1	0
		1	99	22.17	22.85	22.82	22.94	22.99	0-1	0
		50	0	22.01	22.49	22.67	22.70	22.22	0-2	0
		50	25	22.03	22.56	22.69	22.69	21.97	0-2	0
	64QAM	50	49	22.02	22.56	22.68	22.72	21.88	0-2	0
		100	0	22.07	22.55	22.70	22.69	22.04	0-2	0
		1	0	22.28	22.66	23.03	23.08	22.91	0-2	0
		1	49	22.25	22.74	22.91	23.04	22.21	0-2	0
		1	99	22.28	22.86	22.87	23.04	22.14	0-2	0
		50	0	21.58	22.08	22.24	22.32	21.25	0-3	0.1
	256QAM	50	25	21.69	22.18	22.29	22.28	20.98	0-3	0.1
		50	49	21.68	22.18	22.27	22.35	20.90	0-3	0.1
		100	0	21.71	22.20	22.29	22.30	21.07	0-3	0.1
		1	0	19.85	20.12	20.40	20.46	20.32	0-5	2.1
		1	49	19.91	20.23	20.41	20.42	19.75	0-5	2.1
		1	99	20.02	20.34	20.33	20.51	19.77	0-5	2.1
	256QAM	50	0	19.80	20.09	20.29	20.32	19.87	0-5	2.1
		50	25	19.90	20.20	20.34	20.31	19.61	0-5	2.1
		50	49	19.89	20.19	20.34	20.38	19.71	0-5	2.1
		100	0	19.86	20.19	20.31	20.31	19.68	0-5	2.1

Note; LTE Band 41 has 5 required test channels per FCC KDB 447498 D04v01.

[LTE Band 66 Conducted Power_DSI =0,1] (Body mode) Ant. F

LTE Band 66 _ 1.4 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.57	20.17	19.96	0	0
		1	3	19.63	20.31	20.05	0	0
		1	5	19.57	20.27	19.96	0	0
		3	0	19.65	20.28	20.04	0	0
		3	1	19.69	20.28	20.07	0	0
		3	3	19.64	20.28	19.97	0	0
	16QAM	6	0	19.64	20.15	20.08	0-1	0
		1	0	19.98	20.31	20.27	0-1	0
		1	3	20.03	20.64	20.26	0-1	0
		1	5	20.02	20.45	20.20	0-1	0
		3	0	19.74	20.25	20.17	0-1	0
		3	1	19.79	20.38	20.13	0-1	0
	64QAM	3	3	19.84	20.34	20.05	0-1	0
		6	0	19.78	20.18	20.07	0-2	0
		1	0	19.66	20.42	20.14	0-2	0
		1	3	19.73	20.50	20.16	0-2	0
		1	5	19.67	20.28	20.27	0-2	0
		3	0	19.79	20.39	20.07	0-2	0
	256QAM	3	1	19.61	20.29	20.18	0-2	0
		3	3	19.74	20.30	20.17	0-2	0
		6	0	19.62	20.17	20.09	0-3	0
		1	0	18.73	19.34	19.19	0-5	1
		1	3	18.83	19.51	19.33	0-5	1
		1	5	18.69	19.44	19.35	0-5	1
		3	0	18.76	19.30	19.19	0-5	1
		3	1	18.84	19.33	19.22	0-5	1
		3	3	18.81	19.38	19.28	0-5	1
		6	0	18.79	19.28	19.15	0-5	1

LTE Band 66 _ 3 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.48	20.09	20.15	0	0
		1	7	19.65	20.25	20.12	0	0
		1	14	19.59	20.26	19.96	0	0
		8	0	19.70	20.23	20.10	0-1	0
		8	3	19.66	20.16	20.17	0-1	0
		8	7	19.73	20.22	20.12	0-1	0
		15	0	19.65	20.22	20.13	0-1	0
	16QAM	1	0	19.85	20.64	20.28	0-1	0
		1	7	19.75	20.52	20.14	0-1	0
		1	14	19.81	20.41	20.21	0-1	0
		8	0	19.68	20.27	20.09	0-2	0
		8	3	19.71	20.27	20.12	0-2	0
		8	7	19.68	20.36	20.11	0-2	0
		15	0	19.70	20.25	20.21	0-2	0
	64QAM	1	0	19.79	20.34	20.18	0-2	0
		1	7	19.80	20.50	20.23	0-2	0
		1	14	19.80	20.31	20.17	0-2	0
		8	0	19.67	20.24	20.13	0-3	0
		8	3	19.76	20.28	20.17	0-3	0
		8	7	19.71	20.25	20.14	0-3	0
		15	0	19.70	20.24	20.11	0-3	0
	256QAM	1	0	18.57	19.28	19.25	0-5	1
		1	7	18.82	19.54	19.31	0-5	1
		1	14	18.80	19.25	19.18	0-5	1
		8	0	18.81	19.33	19.22	0-5	1
		8	3	18.88	19.36	19.23	0-5	1
		8	7	18.81	19.31	19.24	0-5	1
		15	0	18.81	19.34	19.29	0-5	1

LTE Band 66 _ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.58	20.09	20.26	0	0
		1	12	19.73	20.29	20.16	0	0
		1	24	19.61	20.26	20.05	0	0
		12	0	19.67	20.22	20.13	0-1	0
		12	6	19.75	20.26	20.15	0-1	0
		12	11	19.75	20.23	20.19	0-1	0
		25	0	19.74	20.23	20.15	0-1	0
	16QAM	1	0	19.79	20.60	20.20	0-1	0
		1	12	19.98	20.63	20.30	0-1	0
		1	24	19.86	20.44	20.15	0-1	0
		12	0	19.68	20.19	20.12	0-2	0
		12	6	19.76	20.33	20.15	0-2	0
		12	11	19.72	20.23	20.08	0-2	0
		25	0	19.75	20.22	20.13	0-2	0
	64QAM	1	0	19.78	20.44	20.29	0-2	0
		1	12	19.87	20.39	20.32	0-2	0
		1	24	19.96	20.40	20.15	0-2	0
		12	0	19.69	20.25	20.15	0-3	0
		12	6	19.80	20.18	20.19	0-3	0
		12	11	19.78	20.28	20.13	0-3	0
		25	0	19.69	20.21	20.17	0-3	0
	256QAM	1	0	18.75	19.36	19.25	0-5	1
		1	12	18.94	19.47	19.37	0-5	1
		1	24	18.81	19.29	19.21	0-5	1
		12	0	18.80	19.30	19.24	0-5	1
		12	6	18.87	19.46	19.30	0-5	1
		12	11	18.86	19.31	19.25	0-5	1
		25	0	18.86	19.29	19.27	0-5	1

LTE Band 66 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.73	20.11	20.17	0	0
		1	24	19.73	20.31	20.11	0	0
		1	49	19.74	20.27	20.12	0	0
		25	0	19.68	20.29	20.19	0-1	0
		25	12	19.82	20.24	20.19	0-1	0
		25	24	19.77	20.23	20.19	0-1	0
		50	0	19.77	20.25	20.14	0-1	0
	16QAM	1	0	19.81	20.42	20.20	0-1	0
		1	24	19.97	20.58	20.20	0-1	0
		1	49	20.09	20.45	20.45	0-1	0
		25	0	19.73	20.22	20.06	0-2	0
		25	12	19.87	20.27	20.18	0-2	0
		25	24	19.82	20.29	20.16	0-2	0
		50	0	19.78	20.24	20.20	0-2	0
	64QAM	1	0	19.78	20.34	20.24	0-2	0
		1	24	20.01	20.55	20.18	0-2	0
		1	49	19.99	20.41	20.23	0-2	0
		25	0	19.71	20.24	20.13	0-3	0
		25	12	19.82	20.25	20.19	0-3	0
		25	24	19.81	20.26	20.17	0-3	0
		50	0	19.77	20.22	20.23	0-3	0
	256QAM	1	0	18.87	19.32	19.13	0-5	1
		1	24	18.88	19.51	19.35	0-5	1
		1	49	18.83	19.39	19.16	0-5	1
		25	0	18.77	19.33	19.32	0-5	1
		25	12	18.88	19.40	19.36	0-5	1
		25	24	18.90	19.34	19.28	0-5	1
		50	0	18.86	19.30	19.22	0-5	1

LTE Band 66 _ 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.38	19.84	19.71	0	0
		1	36	19.67	20.08	19.95	0	0
		1	74	19.63	20.00	19.88	0	0
		36	0	19.54	20.01	20.10	0-1	0
		36	18	19.61	20.08	20.07	0-1	0
		36	39	19.67	20.12	20.00	0-1	0
		75	0	19.65	20.07	20.06	0-1	0
	16QAM	1	0	19.88	20.05	20.06	0-1	0
		1	36	19.98	20.22	20.12	0-1	0
		1	74	20.05	20.28	20.11	0-1	0
		36	0	19.60	20.00	19.99	0-2	0
		36	18	19.73	20.04	20.08	0-2	0
		36	39	19.72	20.15	19.95	0-2	0
		75	0	19.64	20.11	20.03	0-2	0
	64QAM	1	0	19.50	20.11	19.95	0-2	0
		1	36	19.92	20.39	20.26	0-2	0
		1	74	19.77	20.23	19.98	0-2	0
		36	0	19.55	20.11	20.05	0-3	0
		36	18	19.66	20.05	20.07	0-3	0
		36	39	19.72	20.05	19.90	0-3	0
		75	0	19.64	20.09	20.11	0-3	0
	256QAM	1	0	18.72	19.30	19.20	0-5	1
		1	36	18.75	19.30	19.23	0-5	1
		1	74	19.00	19.21	19.24	0-5	1
		36	0	18.69	19.15	19.15	0-5	1
		36	18	18.79	19.17	19.15	0-5	1
		36	39	18.79	19.18	19.04	0-5	1
		75	0	18.72	19.14	19.07	0-5	1

LTE Band 66 _ 20 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	19.49	19.86	20.00	0	0
		1	49	19.77	20.14	19.89	0	0
		1	99	20.01	20.22	19.91	0	0
		50	0	19.60	20.14	20.01	0-1	0
		50	25	19.83	20.17	20.18	0-1	0
		50	49	19.74	20.17	20.04	0-1	0
		100	0	19.74	20.10	20.12	0-1	0
	16QAM	1	0	19.80	20.20	20.14	0-1	0
		1	49	20.72	20.37	20.27	0-1	0
		1	99	20.16	20.27	20.19	0-1	0
		50	0	19.60	20.07	20.16	0-2	0
		50	25	19.80	20.17	20.05	0-2	0
		50	49	19.70	20.09	20.10	0-2	0
		100	0	19.78	20.16	20.07	0-2	0
	64QAM	1	0	19.69	20.20	20.16	0-2	0
		1	49	19.83	20.36	20.23	0-2	0
		1	99	20.18	20.36	20.10	0-2	0
		50	0	19.59	20.13	20.10	0-3	0
		50	25	19.75	20.18	20.20	0-3	0
		50	49	19.77	20.12	20.05	0-3	0
		100	0	19.76	20.13	20.15	0-3	0
	256QAM	1	0	18.83	19.11	19.20	0-5	1
		1	49	18.84	19.42	19.27	0-5	1
		1	99	19.01	19.46	19.40	0-5	1
50		0	18.74	19.24	19.20	0-5	1	
50		25	18.87	19.22	19.25	0-5	1	
50		49	18.87	19.21	19.14	0-5	1	
100		0	18.95	19.28	19.23	0-5	1	

11.4 NR Maximum Output Power
11.4.1 NR Band Maximum Conducted Power

[NR Band n2 Conducted Power _ P_{max} , DSI=2,3](Head mode) Ant. B

NR Band n2 _ 5 MHz Bandwidth

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	22.51	22.85	22.33	0
				1	13	22.39	22.71	22.24	0
				1	23	22.47	22.76	22.14	0
				12	0	23.26	23.22	22.66	0.5
				12	7	23.73	23.28	22.91	0
				12	13	23.19	22.78	22.53	0.5
			25	0	23.24	22.99	22.41	0.5	
			QPSK	1	1	23.77	23.39	22.98	0
				1	13	23.74	23.19	22.85	0
				1	23	23.67	23.24	22.78	0
				12	0	22.82	22.86	22.22	1
				12	7	23.73	23.47	23.06	0
				12	13	22.70	22.65	22.06	1
			25	0	22.73	22.72	22.07	1	
			16QAM	1	1	22.74	22.40	22.12	1
			64QAM	1	1	21.45	21.21	20.83	2.5
256QAM	1	1	18.59	18.63	18.57	4.5			
CP	QPSK	1	1	22.10	22.11	22.07	1.5		

NR Band n2 _ 10 MHz Bandwidth

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	22.85	23.04	22.51	0
				1	26	22.71	22.73	22.67	0
				1	50	23.10	22.80	22.50	0
				25	0	23.41	23.22	22.88	0.5
				25	14	23.80	23.51	23.17	0
				25	27	23.37	22.59	22.46	0.5
			50	0	23.20	22.76	22.70	0.5	
			QPSK	1	1	23.79	23.59	23.30	0
				1	26	23.69	23.17	23.21	0
				1	50	23.80	23.23	23.10	0
				25	0	22.93	22.72	22.40	1
				25	14	23.81	23.34	23.23	0
				25	27	22.93	22.68	22.11	1
			50	0	22.90	22.74	22.17	1	
			16QAM	1	1	22.88	22.69	22.32	1
			64QAM	1	1	21.31	21.44	20.96	2.5
256QAM	1	1	18.88	18.76	18.80	4.5			
CP	QPSK	1	1	22.19	22.09	22.13	1.5		

NR Band n2 _ 15 MHz Bandwidth

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	22.87	23.06	22.66	0
				1	40	22.94	22.79	22.91	0
				1	77	23.18	22.34	22.96	0
				36	0	23.38	23.27	22.93	0.5
				36	22	23.96	23.51	23.25	0
				36	43	23.41	22.69	22.47	0.5
			75	0	23.43	22.96	22.81	0.5	
			QPSK	1	1	23.84	23.71	23.23	0
				1	40	23.97	23.31	23.32	0
				1	77	23.98	22.87	23.15	0
				36	0	22.98	22.94	22.48	1
				36	22	23.91	23.49	23.29	0
				36	43	22.96	22.57	22.25	1
			75	0	22.97	22.77	22.36	1	
			16QAM	1	1	22.91	22.75	22.35	1
			64QAM	1	1	21.49	21.48	21.09	2.5
			256QAM	1	1	18.92	18.79	18.48	4.5
			CP	QPSK	1	1	22.21	22.18	22.19

NR Band n2 _ 20 MHz Bandwidth

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	22.71	23.68	22.71	0
				1	53	22.82	23.29	22.68	0
				1	104	23.03	22.80	22.78	0
				50	0	23.27	23.42	23.04	0.5
				50	28	23.92	23.46	23.48	0
				50	56	23.39	22.75	22.81	0.5
			100	0	23.48	23.32	22.86	0.5	
			QPSK	1	1	23.80	23.92	23.20	0
				1	53	23.91	23.54	23.25	0
				1	104	23.92	23.11	23.16	0
				50	0	22.93	22.99	22.57	1
				50	28	23.91	23.23	23.45	0
				50	56	22.98	22.80	22.33	1
			100	0	22.99	22.98	22.51	1	
			16QAM	1	1	22.89	22.87	22.53	1
			64QAM	1	1	21.47	21.40	21.26	2.5
			256QAM	1	1	18.92	18.84	18.55	4.5
			CP	QPSK	1	1	22.40	22.28	22.23

[NR Band n5 Conducted Power_ P_{max} , DSI =0,1,2,3](Head, Body mode) Ant. A, Ant. A+B

NR Band n5_ 5 Mhz Bandwidth

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	23.99	24.15	24.31	0
				1	13	23.93	24.19	24.37	0
				1	23	24.02	24.20	24.46	0
				12	0	23.50	23.70	23.96	0.5
				12	7	24.07	24.14	24.36	0
				12	13	23.60	23.71	23.88	0.5
			QPSK	25	0	23.54	23.67	23.94	0.5
				1	1	23.99	24.20	24.30	0
				1	13	24.07	24.16	24.38	0
				1	23	24.11	24.25	24.49	0
				12	0	22.98	23.27	23.38	1
				12	7	24.01	24.24	24.42	0
			16QAM	12	13	23.02	23.17	23.37	1
				25	0	23.08	23.22	23.40	1
				1	1	22.98	23.15	23.34	1
				1	1	21.71	21.82	22.06	2.5
256QAM	1	1	18.95	19.08	19.24	4.5			
	1	1	22.57	22.70	22.87	1.5			
CP	QPSK	1	1	22.57	22.70	22.87	1.5		

NR Band n5_ 10 Mhz Bandwidth

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	24.14		0
				1	26	24.12		0
				1	50	24.18		0
				25	0	23.61		0.5
				25	14	24.16		0
				25	27	23.64		0.5
			QPSK	50	0	23.66		0.5
				1	1	24.07		0
				1	26	24.10		0
				1	50	24.18		0
				25	0	23.13		1
				25	14	24.18		0
			16QAM	25	27	23.19		1
				50	0	23.18		1
				1	1	23.11		1
				1	1	21.78		2.5
256QAM	1	1	19.04		4.5			
	1	1	22.69		1.5			
CP	QPSK	1	1	22.69		1.5		

NR Band n5_ 15 Mhz Bandwidth

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	24.26	0	
				1	40	24.28	0	
				1	77	24.43	0	
				36	0	23.83	0.5	
				36	22	24.25	0	
				36	43	23.82	0.5	
			75	0	23.78	0.5		
			QPSK	1	1	24.25	0	
				1	40	24.28	0	
				1	77	24.41	0	
				36	0	23.29	1	
				36	22	24.29	0	
				36	43	23.38	1	
				75	0	23.37	1	
			16QAM	1	1	23.28	1	
			64QAM	1	1	22.01	2.5	
256QAM	1	1	19.27	4.5				
CP	QPSK	1	1	22.78	1.5			

NR Band n5_ 20 Mhz Bandwidth

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	24.14	0	
				1	53	24.36	0	
				1	104	24.25	0	
				50	0	23.71	0.5	
				50	28	24.27	0	
				50	56	23.83	0.5	
				100	0	23.84	0.5	
			QPSK	1	1	24.18	0	
				1	53	24.33	0	
				1	104	24.12	0	
				50	0	23.24	1	
				50	28	24.31	0	
				50	56	23.36	1	
			100	0	23.31	1		
			16QAM	1	1	23.15	1	
			64QAM	1	1	21.88	2.5	
			256QAM	1	1	19.23	4.5	
			CP	QPSK	1	1	22.68	1.5

[NR Band n25 Conducted Power_ P_{max} , DSI=2,3](Head mode) Ant. B

NR Band n25 _ 5 MHz Bandwidth

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	22.53	22.46	22.56	0
				1	13	22.18	22.24	21.92	0
				1	23	22.16	22.34	22.31	0
				12	0	23.32	22.88	22.59	0.5
				12	7	23.63	22.96	22.98	0
				12	13	23.26	22.68	22.60	0.5
			25	0	23.29	22.44	22.29	0.5	
			QPSK	1	1	23.76	23.08	23.08	0
				1	13	23.61	22.88	22.54	0
				1	23	23.70	22.98	22.03	0
				12	0	22.90	22.42	22.07	1
				12	7	23.10	23.22	23.05	0
				12	13	22.84	22.48	22.15	1
			25	0	22.83	22.41	21.68	1	
			16QAM	1	1	22.73	22.13	22.00	1
			64QAM	1	1	20.89	20.95	20.83	2.5
			256QAM	1	1	18.94	18.56	18.21	4.5
			CP	QPSK	1	1	22.07	21.18	21.09

NR Band n25 _ 10 MHz Bandwidth

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	22.83	22.70	22.04	0
				1	26	22.72	22.27	21.81	0
				1	50	23.02	22.04	22.18	0
				25	0	23.40	22.89	22.32	0.5
				25	14	23.92	23.22	23.01	0
				25	27	23.39	22.74	22.32	0.5
			50	0	23.33	22.62	22.36	0.5	
			QPSK	1	1	23.81	23.41	23.06	0
				1	26	23.77	22.97	22.84	0
				1	50	23.79	22.78	21.81	0
				25	0	22.99	22.62	22.28	1
				25	14	23.86	23.11	22.60	0
				25	27	22.92	22.51	21.92	1
			50	0	22.92	22.46	22.17	1	
			16QAM	1	1	22.76	22.51	22.19	1
			64QAM	1	1	21.30	21.29	20.92	2.5
			256QAM	1	1	18.94	18.58	18.24	4.5
			CP	QPSK	1	1	22.26	21.81	21.49

NR Band n25 _ 15 MHz Bandwidth

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	22.88	22.99	22.77	0
				1	40	23.00	22.45	22.91	0
				1	77	23.14	22.13	21.60	0
				36	0	23.34	22.78	22.95	0.5
				36	22	23.67	23.18	23.08	0
				36	43	22.81	22.87	22.50	0.5
			QPSK	75	0	22.94	22.86	22.68	0.5
				1	1	23.87	23.81	23.12	0
				1	40	23.99	23.20	23.18	0
				1	77	23.94	23.00	22.02	0
				36	0	22.88	22.79	22.54	1
				36	22	23.39	23.31	23.13	0
			16QAM	36	43	22.90	22.75	22.34	1
				75	0	22.48	22.58	22.49	1
				1	1	22.92	22.75	22.42	1
				1	1	21.47	21.44	21.18	2.5
64QAM	1	1	19.00	18.87	18.55	4.5			
	1	1	22.25	22.02	21.75	1.5			
256QAM	1	1	22.25	22.02	21.75	1.5			
	CP	QPSK	1	1	22.25	22.02	21.75	1.5	

NR Band n25 _ 20 MHz Bandwidth

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	23.51	22.88	23.09	0
				1	53	23.60	22.74	23.40	0
				1	104	22.39	22.36	22.12	0
				50	0	23.31	23.07	23.11	0.5
				50	28	23.94	23.41	23.57	0
				50	56	23.41	22.65	22.51	0.5
			QPSK	100	0	23.40	23.13	22.72	0.5
				1	1	23.87	23.77	23.09	0
				1	53	23.91	23.33	23.39	0
				1	104	23.87	23.19	22.22	0
				50	0	22.97	22.82	22.63	1
				50	28	23.95	23.20	23.34	0
			16QAM	50	56	22.96	22.68	22.47	1
				100	0	22.81	22.76	22.26	1
				1	1	22.85	22.79	22.05	1
				1	1	21.40	21.35	21.28	2.5
64QAM	1	1	19.03	18.82	18.73	4.5			
	1	1	22.21	22.27	21.84	1.5			
256QAM	1	1	22.21	22.27	21.84	1.5			
	CP	QPSK	1	1	22.21	22.27	21.84	1.5	

NR Band n25 _ 25 MHz Bandwidth

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		23.73	0
				1	66		23.32	0
				1	131		22.70	0
				64	0		23.35	0.5
				64	35		23.77	0
				64	69		23.18	0.5
			QPSK	128	0		23.21	0.5
				1	1		23.79	0
				1	66		23.71	0
				1	131		23.30	0
				64	0		22.83	1
				64	35		23.56	0
			16QAM	64	69		22.63	1
				128	0		22.83	1
				1	1		22.73	1
64QAM	1	1		21.49	2.5			
	1	1		19.09	4.5			
CP	QPSK	1	1		22.32	1.5		

NR Band n25 _ 30 MHz Bandwidth

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		23.69	0
				1	80		23.64	0
				1	158		23.21	0
				80	0		23.23	0.5
				80	40		23.64	0
				80	80		23.03	0.5
			QPSK	160	0		23.14	0.5
				1	1		23.73	0
				1	80		23.70	0
				1	158		23.37	0
				80	0		22.78	1
				80	40		23.61	0
			16QAM	80	80		22.62	1
				160	0		22.73	1
				1	1		22.76	1
64QAM	1	1		21.48	2.5			
	1	1		18.82	4.5			
CP	QPSK	1	1		22.29	1.5		

NR Band n25 _ 40 MHz Bandwidth

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		23.63		0
				1	108		23.59		0
				1	214		23.12		0
				108	0		23.31		0.5
				108	54		23.55		0
				108	108		22.93		0.5
			216	0		23.16		0.5	
			QPSK	1	1		23.80		0
				1	108		23.67		0
				1	214		23.34		0
				108	0		22.87		1
				108	54		23.67		0
				108	108		22.55		1
			216	0		22.73		1	
16QAM	1	1		22.74		1			
64QAM	1	1		21.42		2.5			
256QAM	1	1		18.82		4.5			
CP	QPSK	1	1		22.33		1.5		

[NR Band n41 Conducted Power_ DSI = 2,3(Power Class 3)](Head mode) Ant. B

NR Band n41 _10 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]
						500202	509400	518598	527802	537000	
						2501.01	2547	2592.99	2639.01	2685	
						MHz	MHz	MHz	MHz	MHz	
10 MHz	30	DFT-s	pi/2 BPSK	1	1	21.94	21.91	22.00	22.18	21.95	0
				1	12	21.92	21.92	21.99	22.26	21.76	0
				1	22	21.93	21.98	22.06	22.29	21.44	0
				12	0	22.02	21.96	22.09	22.32	21.94	0
				12	6	21.99	21.96	22.09	22.30	21.74	0
				12	12	22.01	21.98	22.13	22.32	21.92	0
			24	0	22.00	21.94	22.09	22.31	21.91	0	
			QPSK	1	1	21.71	21.83	21.94	22.12	21.86	0
				1	12	21.79	21.84	21.99	22.20	21.67	0
				1	22	21.90	21.90	22.07	22.17	21.36	0
				12	0	22.01	21.93	21.95	22.29	21.94	0
				12	6	21.90	21.94	22.05	22.28	21.59	0
				12	12	21.91	21.95	22.08	22.31	21.90	0
			24	0	22.01	21.94	22.08	22.27	21.89	0	
			16QAM	1	1	21.84	21.76	22.04	22.12	21.84	0
			64QAM	1	1	21.53	21.39	21.49	21.63	21.43	0.5
			256QAM	1	1	19.45	19.19	19.44	19.60	19.39	2.5
			CP	QPSK	1	1	21.89	21.87	22.04	22.17	21.89

NR Band n41_15 Mhz Bandwidth

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	21.92	21.92	22.04	22.27	21.90	0
				1	18	21.98	22.01	22.06	22.18	21.71	0
				1	36	22.03	22.03	22.07	22.25	21.36	0
				18	0	21.95	21.86	22.08	22.23	21.96	0
				18	9	22.02	21.91	22.01	22.24	21.75	0
				18	18	21.99	21.96	22.05	22.31	21.96	0
			QPSK	36	0	21.96	21.92	22.16	22.33	21.82	0
				1	1	21.66	21.75	22.00	22.20	21.81	0
				1	18	21.77	21.77	22.07	22.24	21.64	0
				1	36	22.00	21.82	22.17	22.22	21.26	0
				18	0	21.92	21.85	21.85	22.32	21.95	0
				18	9	21.82	21.93	22.06	22.28	21.64	0
			16QAM	18	18	21.97	21.91	22.16	22.30	21.86	0
				36	0	22.10	21.87	22.01	22.34	21.87	0
				1	1	21.85	21.70	22.01	22.08	21.76	0
64QAM	1	1	21.53	21.54	21.48	21.73	21.53	0.5			
	1	1	19.44	19.31	19.33	19.39	19.34	2.5			
256QAM	1	1	19.44	19.31	19.33	19.39	19.34	2.5			
CP	QPSK	1	1	21.80	21.90	22.03	22.12	21.90	0		

NR Band n41_20 Mhz Bandwidth

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	21.89	21.95	22.01	22.27	21.92	0
				1	26	21.89	21.95	21.96	22.16	21.74	0
				1	49	21.96	21.94	22.17	22.23	21.28	0
				25	0	22.01	21.95	22.03	22.20	21.91	0
				25	13	22.04	21.92	22.11	22.23	21.67	0
				25	26	22.01	21.98	21.97	22.29	22.05	0
			QPSK	50	0	21.98	21.89	22.12	22.33	21.80	0
				1	1	21.74	21.70	21.90	22.12	21.87	0
				1	26	21.81	21.67	22.16	22.28	21.66	0
				1	49	21.95	21.72	22.09	22.23	21.31	0
				25	0	22.01	21.86	21.80	22.40	21.86	0
				25	13	21.80	21.91	22.00	22.20	21.55	0
			16QAM	25	26	22.07	21.90	22.21	22.20	21.81	0
				50	0	22.01	21.80	21.95	22.26	21.85	0
				1	1	21.92	21.75	21.96	22.04	21.81	0
64QAM	1	1	21.61	21.53	21.39	21.68	21.48	0.5			
	1	1	19.42	19.32	19.35	19.42	19.27	2.5			
256QAM	1	1	19.42	19.32	19.35	19.42	19.27	2.5			
CP	QPSK	1	1	21.81	22.00	22.03	22.22	21.97	0		

NR Band n41 _30 Mhz Bandwidth

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	21.83	22.01	22.01	22.24	21.98	0	
				1	39	22.03	21.91	22.04	22.27	21.68	0	
				1	76	21.96	21.99	22.13	22.20	21.45	0	
				36	0	22.05	21.78	22.02	22.16	22.06	0	
				36	21	22.07	21.91	22.03	22.25	21.68	0	
				36	42	22.07	21.90	21.97	22.26	21.94	0	
			QPSK	75	0	21.87	21.84	22.25	22.31	21.76	0	
				1	1	21.72	21.82	22.00	22.18	21.81	0	
				1	39	21.79	21.80	22.10	22.34	21.65	0	
				1	76	22.00	21.81	22.23	22.20	21.28	0	
				36	0	21.98	21.85	21.85	22.33	21.86	0	
				36	21	21.78	21.97	22.01	22.20	21.70	0	
				36	42	21.90	21.86	22.20	22.24	21.94	0	
				75	0	22.04	21.82	22.09	22.32	21.85	0	
				16QAM	1	1	21.83	21.76	21.93	22.12	21.84	0
				64QAM	1	1	21.51	21.45	21.49	21.66	21.58	0.5
			256QAM	1	1	19.54	19.25	19.25	19.35	19.44	2.5	
CP	QPSK	1	1	21.79	21.98	21.98	22.21	21.86	0			

NR Band n41 _40 Mhz Bandwidth

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	21.93	21.96		22.30	21.97	0	
				1	53	22.02	21.94		22.22	21.77	0	
				1	104	21.95	22.01		22.33	21.34	0	
				50	0	21.88	21.82		22.22	22.00	0	
				50	28	22.10	21.89		22.27	21.69	0	
				50	56	21.94	21.90		22.29	21.99	0	
			QPSK	100	0	21.95	21.98		22.23	21.74	0	
				1	1	21.73	21.82		22.27	21.74	0	
				1	53	21.87	21.73		22.14	21.68	0	
				1	104	21.97	21.85		22.16	21.16	0	
				50	0	22.01	21.76		22.40	22.04	0	
				50	28	21.89	22.03		22.34	21.54	0	
				50	56	22.01	21.90		22.31	21.76	0	
				100	0	22.09	21.89		22.28	21.83	0	
				16QAM	1	1	21.95	21.80		22.10	21.72	0
				64QAM	1	1	21.53	21.49		21.70	21.51	0.5
			256QAM	1	1	19.34	19.24		19.33	19.32	2.5	
CP	QPSK	1	1	21.90	21.81		22.06	21.90	0			

NR Band n41_50 Mhz Bandwidth

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	21.87		22.03		21.89	0
				1	67	21.90		22.05		21.75	0
				1	131	21.99		22.01		21.46	0
				64	0	22.11		22.14		21.89	0.5
				64	35	21.98		22.10		21.78	0
				64	69	22.07		22.15		21.82	0.5
			QPSK	128	0	21.99		22.13		21.86	0.5
				1	1	21.73		21.92		21.77	0
				1	67	21.73		22.02		21.61	0
				1	131	21.89		22.04		21.43	0
				64	0	21.97		22.01		21.98	1
				64	35	21.80		22.04		21.68	0
			16QAM	64	69	21.82		22.17		21.85	1
				64	0	21.99		22.02		21.90	1
				1	1	21.86		22.00		21.92	1
64QAM	1	1	21.49		21.31		21.44	2.5			
	1	1	19.34		19.49		19.49	4.5			
256QAM	1	1	19.34		19.49		19.49	4.5			
CP	QPSK	1	1	21.93		22.07		21.86	1.5		

NR Band n41_60 Mhz Bandwidth

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	21.88		21.96		21.87	0
				1	81	21.97		22.12		21.78	0
				1	160	22.13		22.13		21.35	0
				81	0	21.85		22.10		21.88	0
				81	41	22.00		21.95		21.76	0
				81	81	22.02		21.95		22.03	0
			QPSK	162	0	22.05		22.14		21.87	0
				1	1	21.62		21.91		21.86	0
				1	81	21.81		22.09		21.55	0
				1	160	22.07		22.18		21.35	0
				81	0	21.87		21.92		21.86	0
				81	41	21.91		22.14		21.69	0
			16QAM	81	81	21.89		22.10		21.87	0
				162	0	22.19		21.91		21.87	0
				1	1	21.86		22.06		21.77	0
			64QAM	1	1	21.62		21.52		21.49	0.5
				1	1	19.50		19.43		19.39	2.5
			256QAM	1	1	19.50		19.43		19.39	2.5
CP	QPSK	1	1	21.88		22.00		21.97	0		

NR Band n41_70 Mhz Bandwidth

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	21.86				21.98	0
				1	81	21.89				21.83	0
				1	160	21.95				21.47	0
				81	0	22.02				21.93	0
				81	41	22.09				21.80	0
				81	81	21.95				21.83	0
				162	0	22.05				21.85	0
			QPSK	1	1	21.78				21.84	0
				1	81	21.86				21.58	0
				1	160	21.88				21.32	0
				81	0	21.98				22.01	0
				81	41	21.81				21.56	0
				81	81	22.01				21.80	0
				162	0	21.99				21.88	0
			16QAM	1	1	21.78				21.76	0
			64QAM	1	1	21.37				21.44	0.5
			256QAM	1	1	19.25				19.40	2.5
CP	QPSK	1	1	21.90				21.80	0		

NR Band n41_80 Mhz Bandwidth

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	21.96				21.86	0
				1	109	21.86				21.70	0
				1	215	21.85				21.44	0
				108	0	21.97				21.85	0
				108	55	22.02				21.70	0
				108	109	22.01				21.98	0
				216	0	21.97				21.88	0
			QPSK	1	1	21.62				21.85	0
				1	109	21.78				21.69	0
				1	215	21.88				21.28	0
				108	0	22.01				22.00	0
				108	55	21.94				21.65	0
				108	109	21.86				21.85	0
				216	0	22.00				21.94	0
			16QAM	1	1	21.87				21.86	0
			64QAM	1	1	21.53				21.32	0.5
			256QAM	1	1	19.31				19.26	2.5
CP	QPSK	1	1	21.90				21.83	0		

NR Band n41_90 Mhz Bandwidth

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	21.92				21.93	0
				1	123	21.84				21.70	0
				1	243	21.96				21.50	0
				120	0	22.09				21.99	0
				120	63	22.06				21.68	0
				120	125	22.09				21.84	0
			243	0	22.01				22.01	0	
			QPSK	1	1	21.63				21.93	0
				1	123	21.79				21.66	0
				1	243	21.82				21.43	0
				120	0	21.99				21.84	0
				120	63	21.88				21.49	0
				120	125	21.96				21.90	0
			243	0	22.11				21.92	0	
			16QAM	1	1	21.74				21.80	0
			64QAM	1	1	21.35				21.38	0.5
256QAM	1	1	19.27				19.22	2.5			
CP	QPSK	1	1	21.92				21.97	0		

NR Band n41_100 Mhz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)				MPR [dB]	
								518598			
								2592.99 Mhz			
100 Mhz	30	DFT-s	pi/2 BPSK	1	1			21.94			0
				1	137			21.91			0
				1	271			22.05			0
				135	0			22.04			0
				135	69			22.17			0
				135	138			22.18			0
			270	0			22.02			0	
			QPSK	1	1			21.86			0
				1	137			21.98			0
				1	271			22.11			0
				135	0			21.98			0
				135	69			21.95			0
				135	138			22.16			0
			270	0			22.17			0	
			16QAM	1	1			21.99			0
			64QAM	1	1			21.30			0.5
256QAM	1	1			19.54			2.5			
CP	QPSK	1	1			22.03			0		

[NR Band n66 Conducted Power $_ P_{max}$, DSI=2,3](Head mode) Ant. B

NR Band n66_5 Mhz Bandwidth

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	22.52	23.16	22.77	0
				1	13	22.50	23.09	22.65	0
				1	23	22.70	23.25	22.61	0
				12	0	23.30	23.37	22.94	0.5
				12	7	23.46	23.53	23.03	0
				12	13	23.05	23.02	22.56	0.5
			QPSK	25	0	22.92	22.97	22.54	0.5
				1	1	23.42	23.64	23.15	0
				1	13	23.41	23.54	22.91	0
				1	23	23.62	23.67	22.90	0
				12	0	22.77	23.01	22.64	1
				12	7	23.62	23.72	23.34	0
			16QAM	12	13	22.83	22.95	22.44	1
				25	0	22.87	22.92	22.51	1
				1	1	22.50	22.74	22.32	1
			64QAM	1	1	21.35	21.58	21.13	2.5
				1	1	18.87	19.14	18.66	4.5
			256QAM	1	1	18.87	19.14	18.66	4.5
CP	QPSK	1	1	21.93	22.14	21.64	1.5		

NR Band n66_10 Mhz Bandwidth

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	22.21	23.22	23.06	0
				1	26	22.27	23.23	22.96	0
				1	50	22.53	23.34	22.96	0
				25	0	23.17	23.28	23.23	0.5
				25	14	23.72	23.54	23.48	0
				25	27	23.05	22.99	22.54	0.5
			QPSK	50	0	23.03	23.07	23.00	0.5
				1	1	23.38	23.63	23.58	0
				1	26	23.46	23.60	23.35	0
				1	50	23.65	23.68	23.36	0
				25	0	23.13	23.13	23.20	1
				25	14	23.65	23.51	23.41	0
			16QAM	25	27	23.15	23.09	22.69	1
				50	0	22.98	23.02	22.89	1
				1	1	22.51	22.70	22.67	1
			64QAM	1	1	21.81	21.94	21.87	2.5
				1	1	19.19	19.34	19.23	4.5
			256QAM	1	1	19.19	19.34	19.23	4.5
CP	QPSK	1	1	22.00	21.90	22.17	1.5		

NR Band n66 _ 15 MHz Bandwidth

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	22.44	23.35	23.39	0
				1	40	22.73	23.55	23.38	0
				1	77	22.34	23.46	23.33	0
				36	0	22.98	23.32	23.01	0.5
				36	22	23.62	23.66	23.79	0
				36	43	23.04	23.02	22.72	0.5
			75	0	23.11	23.24	23.12	0.5	
			QPSK	1	1	23.40	23.61	23.74	0
				1	40	23.57	23.73	23.70	0
				1	77	23.34	23.68	23.48	0
				36	0	23.13	23.29	23.37	1
				36	22	23.67	23.69	23.78	0
				36	43	23.30	23.07	22.88	1
			75	0	22.89	23.02	23.01	1	
			16QAM	1	1	22.48	22.65	22.78	1
			64QAM	1	1	21.74	21.91	21.99	2.5
			256QAM	1	1	19.31	19.40	19.31	4.5
			CP	QPSK	1	1	22.01	22.30	22.22

NR Band n66 _ 20 MHz Bandwidth

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	22.62	23.36	23.16	0
				1	53	22.90	23.86	23.42	0
				1	104	22.14	23.55	23.31	0
				50	0	22.89	23.27	23.57	0.5
				50	28	23.47	23.75	24.01	0
				50	56	23.07	23.00	22.90	0.5
			100	0	23.23	23.26	23.14	0.5	
			QPSK	1	1	23.53	23.43	23.54	0
				1	53	23.67	23.86	23.75	0
				1	104	23.19	23.53	23.60	0
				50	0	23.08	23.44	23.38	1
				50	28	23.44	23.56	23.84	0
				50	56	23.18	23.14	22.99	1
			100	0	22.95	23.06	23.20	1	
			16QAM	1	1	22.62	22.36	22.88	1
			64QAM	1	1	21.91	21.58	21.94	2.5
			256QAM	1	1	19.45	19.46	19.36	4.5
			CP	QPSK	1	1	22.01	21.84	21.92

NR Band n66 _ 30 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
							349000		
							1745 MHz		
30 MHz	15	DFT-s	pi/2 BPSK	1	1		23.29		0
				1	80		23.55		0
				1	158		23.37		0
				80	0		23.75		0.5
				80	40		24.04		0
				80	80		23.33		0.5
			160	0		23.28		0.5	
			QPSK	1	1		23.93		0
				1	80		24.12		0
				1	158		24.03		0
				80	0		23.48		1
				80	40		23.88		0
				80	80		23.44		1
			160	0		23.45		1	
			16QAM	1	1		22.93		1
			64QAM	1	1		21.98		2.5
256QAM	1	1		19.47		4.5			
CP	QPSK	1	1		22.51		1.5		

NR Band n66 _ 40 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
							349000		
							1745 MHz		
40 MHz	15	DFT-s	pi/2 BPSK	1	1		23.14		0
				1	108		23.42		0
				1	214		22.87		0
				108	0		23.67		0.5
				108	54		24.28		0
				108	108		23.55		0.5
				216	0		23.43		0.5
			QPSK	1	1		23.56		0
				1	108		23.93		0
				1	214		23.62		0
				108	0		23.49		1
				108	54		23.96		0
				108	108		23.47		1
			216	0		23.02		1	
			16QAM	1	1		22.69		1
			64QAM	1	1		21.99		2.5
256QAM	1	1		19.40		4.5			
CP	QPSK	1	1		22.24		1.5		

[NR Band n2 Conducted Power _ P_{max} , DSI=2,3](Head mode) Ant. F

NR Band n2 _ 5 MHz Bandwidth

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	22.88	22.98	22.68	0
				1	13	22.82	22.94	22.67	0
				1	23	22.83	22.88	22.46	0
				12	0	22.94	22.99	22.70	0
				12	7	22.90	22.99	22.65	0
				12	13	22.80	22.87	22.51	0
			QPSK	25	0	22.90	22.93	22.71	0
				1	1	22.93	23.00	22.69	0
				1	13	22.89	22.97	22.68	0
				1	23	22.83	22.86	22.54	0
				12	0	22.53	22.54	22.21	0.5
				12	7	22.92	22.96	22.65	0
			16QAM	12	13	22.41	22.45	22.06	0.5
				25	0	22.39	22.45	22.18	0.5
				1	1	22.49	22.50	22.18	0.5
				1	1	21.15	21.16	20.83	2
				1	1	18.44	18.48	18.14	4
				1	1	22.08	22.04	21.69	1

NR Band n2 _ 10 MHz Bandwidth

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	23.12	22.98	22.75	0
				1	26	23.07	22.95	22.72	0
				1	50	22.95	22.77	22.61	0
				25	0	23.09	23.00	22.73	0
				25	14	23.04	22.95	22.74	0
				25	27	22.98	22.89	22.70	0
			QPSK	50	0	22.99	22.92	22.72	0
				1	1	23.12	23.04	22.76	0
				1	26	23.10	22.97	22.70	0
				1	50	22.98	22.82	22.60	0
				25	0	22.56	22.50	22.29	0.5
				25	14	23.08	23.00	22.73	0
			16QAM	25	27	22.55	22.45	22.18	0.5
				50	0	22.54	22.49	22.19	0.5
				1	1	22.66	22.61	22.29	0.5
				1	1	21.29	21.16	20.96	2
				1	1	18.56	18.42	18.08	4
				1	1	22.16	22.06	21.75	1

NR Band n2 _ 15 MHz Bandwidth

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	23.21	23.03	22.82	0
				1	40	23.14	23.04	22.67	0
				1	77	23.18	22.96	22.65	0
				36	0	23.22	23.06	22.85	0
				36	22	23.16	23.04	22.70	0
				36	43	23.19	23.09	22.79	0
			75	0	23.20	23.03	22.73	0	
			QPSK	1	1	23.27	23.07	22.90	0
				1	40	23.21	23.08	22.75	0
				1	77	23.20	23.05	22.69	0
				36	0	22.73	22.59	22.32	0.5
				36	22	23.26	23.06	22.76	0
				36	43	22.70	22.55	22.19	0.5
			75	0	22.71	22.56	22.23	0.5	
			16QAM	1	1	22.74	22.56	22.37	0.5
			64QAM	1	1	21.41	21.26	21.01	2
			256QAM	1	1	18.78	18.62	18.28	4
			CP	QPSK	1	1	22.35	22.21	21.93

NR Band n2 _ 20 MHz Bandwidth

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	23.17	23.04	22.84	0
				1	53	23.15	23.03	22.78	0
				1	104	23.06	22.89	22.54	0
				50	0	23.19	23.06	22.80	0
				50	28	23.16	23.02	22.80	0
				50	56	23.17	23.05	22.75	0
			100	0	23.21	23.07	22.82	0	
			QPSK	1	1	23.19	23.07	22.92	0
				1	53	23.17	23.07	22.79	0
				1	104	23.13	22.97	22.65	0
				50	0	22.73	22.61	22.32	0.5
				50	28	23.19	23.13	22.85	0
				50	56	22.64	22.53	22.19	0.5
			100	0	22.69	22.62	22.36	0.5	
			16QAM	1	1	22.68	22.58	22.38	0.5
			64QAM	1	1	21.37	21.27	21.11	2
			256QAM	1	1	18.69	18.60	18.42	4
			CP	QPSK	1	1	22.26	22.22	21.93

[NR Band n25 Conducted Power_ DSI=2,3](Head mode) Ant. F

NR Band n25 _ 5 MHz Bandwidth

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	22.87	23.17	23.21	0
				1	13	22.78	23.11	23.18	0
				1	23	22.81	23.22	23.23	0
				12	0	22.83	23.20	23.28	0
				12	7	22.83	23.19	23.25	0
				12	13	22.83	23.18	23.29	0
			25	0	22.82	23.23	23.33	0	
			QPSK	1	1	22.93	23.22	23.32	0
				1	13	22.82	23.17	23.30	0
				1	23	22.89	23.24	23.39	0
				12	0	22.40	22.72	22.85	0
				12	7	22.88	23.17	23.29	0
				12	13	22.37	22.71	22.86	0
			25	0	22.37	22.67	22.89	0	
			16QAM	1	1	22.34	22.69	22.77	0
			64QAM	1	1	21.06	21.34	21.42	1.5
			256QAM	1	1	18.38	18.67	18.85	3.5
			CP	QPSK	1	1	22.18	22.16	22.17

NR Band n25 _ 10 MHz Bandwidth

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	23.01	23.02	23.17	0
				1	26	22.90	23.11	23.12	0
				1	50	22.98	23.15	23.18	0
				25	0	22.99	23.26	23.23	0
				25	14	23.12	23.23	23.32	0
				25	27	23.06	23.22	23.29	0
			50	0	23.07	23.21	23.35	0	
			QPSK	1	1	22.97	23.06	23.22	0
				1	26	22.94	23.14	23.27	0
				1	50	22.98	23.17	23.34	0
				25	0	22.21	22.73	22.75	0
				25	14	23.01	23.16	23.30	0
				25	27	22.47	22.74	22.83	0
			50	0	22.48	22.71	22.84	0	
			16QAM	1	1	22.37	22.52	22.71	0
			64QAM	1	1	21.06	21.23	21.37	1.5
			256QAM	1	1	18.28	18.51	18.70	3.5
			CP	QPSK	1	1	22.21	22.25	22.27

NR Band n25 _ 15 MHz Bandwidth

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	23.18	23.24	23.40	0
				1	40	22.91	23.14	23.40	0
				1	77	22.95	23.24	23.29	0
				36	0	22.91	23.22	23.49	0
				36	22	23.05	23.29	23.06	0
				36	43	22.94	23.28	23.02	0
			QPSK	75	0	23.01	23.24	23.01	0
				1	1	22.95	23.25	23.46	0
				1	40	22.98	23.18	23.44	0
				1	77	23.08	23.25	23.44	0
				36	0	22.58	22.77	22.98	0
				36	22	22.37	23.28	23.28	0
			16QAM	36	43	22.49	22.80	23.08	0
				75	0	22.47	22.78	23.01	0
				1	1	22.52	22.77	22.89	0
			64QAM	1	1	20.68	21.39	21.61	1.5
1	1	18.60		18.76	18.87	3.5			
256QAM	1	1	18.60	18.76	18.87	3.5			
CP	QPSK	1	1	22.27	22.32	22.23	0.5		

NR Band n25 _ 20 MHz Bandwidth

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	22.92	23.14	23.41	0
				1	53	22.99	23.16	23.35	0
				1	104	23.05	23.19	23.32	0
				50	0	23.03	23.20	23.38	0
				50	28	23.17	23.26	23.43	0
				50	56	23.12	23.27	23.41	0
			QPSK	100	0	23.14	23.25	23.47	0
				1	1	23.04	23.20	23.42	0
				1	53	23.12	23.21	23.47	0
				1	104	23.15	23.22	23.35	0
				50	0	22.56	22.74	22.95	0
				50	28	23.14	23.27	23.41	0
			16QAM	50	56	22.71	22.81	23.03	0
				100	0	22.68	22.79	23.01	0
				1	1	22.46	22.71	22.96	0
			64QAM	1	1	21.21	21.28	21.56	1.5
1	1	18.52		18.89	18.91	3.5			
256QAM	1	1	18.52	18.89	18.91	3.5			
CP	QPSK	1	1	22.50	22.19	22.26	0.5		

NR Band n25 _ 25 MHz Bandwidth

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		23.04		0	
				1	66		23.12		0	
				1	131		23.13		0	
				64	0		23.15		0	
				64	35		23.24		0	
				64	69		23.25		0	
			128	0		23.22		0		
			QPSK	1	1		23.17		0	
				1	66		23.21		0	
				1	131		23.21		0	
				64	0		22.67		0	
				64	35		23.20		0	
				64	69		22.81		0	
			128	0		22.75		0		
			16QAM	1	1		22.66		0	
64QAM	1	1		21.22		1.5				
256QAM	1	1		18.87		3.5				
CP	QPSK	1	1		22.14		0.5			

NR Band n25 _ 30 MHz Bandwidth

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		23.14		0	
				1	80		23.16		0	
				1	158		23.19		0	
				80	0		23.20		0	
				80	40		23.26		0	
				80	80		23.27		0	
			160	0		23.25		0		
			QPSK	1	1		23.20		0	
				1	80		23.21		0	
				1	158		23.22		0	
				80	0		22.74		0	
				80	40		23.27		0	
				80	80		22.81		0	
			160	0		22.79		0		
			16QAM	1	1		22.71		0	
64QAM	1	1		21.28		1.5				
256QAM	1	1		18.89		3.5				
CP	QPSK	1	1		22.19		0.5			

NR Band n25 _ 40 Mhz Bandwidth

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		22.93		0	
				1	108		23.23		0	
				1	214		22.78		0	
				108	0		23.23		0	
				108	54		23.19		0	
				108	108		23.09		0	
			216	0		23.18		0		
			QPSK	1	1		23.12		0	
				1	108		23.30		0	
				1	214		22.91		0	
				108	0		22.84		0	
				108	54		23.18		0	
				108	108		22.82		0	
			216	0		22.81		0		
16QAM	1	1		22.63		0				
64QAM	1	1		21.20		1.5				
256QAM	1	1		19.30		3.5				
CP	QPSK	1	1		22.23		0.5			

[NR Band n41 Conducted Power_ DSI = 2,3(Power Class 3)](Head mode) Ant. F

NR Band n41 _10 Mhz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]	
						500202	509400	518598	527802	537000		
						2501.01	2547	2592.99	2639.01	2685		
						Mhz	Mhz	Mhz	Mhz	Mhz		
10 Mhz	30	DFT-s	pi/2 BPSK	1	1	20.05	19.91	20.07	19.89	19.51	0	
				1	12	19.95	19.92	19.94	19.78	19.48	0	
				1	22	20.00	19.84	20.09	19.79	19.48	0	
				12	0	20.04	19.88	20.23	19.88	19.44	0	
				12	6	19.92	19.93	20.06	19.79	19.57	0	
				12	12	20.00	19.93	20.05	19.82	19.62	0	
			24	0	20.05	19.91	20.21	19.84	19.54	0		
			QPSK	1	1	19.92	19.85	20.11	19.82	19.56	0	
				1	12	19.92	20.02	20.08	19.85	19.47	0	
				1	22	20.03	19.93	19.99	19.91	19.50	0	
				12	0	19.95	19.89	20.09	19.87	19.49	0	
				12	6	20.03	19.93	20.16	19.93	19.51	0	
				12	12	20.09	19.89	20.07	19.81	19.57	0	
			24	0	19.95	20.09	20.04	19.97	19.49	0		
			16QAM	1	1	19.86	19.74	19.82	19.74	19.31	0	
			64QAM	1	1	20.02	19.98	20.11	19.85	19.52	0	
			256QAM	1	1	18.70	18.59	18.86	18.62	18.26	0.5	
			CP	QPSK	1	1	19.84	19.91	20.06	19.90	19.42	0

NR Band n41_15 Mhz Bandwidth

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	20.11	20.01	19.99	19.79	19.52	0
				1	18	19.97	19.98	19.94	19.72	19.54	0
				1	36	20.03	19.84	20.17	19.85	19.40	0
				18	0	20.04	19.97	20.13	19.84	19.34	0
				18	9	19.84	20.03	20.03	19.75	19.64	0
				18	18	19.95	19.89	19.97	19.88	19.54	0
			QPSK	36	0	20.08	19.98	20.11	19.92	19.47	0
				1	1	20.02	19.95	20.17	19.75	19.60	0
				1	18	20.00	20.00	20.02	19.77	19.51	0
				1	36	20.13	19.91	20.04	19.88	19.45	0
				18	0	19.95	19.90	20.16	19.88	19.56	0
				18	9	20.06	19.91	20.13	20.03	19.50	0
			16QAM	18	18	20.09	19.88	20.13	19.74	19.67	0
				36	0	19.95	20.14	20.09	19.93	19.53	0
				1	1	19.94	19.83	19.81	19.77	19.41	0
64QAM	1	1	20.05	20.03	20.04	19.84	19.54	0			
256QAM	1	1	18.71	18.53	18.87	18.61	18.32	0.5			
CP	QPSK	1	1	19.83	19.81	19.98	19.91	19.45	0		

NR Band n41_20 Mhz Bandwidth

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	20.08	19.86	20.16	19.81	19.48	0
				1	26	20.01	19.87	19.95	19.87	19.58	0
				1	49	20.01	19.89	20.03	19.85	19.38	0
				25	0	20.01	19.87	20.14	19.94	19.41	0
				25	13	19.95	19.92	20.07	19.71	19.49	0
				25	26	20.06	19.94	20.12	19.74	19.61	0
			QPSK	50	0	20.10	19.86	20.12	19.75	19.61	0
				1	1	19.86	19.76	20.08	19.89	19.47	0
				1	26	19.82	19.99	20.04	19.84	19.38	0
				1	49	20.11	19.94	20.03	19.84	19.43	0
				25	0	20.05	19.86	20.08	19.93	19.56	0
				25	13	19.98	19.98	20.21	19.88	19.47	0
			16QAM	25	26	20.17	19.82	20.06	19.77	19.57	0
				50	0	19.90	20.16	20.13	20.06	19.57	0
				1	1	19.78	19.76	19.83	19.84	19.22	0
64QAM	1	1	20.06	19.98	20.10	19.88	19.49	0			
256QAM	1	1	18.70	18.66	18.86	18.58	18.19	0.5			
CP	QPSK	1	1	19.76	19.83	20.16	19.94	19.34	0		

NR Band n41 _30 Mhz Bandwidth

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	20.03	19.85	20.14	19.80	19.57	0
				1	39	20.02	19.99	19.87	19.79	19.54	0
				1	76	19.98	19.92	20.05	19.80	19.53	0
				36	0	20.11	19.96	20.20	19.91	19.52	0
				36	21	19.84	19.99	19.98	19.84	19.53	0
				36	42	20.01	19.87	19.97	19.91	19.67	0
			75	0	20.02	19.89	20.21	19.78	19.53	0	
			QPSK	1	1	19.88	19.78	20.04	19.84	19.50	0
				1	39	19.87	20.08	20.14	19.83	19.44	0
				1	76	19.99	20.02	19.99	19.85	19.50	0
				36	0	19.85	19.94	20.19	19.84	19.47	0
				36	21	19.97	19.83	20.19	19.93	19.61	0
				36	42	20.01	19.86	20.11	19.79	19.56	0
			75	0	19.91	20.01	19.96	19.90	19.41	0	
			16QAM	1	1	19.77	19.64	19.73	19.73	19.30	0
			64QAM	1	1	19.96	20.02	20.11	19.87	19.55	0
			256QAM	1	1	18.78	18.57	18.77	18.58	18.28	0.5
			CP	QPSK	1	1	19.79	19.92	20.15	19.93	19.36

NR Band n41 _40 Mhz Bandwidth

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	20.00	19.92		19.93	19.44	0
				1	53	19.96	19.98		19.87	19.38	0
				1	104	20.05	19.82		19.86	19.46	0
				50	0	20.10	19.90		19.92	19.34	0
				50	28	20.02	20.02		19.78	19.51	0
				50	56	19.96	19.87		19.91	19.53	0
			100	0	20.00	19.91		19.77	19.55	0	
			QPSK	1	1	19.96	19.82		19.74	19.56	0
				1	53	19.82	20.00		19.87	19.55	0
				1	104	19.97	20.02		19.85	19.49	0
				50	0	19.85	19.98		19.80	19.51	0
				50	28	19.93	19.92		19.97	19.44	0
				50	56	20.15	19.86		19.83	19.56	0
			100	0	19.96	20.16		20.00	19.45	0	
			16QAM	1	1	19.86	19.72		19.83	19.27	0
			64QAM	1	1	19.94	19.98		19.86	19.61	0
			256QAM	1	1	18.73	18.58		18.62	18.32	0.5
			CP	QPSK	1	1	19.94	19.84		19.87	19.52

NR Band n41_50 Mhz Bandwidth

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	20.15		19.99	19.42	0
				1	67	19.91		19.99	19.45	0
				1	131	19.95		20.09	19.44	0
				64	0	19.94		20.17	19.46	0
				64	35	19.87		19.98	19.51	0
				64	69	19.95		19.95	19.65	0
			128	0	20.10		20.29	19.63	0	
			QPSK	1	1	19.96		20.02	19.66	0
				1	67	19.87		20.17	19.37	0
				1	131	20.08		19.92	19.55	0
				64	0	20.05		20.19	19.56	0
				64	35	20.10		20.21	19.58	0
				64	69	20.03		19.99	19.52	0
			128	0	19.91		19.98	19.40	0	
			16QAM	1	1	19.91		19.78	19.21	0
			64QAM	1	1	19.96		20.15	19.49	0
256QAM	1	1	18.72		18.80	18.28	0.5			
CP	QPSK	1	1	19.74		20.13	19.41	0		

NR Band n41_60 Mhz Bandwidth

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	20.11		20.08	19.42	0
				1	81	19.86		20.00	19.38	0
				1	160	19.94		20.02	19.43	0
				81	0	20.13		20.27	19.39	0
				81	41	19.93		20.13	19.55	0
				81	81	19.96		20.09	19.64	0
			162	0	20.10		20.14	19.62	0	
			QPSK	1	1	19.86		20.04	19.51	0
				1	81	19.85		20.04	19.53	0
				1	160	19.93		20.08	19.43	0
				81	0	19.91		20.01	19.59	0
				81	41	20.10		20.17	19.55	0
				81	81	20.00		20.05	19.55	0
			162	0	20.02		19.94	19.53	0	
			16QAM	1	1	19.85		19.76	19.38	0
			64QAM	1	1	19.94		20.15	19.45	0
256QAM	1	1	18.70		18.79	18.34	0.5			
CP	QPSK	1	1	19.91		20.05	19.52	0		

NR Band n41_70 Mhz Bandwidth

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	20.05				19.42	0
				1	81	19.90				19.50	0
				1	160	19.99				19.53	0
				81	0	20.06				19.41	0
				81	41	19.99				19.55	0
				81	81	19.91				19.59	0
				162	0	19.96				19.55	0
			QPSK	1	1	19.96				19.62	0
				1	81	20.01				19.42	0
				1	160	20.05				19.41	0
				81	0	20.02				19.43	0
				81	41	19.93				19.53	0
				81	81	20.02				19.63	0
				162	0	20.03				19.54	0
			16QAM	1	1	19.92				19.37	0
			64QAM	1	1	20.04				19.46	0
			256QAM	1	1	18.77				18.25	0.5
CP	QPSK	1	1	19.74				19.42	0		

NR Band n41_80 Mhz Bandwidth

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	20.08				19.47	0
				1	109	19.99				19.40	0
				1	215	20.01				19.46	0
				108	0	20.07				19.43	0
				108	55	19.88				19.66	0
				108	109	19.97				19.66	0
				216	0	20.14				19.53	0
			QPSK	1	1	20.01				19.47	0
				1	109	19.83				19.37	0
				1	215	20.01				19.49	0
				108	0	20.02				19.41	0
				108	55	20.08				19.46	0
				108	109	20.05				19.52	0
				216	0	20.01				19.49	0
			16QAM	1	1	19.96				19.30	0
			64QAM	1	1	19.97				19.60	0
			256QAM	1	1	18.69				18.22	0.5
CP	QPSK	1	1	19.75				19.45	0		

NR Band n41_90 Mhz Bandwidth

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	20.12				19.42	0
				1	123	19.90				19.45	0
				1	243	20.08				19.41	0
				120	0	20.08				19.46	0
				120	63	20.00				19.60	0
				120	125	19.92				19.67	0
			243	0	20.05				19.55	0	
			QPSK	1	1	19.97				19.47	0
				1	123	19.91				19.40	0
				1	243	20.06				19.56	0
				120	0	20.04				19.44	0
				120	63	19.96				19.47	0
				120	125	20.05				19.61	0
			243	0	19.95				19.55	0	
			16QAM	1	1	19.95				19.27	0
			64QAM	1	1	19.98				19.42	0
			256QAM	1	1	18.69				18.21	0.5
CP	QPSK	1	1	19.76				19.47	0		

NR Band n41_100 Mhz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)				MPR [dB]	
								518598			
								2592.99 Mhz			
100 Mhz	30	DFT-s	pi/2 BPSK	1	1			19.98			0
				1	137			19.99			0
				1	271			20.17			0
				135	0			20.14			0
				135	69			20.11			0
				135	138			20.09			0
			270	0			20.17			0	
			QPSK	1	1			20.06			0
				1	137			20.07			0
				1	271			20.08			0
				135	0			20.02			0
				135	69			20.25			0
				135	138			20.02			0
			270	0			19.98			0	
			16QAM	1	1			19.75			0
			64QAM	1	1			20.16			0
			256QAM	1	1			18.94			0.5
CP	QPSK	1	1			20.12			0		

[NR Band n66 Conducted Power _ DSI = 2,3](Head mode)Ant. F

NR Band n66 _5 Mhz Bandwidth

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	22.75	22.56	22.09	0
				1	13	22.82	22.59	22.05	0
				1	23	22.79	22.51	22.18	0
				12	0	22.82	22.57	22.27	0
				12	7	22.77	22.45	22.22	0
				12	13	22.71	22.64	22.12	0
			QPSK	25	0	22.86	22.58	22.22	0
				1	1	22.88	22.60	22.29	0
				1	13	22.90	22.55	22.26	0
				1	23	22.92	22.66	22.19	0
				12	0	22.35	22.00	21.50	0
				12	7	22.75	22.57	22.07	0
			16QAM	12	13	22.42	22.07	21.68	0
				25	0	22.31	22.15	21.65	0
				1	1	22.29	22.14	21.77	0
				1	1	20.91	20.76	20.36	0
256QAM	1	1	18.17	18.06	17.51	1.5			
	1	1	21.70	21.58	21.20	0			
CP	QPSK	1	1	21.70	21.58	21.20	0		

NR Band n66 _ 10 Mhz Bandwidth

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	22.52	22.38	21.92	0
				1	26	22.53	22.30	21.87	0
				1	50	22.64	22.33	21.86	0
				25	0	22.57	22.39	22.02	0
				25	14	22.61	22.33	21.91	0
				25	27	22.61	22.39	21.97	0
			QPSK	50	0	22.72	22.36	21.99	0
				1	1	22.50	22.26	21.97	0
				1	26	22.58	22.33	22.02	0
				1	50	22.66	22.29	21.96	0
				25	0	22.02	21.90	21.33	0.5
				25	14	22.73	22.46	21.98	0
			16QAM	25	27	22.20	21.81	21.50	0.5
				50	0	21.98	21.90	21.45	0.5
				1	1	22.02	21.85	21.48	0.5
				1	1	20.72	20.50	20.13	2
256QAM	1	1	17.96	17.80	17.37	4			
	1	1	21.62	21.30	20.92	1			
CP	QPSK	1	1	21.62	21.30	20.92	1		

NR Band n66 _ 15 MHz Bandwidth

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	22.43	22.00	21.79	0
				1	40	22.49	22.16	21.71	0
				1	77	22.38	22.05	21.67	0
				36	0	22.42	22.16	21.84	0
				36	22	22.51	22.10	21.79	0
				36	43	22.31	22.13	21.81	0
			75	0	22.45	22.23	21.68	0	
			QPSK	1	1	22.38	22.20	21.81	0
				1	40	22.36	22.22	21.75	0
				1	77	22.56	22.13	21.69	0
				36	0	21.81	21.74	21.13	0.5
				36	22	22.34	22.16	21.85	0
				36	43	21.83	21.72	21.32	0.5
			75	0	21.79	21.70	21.28	0.5	
			16QAM	1	1	21.94	21.75	21.22	0.5
			64QAM	1	1	20.69	20.41	19.85	2
			256QAM	1	1	17.72	17.65	17.19	4
			CP	QPSK	1	1	21.35	21.24	20.76

NR Band n66 _ 20 MHz Bandwidth

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	22.80	22.80	22.51	0
				1	53	22.66	22.45	22.46	0
				1	104	22.74	22.66	22.48	0
				50	0	22.81	22.58	22.58	0
				50	28	22.94	22.54	22.53	0
				50	56	22.82	22.62	22.37	0
			100	0	22.87	22.65	22.49	0	
			QPSK	1	1	23.02	22.84	22.54	0
				1	53	22.89	22.47	22.44	0
				1	104	22.84	22.62	22.32	0
				50	0	22.39	22.02	22.14	0.5
				50	28	22.96	22.67	22.38	0
				50	56	22.20	22.23	21.96	0.5
			100	0	22.38	22.14	21.97	0.5	
			16QAM	1	1	22.31	22.29	22.07	0.5
			64QAM	1	1	20.76	20.66	20.68	2
			256QAM	1	1	18.42	18.23	17.88	4
			CP	QPSK	1	1	21.81	21.79	21.50

NR Band n66 _ 25 Mhz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
							349000		
							1745 Mhz		
25 Mhz	15	DFT-s OFDM	pi/2 BPSK	1	1		22.62		0
				1	66		22.53		0
				1	131		22.32		0
				64	0		22.59		0
				64	35		22.66		0
				64	69		22.68		0
			128	0		22.80		0	
			QPSK	1	1		22.77		0
				1	66		22.54		0
				1	131		22.31		0
				64	0		22.10		0.5
				64	35		22.71		0
				64	69		22.01		0.5
			128	0		22.17		0.5	
16QAM	1	1		22.22		0.5			
64QAM	1	1		20.87		2			
256QAM	1	1		18.13		4			
CP	QPSK	1	1		21.70		1		

NR Band n66 _ 30 Mhz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
							349000		
							1745 Mhz		
30 Mhz	15	DFT-s	pi/2 BPSK	1	1		22.77		0
				1	80		22.57		0
				1	158		22.36		0
				80	0		22.63		0
				80	40		22.70		0
				80	80		22.71		0
			160	0		22.72		0	
			QPSK	1	1		22.84		0
				1	80		22.65		0
				1	158		22.52		0
				80	0		22.25		0.5
				80	40		22.63		0
				80	80		22.23		0.5
			160	0		22.29		0.5	
			16QAM	1	1		22.41		0.5
			64QAM	1	1		20.93		2
			256QAM	1	1		18.22		4
			CP	QPSK	1	1		21.75	

NR Band n66 _ 40 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
							349000		
							1745 MHz		
40 MHz	15	DFT-s	pi/2 BPSK	1	1		22.77		0
				1	108		22.75		0
				1	214		22.43		0
				108	0		22.76		0
				108	54		22.69		0
				108	108		22.72		0
			216	0		22.87		0	
			QPSK	1	1		23.01		0
				1	108		22.77		0
				1	214		22.65		0
				108	0		22.33		0.5
				108	54		22.83		0
				108	108		22.22		0.5
			216	0		22.32		0.5	
			16QAM	1	1		22.36		0.5
64QAM	1	1		20.87		2			
256QAM	1	1		18.29		4			
CP	QPSK	1	1		21.82		1		

[NR Band n77 Conducted Power_DSI=2,3] – Power Class 3(Head mode) Ant.F

NR Band n77_ 10 MHz Bandwidth

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	17.46	17.57	17.26	16.89	17.10	17.14	0
				1	12	17.46	17.59	17.18	16.97	17.15	17.15	0
				1	22	17.43	17.56	17.15	16.92	17.05	17.19	0
				12	0	17.57	17.64	17.21	16.99	17.19	17.19	0
				12	6	17.57	17.63	17.21	17.01	17.21	17.19	0
				12	12	17.56	17.65	17.21	16.99	17.17	17.20	0
			24	0	17.51	17.66	17.22	16.96	17.17	17.19	0	
			QPSK	1	1	17.46	17.61	17.31	16.95	17.14	17.10	0
				1	12	17.50	17.61	17.20	16.99	17.15	17.10	0
				1	22	17.48	17.57	17.15	16.93	17.11	17.18	0
				12	0	17.55	17.67	17.24	16.99	17.18	17.18	0
				12	6	17.55	17.65	17.24	17.00	17.17	17.20	0
				12	12	17.53	17.63	17.19	17.01	17.18	17.21	0
			24	0	17.58	17.62	17.21	16.98	17.20	17.18	0	
			16QAM	1	1	17.30	17.41	17.23	16.84	16.90	17.10	0
			64QAM	1	1	17.50	17.57	17.30	16.95	17.17	17.23	0
			256QAM	1	1	17.11	16.99	16.67	16.30	16.74	16.48	0
			CP	QPSK	1	1	17.53	17.66	17.34	16.99	17.23	17.16

NR Band n77_ 15 MHz Bandwidth

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	pi/2 BPSK	1	1	17.59	17.75	17.37	17.05	17.16	17.42	0
				1	18	17.51	17.66	17.19	16.95	17.17	17.38	0
				1	36	17.52	17.64	17.31	17.07	17.25	17.41	0
				18	0	17.61	17.80	17.34	17.10	17.20	17.40	0
				18	9	17.58	17.77	17.29	17.04	17.25	17.37	0
				18	18	17.65	17.67	17.30	17.09	17.28	17.41	0
			QPSK	36	0	17.62	17.80	17.35	17.09	17.29	17.38	0
				1	1	17.61	17.81	17.46	17.06	17.16	17.36	0
				1	18	17.55	17.71	17.29	16.99	17.20	17.34	0
				1	36	17.55	17.66	17.36	17.13	17.28	17.37	0
				18	0	17.64	17.79	17.31	17.07	17.18	17.40	0
				18	9	17.61	17.75	17.31	17.06	17.24	17.35	0
				18	18	17.61	17.65	17.31	17.12	17.27	17.39	0
				36	0	17.63	17.78	17.31	17.08	17.31	17.37	0
				16QAM	1	1	17.44	17.63	17.26	16.85	16.96	17.63
			64QAM	1	1	17.67	17.78	17.43	17.07	17.18	17.53	0
256QAM	1	1	17.22	17.41	17.06	16.58	16.76	16.90	0			
CP	QPSK	1	1	17.69	17.90	17.54	17.13	17.28	17.44	0		

NR Band n77_ 20 MHz Bandwidth

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	17.72	17.77	17.45	16.96	17.11	17.33	0
				1	26	17.62	17.58	17.26	16.98	17.12	17.27	0
				1	49	17.57	17.64	17.29	17.05	17.21	17.35	0
				25	0	17.71	17.83	17.39	17.06	17.17	17.32	0
				25	13	17.67	17.69	17.34	17.08	17.17	17.33	0
				25	26	17.70	17.73	17.36	17.11	17.33	17.35	0
				50	0	17.70	17.72	17.33	17.10	17.19	17.37	0
			QPSK	1	1	17.72	17.87	17.44	17.01	17.15	17.31	0
				1	26	17.61	17.64	17.21	17.00	17.18	17.29	0
				1	49	17.63	17.67	17.25	17.09	17.25	17.40	0
				25	0	17.73	17.88	17.39	17.08	17.19	17.34	0
				25	13	17.69	17.71	17.32	17.07	17.18	17.32	0
				25	26	17.69	17.72	17.35	17.15	17.31	17.37	0
			50	0	17.71	17.74	17.35	17.12	17.21	17.36	0	
			16QAM	1	1	17.50	17.71	17.22	16.82	16.92	17.38	0
			64QAM	1	1	17.75	17.86	17.42	17.01	17.16	17.30	0
256QAM	1	1	17.12	17.18	16.85	16.41	16.55	16.90	0			
CP	QPSK	1	1	17.78	17.87	17.48	17.07	17.20	17.40	0		

NR Band n77_ 30 MHz Bandwidth

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	pi/2 BPSK	1	1	17.67	17.74	17.43	17.27	17.19	17.51	0
				1	39	17.60	17.60	17.36	17.18	17.20	17.42	0
				1	76	17.69	17.56	17.36	17.14	17.36	17.30	0
				36	0	17.69	17.82	17.36	17.33	17.31	17.51	0
				36	21	17.66	17.69	17.38	17.25	17.28	17.49	0
				36	42	17.69	17.71	17.33	17.23	17.39	17.42	0
			QPSK	75	0	17.71	17.76	17.39	17.29	17.32	17.52	0
				1	1	17.71	17.78	17.42	17.29	17.22	17.56	0
				1	39	17.60	17.64	17.33	17.21	17.23	17.47	0
				1	76	17.75	17.59	17.33	17.17	17.40	17.35	0
				36	0	17.74	17.85	17.39	17.32	17.28	17.52	0
				36	21	17.70	17.71	17.37	17.29	17.26	17.47	0
				36	42	17.72	17.74	17.36	17.26	17.42	17.42	0
				75	0	17.72	17.76	17.40	17.26	17.30	17.52	0
				16QAM	1	1	17.54	17.56	17.66	17.08	17.00	17.31
			64QAM	1	1	17.73	17.82	17.55	17.29	17.23	17.56	0
			256QAM	1	1	17.11	17.37	16.98	16.87	16.75	16.96	0
			CP	QPSK	1	1	17.80	17.86	17.51	17.36	17.30	17.60

NR Band n77_ 40 MHz Bandwidth

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	17.94	17.95	17.59	17.34	17.44	17.46	0
				1	53	17.58	17.64	17.37	17.19	17.24	17.40	0
				1	104	17.64	17.59	17.42	17.18	17.34	17.40	0
				50	0	17.80	17.91	17.43	17.31	17.42	17.50	0
				50	28	17.71	17.72	17.44	17.26	17.35	17.47	0
				50	56	17.77	17.64	17.39	17.26	17.45	17.53	0
			QPSK	100	0	17.75	17.76	17.43	17.28	17.40	17.49	0
				1	1	17.95	17.94	17.56	17.40	17.51	17.48	0
				1	53	17.61	17.65	17.34	17.24	17.32	17.42	0
				1	104	17.68	17.65	17.39	17.23	17.44	17.44	0
				50	0	17.78	17.89	17.42	17.36	17.40	17.47	0
				50	28	17.70	17.75	17.43	17.30	17.35	17.49	0
				50	56	17.75	17.66	17.39	17.28	17.41	17.51	0
				100	0	17.74	17.78	17.44	17.29	17.38	17.52	0
				16QAM	1	1	17.72	17.72	17.33	17.23	17.32	17.30
			64QAM	1	1	17.98	17.98	17.55	17.43	17.48	17.53	0
			256QAM	1	1	17.52	17.59	17.14	17.01	17.16	17.01	0
			CP	QPSK	1	1	17.83	17.87	17.63	17.49	17.57	17.54

NR Band n77_ 50 Mhz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]	
						648334	652166	656000		659834	663666		
						3725.01	3782.49	3840		3897.51	3954.99		
						MHz	MHz	MHz		MHz	MHz		
50 Mhz	30	DFT-s OFDM	pi/2 BPSK	1	1	17.37	17.60	17.16		16.95	17.20	0	
				1	67	17.38	17.31	17.08		16.95	17.11	0	
				1	131	17.22	17.24	17.09		17.12	17.05	0	
				64	0	17.47	17.52	17.08		17.01	17.24	0	
				64	35	17.41	17.35	17.09		17.04	17.18	0	
				64	69	17.38	17.30	17.05		17.12	17.12	0	
			128	0	17.41	17.35	17.07		17.04	17.21	0		
			QPSK	1	1	17.42	17.58	17.13		17.01	17.26	0	
				1	67	17.41	17.29	17.03		17.03	17.16	0	
				1	131	17.26	17.19	17.07		17.18	17.10	0	
				64	0	17.48	17.49	17.08		17.05	17.27	0	
				64	35	17.43	17.38	17.08		17.08	17.21	0	
				64	69	17.37	17.28	17.05		17.16	17.16	0	
			128	0	17.44	17.37	17.05		17.05	17.22	0		
			16QAM	1	1	17.25	17.34	16.95		17.14	17.18	0	
			64QAM	1	1	17.42	17.59	17.09		17.01	17.30	0	
			256QAM	1	1	16.82	17.18	16.69		16.52	16.64	0	
			CP	QPSK	1	1	17.48	17.70	17.23		17.04	17.33	0

NR Band n77_ 60 Mhz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]	
						648668	653556			658444	663332		
						3730.02	3803.34			3876.66	3949.98		
						MHz	MHz			MHz	MHz		
60 Mhz	30	DFT-s OFDM	pi/2 BPSK	1	1	17.45	17.50			16.87	16.98	0	
				1	81	17.30	17.22			16.97	17.16	0	
				1	160	17.23	17.00			16.98	17.19	0	
				81	0	17.55	17.37			16.97	17.12	0	
				81	41	17.39	17.29			17.01	17.26	0	
				81	81	17.30	17.18			17.08	17.30	0	
			162	0	17.43	17.28			17.03	17.17	0		
			QPSK	1	1	17.48	17.44			16.88	17.08	0	
				1	81	17.33	17.20			16.98	17.19	0	
				1	160	17.27	16.93			17.03	17.23	0	
				81	0	17.55	17.40			17.01	17.15	0	
				81	41	17.39	17.27			17.06	17.24	0	
				81	81	17.33	17.19			17.12	17.29	0	
			162	0	17.45	17.28			17.06	17.17	0		
			16QAM	1	1	17.20	17.59			16.72	16.83	0	
			64QAM	1	1	17.51	17.34			16.88	17.10	0	
			256QAM	1	1	16.87	16.97			16.49	16.45	0	
			CP	QPSK	1	1	17.54	17.54			16.97	17.13	0

NR Band n77_70 Mhz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						649000	654336			658334	663000	
						3750 MHz	3804.99 MHz			3875.01 MHz	3945 MHz	
70 Mhz	30	DFT-s OFDM	pi/2 BPSK	1	1	17.30	17.43			16.82	16.90	0
				1	95	17.24	17.20			16.92	17.08	0
				1	187	17.23	16.77			17.06	17.20	0
				90	0	17.37	17.37			16.79	17.00	0
				90	50	17.35	17.23			16.98	17.05	0
				90	99	17.26	17.03			17.06	17.23	0
			180	0	17.34	17.22			16.95	17.07	0	
			QPSK	1	1	17.33	17.50			16.86	16.97	0
				1	95	17.27	17.25			16.96	17.16	0
				1	187	17.26	16.82			17.10	17.23	0
				90	0	17.39	17.40			16.81	17.02	0
				90	50	17.32	17.24			16.98	17.07	0
				90	99	17.31	17.10			17.04	17.27	0
			180	0	17.34	17.25			16.98	17.08	0	
			16QAM	1	1	17.15	17.68			16.66	16.78	0
			64QAM	1	1	17.34	17.57			16.84	16.98	0
			256QAM	1	1	16.73	17.04			16.41	16.36	0
CP	QPSK	1	1	17.39	17.62			16.92	17.02	0		

NR Band n77_80 Mhz Bandwidth

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	17.34		17.05		16.90		0
				1	109	17.27		16.99		17.03		0
				1	215	17.18		16.91		17.10		0
				108	0	17.43		17.08		17.09		0
				108	55	17.32		17.00		17.12		0
				108	109	17.19		16.93		17.22		0
			216	0	17.35		16.98		17.09		0	
			QPSK	1	1	17.41		17.11		16.93		0
				1	109	17.31		17.00		17.08		0
				1	215	17.18		16.90		17.16		0
				108	0	17.48		17.13		17.12		0
				108	55	17.43		17.03		17.12		0
				108	109	17.23		16.93		17.22		0
			216	0	17.35		17.02		17.12		0	
			16QAM	1	1	17.13		16.94		16.73		0
			64QAM	1	1	17.45		17.12		16.96		0
			256QAM	1	1	16.90		16.67		16.49		0
CP	QPSK	1	1	17.48		17.22		17.01		0		

NR Band n77_ 90 MHz Bandwidth

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 OFDM	pi/2 BPSK	1	1	17.31		17.19		16.96	0
				1	123	17.21		16.99		17.04	0
				1	243	17.35		17.01		17.03	0
				120	0	17.36		17.12		17.17	0
				120	63	17.28		17.04		17.13	0
				120	125	17.27		16.93		17.11	0
			243	0	17.34		17.02		17.09	0	
			QPSK	1	1	17.34		17.26		17.01	0
				1	123	17.26		17.01		17.10	0
				1	243	17.37		16.99		17.05	0
				120	0	17.37		17.09		17.15	0
				120	63	17.33		17.03		17.13	0
				120	125	17.27		16.90		17.14	0
			243	0	17.32		17.04		17.12	0	
			16QAM	1	1	17.10		17.13		16.81	0
			64QAM	1	1	17.34		17.06		17.03	0
			256QAM	1	1	16.76		16.74		16.55	0
			CP	QPSK	1	1	17.38		17.32		17.10

NR Band n77_ 100 MHz Bandwidth

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	17.43				16.86	0
				1	137	17.34				17.05	0
				1	271	17.24				17.16	0
				135	0	17.41				17.01	0
				135	69	17.30				17.10	0
				135	138	17.29				17.20	0
			270	0	17.31				17.12	0	
			QPSK	1	1	17.39				16.93	0
				1	137	17.40				17.09	0
				1	271	17.29				17.20	0
				135	0	17.44				17.04	0
				135	69	17.34				17.13	0
				135	138	17.34				17.22	0
			270	0	17.33				17.12	0	
			16QAM	1	1	17.17				16.72	0
			64QAM	1	1	17.48				16.96	0
			256QAM	1	1	16.97				16.49	0
			CP	QPSK	1	1	17.49				17.01

[NR Band n77 DOD Conducted Power_ DSI=2,3] – Power Class 3(Head mode) Ant.F

NR Band n77_10 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						630334	633334	636332	
						3445.01 MHz	3500.01 MHz	3544.98 MHz	
10 MHz	30	DFT-s	pi/2 BPSK	1	1	17.02	17.07	16.91	0
				1	12	16.99	17.08	17.03	0
				1	22	16.99	17.12	17.08	0
				12	0	17.08	17.17	17.04	0
				12	6	17.07	17.18	17.11	0
				12	12	17.13	17.21	17.13	0
			24	0	17.12	17.18	17.15	0	
			QPSK	1	1	17.01	17.12	16.97	0
				1	12	16.99	17.10	17.06	0
				1	22	17.02	17.13	17.09	0
				12	0	17.06	17.19	17.06	0
				12	6	17.07	17.22	17.15	0
				12	12	17.11	17.22	17.16	0
			24	0	17.12	17.23	17.17	0	
			16QAM	1	1	16.81	16.88	16.82	0
			64QAM	1	1	17.05	17.17	17.01	0
			256QAM	1	1	16.42	16.49	16.52	0
			CP	QPSK	1	1	17.04	17.16	16.96

NR Band n77_15 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						630500	633334	636166	
						3457.5 MHz	3500.01 MHz	3542.49 MHz	
15 MHz	30	DFT-s	pi/2 BPSK	1	1	17.11	17.32	17.04	0
				1	18	17.24	17.29	17.06	0
				1	36	17.31	17.39	17.30	0
				18	0	17.17	17.35	17.11	0
				18	9	17.30	17.36	17.13	0
				18	18	17.33	17.40	17.18	0
			36	0	17.29	17.36	17.14	0	
			QPSK	1	1	17.15	17.35	17.08	0
				1	18	17.26	17.37	17.13	0
				1	36	17.29	17.45	17.29	0
				18	0	17.19	17.37	17.13	0
				18	9	17.27	17.37	17.16	0
				18	18	17.29	17.38	17.19	0
			36	0	17.30	17.39	17.17	0	
			16QAM	1	1	16.97	17.21	16.84	0
			64QAM	1	1	17.19	17.38	17.11	0
			256QAM	1	1	16.71	16.84	16.63	0
			CP	QPSK	1	1	17.20	17.34	17.15

NR Band n77_20 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						630668	633334	636000	
						3460.02 MHz	3500.01 MHz	3540 MHz	
20 MHz	30	DFT-s	pi/2 BPSK	1	1	17.21	17.41	17.09	0
				1	26	17.16	17.32	17.03	0
				1	49	17.17	17.35	17.10	0
				25	0	17.27	17.33	17.03	0
				25	13	17.26	17.33	17.15	0
				25	26	17.31	17.36	17.13	0
			50	0	17.28	17.35	17.08	0	
			QPSK	1	1	17.21	17.34	17.07	0
				1	26	17.19	17.25	17.00	0
				1	49	17.22	17.29	17.07	0
				25	0	17.29	17.33	17.04	0
				25	13	17.28	17.31	17.06	0
				25	26	17.30	17.35	17.12	0
			50	0	17.27	17.33	17.06	0	
			16QAM	1	1	17.03	17.34	16.83	0
			64QAM	1	1	17.28	17.52	17.11	0
256QAM	1	1	16.63	16.74	16.58	0			
CP	QPSK	1	1	17.30	17.39	17.18	0		

NR Band n77_30 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						631000	633334	635666	
						3465 MHz	3500.01 MHz	3534.99 MHz	
30 MHz	30	DFT-s	pi/2 BPSK	1	1	17.24	17.35	17.17	0
				1	39	17.18	17.34	17.13	0
				1	76	17.25	17.40	17.21	0
				36	0	17.26	17.46	17.23	0
				36	21	17.29	17.42	17.21	0
				36	42	17.30	17.50	17.29	0
				75	0	17.34	17.45	17.27	0
			QPSK	1	1	17.24	17.36	17.23	0
				1	39	17.22	17.36	17.17	0
				1	76	17.29	17.47	17.26	0
				36	0	17.24	17.48	17.28	0
				36	21	17.29	17.43	17.24	0
				36	42	17.36	17.50	17.31	0
			75	0	17.36	17.48	17.29	0	
			16QAM	1	1	17.11	17.15	16.99	0
			64QAM	1	1	17.26	17.39	17.26	0
256QAM	1	1	16.86	16.92	16.64	0			
CP	QPSK	1	1	17.38	17.43	17.30	0		

NR Band n77_40 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						631334		635332	
						3470.01 MHz		3529.98 MHz	
40 MHz	30	DFT-s	pi/2 BPSK	1	1	17.41		17.04	0
				1	53	17.30		17.04	0
				1	104	17.56		17.31	0
				50	0	17.49		17.06	0
				50	28	17.43		17.18	0
				50	56	17.48		17.25	0
				100	0	17.46		17.22	0
			QPSK	1	1	17.43		17.07	0
				1	53	17.36		17.08	0
				1	104	17.58		17.33	0
				50	0	17.49		17.07	0
				50	28	17.45		17.16	0
				50	56	17.46		17.25	0
			16QAM	100	0	17.47		17.20	0
				1	1	17.27		16.83	0
				1	1	17.46		17.12	0
256QAM	1	1	17.07		16.66	0			
	CP	QPSK	1	1	17.55		17.16	0	

NR Band n77_50 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						631668		635000	
						3475.02 MHz		3525 MHz	
50 MHz	30	DFT-s	pi/2 BPSK	1	1	17.13		16.66	0
				1	67	16.97		16.67	0
				1	131	17.12		16.94	0
				64	0	17.15		16.86	0
				64	35	17.09		16.86	0
				64	69	17.16		16.87	0
				128	0	17.10		16.85	0
			QPSK	1	1	17.17		16.70	0
				1	67	17.00		16.73	0
				1	131	17.15		16.99	0
				64	0	17.15		16.85	0
				64	35	17.09		16.85	0
				64	69	17.21		16.86	0
			16QAM	128	0	17.11		16.85	0
				1	1	16.98		16.55	0
				1	1	17.17		16.71	0
256QAM	1	1	16.58		16.31	0			
	CP	QPSK	1	1	17.25		16.80	0	

NR Band n77_60 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
							3500.01 MHz		
60 MHz	30	DFT-s	pi/2 BPSK	1	1		17.15		0
				1	81		17.28		0
				1	160		17.35		0
				81	0		17.34		0
				81	41		17.34		0
				81	81		17.39		0
			162	0		17.34		0	
			QPSK	1	1		17.17		0
				1	81		17.29		0
				1	160		17.39		0
				81	0		17.35		0
				81	41		17.34		0
				81	81		17.41		0
			162	0		17.35		0	
			16QAM	1	1		16.96		0
			64QAM	1	1		17.18		0
256QAM	1	1		16.72		0			
CP	QPSK	1	1		17.26		0		

NR Band n77_70 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
							3500.01 MHz		
70 MHz	30	DFT-s	pi/2 BPSK	1	1		17.13		0
				1	95		17.03		0
				1	187		17.22		0
				90	0		17.20		0
				90	50		17.13		0
				90	99		17.30		0
			180	0		17.20		0	
			QPSK	1	1		17.07		0
				1	95		17.10		0
				1	187		17.25		0
				90	0		17.22		0
				90	50		17.15		0
				90	99		17.31		0
			180	0		17.20		0	
			16QAM	1	1		16.84		0
			64QAM	1	1		17.08		0
256QAM	1	1		16.47		0			
CP	QPSK	1	1		17.14		0		

NR Band n77_80 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
							3500.01 MHz		
80 MHz	30	DFT-s	pi/2 BPSK	1	1		17.14		0
				1	109		17.09		0
				1	215		17.32		0
				108	0		17.23		0
				108	55		17.23		0
				108	109		17.37		0
			216	0		17.25		0	
			QPSK	1	1		17.12		0
				1	109		17.16		0
				1	215		17.35		0
				108	0		17.27		0
				108	55		17.25		0
				108	109		17.40		0
			216	0		17.30		0	
			16QAM	1	1		16.90		0
			64QAM	1	1		17.11		0
256QAM	1	1		16.67		0			
CP	QPSK	1	1		17.16		0		

NR Band n77_90 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
							3500.01 MHz		
90 MHz	30	DFT-s	pi/2 BPSK	1	1		17.03		0
				1	123		17.07		0
				1	243		17.49		0
				120	0		17.23		0
				120	63		17.20		0
				120	125		17.33		0
				243	0		17.23		0
			QPSK	1	1		17.05		0
				1	123		17.12		0
				1	243		17.50		0
				120	0		17.24		0
				120	63		17.19		0
				120	125		17.36		0
			243	0		17.25		0	
			16QAM	1	1		16.86		0
			64QAM	1	1		17.10		0
256QAM	1	1		16.64		0			
CP	QPSK	1	1		17.14		0		

NR Band n77_100 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
							3500.01 MHz		
100 MHz	30	DFT-s	pi/2 BPSK	1	1		17.06		0
				1	137		17.13		0
				1	271		17.58		0
				135	0		16.64		0
				135	69		16.71		0
				135	138		16.83		0
			270	0		16.73		0	
			QPSK	1	1		16.58		0
				1	137		16.63		0
				1	271		17.06		0
				135	0		16.60		0
				135	69		16.71		0
				135	138		16.83		0
			270	0		16.72		0	
			16QAM	1	1		16.58		0
			64QAM	1	1		16.74		0
256QAM	1	1		16.78		0			
CP	QPSK	1	1		16.62		0		

[NR Band n2 Conducted Power _ DSI=0,1](Body mode) Ant. B

NR Band n2 _ 5 MHz Bandwidth

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	18.81	18.92	18.72	0
				1	13	18.63	19.06	18.67	0
				1	23	18.65	18.85	18.54	0
				12	0	18.82	19.02	18.76	0
				12	7	18.63	18.97	18.59	0
				12	13	18.73	18.89	18.72	0
			QPSK	25	0	18.64	19.01	18.66	0
				1	1	18.68	18.87	18.68	0
				1	13	18.76	18.92	18.69	0
				1	23	18.51	18.82	18.64	0
				12	0	18.74	19.00	18.84	0
				12	7	18.72	19.02	18.64	0
			16QAM	12	13	18.73	18.92	18.65	0
				25	0	18.77	19.01	18.78	0
				1	1	18.59	18.98	18.92	0
				1	1	19.00	19.14	18.92	0
				1	1	17.83	17.97	17.76	0.5
				1	1	18.94	19.12	18.99	0
CP	QPSK	1	1	18.94	19.12	18.99	0		

NR Band n2 _ 10 MHz Bandwidth

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	18.88	18.84	18.63	0
				1	26	18.70	19.03	18.76	0
				1	50	18.63	18.85	18.59	0
				25	0	18.90	18.92	18.72	0
				25	14	18.61	18.87	18.69	0
				25	27	18.83	18.83	18.65	0
			QPSK	50	0	18.74	19.01	18.66	0
				1	1	18.78	18.94	18.67	0
				1	26	18.83	18.96	18.79	0
				1	50	18.43	18.77	18.56	0
				25	0	18.75	18.97	18.94	0
				25	14	18.82	19.03	18.67	0
			16QAM	25	27	18.74	18.95	18.74	0
				50	0	18.78	19.05	18.75	0
				1	1	18.68	18.90	18.86	0
				1	1	18.94	19.22	18.97	0
				1	1	17.89	17.91	17.77	0.5
				1	1	19.04	19.08	18.95	0
CP	QPSK	1	1	19.04	19.08	18.95	0		

NR Band n2 _ 15 MHz Bandwidth

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	18.91	18.99	18.62	0
				1	40	18.59	19.00	18.61	0
				1	77	18.56	18.92	18.53	0
				36	0	18.72	19.04	18.75	0
				36	22	18.58	19.02	18.66	0
				36	43	18.82	18.79	18.76	0
			75	0	18.60	19.03	18.63	0	
			QPSK	1	1	18.78	18.84	18.70	0
				1	40	18.79	18.83	18.63	0
				1	77	18.49	18.83	18.74	0
				36	0	18.82	19.06	18.86	0
				36	22	18.66	19.03	18.58	0
				36	43	18.77	18.95	18.56	0
			75	0	18.73	19.01	18.74	0	
			16QAM	1	1	18.61	18.88	18.97	0
			64QAM	1	1	19.08	19.14	19.02	0
			256QAM	1	1	17.75	17.89	17.79	0.5
			CP	QPSK	1	1	18.93	19.12	19.07

NR Band n2 _ 20 MHz Bandwidth

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	18.79	18.96	18.66	0
				1	53	18.56	19.14	18.62	0
				1	104	18.66	18.94	18.63	0
				50	0	18.81	19.03	18.71	0
				50	28	18.54	19.06	18.61	0
				50	56	18.69	18.99	18.78	0
			100	0	18.61	18.92	18.63	0	
			QPSK	1	1	18.65	18.79	18.62	0
				1	53	18.72	18.88	18.59	0
				1	104	18.56	18.88	18.71	0
				50	0	18.65	19.00	18.83	0
				50	28	18.69	19.12	18.71	0
				50	56	18.71	18.87	18.59	0
			100	0	18.73	18.94	18.88	0	
			16QAM	1	1	18.62	18.99	18.97	0
			64QAM	1	1	19.08	19.19	18.95	0
			256QAM	1	1	17.85	17.91	17.82	0.5
			CP	QPSK	1	1	18.92	19.06	19.00

[NR Band n25 Conducted Power_ DSI=0,1](Body mode) Ant. B

NR Band n25 _ 5 MHz Bandwidth

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	18.81	18.63	18.85	0	
				1	13	18.82	18.57	18.91	0	
				1	23	18.80	18.56	18.90	0	
				12	0	18.78	18.67	18.70	0	
				12	7	18.75	18.52	18.71	0	
				12	13	18.65	18.57	18.82	0	
			25	0	18.69	18.58	18.83	0		
			QPSK	1	1	18.94	18.58	18.72	0	
				1	13	18.83	18.57	18.68	0	
				1	23	18.78	18.47	18.80	0	
				12	0	18.67	18.55	18.80	0	
				12	7	18.63	18.45	18.79	0	
				12	13	18.68	18.57	18.81	0	
			25	0	18.73	18.55	18.80	0		
			16QAM	1	1	18.73	18.72	18.70	0	
			64QAM	1	1	18.97	18.64	19.03	0	
			256QAM	1	1	17.85	17.62	17.85	0.5	
			CP	QPSK	1	1	18.97	18.67	19.02	0

NR Band n25 _ 10 MHz Bandwidth

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	18.76	18.59	18.80	0	
				1	26	18.80	18.47	18.89	0	
				1	50	18.90	18.58	18.89	0	
				25	0	18.70	18.77	18.65	0	
				25	14	18.71	18.45	18.74	0	
				25	27	18.58	18.59	18.77	0	
			50	0	18.60	18.58	18.82	0		
			QPSK	1	1	18.85	18.65	18.78	0	
				1	26	18.81	18.51	18.61	0	
				1	50	18.68	18.48	18.74	0	
				25	0	18.58	18.51	18.82	0	
				25	14	18.55	18.47	18.86	0	
				25	27	18.68	18.62	18.91	0	
			50	0	18.66	18.65	18.79	0		
			16QAM	1	1	18.72	18.79	18.72	0	
			64QAM	1	1	19.06	18.62	19.05	0	
			256QAM	1	1	17.83	17.54	17.79	0.5	
			CP	QPSK	1	1	18.97	18.63	18.94	0

NR Band n25 _ 15 MHz Bandwidth

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	18.77	18.61	18.94	0
				1	40	18.77	18.55	18.93	0
				1	77	18.83	18.48	18.90	0
				36	0	18.76	18.71	18.67	0
				36	22	18.81	18.56	18.71	0
				36	43	18.57	18.59	18.77	0
			QPSK	75	0	18.62	18.48	18.91	0
				1	1	18.91	18.48	18.77	0
				1	40	18.83	18.50	18.68	0
				1	77	18.72	18.40	18.88	0
				36	0	18.69	18.58	18.71	0
				36	22	18.62	18.45	18.83	0
			16QAM	36	43	18.65	18.58	18.78	0
				75	0	18.64	18.64	18.80	0
				1	1	18.67	18.73	18.73	0
			64QAM	1	1	19.03	18.58	19.05	0
				1	1	17.94	17.62	17.90	0.5
CP	QPSK	1	1	18.97	18.76	18.98	0		

NR Band n25 _ 20 MHz Bandwidth

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	18.77	18.58	18.87	0
				1	53	18.84	18.65	18.97	0
				1	104	18.79	18.56	18.88	0
				50	0	18.78	18.66	18.62	0
				50	28	18.67	18.50	18.76	0
				50	56	18.68	18.66	18.73	0
			QPSK	100	0	18.76	18.52	18.91	0
				1	1	18.97	18.67	18.68	0
				1	53	18.88	18.54	18.61	0
				1	104	18.77	18.50	18.82	0
				50	0	18.61	18.54	18.74	0
				50	28	18.59	18.55	18.76	0
			16QAM	50	56	18.59	18.67	18.72	0
				100	0	18.82	18.48	18.75	0
				1	1	18.77	18.70	18.68	0
			64QAM	1	1	19.01	18.67	19.10	0
				1	1	17.81	17.55	17.80	0.5
CP	QPSK	1	1	19.06	18.57	18.93	0		

NR Band n25 _ 25 MHz Bandwidth

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	18.67	0	
				1	66	18.64	0	
				1	131	18.64	0	
				64	0	18.77	0	
				64	35	18.52	0	
				64	69	18.67	0	
			QPSK	128	0	18.52	0	
				1	1	18.60	0	
				1	66	18.52	0	
				1	131	18.42	0	
				64	0	18.59	0	
				64	35	18.41	0	
			16QAM	64	69	18.50	0	
				128	0	18.54	0	
				1	1	18.79	0	
64QAM	1	1	18.59	0				
	1	1	17.56	0.5				
CP	QPSK	1	1	18.61	0			

NR Band n25 _ 30 MHz Bandwidth

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	18.66	0	
				1	80	18.58	0	
				1	158	18.56	0	
				80	0	18.58	0	
				80	40	18.57	0	
				80	80	18.47	0	
			QPSK	160	0	18.59	0	
				1	1	18.53	0	
				1	80	18.59	0	
				1	158	18.39	0	
				80	0	18.57	0	
				80	40	18.36	0	
			16QAM	80	80	18.62	0	
				160	0	18.62	0	
				1	1	18.67	0	
			64QAM	1	1	18.56	0	
				1	1	17.52	0.5	
			CP	QPSK	1	1	18.58	0

NR Band n25 _ 40 MHz Bandwidth

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	18.57	0	
				1	108	18.50	0	
				1	214	18.49	0	
				108	0	18.65	0	
				108	54	18.57	0	
				108	108	18.54	0	
			216	0	18.56	0		
			QPSK	1	1	18.66	0	
				1	108	18.65	0	
				1	214	18.51	0	
				108	0	18.59	0	
				108	54	18.49	0	
				108	108	18.56	0	
			216	0	18.52	0		
			16QAM	1	1	18.76	0	
64QAM	1	1	18.58	0				
256QAM	1	1	17.53	0.5				
CP	QPSK	1	1	18.58	0			

[NR Band n41 Conducted Power_ DSI=0,1(Power Class 3)](Body mode) Ant. B

NR Band n41 _10 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]	
						500202	509400	518598	527802	537000		
						2501.01	2547	2592.99	2639.01	2685		
						MHz	MHz	MHz	MHz	MHz		
10 MHz	30	DFT-s	pi/2 BPSK	1	1	17.08	17.04	16.93	17.09	16.95	0	
				1	12	17.10	16.90	17.08	17.07	17.03	0	
				1	22	17.12	17.11	17.23	17.22	17.11	0	
				12	0	17.04	17.11	16.99	16.97	17.10	0	
				12	6	17.18	16.99	17.10	16.98	17.22	0	
				12	12	17.16	17.11	17.12	17.14	17.21	0	
			24	0	17.05	17.07	16.98	16.97	17.24	0		
			QPSK	1	1	16.98	16.90	17.01	16.99	17.15	0	
				1	12	17.08	17.06	16.98	17.16	17.08	0	
				1	22	17.00	17.04	17.14	17.08	17.09	0	
				12	0	17.04	17.06	17.03	17.02	17.16	0	
				12	6	17.05	17.00	17.22	17.09	17.20	0	
				12	12	17.11	17.07	17.15	17.29	17.14	0	
			24	0	17.10	17.13	17.05	17.20	17.21	0		
			16QAM	1	1	16.98	16.93	17.34	16.87	16.88	0	
			64QAM	1	1	17.03	16.98	17.15	16.95	17.11	0	
			256QAM	1	1	16.46	16.50	16.56	16.48	16.52	0	
			CP	QPSK	1	1	17.05	17.03	16.97	17.13	17.16	0

NR Band n41 _15 Mhz Bandwidth

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	17.14	17.08	16.84	16.99	16.86	0
				1	18	17.03	16.83	17.16	17.15	17.01	0
				1	36	17.05	17.07	17.26	17.14	17.04	0
				18	0	16.98	17.10	17.03	16.99	17.07	0
				18	9	17.28	16.99	17.04	16.91	17.17	0
				18	18	17.13	17.16	17.04	17.15	17.19	0
			QPSK	36	0	17.06	17.07	17.01	17.07	17.28	0
				1	1	16.89	16.99	17.00	17.04	17.13	0
				1	18	17.09	17.09	16.97	17.09	16.98	0
				1	36	17.06	17.01	17.20	17.09	17.16	0
				18	0	17.13	17.00	17.02	17.06	17.25	0
				18	9	17.07	16.94	17.28	17.10	17.25	0
			16QAM	18	18	17.15	17.09	17.11	17.35	17.11	0
				36	0	17.06	17.05	17.00	17.22	17.26	0
				1	1	17.06	16.88	17.43	16.88	16.97	0
			64QAM	1	1	17.08	16.90	17.22	16.98	17.09	0
1	1	16.54		16.40	16.55	16.47	16.55	0			
256QAM	1	1	16.54	16.40	16.55	16.47	16.55	0			
CP	QPSK	1	1	17.15	17.12	17.01	17.12	17.18	0		

NR Band n41 _20 Mhz Bandwidth

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	17.16	16.98	16.84	17.06	16.89	0
				1	26	17.11	16.91	17.01	17.12	17.08	0
				1	49	17.22	17.14	17.20	17.28	17.06	0
				25	0	17.02	17.03	16.92	16.94	17.00	0
				25	13	17.17	16.98	17.00	16.98	17.26	0
				25	26	17.08	17.18	17.18	17.24	17.15	0
			QPSK	50	0	16.95	17.07	16.88	17.06	17.17	0
				1	1	17.05	16.88	17.10	16.98	17.15	0
				1	26	17.10	17.03	16.93	17.21	17.02	0
				1	49	17.09	17.14	17.15	17.05	17.07	0
				25	0	17.02	17.04	17.03	17.05	17.26	0
				25	13	17.08	17.06	17.12	17.13	17.25	0
			16QAM	25	26	17.21	17.00	17.05	17.22	17.09	0
				50	0	17.03	17.04	17.02	17.16	17.30	0
				1	1	16.93	17.02	17.36	16.96	16.95	0
			64QAM	1	1	17.10	17.03	17.17	16.97	17.06	0
1	1	16.39		16.58	16.66	16.53	16.42	0			
256QAM	1	1	16.39	16.58	16.66	16.53	16.42	0			
CP	QPSK	1	1	16.98	17.12	16.96	17.05	17.18	0		

NR Band n41 _30 Mhz Bandwidth

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	17.14	17.03	16.91	17.11	16.88	0	
				1	39	17.12	16.92	17.15	17.02	16.99	0	
				1	76	17.21	17.20	17.24	17.13	17.19	0	
				36	0	17.08	17.17	17.09	17.02	17.02	0	
				36	21	17.09	17.05	17.12	17.02	17.17	0	
				36	42	17.22	17.06	17.13	17.14	17.14	0	
			QPSK	75	0	17.04	17.12	16.96	17.00	17.19	0	
				1	1	16.97	16.84	16.93	16.96	17.22	0	
				1	39	17.00	17.04	17.07	17.08	17.15	0	
				1	76	17.09	16.99	17.13	17.02	17.01	0	
				36	0	17.02	17.06	17.02	17.03	17.25	0	
				36	21	17.14	17.04	17.26	17.00	17.25	0	
				36	42	17.07	17.05	17.25	17.31	17.20	0	
				75	0	17.16	17.21	17.07	17.18	17.21	0	
				16QAM	1	1	16.99	17.01	17.34	16.77	16.93	0
				64QAM	1	1	17.12	17.02	17.14	16.94	17.19	0
				256QAM	1	1	16.54	16.50	16.55	16.46	16.55	0
CP	QPSK	1	1	17.05	17.05	17.05	17.21	17.20	0			

NR Band n41 _40 Mhz Bandwidth

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	17.11	17.12		17.00	16.86	0	
				1	53	17.15	16.91		17.12	16.94	0	
				1	104	17.13	17.08		17.23	17.04	0	
				50	0	17.12	17.06		16.97	17.12	0	
				50	28	17.23	16.97		17.05	17.18	0	
				50	56	17.19	17.11		17.05	17.28	0	
			QPSK	100	0	17.02	17.16		16.94	17.29	0	
				1	1	17.06	16.98		16.91	17.06	0	
				1	53	17.14	16.97		17.07	17.18	0	
				1	104	16.92	17.01		17.09	17.06	0	
				50	0	16.95	16.99		17.06	17.12	0	
				50	28	17.15	16.93		17.02	17.18	0	
				50	56	17.21	17.14		17.34	17.21	0	
				100	0	17.13	17.21		17.12	17.12	0	
				16QAM	1	1	16.98	16.93		16.82	16.98	0
				64QAM	1	1	16.97	16.91		16.96	17.19	0
				256QAM	1	1	16.51	16.58		16.52	16.57	0
CP	QPSK	1	1	17.06	16.99		17.05	17.20	0			

NR Band n41_50 Mhz Bandwidth

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	16.99		16.84	16.91	0
				1	67	17.06		17.08	16.96	0
				1	131	17.21		17.27	17.12	0
				64	0	17.14		16.94	17.10	0
				64	35	17.08		17.07	17.22	0
				64	69	17.23		17.09	17.17	0
			128	0	16.96		17.00	17.21	0	
			QPSK	1	1	17.03		17.04	17.08	0
				1	67	17.12		16.95	17.16	0
				1	131	16.91		17.13	17.08	0
				64	0	16.97		16.96	17.26	0
				64	35	17.04		17.26	17.17	0
				64	69	17.15		17.08	17.11	0
			128	0	17.03		17.06	17.29	0	
			16QAM	1	1	17.04		17.35	16.91	0
			64QAM	1	1	17.10		17.23	17.17	0
256QAM	1	1	16.45		16.63	16.60	0			
CP	QPSK	1	1	17.09		17.03	17.16	0		

NR Band n41_60 Mhz Bandwidth

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	17.01		16.91	16.93	0
				1	81	17.18		17.02	17.10	0
				1	160	17.03		17.32	17.08	0
				81	0	17.05		17.04	17.14	0
				81	41	17.21		17.07	17.31	0
				81	81	17.14		17.17	17.13	0
			162	0	17.14		17.06	17.23	0	
			QPSK	1	1	16.95		17.09	17.20	0
				1	81	17.18		16.91	17.06	0
				1	160	17.10		17.07	17.14	0
				81	0	17.11		17.08	17.15	0
				81	41	17.01		17.15	17.29	0
				81	81	17.14		17.10	17.06	0
			162	0	17.01		16.96	17.23	0	
			16QAM	1	1	17.03		17.26	16.78	0
			64QAM	1	1	16.99		17.20	17.04	0
256QAM	1	1	16.42		16.58	16.59	0			
CP	QPSK	1	1	17.05		17.06	17.14	0		

NR Band n41_70 Mhz Bandwidth

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	17.07				16.88	0
				1	81	17.14				17.01	0
				1	160	17.05				17.02	0
				81	0	16.96				17.04	0
				81	41	17.08				17.13	0
				81	81	17.17				17.29	0
				162	0	17.07				17.26	0
			QPSK	1	1	17.03				17.05	0
				1	81	17.03				17.07	0
				1	160	16.90				17.02	0
				81	0	17.03				17.23	0
				81	41	17.08				17.11	0
				81	81	17.17				17.09	0
				162	0	17.01				17.11	0
			16QAM	1	1	16.88				16.82	0
			64QAM	1	1	17.08				17.04	0
			256QAM	1	1	16.50				16.48	0
CP	QPSK	1	1	17.01				17.24	0		

NR Band n41_80 Mhz Bandwidth

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	17.07				17.04	0
				1	109	17.00				16.95	0
				1	215	17.05				17.05	0
				108	0	17.00				17.20	0
				108	55	17.24				17.22	0
				108	109	17.06				17.18	0
				216	0	17.14				17.28	0
			QPSK	1	1	16.93				17.09	0
				1	109	17.08				17.06	0
				1	215	17.00				17.11	0
				108	0	17.11				17.09	0
				108	55	17.01				17.17	0
				108	109	17.20				17.11	0
				216	0	17.07				17.19	0
			16QAM	1	1	16.89				16.93	0
			64QAM	1	1	17.08				17.11	0
			256QAM	1	1	16.36				16.57	0
CP	QPSK	1	1	17.13				17.07	0		

NR Band n41_90 Mhz Bandwidth

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	17.14				16.86	0
				1	123	17.16				16.93	0
				1	243	17.15				17.06	0
				120	0	17.14				17.16	0
				120	63	17.08				17.24	0
				120	125	17.09				17.25	0
			243	0	16.97				17.19	0	
			QPSK	1	1	17.01				17.18	0
				1	123	17.14				17.04	0
				1	243	17.05				17.04	0
				120	0	17.03				17.14	0
				120	63	17.13				17.21	0
				120	125	17.01				17.09	0
			243	0	17.15				17.19	0	
			16QAM	1	1	17.03				16.88	0
			64QAM	1	1	17.06				17.05	0
			256QAM	1	1	16.36				16.46	0
CP	QPSK	1	1	17.13				17.12	0		

NR Band n41_100 Mhz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)				MPR [dB]
								518598		
								2592.99 Mhz		
100 Mhz	30	DFT-s	pi/2 BPSK	1	1			16.87		0
				1	137			17.02		0
				1	271			17.24		0
				135	0			17.04		0
				135	69			17.17		0
				135	138			17.19		0
			270	0			17.00		0	
			QPSK	1	1			17.11		0
				1	137			16.95		0
				1	271			17.08		0
				135	0			17.09		0
				135	69			17.28		0
				135	138			17.20		0
			270	0			17.05		0	
			16QAM	1	1			17.39		0
			64QAM	1	1			17.11		0
			256QAM	1	1			16.53		0
CP	QPSK	1	1			16.89		0		

[NR Band n66 Conducted Power _ DSI=0,1](Body mode) Ant. B

NR Band n66 _5 Mhz Bandwidth

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	19.16	19.19	19.05	0
				1	13	19.18	19.24	19.05	0
				1	23	19.13	19.20	19.07	0
				12	0	19.13	19.21	19.08	0
				12	7	19.17	19.18	19.11	0
				12	13	19.15	19.23	19.10	0
			QPSK	25	0	19.12	19.21	19.04	0
				1	1	19.13	19.21	19.04	0
				1	13	19.15	19.18	19.05	0
				1	23	19.13	19.15	19.06	0
				12	0	19.20	19.16	19.05	0
				12	7	19.21	19.21	19.05	0
			16QAM	12	13	19.17	19.21	19.03	0
				25	0	19.20	19.21	19.09	0
				1	1	19.20	19.21	19.13	0
				1	1	19.37	19.36	19.18	0
				1	1	18.64	18.65	18.51	0
				1	1	19.23	19.36	19.06	0
CP	QPSK	1	1	19.23	19.36	19.06	0		

NR Band n66 _ 10 Mhz Bandwidth

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	19.24	19.20	19.10	0
				1	26	19.28	19.19	19.08	0
				1	50	19.20	19.20	19.05	0
				25	0	19.31	19.20	19.10	0
				25	14	19.31	19.18	19.09	0
				25	27	19.25	19.17	19.11	0
			QPSK	50	0	19.24	19.19	19.09	0
				1	1	19.29	19.21	19.10	0
				1	26	19.28	19.23	19.11	0
				1	50	19.22	19.16	19.05	0
				25	0	19.22	19.21	19.06	0
				25	14	19.24	19.23	19.13	0
			16QAM	25	27	19.22	19.21	19.13	0
				50	0	19.27	19.14	19.05	0
				1	1	19.33	19.26	19.19	0
				1	1	19.36	19.32	19.15	0
				1	1	18.78	18.67	18.55	0
				1	1	19.50	19.45	19.21	0
CP	QPSK	1	1	19.50	19.45	19.21	0		

NR Band n66 _ 15 MHz Bandwidth

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	19.28	19.30	19.13	0
				1	40	19.33	19.19	19.12	0
				1	77	19.37	19.27	19.14	0
				36	0	19.29	19.33	19.21	0
				36	22	19.34	19.30	19.17	0
				36	43	19.37	19.31	19.21	0
			75	0	19.37	19.30	19.16	0	
			QPSK	1	1	19.32	19.28	19.17	0
				1	40	19.31	19.23	19.14	0
				1	77	19.42	19.31	19.20	0
				36	0	19.32	19.31	19.18	0
				36	22	19.40	19.25	19.17	0
				36	43	19.37	19.25	19.21	0
			75	0	19.42	19.27	19.16	0	
			16QAM	1	1	19.32	19.33	19.20	0
			64QAM	1	1	19.49	19.46	19.24	0
			256QAM	1	1	18.86	18.77	18.65	0
			CP	QPSK	1	1	19.43	19.49	19.32

NR Band n66 _ 20 MHz Bandwidth

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	19.26	19.27	19.22	0
				1	53	19.25	19.16	19.12	0
				1	104	19.28	19.27	19.19	0
				50	0	19.21	19.33	19.20	0
				50	28	19.33	19.25	19.20	0
				50	56	19.34	19.26	19.21	0
			100	0	19.32	19.30	19.23	0	
			QPSK	1	1	19.27	19.30	19.19	0
				1	53	19.26	19.21	19.18	0
				1	104	19.37	19.30	19.23	0
				50	0	19.27	19.26	19.23	0
				50	28	19.33	19.27	19.24	0
				50	56	19.34	19.31	19.22	0
			100	0	19.38	19.29	19.25	0	
			16QAM	1	1	19.32	19.36	19.20	0
			64QAM	1	1	19.39	19.43	19.36	0
			256QAM	1	1	18.77	18.77	18.71	0
			CP	QPSK	1	1	19.54	19.68	19.50

NR Band n66 _ 25 Mhz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]		MPR [dB]
							349000 1745 MHz	
25 Mhz	15	DFT-s	pi/2 BPSK	1	1		19.27	0
				1	66		19.27	0
				1	131		19.16	0
				64	0		19.24	0
				64	35		19.22	0
				64	69		19.31	0
			128	0		19.31	0	
			QPSK	1	1		19.30	0
				1	66		19.37	0
				1	131		19.21	0
				64	0		19.28	0
				64	35		19.20	0
				64	69		19.24	0
			128	0		19.26	0	
			16QAM	1	1		19.25	0
64QAM	1	1		19.42	0			
256QAM	1	1		18.82	0			
CP	QPSK	1	1		19.44	0		

NR Band n66 _ 30 Mhz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]		MPR [dB]
							349000 1745 MHz	
30 Mhz	15	DFT-s	pi/2 BPSK	1	1		19.29	0
				1	80		19.36	0
				1	158		19.22	0
				80	0		19.29	0
				80	40		19.30	0
				80	80		19.35	0
			160	0		19.32	0	
			QPSK	1	1		19.38	0
				1	80		19.40	0
				1	158		19.26	0
				80	0		19.31	0
				80	40		19.29	0
				80	80		19.33	0
			160	0		19.34	0	
			16QAM	1	1		19.33	0
			64QAM	1	1		19.51	0
			256QAM	1	1		18.86	0
			CP	QPSK	1	1		19.44

NR Band n66 _ 40 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
							349000		
							1745 MHz		
40 MHz	15	DFT-s	pi/2 BPSK	1	1		19.33		0
				1	108		19.35		0
				1	214		19.22		0
				108	0		19.34		0
				108	54		19.32		0
				108	108		19.32		0
			216	0		19.33		0	
			QPSK	1	1		19.37		0
				1	108		19.38		0
				1	214		19.28		0
				108	0		19.33		0
				108	54		19.37		0
				108	108		19.34		0
			216	0		19.33		0	
			16QAM	1	1		19.39		0
64QAM	1	1		19.55		0			
256QAM	1	1		18.85		0			
CP	QPSK	1	1		19.37		0		

[NR Band n2 Conducted Power _ DSI=0,1](Body mode) Ant. F

NR Band n2 _ 5 MHz Bandwidth

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	20.35	20.37	20.03	0
				1	13	20.31	20.30	19.99	0
				1	23	20.25	20.25	19.85	0
				12	0	20.33	20.36	20.09	0
				12	7	20.26	20.34	20.01	0
				12	13	20.23	20.28	19.90	0
				25	0	20.25	20.28	20.08	0
			QPSK	1	1	20.37	20.38	20.04	0
				1	13	20.26	20.33	20.03	0
				1	23	20.24	20.26	19.88	0
				12	0	20.40	20.43	20.08	0
				12	7	20.39	20.31	20.01	0
				12	13	20.27	20.28	19.89	0
			25	0	20.34	20.33	20.01	0	
			16QAM	1	1	20.37	20.40	20.07	0
			64QAM	1	1	20.54	20.51	20.21	0
			256QAM	1	1	18.44	18.46	18.12	1.5
			CP	QPSK	1	1	20.47	20.46	20.17

NR Band n2 _ 10 MHz Bandwidth

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	20.45	20.32	20.11	0
				1	26	20.40	20.32	20.10	0
				1	50	20.33	20.15	19.95	0
				25	0	20.44	20.33	20.14	0
				25	14	20.40	20.29	20.07	0
				25	27	20.37	20.33	20.08	0
			50	0	20.37	20.28	20.11	0	
			QPSK	1	1	20.45	20.34	20.14	0
				1	26	20.42	20.32	20.09	0
				1	50	20.32	20.16	20.00	0
				25	0	20.47	20.42	20.11	0
				25	14	20.43	20.34	20.13	0
				25	27	20.37	20.31	20.05	0
			50	0	20.37	20.36	20.12	0	
			16QAM	1	1	20.47	20.39	20.14	0
			64QAM	1	1	20.68	20.51	20.24	0
			256QAM	1	1	18.54	18.46	18.21	1.5
			CP	QPSK	1	1	20.61	20.50	20.26

NR Band n2 _ 15 MHz Bandwidth

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	20.63	20.43	20.13	0	
				1	40	20.49	20.42	20.03	0	
				1	77	20.50	20.38	19.90	0	
				36	0	20.59	20.43	20.14	0	
				36	22	20.53	20.39	20.06	0	
				36	43	20.57	20.44	20.06	0	
				75	0	20.53	20.48	20.13	0	
			QPSK	1	1	20.62	20.48	20.19	0	
				1	40	20.57	20.44	20.07	0	
				1	77	20.60	20.41	19.91	0	
				36	0	20.61	20.43	20.15	0	
				36	22	20.60	20.44	20.09	0	
				36	43	20.56	20.42	20.06	0	
				75	0	20.64	20.49	20.06	0	
			16QAM	1	1	20.68	20.46	20.20	0	
			64QAM	1	1	20.86	20.59	20.35	0	
			256QAM	1	1	18.69	18.60	18.27	1.5	
			CP	QPSK	1	1	20.82	20.64	20.30	0

NR Band n2_ 20 MHz Bandwidth

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	20.53	20.43	20.25	0
				1	53	20.49	20.44	20.19	0
				1	104	20.45	20.31	19.91	0
				50	0	20.53	20.45	20.20	0
				50	28	20.50	20.39	20.19	0
				50	56	20.49	20.45	20.10	0
			100	0	20.52	20.47	20.23	0	
			QPSK	1	1	20.56	20.49	20.30	0
				1	53	20.51	20.43	20.20	0
				1	104	20.48	20.30	20.02	0
				50	0	20.56	20.49	20.22	0
				50	28	20.53	20.45	20.21	0
				50	56	20.54	20.41	20.07	0
			100	0	20.55	20.47	20.20	0	
			16QAM	1	1	20.58	20.47	20.27	0
			64QAM	1	1	20.75	20.60	20.46	0
			256QAM	1	1	18.66	18.47	18.34	1.5
			CP	QPSK	1	1	20.68	20.57	20.37

[NR Band n25 Conducted Power_ DSI=0,1](Body mode) Ant. F

NR Band n25_ 5 MHz Bandwidth

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	20.40	20.63	20.53	0
				1	13	20.34	20.57	20.54	0
				1	23	20.39	20.63	20.54	0
				12	0	20.41	20.66	20.56	0
				12	7	20.35	20.59	20.57	0
				12	13	20.32	20.68	20.61	0
			25	0	20.32	20.62	20.64	0	
			QPSK	1	1	20.41	20.60	20.53	0
				1	13	20.30	20.56	20.60	0
				1	23	20.37	20.61	20.60	0
				12	0	20.38	20.65	20.66	0
				12	7	20.34	20.58	20.61	0
				12	13	20.33	20.67	20.71	0
			25	0	20.29	20.62	20.63	0	
			16QAM	1	1	20.31	20.56	20.68	0
			64QAM	1	1	20.50	20.73	20.71	0
			256QAM	1	1	18.47	18.73	18.75	1
			CP	QPSK	1	1	20.49	20.72	20.67

NR Band n25 _ 10 MHz Bandwidth

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	20.24	20.37	20.55	0
				1	26	20.19	20.49	20.63	0
				1	50	20.28	20.51	20.58	0
				25	0	20.25	20.55	20.68	0
				25	14	20.37	20.52	20.66	0
				25	27	20.42	20.55	20.67	0
			QPSK	50	0	20.36	20.52	20.75	0
				1	1	20.28	20.40	20.55	0
				1	26	20.26	20.46	20.66	0
				1	50	20.26	20.55	20.67	0
				25	0	20.26	20.51	20.69	0
				25	14	20.40	20.55	20.66	0
			16QAM	25	27	20.38	20.59	20.71	0
				50	0	20.38	20.55	20.65	0
				1	1	20.28	20.39	20.60	0
				1	1	20.41	20.58	20.67	0
256QAM	1	1	18.36	18.50	18.69	1			
	CP	QPSK	1	1	20.32	20.46	20.65	0	

NR Band n25 _ 15 MHz Bandwidth

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	20.44	20.59	20.68	0
				1	40	20.35	20.50	20.67	0
				1	77	20.53	20.58	20.62	0
				36	0	20.43	20.58	20.79	0
				36	22	20.48	20.62	20.87	0
				36	43	20.63	20.67	20.87	0
			QPSK	75	0	20.51	20.65	20.87	0
				1	1	20.47	20.66	20.76	0
				1	40	20.36	20.56	20.71	0
				1	77	20.55	20.67	20.66	0
				36	0	20.48	20.59	20.80	0
				36	22	20.48	20.68	20.81	0
			16QAM	36	43	20.62	20.66	20.83	0
				75	0	20.49	20.63	20.88	0
				1	1	20.47	20.62	20.75	0
				1	1	20.70	20.74	20.84	0
256QAM	1	1	18.65	18.85	18.90	1			
	CP	QPSK	1	1	20.69	20.71	20.85	0	

NR Band n25 _ 20 MHz Bandwidth

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	20.28	20.52	20.72	0
				1	53	20.37	20.53	20.76	0
				1	104	20.37	20.53	20.71	0
				50	0	20.34	20.54	20.76	0
				50	28	20.54	20.59	20.94	0
				50	56	20.47	20.57	20.94	0
			QPSK	100	0	20.59	20.56	20.84	0
				1	1	20.41	20.56	20.74	0
				1	53	20.46	20.54	20.87	0
				1	104	20.48	20.54	20.76	0
				50	0	20.42	20.57	20.84	0
				50	28	20.51	20.59	20.88	0
			16QAM	50	56	20.55	20.61	20.88	0
				100	0	20.58	20.65	20.91	0
				1	1	20.39	20.55	20.87	0
				1	1	20.62	20.65	20.35	0
256QAM	1	1	18.45	18.59	18.83	1			
	CP	QPSK	1	1	20.42	20.58	20.86	0	

NR Band n25 _ 25 MHz Bandwidth

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		20.54		0
				1	66		20.51		0
				1	131		20.42		0
				64	0		20.54		0
				64	35		20.57		0
				64	69		20.48		0
			QPSK	128	0		20.57		0
				1	1		20.37		0
				1	66		20.40		0
				1	131		20.57		0
				64	0		20.54		0
				64	35		20.64		0
			16QAM	64	69		20.62		0
				128	0		20.62		0
				1	1		20.50		0
				1	1		20.69		0
256QAM	1	1		18.62		1			
	CP	QPSK	1	1		20.47		0	

NR Band n25 _ 30 MHz Bandwidth

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		20.62		0
				1	80		20.54		0
				1	158		20.50		0
				80	0		20.61		0
				80	40		20.61		0
				80	80		20.52		0
			QPSK	160	0		20.60		0
				1	1		20.47		0
				1	80		20.47		0
				1	158		20.60		0
				80	0		20.63		0
				80	40		20.65		0
			16QAM	80	80		20.67		0
				160	0		20.65		0
				1	1		20.56		0
64QAM	1	1		20.72		0			
	1	1		18.65		1			
CP	QPSK	1	1		20.49		0		

NR Band n25 _ 40 MHz Bandwidth

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		20.42		0
				1	108		20.90		0
				1	214		20.58		0
				108	0		20.91		0
				108	54		20.87		0
				108	108		20.85		0
			QPSK	216	0		20.91		0
				1	1		20.78		0
				1	108		20.97		0
				1	214		20.56		0
				108	0		20.92		0
				108	54		20.83		0
			16QAM	108	108		20.71		0
				216	0		20.97		0
				1	1		20.82		0
64QAM	1	1		20.65		0			
	1	1		19.45		0.5			
CP	QPSK	1	1		20.81		0		

[NR Band n41 Conducted Power_ DSI=0,1(Power Class 3)](Body mode) Ant. F

NR Band n41 _10 Mhz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]
						500202	509400	518598	527802	537000	
						2501.01	2547	2592.99	2639.01	2685	
						MHz	MHz	MHz	MHz	MHz	
10 Mhz	30	DFT-s	pi/2 BPSK	1	1	19.05	19.01	19.13	18.90	18.66	0
				1	12	19.03	19.00	19.08	18.88	18.67	0
				1	22	19.07	19.01	19.08	18.88	18.68	0
				12	0	19.12	19.08	19.19	18.96	18.71	0
				12	6	19.13	19.07	19.17	18.97	18.67	0
				12	12	19.13	19.08	19.17	18.95	18.70	0
			QPSK	24	0	19.15	19.08	19.19	18.99	18.69	0
				1	1	19.11	19.05	19.19	18.99	18.68	0
				1	12	19.09	19.07	19.15	18.94	18.64	0
				1	22	19.13	19.05	19.16	18.96	18.70	0
				12	0	19.11	19.11	19.24	19.01	18.67	0
				12	6	19.16	19.12	19.23	19.02	18.71	0
			16QAM	12	12	19.16	19.12	19.21	19.03	18.72	0
				24	0	19.14	19.12	19.22	19.01	18.73	0
				1	1	18.89	18.86	18.99	18.78	18.44	0
64QAM	1	1	19.10	19.06	19.23	18.96	18.65	0			
256QAM	1	1	18.56	18.53	18.71	18.41	18.17	0			
CP	QPSK	1	1	19.05	19.06	19.24	19.00	18.63	0		

NR Band n41 _15 Mhz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]
						500700	509664	518598	527562	536496	
						2503.5	2548.32	2592.99	2637.81	2682.48	
						MHz	MHz	MHz	MHz	MHz	
15 Mhz	30	DFT-s	pi/2 BPSK	1	1	19.04	19.08	19.06	18.86	18.72	0
				1	18	18.94	19.10	19.00	18.86	18.62	0
				1	36	19.08	19.00	19.00	18.78	18.75	0
				18	0	19.09	19.12	19.23	18.98	18.73	0
				18	9	19.20	19.10	19.16	18.96	18.59	0
				18	18	19.16	19.01	19.12	18.87	18.78	0
			QPSK	36	0	19.20	19.03	19.27	18.90	18.73	0
				1	1	19.09	19.01	19.15	19.08	18.61	0
				1	18	19.12	19.16	19.16	18.97	18.68	0
				1	36	19.10	19.12	19.21	18.96	18.74	0
				18	0	19.19	19.01	19.18	18.91	18.57	0
				18	9	19.25	19.15	19.30	19.00	18.65	0
			16QAM	18	18	19.23	19.21	19.18	19.13	18.69	0
				36	0	19.24	19.21	19.28	19.06	18.69	0
				1	1	18.97	18.87	19.05	18.70	18.35	0
64QAM	1	1	19.06	19.02	19.25	18.99	18.73	0			
256QAM	1	1	18.57	18.60	18.71	18.46	18.18	0			
CP	QPSK	1	1	19.05	19.01	19.34	19.06	18.62	0		

NR Band n41 _20 Mhz Bandwidth

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	19.14	18.98	19.03	18.99	18.74	0
				1	26	18.99	18.90	19.01	18.87	18.62	0
				1	49	19.02	19.08	19.06	18.94	18.61	0
				25	0	19.06	19.15	19.28	18.96	18.64	0
				25	13	19.12	19.04	19.10	18.97	18.67	0
				25	26	19.17	19.17	19.15	18.89	18.71	0
			QPSK	1	1	19.08	19.10	19.24	18.90	18.65	0
				1	26	19.07	19.15	19.08	18.92	18.68	0
				1	49	19.20	19.09	19.12	18.95	18.78	0
				25	0	19.12	19.04	19.21	19.04	18.66	0
				25	13	19.12	19.21	19.19	19.02	18.74	0
				25	26	19.07	19.20	19.20	19.06	18.77	0
			16QAM	1	1	18.88	18.86	19.09	18.83	18.44	0
				1	1	19.10	19.12	19.25	19.01	18.58	0
				1	1	18.52	18.47	18.74	18.38	18.22	0
			CP	QPSK	1	1	18.97	19.00	19.28	19.07	18.54

NR Band n41 _30 Mhz Bandwidth

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	19.15	18.92	19.15	18.85	18.56	0
				1	39	19.12	19.02	19.03	18.87	18.67	0
				1	76	19.10	19.09	19.15	18.88	18.70	0
				36	0	19.13	19.05	19.14	18.92	18.73	0
				36	21	19.09	19.06	19.12	18.90	18.76	0
				36	42	19.23	19.11	19.10	18.88	18.76	0
			QPSK	75	0	19.14	19.02	19.16	19.02	18.59	0
				1	1	19.04	19.00	19.21	19.07	18.60	0
				1	39	19.18	19.00	19.19	19.00	18.68	0
				1	76	19.18	19.10	19.26	18.94	18.73	0
				36	0	19.03	19.18	19.26	19.06	18.77	0
				36	21	19.07	19.20	19.33	19.12	18.75	0
			16QAM	36	42	19.06	19.16	19.17	19.10	18.64	0
				75	0	19.10	19.17	19.22	18.96	18.81	0
				1	1	18.94	18.93	19.09	18.81	18.40	0
			64QAM	1	1	19.15	19.12	19.19	19.01	18.62	0
1	1	18.52		18.43	18.78	18.50	18.08	0			
CP	QPSK	1	1	19.13	19.00	19.22	18.91	18.68	0		

NR Band n41 _40 Mhz Bandwidth

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	18.98	19.09		18.81	18.58	0
				1	53	18.99	18.98		18.81	18.65	0
				1	104	19.04	18.98		18.98	18.60	0
				50	0	19.05	19.13		18.88	18.74	0
				50	28	19.04	19.00		19.01	18.60	0
				50	56	19.18	19.14		18.85	18.62	0
			100	0	19.23	19.13		19.07	18.79	0	
			QPSK	1	1	19.10	18.97		19.03	18.60	0
				1	53	19.10	19.14		19.04	18.63	0
				1	104	19.12	19.03		18.94	18.79	0
				50	0	19.02	19.17		19.05	18.74	0
				50	28	19.22	19.10		19.00	18.70	0
				50	56	19.16	19.21		19.05	18.70	0
			100	0	19.20	19.10		19.02	18.83	0	
			16QAM	1	1	18.94	18.92		18.74	18.42	0
			64QAM	1	1	19.03	19.08		18.88	18.63	0
			256QAM	1	1	18.47	18.51		18.38	18.26	0
			CP	QPSK	1	1	19.01	18.98		19.01	18.54

NR Band n41 _50 Mhz Bandwidth

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	19.08		19.06		18.58	0
				1	67	19.02		19.06		18.68	0
				1	131	19.02		19.03		18.71	0
				64	0	19.21		19.24		18.68	0
				64	35	19.23		19.23		18.66	0
				64	69	19.19		19.25		18.69	0
			128	0	19.08		19.25		18.78	0	
			QPSK	1	1	19.07		19.28		18.74	0
				1	67	19.18		19.12		18.65	0
				1	131	19.05		19.18		18.67	0
				64	0	19.13		19.27		18.71	0
				64	35	19.07		19.26		18.68	0
				64	69	19.21		19.15		18.63	0
			128	0	19.15		19.27		18.70	0	
			16QAM	1	1	18.85		18.99		18.49	0
			64QAM	1	1	19.13		19.29		18.55	0
			256QAM	1	1	18.60		18.77		18.27	0
			CP	QPSK	1	1	19.01		19.18		18.54

NR Band n41 _60 Mhz Bandwidth

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	19.06		19.08		18.66	0
				1	81	19.08		19.04		18.68	0
				1	160	19.13		18.98		18.76	0
				81	0	19.10		19.09		18.71	0
				81	41	19.16		19.26		18.74	0
				81	81	19.13		19.20		18.65	0
			162	0	19.10		19.12		18.65	0	
			QPSK	1	1	19.10		19.21		18.69	0
				1	81	19.01		19.06		18.58	0
				1	160	19.23		19.11		18.72	0
				81	0	19.12		19.20		18.65	0
				81	41	19.26		19.13		18.80	0
				81	81	19.18		19.31		18.71	0
			162	0	19.04		19.15		18.67	0	
			16QAM	1	1	18.97		19.08		18.48	0
			64QAM	1	1	19.15		19.19		18.59	0
			256QAM	1	1	18.64		18.63		18.20	0
			CP	QPSK	1	1	19.01		19.15		18.57

NR Band n41 _70 Mhz Bandwidth

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	19.09				18.60	0
				1	81	19.02				18.75	0
				1	160	18.98				18.69	0
				81	0	19.18				18.78	0
				81	41	19.12				18.57	0
				81	81	19.14				18.75	0
			162	0	19.09				18.73	0	
			QPSK	1	1	19.15				18.58	0
				1	81	19.13				18.61	0
				1	160	19.07				18.72	0
				81	0	19.08				18.66	0
				81	41	19.11				18.78	0
				81	81	19.12				18.73	0
			162	0	19.14				18.79	0	
			16QAM	1	1	18.92				18.51	0
			64QAM	1	1	19.10				18.68	0
			256QAM	1	1	18.51				18.20	0
			CP	QPSK	1	1	19.02				18.65

NR Band n41_80 Mhz Bandwidth

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	19.01				18.67	0
				1	109	18.95				18.68	0
				1	215	19.04				18.69	0
				108	0	19.05				18.69	0
				108	55	19.14				18.76	0
				108	109	19.07				18.70	0
			216	0	19.21				18.76	0	
			QPSK	1	1	19.17				18.72	0
				1	109	18.99				18.70	0
				1	215	19.14				18.70	0
				108	0	19.12				18.77	0
				108	55	19.24				18.76	0
				108	109	19.22				18.65	0
			216	0	19.13				18.77	0	
			16QAM	1	1	18.91				18.37	0
			64QAM	1	1	19.10				18.58	0
			256QAM	1	1	18.65				18.22	0
			CP	QPSK	1	1	19.05				18.56

NR Band n41_90 Mhz Bandwidth

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	19.01				18.66	0
				1	123	19.10				18.75	0
				1	243	18.99				18.72	0
				120	0	19.09				18.76	0
				120	63	19.16				18.73	0
				120	125	19.17				18.68	0
			243	0	19.22				18.73	0	
			QPSK	1	1	19.14				18.76	0
				1	123	19.09				18.55	0
				1	243	19.11				18.79	0
				120	0	19.19				18.73	0
				120	63	19.22				18.73	0
				120	125	19.21				18.79	0
			243	0	19.20				18.81	0	
			16QAM	1	1	18.94				18.45	0
			64QAM	1	1	19.07				18.74	0
			256QAM	1	1	18.54				18.21	0
			CP	QPSK	1	1	19.08				18.58

NR Band n41 _100 MHz Bandwidth

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		0
				1	137		19.06		0
				1	271		19.01		0
				135	0		19.01		0
				135	69		19.18		0
				135	138		19.16		0
			270	0		19.25		0	
			270	0		19.16		0	
			QPSK	1	1		19.20		0
				1	137		19.18		0
				1	271		19.18		0
				135	0		19.23		0
				135	69		19.11		0
				135	138		19.14		0
			270	0		19.12		0	
			270	0		19.12		0	
			16QAM	1	1		19.01		0
			64QAM	1	1		19.26		0
256QAM	1	1		18.79		0			
CP	QPSK	1	1		19.28		0		

[NR Band n66 Conducted Power _ DSI=0,1](Body mode) Ant. F

NR Band n66 _5 MHz Bandwidth

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	20.00	20.02	19.14	0	
				1	13	20.07	19.91	19.32	0	
				1	23	20.11	19.98	19.17	0	
				12	0	20.04	19.96	19.30	0	
				12	7	19.99	19.92	19.28	0	
				12	13	20.04	19.89	19.17	0	
			25	0	20.08	19.88	19.18	0		
			QPSK	1	1	19.97	20.09	19.33	0	
				1	13	20.09	19.95	19.18	0	
				1	23	20.02	19.92	19.27	0	
				12	0	20.14	19.98	19.32	0	
				12	7	20.05	19.95	19.22	0	
				12	13	20.02	20.12	19.23	0	
			25	0	20.01	20.01	19.31	0		
			16QAM	1	1	20.06	20.18	19.34	0	
			64QAM	1	1	20.18	20.09	19.36	0	
			256QAM	1	1	18.04	18.09	17.29	1.5	
			CP	QPSK	1	1	20.06	20.14	19.41	0

NR Band n66 _ 10 MHz Bandwidth

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	19.94	20.07	19.13	0
				1	26	20.08	19.88	19.28	0
				1	50	20.02	19.99	19.19	0
				25	0	20.05	19.90	19.25	0
				25	14	20.05	19.85	19.19	0
				25	27	19.97	19.93	19.21	0
			50	0	20.05	19.95	19.09	0	
			QPSK	1	1	20.04	20.05	19.43	0
				1	26	19.99	19.88	19.25	0
				1	50	20.05	19.85	19.17	0
				25	0	20.24	20.02	19.33	0
				25	14	20.14	19.90	19.17	0
				25	27	19.98	20.04	19.28	0
			50	0	20.03	20.02	19.37	0	
			16QAM	1	1	20.13	20.19	19.29	0
			64QAM	1	1	20.08	20.06	19.27	0
			256QAM	1	1	17.98	18.08	17.36	1.5
			CP	QPSK	1	1	19.96	20.23	19.50

NR Band n66 _ 15 MHz Bandwidth

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	20.02	20.02	19.04	0
				1	40	20.07	19.83	19.32	0
				1	77	20.07	19.91	19.27	0
				36	0	20.06	19.99	19.37	0
				36	22	20.05	20.01	19.24	0
				36	43	19.96	19.84	19.09	0
			75	0	20.09	19.82	19.13	0	
			QPSK	1	1	20.03	20.11	19.25	0
				1	40	20.15	19.89	19.26	0
				1	77	20.08	19.87	19.35	0
				36	0	20.04	19.89	19.28	0
				36	22	19.99	19.98	19.25	0
				36	43	20.00	20.22	19.22	0
			75	0	19.98	20.10	19.25	0	
			16QAM	1	1	20.16	20.19	19.43	0
			64QAM	1	1	20.20	20.08	19.36	0
			256QAM	1	1	18.00	18.02	17.38	1.5
			CP	QPSK	1	1	19.99	20.14	19.44

NR Band n66 _ 20 Mhz Bandwidth

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	20.02	19.96	19.23	0
				1	53	20.07	19.86	19.25	0
				1	104	20.09	20.05	19.22	0
				50	0	20.00	19.98	19.24	0
				50	28	20.03	19.83	19.18	0
				50	56	20.03	19.99	19.10	0
			100	0	20.14	19.82	19.12	0	
			QPSK	1	1	19.88	20.08	19.32	0
				1	53	20.06	19.89	19.12	0
				1	104	19.94	19.90	19.21	0
				50	0	20.08	20.01	19.26	0
				50	28	20.03	19.95	19.14	0
				50	56	19.93	20.04	19.29	0
			100	0	19.93	19.97	19.22	0	
			16QAM	1	1	20.00	20.22	19.36	0
			64QAM	1	1	20.20	20.03	19.27	0
			256QAM	1	1	17.96	18.18	17.24	1.5
			CP	QPSK	1	1	19.97	20.17	19.41

NR Band n66 _ 25 Mhz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
							349000		
							1745 MHz		
25 Mhz	15	DFT-s OFDM	pi/2 BPSK	1	1		19.93		0
				1	66		19.84		0
				1	131		20.06		0
				64	0		19.96		0
				64	35		19.91		0
				64	69		19.80		0
			128	0		19.98		0	
			QPSK	1	1		20.01		0
				1	66		20.03		0
				1	131		19.87		0
				64	0		20.07		0
				64	35		20.04		0
				64	69		20.07		0
			128	0		19.96		0	
			16QAM	1	1		20.21		0
			64QAM	1	1		20.04		0
			256QAM	1	1		18.04		1.5
			CP	QPSK	1	1		20.21	

NR Band n66 _ 30 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]		MPR [dB]
							349000 1745 MHz	
30 MHz	15	DFT-s	pi/2 BPSK	1	1		20.05	0
				1	80		19.82	0
				1	158		20.02	0
				80	0		19.94	0
				80	40		20.00	0
				80	80		19.96	0
			160	0		19.93	0	
			QPSK	1	1		20.18	0
				1	80		19.94	0
				1	158		19.96	0
				80	0		19.89	0
				80	40		19.91	0
				80	80		20.10	0
			160	0		20.11	0	
			16QAM	1	1		20.20	0
			64QAM	1	1		20.05	0
256QAM	1	1		18.15	1.5			
CP	QPSK	1	1		20.06	0		

NR Band n66 _ 40 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]		MPR [dB]
							349000 1745 MHz	
40 MHz	15	DFT-s	pi/2 BPSK	1	1		19.99	0
				1	108		19.86	0
				1	214		19.98	0
				108	0		20.05	0
				108	54		19.99	0
				108	108		19.80	0
			216	0		19.85	0	
			QPSK	1	1		20.16	0
				1	108		19.89	0
				1	214		19.97	0
				108	0		20.13	0
				108	54		20.00	0
				108	108		20.03	0
			216	0		20.01	0	
			16QAM	1	1		20.14	0
			64QAM	1	1		20.19	0
256QAM	1	1		18.04	1.5			
CP	QPSK	1	1		20.11	0		

[NR Band n77 Conducted Power_DSI=0,1] – Power Class 3(Body mode) Ant.F

NR Band n77_ 10 MHz Bandwidth

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	17.43	17.58	17.80	17.47	17.75	17.65	0
				1	12	17.46	17.60	17.80	17.47	17.76	17.50	0
				1	22	17.58	17.65	17.70	17.44	17.61	17.74	0
				12	0	17.50	17.65	17.63	17.49	17.77	17.68	0
				12	6	17.51	17.57	17.82	17.46	17.81	17.80	0
				12	12	17.54	17.61	17.63	17.51	17.83	17.75	0
			24	0	17.52	17.59	17.71	17.53	17.70	17.70	0	
			QPSK	1	1	17.42	17.58	17.88	17.51	17.67	17.63	0
				1	12	17.53	17.61	17.69	17.39	17.77	17.58	0
				1	22	17.49	17.54	17.55	17.37	17.65	17.78	0
				12	0	17.55	17.78	17.74	17.44	17.64	17.73	0
				12	6	17.62	17.75	17.78	17.45	17.68	17.71	0
				12	12	17.54	17.55	17.74	17.53	17.65	17.79	0
			24	0	17.62	17.74	17.86	17.43	17.68	17.79	0	
			16QAM	1	1	17.32	17.52	17.63	17.10	17.62	17.48	0
			64QAM	1	1	17.43	17.65	17.80	17.53	17.57	17.74	0
			256QAM	1	1	17.21	16.97	17.26	16.93	17.35	17.10	0
			CP	QPSK	1	1	17.59	17.77	17.82	17.59	17.77	17.64

NR Band n77_ 15 MHz Bandwidth

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	pi/2 BPSK	1	1	17.46	17.65	17.75	17.55	17.80	17.60	0
				1	18	17.45	17.66	17.84	17.47	17.86	17.56	0
				1	36	17.50	17.65	17.70	17.48	17.60	17.68	0
				18	0	17.54	17.67	17.59	17.42	17.73	17.66	0
				18	9	17.57	17.53	17.83	17.41	17.90	17.74	0
				18	18	17.61	17.52	17.64	17.49	17.75	17.70	0
			36	0	17.48	17.53	17.65	17.48	17.63	17.62	0	
			QPSK	1	1	17.45	17.56	17.97	17.43	17.75	17.59	0
				1	18	17.62	17.70	17.62	17.37	17.75	17.52	0
				1	36	17.43	17.57	17.52	17.39	17.56	17.74	0
				18	0	17.64	17.85	17.70	17.46	17.64	17.80	0
				18	9	17.56	17.79	17.78	17.40	17.63	17.67	0
				18	18	17.61	17.62	17.75	17.45	17.67	17.86	0
			36	0	17.62	17.71	17.84	17.41	17.68	17.84	0	
			16QAM	1	1	17.34	17.45	17.70	17.07	17.55	17.46	0
			64QAM	1	1	17.49	17.66	17.86	17.55	17.59	17.75	0
			256QAM	1	1	17.11	17.01	17.36	16.96	17.45	17.12	0
			CP	QPSK	1	1	17.53	17.86	17.85	17.56	17.81	17.60

NR Band n77_ 20 MHz Bandwidth

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	17.39	17.57	17.75	17.44	17.76	17.67	0
				1	26	17.53	17.57	17.74	17.37	17.82	17.40	0
				1	49	17.59	17.70	17.78	17.51	17.53	17.75	0
				25	0	17.40	17.69	17.54	17.58	17.80	17.63	0
				25	13	17.43	17.53	17.79	17.39	17.85	17.81	0
				25	26	17.54	17.55	17.55	17.49	17.89	17.70	0
			50	0	17.44	17.61	17.68	17.47	17.65	17.71	0	
			QPSK	1	1	17.50	17.67	17.90	17.43	17.64	17.69	0
				1	26	17.59	17.55	17.60	17.30	17.70	17.63	0
				1	49	17.44	17.49	17.55	17.33	17.56	17.68	0
				25	0	17.54	17.77	17.75	17.48	17.57	17.63	0
				25	13	17.62	17.68	17.82	17.35	17.75	17.81	0
				25	26	17.56	17.48	17.76	17.53	17.61	17.88	0
			50	0	17.55	17.66	17.95	17.44	17.77	17.81	0	
			16QAM	1	1	17.29	17.44	17.70	17.04	17.65	17.53	0
			64QAM	1	1	17.40	17.57	17.71	17.48	17.52	17.66	0
			256QAM	1	1	17.23	16.94	17.18	17.02	17.37	17.16	0
			CP	QPSK	1	1	17.51	17.76	17.74	17.50	17.76	17.54

NR Band n77_ 30 MHz Bandwidth

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	pi/2 BPSK	1	1	17.50	17.50	17.82	17.51	17.76	17.57	0
				1	39	17.48	17.50	17.90	17.50	17.83	17.49	0
				1	76	17.50	17.56	17.69	17.38	17.70	17.77	0
				36	0	17.57	17.62	17.63	17.52	17.75	17.78	0
				36	21	17.44	17.54	17.72	17.51	17.85	17.84	0
				36	42	17.46	17.56	17.70	17.58	17.89	17.65	0
			75	0	17.54	17.54	17.80	17.43	17.80	17.80	0	
			QPSK	1	1	17.33	17.66	17.89	17.60	17.58	17.66	0
				1	39	17.58	17.68	17.65	17.32	17.86	17.60	0
				1	76	17.49	17.47	17.58	17.45	17.58	17.80	0
				36	0	17.55	17.87	17.83	17.37	17.54	17.74	0
				36	21	17.55	17.78	17.70	17.40	17.73	17.76	0
				36	42	17.62	17.52	17.71	17.61	17.74	17.80	0
			75	0	17.61	17.64	17.94	17.35	17.62	17.89	0	
			16QAM	1	1	17.29	17.59	17.66	17.05	17.72	17.39	0
			64QAM	1	1	17.52	17.64	17.77	17.53	17.51	17.78	0
			256QAM	1	1	17.11	16.96	17.16	16.94	17.45	17.09	0
			CP	QPSK	1	1	17.63	17.81	17.75	17.58	17.83	17.67

NR Band n77_40 MHz Bandwidth

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	17.41	17.52	17.78	17.42	17.81	17.74	0	
				1	53	17.36	17.57	17.83	17.44	17.66	17.44	0	
				1	104	17.61	17.66	17.78	17.49	17.55	17.74	0	
				50	0	17.48	17.62	17.70	17.54	17.83	17.73	0	
				50	28	17.42	17.51	17.81	17.52	17.83	17.73	0	
				50	56	17.59	17.56	17.71	17.55	17.93	17.66	0	
			100	0	17.42	17.49	17.72	17.48	17.66	17.69	0		
			QPSK	1	1	17.47	17.65	17.87	17.44	17.77	17.66	0	
				1	53	17.57	17.70	17.60	17.41	17.83	17.55	0	
				1	104	17.44	17.61	17.50	17.44	17.67	17.69	0	
				50	0	17.60	17.79	17.78	17.38	17.54	17.63	0	
				50	28	17.59	17.81	17.74	17.42	17.77	17.69	0	
				50	56	17.56	17.55	17.77	17.51	17.75	17.85	0	
			100	0	17.52	17.79	17.86	17.42	17.71	17.79	0		
			16QAM	1	1	17.42	17.43	17.53	17.11	17.67	17.47	0	
			64QAM	1	1	17.47	17.62	17.74	17.53	17.57	17.69	0	
			256QAM	1	1	17.11	16.97	17.33	16.95	17.39	17.05	0	
			CP	QPSK	1	1	17.65	17.87	17.91	17.69	17.85	17.58	0

NR Band n77_50 MHz Bandwidth

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	17.46	17.62	17.74		17.70	17.59	0	
				1	67	17.51	17.69	17.84		17.69	17.55	0	
				1	131	17.52	17.63	17.77		17.64	17.83	0	
				64	0	17.40	17.72	17.67		17.78	17.69	0	
				64	35	17.52	17.47	17.84		17.78	17.87	0	
				64	69	17.56	17.63	17.65		17.73	17.67	0	
			128	0	17.61	17.62	17.74		17.60	17.74	0		
			QPSK	1	1	17.40	17.59	17.94		17.68	17.60	0	
				1	67	17.55	17.56	17.78		17.81	17.53	0	
				1	131	17.42	17.58	17.54		17.72	17.68	0	
				64	0	17.50	17.81	17.71		17.63	17.83	0	
				64	35	17.57	17.79	17.69		17.59	17.61	0	
				64	69	17.60	17.52	17.84		17.63	17.89	0	
			128	0	17.64	17.83	17.87		17.67	17.73	0		
			16QAM	1	1	17.36	17.51	17.57		17.71	17.42	0	
			64QAM	1	1	17.53	17.65	17.88		17.51	17.74	0	
			256QAM	1	1	17.21	16.89	17.25		17.38	17.03	0	
			CP	QPSK	1	1	17.56	17.78	17.78		17.73	17.59	0

NR Band n77_60 Mhz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]	
						648668	653556			658444		663332
						3730.02	3803.34			3876.66		3949.98
						Mhz	Mhz			Mhz	Mhz	
60 Mhz	30	DFT-s OFDM	pi/2 BPSK	1	1	17.37	17.67			17.75	17.63	0
				1	81	17.39	17.63			17.69	17.53	0
				1	160	17.66	17.59			17.62	17.80	0
				81	0	17.55	17.58			17.74	17.75	0
				81	41	17.53	17.63			17.76	17.75	0
				81	81	17.53	17.59			17.74	17.75	0
			162	0	17.48	17.68			17.72	17.65	0	
			QPSK	1	1	17.42	17.68			17.76	17.73	0
				1	81	17.60	17.69			17.67	17.52	0
				1	160	17.45	17.46			17.61	17.77	0
				81	0	17.57	17.86			17.71	17.71	0
				81	41	17.59	17.85			17.68	17.61	0
				81	81	17.49	17.62			17.68	17.72	0
			162	0	17.53	17.73			17.63	17.84	0	
			16QAM	1	1	17.40	17.59			17.70	17.38	0
			64QAM	1	1	17.47	17.66			17.54	17.77	0
			256QAM	1	1	17.27	16.95			17.32	17.13	0
			CP	QPSK	1	1	17.55	17.85			17.84	17.68

NR Band n77_70 Mhz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]	
						649000	654336			658334		663000
						3750	3804.99			3875.01		3945
						Mhz	Mhz			Mhz	Mhz	
70 Mhz	30	DFT-s OFDM	pi/2 BPSK	1	1	17.34	17.51			17.83	17.68	0
				1	95	17.55	17.52			17.70	17.55	0
				1	187	17.61	17.59			17.68	17.65	0
				90	0	17.47	17.74			17.76	17.75	0
				90	50	17.60	17.57			17.71	17.70	0
				90	99	17.44	17.67			17.90	17.82	0
			180	0	17.49	17.50			17.75	17.80	0	
			QPSK	1	1	17.37	17.49			17.68	17.73	0
				1	95	17.53	17.61			17.78	17.58	0
				1	187	17.52	17.54			17.60	17.76	0
				90	0	17.64	17.70			17.56	17.81	0
				90	50	17.72	17.81			17.77	17.62	0
				90	99	17.44	17.62			17.59	17.72	0
			180	0	17.60	17.68			17.66	17.87	0	
			16QAM	1	1	17.31	17.46			17.65	17.48	0
			64QAM	1	1	17.40	17.71			17.55	17.70	0
			256QAM	1	1	17.20	17.03			17.43	17.01	0
			CP	QPSK	1	1	17.55	17.87			17.87	17.65

NR Band n77_ 80 MHz Bandwidth

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	17.45		17.73		17.85		0
				1	109	17.42		17.78		17.68		0
				1	215	17.54		17.67		17.51		0
				108	0	17.43		17.72		17.81		0
				108	55	17.46		17.74		17.85		0
				108	109	17.44		17.73		17.84		0
			216	0	17.44		17.61		17.79		0	
			QPSK	1	1	17.39		17.87		17.65		0
				1	109	17.57		17.68		17.71		0
				1	215	17.50		17.56		17.56		0
				108	0	17.58		17.79		17.61		0
				108	55	17.69		17.80		17.61		0
				108	109	17.45		17.80		17.64		0
			216	0	17.59		17.94		17.62		0	
			16QAM	1	1	17.39		17.54		17.65		0
			64QAM	1	1	17.46		17.71		17.53		0
			256QAM	1	1	17.17		17.22		17.40		0
			CP	QPSK	1	1	17.56		17.89		17.68	

NR Band n77_ 90 MHz Bandwidth

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 OFDM	pi/2 BPSK	1	1	17.39		17.86		17.84		0
				1	123	17.37		17.80		17.72		0
				1	243	17.53		17.75		17.58		0
				120	0	17.46		17.60		17.76		0
				120	63	17.47		17.74		17.88		0
				120	125	17.51		17.58		17.78		0
			243	0	17.45		17.72		17.60		0	
			QPSK	1	1	17.45		17.94		17.61		0
				1	123	17.58		17.75		17.83		0
				1	243	17.43		17.47		17.63		0
				120	0	17.58		17.74		17.74		0
				120	63	17.56		17.69		17.75		0
				120	125	17.47		17.78		17.58		0
			243	0	17.62		17.94		17.64		0	
			16QAM	1	1	17.30		17.58		17.58		0
			64QAM	1	1	17.38		17.90		17.64		0
			256QAM	1	1	17.28		17.29		17.41		0
			CP	QPSK	1	1	17.64		17.83		17.81	

NR Band n77_ 100 MHz Bandwidth

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	17.45			17.73	0
				1	137	17.51			17.73	0
				1	271	17.49			17.69	0
				135	0	17.50			17.78	0
				135	69	17.49			17.74	0
				135	138	17.55			17.75	0
			QPSK	270	0	17.55			17.73	0
				1	1	17.87			17.77	0
				1	137	17.42			17.77	0
				1	271	17.54			17.85	0
				135	0	17.79			17.57	0
				135	69	17.58			17.69	0
				135	138	17.45			17.71	0
				270	0	17.74			17.67	0
			16QAM	1	1	17.30			17.60	0
			64QAM	1	1	17.49			17.55	0
			256QAM	1	1	17.28			17.41	0
CP	QPSK	1	1	17.72			17.70	0		

[NR Band n77 DOD Conducted Power_ DSI=0,1] – Power Class 3(Body mode) Ant.F

NR Band n77_ 10 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						630334	633334	636332	
						3445.01 MHz	3500.01 MHz	3544.98 MHz	
10 MHz	30	DFT-s	pi/2 BPSK	1	1	17.50	17.55	17.39	0
				1	12	17.47	17.56	17.51	0
				1	22	17.47	17.60	17.56	0
				12	0	17.56	17.65	17.52	0
				12	6	17.55	17.66	17.59	0
				12	12	17.61	17.69	17.61	0
				24	0	17.60	17.66	17.63	0
			QPSK	1	1	17.49	17.60	17.45	0
				1	12	17.47	17.58	17.54	0
				1	22	17.50	17.61	17.57	0
				12	0	17.54	17.67	17.54	0
				12	6	17.55	17.70	17.63	0
				12	12	17.59	17.70	17.64	0
				24	0	17.60	17.71	17.65	0
			16QAM	1	1	17.29	17.36	17.30	0
			64QAM	1	1	17.53	17.65	17.49	0
			256QAM	1	1	16.90	16.97	17.00	0
CP	QPSK	1	1	17.52	17.64	17.44	0		

NR Band n77_15 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						630500	633334	636166	
						3457.5 MHz	3500.01 MHz	3542.49 MHz	
15 MHz	30	DFT-s	pi/2 BPSK	1	1	17.49	17.70	17.42	0
				1	18	17.62	17.67	17.44	0
				1	36	17.69	17.77	17.68	0
				18	0	17.55	17.73	17.49	0
				18	9	17.68	17.74	17.51	0
				18	18	17.71	17.78	17.56	0
			36	0	17.67	17.74	17.52	0	
			QPSK	1	1	17.53	17.73	17.46	0
				1	18	17.64	17.75	17.51	0
				1	36	17.67	17.83	17.67	0
				18	0	17.57	17.75	17.51	0
				18	9	17.65	17.75	17.54	0
				18	18	17.67	17.76	17.57	0
			36	0	17.68	17.77	17.55	0	
			16QAM	1	1	17.35	17.59	17.22	0
			64QAM	1	1	17.57	17.76	17.49	0
			256QAM	1	1	17.09	17.22	17.01	0
			CP	QPSK	1	1	17.58	17.72	17.53

NR Band n77_20 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						630668	633334	636000	
						3460.02 MHz	3500.01 MHz	3540 MHz	
20 MHz	30	DFT-s	pi/2 BPSK	1	1	17.65	17.85	17.53	0
				1	26	17.60	17.76	17.47	0
				1	49	17.61	17.79	17.54	0
				25	0	17.71	17.77	17.47	0
				25	13	17.70	17.77	17.59	0
				25	26	17.75	17.80	17.57	0
			50	0	17.72	17.79	17.52	0	
			QPSK	1	1	17.65	17.78	17.51	0
				1	26	17.63	17.69	17.44	0
				1	49	17.66	17.73	17.51	0
				25	0	17.73	17.77	17.48	0
				25	13	17.72	17.75	17.50	0
				25	26	17.74	17.79	17.56	0
			50	0	17.71	17.77	17.50	0	
			16QAM	1	1	17.47	17.78	17.27	0
			64QAM	1	1	17.72	17.96	17.55	0
			256QAM	1	1	17.07	17.18	17.02	0
			CP	QPSK	1	1	17.74	17.83	17.62

NR Band n77_30 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						631000	633334	635666	
						3465 MHz	3500.01 MHz	3534.99 MHz	
30 MHz	30	DFT-s	pi/2 BPSK	1	1	17.65	17.76	17.58	0
				1	39	17.59	17.75	17.54	0
				1	76	17.66	17.81	17.62	0
				36	0	17.67	17.87	17.64	0
				36	21	17.70	17.83	17.62	0
				36	42	17.71	17.91	17.70	0
				75	0	17.75	17.86	17.68	0
			QPSK	1	1	17.65	17.77	17.64	0
				1	39	17.63	17.77	17.58	0
				1	76	17.70	17.88	17.67	0
				36	0	17.65	17.89	17.69	0
				36	21	17.70	17.84	17.65	0
				36	42	17.77	17.91	17.72	0
				75	0	17.77	17.89	17.70	0
			16QAM	1	1	17.52	17.56	17.40	0
			64QAM	1	1	17.67	17.80	17.67	0
			256QAM	1	1	17.27	17.33	17.05	0
CP	QPSK	1	1	17.79	17.84	17.71	0		

NR Band n77_40 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)		MPR [dB]	
						631334	635332		
						3470.01 MHz	3529.98 MHz		
40 MHz	30	DFT-s	pi/2 BPSK	1	1	17.79		17.42	0
				1	53	17.68		17.42	0
				1	104	17.94		17.69	0
				50	0	17.87		17.44	0
				50	28	17.81		17.56	0
				50	56	17.86		17.63	0
				100	0	17.84		17.60	0
			QPSK	1	1	17.81		17.45	0
				1	53	17.74		17.46	0
				1	104	17.96		17.71	0
				50	0	17.87		17.45	0
				50	28	17.83		17.54	0
				50	56	17.84		17.63	0
				100	0	17.85		17.58	0
			16QAM	1	1	17.65		17.21	0
			64QAM	1	1	17.84		17.50	0
			256QAM	1	1	17.45		17.04	0
CP	QPSK	1	1	17.93		17.54	0		

NR Band n77_50 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						631668		635000	
						3475.02 MHz		3525 MHz	
50 MHz	30	DFT-s	pi/2 BPSK	1	1	17.49		17.02	0
				1	67	17.33		17.03	0
				1	131	17.48		17.30	0
				64	0	17.51		17.22	0
				64	35	17.45		17.22	0
				64	69	17.52		17.23	0
			128	0	17.46		17.21	0	
			QPSK	1	1	17.53		17.06	0
				1	67	17.36		17.09	0
				1	131	17.51		17.35	0
				64	0	17.51		17.21	0
				64	35	17.45		17.21	0
				64	69	17.57		17.22	0
			128	0	17.47		17.21	0	
			16QAM	1	1	17.34		16.81	0
			64QAM	1	1	17.53		17.07	0
			256QAM	1	1	16.94		16.67	0
			CP	QPSK	1	1	17.61		17.16

NR Band n77_60 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
							3500.01 MHz		
60 MHz	30	DFT-s	pi/2 BPSK	1	1	17.48		0	
				1	81	17.61		0	
				1	160	17.68		0	
				81	0	17.67		0	
				81	41	17.67		0	
				81	81	17.72		0	
			162	0	17.67		0		
			QPSK	1	1	17.50		0	
				1	81	17.62		0	
				1	160	17.72		0	
				81	0	17.68		0	
				81	41	17.67		0	
				81	81	17.74		0	
			162	0	17.68		0		
			16QAM	1	1	17.29		0	
			64QAM	1	1	17.51		0	
			256QAM	1	1	17.05		0	
			CP	QPSK	1	1	17.59		0

NR Band n77_70 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
							3500.01 MHz		
70 MHz	30	DFT-s	pi/2 BPSK	1	1		17.54		0
				1	95		17.44		0
				1	187		17.63		0
				90	0		17.61		0
				90	50		17.54		0
				90	99		17.71		0
			180	0		17.61		0	
			QPSK	1	1		17.48		0
				1	95		17.51		0
				1	187		17.66		0
				90	0		17.63		0
				90	50		17.56		0
				90	99		17.72		0
			180	0		17.61		0	
			16QAM	1	1		17.25		0
			64QAM	1	1		17.49		0
256QAM	1	1		16.88		0			
CP	QPSK	1	1		17.55		0		

NR Band n77_80 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
							3500.01 MHz		
80 MHz	30	DFT-s	pi/2 BPSK	1	1		17.50		0
				1	109		17.45		0
				1	215		17.68		0
				108	0		17.59		0
				108	55		17.59		0
				108	109		17.73		0
			216	0		17.61		0	
			QPSK	1	1		17.48		0
				1	109		17.52		0
				1	215		17.71		0
				108	0		17.63		0
				108	55		17.61		0
				108	109		17.76		0
			216	0		17.66		0	
			16QAM	1	1		17.26		0
			64QAM	1	1		17.47		0
256QAM	1	1		17.03		0			
CP	QPSK	1	1		17.52		0		

NR Band n77_90 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
							3500.01 MHz		
90 MHz	30	DFT-s	pi/2 BPSK	1	1		17.44		0
				1	123		17.48		0
				1	243		17.90		0
				120	0		17.64		0
				120	63		17.61		0
				120	125		17.74		0
				243	0		17.64		0
			QPSK	1	1		17.46		0
				1	123		17.53		0
				1	243		17.91		0
				120	0		17.65		0
				120	63		17.60		0
				120	125		17.77		0
			243	0		17.66		0	
			16QAM	1	1		17.27		0
			64QAM	1	1		17.51		0
256QAM	1	1		17.05		0			
CP	QPSK	1	1		17.55		0		

NR Band n77_100 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
							3500.01 MHz		
100 MHz	30	DFT-s	pi/2 BPSK	1	1		17.47		0
				1	137		17.54		0
				1	271		17.99		0
				135	0		17.05		0
				135	69		17.12		0
				135	138		17.24		0
				270	0		17.14		0
			QPSK	1	1		16.99		0
				1	137		17.04		0
				1	271		17.47		0
				135	0		17.01		0
				135	69		17.12		0
				135	138		17.24		0
			270	0		17.13		0	
			16QAM	1	1		16.99		0
			64QAM	1	1		17.15		0
256QAM	1	1		17.04		0			
CP	QPSK	1	1		17.03		0		

[NR Band n41 SRS Conducted Power_ DSI = 0,1,2,3]

NR Band n41_ 100 MHz Bandwidth – Ant. C : SRS 3

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
			650000	518598	662000	
100MHz	30	CW	3750 MHz	2592.99 MHz	3930 MHz	0
			15.62	11.83	14.75	

NR Band n41_ 100 MHz Bandwidth – Ant. H : SRS 4

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
			650000	518598	662000	
100MHz	30	CW	3750 MHz	2592.99 MHz	3930 MHz	0
			15.62	12.13	14.75	

[NR Band n77 Conducted Power_ DSI = 0,1,2,3]

NR Band n77_ 100 MHz Bandwidth – Ant. D : SRS 2

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
			650000	518598	662000	
100MHz	30	CW	3750 MHz	2592.99 MHz	3930 MHz	0
			15.62	11.83	14.75	

NR Band n77_ 100 MHz Bandwidth - Ant. G : SRS 3

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
			650000	518598	662000	
100MHz	30	CW	3750 MHz	2592.99 MHz	3930 MHz	0
			15.92	11.83	14.63	

NR Band n77_ 100 MHz Bandwidth - Ant. A : SRS 4

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
			650000	518598	662000	
100MHz	30	CW	3750 MHz	2592.99 MHz	3930 MHz	0
			15.78	11.83	14.53	

[NR Band n77 DOD Conducted Power _ DSI = 0,1,2,3]

NR Band n77 DoD_ 100 MHz Bandwidth – Ant. D : SRS 2

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
				633334		
				3500.01 MHz		
100MHz	30	CW		14.49		0

NR Band n77 DoD_ 100 MHz Bandwidth – Ant. G : SRS 3

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
				633334		
				3500.01 MHz		
100MHz	30	CW		14.69		0

NR Band n77 DoD_ 100 MHz Bandwidth – Ant. A : SRS 4

Bandwidth	SCS(kHz)	Modulation	Max. Average Power (dBm)			MPR [dB]
				633334		
				3500.01 MHz		
100MHz	30	CW		15.01		0

11.5 WIFI Conducted Power measurement method

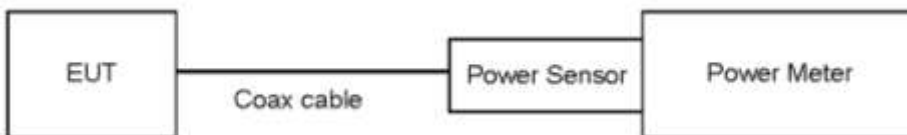
Un-Licensed Bands (DTS Band)

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.

Test setup



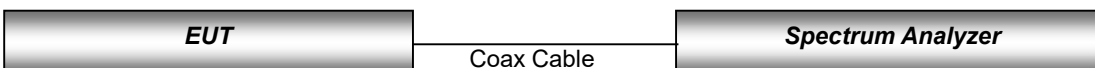
Un-Licensed Bands(NII Band)

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



11.5.1 IEEE 802.11 (2.4 GHz) Conducted Power Pmax, DSI=0,1

Mode	Frequency [MHz]	Channel	IEEE 802.11 (2.4 GHz) Average RF Conducted Power [dBm]		
			WIFI 1	WIFI 2	MIMO
802.11b	2 412	1	18.35	17.51	20.96
	2 437	6	18.18	17.95	21.08
	2 462	11	18.61	17.58	21.14
	2 467	12	5.61	4.58	8.14
	2 472	13	-0.58	-0.97	2.24
802.11g	2 412	1	16.37	16.68	20.24
	2 437	6	16.74	17.05	20.34
	2 462	11	16.35	16.66	20.33
	2 467	12	4.27	4.58	8.11
	2 472	13	-1.47	-1.17	2.06
802.11n (HT20)	2 412	1	16.15	16.51	20.10
	2 437	6	16.59	16.95	20.23
	2 462	11	16.17	16.53	20.26
	2 467	12	4.12	4.48	8.08
	2 472	13	-1.43	-1.07	2.14
802.11ax (HE20)	2 412	1	15.46	14.52	18.02
	2 437	6	17.47	16.97	20.24
	2 462	11	17.75	14.54	19.44
	2 467	12	5.60	4.41	8.06
	2 472	13	-0.64	-1.01	2.19

11.5.2 IEEE 802.11 (2.4 GHz) Conducted Power DSI=2,3

Mode	Frequency [MHz]	Channel	IEEE 802.11 (2.4 GHz) Average RF Conducted Power [dBm]		
			WIFI 1	WIFI 2	MIMO
802.11b	2 412	1	16.75	16.25	19.52
	2 437	6	16.96	16.48	19.74
	2 462	11	16.89	16.31	19.62
	2 467	12	5.61	4.58	8.14
	2 472	13	-0.58	-0.97	2.24
802.11g	2 412	1	16.81	15.68	19.29
	2 437	6	17.09	15.98	19.58
	2 462	11	16.94	15.96	19.48
	2 467	12	5.58	4.58	8.11
	2 472	13	-0.75	-1.17	2.06
802.11n (HT20)	2 412	1	15.87	15.12	18.52
	2 437	6	16.17	15.55	18.88
	2 462	11	16.09	15.32	18.73
	2 467	12	5.59	4.48	8.08
	2 472	13	-0.67	-1.07	2.14
802.11ax (HE20)	2 412	1	15.72	15.12	18.44
	2 437	6	16.13	14.99	18.61
	2 462	11	16.11	15.35	18.76
	2 467	12	5.60	4.41	8.06
	2 472	13	-0.64	-1.01	2.19

11.5.3 IEEE 802.11 (5 GHz) Conducted Power Pmax, DSI=2,3

Mode	Frequency [MHz]	Channel	IEEE 802.11 (5 GHz) Average RF Conducted Power [dBm]		
			WIFI 1	WIFI 2	MIMO
802.11n40 (40 MHz BW)	5190	38	15.30	15.89	18.62
	5230	46	16.72	16.40	19.57
	5270	54	16.88	16.85	19.87
	5310	62	15.29	15.13	18.22
	5510	102	16.00	15.61	18.82
	5590	118	16.85	16.93	19.90
	5710	142	17.22	16.76	20.01
	5755	151	16.90	16.93	19.93
	5795	159	16.67	17.21	19.96
	5835	167	16.71	17.21	19.96
802.11ac40 (40 MHz BW)	5875	175	16.56	16.68	19.70
	5190	38	15.42	15.98	18.72
	5230	46	16.61	16.50	19.57
	5270	54	16.80	16.64	19.73
	5310	62	15.27	15.14	18.21
	5510	102	16.03	15.59	18.83
	5590	118	16.80	16.92	19.87
	5710	142	17.16	16.83	20.01
	5755	151	16.85	16.92	19.90
	5795	159	16.67	17.21	19.96
802.11ac (80 MHz BW)	5835	167	16.74	17.21	19.96
	5875	175	16.55	16.71	19.74
	5 210	42	15.56	14.81	18.22
	5 290	58	15.64	14.88	18.29
	5 530	106	16.65	15.84	19.28
	5 610	122	17.24	16.75	20.02
	5 690	138	17.98	16.88	20.48
5 775	155	17.65	17.42	20.55	
5 855	171	17.70	16.83	20.30	

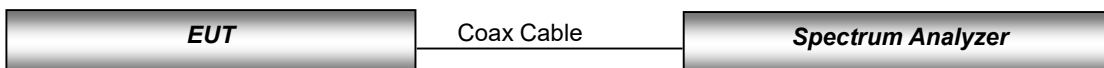
11.5.4 IEEE 802.11 (5 GHz) Conducted Power DSI=0,1

Mode	Frequency [MHz]	Channel	IEEE 802.11 (5 GHz) Average RF Conducted Power [dBm]		
			WIFI 1	WIFI 2	MIMO
802.11n40 (40 MHz BW)	5190	38	14.28	14.70	17.51
	5230	46	15.65	15.24	18.46
	5270	54	15.93	15.98	18.96
	5310	62	15.29	15.13	18.22
	5510	102	14.96	14.40	17.70
	5590	118	15.81	15.80	18.82
	5710	142	16.19	15.56	18.90
	5755	151	15.81	15.75	18.79
	5795	159	15.61	16.04	18.84
	5835	167	15.61	16.06	18.85
802.11ac40 (40 MHz BW)	5190	38	14.33	14.76	17.56
	5230	46	15.56	15.32	18.45
	5270	54	15.95	15.74	18.85
	5310	62	15.27	15.14	18.21
	5510	102	14.99	14.47	17.74
	5590	118	15.77	15.70	18.75
	5710	142	16.07	15.68	18.89
	5755	151	15.77	15.71	18.75
	5795	159	15.63	16.00	18.83
	5835	167	15.62	16.06	18.86
802.11ac (80 MHz BW)	5 210	42	15.56	14.81	18.22
	5 290	58	15.64	14.88	18.29
	5 530	106	16.65	15.84	19.28
	5 610	122	16.17	15.95	19.08
	5 690	138	16.99	15.86	19.48
	5 775	155	16.76	16.35	19.57
	5 855	171	16.82	15.97	19.43

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



11.6 Bluetooth Maximum Conducted Power

The Burst Averaged-Conducted Power

Mode	Channel	Max. Average Conducted Power [dBm]	
		Ant.1	Ant.2
DH5	0	16.11	14.97
	39	17.44	15.29
	78	15.62	14.36
2-DH5	0	12.86	11.78
	39	14.25	12.07
	78	12.51	11.15
3-DH5	0	12.85	11.80
	39	14.24	12.08
	78	12.52	11.17

BT LE Burst Averaged-Conducted Power

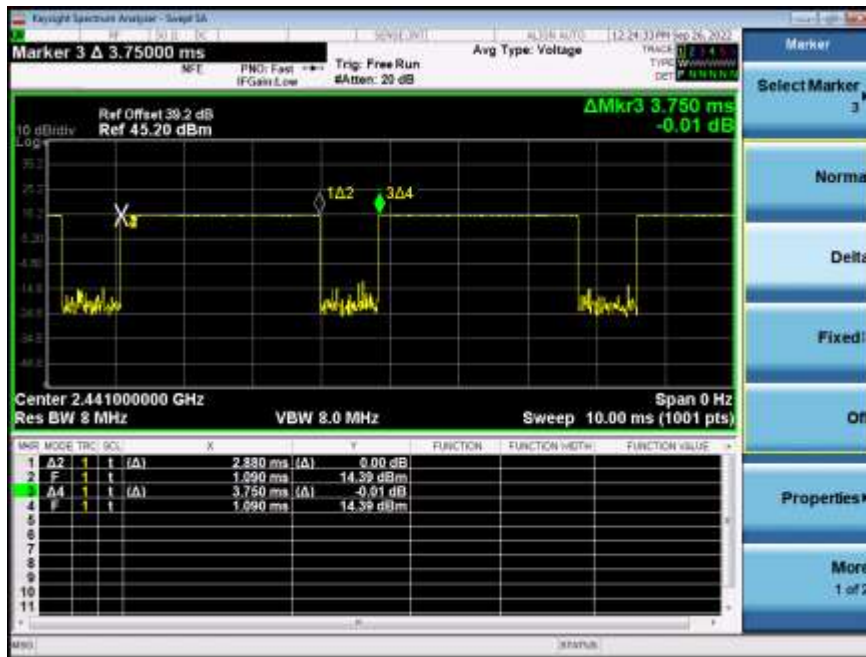
Mode	Channel	Max. Average Conducted Power [dBm]	
		Ant.1	Ant.2
		Measured Power[dBm]	Measured Power[dBm]
LE 1M 37 Pakcet	0	16.11	15.04
	19	17.32	15.34
	39	15.69	14.30
LE 1M 255 Pakcet	0	15.91	14.81
	19	17.00	14.94
	39	15.41	13.94
LE 2M 37 Pakcet	0	16.13	15.12
	19	17.38	15.30
	39	15.77	14.38
LE 2M 255 Pakcet	0	15.85	14.83
	19	16.97	14.99
	39	15.32	14.01
LE 125K 37 Pakcet	0	6.90	5.61
	19	8.36	5.63
	39	7.04	4.72
LE 125K 255 Pakcet	0	6.93	5.54
	19	8.30	5.59
	39	7.02	4.71
LE 500K 37 Pakcet	0	6.82	5.53
	19	8.52	5.70
	39	7.16	4.66
LE 500K 255 Pakcet	0	6.87	5.59
	19	8.39	5.63
	39	7.06	4.82

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.

Bluetooth DH 5



Duty Cycle

$$= (\text{BT-On time} / \text{BT-Full time}) = (2.874 / 3.750) = 0.766 \text{ (DH5)}$$

BT DH5 Maximum Duty Factor:

The theoretical maximum duty cycle defined by chipset manufacturer is 76.56%. 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 76.6%, and the duty cycle was compensated by applying test error tolerance 1%. BTLE Mode was tested under the Worst Duty cycle condition in FTM Mode.

For more information on BT and BTLE, please refer to the technical description document.

12. System Verification

12.1 Tissue Verification

The body simulating material is calibrated by HCT using the DAKS 3.5 to determine the conductivity and permittivity.

Table for Head Tissue Verification									
Date of Tests	Tissue Temp. (°C)	Tissue Type	Freq. (MHz)	Measured Conductivity σ (S/m)	Measured Dielectric Constant, ϵ	Target Conductivity σ (S/m)	Target Dielectric Constant, ϵ	% dev σ	% dev ϵ
04/25/2023	20.0	13H	12	0.744	54.319	0.750	55.000	-0.80	-1.24
			13	0.724	54.355	0.750	55.000	-3.47	-1.17
			14	0.756	54.296	0.750	55.000	0.80	-1.28
04/01/2023	21.0	750H	705	0.850	43.505	0.889	42.174	- 4.39	+ 3.16
			710	0.855	43.431	0.890	42.148	- 3.93	+ 3.04
			750	0.897	42.840	0.893	41.940	+ 0.45	+ 2.15
03/31/2023	20.4	750H	705	0.849	43.162	0.889	42.174	- 4.50	+ 2.34
			710	0.851	43.048	0.890	42.148	- 4.38	+ 2.14
			750	0.886	42.484	0.893	41.940	- 0.78	+ 1.30
04/01/2023	21.0	750H	705	0.856	43.480	0.889	42.174	- 3.71	+ 3.10
			710	0.861	43.406	0.890	42.148	- 3.26	+ 2.98
			750	0.903	42.816	0.893	41.940	+ 1.12	+ 2.09
04/02/2023	21.2	750H	750	0.899	43.039	0.893	41.940	+ 0.67	+ 2.62
			785	0.933	42.529	0.896	41.758	+ 4.13	+ 1.85
04/02/2023	21.2	750H	750	0.897	43.046	0.893	41.940	+ 0.45	+ 2.64
			785	0.935	42.531	0.896	41.758	+ 4.35	+ 1.85
04/02/2023	21.2	750H	750	0.870	42.926	0.893	41.940	- 2.58	+ 2.35
			785	0.906	42.419	0.896	41.758	+ 1.12	+ 1.58
04/02/2023	21.9	835H	820	0.915	42.838	0.899	41.577	+ 1.78	+ 3.03
			835	0.931	42.633	0.900	41.500	+ 3.44	+ 2.73
			850	0.946	42.429	0.916	41.500	+ 3.28	+ 2.24
04/02/2023	21.9	835H	820	0.924	42.210	0.899	41.577	+ 2.78	+ 1.52
			835	0.937	42.005	0.900	41.500	+ 4.11	+ 1.22
			850	0.950	41.800	0.916	41.500	+ 3.71	+ 0.72
03/30/2023	21.5	835H	820	0.916	42.837	0.899	41.577	+ 1.89	+ 3.03
			835	0.931	42.633	0.900	41.500	+ 3.44	+ 2.73
			850	0.947	42.429	0.916	41.500	+ 3.38	+ 2.24
03/31/2023	21.2	835H	820	0.924	42.615	0.899	41.577	+ 2.78	+ 2.50
			835	0.935	42.409	0.900	41.500	+ 3.89	+ 2.19
			850	0.945	42.206	0.916	41.500	+ 3.17	+ 1.70
03/30/2023	20.2	835H	820	0.915	42.044	0.899	41.577	+ 1.78	+ 1.12
			835	0.931	41.838	0.900	41.500	+ 3.44	+ 0.81
			850	0.946	41.636	0.916	41.500	+ 3.28	+ 0.33
03/30/2023	20.2	835H	820	0.923	40.593	0.899	41.577	+ 2.67	- 2.37
			835	0.938	40.359	0.900	41.500	+ 4.22	- 2.75
			850	0.951	40.117	0.916	41.500	+ 3.82	- 3.33
03/31/2023	20.4	835H	820	0.910	43.212	0.899	41.577	+ 1.22	+ 3.93
			835	0.926	43.009	0.900	41.500	+ 2.89	+ 3.64
			850	0.941	42.807	0.916	41.500	+ 2.73	+ 3.15
04/03/2023	21.0	835H	820	0.911	42.039	0.899	41.577	+ 1.33	+ 1.11
			835	0.926	41.834	0.900	41.500	+ 2.89	+ 0.80
			850	0.941	41.631	0.916	41.500	+ 2.73	+ 0.32
04/03/2023	21.0	835H	820	0.922	40.579	0.899	41.577	+ 2.56	- 2.40
			835	0.938	40.363	0.900	41.500	+ 4.22	- 2.74
			850	0.950	40.177	0.916	41.500	+ 3.71	- 3.19
04/04/2023	20.2	835H	820	0.904	42.922	0.899	41.577	+ 0.56	+ 3.23
			835	0.919	42.716	0.900	41.500	+ 2.11	+ 2.93
			850	0.934	42.513	0.916	41.500	+ 1.97	+ 2.44