

TEST REPORT

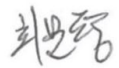
FCC SAR Test for TFGMEIBBCD1
Certification

APPLICANT
LG Electronics USA Inc.

REPORT NO.
HCT-SR-2511-FC004-R3

DATE OF ISSUE
December 16, 2025

Tested by
Moon Pyung Choi



Technical Manager
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TEST REPORT

FCC SAR Test for
certification

REPORT NO.

HCT-SR-2511-FC004-R3

DATE OF ISSUE

December 16, 2025

FCC ID

BEJTFGMEIBBCD1

Applicant

LG Electronics USA Inc.

111 Sylvan Avenue, North Building, Englewood Cliffs, New Jersey, United States, 07632

Product Name

Telematics

Model Name

TFGMEIBBCD1

Variant Model Name

TFGMEIBBCD2, TFGMEIBBCD3, TFGMEIBBCD1_MY27, TFGMEIBBCD2_MY27, TFGMEIBBCD3_MY27,

Date of Test

Oct. 29, 2025~ Nov. 18, 2025

Location of Test

☒ Permanent Testing Lab ☐ On Site Testing Lab

(Address: 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, Republic of Korea)

FCC Rule Part(s)

CFR § 2.1091

Test Results

PASS (SAR Limit: 1.6 W/kg)

Refer to the clause 3.2 Attestation of test result

REVISION HISTORY

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

Revision No.	Date of Issue	Description
0	November 25, 2025	Initial Release
1	December 09, 2025	Added Hardware/Software Version on Page 7
2	December 12, 2025	Added Antenna Photo on Section 4.5
3	December 16, 2025	Removed Antenna Photo on Section 4.5

Notice

Content

The results shown in this test report only apply to the sample(s), as received, provided by the applicant, unless otherwise stated.

The test results have only been applied with the test methods required by the standard(s).

The laboratory is not accredited for the test results marked *.

Information provided by the applicant is marked **.

Test results provided by external providers are marked ***.

When confirmation of authenticity of this test report is required, please contact www.hct.co.kr

The test results in this test report are not associated with the ((KS Q) ISO/IEC 17025) accreditation by KOLAS (Korea Laboratory Accreditation Scheme) / A2LA (American Association for Laboratory Accreditation) that are under the ILAC (International Laboratory Accreditation Cooperation) Mutual Recognition Agreement (MRA).

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1. Test Regulations

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

- FCC KDB Publication 941225 D01 3G SAR Procedures v03r01
- FCC KDB Publication 941225 D05 SAR for LTE Devices v02r05
- FCC KDB Publication 941225 D05A LTE Rel.10 KDB Inquiry sheet v01r02
- FCC KDB Publication 447498 D01 General RF Exposure Guidance v06
- FCC KDB Publication 865664 D01 SAR measurement 100 MHz to 6 GHz v01r04
- FCC KDB Publication 865664 D02 SAR Reporting v01r02
- FCC KDB Publication 690783 D01 SAR Listings on Grants v01r03
- FCC KDB Publication 971168 D01 Power Meas License Digital Systems v03r01

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

- October 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)
- November 2017 TCBC Workshop Notes (LTE Carrier Aggregation)
- April 2018 TCBC Workshop Notes (LTE UL CA, DL CA SAR Test Exclusion)
- November 2019 TCB Workshop Notes (5G NR FR1 NSA EN-DC UE SAR Evaluations)

2. Test Location

2.1 Test Laboratory

Company Name	HCT Co., Ltd.
Address	74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, Republic of 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	TFGMEIBBCD1
Variant Model Name	TFGMEIBBCD2, TFGMEIBBCD3, TFGMEIBBCD1_MY27, TFGMEIBBCD2_MY27, TFGMEIBBCD3_MY27,
Equipment Type	Telematics
FCC ID	BEJLTFGMEIBBCD1
Hardware Version	Rev.G
Software Version	SW180
Application Type	Certification
Applicant	LG Electronics USA Inc.
TFGMEIBBCD1 & Variant Model Difference	Same to RF module with Basic model except following function. TFGMEIBBCD1: Dual/Single GNSS and Ultra-super cruise service supported. TFGMEIBBCD2: Single GNSS and Ultra-super cruise service doesn't supported. TFGMEIBBCD3: Single GNSS and Ultra-super cruise service doesn't supported. eUICC part is different with TFGMEIBBCD2. TFGMEIBBCD1_MY27, TFGMEIBBCD2_MY27 and TFGMEIBBCD3_MY27 are identically same with TFGMEIBBCD1, TFGMEIBBCD2 and TFGMEIBBCD3 and additional derivative models for marketing purposes.

3.2 Attestation of test result of device under test

The Highest Reported SAR			
Band	Tx. Frequency	Equipment Class	Reported SAR (W/kg)
			1 g Body
UMTS Band 2	1 850.0 MHz ~ 1 910.0 MHz	PCB	0.36
UMTS Band 4	1 710.0 MHz ~ 1 755.0 MHz	PCB	0.27
UMTS Band 5	824.0 MHz ~ 849.0 MHz	PCB	0.24
LTE FDD Band 2 (PCS)	1 850.0 MHz ~ 1 910.0 MHz	PCB	0.33
LTE FDD Band 5 (Cell)	824.0 MHz ~ 849.0 MHz	PCB	0.53
LTE FDD Band 7	2 502.5 MHz ~ 2 567.5 MHz	PCB	0.28
LTE FDD Band 12	2 500.0 MHz ~ 2 570.0 MHz	PCB	0.54
LTE FDD Band 13	777.0 MHz ~ 787.0 MHz	PCB	0.41
LTE FDD Band 14	788.0 MHz ~ 798.0 MHz	PCB	0.43
LTE FDD Band 26 (Cell)	814.0 MHz ~ 849.0 MHz	PCB	0.42
LTE FDD Band 66(4) (AWS)	1 710.0 MHz ~ 1 780 MHz	PCB	0.39
NR FDD Band n7	2 500.0 MHz ~ 2 570.0 MHz	PCB	0.31
NR FDD Band n12	699.0 MHz ~ 716.0 MHz	PCB	0.65
NR FDD Band n13	777.0 MHz ~ 787.0 MHz	PCB	0.63
NR FDD Band n14	788.0 MHz ~ 798.0 MHz	PCB	0.51
NR FDD Band n25(2) (PCS)	1 850.0 MHz ~ 1 915.0 MHz	PCB	0.39
NR FDD Band n26(5)	814.0 MHz ~ 849.0 MHz	PCB	0.52
NR FDD Band n66	1 710.0 MHz ~ 1 780 MHz	PCB	0.27
NR FDD Band n71	665.5 MHz ~ 695.5 MHz	PCB	0.64
NR TDD Band n41	2 496 MHz ~ 2 690 MHz	PCB	0.36
NR TDD Band n77(78)	3 700 MHz ~ 3 980 MHz	PCB	<0.10
	3 450 MHz ~ 3 550 MHz		
Simultaneous SAR per KDB 690783 D01v01r03			1.04
Date(s) of Tests:	Oct. 29, 2025~ Nov. 18, 2025		

Summary table of SAR measurement results		
SAR test Configuration	The Highest SAR (W/kg)	Distance (mm)
Body	0.65	25
Simultaneous transmission analysis	1.04	

4. Device Under Test Description

4.1 DUT specification

Device Wireless specification overview		
Band & Mode	Operating Mode	Tx Frequency
UMTS Band 2	Data	1 850.0 MHz ~ 1 910.0 MHz
UMTS Band 4	Data	1 710.0 MHz ~ 1 755.0 MHz
UMTS Band 5	Data	824.0 MHz ~ 849.0 MHz
LTE FDD Band 2 (PCS)	Data	1 850.0 MHz ~ 1 910.0 MHz
LTE FDD Band 4 (AWS)	Data	1 710.0 MHz ~ 1 755.0 MHz
LTE FDD Band 5 (Cell)	Data	824.0 MHz ~ 849.0 MHz
LTE FDD Band 7	Data	2 500.0 MHz ~ 2 570.0 MHz
LTE FDD Band 12	Data	699.0 MHz ~ 716.0 MHz
LTE FDD Band 13	Data	777.0 MHz ~ 787.0 MHz
LTE FDD Band 14	Data	788.0 MHz ~ 798.0 MHz
LTE FDD Band 26	Data	814 MHz ~ 849 MHz
LTE FDD Band 66 (AWS)	Data	1 710.0 MHz ~ 1 780 MHz
NR FDD Band n2 (PCS)	Data	1 850.0 MHz ~ 1 910.0 MHz
NR FDD Band n5	Data	824.0 MHz ~ 849.0 MHz
NR FDD Band n7	Data	2 500.0 MHz ~ 2 570.0 MHz
NR FDD Band n12	Data	699.0 MHz ~ 716.0 MHz
NR FDD Band n13	Data	777.0 MHz ~ 787.0 MHz
NR FDD Band n14	Data	788.0 MHz ~ 798.0 MHz
NR FDD Band n25 (PCS)	Data	1 850.0 MHz ~ 1 915.0 MHz
NR FDD Band n26	Data	824.0 MHz ~ 849.0 MHz
NR FDD Band n66	Data	1 710.0 MHz ~ 1 780 MHz
NR FDD Band n71	Data	663.0 MHz ~ 698.0 MHz
NR TDD Band n41	Data	2 496 MHz ~ 2 690 MHz
NR TDD Band n77 DoD	Data	3 450 MHz ~ 3 550 MHz
NR TDD Band n77	Data	3 700 MHz ~ 3 980 MHz
NR TDD Band n78 DoD	Data	3 450 MHz ~ 3 550 MHz
NR TDD Band n78	Data	3 700 MHz ~ 3 800 MHz
Device Description		
Device Serial Numbers	Mode	Serial Number
	UMTS Band 2,4,5	EBR25076202 #008
	LTE Band 2,5,7,12,13,14,26,66 NR Band n5,7,12,13,14,25,26,66,71	EBR25076202 #008
	NR Band n41, n77	EBR25076202 #034
	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 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 D01v06. Compliance per KDB publication 447498 D01v06.

4.2.1 3G/4G/5G Nominal Output Power

A. UMTS Modes

Mode/Band		Max. Modulated Average (dBm)			
		MIMO1, Int. BUA			
		3GPP WCDMA	3GPP HSDPA	3GPP HSUPA	3GPP DC-HSPDA
UMTS Band 2 (1 900 MHz)	Maximum	25.0	25.0	25.0	25.0
	Nominal	24.0	24.0	24.0	24.0
UMTS Band 4 (1 800 MHz)	Maximum	24.5	24.5	24.5	24.5
	Nominal	23.5	23.5	23.5	23.5
UMTS Band 5 (850 MHz)	Maximum	25.0	25.0	25.0	25.0
	Nominal	24.0	24.0	24.0	24.0

Tolerance: -2.0 dB ~ +1.0 dB

B. LTE Modes

Mode / Band		Max. Modulated Average (dBm)
LTE FDD Band 2	Maximum	25.0
	Nominal	24.0
LTE FDD Band 4	Maximum	24.5
	Nominal	23.5
LTE FDD Band 5	Maximum	25.2
	Nominal	24.2
LTE FDD Band 7	Maximum	25.0
	Nominal	24.0
LTE FDD Band 12	Maximum	25.2
	Nominal	24.2
LTE FDD Band 13	Maximum	25.0
	Nominal	24.0
LTE FDD Band 14	Maximum	25.0
	Nominal	24.0
LTE FDD Band 26	Maximum	25.0
	Nominal	24.0
LTE FDD Band 66	Maximum	24.5
	Nominal	23.5

Tolerance: -2.0 dB ~ +1.0 dB

C. 5G NR SUB 6

Mode / Band		Max. Modulated Average (dBm)
NR FDD Band n2	Maximum	25.0
	Nominal	24.0
NR FDD Band n5	Maximum	25.0
	Nominal	24.0
NR FDD Band n7	Maximum	25.0
	Nominal	24.0
NR FDD Band n12	Maximum	25.0
	Nominal	24.0
NR FDD Band n13	Maximum	25.0
	Nominal	24.0
NR FDD Band n14	Maximum	25.0
	Nominal	24.0
NR FDD Band n25 (PCS)	Maximum	25.0
	Nominal	24.0
NR FDD Band n26	Maximum	25.0
	Nominal	24.0
NR FDD Band n66	Maximum	24.5
	Nominal	23.5
NR FDD Band n71	Maximum	25.0
	Nominal	24.0
NR TDD Band n41	Maximum	26.0
	Nominal	25.0
NR TDD Band n77	Maximum	26.0
	Nominal	25.0
NR TDD Band n78	Maximum	26.0
	Nominal	25.0
NR TDD Band n41 MIMO	Maximum	26.0
	Nominal	25.0
NR TDD Band n77 MIMO	Maximum	26.0
	Nominal	25.0

Tolerance: -2.0 dB ~ +1.0 dB

4.3 LTE Information

	Item.	Description
Frequency Range	LTE FDD Band 2 (PCS)	1 850.0 MHz ~ 1 910.0 MHz
	LTE FDD Band 4 (AWS)	1 710.0 MHz ~ 1 755.0 MHz
	LTE FDD Band 5 (Cell)	824.0 MHz ~ 849.0 MHz
	LTE FDD Band 7	2 500.0 MHz ~ 2 570.0 MHz
	LTE FDD Band 12	699.0 MHz ~ 716.0 MHz
	LTE FDD Band 13	777.0 MHz ~ 787.0 MHz
	LTE FDD Band 14	788.0 MHz ~ 798.0 MHz
	LTE FDD Band 26	814.0 MHz ~ 849.0 MHz
	LTE FDD Band 66 (AWS)	1 710.0 MHz ~ 1 780 MHz
Channel Bandwidths	LTE FDD Band 2 (PCS)	1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE FDD Band 4 (AWS)	1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE FDD Band 5 (Cell)	1.4 MHz, 3 MHz, 5 MHz, 10 MHz
	LTE FDD Band 7	5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE FDD Band 12	1.4 MHz, 3 MHz, 5 MHz, 10 MHz
	LTE FDD Band 13	5 MHz, 10 MHz
	LTE FDD Band 14	5 MHz, 10 MHz
	LTE FDD Band 26	1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz
	LTE FDD Band 66 (AWS)	1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz

Ch. No.& Freq.(MHz)		Low / Low-Mid	Mid	Mid-High / High
LTE FDD 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 FDD 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	1 720 (20050)	1 732.5 (20175)	1 745 (20300)
LTE FDD 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	829 (20450)	836.5 (20525)	844 (20600)
LTE FDD Band 7	5 MHz	2 502.5 (20775)	2 535 (21100)	2 567.5 (21425)
	10 MHz	2 505 (20800)	2 535 (21100)	2 565 (21400)
	15 MHz	2 507.5 (20825)	2 535 (21100)	2 562.5 (21375)
	20 MHz	2 510 (20850)	2 535 (21100)	2 560 (21350)
LTE FDD Band 12	1.4 MHz	699.7 (23017)	707.5 (23095)	715.3 (23173)
	3 MHz	700.5 (23025)	707.5 (23095)	714.5 (23165)
	5 MHz	701.5 (23035)	707.5 (23095)	713.5 (23155)
	10 MHz	704 (23060)	707.5 (23095)	711 (23130)
LTE FDD Band 13	5 MHz	779.5(23205)	782 (23230)	784.5(23255)
	10 MHz		782 (23230)	
LTE FDD Band 14	5 MHz	790.5(23305)	793 (23330)	795.5(23355)
	10 MHz		793 (23330)	
LTE FDD Band 26	1.4 MHz	814.7 (26697)	831.5 (26865)	848.3 (27033)
	3 MHz	815.5 (26705)	831.5 (26865)	847.5 (27025)
	5 MHz	816.5 (26715)	831.5 (26865)	846.5 (27015)
	10 MHz	819.0 (26740)	831.5 (26865)	844.0 (26990)
	15 MHz	821.5 (26765)	831.5 (26865)	841.5 (26965)
LTE FDD Band 66 (AWS)	1.4 MHz	1 710.7 (131979)	1 745 (132322)	1 779.3 (132665)
	3 MHz	1 711.5 (131987)	1 745 (132322)	1 778.5 (132657)
	5 MHz	1 712.5 (131997)	1 745 (132322)	1 777.5 (132647)
	10 MHz	1 715.0 (132022)	1 745 (132322)	1 775.0 (132622)
	15 MHz	1 717.5 (132047)	1 745 (132322)	1 772.5 (132597)
	20 MHz	1 720.0 (132072)	1 745 (132322)	1 770.0 (132572)

Modulations Supported in UL	QPSK, 16QAM, 64QAM, 256 QAM
LTE MPR Permanently implemented per 3GPP TS 36.101 section 6.2.3	Yes
A-MPR disabled for SAR Testing.	Yes
LTE Carrier Aggregation	This device supports Inter-Band & Intra-Band Up-link Carrier aggregations Detailed information in Technical Description document.

4.4 5G NR SUB 6 Information

Item.		Description
Frequency Range	NR FDD Band n2 (PCS)	1 850.0 MHz ~ 1 910.0 MHz
	NR FDD Band n5	824.0 MHz ~ 849.0 MHz
	NR FDD Band n7	2 500.0 MHz ~ 2 570.0 MHz
	NR FDD Band n12	699.0 MHz ~ 716.0 MHz
	NR FDD Band n13	777.0 MHz ~ 787.0 MHz
	NR FDD Band n14	788.0 MHz ~ 798.0 MHz
	NR FDD Band n25 (PCS)	1 850.0 MHz ~ 1 915.0 MHz
	NR FDD Band n26	814.0 MHz ~ 849.0 MHz
	NR FDD Band n66	1 710.0 MHz ~ 1 780 MHz
	NR FDD Band n71	663.0 MHz ~ 698.0 MHz
	NR TDD Band n41	2 496.0 MHz ~ 2 690.0 MHz
	NR TDD Band n77 DoD	3 450.0 MHz ~ 3 550.0 MHz
	NR TDD Band n77	3 700.0 MHz ~ 3 980.0 MHz
	NR TDD Band n78 DoD	3 450.0 MHz ~ 3 550.0 MHz
	NR TDD Band n78	3 700.0 MHz ~ 3 800.0 MHz
Channel Bandwidths	NR FDD Band n2 (PCS)	5 MHz, 10 MHz, 15 MHz, 20 MHz
	NR FDD Band n5	5 MHz, 10 MHz, 15 MHz, 20 MHz
	NR FDD Band n7	5 MHz, 10 MHz, 15 MHz, 20 MHz
	NR FDD Band n12	5 MHz, 10 MHz, 15 MHz
	NR FDD Band n13	5 MHz, 10 MHz
	NR FDD Band n14	5 MHz, 10 MHz
	NR FDD Band n25 (PCS)	5 MHz, 10 MHz, 15 MHz, 20 MHz
	NR FDD Band n26	5 MHz, 10 MHz, 15 MHz, 20 MHz
	NR FDD Band n66	5 MHz, 10 MHz, 15 MHz, 20 MHz, 40 MHz
	NR FDD Band n71	5 MHz, 10 MHz, 15 MHz, 20 MHz
	NR TDD Band n41	20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 80 MHz, 90 MHz, 100 MHz
	NR TDD Band n77 DoD	20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90 MHz, 100 MHz
	NR TDD Band n77	20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90 MHz, 100 MHz
	NR TDD Band n78 DoD	20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90 MHz, 100 MHz
	NR TDD Band n78	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 FDD Band n2 (PCS)	5 MHz	1 852.5(370500)	1 880(376000)	1 907.5(381500)
	10 MHz	1 855(371000)	1 880(376000)	1 905(381000)
	15 MHz	1 857.5(371500)	1 880(376000)	1 902.5(380500)
	20 MHz	1 860.0(372000)	1 880(376000)	1 900(380000)
NR FDD Band n5	5 MHz	826.5(165300)	836.5(167300)	846.5(169300)
	10 MHz	829.0(165800)	836.5(167300)	844.0(168800)
	15 MHz	831.5(166300)	836.5(167300)	841.5(168300)
	20 MHz	834.0(166800)	836.5(167300)	839.0(167800)
NR FDD Band n7	5 MHz	2 502.5(500500)	2 535(507000)	2 567.5(513500)
	10 MHz	2 505(501000)	2 535(507000)	2 565(513000)
	15 MHz	2 507.5(501500)	2 535(507000)	2 562.5(512500)
	20 MHz	2 510(502000)	2 535(507000)	2 560(512000)
NR FDD Band n12	5 MHz	701.5(140300)	707.5(141500)	713.5(142700)
	10 MHz	704.0(140800)	707.5(141500)	711(142200)
	15 MHz	706.5(141300)	707.5(141500)	708.5(141700)
NR FDD Band n13	5 MHz	779.5(155900)	782(156400)	784.5(156900)
	10 MHz		782(156400)	
NR FDD Band n14	5 MHz	790.5(158100)	793(158600)	795.5(159100)
	10 MHz		793(158600)	
NR FDD Band n25(PCS)	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)
NR FDD Band n26	5 MHz	816.5(163300)	831.5(166300)	846.5(169300)
	10 MHz	819(163800)	831.5(166300)	844(168800)
	15 MHz	821.5(164300)	831.5(166300)	841.5(168300)
	20 MHz	834.0(166800)	831.5(166300)	839(167800)
NR FDD Band n66	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)
	40 MHz	1 710(342000)	1 745(349000)	1 760(352000)
NR FDD Band n71	5 MHz	665.5(133100)	680.5(136100)	695.5(139100)
	10 MHz	668.0(133600)	680.5(136100)	693.0(138600)
	15 MHz	670.5(134100)	680.5(136100)	690.5(138100)
	20 MHz	673.0(134600)	680.5(136100)	688.0(137600)

Ch. No.& Freq.(MHz)	Low / Low-Mid		Mid		Mid-High / High	
NR TDD Band n41	20 MHz	2 506.02(501204)	2 549.49(509898)	2 592.99(518598)	2 636.49(527298)	2 679.99(535998)
	30 MHz	2 511(502200)	2 552.01(510402)	2 592.99(518598)	2 634(526800)	2 674.98(534996)
	40 MHz	2 516.01(503202)	2 567.34(513468)		2 618.67(523734)	2 670(534000)
	50 MHz	2 521.02(504204)		2 592.99(518598)		2 664.99(532998)
	60 MHz	2 526(505200)		2 592.99(518598)		2 659.98(531996)
	80 MHz	2 536.02(507204)				2 649.99(529998)
	90 MHz	2 541(508200)				2 644.98(528996)
	100 MHz			2 592.99(518598)		
NR TDD Band n77	20 MHz	3 710.01 (647334)	3 762 (650800)	3 813.99(654266)	3 866.01 (657734)	3 918 (661200)
	30 MHz	3 715.02 (647668)	3 765 (651000)	3 815.01(654334)	3 864.99 (657666)	3 915 (661000)
	40 MHz	3 720 (648000)	3 768 (651200)	3 816 (654400)	3 864 (657600)	3 912 (660800)
	50 MHz	3 725.01 (648334)	3 782.49 (652166)	3 840 (656000)		3 897.51 (659834)
	60 MHz	3 730.02 (648668)	3 803.34(653556)			3 876.66(658444)
	70 MHz	3 735 (649000)	3 804.99 (654336)			3 875.01 (658334)
	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)
NR TDD Band n77 (DoD)	100 MHz	3 750 (650000)		3 840 (656000)		3 930 (662000)
	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)		
NR TDD Band n78	90 MHz			3 500.01 (633334)		
	100 MHz			3 500.01 (633334)		
	20 MHz	3 710.01(647334)		3 750(650000)		3 789.99(652666)
	30 MHz	3 715(647666)		3 750(650000)		3 784.98(652332)
	40 MHz	3 720(647800)				3 780(652000)
	50 MHz	3 725.01(648334)				3 774.99(651666)
	60 MHz			3 750(650000)		
	70 MHz			3 750(650000)		
NR TDD Band n78 (DoD)	80 MHz			3 750(650000)		
	90 MHz			3 750(650000)		
	100 MHz			3 750(650000)		
	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)		
NR TDD Band n78 (DoD)	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 FDD Band n2/n5/n7/n12/n13/n14/n25/n26/n66/n71 SCS	15 kHz
NR TDD Band n41/n77/n78 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 (PCS)	LTE Band 5/12/13/14
LTE Anchor Bands for NR Band n5	LTE Band 2/7/66
LTE Anchor Bands for NR Band n7	LTE Band 5/12
LTE Anchor Bands for NR Band n12	LTE Band 2/66
LTE Anchor Bands for NR Band n13	LTE Band 66
LTE Anchor Bands for NR Band n25	LTE Band 12
LTE Anchor Bands for NR Band n66	LTE Band 5/12/13/14
LTE Anchor Bands for NR Band n71	LTE Band 2/7/66
LTE Anchor Bands for NR Band n41	LTE Band 5/26
LTE Anchor Bands for NR Band n77	LTE Band 2/5/7/12/13/14/26/66
LTE Anchor Bands for NR Band n78	LTE Band 2/5/7/12/26/66

4.5 DUT Antenna Locations

Antenna Part No.
Gen12 5G OnStar ROW Glass Antenna Primary Cell1 (85737594)
Gen12 5G OnStar ROW Glass Antenna Secondary Cell2 (85737595)

Antenna	Mode/Band	Rear	Front	Left	Right	Top	Bottom
MAIN1 [Cell1]	UMTS Band 2	No	Yes	No	No	No	No
MAIN1 [Cell1]	UMTS Band 4	No	Yes	No	No	No	No
MAIN1 [Cell1]	UMTS Band 5	No	Yes	No	No	No	No
MAIN1 [Cell1]	LTE FDD Band 2 (PCS)	No	Yes	No	No	No	No
MAIN1 [Cell1]	LTE FDD Band 4	No	Yes	No	No	No	No
MAIN1 [Cell1]	LTE FDD Band 5	No	Yes	No	No	No	No
MAIN1 [Cell1]	LTE FDD Band 7	No	Yes	No	No	No	No
MAIN1 [Cell1]	LTE FDD Band 12	No	Yes	No	No	No	No
MAIN1 [Cell1]	LTE FDD Band 13	No	Yes	No	No	No	No
MAIN1 [Cell1]	LTE FDD Band 14	No	Yes	No	No	No	No
MAIN1 [Cell1]	LTE FDD Band 66	No	Yes	No	No	No	No
MAIN1 [Cell1]	NR FDD Band n2	No	Yes	No	No	No	No
MAIN1 [Cell1]	NR FDD Band n5	No	Yes	No	No	No	No
MAIN1 [Cell1]	NR FDD Band n7	No	Yes	No	No	No	No
MAIN1 [Cell1]	NR FDD Band n12	No	Yes	No	No	No	No
MAIN1 [Cell1]	NR FDD Band n13	No	Yes	No	No	No	No
MAIN1 [Cell1]	NR FDD Band n14	No	Yes	No	No	No	No
MAIN1 [Cell1]	NR FDD Band n25	No	Yes	No	No	No	No
MAIN1 [Cell1]	NR FDD Band n26	No	Yes	No	No	No	No
MAIN1 [Cell1]	NR FDD Band n66	No	Yes	No	No	No	No
MAIN1 [Cell1]	NR FDD Band n71	No	Yes	No	No	No	No
MAIN1 [Cell1]	NR TDD Band n41 (PC2)	No	Yes	No	No	No	No
MAIN1 [Cell1]	NR TDD Band n77 (PC2)	No	Yes	No	No	No	No
MAIN1 [Cell1]	NR TDD Band n78 (PC2)	No	Yes	No	No	No	No
MAIN2 [Cell2]	NR TDD Band n41 MIMO	No	Yes	No	No	No	No
MAIN2 [Cell2]	NR TDD Band n77 MIMO	No	Yes	No	No	No	No
MAIN2 [Cell2]	NR TDD Band n78 MIMO	No	Yes	No	No	No	No

The SAR test was measured at a distance of 25mm from the antenna on the surface exposed to the user in the device's installation environment. This distance is the SAR separation distance declared by the manufacturer. For detailed information, refer to the technical documentation.

4.6 SAR Summation Scenario

According to FCC KDB 447498 D01v06, 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 D01v06.

Scenario
LTE + NR
LTE + LTE
NR MIMO

Note:

1. The highest reported SAR for each exposure condition is used for SAR summation purpose.
2. LTE + 5G NR FR1 Scenarios are supported NSA and SA Connectivity.

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 (ρ). 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/m^3)
- = 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 DASY5/6/8 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 or Window 10 or Window 11 is working with SAR Measurement system & DASY5 & DASY6 & DASY8 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.

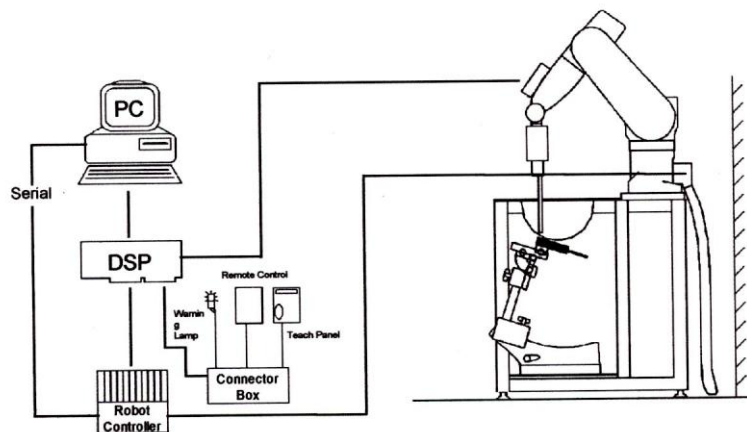


Figure 2. HCT SAR Lab. Test Measurement Set-up

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.

			$\leq 3 \text{ GHz}$	$> 3 \text{ GHz}$
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			$5 \pm 1 \text{ mm}$	$\cdot \delta \cdot \ln(2) \pm 0.5 \text{ mm}$
Maximum probe angle from probe axis to phantom surface normal at the measurement location			$30^\circ \pm 1^\circ$	$20^\circ \pm 1^\circ$
Maximum area scan Spatial resolution: $\Delta x_{\text{Area}}, \Delta y_{\text{Area}}$			$\leq 2 \text{ GHz: } \leq 15 \text{ mm}$ $2\text{-}3 \text{ GHz: } \leq 12 \text{ mm}$	$3\text{-}4 \text{ GHz: } \leq 12 \text{ mm}$ $4\text{-}6 \text{ GHz: } \leq 10 \text{ mm}$
			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 $\leq$ 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: $\Delta x_{\text{zoom}}, \Delta y_{\text{zoom}}$			$\leq 2 \text{ GHz: } \leq 8 \text{ mm}$ $2\text{-}3 \text{ GHz: } \leq 5 \text{ mm}^*$	$3\text{-}4 \text{ GHz: } \leq 5 \text{ mm}^*$ $4\text{-}6 \text{ GHz: } \leq 4 \text{ mm}^*$
Maximum zoom scan Spatial resolution normal to phantom surface	uniform grid: $\Delta z_{\text{zoom}}(n)$		$\leq 5 \text{ mm}$	$3\text{-}4 \text{ GHz: } \leq 4 \text{ mm}$ $4\text{-}5 \text{ GHz: } \leq 3 \text{ mm}$ $5\text{-}6 \text{ GHz: } \leq 2 \text{ mm}$
	graded grid	$\Delta z_{\text{zoom}}(1)$: between 1 st two Points closest to phantom surface	$\leq 4 \text{ mm}$	$3\text{-}4 \text{ GHz: } \leq 3 \text{ mm}$ $4\text{-}5 \text{ GHz: } \leq 2.5 \text{ mm}$ $5\text{-}6 \text{ GHz: } \leq 2 \text{ mm}$
		$\Delta z_{\text{zoom}}(n>1)$: between subsequent Points	$\leq 1.5 \cdot \Delta z_{\text{zoom}}(n-1)$	
Minimum zoom scan volume	x, y, z		$\geq 30 \text{ mm}$	$3\text{-}4 \text{ GHz: } \geq 28 \text{ mm}$ $4\text{-}5 \text{ GHz: } \geq 25 \text{ mm}$ $5\text{-}6 \text{ GHz: } \geq 22 \text{ mm}$
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 KDB447498 is $\leq 1.4 \text{ W/kg}$, $\leq 8 \text{ mm}$, $\leq 7 \text{ mm}$ and $\leq 5 \text{ mm}$ 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. RF EXPOSURE LIMITS

HUMAN EXPOSURE	UNCONTROLLED ENVIRONMENT General Population	CONTROLLED ENVIRONMENT Occupational
	W/kg	W/kg
The SAR averaged over the whole body mass.	0.08	0.4
The peak spatially-averaged SAR for the head, neck and trunk, averaged over any 1 g of tissue*	1.6	8
The peak spatially-averaged SAR in the limbs, averaged over any 10 g of tissue*	4	20

NOTES:

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

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

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

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

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

9. SAR Test Considerations

9.1 Licensed Transmitter(s)

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

This Device supports 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 $\leq 0.5\text{dB}$ higher than the same configuration in QPSK and the reported SAR for QPSK configuration is $\leq 1.45\text{ W/Kg}$, 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 4 (1 710.0 MHz ~ 1 755.0 MHz) is covered by LTE Band 66(1 710.0 MHz ~ 1 780.0 MHz) of this model each both LTE bands have the same target powers.

This product supported Intra-band LTE Carrier Aggregation for 7C with two component carriers in the uplink. SAR Measurement and conducted Powers were measured according to Nov 2019 TCBC Workshop guide.

NR capabilities with overlapping transmission frequency ranges were applied to NR Band n2 (1 850.0 MHz ~ 1910.0 MHz) is covered by NR Band n25 (1 850.0 MHz ~ 1 915.0 MHz), NR Band n5 (824.0 MHz ~ 849.0 MHz) is covered by NR Band n26 (814.0 MHz ~ 849.0 MHz), NR Band n78 DoD (3 450.0 MHz ~ 3 550.0 MHz) is covered by NR Band n77 DoD (3 450.0 MHz ~ 3 550.0 MHz), NR Band n78 (3 700.0 MHz ~ 3 800.0 MHz) is covered by NR Band n77(3 700.0 MHz ~ 3 980.0 MHz) of this model each both NR bands have the same target powers.

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

According to November 2019 TCB Workshop, ENDC SAR Test Guidance as follows:

If the single uplink 1-g SAR values for each band are both less than 0.8 W/kg and the algebraic summation of the 1 g SAR values are less than 1.45 W/kg, no additional measurements need to be performed.

If one of the single uplink 1-g SAR values is greater than 0.8 W/kg, instead of algebraically summing the 1-g SAR values, sum up the SAR distributions, similar to the enlarged zoom scan (volume scan) procedures.

If the algebraic sum of the 1-g SAR values is greater than 1.45 W/kg, additional measurements may have to be made. Submit a KDB Inquiry for additional guidance.

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.

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. 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 D01v06.

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

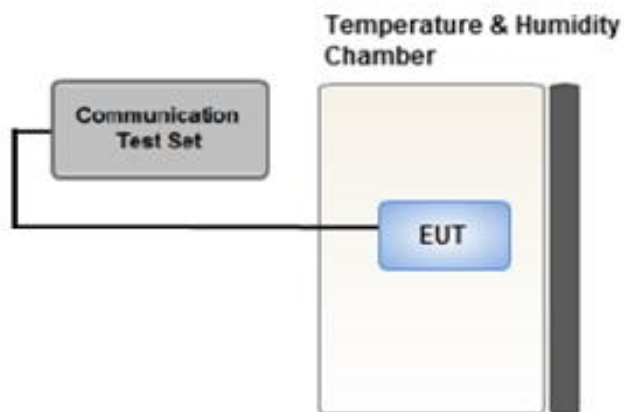
According to ANSI C63.26-2015 Section 5.2.1 when measuring the maximum RF output power from such devices, control over the EUT must be provided either through special test software (provided by manufacturer specifically for compliance testing, but not accessible by an end user) or through use of a base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



10.1 UMTS Maximum Output Power

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.

10.1.1 UMTS Band 5 Maximum Conducted Output Power

UMTS Band 5 Maximum Conducted Output Power

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	24.28	24.45	24.18	-
5	HSDPA	Subtest 1	23.21	23.14	23.18	0
5		Subtest 2	23.15	23.19	23.16	0
5		Subtest 3	23.03	22.99	23.01	0.5
5		Subtest 4	23.04	23.03	22.91	0.5
6	HSUPA	Subtest 1	23.68	23.70	23.66	0
6		Subtest 2	21.70	21.69	21.63	2
6		Subtest 3	22.71	22.69	22.60	1
6		Subtest 4	21.69	21.63	21.52	2
6		Subtest 5	23.63	23.65	23.51	0
8	DC-HSDPA	Subtest 1	23.31	23.32	23.21	0
8		Subtest 2	23.32	23.31	23.20	0
8		Subtest 3	22.83	22.88	22.71	0.5
8		Subtest 4	22.84	22.85	22.69	0.5

UMTS Average Conducted output powers

10.1.2 UMTS Band 4 Maximum Conducted Output Power

UMTS Band 4 Maximum Conducted Output Power

3GPP Release Version	Mode	3GPP 34.121	UMTS Band 4 [dBm]			3GPP MPR
		Subtest	UL 1312 DL 1537	UL 1412 DL 1637	UL 1513 DL 1738	
99	UMTS	12.2 kbps RMC	23.54	23.55	23.45	-
5	HSDPA	Subtest 1	22.81	22.85	22.77	0
5		Subtest 2	22.78	22.81	22.83	0
5		Subtest 3	22.74	22.69	22.58	0.5
5		Subtest 4	22.69	22.72	22.55	0.5
6	HSUPA	Subtest 1	23.45	23.46	23.42	0
6		Subtest 2	21.49	21.51	21.41	2
6		Subtest 3	22.45	22.52	22.40	1
6		Subtest 4	21.51	21.48	21.40	2
6		Subtest 5	23.46	23.45	23.43	0
8	DC-HSDPA	Subtest 1	23.16	23.19	23.23	0
8		Subtest 2	23.17	23.21	23.20	0
8		Subtest 3	22.65	22.71	22.74	0.5
8		Subtest 4	22.69	22.73	22.72	0.5

UMTS Average Conducted output powers

10.1.3 UMTS Band 2 Maximum Conducted Output Power

UMTS Band 2 Maximum Conducted Output Power – Antenna A

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	24.12	24.10	24.17	-
5	HSDPA	Subtest 1	23.24	23.23	23.21	0
5		Subtest 2	23.18	23.17	23.18	0
5		Subtest 3	22.95	22.96	23.08	0.5
5		Subtest 4	23.06	22.95	23.09	0.5
6	HSUPA	Subtest 1	23.85	23.79	23.78	0
6		Subtest 2	21.84	21.78	21.81	2
6		Subtest 3	22.83	22.77	22.80	1
6		Subtest 4	21.85	21.80	21.81	2
6		Subtest 5	23.83	23.78	23.79	0
8	DC-HSDPA	Subtest 1	23.62	23.58	23.66	0
8		Subtest 2	23.59	23.54	23.61	0
8		Subtest 3	23.11	23.04	23.15	0.5
8		Subtest 4	23.16	23.14	23.06	0.5

UMTS Average Conducted output powers

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.



10.2 LTE Maximum Output Power

Only the Conducted Power measurement results of the maximum bandwidth, which is the SAR test condition of LTE Bands according to FCC KDB 941225 D05v02r05, are included, and the measurement results of other bandwidths are listed in Appendix J.

LTE B5/B12/B13/B14/B26 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.

LTE Band 2 Conducted_Power

LTE Band 2_1.4 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18607 Ch. 1850.7 MHz	18900 Ch. 1880 MHz	19193 Ch. 1909.3 MHz		
1.4 MHz	QPSK	1	0	23.83	23.86	23.33	0	0
		1	3	23.87	23.96	23.42	0	0
		1	5	23.78	23.89	23.33	0	0
		3	0	23.89	23.87	23.84	0 - 1	0
		3	1	23.80	23.97	23.85	0 - 1	0
		3	3	23.81	23.91	23.80	0 - 1	0
		6	0	22.95	22.95	22.92	0 - 1	1
	16QAM	1	0	23.26	23.14	23.08	0 - 1	1
		1	3	23.23	23.31	23.21	0 - 1	1
		1	5	23.25	23.24	23.19	0 - 1	1
		3	0	22.91	23.07	22.99	0 - 2	1
		3	1	23.02	23.22	23.04	0 - 2	1
		3	3	22.94	23.14	22.99	0 - 2	1
		6	0	22.01	22.00	22.08	0 - 2	2
	64QAM	1	0	21.87	21.48	21.24	0 - 2	2
		1	3	21.89	21.63	21.33	0 - 2	2
		1	5	21.85	21.56	21.30	0 - 2	2
		3	0	21.82	21.47	21.12	0 - 3	2
		3	1	21.85	21.58	21.16	0 - 3	2
		3	3	21.79	21.51	21.17	0 - 3	2
		6	0	20.84	20.47	20.15	0 - 3	3
	256QAM	1	0	19.07	18.98	19.56	0 - 5	5
		1	3	19.22	19.17	19.68	0 - 5	5
		1	5	19.07	19.08	19.62	0 - 5	5
		3	0	19.03	19.02	19.61	0 - 5	5
		3	1	19.21	19.13	19.69	0 - 5	5
		3	3	19.07	19.11	19.63	0 - 5	5
		6	0	19.00	18.92	19.49	0 - 5	5

LTE Band 2_3 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18615 Ch. 1851.5 MHz	18900 Ch. 1880 MHz	19185 Ch. 1908.5 MHz		
3 MHz	QPSK	1	0	23.87	23.90	23.19	0	0
		1	7	23.89	24.05	23.18	0	0
		1	14	23.99	24.00	23.26	0	0
		8	0	23.06	23.00	22.96	0 - 1	1
		8	3	23.05	23.08	23.02	0 - 1	1
		8	7	23.01	23.06	23.05	0 - 1	1
		15	0	22.99	23.02	22.98	0 - 1	1
	16QAM	1	0	23.19	23.16	23.15	0 - 1	1
		1	7	23.24	23.30	23.25	0 - 1	1
		1	14	23.30	23.34	23.24	0 - 1	1
		8	0	22.13	22.05	22.09	0 - 2	2
		8	3	22.10	22.15	22.15	0 - 2	2
		8	7	22.10	22.20	22.19	0 - 2	2
		15	0	22.05	22.03	22.07	0 - 2	2
	64QAM	1	0	22.11	21.61	21.25	0 - 2	2
		1	7	21.97	21.66	21.30	0 - 2	2
		1	14	21.97	21.61	21.31	0 - 2	2
		8	0	20.94	20.51	20.09	0 - 3	3
		8	3	20.98	20.57	20.18	0 - 3	3
		8	7	20.89	20.55	20.17	0 - 3	3
		15	0	20.93	20.53	20.16	0 - 3	3
	256QAM	1	0	19.06	19.07	19.63	0 - 5	5
		1	7	19.23	19.22	19.75	0 - 5	5
		1	14	19.05	19.19	19.79	0 - 5	5
		8	0	19.05	19.04	19.63	0 - 5	5
		8	3	19.05	19.12	19.70	0 - 5	5
		8	7	19.11	19.18	19.69	0 - 5	5
		15	0	19.04	19.06	19.66	0 - 5	5

LTE Band 2_5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18625 Ch. 1852.5 MHz	18900 Ch. 1880 MHz	19175 Ch. 1907.5 MHz		
5 MHz	QPSK	1	0	23.94	23.93	23.09	0	0
		1	12	23.89	24.05	23.18	0	0
		1	24	23.91	24.05	23.19	0	0
		12	0	23.01	22.99	22.89	0 - 1	1
		12	6	23.02	23.06	23.01	0 - 1	1
		12	11	23.06	23.06	23.01	0 - 1	1
		25	0	23.00	23.03	22.90	0 - 1	1
	16QAM	1	0	23.27	23.28	23.02	0 - 1	1
		1	12	23.27	23.34	23.15	0 - 1	1
		1	24	23.17	23.38	23.19	0 - 1	1
		12	0	22.11	22.11	22.00	0 - 2	2
		12	6	22.11	22.07	22.08	0 - 2	2
		12	11	22.04	22.14	22.08	0 - 2	2
		25	0	22.04	22.04	21.97	0 - 2	2
	64QAM	1	0	21.97	21.50	21.13	0 - 2	2
		1	12	21.98	21.59	21.24	0 - 2	2
		1	24	21.91	21.55	21.24	0 - 2	2
		12	0	20.92	20.45	20.00	0 - 3	3
		12	6	20.95	20.56	20.10	0 - 3	3
		12	11	20.91	20.51	20.11	0 - 3	3
		25	0	20.84	20.40	20.02	0 - 3	3
	256QAM	1	0	19.09	19.17	19.64	0 - 5	5
		1	12	19.14	19.33	19.73	0 - 5	5
		1	24	19.13	19.32	19.77	0 - 5	5
		12	0	19.04	18.97	19.60	0 - 5	5
		12	6	19.05	19.07	19.61	0 - 5	5
		12	11	19.12	19.13	19.71	0 - 5	5
		25	0	19.03	19.08	19.57	0 - 5	5

LTE Band 2_10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18650 Ch. 1855 MHz	18900 Ch. 1880 MHz	19150 Ch. 1905 MHz		
10 MHz	QPSK	1	0	24.00	23.93	23.29	0	0
		1	24	23.87	23.93	23.16	0	0
		1	49	23.88	24.03	23.33	0	0
		25	0	22.98	23.00	22.81	0 - 1	1
		25	12	23.04	22.99	22.86	0 - 1	1
		25	24	22.92	23.10	22.89	0 - 1	1
		50	0	22.99	23.01	22.78	0 - 1	1
	16QAM	1	0	23.35	23.29	23.19	0 - 1	1
		1	24	23.36	23.32	23.01	0 - 1	1
		1	49	23.17	23.30	23.19	0 - 1	1
		25	0	22.01	22.02	21.82	0 - 2	2
		25	12	21.94	21.98	21.92	0 - 2	2
		25	24	21.94	22.12	21.98	0 - 2	2
		50	0	22.02	21.97	21.88	0 - 2	2
	64QAM	1	0	21.87	21.46	21.18	0 - 2	2
		1	24	21.88	21.59	21.11	0 - 2	2
		1	49	21.60	21.38	21.30	0 - 2	2
		25	0	20.72	20.29	19.94	0 - 3	3
		25	12	20.78	20.46	20.00	0 - 3	3
		25	24	20.63	20.43	20.01	0 - 3	3
		50	0	20.71	20.39	19.95	0 - 3	3
	256QAM	1	0	19.11	19.09	19.68	0 - 5	5
		1	24	19.13	18.88	19.75	0 - 5	5
		1	49	18.68	18.89	19.76	0 - 5	5
		25	0	19.04	18.97	19.58	0 - 5	5
		25	12	19.03	19.11	19.71	0 - 5	5
		25	24	19.07	19.19	19.68	0 - 5	5
		50	0	19.02	19.02	19.65	0 - 5	5

LTE Band 2_15 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18675 Ch. 1857.5 MHz	18900 Ch. 1880 MHz	19125 Ch. 1902.5 MHz		
15 MHz	QPSK	1	0	23.96	23.93	23.58	0	0
		1	36	23.87	24.03	23.59	0	0
		1	74	23.89	23.95	23.15	0	0
		36	0	23.01	22.98	22.96	0 - 1	1
		36	18	23.02	23.02	22.82	0 - 1	1
		36	39	23.01	23.19	22.84	0 - 1	1
		75	0	23.00	22.96	22.78	0 - 1	1
	16QAM	1	0	23.20	23.31	23.46	0 - 1	1
		1	36	23.17	23.30	22.94	0 - 1	1
		1	74	23.32	23.38	23.13	0 - 1	1
		36	0	22.05	22.05	22.05	0 - 2	2
		36	18	22.01	22.08	21.89	0 - 2	2
		36	39	22.02	22.11	21.94	0 - 2	2
		75	0	21.98	21.97	21.91	0 - 2	2
	64QAM	1	0	21.96	21.67	21.64	0 - 2	2
		1	36	21.78	21.49	20.98	0 - 2	2
		1	74	21.72	21.57	21.14	0 - 2	2
		36	0	20.75	20.35	20.17	0 - 3	3
		36	18	20.66	20.42	19.98	0 - 3	3
		36	39	20.66	20.49	20.04	0 - 3	3
		75	0	20.68	20.45	20.02	0 - 3	3
	256QAM	1	0	19.13	19.07	19.74	0 - 5	5
		1	36	19.12	19.25	19.74	0 - 5	5
		1	74	19.18	19.32	19.88	0 - 5	5
		36	0	19.02	19.02	19.63	0 - 5	5
		36	18	19.03	19.15	19.74	0 - 5	5
		36	39	19.07	19.20	19.76	0 - 5	5
		75	0	19.04	19.05	19.74	0 - 5	5

LTE Band 2_20 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18700 Ch. 1860 MHz	18900 Ch. 1880 MHz	19100 Ch. 1900 MHz		
20 MHz	QPSK	1	0	23.92	23.92	24.02	0	0
		1	49	23.63	23.97	23.65	0	0
		1	99	23.84	24.03	23.56	0	0
		50	0	22.99	22.95	23.28	0 - 1	1
		50	25	23.00	22.97	22.92	0 - 1	1
		50	49	23.06	23.29	22.80	0 - 1	1
		100	0	23.04	23.02	22.90	0 - 1	1
	16QAM	1	0	23.37	23.25	23.88	0 - 1	1
		1	49	23.05	23.25	23.14	0 - 1	1
		1	99	23.39	23.23	23.09	0 - 1	1
		50	0	22.03	22.06	22.36	0 - 2	2
		50	25	22.06	22.09	22.02	0 - 2	2
		50	49	21.93	22.03	21.89	0 - 2	2
		100	0	21.99	22.08	22.05	0 - 2	2
	64QAM	1	0	22.14	21.72	22.04	0 - 2	2
		1	49	21.71	21.56	21.20	0 - 2	2
		1	99	21.71	21.65	21.11	0 - 2	2
		50	0	20.71	20.38	20.49	0 - 3	3
		50	25	20.65	20.44	20.13	0 - 3	3
		50	49	20.58	20.44	19.98	0 - 3	3
		100	0	20.64	20.38	20.19	0 - 3	3
	256QAM	1	0	19.19	19.02	19.86	0 - 5	5
		1	49	19.06	19.14	19.63	0 - 5	5
		1	99	19.17	19.07	19.88	0 - 5	5
		50	0	19.05	19.02	19.57	0 - 5	5
		50	25	19.01	19.08	19.64	0 - 5	5
		50	49	18.99	19.18	19.79	0 - 5	5
		100	0	19.08	19.11	19.64	0 - 5	5

LTE Band 4 Conducted_Power

LTE Band 4_1.4 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				19957 Ch. 1710.7 MHz	20175 Ch. 1732.5 MHz	20393 Ch. 1754.3 MHz		
1.4 MHz	QPSK	1	0	22.93	22.87	22.78	0	0
		1	3	23.06	22.97	22.87	0	0
		1	5	22.91	22.93	22.86	0	0
		3	0	22.96	22.94	22.77	0 - 1	0
		3	1	22.99	22.93	22.89	0 - 1	0
		3	3	22.95	22.96	22.83	0 - 1	0
		6	0	22.10	22.07	21.88	0 - 1	1
	16QAM	1	0	22.28	22.32	22.12	0 - 1	1
		1	3	22.32	22.34	22.22	0 - 1	1
		1	5	22.34	22.29	22.08	0 - 1	1
		3	0	22.16	22.13	21.95	0 - 2	1
		3	1	22.25	22.17	22.13	0 - 2	1
		3	3	22.13	22.13	22.05	0 - 2	1
		6	0	21.12	21.13	20.84	0 - 2	2
	64QAM	1	0	21.16	20.19	21.04	0 - 2	2
		1	3	21.27	20.33	21.26	0 - 2	2
		1	5	21.25	20.11	21.05	0 - 2	2
		3	0	21.13	20.10	20.95	0 - 3	2
		3	1	21.24	21.24	21.07	0 - 3	2
		3	3	21.23	21.18	20.98	0 - 3	2
		6	0	20.12	20.01	19.88	0 - 3	3
	256QAM	1	0	18.18	18.18	17.94	0 - 5	5
		1	3	18.23	18.21	18.14	0 - 5	5
		1	5	18.19	18.10	18.04	0 - 5	5
		3	0	18.18	18.09	18.00	0 - 5	5
		3	1	18.20	18.21	18.12	0 - 5	5
		3	3	18.23	18.15	18.07	0 - 5	5
		6	0	18.12	18.02	17.88	0 - 5	5

LTE Band 4_3 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				19965 Ch. 1711.5 MHz	20175 Ch. 1732.5 MHz	20385 Ch. 1753.5 MHz		
3 MHz	QPSK	1	0	22.99	23.02	22.96	0	0
		1	7	23.14	22.97	23.01	0	0
		1	14	23.01	23.04	22.97	0	0
		8	0	22.11	22.06	22.04	0 - 1	1
		8	3	22.14	22.13	22.06	0 - 1	1
		8	7	22.20	22.07	22.05	0 - 1	1
		15	0	22.17	22.17	22.04	0 - 1	1
	16QAM	1	0	22.37	22.36	22.23	0 - 1	1
		1	7	22.37	22.31	22.35	0 - 1	1
		1	14	22.36	22.30	22.27	0 - 1	1
		8	0	21.17	21.22	21.09	0 - 2	2
		8	3	21.25	21.27	21.11	0 - 2	2
		8	7	21.26	21.18	21.09	0 - 2	2
		15	0	21.20	21.10	21.08	0 - 2	2
	64QAM	1	0	21.12	21.17	21.21	0 - 2	2
		1	7	21.23	21.22	21.16	0 - 2	2
		1	14	21.33	21.28	21.19	0 - 2	2
		8	0	20.18	20.10	20.02	0 - 3	3
		8	3	20.26	20.23	20.16	0 - 3	3
		8	7	20.26	20.15	20.07	0 - 3	3
		15	0	20.28	20.19	20.10	0 - 3	3
	256QAM	1	0	18.22	18.15	18.11	0 - 5	5
		1	7	18.27	18.34	18.20	0 - 5	5
		1	14	18.24	18.24	18.16	0 - 5	5
		8	0	18.13	18.10	18.07	0 - 5	5
		8	3	18.27	18.21	18.08	0 - 5	5
		8	7	18.21	18.14	18.11	0 - 5	5
		15	0	18.23	18.20	18.06	0 - 5	5

LTE Band 4_5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				19975 Ch. 1712.5 MHz	20175 Ch. 1732.5 MHz	20375 Ch. 1752.5 MHz		
5 MHz	QPSK	1	0	22.92	22.95	22.84	0	0
		1	12	23.12	23.05	22.89	0	0
		1	24	23.06	23.00	22.92	0	0
		12	0	22.14	21.98	21.95	0 - 1	1
		12	6	22.13	22.11	21.94	0 - 1	1
		12	11	22.12	22.14	22.02	0 - 1	1
		25	0	22.18	22.05	21.95	0 - 1	1
	16QAM	1	0	22.25	22.23	22.21	0 - 1	1
		1	12	22.22	22.26	22.39	0 - 1	1
		1	24	22.33	22.35	22.32	0 - 1	1
		12	0	21.18	21.09	21.00	0 - 2	2
		12	6	21.19	21.15	20.99	0 - 2	2
		12	11	21.22	21.13	21.08	0 - 2	2
		25	0	21.12	21.13	20.99	0 - 2	2
	64QAM	1	0	21.27	21.16	21.12	0 - 2	2
		1	12	21.38	21.23	21.14	0 - 2	2
		1	24	21.34	21.27	21.14	0 - 2	2
		12	0	20.18	20.08	20.02	0 - 3	3
		12	6	20.17	20.12	20.04	0 - 3	3
		12	11	20.19	20.13	20.04	0 - 3	3
		25	0	20.15	20.12	19.95	0 - 3	3
	256QAM	1	0	18.15	18.16	18.09	0 - 5	5
		1	12	18.19	18.38	18.08	0 - 5	5
		1	24	18.36	18.28	18.18	0 - 5	5
		12	0	18.13	18.11	17.91	0 - 5	5
		12	6	18.18	18.19	18.05	0 - 5	5
		12	11	18.17	18.17	18.06	0 - 5	5
		25	0	18.17	18.16	17.96	0 - 5	5

LTE Band 4_10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20000 Ch. 1715 MHz	20175 Ch. 1732.5 MHz	20350 Ch. 1750 MHz		
10 MHz	QPSK	1	0	23.09	22.93	22.89	0	0
		1	24	22.91	22.99	22.69	0	0
		1	49	23.20	22.91	22.82	0	0
		25	0	22.04	21.97	21.95	0 - 1	1
		25	12	22.20	22.17	22.06	0 - 1	1
		25	24	22.16	22.13	22.09	0 - 1	1
		50	0	22.11	22.14	21.95	0 - 1	1
	16QAM	1	0	22.17	22.27	22.08	0 - 1	1
		1	24	22.33	22.30	22.15	0 - 1	1
		1	49	22.22	22.28	22.23	0 - 1	1
		25	0	21.06	21.09	20.96	0 - 2	2
		25	12	21.25	21.18	20.97	0 - 2	2
		25	24	21.12	21.14	21.08	0 - 2	2
		50	0	21.26	21.10	20.96	0 - 2	2
	64QAM	1	0	21.18	21.27	21.09	0 - 2	2
		1	24	21.28	21.30	21.29	0 - 2	2
		1	49	21.33	21.34	21.27	0 - 2	2
		25	0	20.06	20.06	19.97	0 - 3	3
		25	12	20.17	20.18	20.00	0 - 3	3
		25	24	20.19	20.07	20.01	0 - 3	3
		50	0	20.22	20.14	20.05	0 - 3	3
	256QAM	1	0	18.10	18.22	18.10	0 - 5	5
		1	24	18.25	18.19	18.18	0 - 5	5
		1	49	18.12	18.35	18.11	0 - 5	5
		25	0	18.03	18.12	17.90	0 - 5	5
		25	12	18.25	18.15	18.05	0 - 5	5
		25	24	18.15	18.16	18.11	0 - 5	5
		50	0	18.21	18.14	18.04	0 - 5	5

LTE Band 4_15 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20025 Ch. 1717.5 MHz	20175 Ch. 1732.5 MHz	20325 Ch. 1747.5 MHz		
15 MHz	QPSK	1	0	23.07	23.15	23.09	0	0
		1	36	22.91	23.11	22.87	0	0
		1	74	23.06	22.88	22.84	0	0
		36	0	22.17	22.15	22.00	0 - 1	1
		36	18	22.25	22.17	22.05	0 - 1	1
		36	39	22.15	22.09	22.03	0 - 1	1
		75	0	22.22	22.16	22.15	0 - 1	1
	16QAM	1	0	22.39	22.32	22.16	0 - 1	1
		1	36	22.21	22.20	22.30	0 - 1	1
		1	74	22.24	22.24	22.35	0 - 1	1
		36	0	21.18	21.15	21.04	0 - 2	2
		36	18	21.25	21.13	21.08	0 - 2	2
		36	39	21.17	21.16	21.07	0 - 2	2
		75	0	21.26	21.23	21.16	0 - 2	2
	64QAM	1	0	21.33	21.32	21.22	0 - 2	2
		1	36	21.27	21.30	21.21	0 - 2	2
		1	74	21.26	21.32	21.21	0 - 2	2
		36	0	20.17	20.18	20.03	0 - 3	3
		36	18	20.25	20.23	20.10	0 - 3	3
		36	39	20.20	20.06	20.09	0 - 3	3
		75	0	20.25	20.20	20.07	0 - 3	3
	256QAM	1	0	18.26	18.33	18.26	0 - 5	5
		1	36	18.25	18.36	18.20	0 - 5	5
		1	74	18.28	18.31	18.18	0 - 5	5
		36	0	18.21	18.11	18.10	0 - 5	5
		36	18	18.27	18.24	18.09	0 - 5	5
		36	39	18.24	18.09	18.08	0 - 5	5
		75	0	18.20	18.28	18.11	0 - 5	5

LTE Band 4_20 MHz Bandwidth Conducted Power

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		23.19		0	0
		1	49		23.01		0	0
		1	99		22.99		0	0
		50	0		22.16		0 - 1	1
		50	25		22.12		0 - 1	1
		50	49		22.06		0 - 1	1
		100	0		22.20		0 - 1	1
	16QAM	1	0		22.30		0 - 1	1
		1	49		22.25		0 - 1	1
		1	99		22.27		0 - 1	1
		50	0		21.19		0 - 2	2
		50	25		21.23		0 - 2	2
		50	49		21.12		0 - 2	2
		100	0		21.19		0 - 2	2
	64QAM	1	0		21.35		0 - 2	2
		1	49		21.26		0 - 2	2
		1	99		21.19		0 - 2	2
		50	0		20.22		0 - 3	3
		50	25		20.22		0 - 3	3
		50	49		20.17		0 - 3	3
		100	0		20.18		0 - 3	3
	256QAM	1	0		18.29		0 - 5	5
		1	49		18.17		0 - 5	5
		1	99		18.25		0 - 5	5
		50	0		18.17		0 - 5	5
		50	25		18.21		0 - 5	5
		50	49		18.10		0 - 5	5
		100	0		18.26		0 - 5	5

LTE Band 5 Conducted_Power

LTE Band 5_1.4 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20407 Ch. 824.7 MHz	20525 Ch. 836.5 MHz	20643 Ch. 848.3 MHz		
1.4 MHz	QPSK	1	0	24.47	24.47	24.34	0	0
		1	3	24.23	24.50	24.36	0	0
		1	5	24.25	24.48	24.38	0	0
		3	0	24.29	24.50	24.33	0	0
		3	1	24.12	24.40	24.25	0	0
		3	3	24.14	24.37	24.14	0	0
		6	0	23.39	23.57	23.35	0 - 1	1
	16QAM	1	0	23.79	23.76	23.93	0 - 1	1
		1	3	23.42	23.72	23.73	0 - 1	1
		1	5	23.64	23.82	23.86	0 - 1	1
		3	0	23.42	23.60	23.49	0 - 1	1
		3	1	23.36	23.63	23.47	0 - 1	1
		3	3	23.29	23.52	23.46	0 - 1	1
		6	0	22.36	22.56	22.46	0 - 2	2
	64QAM	1	0	22.77	22.80	22.72	0 - 2	2
		1	3	22.68	22.63	22.59	0 - 2	2
		1	5	22.77	22.79	22.70	0 - 2	2
		3	0	22.51	22.52	22.50	0 - 2	2
		3	1	22.49	22.60	22.44	0 - 2	2
		3	3	22.51	22.55	22.46	0 - 2	2
		6	0	21.61	21.67	21.49	0 - 3	3
	256QAM	1	0	19.13	19.66	19.63	0 - 5	5
		1	3	19.60	19.54	19.62	0 - 5	5
		1	5	19.62	19.73	19.67	0 - 5	5
		3	0	19.62	19.65	19.59	0 - 5	5
		3	1	19.50	19.61	19.60	0 - 5	5
		3	3	19.48	19.62	19.63	0 - 5	5
		6	0	19.48	19.60	19.47	0 - 5	5

LTE Band 5_3 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20415 Ch. 825.5 MHz	20525 Ch. 836.5 MHz	20635 Ch. 847.5 MHz		
3 MHz	QPSK	1	0	24.41	24.81	24.19	0	0
		1	7	24.31	24.56	24.54	0	0
		1	14	24.43	24.56	24.52	0	0
		8	0	23.41	23.67	23.58	0 - 1	1
		8	3	23.47	23.56	23.54	0 - 1	1
		8	7	23.53	23.65	23.52	0 - 1	1
		15	0	23.59	23.78	23.65	0 - 1	1
	16QAM	1	0	23.76	23.82	23.83	0 - 1	1
		1	7	23.65	23.91	23.82	0 - 1	1
		1	14	23.61	23.75	23.79	0 - 1	1
		8	0	22.55	22.60	22.62	0 - 2	2
		8	3	22.57	22.69	22.65	0 - 2	2
		8	7	22.50	22.64	22.62	0 - 2	2
		15	0	22.63	22.68	22.71	0 - 2	2
	64QAM	1	0	22.71	22.90	22.84	0 - 2	2
		1	7	22.64	22.85	22.77	0 - 2	2
		1	14	22.70	22.82	22.86	0 - 2	2
		8	0	21.61	21.64	21.61	0 - 3	3
		8	3	21.58	21.66	21.76	0 - 3	3
		8	7	21.49	21.64	21.68	0 - 3	3
		15	0	21.55	21.72	21.73	0 - 3	3
	256QAM	1	0	19.70	19.81	19.77	0 - 5	5
		1	7	19.81	19.83	19.87	0 - 5	5
		1	14	19.80	19.81	19.74	0 - 5	5
		8	0	19.73	19.72	19.76	0 - 5	5
		8	3	19.61	19.72	19.63	0 - 5	5
		8	7	19.70	19.75	19.73	0 - 5	5
		15	0	19.73	19.79	19.62	0 - 5	5

LTE Band 5_5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20425 Ch. 826.5 MHz	20525 Ch. 836.5 MHz	20625 Ch. 846.5 MHz		
5 MHz	QPSK	1	0	24.50	24.37	24.36	0	0
		1	12	24.29	24.39	24.29	0	0
		1	24	24.33	24.36	24.24	0	0
		12	0	23.49	23.49	23.29	0 - 1	1
		12	6	23.54	23.51	23.31	0 - 1	1
		12	11	23.45	23.45	23.30	0 - 1	1
		25	0	23.49	23.53	23.30	0 - 1	1
	16QAM	1	0	23.64	23.53	23.52	0 - 1	1
		1	12	23.52	23.61	23.50	0 - 1	1
		1	24	23.52	23.52	23.39	0 - 1	1
		12	0	22.59	22.54	22.44	0 - 2	2
		12	6	22.57	22.58	22.50	0 - 2	2
		12	11	22.55	22.53	22.42	0 - 2	2
		25	0	22.49	22.49	22.36	0 - 2	2
	64QAM	1	0	22.69	22.59	21.74	0 - 2	2
		1	12	22.61	22.66	21.53	0 - 2	2
		1	24	22.63	22.62	21.54	0 - 2	2
		12	0	21.61	21.59	20.54	0 - 3	3
		12	6	21.55	21.61	20.53	0 - 3	3
		12	11	21.51	21.53	20.49	0 - 3	3
		25	0	21.58	21.54	20.50	0 - 3	3
	256QAM	1	0	19.69	19.58	19.55	0 - 5	5
		1	12	19.59	19.59	19.62	0 - 5	5
		1	24	19.60	19.56	19.41	0 - 5	5
		12	0	19.56	19.51	19.43	0 - 5	5
		12	6	19.51	19.56	19.37	0 - 5	5
		12	11	19.42	19.45	19.40	0 - 5	5
		25	0	19.47	19.46	19.40	0 - 5	5

LTE Band 5_10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
					20525 Ch. 836.5 MHz			
10 MHz	QPSK	1	0		24.55		0	0
		1	24		24.51		0	0
		1	49		24.50		0	0
		25	0		23.74		0 - 1	1
		25	12		23.83		0 - 1	1
		25	24		23.78		0 - 1	1
		50	0		23.81		0 - 1	1
	16QAM	1	0		23.90		0 - 1	1
		1	24		23.95		0 - 1	1
		1	49		23.96		0 - 1	1
		25	0		22.78		0 - 2	2
		25	12		22.86		0 - 2	2
		25	24		22.82		0 - 2	2
		50	0		22.85		0 - 2	2
	64QAM	1	0		22.90		0 - 2	2
		1	24		22.96		0 - 2	2
		1	49		22.73		0 - 2	2
		25	0		21.78		0 - 3	3
		25	12		21.83		0 - 3	3
		25	24		21.76		0 - 3	3
		50	0		21.90		0 - 3	3
	256QAM	1	0		19.90		0 - 5	5
		1	24		19.67		0 - 5	5
		1	49		19.66		0 - 5	5
		25	0		19.80		0 - 5	5
		25	12		19.89		0 - 5	5
		25	24		19.72		0 - 5	5
		50	0		19.80		0 - 5	5

LTE Band 7 Conducted_Power

LTE Band 7_5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20775 Ch. 2502.5 MHz	21100 Ch. 2535 MHz	21425 Ch. 2567.5 MHz		
5 MHz	QPSK	1	0	24.18	24.11	24.23	0	0
		1	12	24.20	24.04	24.20	0	0
		1	24	24.22	24.10	24.20	0	0
		12	0	23.32	23.29	23.37	0 - 1	1
		12	6	23.41	23.27	23.32	0 - 1	1
		12	11	23.32	23.29	23.33	0 - 1	1
		25	0	23.39	23.27	23.33	0 - 1	1
	16QAM	1	0	23.57	23.44	23.52	0 - 1	1
		1	12	23.54	23.22	23.51	0 - 1	1
		1	24	23.71	23.56	23.50	0 - 1	1
		12	0	22.47	22.36	22.42	0 - 2	2
		12	6	22.39	22.34	22.41	0 - 2	2
		12	11	22.36	22.25	22.35	0 - 2	2
		25	0	22.40	22.26	22.33	0 - 2	2
	64QAM	1	0	22.17	22.30	22.46	0 - 2	2
		1	12	22.22	22.24	22.35	0 - 2	2
		1	24	22.26	22.33	22.27	0 - 2	2
		12	0	21.04	21.19	21.28	0 - 3	3
		12	6	21.11	21.18	21.37	0 - 3	3
		12	11	21.11	21.15	21.33	0 - 3	3
		25	0	21.05	21.14	21.28	0 - 3	3
	256QAM	1	0	19.50	19.38	19.47	0 - 5	5
		1	12	19.40	19.16	19.53	0 - 5	5
		1	24	19.44	19.42	19.45	0 - 5	5
		12	0	19.38	19.28	19.34	0 - 5	5
		12	6	19.42	19.29	19.40	0 - 5	5
		12	11	19.42	19.31	19.31	0 - 5	5
		25	0	19.40	19.27	19.41	0 - 5	5

LTE Band 7_10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20800 Ch. 2505 MHz	21100 Ch. 2535 MHz	21400 Ch. 2565 MHz		
10 MHz	QPSK	1	0	24.18	24.07	24.17	0	0
		1	24	24.17	24.05	24.18	0	0
		1	49	24.22	24.05	24.09	0	0
		25	0	23.31	23.12	23.32	0 - 1	1
		25	12	23.40	23.32	23.36	0 - 1	1
		25	24	23.34	23.28	23.32	0 - 1	1
		50	0	23.33	23.21	23.26	0 - 1	1
	16QAM	1	0	23.67	23.63	23.61	0 - 1	1
		1	24	23.65	23.52	23.67	0 - 1	1
		1	49	23.69	23.71	23.86	0 - 1	1
		25	0	22.31	22.15	22.35	0 - 2	2
		25	12	22.38	22.23	22.38	0 - 2	2
		25	24	22.34	22.22	22.38	0 - 2	2
		50	0	22.33	22.27	22.32	0 - 2	2
	64QAM	1	0	22.35	22.16	22.35	0 - 2	2
		1	24	22.44	22.30	22.47	0 - 2	2
		1	49	22.48	22.36	22.30	0 - 2	2
		25	0	21.20	21.11	21.29	0 - 3	3
		25	12	21.29	21.13	21.38	0 - 3	3
		25	24	21.33	21.24	21.26	0 - 3	3
		50	0	21.35	21.18	21.24	0 - 3	3
	256QAM	1	0	19.39	19.29	19.48	0 - 5	5
		1	24	19.20	19.31	19.01	0 - 5	5
		1	49	19.53	19.15	19.57	0 - 5	5
		25	0	19.24	19.26	19.23	0 - 5	5
		25	12	19.46	19.34	19.39	0 - 5	5
		25	24	19.36	19.27	19.34	0 - 5	5
		50	0	19.44	19.26	19.34	0 - 5	5

LTE Band 7_15 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20825 Ch. 2507.5 MHz	21100 Ch. 2535 MHz	21375 Ch. 2562.5 MHz		
15 MHz	QPSK	1	0	24.26	24.14	24.27	0	0
		1	36	24.27	24.11	24.15	0	0
		1	74	24.13	24.18	24.16	0	0
		36	0	23.30	23.29	23.35	0 - 1	1
		36	18	23.36	23.38	23.31	0 - 1	1
		36	39	23.36	23.28	23.39	0 - 1	1
		75	0	23.32	23.32	23.30	0 - 1	1
	16QAM	1	0	23.65	23.54	23.72	0 - 1	1
		1	36	23.60	23.83	23.85	0 - 1	1
		1	74	23.50	23.71	23.83	0 - 1	1
		36	0	22.23	22.30	22.37	0 - 2	2
		36	18	22.41	22.31	22.38	0 - 2	2
		36	39	22.36	22.34	22.37	0 - 2	2
		75	0	22.39	22.38	22.34	0 - 2	2
	64QAM	1	0	22.36	22.42	22.51	0 - 2	2
		1	36	22.50	22.19	22.41	0 - 2	2
		1	74	22.37	22.51	22.19	0 - 2	2
		36	0	21.32	21.12	21.36	0 - 3	3
		36	18	21.38	21.16	21.33	0 - 3	3
		36	39	21.32	21.41	21.33	0 - 3	3
		75	0	21.35	21.22	21.43	0 - 3	3
	256QAM	1	0	19.42	19.35	19.37	0 - 5	5
		1	36	19.40	19.39	19.52	0 - 5	5
		1	74	19.42	19.52	19.58	0 - 5	5
		36	0	19.28	19.28	19.28	0 - 5	5
		36	18	19.41	19.38	19.37	0 - 5	5
		36	39	19.24	19.33	19.39	0 - 5	5
		75	0	19.43	19.33	19.26	0 - 5	5

LTE Band 7_20 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20850 Ch. 2510 MHz	21100 Ch. 2535 MHz	21350 Ch. 2560 MHz		
20 MHz	QPSK	1	0	24.18	24.17	24.27	0	0
		1	49	24.07	24.05	24.13	0	0
		1	99	24.21	24.14	24.13	0	0
		50	0	23.22	23.21	23.33	0 - 1	1
		50	25	23.31	23.31	23.35	0 - 1	1
		50	49	23.23	23.29	23.40	0 - 1	1
		100	0	23.27	23.29	23.41	0 - 1	1
	16QAM	1	0	23.57	23.37	23.64	0 - 1	1
		1	49	23.58	23.48	23.74	0 - 1	1
		1	99	23.31	23.73	23.81	0 - 1	1
		50	0	22.25	22.18	22.29	0 - 2	2
		50	25	22.35	22.28	22.35	0 - 2	2
		50	49	22.26	22.33	22.41	0 - 2	2
		100	0	22.29	22.32	22.40	0 - 2	2
	64QAM	1	0	22.48	22.29	22.55	0 - 2	2
		1	49	22.41	22.30	22.48	0 - 2	2
		1	99	22.43	22.47	22.22	0 - 2	2
		50	0	21.29	21.10	21.36	0 - 3	3
		50	25	21.32	21.18	21.40	0 - 3	3
		50	49	21.31	21.38	21.29	0 - 3	3
		100	0	21.29	21.28	21.40	0 - 3	3
	256QAM	1	0	19.38	19.27	19.38	0 - 5	5
		1	49	19.35	19.41	19.46	0 - 5	5
		1	99	19.38	19.43	19.43	0 - 5	5
		50	0	19.25	19.21	19.30	0 - 5	5
		50	25	19.35	19.37	19.40	0 - 5	5
		50	49	19.33	19.39	19.36	0 - 5	5
		100	0	19.30	19.44	19.43	0 - 5	5

LTE Band 12 Conducted_Power

LTE Band 12_1.4 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23017 Ch. 699.7 MHz	23095 Ch. 707.5 MHz	23173 Ch. 715.3 MHz		
1.4 MHz	QPSK	1	0	23.94	24.32	23.87	0	0
		1	3	23.86	24.23	23.90	0	0
		1	5	23.93	24.15	23.83	0	0
		3	0	23.25	23.44	23.44	0 - 1	0
		3	1	23.57	23.51	23.31	0 - 1	0
		3	3	23.45	23.52	23.28	0 - 1	0
		6	0	23.46	23.40	23.39	0 - 1	1
	16QAM	1	0	23.62	23.69	23.58	0 - 1	1
		1	3	23.62	23.51	23.73	0 - 1	1
		1	5	23.55	23.66	23.59	0 - 1	1
		3	0	22.48	22.58	22.55	0 - 2	1
		3	1	22.42	22.53	22.53	0 - 2	1
		3	3	22.42	22.38	22.47	0 - 2	1
		6	0	22.52	22.51	22.39	0 - 2	2
	64QAM	1	0	22.01	22.65	22.56	0 - 2	2
		1	3	22.10	22.48	22.27	0 - 2	2
		1	5	22.05	22.56	22.11	0 - 2	2
		3	0	21.12	21.32	21.27	0 - 3	2
		3	1	21.15	21.58	21.15	0 - 3	2
		3	3	21.21	21.58	21.29	0 - 3	2
		6	0	20.97	21.29	21.46	0 - 3	3
	256QAM	1	0	19.24	19.60	19.73	0 - 5	5
		1	3	19.08	19.30	19.46	0 - 5	5
		1	5	19.47	19.69	19.56	0 - 5	5
		3	0	19.45	19.56	19.56	0 - 5	5
		3	1	19.26	19.31	19.28	0 - 5	5
		3	3	19.72	19.45	19.47	0 - 5	5
		6	0	19.57	19.74	19.66	0 - 5	5

LTE Band 12_3 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23025 Ch. 700.5 MHz	23095 Ch. 707.5 MHz	23165 Ch. 714.5 MHz		
3 MHz	QPSK	1	0	24.09	24.44	23.94	0	0
		1	7	23.86	24.19	23.91	0	0
		1	14	23.90	24.22	23.74	0	0
		8	0	23.26	23.35	23.41	0 - 1	1
		8	3	23.51	23.49	23.30	0 - 1	1
		8	7	23.35	23.45	23.43	0 - 1	1
		15	0	23.36	23.51	23.29	0 - 1	1
	16QAM	1	0	23.73	23.62	23.68	0 - 1	1
		1	7	23.73	23.69	23.60	0 - 1	1
		1	14	23.69	23.59	23.65	0 - 1	1
		8	0	22.40	22.53	22.57	0 - 2	2
		8	3	22.61	22.50	22.53	0 - 2	2
		8	7	22.51	22.27	22.51	0 - 2	2
		15	0	22.36	22.48	22.36	0 - 2	2
	64QAM	1	0	22.07	22.72	22.51	0 - 2	2
		1	7	22.12	22.41	22.22	0 - 2	2
		1	14	21.91	22.53	22.08	0 - 2	2
		8	0	20.92	21.34	21.35	0 - 3	3
		8	3	20.91	21.55	21.00	0 - 3	3
		8	7	21.20	21.31	21.06	0 - 3	3
		15	0	20.67	21.25	21.09	0 - 3	3
	256QAM	1	0	19.33	19.36	19.60	0 - 5	5
		1	7	19.44	19.08	19.68	0 - 5	5
		1	14	19.40	19.49	19.73	0 - 5	5
		8	0	19.31	19.62	19.37	0 - 5	5
		8	3	19.39	19.38	19.41	0 - 5	5
		8	7	19.67	19.36	19.55	0 - 5	5
		15	0	19.48	19.66	19.65	0 - 5	5

LTE Band 12_5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23035 Ch. 701.5 MHz	23095 Ch. 707.5 MHz	23155 Ch. 713.5 MHz		
5 MHz	QPSK	1	0	24.29	24.41	24.25	0	0
		1	12	24.23	24.37	24.32	0	0
		1	24	24.23	24.28	24.25	0	0
		12	0	23.33	23.41	23.42	0 - 1	1
		12	6	23.40	23.46	23.39	0 - 1	1
		12	11	23.38	23.38	23.46	0 - 1	1
		25	0	23.39	23.50	23.43	0 - 1	1
	16QAM	1	0	23.73	23.65	23.66	0 - 1	1
		1	12	23.69	23.72	23.69	0 - 1	1
		1	24	23.64	23.66	23.69	0 - 1	1
		12	0	22.49	22.50	22.55	0 - 2	2
		12	6	22.52	22.54	22.45	0 - 2	2
		12	11	22.47	22.51	22.52	0 - 2	2
		25	0	22.39	22.48	22.39	0 - 2	2
	64QAM	1	0	21.89	22.30	22.62	0 - 2	2
		1	12	22.08	22.59	22.26	0 - 2	2
		1	24	22.08	22.58	22.03	0 - 2	2
		12	0	20.94	21.45	21.31	0 - 3	3
		12	6	20.97	21.53	21.17	0 - 3	3
		12	11	20.98	21.47	21.05	0 - 3	3
		25	0	20.81	21.42	21.17	0 - 3	3
	256QAM	1	0	19.58	19.61	19.57	0 - 5	5
		1	12	19.47	19.58	19.63	0 - 5	5
		1	24	19.55	19.56	19.48	0 - 5	5
		12	0	19.47	19.49	19.44	0 - 5	5
		12	6	19.54	19.47	19.43	0 - 5	5
		12	11	19.50	19.50	19.42	0 - 5	5
		25	0	19.50	19.53	19.47	0 - 5	5

LTE Band 12_10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
					23095 Ch. 707.5 MHz			
10 MHz	QPSK	1	0		24.42		0	0
		1	24		24.27		0	0
		1	49		24.24		0	0
		25	0		23.42		0 - 1	1
		25	12		23.49		0 - 1	1
		25	24		23.44		0 - 1	1
		50	0		23.45		0 - 1	1
	16QAM	1	0		23.71		0 - 1	1
		1	24		23.61		0 - 1	1
		1	49		23.65		0 - 1	1
		25	0		22.52		0 - 2	2
		25	12		22.48		0 - 2	2
		25	24		22.33		0 - 2	2
		50	0		22.49		0 - 2	2
	64QAM	1	0		22.68		0 - 2	2
		1	24		22.40		0 - 2	2
		1	49		22.47		0 - 2	2
		25	0		21.39		0 - 3	3
		25	12		21.54		0 - 3	3
		25	24		21.42		0 - 3	3
		50	0		21.43		0 - 3	3
	256QAM	1	0		19.56		0 - 5	5
		1	24		19.23		0 - 5	5
		1	49		19.58		0 - 5	5
		25	0		19.46		0 - 5	5
		25	12		19.50		0 - 5	5
		25	24		19.52		0 - 5	5
		50	0		19.56		0 - 5	5

LTE Band 13 Conducted_Power

LTE Band 13_5 MHz Bandwidth Conducted Power

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		23.83		0	0
		1	12		23.87		0	0
		1	24		23.89		0	0
		12	0		23.09		0 - 1	1
		12	6		23.05		0 - 1	1
		12	11		22.99		0 - 1	1
		25	0		23.07		0 - 1	1
	16QAM	1	0		23.21		0 - 1	1
		1	12		23.18		0 - 1	1
		1	24		23.29		0 - 1	1
		12	0		22.19		0 - 2	2
		12	6		22.13		0 - 2	2
		12	11		22.16		0 - 2	2
		25	0		22.07		0 - 2	2
	64QAM	1	0		22.26		0 - 2	2
		1	12		22.20		0 - 2	2
		1	24		22.02		0 - 2	2
		12	0		21.16		0 - 3	3
		12	6		21.11		0 - 3	3
		12	11		21.10		0 - 3	3
		25	0		21.06		0 - 3	3
	256QAM	1	0		19.19		0 - 5	5
		1	12		19.03		0 - 5	5
		1	24		19.21		0 - 5	5
		12	0		19.09		0 - 5	5
		12	6		19.02		0 - 5	5
		12	11		19.08		0 - 5	5
		25	0		19.02		0 - 5	5

LTE Band 13_10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
					23230 Ch. 782 MHz			
10 MHz	QPSK	1	0		23.95		0	0
		1	24		23.76		0	0
		1	49		23.75		0	0
		25	0		23.11		0 - 1	1
		25	12		23.08		0 - 1	1
		25	24		23.00		0 - 1	1
		50	0		23.08		0 - 1	1
	16QAM	1	0		23.39		0 - 1	1
		1	24		23.47		0 - 1	1
		1	49		23.22		0 - 1	1
		25	0		22.07		0 - 2	2
		25	12		21.97		0 - 2	2
		25	24		22.06		0 - 2	2
		50	0		22.07		0 - 2	2
	64QAM	1	0		22.13		0 - 2	2
		1	24		22.29		0 - 2	2
		1	49		22.15		0 - 2	2
		25	0		21.12		0 - 3	3
		25	12		21.10		0 - 3	3
		25	24		21.00		0 - 3	3
		50	0		21.12		0 - 3	3
	256QAM	1	0		19.05		0 - 5	5
		1	24		19.20		0 - 5	5
		1	49		19.41		0 - 5	5
		25	0		19.10		0 - 5	5
		25	12		19.04		0 - 5	5
		25	24		19.03		0 - 5	5
		50	0		18.94		0 - 5	5

LTE Band 14 Conducted_Power

LTE Band 14_5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
					23330 Ch. 793 MHz			
5 MHz	QPSK	1	0		23.82		0	0
		1	12		23.91		0	0
		1	24		23.83		0	0
		12	0		22.96		0 - 1	1
		12	6		22.93		0 - 1	1
		12	11		23.01		0 - 1	1
		25	0		22.94		0 - 1	1
	16QAM	1	0		23.25		0 - 1	1
		1	12		23.21		0 - 1	1
		1	24		23.28		0 - 1	1
		12	0		21.98		0 - 2	2
		12	6		21.98		0 - 2	2
		12	11		21.89		0 - 2	2
		25	0		21.92		0 - 2	2
	64QAM	1	0		21.68		0 - 2	2
		1	12		21.91		0 - 2	2
		1	24		22.10		0 - 2	2
		12	0		20.64		0 - 3	3
		12	6		20.82		0 - 3	3
		12	11		20.99		0 - 3	3
		25	0		20.85		0 - 3	3
	256QAM	1	0		19.11		0 - 5	5
		1	12		19.20		0 - 5	5
		1	24		19.24		0 - 5	5
		12	0		18.99		0 - 5	5
		12	6		19.02		0 - 5	5
		12	11		18.91		0 - 5	5
		25	0		18.99		0 - 5	5

LTE Band 14_10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
					23330 Ch. 793 MHz			
10 MHz	QPSK	1	0		23.98		0	0
		1	24		23.86		0	0
		1	49		23.70		0	0
		25	0		22.96		0 - 1	1
		25	12		22.94		0 - 1	1
		25	24		22.95		0 - 1	1
		50	0		22.99		0 - 1	1
	16QAM	1	0		23.27		0 - 1	1
		1	24		23.24		0 - 1	1
		1	49		23.29		0 - 1	1
		25	0		21.95		0 - 2	2
		25	12		21.94		0 - 2	2
		25	24		22.00		0 - 2	2
		50	0		21.89		0 - 2	2
	64QAM	1	0		22.00		0 - 2	2
		1	24		22.02		0 - 2	2
		1	49		21.85		0 - 2	2
		25	0		20.64		0 - 3	3
		25	12		20.92		0 - 3	3
		25	24		20.96		0 - 3	3
		50	0		21.00		0 - 3	3
	256QAM	1	0		19.25		0 - 5	5
		1	24		18.82		0 - 5	5
		1	49		19.15		0 - 5	5
		25	0		18.98		0 - 5	5
		25	12		18.96		0 - 5	5
		25	24		19.00		0 - 5	5
		50	0		18.99		0 - 5	5

LTE Band 26 Conducted_Power

LTE Band 26_1.4 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26697 Ch. 814.7 MHz	26865 Ch. 831.5 MHz	27033 Ch. 848.3 MHz		
1.4 MHz	QPSK	1	0	23.70	23.80	23.69	0	0
		1	3	23.73	23.90	23.71	0	0
		1	5	23.60	23.90	23.58	0	0
		3	0	23.74	23.84	23.64	0 - 1	0
		3	1	23.85	23.88	23.54	0 - 1	0
		3	3	23.78	23.87	23.63	0 - 1	0
		6	0	22.93	22.92	22.77	0 - 1	1
	16QAM	1	0	23.19	23.02	22.94	0 - 1	1
		1	3	23.21	23.20	23.05	0 - 1	1
		1	5	23.12	23.18	22.90	0 - 1	1
		3	0	22.93	22.99	22.95	0 - 2	1
		3	1	23.02	23.11	22.98	0 - 2	1
		3	3	22.98	23.03	22.91	0 - 2	1
		6	0	21.99	21.98	21.98	0 - 2	2
	64QAM	1	0	22.16	22.19	21.15	0 - 2	2
		1	3	22.20	22.22	21.16	0 - 2	2
		1	5	22.02	22.19	21.04	0 - 2	2
		3	0	22.03	22.03	21.08	0 - 3	2
		3	1	22.18	22.01	21.05	0 - 3	2
		3	3	22.03	22.13	20.97	0 - 3	2
		6	0	21.16	21.04	20.01	0 - 3	3
	256QAM	1	0	19.01	19.04	19.07	0 - 5	5
		1	3	19.14	19.20	19.15	0 - 5	5
		1	5	18.93	19.16	18.87	0 - 5	5
		3	0	19.02	19.08	18.95	0 - 5	5
		3	1	19.04	19.04	18.99	0 - 5	5
		3	3	18.97	19.04	18.94	0 - 5	5
		6	0	19.02	18.90	18.95	0 - 5	5

LTE Band 26_3 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26705 Ch. 815.5 MHz	26865 Ch. 831.5 MHz	27025 Ch. 847.5 MHz		
3 MHz	QPSK	1	0	23.92	23.90	23.80	0	0
		1	7	23.75	23.93	23.68	0	0
		1	14	23.55	23.98	23.61	0	0
		8	0	22.94	23.03	22.84	0 - 1	1
		8	3	23.03	23.07	22.84	0 - 1	1
		8	7	22.86	23.08	22.92	0 - 1	1
		15	0	22.91	23.01	22.84	0 - 1	1
	16QAM	1	0	23.21	23.18	23.21	0 - 1	1
		1	7	23.14	23.27	22.96	0 - 1	1
		1	14	22.84	23.38	22.99	0 - 1	1
		8	0	22.03	22.11	22.02	0 - 2	2
		8	3	22.13	22.14	21.99	0 - 2	2
		8	7	21.98	22.17	21.99	0 - 2	2
		15	0	21.97	22.01	21.95	0 - 2	2
	64QAM	1	0	21.23	22.16	21.30	0 - 2	2
		1	7	21.13	22.32	21.06	0 - 2	2
		1	14	21.15	22.13	21.20	0 - 2	2
		8	0	20.19	21.15	20.11	0 - 3	3
		8	3	20.24	21.10	20.08	0 - 3	3
		8	7	20.09	21.04	20.05	0 - 3	3
		15	0	20.16	21.05	20.11	0 - 3	3
	256QAM	1	0	19.06	19.12	19.11	0 - 5	5
		1	7	19.04	19.22	19.05	0 - 5	5
		1	14	19.01	19.05	18.94	0 - 5	5
		8	0	19.01	19.01	19.00	0 - 5	5
		8	3	19.02	19.11	19.04	0 - 5	5
		8	7	19.01	19.12	18.94	0 - 5	5
		15	0	19.06	19.01	18.99	0 - 5	5

LTE Band 26_5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26715 Ch. 816.5 MHz	26865 Ch. 831.5 MHz	27015 Ch. 846.5 MHz		
5 MHz	QPSK	1	0	23.91	23.91	23.87	0	0
		1	12	23.84	24.04	23.74	0	0
		1	24	23.90	23.96	23.63	0	0
		12	0	23.01	23.10	22.95	0 - 1	1
		12	6	22.92	23.07	22.99	0 - 1	1
		12	11	22.79	23.08	22.96	0 - 1	1
		25	0	22.79	23.05	22.84	0 - 1	1
	16QAM	1	0	23.26	23.32	23.19	0 - 1	1
		1	12	22.90	23.43	23.25	0 - 1	1
		1	24	23.01	23.35	23.12	0 - 1	1
		12	0	22.08	22.18	22.11	0 - 2	2
		12	6	22.05	22.12	22.07	0 - 2	2
		12	11	21.92	22.12	22.01	0 - 2	2
		25	0	21.95	22.05	21.95	0 - 2	2
	64QAM	1	0	21.25	22.25	21.47	0 - 2	2
		1	12	21.11	22.21	21.21	0 - 2	2
		1	24	21.00	22.18	21.16	0 - 2	2
		12	0	20.14	21.15	20.19	0 - 3	3
		12	6	20.10	21.13	20.17	0 - 3	3
		12	11	19.96	21.14	20.09	0 - 3	3
		25	0	19.99	21.07	20.10	0 - 3	3
	256QAM	1	0	18.97	19.24	19.10	0 - 5	5
		1	12	19.20	19.23	19.24	0 - 5	5
		1	24	19.05	19.10	19.02	0 - 5	5
		12	0	19.06	19.06	18.97	0 - 5	5
		12	6	19.11	19.01	19.02	0 - 5	5
		12	11	19.07	19.06	18.99	0 - 5	5
		25	0	19.04	19.01	18.96	0 - 5	5

LTE Band 26_10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26740 Ch. 819 MHz	26865 Ch. 831.5 MHz	26990 Ch. 844 MHz		
10 MHz	QPSK	1	0	23.90	24.04	24.01	0	0
		1	24	23.90	24.03	23.82	0	0
		1	49	23.93	23.86	23.63	0	0
		25	0	22.87	23.07	22.98	0 - 1	1
		25	12	23.06	23.05	22.97	0 - 1	1
		25	24	22.95	23.11	22.78	0 - 1	1
		50	0	22.96	23.06	22.94	0 - 1	1
	16QAM	1	0	23.33	23.33	23.45	0 - 1	1
		1	24	23.49	23.44	23.30	0 - 1	1
		1	49	23.40	23.36	23.10	0 - 1	1
		25	0	21.98	22.11	22.06	0 - 2	2
		25	12	22.07	21.99	21.94	0 - 2	2
		25	24	22.05	22.08	21.97	0 - 2	2
		50	0	22.03	22.06	21.98	0 - 2	2
	64QAM	1	0	21.56	21.94	22.06	0 - 2	2
		1	24	21.69	22.33	21.51	0 - 2	2
		1	49	22.30	22.21	21.25	0 - 2	2
		25	0	20.10	21.08	20.74	0 - 3	3
		25	12	20.44	21.04	20.43	0 - 3	3
		25	24	20.86	21.06	20.09	0 - 3	3
		50	0	20.47	21.07	20.42	0 - 3	3
	256QAM	1	0	19.02	18.96	19.05	0 - 5	5
		1	24	18.90	19.19	19.07	0 - 5	5
		1	49	19.24	19.08	19.03	0 - 5	5
		25	0	18.96	19.04	19.02	0 - 5	5
		25	12	19.08	19.07	19.00	0 - 5	5
		25	24	19.02	19.05	19.05	0 - 5	5
		50	0	19.03	19.01	18.99	0 - 5	5

LTE Band 26_15 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
					26865 Ch. 831.5 MHz			
15 MHz	QPSK	1	0		23.99		0	0
		1	36		23.84		0	0
		1	74		23.87		0	0
		36	0		23.03		0 - 1	1
		36	18		22.98		0 - 1	1
		36	39		23.07		0 - 1	1
		75	0		22.99		0 - 1	1
	16QAM	1	0		23.17		0 - 1	1
		1	36		23.23		0 - 1	1
		1	74		23.22		0 - 1	1
		36	0		22.06		0 - 2	2
		36	18		22.02		0 - 2	2
		36	39		22.08		0 - 2	2
		75	0		21.95		0 - 2	2
	64QAM	1	0		21.98		0 - 2	2
		1	36		22.21		0 - 2	2
		1	74		22.11		0 - 2	2
		36	0		21.02		0 - 3	3
		36	18		21.00		0 - 3	3
		36	39		21.06		0 - 3	3
		75	0		21.00		0 - 3	3
	256QAM	1	0		19.08		0 - 5	5
		1	36		19.08		0 - 5	5
		1	74		19.16		0 - 5	5
		36	0		19.10		0 - 5	5
		36	18		18.99		0 - 5	5
		36	39		19.10		0 - 5	5
		75	0		19.02		0 - 5	5

LTE Band 66 Conducted_Power

LTE Band 66_1.4 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131979 Ch. 1710.7 MHz	132322 Ch. 1745 MHz	132665 Ch. 1779.3 MHz		
1.4 MHz	QPSK	1	0	23.03	22.90	22.84	0	0
		1	3	23.04	22.93	22.96	0	0
		1	5	23.01	22.91	22.91	0	0
		3	0	23.01	22.86	22.80	0 - 1	0
		3	1	23.10	22.98	22.90	0 - 1	0
		3	3	23.06	22.89	22.90	0 - 1	0
		6	0	22.10	21.94	21.94	0 - 1	1
	16QAM	1	0	22.32	22.28	22.11	0 - 1	1
		1	3	22.34	22.31	22.38	0 - 1	1
		1	5	22.29	22.39	22.25	0 - 1	1
		3	0	22.19	22.13	22.05	0 - 2	1
		3	1	22.14	22.15	22.05	0 - 2	1
		3	3	22.13	22.07	22.10	0 - 2	1
		6	0	21.15	21.01	21.05	0 - 2	2
	64QAM	1	0	21.33	21.16	21.02	0 - 2	2
		1	3	21.26	21.29	21.27	0 - 2	2
		1	5	21.11	21.14	21.17	0 - 2	2
		3	0	21.12	21.07	21.06	0 - 3	2
		3	1	21.25	21.09	21.06	0 - 3	2
		3	3	21.23	21.06	21.08	0 - 3	2
		6	0	20.17	19.99	20.04	0 - 3	3
	256QAM	1	0	18.23	18.11	18.01	0 - 5	5
		1	3	18.30	18.16	18.17	0 - 5	5
		1	5	18.22	18.17	18.10	0 - 5	5
		3	0	18.23	18.10	18.03	0 - 5	5
		3	1	18.29	18.22	18.16	0 - 5	5
		3	3	18.27	18.12	18.15	0 - 5	5
		6	0	18.19	18.06	17.94	0 - 5	5

LTE Band 66_3 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131987 Ch. 1711.5 MHz	132322 Ch. 1745 MHz	132657 Ch. 1778.5 MHz		
3 MHz	QPSK	1	0	23.05	22.92	22.94	0	0
		1	7	23.13	23.07	23.01	0	0
		1	14	23.03	22.95	22.98	0	0
		8	0	22.14	22.04	21.99	0 - 1	1
		8	3	22.18	22.09	22.06	0 - 1	1
		8	7	22.19	22.01	22.16	0 - 1	1
		15	0	22.15	22.06	22.03	0 - 1	1
	16QAM	1	0	22.31	22.23	22.30	0 - 1	1
		1	7	22.35	22.37	22.19	0 - 1	1
		1	14	22.38	22.34	22.33	0 - 1	1
		8	0	21.28	21.12	21.09	0 - 2	2
		8	3	21.28	21.20	21.14	0 - 2	2
		8	7	21.26	21.18	21.18	0 - 2	2
		15	0	21.18	21.15	21.06	0 - 2	2
	64QAM	1	0	21.26	21.20	21.18	0 - 2	2
		1	7	21.37	21.24	21.24	0 - 2	2
		1	14	21.29	21.26	21.27	0 - 2	2
		8	0	20.24	20.09	20.03	0 - 3	3
		8	3	20.27	20.09	20.08	0 - 3	3
		8	7	20.23	20.05	20.14	0 - 3	3
		15	0	20.28	20.09	20.06	0 - 3	3
	256QAM	1	0	18.26	18.13	18.18	0 - 5	5
		1	7	18.30	18.13	18.15	0 - 5	5
		1	14	18.26	18.21	18.13	0 - 5	5
		8	0	18.20	18.12	18.06	0 - 5	5
		8	3	18.29	18.10	18.07	0 - 5	5
		8	7	18.21	18.08	18.12	0 - 5	5
		15	0	18.22	18.08	18.08	0 - 5	5

LTE Band 66_5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131997 Ch. 1712.5 MHz	132322 Ch. 1745 MHz	132647 Ch. 1777.5 MHz		
5 MHz	QPSK	1	0	23.01	22.95	22.91	0	0
		1	12	23.10	23.01	23.03	0	0
		1	24	23.03	22.96	22.91	0	0
		12	0	22.13	21.98	21.99	0 - 1	1
		12	6	22.19	22.14	22.09	0 - 1	1
		12	11	22.17	22.03	22.06	0 - 1	1
		25	0	22.19	22.00	22.03	0 - 1	1
	16QAM	1	0	22.37	22.35	22.18	0 - 1	1
		1	12	22.31	22.32	22.31	0 - 1	1
		1	24	22.30	22.20	22.29	0 - 1	1
		12	0	21.20	21.12	21.04	0 - 2	2
		12	6	21.24	21.12	21.16	0 - 2	2
		12	11	21.17	21.15	21.08	0 - 2	2
		25	0	21.14	21.07	21.08	0 - 2	2
	64QAM	1	0	21.24	21.15	21.19	0 - 2	2
		1	12	21.33	21.21	21.21	0 - 2	2
		1	24	21.32	21.21	21.24	0 - 2	2
		12	0	20.21	20.06	20.09	0 - 3	3
		12	6	20.23	20.14	20.15	0 - 3	3
		12	11	20.23	20.10	20.14	0 - 3	3
		25	0	20.11	20.09	20.03	0 - 3	3
	256QAM	1	0	18.19	18.12	18.16	0 - 5	5
		1	12	18.27	18.30	18.18	0 - 5	5
		1	24	18.24	18.18	18.16	0 - 5	5
		12	0	18.20	18.02	18.00	0 - 5	5
		12	6	18.22	18.16	18.11	0 - 5	5
		12	11	18.20	18.13	18.11	0 - 5	5
		25	0	18.16	18.08	18.08	0 - 5	5

LTE Band 66_10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132022 Ch. 1715 MHz	132322 Ch. 1745 MHz	132622 Ch. 1775 MHz		
10 MHz	QPSK	1	0	23.10	23.12	22.90	0	0
		1	24	23.10	22.94	22.95	0	0
		1	49	23.13	22.94	22.80	0	0
		25	0	22.14	22.03	21.97	0 - 1	1
		25	12	22.16	22.06	22.11	0 - 1	1
		25	24	22.17	22.04	21.98	0 - 1	1
		50	0	22.19	22.14	22.08	0 - 1	1
	16QAM	1	0	22.38	22.22	22.28	0 - 1	1
		1	24	22.36	22.33	22.38	0 - 1	1
		1	49	22.36	22.35	22.37	0 - 1	1
		25	0	21.09	20.94	21.01	0 - 2	2
		25	12	21.22	21.07	21.08	0 - 2	2
		25	24	21.18	21.14	21.00	0 - 2	2
		50	0	21.06	21.14	21.13	0 - 2	2
	64QAM	1	0	21.21	21.05	21.16	0 - 2	2
		1	24	21.23	21.28	21.32	0 - 2	2
		1	49	21.31	21.21	21.19	0 - 2	2
		25	0	20.16	20.02	20.04	0 - 3	3
		25	12	20.21	20.13	20.15	0 - 3	3
		25	24	20.19	20.04	20.03	0 - 3	3
		50	0	20.22	20.12	20.04	0 - 3	3
	256QAM	1	0	18.23	18.17	18.15	0 - 5	5
		1	24	18.03	17.93	17.81	0 - 5	5
		1	49	18.28	18.26	18.14	0 - 5	5
		25	0	18.20	18.12	17.97	0 - 5	5
		25	12	18.23	18.01	18.14	0 - 5	5
		25	24	18.17	18.06	18.07	0 - 5	5
		50	0	18.22	18.09	18.12	0 - 5	5

LTE Band 66_15 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132047 Ch. 1717.5 MHz	132322 Ch. 1745 MHz	132597 Ch. 1772.5 MHz		
15 MHz	QPSK	1	0	23.01	22.94	22.99	0	0
		1	36	22.90	23.01	23.01	0	0
		1	74	22.99	22.91	22.95	0	0
		36	0	22.15	21.99	22.00	0 - 1	1
		36	18	22.26	22.02	22.02	0 - 1	1
		36	39	22.23	22.04	22.07	0 - 1	1
		75	0	22.18	22.12	22.10	0 - 1	1
	16QAM	1	0	22.29	22.19	22.34	0 - 1	1
		1	36	22.35	22.23	22.29	0 - 1	1
		1	74	22.39	22.23	22.34	0 - 1	1
		36	0	21.10	20.97	21.05	0 - 2	2
		36	18	21.22	21.05	20.96	0 - 2	2
		36	39	21.18	21.10	21.06	0 - 2	2
		75	0	21.27	21.12	21.08	0 - 2	2
	64QAM	1	0	21.20	21.19	21.15	0 - 2	2
		1	36	21.34	21.12	21.16	0 - 2	2
		1	74	21.23	21.03	21.28	0 - 2	2
		36	0	20.16	20.00	20.03	0 - 3	3
		36	18	20.26	20.01	20.05	0 - 3	3
		36	39	20.24	20.08	20.19	0 - 3	3
		75	0	20.23	20.12	20.07	0 - 3	3
	256QAM	1	0	18.18	18.11	18.05	0 - 5	5
		1	36	18.31	18.20	18.13	0 - 5	5
		1	74	18.28	18.09	18.20	0 - 5	5
		36	0	18.09	18.02	18.02	0 - 5	5
		36	18	18.20	18.12	18.00	0 - 5	5
		36	39	18.24	18.16	18.17	0 - 5	5
		75	0	18.26	18.07	18.15	0 - 5	5

LTE Band 66_20 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132072 Ch. 1720 MHz	132322 Ch. 1745 MHz	132572 Ch. 1770 MHz		
20 MHz	QPSK	1	0	23.12	23.13	23.06	0	0
		1	49	23.01	23.08	23.05	0	0
		1	99	23.03	23.02	23.02	0	0
		50	0	22.12	22.14	22.05	0 - 1	1
		50	25	22.23	22.25	22.15	0 - 1	1
		50	49	22.15	22.12	22.16	0 - 1	1
		100	0	22.19	22.15	22.15	0 - 1	1
	16QAM	1	0	22.33	22.35	22.36	0 - 1	1
		1	49	22.35	22.21	22.36	0 - 1	1
		1	99	22.31	22.39	22.37	0 - 1	1
		50	0	21.11	21.09	21.06	0 - 2	2
		50	25	21.24	21.19	21.12	0 - 2	2
		50	49	21.16	21.17	21.13	0 - 2	2
		100	0	21.24	21.17	21.24	0 - 2	2
	64QAM	1	0	21.35	21.23	21.31	0 - 2	2
		1	49	21.32	21.27	21.28	0 - 2	2
		1	99	21.26	21.20	21.31	0 - 2	2
		50	0	20.16	20.14	20.04	0 - 3	3
		50	25	20.24	20.22	20.15	0 - 3	3
		50	49	20.24	20.10	20.16	0 - 3	3
		100	0	20.22	20.12	20.20	0 - 3	3
	256QAM	1	0	18.13	18.20	18.26	0 - 5	5
		1	49	18.26	18.19	18.27	0 - 5	5
		1	99	18.33	18.26	18.18	0 - 5	5
		50	0	18.27	18.05	18.18	0 - 5	5
		50	25	18.22	18.18	18.22	0 - 5	5
		50	49	18.27	18.03	18.23	0 - 5	5
		100	0	18.26	18.18	18.16	0 - 5	5

LTE Uplink Carrier Aggregation Conducted Output Power

Combination	PCC							SCC						Tx Power	
	Band	BW	PCC UL Channel	PCC UL Frequency	Mode	RB	offset	Band	BW	SCC UL Channel	SCC UL Frequency	RB	offset	LTE Single Carrier Tx Power (dBm)	LTE Tx Power with U L CA Enabled(dBm)
ULCA_5B	5	10	20525	836.5	QPSK	1	0	5	10	20426	826.6	1	99	24.52	24.5
ULCA_7C	7	20	21350	2560	QPSK	1	0	7	20	21152	2540.2	1	99	24.27	24.24
ULCA_66B	66	10	132322	1745	QPSK	1	0	66	10	132223	1735.1	1	99	23.13	23.1
ULCA_66C	66	20	132322	1745	QPSK	1	0	66	20	132124	1725.2	1	99	23.12	23.12

10.3 NR Maximum Output Power

Only the Conducted Power measurement results of the maximum bandwidth, which is the SAR test condition of NR Bands according to FCC KDB 941225 D05v02r05, are included, and the measurement results of other bandwidths are listed in Appendix K.

NR Band n2 Conducted_Power

NR Band n2_5 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						370500 Ch. 1852.5 MHz	376000 Ch. 1880 MHz	381500 Ch. 1907.5 MHz	
5 MHz	15	DFT-s	pi/2 BPSK	1	1	24.29	24.36	23.99	0
				1	13	24.30	24.63	24.02	0
				1	23	24.35	24.59	23.84	0
				12	0	23.81	24.18	23.56	0.5
				12	7	24.31	24.45	24.06	0
				12	13	23.86	24.22	23.62	0.5
				25	0	23.62	24.08	23.78	0.5
			QPSK	1	1	24.10	24.37	23.99	0
				1	13	24.27	24.55	23.96	0
				1	23	24.22	24.46	23.75	0
				12	0	23.22	23.72	23.24	1
				12	7	24.38	24.59	24.08	0
				12	13	23.37	23.71	23.15	1
				25	0	23.35	23.69	23.81	1
			16QAM	1	1	23.13	23.64	23.19	1
			64QAM	1	1	21.73	22.12	21.82	2.5
			256QAM	1	1	19.86	20.20	19.95	4.5
		CP	QPSK	1	1	22.82	23.20	22.85	1.5

NR Band n2_10 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						371000 Ch. 1855 MHz	376000 Ch. 1880 MHz	381000 Ch. 1905 MHz	
10 MHz	15	DFT-s	pi/2 BPSK	1	1	24.42	24.12	23.78	0
				1	26	24.42	24.66	24.13	0
				1	50	24.29	24.45	23.62	0
				25	0	23.93	24.20	23.68	0.5
				25	14	24.06	24.43	24.00	0
				25	27	23.92	24.23	23.57	0.5
				50	0	23.06	24.04	23.51	0.5
			QPSK	1	1	23.50	24.16	23.66	0
				1	26	24.09	24.71	24.20	0
				1	50	23.39	24.54	23.48	0
				25	0	23.41	23.69	23.77	1
				25	14	24.42	24.69	24.28	0
				25	27	23.46	23.76	23.67	1
				50	0	23.43	23.73	23.64	1
			16QAM	1	1	23.26	23.36	22.86	1
			64QAM	1	1	21.87	22.06	21.88	2.5
			256QAM	1	1	19.85	20.25	20.01	4.5
		CP	QPSK	1	1	22.83	22.93	22.52	1.5

NR Band n2_15 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						371500 Ch. 1857.5 MHz	376000 Ch. 1880 MHz	380500 Ch. 1902.5 MHz	
15 MHz	15	DFT-s	pi/2 BPSK	1	1	24.54	24.46	24.21	0
				1	40	24.47	24.69	23.97	0
				1	77	24.64	24.92	23.73	0
				36	0	19.39	22.76	22.66	0.5
				36	22	24.54	24.56	24.14	0
				36	43	22.60	22.86	22.80	0.5
				75	0	23.47	24.00	23.52	0.5
			QPSK	1	1	23.93	24.28	23.81	0
				1	40	23.78	24.40	23.82	0
				1	77	23.85	24.77	23.42	0
				36	0	23.53	23.75	23.75	1
				36	22	24.21	24.47	24.03	0
				36	43	23.55	23.92	23.54	1
				75	0	23.53	23.80	23.45	1
			16QAM	1	1	23.43	23.47	23.19	1
			64QAM	1	1	21.91	22.17	22.30	2.5
			256QAM	1	1	19.84	20.21	20.34	4.5
		CP	QPSK	1	1	22.91	23.17	22.75	1.5

NR Band n2_20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						372000 Ch. 1860 MHz	376000 Ch. 1880 MHz	380000 Ch. 1900 MHz	
20 MHz	15	DFT-s	pi/2 BPSK	1	1	23.88	24.45	24.67	0
				1	53	24.51	24.84	24.26	0
				1	104	23.95	24.71	23.71	0
				50	0	22.96	23.35	23.16	0.5
				50	28	23.81	23.70	23.98	0
				50	56	22.66	23.28	23.28	0.5
				100	0	23.40	23.85	23.49	0.5
			QPSK	1	1	23.73	23.76	23.53	0
				1	53	24.31	24.41	23.62	0
				1	104	23.77	24.42	23.55	0
				50	0	23.45	23.69	23.81	1
				50	28	24.48	24.62	24.08	0
				50	56	23.62	23.91	23.59	1
				100	0	23.61	23.72	23.24	1
			16QAM	1	1	23.33	23.19	22.97	1
			64QAM	1	1	21.93	22.20	22.34	2.5
			256QAM	1	1	19.97	20.28	20.35	4.5
		CP	QPSK	1	1	22.96	22.91	23.01	1.5

NR Band n5 Conducted_Power

NR Band n5_5 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						165300 Ch. 826.5 MHz	167300 Ch. 836.5 MHz	169300 Ch. 846.5 MHz	
5 MHz	15	DFT-s	pi/2 BPSK	1	1	24.33	24.30	24.27	0
				1	13	24.16	24.24	24.32	0
				1	23	24.18	24.20	24.22	0
				12	0	23.73	23.77	23.64	0.5
				12	7	24.20	24.28	24.06	0
				12	13	23.71	23.70	23.72	0.5
				25	0	23.72	23.81	23.75	0.5
			QPSK	1	1	24.22	24.26	24.21	0
				1	13	24.29	24.40	24.18	0
				1	23	24.14	24.19	24.22	0
				12	0	23.30	23.24	23.29	1
				12	7	24.19	24.26	24.29	0
				12	13	23.24	23.26	23.24	1
				25	0	23.18	23.31	23.23	1
			16QAM	1	1	23.31	23.38	23.27	1
			64QAM	1	1	21.85	21.86	21.73	2.5
			256QAM	1	1	19.77	19.86	19.80	4.5
		CP	QPSK	1	1	22.77	22.80	22.80	1.5

NR Band n5_10 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]		MPR [dB]
							167300 Ch. 836.5 MHz	
10 MHz	15	DFT-s	pi/2 BPSK	1	1		24.25	0
				1	26		24.26	0
				1	50		24.20	0
				25	0		23.73	0.5
				25	14		24.27	0
				25	27		23.70	0.5
				50	0		23.78	0.5
			QPSK	1	1		24.26	0
				1	26		24.23	0
				1	50		24.13	0
				25	0		23.27	1
				25	14		24.26	0
				25	27		23.17	1
				50	0		23.32	1
			16QAM	1	1		23.26	1
			64QAM	1	1		21.77	2.5
			256QAM	1	1		19.76	4.5
		CP	QPSK	1	1		22.76	1.5

NR Band n5_15 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
							167300 Ch. 836.5 MHz		
15 MHz	15	DFT-s	pi/2 BPSK	1	1		24.35		0
				1	40		24.36		0
				1	77		24.28		0
				36	0		23.92		0.5
				36	22		24.33		0
				36	43		23.74		0.5
				75	0		23.83		0.5
			QPSK	1	1		24.28		0
				1	40		24.30		0
				1	77		24.31		0
				36	0		23.33		1
				36	22		24.33		0
				36	43		23.28		1
				75	0		23.37		1
			16QAM	1	1		23.34		1
			64QAM	1	1		21.92		2.5
			256QAM	1	1		19.99		4.5
		CP	QPSK	1	1		22.90		1.5

NR Band n5_20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]		MPR [dB]
							167300 Ch. 836.5 MHz	
20 MHz	15	DFT-s	pi/2 BPSK	1	1		24.23	0
				1	53		24.29	0
				1	104		23.85	0
				50	0		23.84	0.5
				50	28		24.33	0
				50	56		23.78	0.5
				100	0		23.83	0.5
			QPSK	1	1		24.20	0
				1	53		24.27	0
				1	104		24.14	0
				50	0		23.29	1
				50	28		24.33	0
				50	56		23.25	1
				100	0		23.37	1
			16QAM	1	1		23.21	1
			64QAM	1	1		21.70	2.5
			256QAM	1	1		19.88	4.5
		CP	QPSK	1	1		22.83	1.5

NR Band n7 Conducted_Power

NR Band n7_5 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						500500 Ch. 2502.5 MHz	507000 Ch. 2535 MHz	513500 Ch. 2567.5 MHz	
5 MHz	15	DFT-s	pi/2 BPSK	1	1	24.08	23.93	23.84	0
				1	13	24.19	24.04	23.78	0
				1	23	24.19	23.95	23.82	0
				12	0	23.67	23.47	23.26	0.5
				12	7	24.14	23.92	23.84	0
				12	13	23.76	23.43	23.25	0.5
				25	0	23.65	23.45	23.29	0.5
			QPSK	1	1	24.04	23.93	23.66	0
				1	13	24.07	23.83	23.67	0
				1	23	23.97	23.86	23.78	0
				12	0	23.19	22.98	22.83	1
				12	7	24.15	23.92	23.75	0
				12	13	23.28	22.94	22.81	1
				25	0	23.17	22.97	22.78	1
			16QAM	1	1	23.07	22.94	22.58	1
			64QAM	1	1	21.55	21.47	21.24	2.5
			256QAM	1	1	19.62	19.58	19.32	4.5
		CP	QPSK	1	1	22.56	22.57	22.22	1.5

NR Band n7_10 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						501000 Ch. 2505 MHz	507000 Ch. 2535 MHz	513000 Ch. 2565 MHz	
10 MHz	15	DFT-s	pi/2 BPSK	1	1	24.06	24.01	23.82	0
				1	26	24.07	24.02	23.78	0
				1	50	24.04	23.89	23.80	0
				25	0	23.56	23.50	23.21	0.5
				25	14	24.11	23.92	23.78	0
				25	27	23.62	23.39	23.18	0.5
				50	0	23.61	23.45	23.24	0.5
			QPSK	1	1	23.96	23.94	23.68	0
				1	26	23.98	23.82	23.67	0
				1	50	23.97	23.87	23.61	0
				25	0	22.98	22.97	22.73	1
				25	14	24.18	23.97	23.72	0
				25	27	23.10	22.93	22.74	1
				50	0	23.09	22.98	22.74	1
			16QAM	1	1	22.93	22.98	22.68	1
			64QAM	1	1	21.52	21.46	21.24	2.5
			256QAM	1	1	19.57	19.59	19.35	4.5
		CP	QPSK	1	1	22.58	22.46	22.30	1.5

NR Band n7_15 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						501500 Ch. 2507.5 MHz	507000 Ch. 2535 MHz	512500 Ch. 2562.5 MHz	
15 MHz	15	DFT-s	pi/2 BPSK	1	1	24.12	24.16	24.06	0
				1	40	24.31	24.07	23.96	0
				1	77	24.38	23.96	24.01	0
				36	0	23.84	23.68	23.55	0.5
				36	22	24.31	24.04	24.02	0
				36	43	23.76	23.56	23.56	0.5
				75	0	23.76	23.61	23.54	0.5
			QPSK	1	1	24.19	24.21	24.06	0
				1	40	24.32	24.09	23.98	0
				1	77	24.21	23.95	24.01	0
				36	0	23.22	23.16	23.07	1
				36	22	24.30	24.07	24.01	0
				36	43	23.31	23.03	23.01	1
				75	0	23.17	23.08	23.07	1
			16QAM	1	1	23.14	23.08	23.00	1
			64QAM	1	1	21.78	21.65	21.58	2.5
			256QAM	1	1	19.67	19.79	19.63	4.5
		CP	QPSK	1	1	22.77	22.70	22.47	1.5

NR Band n7_20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						502000 Ch. 2510 MHz	507000 Ch. 2535 MHz	512000 Ch. 2560 MHz	
20 MHz	15	DFT-s	pi/2 BPSK	1	1	24.28	24.22	24.07	0
				1	53	24.26	24.17	23.95	0
				1	104	24.31	24.00	24.06	0
				50	0	23.83	23.64	23.44	0.5
				50	28	24.26	24.10	23.94	0
				50	56	23.83	23.49	23.48	0.5
				100	0	23.78	23.59	23.48	0.5
			QPSK	1	1	24.18	24.12	23.95	0
				1	53	24.25	24.02	23.94	0
				1	104	24.30	23.85	23.97	0
				50	0	23.32	23.17	22.98	1
				50	28	24.31	24.09	23.98	0
				50	56	23.41	23.02	22.94	1
				100	0	23.30	23.09	22.99	1
			16QAM	1	1	23.13	23.15	23.01	1
			64QAM	1	1	21.68	21.66	21.48	2.5
			256QAM	1	1	19.62	19.62	19.56	4.5
		CP	QPSK	1	1	22.78	22.54	22.49	1.5

NR Band n12 Conducted_Power

NR Band n12_5 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						140300 Ch. 701.5 MHz	141500 Ch. 707.5 MHz	142700 Ch. 713.5 MHz	
5 MHz	15	DFT-s	pi/2 BPSK	1	1	23.53	23.43	23.12	0
				1	13	23.45	23.30	23.03	0
				1	23	23.26	23.18	22.96	0
				12	0	23.02	22.86	22.63	0.5
				12	7	23.39	23.28	23.04	0
				12	13	22.84	22.75	22.51	0.5
				25	0	22.97	22.79	22.59	0.5
			QPSK	1	1	23.45	23.39	23.14	0
				1	13	23.47	23.30	22.91	0
				1	23	23.36	23.14	22.95	0
				12	0	22.52	22.42	22.18	1
				12	7	23.41	23.27	23.06	0
				12	13	22.39	22.23	22.03	1
				25	0	22.44	22.32	22.06	1
			16QAM	1	1	22.52	22.35	22.14	1
			64QAM	1	1	21.05	20.90	20.70	2.5
			256QAM	1	1	19.18	19.01	18.78	4.5
		CP	QPSK	1	1	21.90	21.93	21.79	1.5

NR Band n12_10 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
							141500 Ch. 707.5 MHz		
10 MHz	15	DFT-s	pi/2 BPSK	1	1		23.38		0
				1	26		23.22		0
				1	50		23.09		0
				25	0		22.92		0.5
				25	14		23.31		0
				25	27		22.77		0.5
				50	0		22.85		0.5
			QPSK	1	1		23.37		0
				1	26		23.23		0
				1	50		23.05		0
				25	0		22.45		1
				25	14		23.30		0
				25	27		22.23		1
				50	0		22.32		1
			16QAM	1	1		22.33		1
			64QAM	1	1		21.00		2.5
			256QAM	1	1		18.98		4.5
		CP	QPSK	1	1		21.88		1.5

NR Band n12_15 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
							141500 Ch. 707.5 MHz		
15 MHz	15	DFT-s	pi/2 BPSK	1	1		22.62		0
				1	40		22.85		0
				1	77		22.67		0
				36	0		23.05		0.5
				36	22		23.44		0
				36	43		22.84		0.5
				75	0		22.89		0.5
			QPSK	1	1		23.52		0
				1	40		23.31		0
				1	77		23.23		0
				36	0		22.55		1
				36	22		23.40		0
				36	43		22.29		1
				75	0		22.45		1
			16QAM	1	1		22.58		1
			64QAM	1	1		21.15		2.5
			256QAM	1	1		19.11		4.5
		CP	QPSK	1	1		22.14		1.5

NR Band n13 Conducted_Power

NR Band n13_5 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
							156400 Ch. 782 MHz		
5 MHz	15	DFT-s	pi/2 BPSK	1	1		22.96		0
				1	13		23.04		0
				1	23		22.99		0
				12	0		22.51		0.5
				12	7		23.04		0
				12	13		22.52		0.5
				25	0		22.50		0.5
			QPSK	1	1		22.93		0
				1	13		22.91		0
				1	23		22.85		0
				12	0		22.03		1
				12	7		23.02		0
				12	13		22.08		1
				25	0		22.10		1
			16QAM	1	1		21.87		1
			64QAM	1	1		20.55		2.5
			256QAM	1	1		18.59		4
		CP	QPSK	1	1		21.64		1.5

NR Band n13_10 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
							156400 Ch. 782 MHz		
10 MHz	15	DFT-s	pi/2 BPSK	1	1		23.04		0
				1	26		23.05		0
				1	50		22.81		0
				25	0		22.63		0.5
				25	14		23.05		0
				25	27		22.39		0.5
				50	0		22.39		0.5
			QPSK	1	1		23.05		0
				1	26		23.06		0
				1	50		23.01		0
				25	0		22.03		1
				25	14		23.02		0
				25	27		22.05		1
				50	0		22.03		1
			16QAM	1	1		21.86		1
			64QAM	1	1		20.40		2.5
			256QAM	1	1		19.05		4
		CP	QPSK	1	1		21.55		1.5

NR Band n14 Conducted_Power

NR Band n14_5 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
							158600 Ch. 793 MHz		
5 MHz	15	DFT-s	pi/2 BPSK	1	1		23.37		0
				1	13		23.47		0
				1	23		23.40		0
				12	0		22.98		0.5
				12	7		23.44		0
				12	13		22.91		0.5
				25	0		22.92		0.5
			QPSK	1	1		23.31		0
				1	13		23.46		0
				1	23		23.45		0
				12	0		22.48		1
				12	7		23.46		0
				12	13		22.42		1
				25	0		22.45		1
			16QAM	1	1		22.39		1
			64QAM	1	1		20.91		2.5
			256QAM	1	1		18.86		4.5
		CP	QPSK	1	1		21.94		1.5

NR Band n14_10 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
							158600 Ch. 793 MHz		
10 MHz	15	DFT-s	pi/2 BPSK	1	1		23.47		0
				1	26		23.47		0
				1	50		23.32		0
				25	0		22.81		0.5
				25	14		23.36		0
				25	27		22.86		0.5
				50	0		22.76		0.5
			QPSK	1	1		23.31		0
				1	26		23.39		0
				1	50		23.36		0
				25	0		22.34		1
				25	14		23.40		0
				25	27		22.39		1
				50	0		22.37		1
			16QAM	1	1		22.45		1
			64QAM	1	1		20.83		2.5
			256QAM	1	1		18.96		4.5
		CP	QPSK	1	1		21.95		1.5

NR Band n25 Conducted_Power

NR Band n25_5 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						370500 Ch. 1852.5 MHz	376500 Ch. 1882.5 MHz	382500 Ch. 1912.5 MHz	
5 MHz	15	DFT-s	pi/2 BPSK	1	1	23.34	23.59	23.16	0
				1	13	23.35	23.61	22.90	0
				1	23	23.37	23.62	22.59	0
				12	0	22.80	23.13	22.58	0.5
				12	7	23.37	23.49	22.84	0
				12	13	22.86	23.20	22.21	0.5
				25	0	22.86	23.20	22.81	0.5
			QPSK	1	1	23.25	23.58	22.88	0
				1	13	23.35	23.58	22.81	0
				1	23	23.28	23.60	22.54	0
				12	0	22.28	22.64	22.13	1
				12	7	23.27	23.61	22.91	0
				12	13	22.40	22.77	21.92	1
				25	0	22.33	22.67	22.28	1
			16QAM	1	1	22.34	22.53	22.16	1
			64QAM	1	1	20.64	21.18	20.72	2.5
			256QAM	1	1	18.89	19.07	19.13	4.5
		CP	QPSK	1	1	21.80	22.16	21.63	1.5

NR Band n25_10 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						371000 Ch. 1855 MHz	376500 Ch. 1882.5 MHz	382000 Ch. 1910 MHz	
10 MHz	15	DFT-s	pi/2 BPSK	1	1	23.53	23.30	23.06	0
				1	26	23.44	23.55	23.22	0
				1	50	23.38	23.54	23.55	0
				25	0	22.96	23.19	22.82	0.5
				25	14	23.45	23.55	23.13	0
				25	27	22.94	23.25	22.45	0.5
				50	0	22.96	23.12	22.72	0.5
			QPSK	1	1	23.32	23.13	22.86	0
				1	26	23.47	23.54	23.11	0
				1	50	23.28	23.48	22.59	0
				25	0	22.36	22.53	22.77	1
				25	14	23.46	23.58	23.19	0
				25	27	22.49	22.69	22.45	1
				50	0	22.37	22.72	22.63	1
			16QAM	1	1	22.44	22.36	21.98	1
			64QAM	1	1	21.05	21.01	21.13	2.5
			256QAM	1	1	19.03	19.07	19.41	4.5
		CP	QPSK	1	1	21.94	21.97	21.45	1.5

NR Band n25_15 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						371500 Ch. 1857.5 MHz	376500 Ch. 1882.5 MHz	381500 Ch. 1907.5 MHz	
15 MHz	15	DFT-s	pi/2 BPSK	1	1	23.48	23.56	23.19	0
				1	40	23.48	23.57	23.36	0
				1	77	23.62	23.57	22.69	0
				36	0	22.80	22.98	22.68	0.5
				36	22	23.57	23.54	23.32	0
				36	43	22.92	23.00	22.43	0.5
				75	0	23.08	23.18	23.02	0.5
			QPSK	1	1	23.43	23.46	23.14	0
				1	40	23.59	23.55	23.21	0
				1	77	23.50	23.53	22.65	0
				36	0	22.53	22.74	22.86	1
				36	22	23.46	23.57	23.20	0
				36	43	22.54	22.88	22.55	1
				75	0	22.49	22.72	22.58	1
			16QAM	1	1	22.47	22.57	22.25	1
			64QAM	1	1	21.04	20.93	21.40	2.5
			256QAM	1	1	19.20	19.18	19.48	4.5
		CP	QPSK	1	1	22.04	22.12	21.70	1.5

NR Band n25_20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						372000 Ch. 1860 MHz	376500 Ch. 1882.5 MHz	381000 Ch. 1905 MHz	
20 MHz	15	DFT-s	pi/2 BPSK	1	1	23.50	23.45	23.45	0
				1	53	23.51	23.50	23.37	0
				1	104	23.54	23.55	23.05	0
				50	0	22.99	23.06	22.77	0.5
				50	28	23.50	23.62	23.25	0
				50	56	22.89	23.07	22.61	0.5
				100	0	22.99	23.16	23.14	0.5
			QPSK	1	1	23.52	23.18	23.32	0
				1	53	23.54	23.62	23.42	0
				1	104	23.41	23.55	23.05	0
				50	0	22.45	22.75	22.86	1
				50	28	23.53	23.61	23.29	0
				50	56	22.49	22.90	22.65	1
				100	0	22.57	22.78	22.69	1
			16QAM	1	1	22.53	22.21	22.32	1
			64QAM	1	1	21.13	21.11	21.43	2.5
			256QAM	1	1	19.10	19.08	19.42	4.5
		CP	QPSK	1	1	22.10	22.12	21.99	1.5

NR Band n26 Conducted_Power

NR Band n26_5 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						163300 Ch. 816.5 MHz	166300 Ch. 831.5 MHz	169300 Ch. 846.5 MHz	
5 MHz	15	DFT-s	pi/2 BPSK	1	1	23.55	23.84	23.56	0
				1	13	23.59	23.60	23.58	0
				1	23	23.58	23.85	23.53	0
				12	0	23.28	23.23	23.00	0.5
				12	7	23.58	23.44	23.46	0
				12	13	23.12	23.23	23.27	0.5
				25	0	23.22	23.21	23.34	0.5
			QPSK	1	1	23.59	23.35	23.52	0
				1	13	23.50	23.66	23.52	0
				1	23	23.37	23.49	23.59	0
				12	0	22.86	23.00	22.73	1
				12	7	23.53	23.63	23.51	0
				12	13	22.70	22.82	22.80	1
				25	0	22.80	22.83	22.83	1
			16QAM	1	1	22.75	22.78	22.90	1
			64QAM	1	1	21.44	21.30	21.36	2.5
			256QAM	1	1	19.45	19.44	19.40	4.5
		CP	QPSK	1	1	22.26	22.22	22.25	1.5

NR Band n26_10 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						163800 Ch. 819 MHz	166300 Ch. 831.5 MHz	168800 Ch. 844 MHz	
10 MHz	15	DFT-s	pi/2 BPSK	1	1	23.71	23.62	23.69	0
				1	26	23.75	23.58	23.69	0
				1	50	23.75	23.81	23.71	0
				25	0	23.26	23.37	23.27	0.5
				25	14	23.45	23.64	23.63	0
				25	27	23.23	23.08	23.11	0.5
				50	0	22.91	23.43	23.20	0.5
			QPSK	1	1	23.75	23.70	23.71	0
				1	26	23.71	23.65	23.66	0
				1	50	23.68	23.81	23.62	0
				25	0	22.76	22.83	22.75	1
				25	14	23.70	23.69	23.71	0
				25	27	22.71	22.77	22.64	1
				50	0	22.71	22.66	22.73	1
			16QAM	1	1	22.71	22.67	22.78	1
			64QAM	1	1	21.28	21.43	21.16	2.5
			256QAM	1	1	19.30	19.29	19.26	4.5
		CP	QPSK	1	1	22.25	22.31	22.24	1.5

NR Band n26_15 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]		MPR [dB]	
						164300 Ch. 821.5 MHz	168300 Ch. 841.5 MHz		
15 MHz	15	DFT-s	pi/2 BPSK	1	1	23.75		23.66	0
				1	40	23.76		23.65	0
				1	77	23.78		23.65	0
				36	0	23.33		23.30	0.5
				36	22	23.72		23.63	0
				36	43	23.32		23.19	0.5
				75	0	23.35		23.19	0.5
			QPSK	1	1	23.71		23.72	0
				1	40	23.73		23.62	0
				1	77	23.72		23.65	0
				36	0	22.81		22.80	1
				36	22	23.75		23.66	0
				36	43	22.76		22.74	1
				75	0	22.85		22.73	1
			16QAM	1	1	22.76		22.68	1
			64QAM	1	1	21.26		21.18	2.5
			256QAM	1	1	18.62		19.25	4.5
		CP	QPSK	1	1	22.19		22.33	1.5

NR Band n26_20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
							166300 Ch. 831.5 MHz		
20 MHz	15	DFT-s	pi/2 BPSK	1	1		23.60		0
				1	53		23.62		0
				1	104		23.59		0
				50	0		23.19		0.5
				50	28		23.71		0
				50	56		23.17		0.5
				100	0		23.32		0.5
			QPSK	1	1		23.67		0
				1	53		23.64		0
				1	104		23.58		0
				50	0		22.75		1
				50	28		23.79		0
				50	56		22.53		1
				100	0		22.78		1
			16QAM	1	1		22.69		1
			64QAM	1	1		21.10		2.5
			256QAM	1	1		19.23		4.5
		CP	QPSK	1	1		22.33		1.5

NR Band n66 Conducted_Power

NR Band n66_5 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						342500 Ch. 1712.5 MHz	349000 Ch. 1745 MHz	355500 Ch. 1777.5 MHz	
5 MHz	15	DFT-s	pi/2 BPSK	1	1	23.29	22.99	23.11	0
				1	13	23.35	22.95	23.17	0
				1	23	23.26	22.98	23.11	0
				12	0	22.83	22.48	22.64	0.5
				12	7	23.35	23.00	23.15	0
				12	13	22.86	22.50	22.61	0.5
				25	0	22.79	22.50	22.61	0.5
			QPSK	1	1	23.48	22.93	23.10	0
				1	13	23.21	22.91	23.10	0
				1	23	23.17	23.10	23.04	0
				12	0	22.38	22.04	22.14	1
				12	7	23.35	22.98	23.06	0
				12	13	22.35	21.96	22.16	1
				25	0	22.39	22.02	22.06	1
			16QAM	1	1	22.42	22.00	22.07	1
			64QAM	1	1	20.97	20.46	20.58	2.5
			256QAM	1	1	18.83	18.47	18.66	4.5
		CP	QPSK	1	1	21.97	21.60	21.47	1.5

NR Band n66_10 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						343000 Ch. 1715 MHz	349000 Ch. 1745 MHz	355000 Ch. 1775 MHz	
10 MHz	15	DFT-s	pi/2 BPSK	1	1	23.45	23.01	23.13	0
				1	26	23.40	23.03	23.23	0
				1	50	23.29	23.03	23.16	0
				25	0	22.98	22.52	22.65	0.5
				25	14	23.40	23.07	23.19	0
				25	27	22.90	22.49	22.68	0.5
				50	0	22.88	22.50	22.72	0.5
			QPSK	1	1	23.42	22.97	23.02	0
				1	26	23.32	22.92	23.18	0
				1	50	23.32	22.91	23.12	0
				25	0	22.45	22.04	22.06	1
				25	14	23.42	23.02	23.10	0
				25	27	22.39	21.99	22.06	1
				50	0	22.43	22.02	22.11	1
			16QAM	1	1	22.45	22.05	22.06	1
			64QAM	1	1	20.92	20.56	20.57	2.5
			256QAM	1	1	18.97	18.57	18.66	4.5
		CP	QPSK	1	1	21.83	21.61	21.65	1.5

NR Band n66_15 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						343500 Ch. 1717.5 MHz	349000 Ch. 1745 MHz	354500 Ch. 1772.5 MHz	
15 MHz	15	DFT-s	pi/2 BPSK	1	1	23.45	23.14	22.96	0
				1	40	23.37	23.06	22.89	0
				1	77	23.34	23.10	22.95	0
				36	0	22.92	22.60	22.47	0.5
				36	22	23.32	23.09	22.97	0
				36	43	22.90	22.57	22.52	0.5
				75	0	22.92	22.56	22.52	0.5
			QPSK	1	1	23.46	23.01	22.88	0
				1	40	23.13	23.08	22.83	0
				1	77	23.33	23.00	23.01	0
				36	0	22.41	22.21	21.96	1
				36	22	23.34	23.09	22.97	0
				36	43	22.28	22.07	22.02	1
				75	0	22.32	22.15	22.00	1
			16QAM	1	1	22.47	22.07	21.90	1
			64QAM	1	1	20.99	20.57	20.38	2.5
			256QAM	1	1	18.89	18.60	18.44	4.5
		CP	QPSK	1	1	21.84	21.61	21.38	1.5

NR Band n66_20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						344000 Ch. 1720 MHz	349000 Ch. 1745 MHz	354000 Ch. 1770 MHz	
20 MHz	15	DFT-s	pi/2 BPSK	1	1	23.46	23.12	23.02	0
				1	53	23.32	23.03	22.93	0
				1	104	23.15	23.05	23.02	0
				50	0	22.78	22.64	22.46	0.5
				50	28	23.32	23.10	22.97	0
				50	56	22.81	22.56	22.52	0.5
				100	0	22.88	22.60	22.49	0.5
			QPSK	1	1	23.32	23.13	22.98	0
				1	53	23.24	22.90	22.85	0
				1	104	23.16	22.99	23.03	0
				50	0	22.35	22.06	22.00	1
				50	28	23.23	23.08	22.95	0
				50	56	22.29	22.07	22.05	1
				100	0	22.27	22.11	22.01	1
			16QAM	1	1	22.32	22.19	22.02	1
			64QAM	1	1	20.89	20.66	20.50	2.5
			256QAM	1	1	18.89	18.57	18.59	4.5
		CP	QPSK	1	1	21.96	21.70	21.52	1.5

NR Band n66_40 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
							349000 Ch. 1745 MHz		
40 MHz	15	DFT-s	pi/2 BPSK	1	1		23.26		0
				1	108		23.11		0
				1	214		23.15		0
				108	0		22.75		0.5
				108	54		23.08		0
				108	108		22.73		0.5
				216	0		22.63		0.5
			QPSK	1	1		23.40		0
				1	108		23.00		0
				1	214		22.97		0
				108	0		22.23		1
				108	54		23.26		0
				108	108		22.20		1
				216	0		22.15		1
			16QAM	1	1		22.18		1
			64QAM	1	1		20.63		2.5
			256QAM	1	1		18.91		4.5
		CP	QPSK	1	1		21.91		1.5

NR Band n71 Conducted_Power

NR Band n71_5 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						133100 Ch. 665.5 MHz	136100 Ch. 680.5 MHz	139100 Ch. 695.5 MHz	
5 MHz	15	DFT-s	pi/2 BPSK	1	1	23.71	23.63	23.84	0
				1	13	23.65	23.69	23.73	0
				1	23	23.70	23.58	23.61	0
				12	0	22.96	23.25	23.30	0.5
				12	7	23.63	23.64	23.70	0
				12	13	23.17	23.14	23.17	0.5
				25	0	23.13	23.19	23.26	0.5
			QPSK	1	1	23.48	23.54	23.78	0
				1	13	23.33	23.62	23.75	0
				1	23	23.57	23.58	23.61	0
				12	0	22.67	22.79	22.83	1
				12	7	23.35	23.65	23.77	0
				12	13	22.68	22.67	22.70	1
				25	0	22.66	22.70	22.79	1
			16QAM	1	1	22.55	22.63	22.82	1
			64QAM	1	1	21.15	21.18	21.42	2.5
			256QAM	1	1	19.30	19.25	19.43	4.5
		CP	QPSK	1	1	22.12	22.18	22.28	1.5

NR Band n71_10 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						133600 Ch. 668 MHz	136100 Ch. 680.5 MHz	138600 Ch. 693 MHz	
10 MHz	15	DFT-s	pi/2 BPSK	1	1	23.65	23.65	23.72	0
				1	26	23.62	23.63	23.75	0
				1	50	23.64	23.64	23.58	0
				25	0	23.07	23.14	23.15	0.5
				25	14	23.15	23.67	23.60	0
				25	27	23.11	23.17	23.17	0.5
				50	0	23.12	22.86	23.18	0.5
			QPSK	1	1	23.59	23.64	23.67	0
				1	26	23.59	23.61	23.58	0
				1	50	23.62	23.64	23.59	0
				25	0	22.63	22.61	22.67	1
				25	14	23.64	23.68	23.66	0
				25	27	22.63	22.63	22.70	1
				50	0	22.64	22.72	22.65	1
			16QAM	1	1	22.73	22.73	22.59	1
			64QAM	1	1	21.16	21.15	21.15	2.5
			256QAM	1	1	19.07	19.12	19.23	4.5
		CP	QPSK	1	1	22.08	22.19	22.16	1.5

NR Band n71_15 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]		MPR [dB]
						134100 Ch. 670.5 MHz	138100 Ch. 690.5 MHz	
15 MHz	15	DFT-s	pi/2 BPSK	1	1	23.60		0
				1	40	23.53		0
				1	77	23.63		0
				36	0	23.02		0.5
				36	22	23.16		0
				36	43	23.16		0.5
				75	0	23.21		0.5
			QPSK	1	1	23.50		0
				1	40	23.58		0
				1	77	23.68		0
				36	0	22.61		1
				36	22	23.72		0
				36	43	22.70		1
				75	0	22.64		1
			16QAM	1	1	22.64		1
			64QAM	1	1	21.21		2.5
			256QAM	1	1	19.12		4.5
		CP	QPSK	1	1	22.13		1.5

NR Band n71_20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
							136100 Ch. 680.5 MHz		
20 MHz	15	DFT-s	pi/2 BPSK	1	1		23.67		0
				1	53		23.69		0
				1	104		23.68		0
				50	0		23.20		0.5
				50	28		23.74		0
				50	56		23.23		0.5
				100	0		23.26		0.5
			QPSK	1	1		23.61		0
				1	53		23.60		0
				1	104		23.66		0
				50	0		22.71		1
				50	28		23.73		0
				50	56		22.72		1
				100	0		22.78		1
			16QAM	1	1		22.62		1
			64QAM	1	1		21.20		2.5
			256QAM	1	1		19.08		4.5
		CP	QPSK	1	1		22.17		1.5

NR Band n41 Conducted_Power

NR Band n41_20 MHz Bandwidth Conducted Power

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	
20MHz	30	DFT-s	pi/2 BPSK	1	1	25.26	25.65	24.93	25.25	24.34	0
				1	26	25.46	25.62	24.38	25.46	23.75	0
				1	49	25.44	25.64	25.26	25.10	24.02	0
				25	0	24.69	25.17	24.10	24.95	23.43	0.5
				25	13	25.07	25.48	24.59	25.30	24.25	0
				25	26	24.83	25.14	24.62	24.93	24.51	0.5
				50	0	24.88	25.13	24.74	25.08	23.12	0.5
			QPSK	1	1	24.99	25.53	25.24	25.26	24.02	0
				1	26	25.24	25.60	24.49	25.41	24.52	0
				1	49	25.17	25.45	25.58	25.13	24.48	0
				25	0	24.61	24.64	24.33	24.68	23.46	1
				25	13	25.16	25.48	24.73	25.33	23.75	0
				25	26	24.81	24.80	24.98	24.85	23.05	1
				50	0	24.48	24.67	24.79	24.59	22.76	1
			16QAM	1	1	24.18	24.58	24.37	24.32	23.05	1
			64QAM	1	1	23.41	23.42	23.18	23.38	22.56	2.5
			256QAM	1	1	21.40	21.43	21.63	21.45	21.45	4.5
		CP	QPSK	1	1	23.40	24.01	23.57	23.78	22.54	1.5

NR Band n41_30 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]					MPR [dB]
						502200 2511 MHz	510402 2552.01 MHz	518598 2592.99 MHz	526800 2634 MHz	534996 2674.98 MHz	
30MHz	30	DFT-s	pi/2 BPSK	1	1	25.22	25.65	25.12	24.93	24.97	0
				1	39	25.47	25.59	24.48	25.47	24.15	0
				1	76	25.55	25.41	25.39	25.06	23.74	0
				36	0	24.74	25.12	24.12	24.81	24.07	0.5
				36	21	25.06	25.46	24.54	25.27	23.73	0
				36	42	24.97	25.19	24.70	24.85	23.22	0.5
				75	0	25.09	25.03	24.81	25.02	23.45	0.5
			QPSK	1	1	25.02	25.64	25.28	24.84	24.44	0
				1	39	25.29	25.55	24.53	25.45	23.79	0
				1	76	25.38	25.42	25.77	25.04	23.77	0
				36	0	24.92	24.92	24.30	24.87	24.11	1
				36	21	25.18	25.41	24.72	25.36	23.80	0
				36	42	24.96	24.75	24.95	24.92	23.05	1
				75	0	24.41	24.53	24.77	24.48	23.03	1
			16QAM	1	1	24.01	24.66	24.39	23.82	23.49	1
			64QAM	1	1	23.07	23.47	23.04	22.96	22.64	2.5
			256QAM	1	1	21.66	21.53	21.66	21.33	21.46	4.5
		CP	QPSK	1	1	23.59	24.00	23.68	23.48	23.10	1.5

NR Band n41_40 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]					MPR [dB]
						503202 2516.01 MHz	513468 2567.34 MHz		523734 2618.67 MHz	534000 2670 MHz	
40MHz	30	DFT-s	pi/2 BPSK	1	1	25.02	24.55		23.73	24.98	0
				1	53	25.44	24.66		24.83	24.45	0
				1	104	25.45	23.87		25.08	24.05	0
				50	0	24.75	24.06		23.80	24.41	0.5
				50	28	24.87	24.26		24.59	23.80	0
				50	56	25.01	23.84		24.86	24.24	0.5
				100	0	25.06	24.10		24.49	23.76	0.5
			QPSK	1	1	25.15	24.50		23.87	24.67	0
				1	53	25.43	24.61		24.92	24.25	0
				1	104	25.58	23.83		25.32	23.77	0
				50	0	24.68	24.00		23.66	24.40	1
				50	28	25.21	24.46		24.74	24.14	0
				50	56	24.97	23.87		24.66	22.83	1
				100	0	24.45	23.65		23.98	23.41	1
			16QAM	1	1	23.93	23.56		22.83	23.84	1
			64QAM	1	1	23.07	22.48		21.91	23.00	2.5
			256QAM	1	1	21.66	20.86		20.27	21.50	4.5
		CP	QPSK	1	1	23.40	22.87		22.38	23.25	1.5

NR Band n41_50 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]					MPR [dB]
						504204 2521.02 MHz		518598 2592.99 MHz		532998 2664.99 MHz	
50MHz	30	DFT-s	pi/2 BPSK	1	1	24.95		25.13		25.61	0
				1	67	25.24		24.45		24.89	0
				1	131	25.19		25.27		24.58	0
				64	0	24.22		24.16		24.91	0.5
				64	35	24.86		24.66		24.67	0
				64	69	24.62		24.66		23.22	0.5
				128	0	24.39		24.81		24.00	0.5
			QPSK	1	1	24.52		25.31		25.36	0
				1	67	24.82		24.65		24.64	0
				1	131	24.80		25.57		24.45	0
				64	0	24.10		24.49		24.33	1
				64	35	25.05		24.76		24.54	0
				64	69	24.25		24.82		22.76	1
				128	0	24.01		24.78		23.83	1
			16QAM	1	1	23.69		24.49		24.39	1
			64QAM	1	1	22.64		23.10		23.56	2.5
			256QAM	1	1	21.57		21.61		21.39	4.5
		CP	QPSK	1	1	23.28		23.71		23.90	1.5

NR Band n41_60 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]					MPR [dB]
						505200 2526 MHz		518598 2592.99 MHz		531996 2659.98 MHz	
60MHz	30	DFT-s	pi/2 BPSK	1	1	24.81		25.11		25.52	0
				1	81	25.24		24.33		25.10	0
				1	160	24.92		25.39		24.92	0
				81	0	24.08		24.12		24.90	0.5
				81	41	24.70		24.46		24.81	0
				81	81	24.61		24.59		23.29	0.5
				162	0	24.27		24.73		24.06	0.5
			QPSK	1	1	24.32		25.38		25.14	0
				1	81	24.80		24.56		24.78	0
				1	160	24.40		25.75		24.88	0
				81	0	24.50		24.44		24.58	1
				81	41	24.91		24.78		24.71	0
				81	81	24.52		24.80		23.40	1
				162	0	24.05		24.76		23.91	1
		16QAM	1	1	23.62		24.44		24.31	1	
		64QAM	1	1	22.58		23.13		23.44	2.5	
		256QAM	1	1	21.49		21.50		21.51	4.5	
		CP	QPSK	1	1	23.34		23.52		23.73	1.5

NR Band n41_80 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]				MPR [dB]	
						507204 2536.02 MHz					529998 2649.99 MHz
80MHz	30	DFT-s	pi/2 BPSK	1	1	25.11				24.53	0
				1	109	25.52				25.33	0
				1	215	25.08				24.87	0
				108	0	24.04				24.59	0.5
				108	55	24.68				25.04	0
				108	109	24.62				23.54	0.5
				216	0	24.32				24.23	0.5
			QPSK	1	1	24.68				24.13	0
				1	109	25.15				24.92	0
				1	215	24.53				24.72	0
				108	0	24.47				24.55	1
				108	55	24.81				24.97	0
				108	109	24.61				23.80	1
				216	0	24.21				23.99	1
		16QAM	1	1	23.81				23.47	1	
		64QAM	1	1	22.63				22.50	2.5	
		256QAM	1	1	21.58				20.70	4.5	
		CP	QPSK	1	1	23.14				22.86	1.5

NR Band n41_90 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]					MPR [dB]
						508200 2541 MHz				528996 2644.98 MHz	
90MHz	30	DFT-s	pi/2 BPSK	1	1	25.07				24.06	0
				1	123	25.48				25.55	0
				1	243	24.52				24.72	0
				120	0	24.23				24.50	0.5
				120	63	24.86				25.17	0
				120	125	24.73				23.69	0.5
				243	0	24.66				24.28	0.5
			QPSK	1	1	24.96				23.87	0
				1	123	25.42				25.36	0
				1	243	24.39				24.71	0
				120	0	24.19				24.06	1
				120	63	24.81				25.20	0
				120	125	24.13				23.47	1
				243	0	24.48				24.13	1
		16QAM	1	1	23.99				23.01	1	
			64QAM	1	1	22.55				21.48	2.5
			256QAM	1	1	21.23				20.15	4.5
		CP	QPSK	1	1	23.18				22.42	1.5

NR Band n41_100 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]				MPR [dB]
								518598 2592.99 MHz		
100MHz	30	DFT-s	pi/2 BPSK	1	1			25.03		0
				1	137			24.43		0
				1	271			25.29		0
				135	0			24.19		0.5
				135	69			24.56		0
				135	138			24.69		0.5
				270	0			24.83		0.5
			QPSK	1	1			25.29		0
				1	137			24.57		0
				1	271			25.67		0
				135	0			24.39		1
				135	69			24.79		0
				135	138			24.88		1
				270	0			24.75		1
			16QAM	1	1			24.42		1
			64QAM	1	1			23.13		2.5
			256QAM	1	1			21.57		4.5
		CP	QPSK	1	1			23.62		1.5

NR Band n77 Conducted_Power

NR Band n77_20 MHz Bandwidth Conducted Power

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	
20MHz	30	DFT-s	pi/2 BPSK	1	1	25.77	25.97	25.04	24.45	24.14	24.29	0
				1	26	25.72	25.82	24.92	24.24	24.32	24.34	0
				1	49	25.70	25.69	24.92	24.13	24.52	24.44	0
				25	0	25.23	25.45	24.48	23.89	23.74	23.63	0.5
				25	13	25.63	25.77	24.89	24.26	24.34	24.16	0
				25	26	25.14	25.24	24.43	23.69	23.94	23.70	0.5
				50	0	25.29	25.34	24.50	23.84	23.91	23.83	0.5
			QPSK	1	1	25.57	25.88	24.90	24.36	24.07	24.12	0
				1	26	25.52	25.71	24.78	24.15	24.25	24.14	0
				1	49	25.50	25.61	24.82	24.06	24.46	24.25	0
				25	0	25.19	25.28	24.47	23.86	23.73	23.62	1
				25	13	25.55	25.74	24.84	24.20	24.27	24.14	0
				25	26	25.10	25.19	24.37	23.66	23.90	23.71	1
				50	0	24.77	24.91	24.02	23.38	23.39	23.30	1
			16QAM	1	1	24.71	24.89	24.02	23.38	23.10	23.20	1
			64QAM	1	1	23.88	23.68	23.53	22.96	22.62	22.70	2.5
			256QAM	1	1	22.39	22.24	22.14	21.61	21.26	21.35	4.5
		CP	QPSK	1	1	24.01	24.28	23.32	22.78	22.56	22.54	1.5

NR Band n77_30 MHz Bandwidth Conducted Power

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	
30MHz	30	DFT-s	pi/2 BPSK	1	1	25.71	25.90	25.00	24.76	24.09	24.33	0
				1	39	25.65	25.78	24.91	24.38	24.37	24.33	0
				1	76	25.60	25.62	24.95	24.06	24.70	24.39	0
				36	0	25.21	25.38	24.43	24.13	23.59	23.67	0.5
				36	21	25.58	25.69	24.85	24.35	24.25	24.13	0
				36	42	25.10	25.15	24.42	23.65	23.96	23.68	0.5
				75	0	25.23	25.34	24.50	23.97	23.87	23.80	0.5
			QPSK	1	1	25.62	25.70	24.87	24.65	24.49	24.15	0
				1	39	25.55	25.58	24.80	24.30	24.14	24.15	0
				1	76	25.53	25.42	24.85	24.14	24.49	24.18	0
				36	0	25.17	25.31	24.38	24.11	23.61	23.65	1
				36	21	25.54	25.64	24.80	24.28	24.20	24.16	0
				36	42	25.02	24.99	24.38	23.62	23.96	23.70	1
				75	0	24.76	24.78	23.96	23.43	23.35	23.28	1
			16QAM	1	1	24.70	24.84	23.89	23.65	23.05	23.17	1
			64QAM	1	1	23.59	23.72	22.94	22.70	22.05	22.18	2.5
			256QAM	1	1	22.31	22.25	21.66	21.43	20.70	20.85	4.5
		CP	QPSK	1	1	24.05	24.26	23.25	23.05	22.93	22.57	1.5

NR Band n77_40 MHz Bandwidth Conducted Power

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	
40MHz	30	DFT-s	pi/2 BPSK	1	1	25.67	25.86	25.04	24.87	24.03	24.15	0
				1	53	25.60	25.68	24.92	24.46	24.29	24.26	0
				1	104	25.38	25.33	24.91	24.11	24.58	24.37	0
				50	0	25.24	25.45	24.49	24.18	23.64	23.56	0.5
				50	28	25.56	25.62	24.84	24.33	24.21	24.06	0
				50	56	25.04	25.05	24.42	23.63	23.98	23.69	0.5
				100	0	25.21	25.31	24.53	24.02	23.81	23.77	0.5
			QPSK	1	1	25.69	25.81	24.92	24.68	24.01	24.04	0
				1	53	25.54	25.60	24.80	24.26	24.14	24.14	0
				1	104	25.37	25.27	24.85	24.30	24.46	24.24	0
				50	0	25.01	25.36	24.43	24.14	23.58	23.60	1
				50	28	25.52	25.57	24.81	24.29	24.13	24.07	0
				50	56	24.86	24.99	24.37	23.58	23.93	23.75	1
				100	0	24.78	24.82	24.05	23.55	23.34	23.27	1
			16QAM	1	1	24.76	24.87	23.92	23.80	23.06	23.07	1
			64QAM	1	1	23.70	23.89	23.01	22.82	22.08	22.08	2.5
			256QAM	1	1	22.35	22.42	21.67	21.45	20.70	20.53	4.5
		CP	QPSK	1	1	24.03	24.27	23.29	23.11	23.49	23.38	1.5

NR Band n77_50 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]						MPR [dB]
						648334 3725.01 MHz	652166 3782.49 MHz	656000 3840 MHz		659834 3897.51 MHz	663666 3954.99 MHz	
50MHz	30	DFT-s	pi/2 BPSK	1	1	25.63	25.79	24.95		24.20	24.39	0
				1	67	25.47	25.51	24.83		24.06	24.43	0
				1	131	25.30	25.01	24.42		24.52	24.47	0
				64	0	24.98	25.19	24.38		23.55	23.68	0.5
				64	35	25.36	25.34	24.82		24.03	24.25	0
				64	69	24.81	24.59	24.14		23.67	23.73	0.5
				128	0	25.06	25.03	24.41		23.65	23.94	0.5
			QPSK	1	1	25.52	25.84	24.90		24.06	24.21	0
				1	67	25.33	25.30	24.75		24.71	24.20	0
				1	131	25.24	24.86	24.34		24.36	24.27	0
				64	0	24.84	24.97	24.34		23.43	23.76	1
				64	35	25.28	25.24	24.71		24.39	24.17	0
				64	69	24.77	24.57	24.11		23.62	23.73	1
				128	0	24.52	24.58	23.95		23.22	23.40	1
			16QAM	1	1	24.57	24.81	23.96		23.14	23.22	1
			64QAM	1	1	23.56	23.85	22.98		22.10	22.21	2.5
			256QAM	1	1	22.33	22.38	21.67		20.89	21.14	4.5
		CP	QPSK	1	1	23.87	24.13	23.23		22.92	22.56	1.5

NR Band n77_60 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]						MPR [dB]
						648668 3730.02 MHz	653556 3803.34 MHz			658444 3876.66 MHz	663332 3949.98 MHz	
60MHz	30	DFT-s	pi/2 BPSK	1	1	25.68	25.82			24.83	24.60	0
				1	81	25.43	25.15			24.14	24.82	0
				1	160	25.07	24.94			24.24	24.94	0
				81	0	25.02	24.85			23.91	24.15	0.5
				81	41	25.30	24.99			24.18	24.66	0
				81	81	24.72	24.41			23.68	24.26	0.5
				162	0	25.07	24.80			23.86	24.37	0.5
			QPSK	1	1	25.51	25.56			24.60	24.39	0
				1	81	25.31	24.93			24.13	24.56	0
				1	160	24.98	24.76			24.12	24.67	0
				81	0	24.91	24.78			23.86	24.09	1
				81	41	25.29	24.93			24.15	24.59	0
				81	81	24.71	24.34			23.51	24.22	1
				162	0	24.53	24.28			23.42	23.87	1
			16QAM	1	1	24.59	24.69			23.59	23.53	1
			64QAM	1	1	23.61	23.74			22.76	22.53	2.5
			256QAM	1	1	22.08	22.09			21.56	21.31	4.5
		CP	QPSK	1	1	23.82	23.89			22.92	22.75	1.5

NR Band n77_70 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]						MPR [dB]
						649000	653666			658334	663000	
						3735 MHz	3804.99 MHz			3875.01 MHz	3945 MHz	
70MHz	30	DFT-s	pi/2 BPSK	1	1	25.67	25.94			24.86	24.29	0
				1	95	25.47	25.22			24.15	24.75	0
				1	187	25.06	24.92			24.36	24.99	0
				90	0	24.91	24.94			24.01	23.97	0.5
				90	50	25.25	24.99			24.12	24.64	0
				90	99	24.67	24.39			23.59	24.33	0.5
				180	0	25.03	24.85			23.93	24.29	0.5
			QPSK	1	1	25.43	25.73			24.67	24.17	0
				1	95	25.29	24.99			24.15	24.61	0
				1	187	24.90	24.71			24.28	24.81	0
				90	0	24.78	24.88			24.00	23.95	1
				90	50	25.23	24.97			24.24	24.57	0
				90	99	24.62	24.39			23.57	24.31	1
				180	0	24.48	24.38			23.49	23.81	1
			16QAM	1	1	24.45	24.84			23.74	23.28	1
			64QAM	1	1	23.50	23.62			22.84	22.29	2.5
			256QAM	1	1	21.94	22.03			21.56	21.05	4.5
		CP	QPSK	1	1	23.88	24.09			23.12	22.63	1.5

NR Band n77_80 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]						MPR [dB]
						649334 3740.01 MHz		656000 3840 MHz		662666 3939.99 MHz		
80MHz	30	DFT-s	pi/2 BPSK	1	1	25.73		25.16		24.20		0
				1	109	25.39		24.91		24.74		0
				1	215	24.63		24.07		24.85		0
				108	0	25.00		24.48		23.95		0.5
				108	55	25.22		24.76		24.61		0
				108	109	24.49		24.05		24.30		0.5
				216	0	24.99		24.40		24.25		0.5
			QPSK	1	1	25.58		25.07		24.12		0
				1	109	25.28		24.79		24.63		0
				1	215	24.57		24.05		24.75		0
				108	0	24.97		24.44		23.92		1
				108	55	25.22		24.70		24.54		0
				108	109	24.47		24.01		24.23		1
				216	0	24.46		23.96		23.86		1
			16QAM	1	1	24.55		24.15		23.21		1
			64QAM	1	1	23.38		23.18		22.27		2.5
			256QAM	1	1	21.94		21.95		20.97		4.5
		CP	QPSK	1	1	24.02		23.38		22.56		1.5

NR Band n77_90 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]					MPR [dB]
						649668 3745.02 MHz		656000 3840 MHz		662332 3934.98 MHz	
90MHz	30	DFT-s	pi/2 BPSK	1	1	25.66		25.26		24.13	0
				1	123	25.30		24.93		24.67	0
				1	243	24.49		24.12		24.62	0
				120	0	24.91		24.53		23.92	0.5
				120	63	25.09		24.77		24.57	0
				120	125	24.35		23.98		24.19	0.5
				243	0	24.89		24.44		24.25	0.5
			QPSK	1	1	25.49		25.13		24.15	0
				1	123	25.18		24.78		24.67	0
				1	243	24.39		24.12		24.62	0
				120	0	24.46		24.00		23.41	1
				120	63	25.07		24.74		24.46	0
				120	125	23.87		23.50		23.71	1
				243	0	24.35		24.01		23.79	1
			16QAM	1	1	24.49		24.22		23.15	1
			64QAM	1	1	23.16		22.86		21.75	2.5
			256QAM	1	1	21.74		21.51		20.55	4.5
		CP	QPSK	1	1	23.76		23.49		22.56	1.5

NR Band n77_100 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]						MPR [dB]
						650000 3750 MHz		656000 3840 MHz		662000 3930 MHz		
100MHz	30	DFT-s	pi/2 BPSK	1	1	25.81		25.72		24.13		0
				1	137	25.33		25.21		24.60		0
				1	271	24.19		24.05		24.77		0
				135	0	24.94		24.91		23.70		0.5
				135	69	25.02		24.98		24.40		0
				135	138	24.13		24.00		24.23		0.5
				270	0	24.78		24.61		24.13		0.5
			QPSK	1	1	25.53		24.72		24.10		0
				1	137	25.10		24.87		24.56		0
				1	271	24.15		24.07		24.73		0
				135	0	24.94		24.80		23.66		1
				135	69	25.01		24.96		24.36		0
				135	138	24.10		23.91		24.19		1
				270	0	24.28		24.09		23.73		1
			16QAM	1	1	24.63		24.61		23.21		1
			64QAM	1	1	23.25		23.06		21.76		2.5
			256QAM	1	1	21.89		21.75		20.91		4.5
		CP	QPSK	1	1	23.90		23.83		22.64		1.5

NR Band n77 DoD Conducted_Power

NR Band n77 DoD_20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						630668 3460.02MHz	633334 3500.01MHz	636000 3540MHz	
20MHz	30	DFT-s	pi/2 BPSK	1	1	25.58	25.96	25.10	0
				1	26	25.68	25.77	24.89	0
				1	49	25.80	25.66	24.99	0
				25	0	25.27	25.49	24.58	0.5
				25	13	25.72	25.82	24.92	0
				25	26	25.06	25.33	24.46	0.5
				50	0	25.32	25.31	24.42	0.5
			QPSK	1	1	25.64	25.82	24.99	0
				1	26	25.49	25.75	24.80	0
				1	49	25.58	25.59	24.73	0
				25	0	25.19	25.28	24.48	1
				25	13	25.54	25.80	24.91	0
				25	26	25.11	25.24	24.33	1
				50	0	24.68	24.94	23.94	1
			16QAM	1	1	24.61	24.87	23.97	1
			64QAM	1	1	23.95	23.61	23.46	2.5
			256QAM	1	1	22.35	22.26	22.17	4.5
		CP	QPSK	1	1	23.92	24.26	23.31	1.5

NR Band n77 DoD_30 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						631000 3465MHz	633334 3500.01MHz	635666 3534.99MHz	
30MHz	30	DFT-s	pi/2 BPSK	1	1	25.57	25.85	25.01	0
				1	39	25.74	25.86	24.84	0
				1	76	25.80	25.70	24.97	0
				36	0	25.15	25.22	24.44	0.5
				36	21	25.69	25.67	24.89	0
				36	42	25.22	25.17	24.45	0.5
				75	0	25.39	25.42	24.42	0.5
			QPSK	1	1	25.51	25.84	24.97	0
				1	39	25.44	25.68	24.75	0
				1	76	25.60	25.67	24.91	0
				36	0	25.13	25.22	24.52	1
				36	21	25.50	25.83	24.79	0
				36	42	25.16	25.27	24.29	1
				75	0	24.77	24.85	23.96	1
			16QAM	1	1	24.81	24.99	24.06	1
			64QAM	1	1	23.90	23.68	23.60	2.5
			256QAM	1	1	22.37	22.27	22.07	4.5
		CP	QPSK	1	1	24.00	24.24	23.24	1.5

NR Band n77 DoD_40 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						631334 3470.01MHz		635332 3529.98 MHz	
40MHz	30	DFT-s	pi/2 BPSK	1	1	25.36		25.09	0
				1	53	25.75		24.99	0
				1	104	25.76		24.82	0
				50	0	25.22		24.43	0.5
				50	28	25.71		24.90	0
				50	56	25.19		24.47	0.5
				100	0	25.39		24.41	0.5
			QPSK	1	1	25.61		25.00	0
				1	53	25.47		24.84	0
				1	104	25.50		24.87	0
				50	0	25.12		24.45	1
				50	28	25.54		24.81	0
				50	56	25.20		24.37	1
				100	0	24.84		24.09	1
			16QAM	1	1	24.61		24.12	1
			64QAM	1	1	23.85		23.53	2.5
			256QAM	1	1	22.35		22.15	4.5
		CP	QPSK	1	1	24.09		23.39	1.5

NR Band n77 DoD_50 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						631668 3475.02MHz		635000 3525MHz	
50MHz	30	DFT-s	pi/2 BPSK	1	1	25.45		25.06	0
				1	67	25.72		24.98	0
				1	131	25.80		24.88	0
				64	0	25.31		24.49	0.5
				64	35	25.72		24.93	0
				64	69	25.10		24.51	0.5
				128	0	25.24		24.42	0.5
			QPSK	1	1	25.59		24.89	0
				1	67	25.56		24.69	0
				1	131	25.46		24.81	0
				64	0	25.09		24.49	1
				64	35	25.55		24.77	0
				64	69	25.06		24.31	1
				128	0	24.76		23.99	1
			16QAM	1	1	24.70		24.06	1
			64QAM	1	1	23.85		23.62	2.5
			256QAM	1	1	22.41		22.14	4.5
		CP	QPSK	1	1	24.09		23.24	1.5

NR Band n77 DoD_60 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]		MPR [dB]
							633334 3500.01MHz	
60MHz	30	DFT-s	pi/2 BPSK	1	1		25.96	0
				1	81		25.92	0
				1	160		25.62	0
				81	0		25.38	0.5
				81	41		25.68	0
				81	81		25.20	0.5
				162	0		25.43	0.5
			QPSK	1	1		25.90	0
				1	81		25.65	0
				1	160		25.55	0
				81	0		25.32	1
				81	41		25.74	0
				81	81		25.16	1
				162	0		24.93	1
			16QAM	1	1		24.99	1
			64QAM	1	1		23.65	2.5
			256QAM	1	1		22.27	4.5
		CP	QPSK	1	1		24.35	1.5

NR Band n77 DoD_70 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]		MPR [dB]
							633334 3500.01MHz	
70MHz	30	DFT-s	pi/2 BPSK	1	1		25.58	0
				1	95		25.69	0
				1	187		25.76	0
				90	0		25.30	0.5
				90	50		25.63	0
				90	99		25.24	0.5
				180	0		25.38	0.5
			QPSK	1	1		25.61	0
				1	95		25.58	0
				1	187		25.49	0
				90	0		25.26	1
				90	50		25.52	0
				90	99		25.11	1
				180	0		24.86	1
			16QAM	1	1		24.70	1
			64QAM	1	1		23.91	2.5
			256QAM	1	1		22.45	4.5
		CP	QPSK	1	1		24.09	1.5

NR Band n77 DoD_80 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]		MPR [dB]
							633334 3500.01MHz	
80MHz	30	DFT-s	pi/2 BPSK	1	1		25.53	0
				1	109		25.80	0
				1	215		25.64	0
				108	0		25.33	0.5
				108	55		25.71	0
				108	109		25.09	0.5
				216	0		25.34	0.5
			QPSK	1	1		25.65	0
				1	109		25.57	0
				1	215		25.49	0
				108	0		25.19	1
				108	55		25.50	0
				108	109		25.07	1
				216	0		24.85	1
			16QAM	1	1		24.77	1
			64QAM	1	1		23.79	2.5
			256QAM	1	1		22.33	4.5
		CP	QPSK	1	1		24.11	1.5

NR Band n77 DoD_90 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]		MPR [dB]
							633334 3500.01MHz	
90MHz	30	DFT-s	pi/2 BPSK	1	1		25.91	0
				1	123		25.81	0
				1	243		25.60	0
				120	0		25.42	0.5
				120	63		25.75	0
				120	125		25.33	0.5
				243	0		25.27	0.5
			QPSK	1	1		25.79	0
				1	123		25.66	0
				1	243		25.71	0
				120	0		25.29	1
				120	63		25.77	0
				120	125		25.20	1
				243	0		24.83	1
			16QAM	1	1		24.91	1
			64QAM	1	1		23.73	2.5
			256QAM	1	1		22.33	4.5
		CP	QPSK	1	1		24.19	1.5

NR Band n77 DoD_100 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]		MPR [dB]
							633334 3500.01MHz	
100MHz	30	DFT-s	pi/2 BPSK	1	1		25.57	0
				1	137		25.75	0
				1	271		25.76	0
				135	0		25.26	0.5
				135	69		25.54	0
				135	138		25.24	0.5
				270	0		25.39	0.5
			QPSK	1	1		25.59	0
				1	137		25.46	0
				1	271		25.48	0
				135	0		25.10	1
				135	69		25.47	0
				135	138		25.15	1
				270	0		24.72	1
			16QAM	1	1		24.62	1
			64QAM	1	1		23.91	2.5
			256QAM	1	1		22.41	4.5
		CP	QPSK	1	1		24.09	1.5

NR Band n78 Conducted_Power

NR Band n78_20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						630668 3460.02MHz	633334 3500.01MHz	636000 3540MHz	
20MHz	30	DFT-s	pi/2 BPSK	1	1	25.68	25.39	24.49	0
				1	26	25.62	25.24	24.19	0
				1	49	25.57	25.11	24.08	0
				25	0	25.14	24.81	23.94	0.5
				25	13	25.57	25.21	24.27	0
				25	26	25.11	24.66	23.67	0.5
				50	0	25.21	24.80	23.88	0.5
			QPSK	1	1	25.60	25.24	24.47	0
				1	26	25.54	25.06	24.19	0
				1	49	25.51	24.95	24.03	0
				25	0	24.94	24.78	23.90	1
				25	13	25.47	25.11	24.20	0
				25	26	24.98	24.60	23.62	1
				50	0	24.69	24.31	23.41	1
			16QAM	1	1	24.58	24.30	23.51	1
			64QAM	1	1	23.91	23.49	23.04	2.5
			256QAM	1	1	21.92	21.88	21.64	4.5
		CP	QPSK	1	1	23.96	23.67	22.79	1.5

NR Band n78_30 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						647666 3715 MHz	650000 3750 MHz	652332 3784.98 MHz	
30MHz	30	DFT-s	pi/2 BPSK	1	1	25.85	25.31	24.91	0
				1	39	25.70	25.13	24.45	0
				1	76	25.52	24.91	24.08	0
				36	0	25.22	24.87	24.25	0.5
				36	21	25.55	25.18	24.40	0
				36	42	25.02	24.66	23.73	0.5
				75	0	25.20	24.82	24.12	0.5
			QPSK	1	1	25.67	25.37	24.86	0
				1	39	25.53	25.15	24.41	0
				1	76	25.35	24.89	24.05	0
				36	0	24.92	24.81	24.20	1
				36	21	25.48	25.14	24.35	0
				36	42	24.99	24.57	23.69	1
				75	0	24.72	24.32	23.55	1
			16QAM	1	1	24.76	24.35	23.88	1
			64QAM	1	1	23.44	23.43	22.93	2.5
			256QAM	1	1	21.70	21.88	21.59	4.5
		CP	QPSK	1	1	24.15	23.79	23.22	1.5

NR Band n78_40 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						647800 3720 MHz		652000 3780 MHz	
40MHz	30	DFT-s	pi/2 BPSK	1	1	25.69		25.03	0
				1	53	25.63		24.55	0
				1	104	25.49		24.26	0
				50	0	25.10		24.41	0.5
				50	28	25.45		24.48	0
				50	56	25.01		23.80	0.5
				100	0	25.13		24.23	0.5
			QPSK	1	1	25.47		24.98	0
				1	53	25.40		24.50	0
				1	104	25.29		24.27	0
				50	0	24.86		24.36	1
				50	28	25.46		24.46	0
				50	56	24.92		23.79	1
				100	0	24.64		23.75	1
			16QAM	1	1	24.58		24.05	1
			64QAM	1	1	23.37		23.03	2.5
			256QAM	1	1	21.87		21.53	4.5
		CP	QPSK	1	1	23.89		23.36	1.5

NR Band n78_50 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						648334 3725.01 MHz		651666 3774.99 MHz	
50MHz	30	DFT-s	pi/2 BPSK	1	1	25.77		25.38	0
				1	67	25.62		24.73	0
				1	131	25.48		24.04	0
				64	0	25.00		24.54	0.5
				64	35	25.41		24.68	0
				64	69	24.86		23.84	0.5
				128	0	25.14		24.39	0.5
			QPSK	1	1	25.53		25.30	0
				1	67	25.34		24.61	0
				1	131	25.22		24.08	0
				64	0	24.88		24.61	1
				64	35	25.37		24.59	0
				64	69	24.85		23.78	1
				128	0	24.57		23.82	1
			16QAM	1	1	24.55		24.29	1
			64QAM	1	1	23.33		23.34	2.5
			256QAM	1	1	21.91		21.84	4.5
		CP	QPSK	1	1	23.93		23.60	1.5

NR Band n78_60 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
							650000 3750 MHz		
60MHz	30	DFT-s	pi/2 BPSK	1	1		25.74		0
				1	81		25.33		0
				1	160		24.71		0
				81	0		24.98		0.5
				81	41		25.20		0
				81	81		24.49		0.5
				162	0		24.94		0.5
			QPSK	1	1		25.60		0
				1	81		25.19		0
				1	160		24.59		0
				81	0		24.95		1
				81	41		25.13		0
				81	81		24.43		1
				162	0		24.35		1
			16QAM	1	1		24.65		1
			64QAM	1	1		23.47		2.5
			256QAM	1	1		21.77		4.5
		CP	QPSK	1	1		23.92		1.5

NR Band n78_70 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
							650000 3750 MHz		
70MHz	30	DFT-s	pi/2 BPSK	1	1		25.72		0
				1	95		25.35		0
				1	187		24.59		0
				90	0		24.96		0.5
				90	50		25.21		0
				90	99		24.40		0.5
				180	0		24.98		0.5
			QPSK	1	1		25.63		0
				1	95		25.25		0
				1	187		24.49		0
				90	0		24.88		1
				90	50		25.19		0
				90	99		24.42		1
				180	0		24.45		1
			16QAM	1	1		24.59		1
			64QAM	1	1		23.46		2.5
			256QAM	1	1		21.89		4.5
		CP	QPSK	1	1		23.99		1.5

NR Band n78_80 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
							650000 3750 MHz		
80MHz	30	DFT-s	pi/2 BPSK	1	1		25.80		0
				1	109		25.38		0
				1	215		24.48		0
				108	0		25.01		0.5
				108	55		25.18		0
				108	109		24.35		0.5
				216	0		24.90		0.5
			QPSK	1	1		25.59		0
				1	109		25.15		0
				1	215		24.71		0
				108	0		24.86		1
				108	55		25.15		0
				108	109		24.33		1
				216	0		24.41		1
			16QAM	1	1		24.64		1
			64QAM	1	1		23.29		2.5
			256QAM	1	1		21.94		4.5
		CP	QPSK	1	1		24.00		1.5

NR Band n78_90 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
							650000 3750 MHz		
90MHz	30	DFT-s	pi/2 BPSK	1	1		25.81		0
				1	123		25.32		0
				1	243		24.30		0
				120	0		25.07		0.5
				120	63		25.13		0
				120	125		24.28		0.5
				243	0		24.90		0.5
			QPSK	1	1		25.72		0
				1	123		25.20		0
				1	243		24.21		0
				120	0		24.55		1
				120	63		25.11		0
				120	125		23.77		1
				243	0		24.41		1
			16QAM	1	1		24.78		1
			64QAM	1	1		23.29		2.5
			256QAM	1	1		21.71		4.5
		CP	QPSK	1	1		24.06		1.5

NR Band n78_100 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
							650000 3750 MHz		
100MHz	30	DFT-s	pi/2 BPSK	1	1		25.82		0
				1	137		25.29		0
				1	271		24.15		0
				135	0		25.01		0.5
				135	69		25.04		0
				135	138		24.16		0.5
				270	0		24.83		0.5
			QPSK	1	1		25.72		0
				1	137		25.19		0
				1	271		24.07		0
				135	0		24.88		1
				135	69		25.07		0
				135	138		24.15		1
				270	0		24.34		1
			16QAM	1	1		24.75		1
			64QAM	1	1		23.34		2.5
			256QAM	1	1		21.92		4.5
		CP	QPSK	1	1		24.07		1.5

NR Band n78 DoD Conducted_Power

NR Band n78 DoD_20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						630668 3460.02MHz	633334 3500.01MHz	636000 3540MHz	
20MHz	30	DFT-s	pi/2 BPSK	1	1	25.56	25.88	25.11	0
				1	26	25.59	25.75	24.80	0
				1	49	25.82	25.66	24.97	0
				25	0	25.24	25.46	24.48	0.5
				25	13	25.63	25.90	24.92	0
				25	26	25.10	25.43	24.42	0.5
				50	0	25.36	25.21	24.43	0.5
			QPSK	1	1	25.68	25.88	25.00	0
				1	26	25.50	25.70	24.83	0
				1	49	25.67	25.66	24.73	0
				25	0	25.13	25.25	24.47	1
				25	13	25.58	25.89	24.82	0
				25	26	25.17	25.34	24.41	1
				50	0	24.64	24.92	24.04	1
			16QAM	1	1	24.56	24.82	23.99	1
			64QAM	1	1	23.95	23.56	23.40	2.5
			256QAM	1	1	22.37	22.36	22.27	4.5
		CP	QPSK	1	1	23.84	24.24	23.25	1.5

NR Band n78 DoD_30 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						631000 3465 MHz	633334 3500.01 MHz	635666 3534.99 MHz	
30MHz	30	DFT-s	pi/2 BPSK	1	1	25.57	25.95	25.10	0
				1	39	25.75	25.92	24.79	0
				1	76	25.85	25.63	24.89	0
				36	0	25.08	25.27	24.47	0.5
				36	21	25.68	25.69	24.85	0
				36	42	25.19	25.07	24.54	0.5
				75	0	25.34	25.42	24.39	0.5
			QPSK	1	1	25.57	25.90	24.90	0
				1	39	25.50	25.78	24.67	0
				1	76	25.69	25.60	24.99	0
				36	0	25.07	25.17	24.55	1
				36	21	25.43	25.89	24.77	0
				36	42	25.12	25.37	24.37	1
				75	0	24.85	24.84	23.98	1
			16QAM	1	1	24.81	24.83	24.14	1
			64QAM	1	1	23.94	23.65	23.55	2.5
			256QAM	1	1	22.38	22.24	21.99	4.5
		CP	QPSK	1	1	23.99	24.17	23.24	1.5

NR Band n78 DoD_40 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						631000 3465 MHz		635666 3534.99 MHz	
40MHz	30	DFT-s	pi/2 BPSK	1	1	25.39		25.05	0
				1	53	25.81		24.90	0
				1	104	25.74		24.90	0
				50	0	25.28		24.36	0.5
				50	28	25.70		24.83	0
				50	56	25.24		24.47	0.5
				100	0	25.36		24.33	0.5
			QPSK	1	1	25.62		25.03	0
				1	53	25.41		24.77	0
				1	104	25.58		24.87	0
				50	0	25.09		24.40	1
				50	28	25.50		24.71	0
				50	56	25.19		24.46	1
				100	0	24.78		24.19	1
			16QAM	1	1	24.65		24.07	1
			64QAM	1	1	23.85		23.53	2.5
			256QAM	1	1	22.36		22.10	4.5
		CP	QPSK	1	1	24.13		23.32	1.5

NR Band n78 DoD_50 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						631000 3465 MHz		635666 3534.99 MHz	
50MHz	30	DFT-s	pi/2 BPSK	1	1	25.41		25.12	0
				1	67	25.64		24.89	0
				1	131	25.80		24.95	0
				64	0	25.27		24.57	0.5
				64	35	25.66		24.83	0
				64	69	25.04		24.43	0.5
				128	0	25.16		24.34	0.5
			QPSK	1	1	25.59		24.93	0
				1	67	25.57		24.65	0
				1	131	25.43		24.85	0
				64	0	25.03		24.40	1
				64	35	25.51		24.82	0
				64	69	25.00		24.34	1
				128	0	24.68		24.04	1
			16QAM	1	1	24.78		24.15	1
			64QAM	1	1	23.91		23.69	2.5
			256QAM	1	1	22.43		22.24	4.5
		CP	QPSK	1	1	24.16		23.33	1.5

NR Band n78 DoD_60 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]		MPR [dB]
							633334 3500.01 MHz	
60MHz	30	DFT-s	pi/2 BPSK	1	1		25.96	0
				1	81		25.97	0
				1	160		25.65	0
				81	0		25.37	0.5
				81	41		25.65	0
				81	81		25.16	0.5
				162	0		25.45	0.5
			QPSK	1	1		25.91	0
				1	81		25.59	0
				1	160		25.47	0
				81	0		25.35	1
				81	41		25.76	0
				81	81		25.16	1
				162	0		24.84	1
			16QAM	1	1		24.95	1
			64QAM	1	1		23.56	2.5
			256QAM	1	1		22.27	4.5
		CP	QPSK	1	1		25.96	1.5

NR Band n78 DoD_70 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]		MPR [dB]
							633334 3500.01 MHz	
70MHz	30	DFT-s	pi/2 BPSK	1	1		25.53	0
				1	95		25.70	0
				1	187		25.77	0
				90	0		25.40	0.5
				90	50		25.56	0
				90	99		25.17	0.5
				180	0		25.30	0.5
			QPSK	1	1		25.70	0
				1	95		25.57	0
				1	187		25.54	0
				90	0		25.25	1
				90	50		25.53	0
				90	99		25.21	1
				180	0		24.83	1
			16QAM	1	1		24.62	1
			64QAM	1	1		23.82	2.5
			256QAM	1	1		22.46	4.5
		CP	QPSK	1	1		24.08	1.5

NR Band n78 DoD_80 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]		MPR [dB]
							633334 3500.01 MHz	
80MHz	30	DFT-s	pi/2 BPSK	1	1		25.53	0
				1	109		25.84	0
				1	215		25.59	0
				108	0		25.29	0.5
				108	55		25.73	0
				108	109		25.04	0.5
				216	0		25.37	0.5
			QPSK	1	1		25.59	0
				1	109		25.58	0
				1	215		25.43	0
				108	0		25.26	1
				108	55		25.47	0
				108	109		25.02	1
				216	0		24.75	1
			16QAM	1	1		24.75	1
			64QAM	1	1		23.84	2.5
			256QAM	1	1		22.38	4.5
		CP	QPSK	1	1		24.10	1.5

NR Band n78 DoD_90 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]		MPR [dB]
							633334 3500.01 MHz	
90MHz	30	DFT-s	pi/2 BPSK	1	1		25.79	0
				1	123		25.78	0
				1	243		25.52	0
				120	0		25.34	0.5
				120	63		25.80	0
				120	125		25.25	0.5
				243	0		25.24	0.5
			QPSK	1	1		25.85	0
				1	123		25.67	0
				1	243		25.63	0
				120	0		25.29	1
				120	63		25.76	0
				120	125		25.26	1
				243	0		24.78	1
			16QAM	1	1		24.82	1
			64QAM	1	1		23.74	2.5
			256QAM	1	1		22.30	4.5
		CP	QPSK	1	1		24.20	1.5

NR Band n78 DoD_100 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]		MPR [dB]
							633334 3500.01 MHz	
100MHz	30	DFT-s	pi/2 BPSK	1	1		25.51	0
				1	137		25.73	0
				1	271		25.75	0
				135	0		25.35	0.5
				135	69		25.55	0
				135	138		25.24	0.5
				270	0		25.36	0.5
			QPSK	1	1		25.53	0
				1	137		25.47	0
				1	271		25.44	0
				135	0		25.08	1
				135	69		25.48	0
				135	138		25.06	1
				270	0		24.70	1
			16QAM	1	1		24.58	1
			64QAM	1	1		23.94	2.5
			256QAM	1	1		22.49	4.5
		CP	QPSK	1	1		24.00	1.5

NR Band n41(MIMO) Conducted_Power

NR Band n41(MIMO)_20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]					MPR [dB]
						501204 2506.02 MHz	509898 2549.49 MHz	518598 2592.99 MHz	527298 2636.49 MHz	535998 2679.99 MHz	
20 MHz	30	CP	QPSK	1	1	24.53	24.53	24.54	24.51	24.51	0
				1	49	24.51	24.51	24.52	24.53	24.52	0
				25	12	24.51	24.54	24.55	24.53	24.56	0
				2	0	24.55	24.53	24.56	24.56	24.54	0
				1	0	24.53	24.54	24.49	24.55	24.53	0
				2	49	24.54	24.51	24.56	24.52	24.53	0
				1	50	24.52	24.53	24.54	24.52	24.52	0
				51	0	24.50	24.56	24.55	24.51	24.50	0
			16QAM	1	1	24.51	24.51	24.53	24.57	24.51	0
			64QAM	1	1	24.49	24.53	24.54	24.54	24.53	0
			256QAM	1	1	24.53	24.50	24.51	24.54	24.50	0

NR Band n41(MIMO)_30 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]					MPR [dB]
						502200 2511 MHz	510402 2552.01 MHz	518598 2592.99 MHz	526800 2634 MHz	534996 2674.98 MHz	
30 MHz	30	CP	QPSK	1	1	24.49	24.55	24.55	24.52	24.50	0
				1	76	24.56	24.50	24.52	24.56	24.53	0
				39	19	24.50	24.52	24.54	24.52	24.52	0
				2	0	24.55	24.57	24.52	24.53	24.52	0
				1	0	24.53	24.51	24.52	24.55	24.52	0
				2	76	24.52	24.51	24.54	24.49	24.55	0
				1	77	24.55	24.50	24.56	24.51	24.54	0
				78	0	24.50	24.54	24.52	24.54	24.53	0
			16QAM	1	1	24.55	24.55	24.53	24.54	24.54	0
			64QAM	1	1	24.50	24.52	24.52	24.49	24.52	0
			256QAM	1	1	24.53	24.51	24.54	24.52	24.53	0

NR Band n41(MIMO)_40 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]					MPR [dB]
						503202 2516.01 MHz	513468 2567.34 MHz		523734 2618.67 MHz	534000 2670 MHz	
40 MHz	30	CP	QPSK	1	1	24.49	24.50		24.53	24.54	0
				1	104	24.49	24.51		24.52	24.55	0
				53	26	24.52	24.52		24.52	24.52	0
				2	0	24.50	24.49		24.54	24.49	0
				1	0	24.53	24.54		24.54	24.50	0
				2	104	24.49	24.48		24.53	24.53	0
				1	105	24.51	24.52		24.50	24.56	0
				106	0	24.53	24.52		24.50	24.54	0
			16QAM	1	1	24.53	24.52		24.51	24.48	0
			64QAM	1	1	24.55	24.51		24.55	24.54	0
			256QAM	1	1	24.50	24.53		24.51	24.50	0

NR Band n41(MIMO)_50 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]					MPR [dB]
						504204 2521.02 MHz		518598 2592.99 MHz		532998 2664.99 MHz	
50 MHz	30	CP	QPSK	1	1	24.56		24.52		24.50	0
				1	131	24.51		24.52		24.54	0
				67	33	24.52		24.51		24.51	0
				2	0	24.55		24.52		24.48	0
				1	0	24.52		24.53		24.52	0
				2	131	24.52		24.57		24.54	0
				1	132	24.50		24.52		24.54	0
				78	0	24.53		24.54		24.56	0
			16QAM	1	1	24.53		24.50		24.51	0
			64QAM	1	1	24.56		24.53		24.53	0
			256QAM	1	1	24.52		24.53		24.52	0

NR Band n41(MIMO)_60 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]				MPR [dB]	
						505200 2526 MHz		518598 2592.99 MHz			531996 2659.98 MHz
60 MHz	30	CP	QPSK	1	1	24.54		24.49		24.54	0
				1	160	24.54		24.52		24.53	0
				81	40	24.55		24.50		24.54	0
				2	0	24.55		24.55		24.51	0
				1	0	24.53		24.52		24.57	0
				2	160	24.55		24.52		24.53	0
				1	161	24.50		24.52		24.52	0
				162	0	24.53		24.52		24.53	0
			16QAM	1	1	24.53		24.53		24.53	0
			64QAM	1	1	24.53		24.57		24.52	0
			256QAM	1	1	24.55		24.52		24.54	0

NR Band n41(MIMO)_80 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]				MPR [dB]	
						507204 2536.02 MHz					529998 2649.99 MHz
80 MHz	30	CP	QPSK	1	1	24.49				24.49	0
				1	215	24.55				24.52	0
				109	54	24.55				24.52	0
				2	0	24.52				24.55	0
				1	0	24.56				24.55	0
				2	215	24.52				24.56	0
				1	216	24.50				24.55	0
				217	0	24.56				24.51	0
			16QAM	1	1	24.55				24.55	0
			64QAM	1	1	24.52				24.51	0
			256QAM	1	1	24.52				24.56	0

NR Band n41(MIMO)_90 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]					MPR [dB]
						508200 2541 MHz				528996 2644.98 MHz	
90 MHz	30	CP	QPSK	1	1	24.50				24.51	0
				1	243	24.55				24.51	0
				123	61	24.49				24.52	0
				2	0	24.51				24.52	0
				1	0	24.55				24.54	0
				2	243	24.55				24.52	0
				1	244	24.52				24.53	0
				245	0	24.55				24.53	0
			16QAM	1	1	24.54				24.57	0
			64QAM	1	1	24.49				24.53	0
			256QAM	1	1	24.53				24.52	0

NR Band n41(MIMO)_100 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]				MPR [dB]
								518598 2592.99 MHz		
100 MHz	30	CP	QPSK	1	1			24.52		0
				1	271			24.59		0
				137	68			24.60		0
				2	0			24.53		0
				1	0			24.54		0
				2	271			24.53		0
				1	272			24.52		0
				273	0			24.55		0
			16QAM	1	1			24.51		0
			64QAM	1	1			24.52		0
			256QAM	1	1			24.54		0

NR Band n77(MIMO) Conducted_Power

NR Band n77(MIMO)_20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]						MPR [dB]
						647334 3710.01 MHz	650800 3762 MHz	654266 3813.993 MHz	657734 3866.01 MHz	661200 3918 MHz	664666 3969.99 MHz	
20 MHz	30	CP	QPSK	1	1	24.37	24.36	24.36	24.36	24.40	24.39	0
				1	49	24.38	24.38	24.35	24.34	24.40	24.38	0
				25	12	24.39	24.34	24.38	24.37	24.39	24.40	0
				2	0	24.38	24.37	24.37	24.36	24.40	24.40	0
				1	0	24.37	24.39	24.40	24.38	24.36	24.41	0
				2	49	24.40	24.37	24.35	24.36	24.39	24.39	0
				1	50	24.36	24.36	24.39	24.41	24.37	24.34	0
				51	0	24.34	24.37	24.37	24.39	24.40	24.38	0
			16QAM	1	1	24.38	24.38	24.37	24.38	24.37	24.38	0
			64QAM	1	1	24.39	24.38	24.37	24.35	24.39	24.37	0
			256QAM	1	1	24.35	24.34	24.37	24.38	24.39	24.40	0

NR Band n77(MIMO)_30 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]						MPR [dB]
						647668 3715.02 MHz	651000 3765 MHz	654334 3815.01 MHz	657666 3864.99 MHz	661000 3915 MHz	664332 3964.98 MHz	
30 MHz	30	CP	QPSK	1	1	24.37	24.36	24.34	24.36	24.33	24.39	0
				1	76	24.35	24.34	24.36	24.33	24.35	24.36	0
				39	19	24.37	24.37	24.35	24.36	24.32	24.38	0
				2	0	24.36	24.36	24.31	24.34	24.32	24.35	0
				1	0	24.39	24.36	24.36	24.36	24.36	24.37	0
				2	76	24.34	24.37	24.34	24.35	24.33	24.36	0
				1	77	24.33	24.38	24.35	24.34	24.34	24.36	0
				78	0	24.35	24.40	24.37	24.36	24.33	24.37	0
			16QAM	1	1	24.37	24.37	24.37	24.34	24.31	24.35	0
			64QAM	1	1	24.38	24.38	24.34	24.37	24.37	24.38	0
			256QAM	1	1	24.40	24.36	24.37	24.37	24.32	24.35	0

NR Band n77(MIMO)_40 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]						MPR [dB]
						648000 3720 MHz	651200 3768 MHz	654400 3816 MHz	657600 3864 MHz	660800 3912 MHz	664000 3960 MHz	
40 MHz	30	CP	QPSK	1	1	24.35	24.38	24.33	24.34	24.37	24.35	0
				1	104	24.35	24.36	24.33	24.35	24.35	24.37	0
				53	26	24.36	24.39	24.35	24.35	24.38	24.37	0
				2	0	24.36	24.33	24.33	24.36	24.35	24.33	0
				1	0	24.39	24.35	24.37	24.33	24.39	24.35	0
				2	104	24.36	24.38	24.36	24.38	24.36	24.32	0
				1	105	24.34	24.37	24.35	24.37	24.32	24.37	0
				106	0	24.33	24.34	24.34	24.35	24.38	24.36	0
			16QAM	1	1	24.35	24.33	24.35	24.38	24.35	24.36	0
			64QAM	1	1	24.34	24.33	24.34	24.33	24.34	24.35	0
			256QAM	1	1	24.35	24.33	24.38	24.39	24.37	24.36	0

NR Band n77(MIMO)_50 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]					MPR [dB]	
						648334 3725.01 MHz	652166 3782.49 MHz	656000 3840 MHz		659834 3897.51 MHz		663666 3954.99 MHz
50 MHz	30	CP	QPSK	1	1	24.38	24.34	24.38		24.32	24.37	0
				1	131	24.37	24.34	24.38		24.39	24.35	0
				67	33	24.36	24.39	24.36		24.40	24.34	0
				2	0	24.36	24.37	24.35		24.37	24.33	0
				1	0	24.37	24.38	24.36		24.35	24.34	0
				2	131	24.38	24.35	24.34		24.34	24.38	0
				1	132	24.33	24.32	24.37		24.34	24.34	0
				133	0	24.34	24.39	24.38		24.31	24.38	0
			16QAM	1	1	24.35	24.33	24.36		24.38	24.38	0
			64QAM	1	1	24.36	24.33	24.36		24.36	24.37	0
			256QAM	1	1	24.38	24.32	24.38		24.34	24.33	0

NR Band n77(MIMO)_60 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]						MPR [dB]
						648668 3730.02 MHz	653556 3803.34 MHz			658444 3876.66 MHz	663332 3949.98 MHz	
60 MHz	30	CP	QPSK	1	1	24.35	24.34			24.39	24.38	0
				1	160	24.37	24.37			24.38	24.39	0
				81	40	24.34	24.40			24.35	24.35	0
				2	0	24.35	24.39			24.36	24.33	0
				1	0	24.37	24.36			24.35	24.31	0
				2	160	24.35	24.37			24.35	24.35	0
				1	161	24.33	24.32			24.38	24.39	0
				162	0	24.34	24.37			24.31	24.39	0
			16QAM	1	1	24.34	24.36			24.32	24.37	0
			64QAM	1	1	24.35	24.39			24.34	24.35	0
			256QAM	1	1	24.34	24.34			24.35	24.36	0

NR Band n77(MIMO)_70 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]						MPR [dB]
						649000 3735 MHz	653666 3804.99 MHz			658334 3875.01 MHz	663000 3945 MHz	
70 MHz	30	CP	QPSK	1	1	24.36	24.37			24.39	24.33	0
				1	187	24.31	24.39			24.36	24.37	0
				95	47	24.35	24.37			24.32	24.35	0
				2	0	24.32	24.37			24.36	24.35	0
				1	0	24.34	24.37			24.39	24.34	0
				2	187	24.36	24.38			24.34	24.33	0
				1	188	24.36	24.32			24.34	24.40	0
				189	0	24.39	24.35			24.38	24.36	0
			16QAM	1	1	24.32	24.36			24.39	24.37	0
			64QAM	1	1	24.33	24.35			24.34	24.37	0
			256QAM	1	1	24.34	24.33			24.35	24.34	0

NR Band n77(MIMO)_80 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]					MPR [dB]	
						649334 3740.01 MHz		656000 3840 MHz		662666 3939.99 MHz		
80 MHz	30	CP	QPSK	1	1	24.38		24.35		24.34		0
				1	215	24.36		24.39		24.34		0
				109	54	24.36		24.32		24.37		0
				2	0	24.34		24.32		24.33		0
				1	0	24.35		24.37		24.34		0
				2	215	24.33		24.35		24.34		0
				1	216	24.37		24.37		24.36		0
				217	0	24.35		24.32		24.32		0
			16QAM	1	1	24.33		24.38		24.37		0
			64QAM	1	1	24.33		24.36		24.39		0
			256QAM	1	1	24.37		24.35		24.35		0

NR Band n77(MIMO)_90 MHz Bandwidth Conducted Power

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	CP	QPSK	1	1	24.35		24.36		24.35		0
				1	243	24.34		24.37		24.39		0
				123	61	24.34		24.38		24.36		0
				2	0	24.33		24.36		24.37		0
				1	0	24.33		24.34		24.36		0
				2	243	24.36		24.32		24.36		0
				1	244	24.37		24.34		24.38		0
				245	0	24.36		24.37		24.34		0
			16QAM	1	1	24.37		24.35		24.36		0
			64QAM	1	1	24.34		24.39		24.37		0
			256QAM	1	1	24.37		24.38		24.35		0

NR Band n77(MIMO)_100 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]						MPR [dB]
						650000 3750 MHz		656000 3840 MHz		662000 3930 MHz		
100 MHz	30	CP	QPSK	1	1	24.47		24.34		24.38		0
				1	271	24.32		24.43		24.40		0
				137	68	24.44		24.43		24.36		0
				2	0	24.37		24.43		24.40		0
				1	0	24.34		24.28		24.35		0
				2	271	24.38		24.30		24.33		0
				1	272	24.37		24.27		24.36		0
				273	0	24.35		24.33		24.35		0
			16QAM	1	1	24.36		24.25		24.37		0
			64QAM	1	1	24.38		24.52		24.37		0
			256QAM	1	1	24.37		24.43		24.32		0

NR Band n77_DoD (MIMO)_20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						630668 3460.02MHz	633334 3500.01MHz	636000 3540MHz	
20 MHz	30	CP	QPSK	1	1	24.62	24.57	24.55	0
				1	49	24.63	24.62	24.60	0
				25	12	24.56	24.58	24.58	0
				2	0	24.59	24.62	24.58	0
				1	0	24.58	24.60	24.59	0
				2	49	24.56	24.61	24.60	0
				1	50	24.60	24.64	24.60	0
				51	0	24.58	24.62	24.60	0
			16QAM	1	1	24.64	24.62	24.63	0
			64QAM	1	1	24.58	24.61	24.56	0
			256QAM	1	1	24.59	24.60	24.56	0

NR Band n77_DoD (MIMO)_30 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						631000 3465MHz	633334 3500.01MHz	635666 3534.99MHz	
30 MHz	30	CP	QPSK	1	1	24.56	24.54	24.58	0
				1	76	24.59	24.57	24.54	0
				39	19	24.60	24.58	24.60	0
				2	0	24.55	24.57	24.60	0
				1	0	24.58	24.54	24.61	0
				2	76	24.58	24.60	24.57	0
				1	77	24.59	24.59	24.57	0
				78	0	24.58	24.59	24.58	0
			16QAM	1	1	24.53	24.56	24.59	0
			64QAM	1	1	24.57	24.54	24.59	0
			256QAM	1	1	24.56	24.58	24.62	0

NR Band n77_DoD (MIMO)_40 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						631334 3470.01MHz		635332 3529.98 MHz	
40 MHz	30	CP	QPSK	1	1	24.55		24.56	0
				1	104	24.57		24.58	0
				53	26	24.58		24.61	0
				2	0	24.61		24.54	0
				1	0	24.56		24.59	0
				2	104	24.60		24.59	0
				1	105	24.57		24.60	0
				106	0	24.59		24.60	0
			16QAM	1	1	24.56		24.55	0
			64QAM	1	1	24.58		24.59	0
			256QAM	1	1	24.57		24.59	0

NR Band n77_DoD (MIMO)_50 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
						631668 3475.02MHz		635000 3525MHz	
50 MHz	30	CP	QPSK	1	1	24.57		24.57	0
				1	131	24.55		24.55	0
				67	33	24.57		24.58	0
				2	0	24.61		24.55	0
				1	0	24.59		24.56	0
				2	131	24.57		24.54	0
				1	132	24.60		24.57	0
				133	0	24.58		24.58	0
			16QAM	1	1	24.58		24.57	0
			64QAM	1	1	24.56		24.56	0
			256QAM	1	1	24.56		24.60	0

NR Band n77_DoD (MIMO)_60 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
							633334 3500.01MHz		
60 MHz	30	CP	QPSK	1	1		24.54		0
				1	160		24.61		0
				81	40		24.55		0
				2	0		24.55		0
				1	0		24.57		0
				2	160		24.58		0
				1	161		24.56		0
				162	0		24.55		0
			16QAM	1	1		24.61		0
			64QAM	1	1		24.58		0
			256QAM	1	1		24.59		0

NR Band n77_DoD (MIMO)_70 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
							633334 3500.01MHz		
70 MHz	30	CP	QPSK	1	1		24.61		0
				1	187		24.60		0
				95	47		24.55		0
				2	0		24.61		0
				1	0		24.58		0
				2	187		24.58		0
				1	188		24.62		0
				189	0		24.55		0
			16QAM	1	1		24.60		0
			64QAM	1	1		24.57		0
			256QAM	1	1		24.53		0

NR Band n77_DoD (MIMO)_80 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
							633334 3500.01MHz		
80 MHz	30	CP	QPSK	1	1		24.60		0
				1	215		24.59		0
				109	54		24.60		0
				2	0		24.59		0
				1	0		24.60		0
				2	215		24.62		0
				1	216		24.59		0
				217	0		24.57		0
			16QAM	1	1		24.59		0
			64QAM	1	1		24.55		0
			256QAM	1	1		24.56		0

NR Band n77_DoD (MIMO)_90 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
							633334 3500.01MHz		
90 MHz	30	CP	QPSK	1	1		24.56		0
				1	243		24.58		0
				123	61		24.56		0
				2	0		24.58		0
				1	0		24.59		0
				2	243		24.59		0
				1	244		24.55		0
				245	0		24.58		0
			16QAM	1	1		24.54		0
			64QAM	1	1		24.57		0
			256QAM	1	1		24.59		0

NR Band n77_DoD (MIMO)_100 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max.Average Power [dBm]			MPR [dB]
							633334 3500.01MHz		
100 MHz	30	CP	QPSK	1	1		24.60		0
				1	271		24.59		0
				137	68		24.58		0
				2	0		24.58		0
				1	0		24.56		0
				2	271		24.59		0
				1	272		24.60		0
				273	0		24.59		0
			16QAM	1	1		24.58		0
			64QAM	1	1		24.59		0
			256QAM	1	1		24.60		0

11. System Verification

11.1 Tissue Verification

The head 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
11/05/2025	21.0	750H	705	0.873	43.071	0.889	42.174	- 1.82	+ 2.13
			710	0.871	43.082	0.890	42.148	- 2.11	+ 2.22
			750	0.887	43.012	0.893	41.940	- 0.64	+ 2.56
11/12/2025	22.4	750H	705	0.873	43.106	0.889	42.174	- 1.85	+ 2.21
			710	0.877	43.095	0.890	42.148	- 1.47	+ 2.25
			750	0.890	42.828	0.893	41.940	- 0.36	+ 2.12
11/04/2025	20.9	835H	820	0.933	42.669	0.899	41.577	+ 3.80	+ 2.63
			835	0.932	42.572	0.900	41.500	+ 3.61	+ 2.58
			850	0.936	42.653	0.916	41.500	+ 2.14	+ 2.78
11/07/2025	21.4	1 800H	1 710	1.311	39.974	1.348	40.144	- 2.73	- 0.42
			1 750	1.342	40.116	1.371	40.080	- 2.09	+ 0.09
			1 800	1.375	40.153	1.400	40.000	- 1.82	+ 0.38
10/29/2025	21.7	1 900H	1 710	1.421	39.875	1.400	40.000	+ 1.47	- 0.31
			1 750	1.438	39.642	1.400	40.000	+ 2.74	- 0.89
			1 800	1.453	39.702	1.400	40.000	+ 3.79	- 0.75
11/03/2025	20.7	1 900H	1 850	1.409	39.993	1.400	40.000	+ 0.66	- 0.02
			1 900	1.448	39.545	1.400	40.000	+ 3.39	- 1.14
			1 910	1.442	39.540	1.400	40.000	+ 3.00	- 1.15
11/10/2025	22.0	1 900H	1 850	1.384	40.874	1.400	40.000	- 1.17	+ 2.19
			1 900	1.411	40.748	1.400	40.000	+ 0.79	+ 1.87
			1 910	1.416	40.729	1.400	40.000	+ 1.11	+ 1.82
11/06/2025	20.6	2 600H	2 500	1.879	39.393	1.855	39.140	+ 1.27	+ 0.65
			2 600	1.999	39.046	1.964	39.010	+ 1.76	+ 0.09
			2 690	2.117	38.228	2.062	38.894	+ 2.69	- 1.71
11/18/2025	22.0	3 500H - 3 900H	3 500	2.937	38.266	2.913	37.930	+ 0.82	+ 0.89
			3 550	2.994	38.197	2.964	37.870	+ 1.01	+ 0.86
			3 650	3.091	38.04	3.066	37.760	+ 0.82	+ 0.74
			3 700	3.145	38.057	3.118	37.770	+ 0.87	+ 0.76
			3 750	3.193	38.014	3.169	37.640	+ 0.76	+ 0.99
			3 800	3.248	38.132	3.220	37.590	+ 0.87	+ 1.44
			3 900	3.351	37.707	3.233	37.470	+ 3.65	+ 0.63
			3 970	3.403	37.549	3.394	37.390	+ 0.27	+ 0.43

11.2 System Verification

Input Power: 50 mW

Freq.	Date	Probe (S/N)	Dipole (S/N)	Liquid	Amb. Temp.	Liquid Temp.	1 W Target SAR _{1g} (SPEAG)	50 mW Measured SAR _{1g}	1 W Normalized SAR _{1g}	Dev.	Limit
[MHz]					[°C]	[°C]	[W/kg]	[W/kg]	[W/kg]	[%]	[%]
750	11/05/2025	3903	1014	Head	21.2	21.0	8.80	0.406	8.12	- 7.73	± 10
750	11/12/2025	3903	1014	Head	22.4	22.4	8.80	0.412	8.24	- 6.36	± 10
835	11/04/2025	3903	4d165	Head	20.9	20.9	9.32	0.505	10.10	+ 8.37	± 10
1 800	11/07/2025	3903	2d015	Head	21.5	21.4	38.10	1.78	35.60	- 6.56	± 10
1 900	10/29/2025	3903	5d061	Head	21.8	21.7	38.80	1.88	37.60	- 3.09	± 10
1 900	11/03/2025	3903	5d061	Head	20.8	20.7	38.80	1.89	37.80	- 2.58	± 10
1 900	11/10/2025	3903	5d061	Head	21.8	21.7	38.80	1.91	38.20	- 1.55	± 10
2 600	11/06/2025	3903	1043	Head	20.7	20.6	56.90	2.61	52.20	- 8.26	± 10
3 500	11/18/2025	3903	1040	Head	22.0	22.0	65.20	3.19	63.80	- 2.15	± 10
3 700	11/18/2025	3903	1066	Head	22.0	22.0	67.70	3.15	63.00	- 6.94	± 10
3 900	11/18/2025	3903	1019	Head	22.0	22.0	70.30	3.43	68.60	- 2.42	± 10

11.3 SAR Test System Verification Procedure

SAR measurement was prior to assessment; the system is verified to the ± 10 % of the specifications at each frequency Band by using the system verification kit. (Graphic Plots Attached)

- Cabling the system, using the verification kit equipment.
- For all frequency band, Generate about 50 mW Input level from the signal generator to the Dipole Antenna.
- Dipole antenna was placed below the flat phantom.
- The measured one-gram SAR at the surface of the phantom above the dipole feed-point should be within 10 % of the target reference value.

Note;

SAR Verification was performed according to the FCC KDB 865664 D01v01r04.

12. SAR Test Data Summary

12.1 SAR Measurement Results

UMTS Band 2 SAR												
Freq. (MHz)	Ch.	Mode	Ant.	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Distance (mm)	Meas. 1g SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.
1 880	9400	RMC	1	25.0	24.10	-0.16	Front	25	0.291	1.230	0.358	A1
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Body 1.6 W/kg Averaged over 1 gram					

UMTS Band 4 SAR												
Freq. (MHz)	Ch.	Mode	Ant.	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Distance (mm)	Meas. 1g SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.
1 732.4	1412	RMC	1	25.0	23.55	0.11	Front	25	0.192	1.396	0.268	A2
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Body 1.6 W/kg Averaged over 1 gram					

UMTS Band 5 SAR												
Freq. (MHz)	Ch.	Mode	Ant.	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Distance (mm)	Meas. 1g SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.
836.6	4183	RMC	1	25.0	24.45	-0.13	Front	25	0.210	1.135	0.238	A3
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Body 1.6 W/kg Averaged over 1 gram					

LTE FDD Band 2 SAR

Freq. (MHz)	Ch.	Mode	Ant.	Band Width (MHz)	Tune- Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Distance (mm)	Meas. 1g SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.
1 880	18900	QPSK	1	20	25.0	24.03	0.08	Front	0	1	99	1:1	25	0.263	1.250	0.329	A4
1 880	18900	QPSK	1	20	24.0	23.29	-0.12	Front	1	50	49	1:1	25	0.243	1.178	0.286	-
ANSI/IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram									

LTE FDD Band 5 SAR

CC	Freq. (MHz)	Ch.	Mode	Ant.	Band Width (MHz)	Tune- Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Distance (mm)	Meas. 1g SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.
	836.5	20525	QPSK	1	10	25.2	24.55	-0.07	Front	0	1	0	1:1	25	0.304	1.161	0.353	-
	836.5	20525	QPSK	1	10	24.2	23.83	0.11	Front	1	25	12	1:1	25	0.288	1.089	0.314	-
Up-link Carrier Aggregation (5C)																		
PCC	836.5	20525	QPSK	1	10	25.2	24.69	-0.17	Front	0	1	0	1:1	25	0.467	1.125	0.525	A5
SCC	829.3	20453	QPSK	1	5					0	1	49						
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram									

LTE FDD Band 7 SAR

CC	Freq. (MHz)	Ch.	Mode	Ant.	Band Width (MHz)	Tune- Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Distance (mm)	Meas. 1g SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.
	2 560	21350	QPSK	1	20	25.0	24.27	0.11	Front	0	1	0	1:1	25	0.233	1.183	0.276	A6
	2 560	21350	QPSK	1	20	24.0	23.40	-0.15	Front	1	50	49	1:1	25	0.135	1.148	0.155	-
Up-link Carrier Aggregation (5C)																		
PCC	2 560	21350	QPSK	1	20	25.0	24.24	0.16	Front	0	1	0	1:1	25	0.210	1.191	0.250	-
SCC	2 540.2	21152	QPSK	1	20					0	1	99						
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram									

LTE FDD Band 12 SAR

Freq. (MHz)	Ch.	Mode	Ant.	Band Width (MHz)	Tune- Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Distance (mm)	Meas. 1g SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.
707.5	23095	QPSK	1	10	25.2	24.42	-0.05	Front	0	1	0	1:1	25	0.452	1.197	0.541	A7
707.5	23095	QPSK	1	10	24.2	23.49	-0.01	Front	1	25	12	1:1	25	0.361	1.178	0.425	-
ANSI/IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram								

LTE FDD Band 13 SAR

Freq. (MHz)	Ch.	Mode	Ant.	Band Width (MHz)	Tune- Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Distance (mm)	Meas. 1g SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.
782	23230	QPSK	1	10	25.0	23.95	0.16	Front	0	1	0	1:1	25	0.318	1.274	0.405	A8
782	23230	QPSK	1	10	24.0	23.11	0.04	Front	1	25	0	1:1	25	0.266	1.227	0.326	-
ANSI/IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram								

LTE FDD Band 14 SAR

Freq. (MHz)	Ch.	Mode	Ant.	Band Width (MHz)	Tune- Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Distance (mm)	Meas. 1g SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.
793	23330	QPSK	1	10	25.0	23.97	-0.06	Front	0	1	0	1:1	25	0.338	1.268	0.429	A9
793	23330	QPSK	1	10	24.0	22.96	-0.10	Front	1	25	0	1:1	25	0.258	1.271	0.328	-
ANSI/IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram									

LTE FDD Band 26 SAR

Freq. (MHz)	Ch.	Mode	Ant.	Band Width (MHz)	Tune- Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Distance (mm)	Meas. 1g SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.
831.5	26865	QPSK	1	15	25.0	23.99	-0.04	Front	0	1	0	1:1	25	0.331	1.262	0.418	A10
831.5	26865	QPSK	1	15	24.0	23.07	0.16	Front	1	36	39	1:1	25	0.283	1.239	0.351	-
ANSI/IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram									

LTE FDD Band 66 SAR																		
CC	Freq. (MHz)	Ch.	Mode	Ant.	Band Width (MHz)	Tune- Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Distance (mm)	Meas. 1g SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.
	1 745	132322	QPSK	1	20	25.0	23.13	0.17	Front	0	1	0	1:1	25	0.209	1.538	0.321	-
	1 745	132322	QPSK	1	20	24.0	22.25	-0.18	Front	1	50	25	1:1	25	0.179	1.496	0.268	-
	1 745	132322	QPSK	1	10	25.0	23.13	-0.06	Front	0	1	0	1:1	25	0.215	1.538	0.331	-
Up-link Carrier Aggregation (66B)																		
PCC	1 745	132223	QPSK	1	10	25.0	23.10	0.07	Front	0	1	0	1:1	25	0.251	1.549	0.389	A11
SCC	1 735.1	132223	QPSK	1	10					0	1	49						
Up-link Carrier Aggregation (66C)																		
PCC	1 745	132322	QPSK	1	20	25.0	23.12	-0.10	Front	0	1	0	1:1	25	0.193	1.542	0.298	-
SCC	1 725.2	132124	QPSK	1	20					0	1	99						
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram									

NR FDD Band n7 SAR

Freq. (MHz)	Ch.	Mode	Ant.	Band Width (MHz)	Tune- Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Distance (mm)	Meas. 1g SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.
2 510	502000	DFT-s QPSK	1	20	25.0	24.30	0.05	Front	0	1	104	1:1	25	0.255	1.175	0.300	-
2 510	502000	DFT-s QPSK	1	20	25.0	24.31	0.19	Front	0	50	28	1:1	25	0.260	1.172	0.305	A12
2 510	502000	CP QPSK	1	20	23.5	22.78	-0.10	Front	1.5	1	1	1:1	25	0.258	1.180	0.304	
ANSI/IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram									

NR FDD Band n12 SAR

Freq. (MHz)	Ch.	Mode	Ant.	Band Width (MHz)	Tune- Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Distance (mm)	Meas. 1g SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.
707.5	141500	DFT-s QPSK	1	15	25.0	23.52	-0.13	Front	0	1	1	1:1	25	0.460	1.406	0.647	A13
707.5	141500	DFT-s QPSK	1	15	25.0	23.40	0.01	Front	0	36	22	1:1	25	0.438	1.445	0.633	-
707.5	141500	CP QPSK	1	15	23.5	22.14	-0.13	Front	1.5	1	1	1:1	25	0.330	1.368	0.451	-
ANSI/IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram									

NR FDD Band n13 SAR

Freq. (MHz)	Ch.	Mode	Ant.	Band Width (MHz)	Tune- Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Distance (mm)	Meas. 1g SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.
782	156400	DFT-s QPSK	1	10	25.0	23.06	0.00	Front	0	1	26	1:1	25	0.384	1.563	0.600	-
782	156400	DFT-s QPSK	1	10	25.0	23.02	-0.07	Front	0	25	14	1:1	25	0.396	1.578	0.625	A14
782	156400	CP QPSK	1	10	23.5	21.55	-0.13	Front	1.5	1	1	1:1	25	0.263	1.567	0.412	-
ANSI/IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram									

NR FDD Band n14 SAR

Freq. (MHz)	Ch.	Mode	Ant.	Band Width (MHz)	Tune- Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Distance (mm)	Meas. 1g SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.
793	158600	DFT-s QPSK	1	10	25.0	23.39	-0.04	Front	0	1	26	1:1	25	0.350	1.449	0.507	A15
793	158600	DFT-s QPSK	1	10	25.0	23.40	-0.16	Front	0	25	14	1:1	25	0.342	1.445	0.494	-
793	158600	CP QPSK	1	10	23.5	21.95	-0.14	Front	1.5	1	1	1:1	25	0.265	1.429	0.379	-
ANSI/IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram									

NR FDD Band n25 SAR

Freq. (MHz)	Ch.	Mode	Ant.	Band Width (MHz)	Tune- Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Distance (mm)	Meas. 1g SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.
1 882.5	376500	DFT-s QPSK	1	20	25.0	23.62	-0.17	Front	0	1	53	1:1	25	0.282	1.374	0.387	A16
1 882.5	376500	DFT-s QPSK	1	20	25.0	23.61	-0.13	Front	0	50	28	1:1	25	0.273	1.377	0.376	-
1 882.5	376500	CP QPSK	1	20	23.5	22.12	0.18	Front	1.5	1	1	1:1	25	0.141	1.374	0.194	-
ANSI/IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram									

NR FDD Band n26 SAR

Freq. (MHz)	Ch.	Mode	Ant.	Band Width (MHz)	Tune- Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Distance (mm)	Meas. 1g SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.
831.5	166300	DFT-s QPSK	1	20	25.0	23.67	-0.15	Front	0	1	1	1:1	25	0.381	1.358	0.517	-
831.5	166300	DFT-s QPSK	1	20	25.0	23.79	-0.13	Front	0	50	28	1:1	25	0.383	1.321	0.506	A17
831.5	166300	CP QPSK	1	20	23.5	22.33	0.12	Front	1.5	1	1	1:1	25	0.272	1.309	0.356	-
ANSI/IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram									

NR FDD Band n66 SAR

Freq. (MHz)	Ch.	Mode	Ant.	Band Width (MHz)	Tune- Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Distance (mm)	Meas. 1g SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.
1 745	349000	DFT-s QPSK	1	40	24.5	23.40	-0.13	Front	0	1	1	1:1	25	0.184	1.288	0.237	-
1 745	349000	DFT-s QPSK	1	40	24.5	23.26	-0.04	Front	0	108	54	1:1	25	0.205	1.330	0.273	A18
1 745	349000	CP QPSK	1	40	23.0	21.91	-0.17	Front	1.5	1	1	1:1	25	0.131	1.285	0.168	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram									

NR FDD Band n71 SAR

Freq. (MHz)	Ch.	Mode	Ant.	Band Width (MHz)	Tune- Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Distance (mm)	Meas. 1g SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.
680.5	136100	DFT-s QPSK	1	20	25.0	23.66	-0.09	Front	0	1	104	1:1	25	0.436	1.361	0.593	-
680.5	136100	DFT-s QPSK	1	20	25.0	23.73	-0.04	Front	0	50	28	1:1	25	0.476	1.340	0.638	A19
680.5	136100	CP QPSK	1	20	23.5	22.17	0.05	Front	1.5	1	1	1:1	25	0.337	1.358	0.458	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram									

NR TDD Band n41 SAR

Freq. (MHz)	Ch.	Mode	Ant.	Band Width (MHz)	Tune- Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Distance (mm)	Meas. 1g SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.
2 592.99	518598	DFT-s QPSK	1	100	26.0	25.67	0.17	Front	0	1	271	1:1	25	0.194	1.079	0.209	-
2 592.99	518598	DFT-s QPSK	1	100	26.0	24.88	0.11	Front	0	135	138	1:1	25	0.234	1.294	0.303	-
2 592.99	518598	CP QPSK	1	100	24.5	23.62	-0.07	Front	1.5	1	1	1:1	25	0.297	1.225	0.364	A20
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram									

NR TDD Band n77 SAR

Freq. (MHz)	Ch.	Mode	Ant.	Band Width (MHz)	Tune- Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Distance (mm)	Meas. 1g SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.
3 750	650000	DFT-s QPSK	1	100	26.0	25.53	-0.12	Front	0	1	1	1:1	25	0.043	1.114	0.048	-
3 750	650000	DFT-s QPSK	1	100	26.0	25.01	-0.11	Front	0	135	69	1:1	25	0.058	1.256	0.073	-
3 750	650000	CP QPSK	1	100	24.5	23.90	-0.17	Front	1.5	1	1	1:1	25	0.031	1.148	0.036	-
3 500.01	633334	DFT-s QPSK	1	100	26.0	25.59	0.18	Front	0	1	1	1:1	25	0.071	1.099	0.078	A21
3 500.01	633334	DFT-s QPSK	1	100	26.0	25.47	-0.04	Front	0	135	69	1:1	25	0.068	1.130	0.077	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram								

NR TDD Band n41 MIMOSAR

Freq. (MHz)	Ch.	Mode	Ant.	Band Width (MHz)	Tune- Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Distance (mm)	Meas. 1g SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.
2 592.99	518598	CP QPSK	1	100	26.0	24.59	-0.15	Front	0	1	271	1:1	25	0.050	1.384	0.069	
2 592.99	518598	CP QPSK	1	100	26.0	24.60	0.11	Front	0	137	68	1:1	25	0.090	1.380	0.124	-
2 592.99	518598	CP QPSK	2	100	26.0	24.59	0.14	Front	0	1	271	1:1	25	0.152	1.384	0.210	-
2 592.99	518598	CP QPSK	2	100	26.0	24.60	0.13	Front	0	137	68	1:1	25	0.169	1.380	0.233	A22
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram								

NR TDD Band n77 MIMO SAR

Freq. (MHz)	Ch.	Mode	Ant.	Band Width (MHz)	Tune- Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Distance (mm)	Meas. 1g SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.
3 750	650000	CP QPSK	1	100	26.0	24.47	-0.05	Front	0	1	1	1:1	25	0.028	1.422	0.040	-
3 750	650000	CP QPSK	1	100	26.0	24.44	-0.04	Front	0	137	68	1:1	25	0.028	1.432	0.040	-
3 500.01	633334	CP QPSK	1	100	26.0	24.60	-0.16	Front	0	1	1	1:1	25	0.030	1.380	0.041	-
3 500.01	633334	CP QPSK	1	100	26.0	24.58	-0.11	Front	0	137	68	1:1	25	0.029	1.387	0.040	
3 750	650000	CP QPSK	2	100	26.0	24.47	-0.17	Front	0	1	1	1:1	25	0.019	1.422	0.027	-
3 750	650000	CP QPSK	2	100	26.0	24.44	-0.16	Front	0	137	68	1:1	25	0.025	1.432	0.036	-
3 500.01	633334	CP QPSK	2	100	26.0	24.60	-0.17	Front	0	1	1	1:1	25	0.037	1.380	0.051	A23
3 500.01	633334	CP QPSK	1	100	26.0	24.58	-0.03	Front	0	137	68	1:1	25	0.031	1.387	0.043	
ANSI/IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram								

12.2 SAR Test Notes

General Notes:

1. The test data reported are the worst-case SAR values according to test procedures specified in IEEE 1528-2013, FCC KDB Procedure.
2. Liquid tissue depth was at least 15.0 cm for all frequencies.
3. The manufacturer has confirmed that the device(s) tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
4. SAR results were scaled to the maximum allowed power to demonstrate compliance per FCC KDB 447498 D01v06.
5. This device utilizes power reduction for some wireless mode and technologies, as outlined in sec. 4 The maximum output power allowed for each transmitter and exposure condition was evaluated for SAR compliance based on expected use conditions and simultaneous scenarios.
6. The SAR test was measured at a distance of 25mm from the antenna on the surface exposed to the user in the device's installation environment. This distance is the SAR separation distance declared by the manufacturer. For detailed information, refer to the technical documentation.

UMTS Notes:

1. The 12.2 kbps RMC mode is the primary mode per KDB 941225 D01v03r01.
2. UMTS SAR was tested under RMC 12.2 kbps with HSPA inactive per KDB publication 941225 D01v03r01. HSPA SAR was not required per the 3G Test Reduction Procedure in KDB Publication 941225 D01v03r01.
3. Per FCC KDB 447498 D01v06, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is 0.8 W/kg then testing at the other channels is not required for such test configuration(s). When the maximum output power variation across the channel highest output power channel was used.

LTE Notes:

1. LTE Considerations: LTE test configurations are determined according to SAR Evaluation Consideration for LTE Devices in FCC KDB 941225 D05v02r05.
2. According to FCC KDB 941225 D05v02r05:
When the reported SAR is 0.8 W/kg, testing of the 100% RB allocation and required test channels is not required. Otherwise, SAR is required for the remaining required test channels using the 1RB, 50%RB and 100%RB allocation with highest output power for that channel. Only one channel, and as reported SAR values for 1RB allocation and 50%RB allocation were less than 1.45W/Kg only the highest power RB offset for each allocation was required.
3. 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 target MPR is indicated alongside the SAR results.
4. When Power reduction is applied, MPR is 0 for some modes.
5. A-MPR was disabled for all SAR tests by setting NS=01 on the base station simulator.
6. SAR test reduction is applied using the following criteria:
Start with the largest channel Bandwidth and measure SAR for QPSK with 1 RB, and 50 % RB allocation, using the RB offset and required test channel combination with the highest maximum output power among RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is >0.8 W/kg, testing for other Channels is performed at the highest output power level for 1RB, and 50 % RB configuration for that channel. Testing for 100% RB configuration is performed at the highest output power level for 100% RB configuration across the Low, Mid and High Channel when the highest reported SAR for 1 RB and 50% RB are >0.8 W/kg, testing for the remaining required channels is not needed because the reported SAR for 100% RB Allocation <1.45 W/kg. Testing for 16-QAM modulation is not required because the reported SAR for QPSK is <1.45 W/kg and its output power is not more than 0.5 dB higher than that a QPSK. Testing for the other channel Bandwidths is not required because the reported SAR for the highest channel Bandwidth is <1.45 W/kg and its output power is not more than 0.5 dB higher than that of the highest channel Bandwidth.
7. This device supports LTE Carrier Aggregation (CA) in Uplink for LTE Band 5B, 7C, 66B, 66C with two component carriers in the uplink. SAR measurements and conducted powers were evaluated per Fall 2017 TCBC Workshop notes (LTE Carrier aggregation).
For LTE Band per 2018 TCBC Workshop notes, SAR was first measured with only a single carrier active in the uplink (carrier aggregation not active). For each exposure condition, the uplink CA scenario with two component carriers was additionally tested for the configuration with the highest SAR when carrier aggregation was not active.
Because the maximum output for UL CA of LTE Bands is $\leq$ standalone LTE mode (without CA), SAR for LTE Band Up link CA was performed at the highest standalone SAR configuration without CA and also UL CA SAR is not required for all required test channels, Because the reported SAR for UL CA configuration is < 1.4 W/kg.
The SCC was configured with the closest available contiguous channel. The two component carriers were configured so the resource blocks are physically allocated side by side to achieve the maximum output power.

NR Notes:

1. This device supports SA and NSA mode for NR implementation. In EN-DC Mode, NR operate with the LTE Bands shown in the NR FR1 checklist acting as anchor Bands.
2. Due to Limitations of the NR TDD SAR measurement equipment, SAR testing for NR TDD Bands was performed separately using test mode (FTM) software.
3. More detailed specifications of the NR Bands are contained in the technical description document.
4. This device additionally supports some EN-DC conditions where additional LTE carriers are added on the downlink only.
5. For NR modulations and RB Sizes/Offsets were selected for testing such that configurations with the highest output power was evaluated for SAR tests.

13. Simultaneous SAR Analysis

This device contains transmitters that may operate simultaneously (ENDC(4G+5G) operations). Therefore, simultaneous transmission analysis is required. Per KDB Publication 447498 D01v06 Sec.4.3.2 and IEEE 1528-2013 Sec.6.3.4.1.2, simultaneous transmission SAR test exclusion may be applied when the sum of 1g SAR and 10g SAR for all the simultaneous transmitting antennas in a specific a physical test configuration is $\leq 1.6\text{W/kg}$ for 1g SAR and $\leq 4\text{ W/kg}$ for 10g SAR. The different test positions in an exposure condition may be considered collectively to determine SAR exclusion according to the sum of 1g or 10g SAR.

Simultaneous Transmission Scenario (EN-DC)					
Band		Position	LTE SAR (W/kg)	NR SAR (W/kg)	Σ 1-g SAR (W/kg)
MIMO1	MIMO1		1	2	1+2
LTE Band 2	NR Band n12	Front	0.329	0.647	0.976
	NR Band n71			0.638	0.967
	NR Band n77			0.078	0.407
LTE Band 5	NR Band n7	Front	0.525	0.305	0.830
	NR Band n66			0.273	0.798
	NR Band n41			0.364	0.889
	NR Band n77			0.078	0.603
LTE Band 7	NR Band n71	Front	0.276	0.638	0.914
	NR Band n77			0.078	0.354
LTE Band 12	NR Band n7	Front	0.541	0.305	0.846
	NR Band n25			0.387	0.928
	NR Band n66			0.273	0.814
	NR Band n77			0.078	0.619
LTE Band 13	NR Band n66	Front	0.405	0.273	0.678
	NR Band n77			0.078	0.483
LTE Band 14	NR Band n66	Front	0.429	0.273	0.702
	NR Band n77			0.078	0.507
LTE Band 26	NR Band n41	Front	0.418	0.364	0.793
	NR Band n77			0.078	0.507
LTE Band 66	NR Band n12	Front	0.389	0.647	1.036
	NR Band n13			0.625	1.014
	NR Band n71			0.638	1.027
	NR Band n77			0.078	0.467

Simultaneous Transmission Scenario (LTE Inter ULCA)					
Band		Position	LTE SAR (W/kg)	LTE SAR (W/kg)	Σ 1-g SAR (W/kg)
MIMO1	MIMO1		1	2	1+2
LTE Band 2	LTE Band 5	Front	0.329	0.525	0.854
	LTE Band 12			0.541	0.870
	LTE Band 13			0.405	0.734
LTE Band 5	LTE Band 66	Front	0.525	0.389	0.914
LTE Band 12	LTE Band 66	Front	0.541	0.389	0.930
LTE Band 13	LTE Band 66	Front	0.405	0.389	0.794

Simultaneous Transmission Scenario (NR MIMO)					
Band		Position	NR SAR (W/kg)	NR SAR (W/kg)	Σ 1-g SAR (W/kg)
MIMO1	MIMO2		1	2	1+2
NR Band n41	NR Band n41	Front	0.124	0.233	0.357
NR Band n77	NR Band n77	Front	0.041	0.051	0.092

14. Measurement Uncertainty

The measured SAR was <1.5 W/Kg for 1g SAR and <3.75 W/Kg, for 10g SAR for all frequency Bands. Therefore, per KDB Publication 865664 D01v01r04, the extended measurement uncertainty analysis per IEEE1528-2013 was not required.

15. SAR Test Equipment

Manufacturer	Type / Model	S/N	Calib. Date	Calib.Interval	Calib.Due
SPEAG	Triple Phantom	-	N/A	N/A	N/A
HP	SAR System Control PC	-	N/A	N/A	N/A
Staubli	CS8Cspeag-TX60L	F10/5D1CA1/C/01	N/A	N/A	N/A
Staubli	TX60 Xlspeag	F10/5D1CA1/A/01	N/A	N/A	N/A
Staubli	Teach Pendant (Joystick)	D21142106	N/A	N/A	N/A
Staubli	175-H1/Thermometer	44606559906	03/20/2025	Annual	03/20/2026
Staubli	DAE	652	06/19/2025	Annual	06/19/2026
Staubli	E-Field Probe EX3DV4	3903	07/23/2025	Annual	07/23/2026
SPEAG	Dipole D750V3	1014	05/20/2025	Annual	05/20/2026
SPEAG	Dipole D835V2	4d165	04/14/2025	Annual	04/14/2026
SPEAG	Dipole D1800V2	2d015	04/17/2025	Annual	04/17/2026
SPEAG	Dipole D1900V2	5d061	01/20/2025	Annual	01/20/2026
SPEAG	Dipole D2600V2	1043	05/22/2025	Annual	05/22/2026
SPEAG	Dipole D3500V2	1040	01/16/2025	Annual	01/16/2026
SPEAG	Dipole D3700V2	1066	09/15/2025	Annual	09/15/2026
SPEAG	Dipole D3900V2	1019	05/21/2025	Annual	05/21/2026
Agilent	Power Meter E4419B	MY41291386	09/13/2025	Annual	09/13/2026
Agilent	Power Meter N1911A	MY45101406	05/19/2025	Annual	05/19/2026
Agilent	Power Sensor 8481A	SG1091286	09/09/2025	Annual	09/09/2026
HP	Power Sensor 8481A	MY41090873	01/13/2025	Annual	01/13/2026
Agilent	Wideband Power Sensor N1921A	MY55220026	08/07/2025	Annual	08/07/2026
Agilent	11636B/Power Divider	58698	01/13/2025	Annual	01/13/2026
SPEAG	DAKS 3.5	1038	01/20/2025	Annual	01/20/2026
HP	Network analyzer	JP38451384	08/19/2025	Annual	08/19/2026
Keysight	MXA Signal Analyzer	MY49100108	01/07/2025	Annual	01/07/2026
Protek	NETWORK ANALYZER	X11-15305	02/10/2025	Annual	02/10/2026
R&S	Wireless Communication Test Set CMW500	115733	03/20/2025	Annual	03/20/2026
Agilent	SIGNAL GENERATOR N5182A	MY47070230	03/18/2025	Annual	03/18/2026
EMPOWER	RF Power Amplifier	1084	05/20/2025	Annual	05/20/2026
EMPOWER	RF Power Amplifier	1041D/C0508	05/20/2025	Annual	05/20/2026
EMPOWER	RF Power Amplifier	1011	09/15/2025	Annual	09/15/2026
MICRO LAB	LP Filter / LA-15N	10453	09/15/2025	Annual	09/15/2026
MICRO LAB	LP Filter / LA-30N	-	09/15/2025	Annual	09/15/2026
MICRO LAB	LP Filter / LA-60N	32011	09/15/2025	Annual	09/15/2026
Agilent	Attenuator (3dB) 8493B	MY39260298	08/18/2025	Annual	08/18/2026
HP	Attenuator (20dB) 8493C	09271	08/18/2025	Annual	08/18/2026
RF COREA	Attenuator (30dB)	A-0830	06/24/2025	Annual	06/24/2026
Agilent	Directional Bridge 86205A	3140A04581	04/18/2025	Annual	04/18/2026
Agilent	MXA Signal Analyzer N9020A	MY50510407	06/09/2025	Annual	06/09/2026
HP	Dual Directional Coupler	16072	09/15/2025	Annual	09/15/2026
Anritsu	Radio Communication Test Station MT8000A	6262148305	12/23/2024	Annual	12/23/2025
Anritsu	Radio Communication Tester MT8821C	6201502997	05/21/2025	Annual	05/21/2026
Agilent	WIRELESS COMMUNICATION E5515C	MY50260992	05/20/2025	Annual	05/20/2026

Note: All measurements were performed within the valid calibration period of the specific equipment.

* The E-field probe was calibrated by SPEAG, by the waveguide technique procedure. Dipole Verification measurement is performed by HCT Lab. before each test. The brain/body simulating material is calibrated by HCT using the DAKS 3.5 to determine the conductivity and permittivity (dielectric constant) of the brain/body-equivalent material.

16. Conclusion

The SAR and RF Exposure measurement indicates that the EUT complies with the RF radiation exposure limits of the ANSI/ IEEE C95.1 - 2005.

These measurements were taken to simulate the RF effects exposure under worst-case conditions. Precise laboratory measures were taken to assure repeatability of the tests. The results and statements relate only to the item(s) tested.

Please note that the absorption and distribution of electromagnetic energy in the body are very complex phenomena that depend on the mass, shape, and size of the body, the orientation of the body with respect to the field vectors, and the electrical properties of both the body and the environment. Other variables that may play a substantial role in possible biological effects are those that characterize the environment (e.g. ambient temperature, air velocity, relative humidity, and body insulation) and those that characterize the individual (e.g. age, gender, activity level, debilitation, or disease). Because various factors may interact with one another to vary the specific biological outcome of an exposure to electromagnetic fields, any protection guide should consider maximal amplification of biological effects as a result of field-body interactions, environmental conditions, and physiological variables.

17. References

- [1] Federal Communications Commission, ET Docket 93-62, Guidelines for Evaluating the Environmental Effects of Radio frequency Radiation, Aug. 1996.
- [2] ANSI/IEEE C95.1 - 2005, American National Standard safety levels with respect to human exposure to radio frequency electromagnetic fields, 300 kHz to 300 GHz, New York: IEEE, Sept. 1992
- [3] ANSI/IEEE C 95.1 - 2005, American National Standard safety levels with respect to human exposure to radio frequency electromagnetic fields, 3 kHz to 300 GHz, New York: IEEE, 2006
- [4] ANSI/IEEE C95.3 - 2002, IEEE Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields - RF and Microwave, New York: December 2002.
- [5] IEEE Standards Coordinating Committee 34 – IEEE Std. 1528-2013, IEEE Recommended Practice or Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices
- [6] NCRP, National Council on Radiation Protection and Measurements, Biological Effects and Exposure Criteria for Radio Frequency Electromagnetic Fields, NCRP Report No. 86, 1986. Reprinted Feb. 1995.
- [7] T. Schmid, O. Egger, N. Kuster, Automated E-field scanning system for dosimetric assessments, IEEE Transaction on Microwave Theory and Techniques, vol. 44, Jan. 1996, pp. 105-113.
- [8] K. Pokovic, T. Schmid, N. Kuster, Robust setup for precise calibration of E-field probes in tissue simulating liquids at mobile communications frequencies, ICECOM97, Oct. 1997, pp. 120-124.
- [9] K. Pokovic, T. Schmid, and N. Kuster, E-field Probe with improved isotropy in brain simulating liquids, Proceedings of the ELMAR, Zadar, Croatia, June 23-25, 1996, pp. 172-175.
- [10] Schmid & Partner Engineering AG, Application Note: Data Storage and Evaluation, June 1998, p2.
- [11] V. Hombach, K. Meier, M. Burkhardt, E. Kuhn, N. Kuster, The Dependence of EM Energy Absorption upon Human Head Modeling at 900 MHz, IEEE Transaction on Microwave Theory and Techniques, vol. 44 no. 10, Oct. 1996, pp. 1865-1873.
- [12] N. Kuster and Q. Balzano, Energy absorption mechanism by biological bodies in the near field of dipole antennas above 300 MHz, IEEE Transaction on Vehicular Technology, vol. 41, no. 1, Feb. 1992, pp. 17-23.
- [13] G. Hartsgrove, A. Kraszewski, A. Surowiec, Simulated Biological Materials for Electromagnetic Radiation Absorption Studies, University of Ottawa, Bioelectromagnetics, Canada: 1987, pp. 29-36.
- [14] Q. Balzano, O. Garay, T. Manning Jr., Electromagnetic Energy Exposure of Simulated Users of Portable Cellular Telephones, IEEE Transactions on Vehicular Technology, vol. 44, no.3, Aug. 1995.
- [15] W. Gander, Computer mathematic, Birkhaeuser, Basel, 1992.
- [16] W.H. Press, S.A. Teukolsky, W.T. Vetterling, and B.P. Flannery, Numerical Recipes in C, The Art of Scientific Computing, Second edition, Cambridge University Press, 1992.
- [17] N. Kuster, R. Kastle, T. Schmid, Dosimetric evaluation of mobile communications equipment with known precision, IEEE Transaction on Communications, vol. E80-B, no. 5, May 1997, pp. 645-652.
- [18] CENELEC CLC/SC111B, European Prestandard (prENV 50166-2), Human Exposure to Electromagnetic Fields High-frequency: 10 kHz-300 GHz, Jan. 1995.
- [19] Prof. Dr. Niels Kuster, ETH, Eidgenössische Technische Hochschule Zürich, Dosimetric Evaluation of the Cellular Phone.

- [20] IEC 62209-1, Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Human models, instrumentation and procedures – Part 1: Procedure to determine the specific absorption rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz), July. 2016..
- [21] IEC 62209-2, Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Human models, instrumentation, and procedures – Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz) Mar. 2010.
- [22] Industry Canada RSS-102 Radio Frequency Exposure Compliance of Radio Communication Apparatus (All Frequency Band) Issue 5, March 2015.
- [23] Health Canada Safety Code 6 Limits of Human Exposure to Radio Frequency Electromagnetic Fields in the Frequency range from 3 kHz – 300 GHz, 2009
- [24] FCC SAR Test procedures for 2G-3G Devices, Mobile Hotspot and UMPC Device KDB 941225 D01.
- [25] SAR Measurement Guidance for IEEE 802.11 transmitters, KDB 248227 D01v02r02
- [26] SAR Evaluation of Handsets with Multiple Transmitters and Antennas KDB 648474 D03, D04.
- [27] SAR Evaluation for Laptop, Notebook, Netbook and Tablet computers KDB 616217 D04.
- [28] SAR Measurement and Reporting Requirements for 100 MHz – 6 GHz, KDB 865664 D01, D02.
- [29] FCC 447498 D01 General RF Exposure Guidance v06

Appendix A. DUT SETUP PHOTO

Please refer to test DUT setup photo file no. as follows:

Report No.
HCT-SR-2511-FC004-P