

TEST REPORT

FCC SAR Test for TM15FNEUJL0
Certification

APPLICANT
LG Electronics Inc.

REPORT NO.
HCT-SR-2503-FC002-R2

DATE OF ISSUE
April 10, 2025

Tested by
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TEST REPORT

FCC SAR Test for
certification

REPORT NO.**HCT-SR-2503-FC002-R2****DATE OF ISSUE****Apr. 10, 2025****FCC ID****BEJTM15FNEUJL0****Applicant****LG Electronics Inc.**

128, Yeoui-daero, Yeongdeungpo-gu, Seoul, Republic of Korea

Product Name

Telematics

Model Name

TM15FNEUJL0

Host Model Name

TVJLPENN5E2

Date of Test

Jan. 14, 2025~ Jan. 21, 2025

Location of Test

☒ Permanent Testing Lab ☐ On Site Testing Lab
(Address: 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si,
Gyeonggi-do, 17383 KOREA)

FCC Rule Part(s)

CFR § 2.1093

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	Mar. 12, 2025	Initial Release
1	Mar. 17, 2025	Revised Sec.3.1
2	Apr. 10, 2025	Revised Product Name

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).

CONTENTS

1. Test Regulations	5
2. Test Location	6
3. Information of the EUT	6
4. Device Under Test Description	8
5. SAR Test Considerations within Host Platform	20
6. Introduction	21
7. Description of test equipment	22
8. SAR Measurement Procedure.....	23
9. RF EXPOSURE LIMITS	25
10. SAR Test Considerations	26
11. Output Power Specifications	29
12. System Verification	142
13. SAR Test Data Summary	145
14. Simultaneous SAR Analysis	156
15. Measurement Uncertainty.....	157
16. SAR Test Equipment	158
17. Conclusion	159
18. References.....	160
Appendix A. DUT Ant. Information & SETUP PHOTO.....	162
Appendix B. SAR Test Plots	
Appendix C. Dipole Verification Plots	
Appendix D. SAR Tissue Characterization	
Appendix E. SAR System Validation	
Appendix F. Probe Calibration Data	
Appendix G. Dipole Calibration Data	

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 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, 17383 KOREA
Telephone	031-645-6300
Fax.	031-645-6401

2.2 Test Facilities

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

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

3. Information of the EUT

3.1 General Information of the EUT

Model Name	TM15FNEUJL0
Equipment Type	Telematics
FCC ID	BEJTM15FNEUJL0
Host Model Name	TVJLPENN5E2
Application Type	Certification
Applicant	LG Electronics Inc.

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
GSM/GPRS/EDGE 850	824.2 MHz ~ 848.8 MHz	PCB	0.040
GSM/GPRS/EDGE 1900	1 850.2 MHz ~ 1 909.8 MHz	PCB	0.034
UMTS Band 5	826.4 MHz ~ 846.6 MHz	PCB	0.000
UMTS Band 4	1 712.4 MHz ~ 1 752.6 MHz	PCB	0.042
UMTS Band 2	1 852.4 MHz ~ 1 907.6 MHz	PCB	0.042
LTE FDD Band 7	2 502.5 MHz ~ 2 567.5 MHz	PCB	0.000
LTE FDD Band 12(17)	699.7 MHz ~ 715.3 MHz	PCB	0.060
LTE FDD Band 13	779.5 MHz ~ 784.5 MHz	PCB	0.053
LTE FDD Band 14	790.5 MHz ~ 795.5 MHz	PCB	0.057
LTE FDD Band 25(2) (PCS)	1 850.7 MHz ~ 1 914.3 MHz	PCB	0.039
LTE FDD Band 26(5) (Cell)	814.7 MHz ~ 848.3 MHz	PCB	0.041
LTE TDD Band 41(38)	2 498.5 MHz ~ 2 687.5 MHz	PCB	0.000
LTE TDD Band 42	3 402.5 MHz ~ 3 547.5 MHz	PCB	0.000
LTE FDD Band 66(4) (AWS)	1 710.7 MHz ~ 1 779.3 MHz	PCB	0.042
NR FDD Band n7	2 502.5 MHz ~ 2 567.5 MHz	PCB	0.035
NR FDD Band n12	701.5 MHz ~ 713.5 MHz	PCB	0.119
NR FDD Band n13	779.5 MHz ~ 784.5 MHz	PCB	0.080
NR FDD Band n14	790.5 MHz ~ 795.5 MHz	PCB	0.093
NR FDD Band n25(2) (PCS)	1 852.5 MHz ~ 1 912.5 MHz	PCB	0.069
NR FDD Band n26(5)	816.5 MHz ~ 846.5 MHz	PCB	0.077
NR TDD Band n41(38)	2 506.02 MHz ~ 2 679.99 MHz	PCB	0.031
NR FDD Band n66	1 712.5 MHz ~ 1 777.5 MHz	PCB	0.043
NR FDD Band n71	665.5 MHz ~ 695.5 MHz	PCB	0.131
NR TDD Band n77(78)	3 460.02 MHz ~ 3 540 MHz 3 710.01 MHz ~ 3 969.99 MHz	PCB	0.045
Simultaneous SAR per KDB 690783 D01v01r03			0.17
Date(s) of Tests:	Jan. 14, 2025~ Jan. 21, 2025		

4. Device Under Test Description

4.1 DUT specification

Device Wireless specification overview		
Band & Mode	Operating Mode	Tx Frequency
GSM850	Data	824.2 MHz ~ 848.8 MHz
GSM1900	Data	1 850.2 MHz ~ 1 909.8 MHz
UMTS Band 2	Data	1 852.4 MHz ~ 1 907.6 MHz
UMTS Band 4	Data	1 712.4 MHz ~ 1 752.6 MHz
UMTS Band 5	Data	826.4 MHz ~ 846.6 MHz
LTE FDD Band 2 (PCS)	Data	1 850.7 MHz ~ 1 909.3 MHz
LTE FDD Band 4 (AWS)	Data	1 710.7 MHz ~ 1 754.3 MHz
LTE FDD Band 5 (Cell)	Data	824.7 MHz ~ 848.3 MHz
LTE FDD Band 7	Data	2 502.5 MHz ~ 2 567.5 MHz
LTE FDD Band 12	Data	699.7 MHz ~ 715.3 MHz
LTE FDD Band 13	Data	779.5 MHz ~ 784.5 MHz
LTE FDD Band 14	Data	790.5 MHz ~ 795.5 MHz
LTE FDD Band 17	Data	706.5 MHz ~ 713.5 MHz
LTE FDD Band 25	Data	1 850.7 MHz ~ 1 914.3 MHz
LTE FDD Band 26	Data	814.7 MHz ~ 848.3 MHz
LTE TDD Band 38	Data	2 572.5 MHz ~ 2 617.5 MHz
LTE TDD Band 41	Data	2 498.5 MHz ~ 2 687.5 MHz
LTE TDD Band 42	Data	3 402.5 MHz ~ 3 547.5 MHz
LTE FDD Band 66 (AWS)	Data	1 710.7 MHz ~ 1 779.3 MHz
NR FDD Band n2 (PCS)	Data	1 852.5 MHz ~ 1 907.5 MHz
NR FDD Band n5	Data	826.5 MHz ~ 846.5 MHz
NR FDD Band n7	Data	2 502.5 MHz ~ 2 567.5 MHz
NR FDD Band n12	Data	701.5 MHz ~ 713.5 MHz
NR FDD Band n13	Data	779.5 MHz ~ 784.5 MHz
NR FDD Band n14	Data	790.5 MHz ~ 795.5 MHz
NR FDD Band n25 (PCS)	Data	1 852.5 MHz ~ 1 912.5 MHz
NR FDD Band n26	Data	816.5 MHz ~ 846.5 MHz
NR TDD Band n38	Data	2 575 MHz ~ 2 615 MHz
NR TDD Band n41	Data	2 501.01 MHz ~ 2 685 MHz
NR FDD Band n66	Data	1 712.5 MHz ~ 1 777.5 MHz
NR FDD Band n71	Data	665.5 MHz ~ 695.5 MHz
NR TDD Band n77	Data	3 710.01 MHz ~ 3 969.99 MHz
NR TDD Band n77 DoD	Data	3 460.02 MHz ~ 3 540 MHz
NR TDD Band n78	Data	3 710.01 MHz ~ 3 789.99 MHz
NR TDD Band n78 DoD	Data	3 460.02 MHz ~ 3 540 MHz
Device Description		
Device Serial Numbers	Mode	Serial Number
	GSM 850, GSM 1900	410VIXV000308
	UMTS Band 2,4,5	501VIXV900167
	LTE Band 7,12,13,14,25,26,41,42,66	
Device Serial Numbers	NR Band n7, n12, n13, n14, n25, n26, n41, n66, n71, n77	
	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.

4.2.1 2G/3G/4G/5G Nominal Output Power

A. GSM Modes

GSM/GPRS/EDGE 850									
Power Level	Voice (in dBm)	Data - Burst Average GMSK (in dBm)				Data - Burst Average 8-PSK (in dBm)			
	1 TX Slot	1 TX Slots	2 TX Slots	3 TX Slots	4 TX Slots	1 TX Slots	2 TX Slots	3 TX Slots	4 TX Slots
Maximum	35	35	32	30	29	29	26	24	23
Nominal	33	33	30	28	27	27	24	22	21

Tolerance: -2.0 dB ~ +2.0 dB

GSM/GPRS/EDGE 1900									
Power Level	Voice (in dBm)	Data - Burst Average GMSK (in dBm)				Data - Burst Average 8-PSK (in dBm)			
	1 TX Slot	1 TX Slots	2 TX Slots	3 TX Slots	4 TX Slots	1 TX Slots	2 TX Slots	3 TX Slots	4 TX Slots
Maximum	32	32	29	27	26	28	25	23	22
Nominal	30	30	27	25	24	26	23	21	20

Tolerance: -2.0 dB ~ +2.0 dB

B. UMTS Modes

Mode/Band		Max. Modulated Average (dBm)			
		3GPP WCDMA	3GPP HSDPA	3GPP HSUPA	3GPP DC-HSPDA
UMTS Band 5 (850 MHz)	Maximum	25.0	25.0	25.0	25.0
	Nominal	23.0	23.0	23.0	23.0
UMTS Band 4 (1700 MHz)	Maximum	25.0	25.0	25.0	25.0
	Nominal	23.0	23.0	23.0	23.0
UMTS Band 2 (1900 MHz)	Maximum	25.0	25.0	25.0	25.0
	Nominal	23.0	23.0	23.0	23.0

Tolerance: -2.0 dB ~ +2.0 dB

C. LTE Modes

Mode / Band		Max. Modulated Average (dBm)
LTE FDD Band 2	Maximum	25.0
	Nominal	23.0
LTE FDD Band 4	Maximum	25.0
	Nominal	23.0
LTE FDD Band 5	Maximum	25.0
	Nominal	23.0
LTE FDD Band 7	Maximum	25.0
	Nominal	23.0
LTE FDD Band 12	Maximum	25.0
	Nominal	23.0
LTE FDD Band 13	Maximum	25.0
	Nominal	23.0
LTE FDD Band 14	Maximum	25.0
	Nominal	23.0
LTE FDD Band 17	Maximum	25.0
	Nominal	23.0
LTE FDD Band 25	Maximum	25.0
	Nominal	23.0
LTE FDD Band 26	Maximum	25.0
	Nominal	23.0
LTE TDD Band 38	Maximum	25.0
	Nominal	23.0
LTE TDD Band 40	Maximum	25.0
	Nominal	23.0
LTE TDD Band 41	Maximum	25.0
	Nominal	23.0
LTE FDD Band 66	Maximum	25.0
	Nominal	23.0

Tolerance: -2.0 dB ~ +2.0 dB

Mode / Band		Max. Modulated Average (dBm)
LTE TDD Band 42	Maximum	24.5
	Nominal	22.5

Tolerance: -2.5 dB ~ +2.0 dB

D. 5G NR SUB 6

Mode / Band		Max. Modulated Average (dBm)
NR FDD Band n2	Maximum	25.0
	Nominal	23.0
NR FDD Band n5	Maximum	25.0
	Nominal	23.0
NR FDD Band n7	Maximum	25.0
	Nominal	23.0
NR FDD Band n12	Maximum	25.0
	Nominal	23.0
NR FDD Band n13	Maximum	25.0
	Nominal	23.0
NR FDD Band n14	Maximum	25.0
	Nominal	23.0
NR FDD Band n25 (PCS)	Maximum	25.0
	Nominal	23.0
NR FDD Band n26	Maximum	25.0
	Nominal	23.0
NR TDD Band n38	Maximum	25.0
	Nominal	23.0
NR TDD Band n41	Maximum	25.0
	Nominal	23.0
NR FDD Band n66	Maximum	25.0
	Nominal	23.0
NR FDD Band n71	Maximum	25.0
	Nominal	23.0

Tolerance: -2.0 dB ~ +2.0 dB

Mode / Band		Max. Modulated Average (dBm)
NR TDD Band n77	Maximum	24.5
	Nominal	22.5
NR TDD Band n78	Maximum	24.5
	Nominal	22.5

Tolerance: -2.5 dB ~ +2.0 dB

4.3 LTE Information

	Item.	Description
Frequency Range	LTE FDD Band 2 (PCS)	1 850.7 MHz ~ 1 909.3 MHz
	LTE FDD Band 4 (AWS)	1 710.7 MHz ~ 1 754.3 MHz
	LTE FDD Band 5 (Cell)	824.7 MHz ~ 848.3 MHz
	LTE FDD Band 7	2 502.5 MHz ~ 2 567.5 MHz
	LTE FDD Band 12	699.7 MHz ~ 715.3 MHz
	LTE FDD Band 13	779.5 MHz ~ 784.5 MHz
	LTE FDD Band 14	790.5 MHz ~ 795.5 MHz
	LTE FDD Band 17	706.5 MHz ~ 713.5 MHz
	LTE FDD Band 25	1 850.7 MHz ~ 1 914.3 MHz
	LTE FDD Band 26	814.7 MHz ~ 848.3 MHz
	LTE TDD Band 38	2 572.5 MHz ~ 2 617.5 MHz
	LTE TDD Band 41	2 498.5 MHz ~ 2 687.5 MHz
	LTE TDD Band 42	3 402.5 MHz ~ 3 547.5 MHz
	LTE FDD Band 66 (AWS)	1 710.7 MHz ~ 1 779.3 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 17	5 MHz, 10 MHz
	LTE FDD Band 25	1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE FDD Band 26	1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz
	LTE TDD Band 38	5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE TDD Band 41	5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE TDD Band 42	5 MHz, 10 MHz, 15 MHz, 20 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)
	3 MHz	1 851.5 (18615)	1 880.0 (18900)
	5 MHz	1 852.5 (18625)	1 880.0 (18900)
	10 MHz	1 855.0 (18650)	1 880.0 (18900)
	15 MHz	1 857.5 (18675)	1 880.0 (18900)
	20 MHz	1 860.0 (18700)	1 880.0 (18900)
LTE FDD Band 4 (AWS)	1.4 MHz	1 710.7 (19957)	1 732.5 (20175)
	3 MHz	1 711.5 (19965)	1 732.5 (20175)
	5 MHz	1 712.5 (19975)	1 732.5 (20175)
	10 MHz	1 715.0 (20000)	1 732.5 (20175)
	15 MHz	1 717.5 (20025)	1 732.5 (20175)
	20 MHz		1 732.5 (20175)
LTE FDD Band 5 (Cell)	1.4 MHz	824.7 (20407)	836.5 (20525)
	3 MHz	825.5 (20415)	836.5 (20525)
	5 MHz	826.5 (20425)	836.5 (20525)
	10 MHz		836.5 (20525)
LTE FDD Band 7	5 MHz	2 502.5 (20775)	2 535 (21100)
	10 MHz	2 505 (20800)	2 535 (21100)
	15 MHz	2 507.5 (20825)	2 535 (21100)
	20 MHz	2 510 (20850)	2 535 (21100)
LTE FDD Band 12	1.4 MHz	699.7 (23017)	707.5 (23095)
	3 MHz	700.5 (23025)	707.5 (23095)
	5 MHz	701.5 (23035)	707.5 (23095)
	10 MHz		707.5 (23095)
LTE FDD Band 13	5 MHz		782 (23230)
	10 MHz		782 (23230)
LTE FDD Band 14	5 MHz		793 (23330)
	10 MHz		793 (23330)
LTE FDD Band 17	5 MHz	706.5 (23755)	710 (23790)
	10 MHz		710 (23790)
LTE FDD Band 25(PCS)	1.4 MHz	1 850.7 (26047)	1 882.5 (26365)
	3 MHz	1 851.5 (26055)	1 882.5 (26365)
	5 MHz	1 852.5 (26065)	1 882.5 (26365)
	10 MHz	1 855 (26090)	1 882.5 (26365)
	15 MHz	1 857.5 (26115)	1 882.5 (26365)
	20 MHz	1 860 (26140)	1 882.5 (26365)
LTE FDD Band 26 (Cell)	1.4 MHz	814.7 (26697)	831.5 (26865)
	3 MHz	815.5 (26705)	831.5 (26865)
	5 MHz	816.5 (26715)	831.5 (26865)
	10 MHz	819.0 (26740)	831.5 (26865)
	15 MHz		831.5 (26865)
LTE TDD Band 38	5 MHz	2 572.5 (37775)	2 595 (38000)
	10 MHz	2 575 (37800)	2 595 (38000)
	15 MHz	2 577.5 (37825)	2 595 (38000)
	20 MHz	2 580 (37850)	2 595 (38000)

Ch. No.& Freq.(MHz)		Low / Low-Mid		Mid		Mid-High / High		
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)		
LTE TDD Band 41	5 MHz	2 506.0(39750)	2 549.5(40185)	2 593.0(40620)	2 636.5(41055)	2 680.0(41490)		
	10 MHz	2 506.0(39750)	2 549.5(40185)	2 593.0(40620)	2 636.5(41055)	2 680.0(41490)		
	15 MHz	2 506.0(39750)	2 549.5(40185)	2 593.0(40620)	2 636.5(41055)	2 680.0(41490)		
	20 MHz	2 506.0(39750)	2 549.5(40185)	2 593.0(40620)	2 636.5(41055)	2 680.0(41490)		
LTE TDD Band 42	5 MHz	3 402.5(41615)		3 452.5(42115)		3 500(42590)		3 547.5(43065)
	10 MHz	3 405(41640)		3 455(42140)		3 500(42590)		3 545(43040)
	15 MHz	3 407.5(41665)		3 457.5(42165)		3 500(42590)		3 542.5(43015)
	20 MHz	3 410(41690)		3 460(42190)		3 500(42590)		3 540(42990)
UE Category			LTE Rel. 15, DL: Category 19, UL: Category 16					
HPUE Power Class			LTE TDD 41 Power Class 3 : (Duty : 63.3%)					
Modulations Supported in UL			QPSK, 16QAM, 64QAM, 256 QAM					
LTE MPR Permanently implemented per 3GPP TS 36.101 section 6.2.3			Yes					
A-MPR disabled for SAR Testing.			Yes					
LTE Carrier Aggregation			This device supports Inter-Band & Intra-Band DL-link Carrier aggregations					
LTE Release information			This device does not support full CA features on 3GPP Release 17. It supports carrier aggregation, downlink MIMO. All other uplink communications are identical to the release 8 specifications. The following LTE Release 17 Features are not supported: Relay, Hetnet, Enhanced eICl, MDH, cross-carrier Scheduling, Enhanced SC-FDMA.					

4.4 5G NR SUB 6 Information

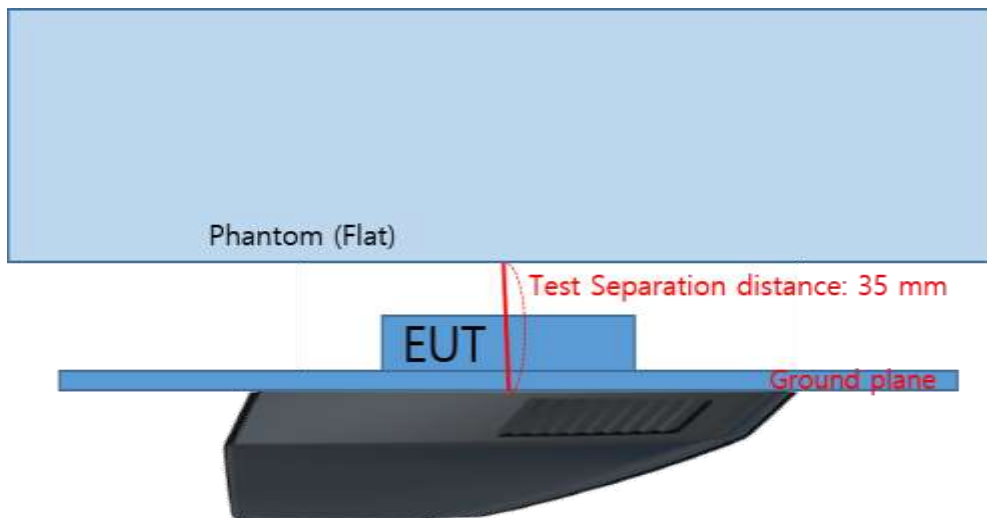
Item.		Description
Frequency Range	NR FDD Band n2 (PCS)	1 852.5 MHz ~ 1 907.5 MHz
	NR FDD Band n5	826.5 MHz ~ 846.5 MHz
	NR FDD Band n7	2502.5 MHz ~ 2567.5 MHz
	NR FDD Band n12	701.5 MHz ~ 713.5 MHz
	NR FDD Band n13	779.5 MHz ~ 784.5 MHz
	NR FDD Band n14	790.5 MHz ~ 795.5 MHz
	NR FDD Band n25 (PCS)	1 852.5 MHz ~ 1 912.5 MHz
	NR FDD Band n26	816.5 MHz ~ 846.5 MHz
	NR TDD Band n38	2 575 MHz ~ 2 615 MHz
	NR TDD Band n41	2 501.01 MHz ~ 2 685 MHz
	NR FDD Band n66	1 712.5 MHz ~ 1 777.5 MHz
	NR FDD Band n71	665.5 MHz ~ 695.5 MHz
	NR TDD Band n77	3 710.01 MHz ~ 3 969.99 MHz
	NR TDD Band n77 DoD	3 460.02 MHz ~ 3 540 MHz
	NR TDD Band n78	3 710.01 MHz ~ 3 789.99 MHz
	NR TDD Band n78 DoD	3 460.02 MHz ~ 3 540 MHz
Channel Bandwidths	NR FDD Band n2 (PCS)	5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 35 MHz, 40 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, 25 MHz, 30 MHz, 35 MHz, 40 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, 25 MHz, 30 MHz, 35 MHz, 40 MHz
	NR FDD Band n26	5 MHz, 10 MHz, 15 MHz, 20 MHz
	NR TDD Band n38	20 MHz
	NR TDD Band n41	20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90 MHz, 100 MHz
	NR FDD Band n66	5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 35 MHz, 40 MHz
	NR FDD Band n71	5 MHz, 10 MHz, 15 MHz, 20 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 n77 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
	NR TDD Band n78 DoD	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)
	10 MHz	1 855(371000)	1 880(376000)
	15 MHz	1 857.5(371500)	1 880(376000)
	20 MHz	1 860(372000)	1 880(376000)
	25 MHz	1 862.5(372500)	1 880(376000)
	30 MHz	1 865(373000)	1 880(376000)
	35 MHz	1 867.5(373500)	1 880(376000)
	40 MHz	1 870(374000)	1 880(376000)
NR FDD Band n5 (Cell)	5 MHz	826.5(165300)	836.5(167300)
	10 MHz		836.5(167300)
	15 MHz		836.5(167300)
	20 MHz		836.5(167300)
NR FDD Band n7	5 MHz	2 502.5(500500)	2 535(507000)
	10 MHz	2 505(501000)	2 535(507000)
	15 MHz	2 507.5(501500)	2 535(507000)
	20 MHz	2 510(502000)	2 535(507000)
	25 MHz	2 512.5(502500)	2 535(507000)
	30 MHz	2 515(503000)	2 535(507000)
	35 MHz	2 517.5(503500)	2 535(507000)
	40 MHz		2 535(507000)
NR FDD Band n12	5 MHz	701.5(140300)	707.5(141500)
	10 MHz		707.5(141500)
	15 MHz		707.5(141500)
NR FDD Band n13	5 MHz	779.5(155900)	782(156400)
	10 MHz		782(156400)
NR FDD Band n14	5 MHz		793(158600)
	10 MHz		793(158600)
NR FDD Band n25	5 MHz	1 852.5(370500)	1 882.5(376500)
	10 MHz	1 855(371000)	1 882.5(376500)
	15 MHz	1 857.5(371500)	1 882.5(376500)
	20 MHz	1 860(372000)	1 882.5(376500)
	25 MHz	1 862.5(372500)	1 882.5(376500)
	30 MHz	1 865(373000)	1 882.5(376500)
	35 MHz		1 882.5(376500)
	40 MHz		1 882.5(376500)
NR FDD Band n26	5 MHz	816.5(163300)	831.5(166300)
	10 MHz	819(163800)	831.5(166300)
	15 MHz	821.5(164300)	
	20 MHz		831.5(166300)
NR TDD Band n38	20 MHz	2 580(516000)	2 595(519000)
NR TDD Band n41	20 MHz	2 506.02(501204)	2 549.49(509898)
	30 MHz	2 511(502200)	2 552.01(510402)
	40 MHz	2 516.01(503202)	2 567.34(513468)
	50 MHz	2 521.02(504204)	
	60 MHz	2 526(505200)	
	70 MHz	2 531.01(506202)	
	80 MHz	2 536.02(507204)	
	90 MHz	2 541(508200)	
	100 MHz		2 592.99(518598)

Ch. No.& Freq.(MHz)		Low / Low-Mid		Mid		Mid-High / High	
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)	
	25 MHz	1 722.5(344500)		1 745(349000)		1 767.5(353500)	
	30 MHz			1 745(349000)			
	35 MHz			1 745(349000)			
NR FDD Band n71	40 MHz			1 745(349000)			
	5 MHz	665.5(133100)		680.5(136100)		695.5(139100)	
	10 MHz	668(133600)		680.5(136100)		693(138600)	
	15 MHz			680.5(136100)			
NR TDD Band n77	20 MHz	3 710.01(647334)	3 762(650800)	3 813.99(654266)	3 866.01(657734)	3 918(661200)	3 969.99(664666)
	30 MHz	3 715.02(647668)	3 765(651000)	3 815.01(654334)	3 864.99(657666)	3 915(661000)	3 964.98(664332)
	40 MHz	3 720(648000)	3 768(651200)	3 816(654400)	3 864(657600)	3 912(660800)	3 960(664000)
	50 MHz	3 725.01(648334)	3 782.49(652166)	3 840(656000)		3 897.51(659834)	3 954.99(663666)
	60 MHz	3 730.02(648668)	3 803.34(653556)			3 876.66(658444)	3 949.98(663332)
	70 MHz	3 735(649000)	3 804.99(654336)			3 875.01(658334)	3 945(663000)
	80 MHz	3 740.01(649334)		3 840(656000)			3 939.99(662666)
	90 MHz	3 745.02(649668)		3 840(656000)		3 934.98(662332)	
	100 MHz	3 750(650000)		3 840(656000)		3 930(662000)	
NR TDD Band n77 (DoD)	20 MHz	3 460.02(630668)		3 500.01(633334)		3 540(636000)	
	30 MHz	3 465(631000)		3 500.01(633334)		3 534.99(635666)	
	40 MHz	3 470.01(631334)				3 529.98(635332)	
	50 MHz	3 475.02(631668)				3 525(635000)	
	60 MHz			3 500.01(633334)			
	70 MHz			3 500.01(633334)			
	80 MHz			3 500.01(633334)			
	90 MHz			3 500.01(633334)			
NR TDD Band n78	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)			
	80 MHz			3 750(650000)			
	90 MHz			3 750(650000)			
	100 MHz			3 750(650000)			

Ch. No.& Freq.(MHz)		Low / Low-Mid	Mid	Mid-High / High
NR TDD Band n78 (DoD)	20 MHz	3 460.02(630668)	3 500.01(633334)	3 540(636000)
	30 MHz	3 465(631000)	3 500.01(633334)	3 534.99(635666)
	40 MHz	3 470.01(631334)		3 529.98(635332)
	50 MHz	3 475.02(631668)		3 525(635000)
	60 MHz		3 500.01(633334)	
	70 MHz		3 500.01(633334)	
	80 MHz		3 500.01(633334)	
	90 MHz		3 500.01(633334)	
	100 MHz		3 500.01(633334)	
Item.			Description	
NR FDD Band n2/n5/n7/n12/n13/n14/n25/n26/n66/n71 SCS			15 kHz	
NR TDD Band n38/n41/n77/n78 SCS			30 kHz	
3GPP Rel.			Rel.15	
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. 5G NR FR1 Bands n2, n5, n7, n12, n13, n66, n71, n77, n78 are supported to NSA and SA Connectivity. n14, n25, n26, n38, n41 is only supported to SA connectivity More detailed specifications of the 5G NR bands are contained in the Technical description document.				
EN-DC Carrier Aggregation Possible Combinations			The technical description includes all the possible carrier aggregation combinations	
LTE Anchor Bands for NR Band n2			LTE Band 5/12/13/14	
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 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 n77			LTE Band 2/5/7/41	
LTE Anchor Bands for NR Band n78			LTE Band 2/5/7/12/38/41/66	

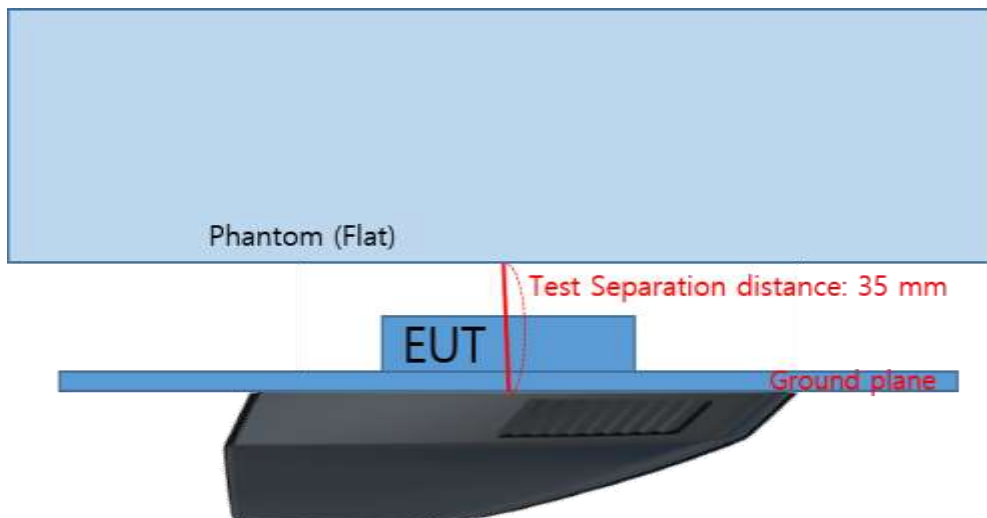
4.5 DUT Antenna Locations



5. SAR Test Considerations within Host Platform

5.1 host platform test requirements Per KDB Publication 447498 D01v06 and 616217 D04v01r02.

The required minimum test separation distance for incorporating transmitters and antennas is determined with user.



Test Configurations for the WWAN Main Module within Host

Test Configurations	Antenna-to-edge/surface	SAR Required	Note
Rear	35.0 mm	Yes	The test separation distance is normally determined by the closest distance between the antenna and the user.

6. 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 (dU) 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.

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

Figure 1. SAR Mathematical Equation

SAR is expressed in units of Watts per Kilogram (W/kg)

Where:

- = conductivity of the tissue-simulant material (S/m)
- = mass density of the tissue-simulant material (kg/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.

7. Description of test equipment

7.1 SAR MEASUREMENT SETUP

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

A cell controller system contains the power supply, robot controller, teach pendant (Joystick), and remote control, is used to drive the robot motors. The PC with Windows XP or Windows 7 or Window 10 or Window 11 is working with SAR Measurement system DASY4 & 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.

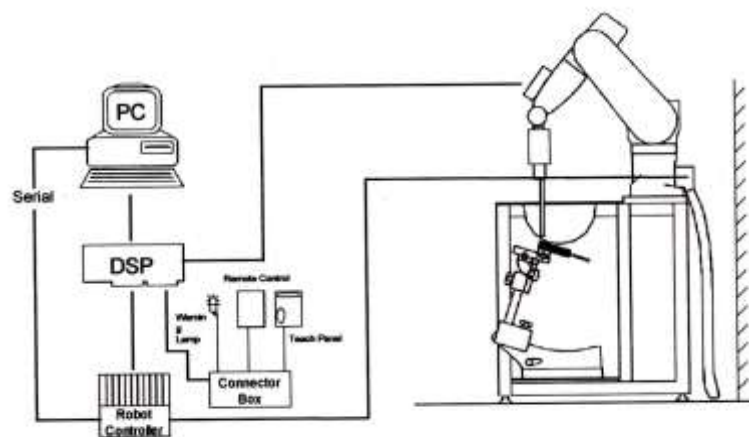


Figure 2. HCT SAR Lab. Test Measurement Set-up

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.

8. 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 KDB 447498 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.				

9. 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.

10. SAR Test Considerations

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

10.1 Licensed Transmitter(s)

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

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

This Device supports 64QAM and 256QAM on the uplink and 256QAM on the downlink for LTE Operations. Conducted powers for 64QAM and 256QAM uplink configurations were measured per section 5.1 of FCC KDB 941225 D05v02r05. SAR was not required for 64QAM or 256QAM since the highest maximum output power for 64QAM and 256QAM is ≤ 0.5 dB higher than the same configuration in QPSK and the reported SAR for QPSK configuration is ≤ 1.45 W/Kg, per section 5.2.4 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 5 (824.7 MHz ~ 848.3 MHz) is covered by LTE Band 26(814.7 MHz ~ 848.3 MHz), LTE Band 4 (1 712.4 MHz ~ 1 752.6 MHz) is covered by LTE Band 66(1 712.5 MHz ~ 1 777.5 MHz) and LTE Band 17 (706.5 MHz ~ 713.5 MHz) is covered by LTE Band 12 (699.7 MHz ~ 715.3 MHz), LTE Band 38 (2 572.5 MHz ~ 2 617.5 MHz) is covered by LTE Band 41 (2 498.5 MHz ~ 2 687.5 MHz) of this model each both LTE bands have the same target powers.

NR capabilities with overlapping transmission frequency ranges were applied to NR Band n2 (1 852.5 MHz ~ 1 907.5 MHz) is covered by NR Band n25 (1 852.5 MHz ~ 1 912.5 MHz), NR Band n5 (826.5 MHz ~ 846.5 MHz) is covered by NR Band n26(816.5 MHz ~ 846.5 MHz), NR Band n38 (2 575 MHz ~ 2 615 MHz) is covered by NR Band n41(2 501.01 MHz ~ 2 615 MHz) and NR Band n77 DoD (3 460.02 MHz ~ 3 540 MHz) is covered by NR Band n78 DoD (3 460.02 MHz ~ 3 540 MHz), NR Band n77 (3 710.01 MHz ~ 3 969.99 MHz) is covered by NR Band n78 (3 710.01 MHz ~ 3 789.99 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.

10.1.1 LTE(TDD) Considerations

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

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

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

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

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

Table 4.2-2: Uplink-downlink configurations.

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

Example for calculated Duty Cycle for Uplink-Downlink Configuration 0:

Calculated Duty Cycle = $(5120 \times (1/(15000 \times 2048))) \times 2 + 0.006)/0.01 = 63.33 \%$

Where

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

11. Output Power Specifications

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

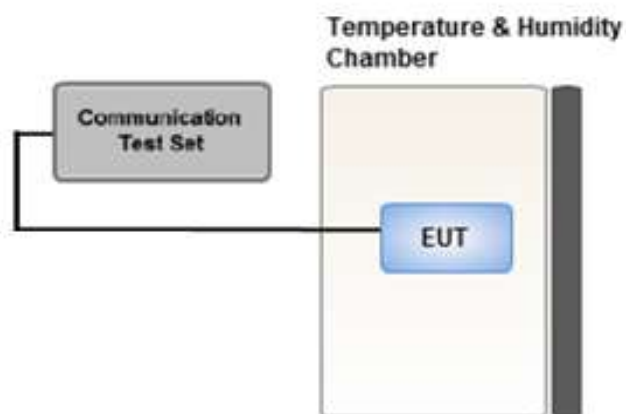
According to ANSI C63.26-2015 Section 5.2.1 when measuring the maximum RF output power from such devices, control over the EUT must be provided either through special test software (provided by manufacturer specifically for compliance testing, but not accessible by an end user) or through use of a base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



11.1 GSM Maximum Output Power

11.1.1 GSM 850 Maximum Conducted Output Power

GSM 850

Mode / Band		Voice	GPRS(GMSK) Data – CS1(dBm)				EDGE Data (dBm)			
		GSM	GPRS 1 TX Slot	GPRS 2 TX Slot	GPRS 3 TX Slot	GPRS 4 TX Slot	EDGE 1 TX Slot	EDGE 2 TX Slot	EDGE 3 TX Slot	EDGE 4 TX Slot
Maximum		35.00	35.00	32.00	30.00	29.00	29.00	26.00	24.00	23.00
Nominal		33.00	33.00	30.00	28.00	27.00	27.00	24.00	22.00	21.00
GSM 850	128	33.33	33.30	30.22	28.21	27.24	26.08	24.73	22.92	21.94
	190	33.97	33.90	30.65	28.59	27.78	26.83	25.50	23.66	22.45
	251	33.96	33.90	30.21	28.07	26.88	26.57	25.23	23.41	22.53

GSM Conducted output powers (Burst-Average)

Mode / Band		Voice	GPRS(GMSK) Data – CS1(dBm)				EDGE Data (dBm)			
		GSM	GPRS 1 TX Slot	GPRS 2 TX Slot	GPRS 3 TX Slot	GPRS 4 TX Slot	EDGE 1 TX Slot	EDGE 2 TX Slot	EDGE 3 TX Slot	EDGE 4 TX Slot
Maximum		25.97	25.97	25.98	25.74	25.99	19.97	19.98	19.74	19.99
Nominal		23.97	23.97	23.98	23.74	23.99	17.97	17.98	17.74	17.99
GSM 850	128	24.30	24.27	24.20	23.95	24.23	17.05	18.71	18.66	18.93
	190	24.94	24.87	24.63	24.33	24.77	17.80	19.48	19.40	19.44
	251	24.93	24.87	24.19	23.81	23.87	17.54	19.21	19.15	19.52

GSM Conducted output powers (Frame-Average)

11.1.2 GSM 1900 Maximum Conducted Output Power

GSM1900

Mode / Band		Voice	GPRS(GMSK) Data – CS1(dBm)				EDGE Data (dBm)			
		GSM	GPRS 1 TX Slot	GPRS 2 TX Slot	GPRS 3 TX Slot	GPRS 4 TX Slot	EDGE 1 TX Slot	EDGE 2 TX Slot	EDGE 3 TX Slot	EDGE 4 TX Slot
Maximum		32.00	32.00	29.00	27.00	26.00	28.00	25.00	23.00	22.00
Nominal		30.00	30.00	27.00	25.00	24.00	26.00	23.00	21.00	20.00
GSM 1900	512	30.32	30.31	28.59	25.91	24.71	25.37	23.46	21.95	20.95
	661	31.31	31.28	28.41	25.83	24.66	26.45	24.39	22.93	21.98
	810	31.16	31.13	28.12	25.63	24.46	26.36	24.40	22.95	21.79

GSM Conducted output powers (Burst-Average)

Mode / Band		Voice	GPRS(GMSK) Data – CS1(dBm)				EDGE Data (dBm)			
		GSM	GPRS 1 TX Slot	GPRS 2 TX Slot	GPRS 3 TX Slot	GPRS 4 TX Slot	EDGE 1 TX Slot	EDGE 2 TX Slot	EDGE 3 TX Slot	EDGE 4 TX Slot
Maximum		22.97	22.97	22.98	22.74	22.99	18.97	18.98	18.74	18.99
Nominal		20.97	20.97	20.98	20.74	20.99	16.97	16.98	16.74	16.99
GSM 1900	512	21.29	21.28	22.57	21.65	21.70	16.34	17.44	17.69	17.94
	661	22.28	22.25	22.39	21.57	21.65	17.42	18.37	18.67	18.97
	810	22.13	22.10	22.10	21.37	21.45	17.33	18.38	18.69	18.78

GSM Conducted output powers (Frame-Average)

Note:

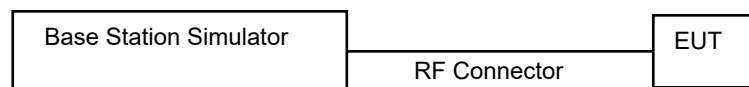
Time slot average factor is as follows:

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

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

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

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



11.2 UMTS 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.

11.2.1 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	24.20	24.13	24.15	-
99		12.2 kbps AMR	-	-	-	-
5	HSDPA	Subtest 1	23.20	23.22	23.18	0
5		Subtest 2	23.19	23.21	23.15	0
5		Subtest 3	22.76	22.74	22.66	0.5
5		Subtest 4	22.72	22.74	22.62	0.5
6	HSUPA	Subtest 1	23.23	23.24	23.19	0
6		Subtest 2	21.20	21.23	21.11	2
6		Subtest 3	22.24	22.20	22.15	1
6		Subtest 4	21.22	21.24	21.19	2
6		Subtest 5	23.21	23.21	23.14	0
8	DC-HSDPA	Subtest1	23.03	23.16	23.29	0
8		Subtest2	23.21	23.24	23.28	0
8		Subtest3	22.76	22.74	22.91	0.5
8		Subtest4	22.75	22.75	22.84	0.5

UMTS Average Conducted output powers

11.2.2 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	23.33	23.28	23.28	-
99		12.2 kbps AMR	-	-	-	-
5	HSDPA	Subtest 1	22.26	22.21	22.14	0
5		Subtest 2	22.26	22.16	22.13	0
5		Subtest 3	21.72	21.68	21.62	0.5
5		Subtest 4	21.76	21.70	21.66	0.5
6	HSUPA	Subtest 1	22.31	22.13	22.23	0
6		Subtest 2	20.26	20.17	20.08	2
6		Subtest 3	21.11	21.18	21.14	1
6		Subtest 4	20.32	20.19	20.07	2
6		Subtest 5	22.32	22.24	22.13	0
8	DC-HSDPA	Subtest1	22.66	22.24	21.99	0
8		Subtest2	22.71	22.15	21.90	0
8		Subtest3	22.21	21.81	21.52	0.5
8		Subtest4	22.15	21.72	21.52	0.5

UMTS Average Conducted output powers

11.2.3 UMTS Band 2 Maximum Conducted Output Power

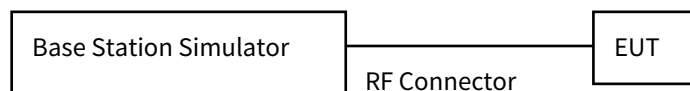
UMTS Band 2 Maximum Conducted Output Power

3GPP Release Version	Mode	3GPP 34.121	UMTS Band 2 [dBm]			3GPP MPR
		Subtest	UL9262 DL9662	UL9400 DL9800	UL9538 DL9938	
99	UMTS	12.2 kbps RMC	23.35	23.41	23.38	-
99		12.2 kbps AMR	-	-	-	-
5	HSDPA	Subtest 1	22.07	22.40	22.14	0
5		Subtest 2	22.06	21.96	22.12	0
5		Subtest 3	21.61	21.62	21.63	0.5
5		Subtest 4	21.57	21.66	21.67	0.5
6	HSUPA	Subtest 1	22.12	22.14	22.08	0
6		Subtest 2	20.06	20.07	20.11	2
6		Subtest 3	21.03	21.04	21.04	1
6		Subtest 4	20.07	20.01	20.08	2
6		Subtest 5	22.11	22.10	22.17	0
8	DC-HSDPA	Subtest 1	22.98	22.91	22.78	0
8		Subtest2	22.91	22.95	22.86	0
8		Subtest3	22.49	22.51	22.42	0.5
8		Subtest4	22.45	22.46	22.41	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.



11.3 LTE Maximum Output Power

11.3.1 LTE FDD Band 2 Maximum Conducted Output Power

LTE FDD 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	23.34	23.48	23.31	0	0
		1	3	23.35	23.44	23.30	0	0
		1	5	23.50	23.30	23.45	0	0
		3	0	23.34	23.30	23.38	0	0
		3	1	23.44	23.32	23.41	0	0
		3	3	23.27	23.37	23.22	0	0
		6	0	22.41	22.66	22.50	0-1	1
	16QAM	1	0	22.64	22.89	22.66	0-1	1
		1	3	22.76	22.82	22.89	0-1	1
		1	5	22.83	22.75	22.71	0-1	1
		3	0	22.62	22.50	22.53	0-1	1
		3	1	22.56	22.65	22.55	0-1	1
		3	3	22.63	22.64	22.46	0-1	1
		6	0	21.45	21.64	21.45	0-2	2
	64QAM	1	0	21.71	21.61	21.65	0-2	2
		1	3	21.60	21.66	21.72	0-2	2
		1	5	21.65	21.59	21.60	0-2	2
		3	0	21.45	21.59	21.45	0-2	2
		3	1	21.59	21.68	21.63	0-2	2
		3	3	21.63	21.58	21.48	0-2	2
		6	0	20.52	20.53	20.40	0-3	3
	256QAM	1	0	18.40	18.50	18.56	0-5	5
		1	3	18.67	18.57	18.69	0-5	5
		1	5	18.60	18.65	18.62	0-5	5
		3	0	18.57	18.73	18.57	0-5	5
		3	1	18.64	18.67	18.70	0-5	5
		3	3	18.59	18.55	18.60	0-5	5
		6	0	18.54	18.46	18.39	0-5	5

LTE FDD 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	23.35	23.34	23.46	0	0
		1	7	23.39	23.49	23.59	0	0
		1	14	23.42	23.52	23.45	0	0
		8	0	22.58	22.64	22.44	0-1	1
		8	3	22.69	22.54	22.47	0-1	1
		8	7	22.58	22.67	22.59	0-1	1
		15	0	22.47	22.56	22.42	0-1	1
	16QAM	1	0	22.88	22.74	22.86	0-1	1
		1	7	23.01	22.74	22.83	0-1	1
		1	14	22.80	23.03	22.78	0-1	1
		8	0	21.59	21.71	21.48	0-2	2
		8	3	21.83	21.70	21.54	0-2	2
		8	7	21.70	21.69	21.66	0-2	2
		15	0	21.54	21.54	21.61	0-2	2
	64QAM	1	0	21.69	21.77	21.79	0-2	2
		1	7	21.71	21.78	21.50	0-2	2
		1	14	21.74	21.70	21.64	0-2	2
		8	0	20.70	20.62	20.65	0-3	3
		8	3	20.56	20.72	20.52	0-3	3
		8	7	20.58	20.69	20.77	0-3	3
		15	0	20.53	20.62	20.48	0-3	3
	256QAM	1	0	18.60	18.56	18.62	0-5	5
		1	7	18.63	18.66	18.76	0-5	5
		1	14	18.77	18.87	18.75	0-5	5
		8	0	18.66	18.57	18.71	0-5	5
		8	3	18.58	18.53	18.69	0-5	5
		8	7	18.62	18.62	18.70	0-5	5
		15	0	18.56	18.54	18.51	0-5	5

LTE FDD 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	23.49	23.41	23.57	0	0
		1	12	23.58	23.65	23.60	0	0
		1	24	23.63	23.61	23.64	0	0
		12	0	22.58	22.51	22.48	0-1	1
		12	6	22.73	22.76	22.68	0-1	1
		12	11	22.59	22.61	22.61	0-1	1
		25	0	22.71	22.54	22.60	0-1	1
	16QAM	1	0	22.69	22.89	22.76	0-1	1
		1	12	23.04	22.88	23.01	0-1	1
		1	24	23.03	22.97	23.04	0-1	1
		12	0	21.78	21.64	21.67	0-2	2
		12	6	21.72	21.70	21.68	0-2	2
		12	11	21.73	21.68	21.62	0-2	2
		25	0	21.53	21.55	21.54	0-2	2
	64QAM	1	0	21.62	21.78	21.79	0-2	2
		1	12	21.85	21.70	21.76	0-2	2
		1	24	21.81	21.71	21.78	0-2	2
		12	0	20.75	20.67	20.52	0-3	3
		12	6	20.75	20.64	20.72	0-3	3
		12	11	20.71	20.69	20.62	0-3	3
		25	0	20.67	20.49	20.59	0-3	3
	256QAM	1	0	18.60	18.55	18.64	0-5	5
		1	12	18.59	18.99	18.78	0-5	5
		1	24	18.85	18.82	18.68	0-5	5
		12	0	18.60	18.67	18.57	0-5	5
		12	6	18.64	18.59	18.75	0-5	5
		12	11	18.57	18.64	18.58	0-5	5
		25	0	18.73	18.63	18.65	0-5	5

LTE FDD 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	23.23	23.44	23.51	0	0
		1	24	23.54	23.52	23.58	0	0
		1	49	23.67	23.63	23.40	0	0
		25	0	22.39	22.46	22.40	0-1	1
		25	12	22.66	22.61	22.52	0-1	1
		25	24	22.67	22.77	22.78	0-1	1
		50	0	22.73	22.65	22.54	0-1	1
	16QAM	1	0	22.92	22.92	22.88	0-1	1
		1	24	22.80	22.90	22.92	0-1	1
		1	49	22.98	23.16	22.98	0-1	1
		25	0	21.55	21.49	21.46	0-2	2
		25	12	21.72	21.53	21.57	0-2	2
		25	24	21.52	21.71	21.74	0-2	2
		50	0	21.56	21.57	21.56	0-2	2
	64QAM	1	0	21.58	21.59	21.77	0-2	2
		1	24	21.77	21.91	21.90	0-2	2
		1	49	21.87	21.95	21.83	0-2	2
		25	0	20.65	20.71	20.47	0-3	3
		25	12	20.79	20.74	20.55	0-3	3
		25	24	20.59	20.83	20.63	0-3	3
		50	0	20.76	20.57	20.50	0-3	3
	256QAM	1	0	18.44	18.76	18.62	0-5	5
		1	24	18.62	18.50	18.29	0-5	5
		1	49	18.74	18.61	18.87	0-5	5
		25	0	18.61	18.56	18.45	0-5	5
		25	12	18.58	18.50	18.64	0-5	5
		25	24	18.69	18.64	18.76	0-5	5
		50	0	18.58	18.67	18.62	0-5	5

LTE FDD 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	23.51	23.46	23.55	0	0
		1	36	23.54	23.60	23.55	0	0
		1	74	23.55	23.74	23.62	0	0
		36	0	22.59	22.55	22.53	0-1	1
		36	18	22.73	22.57	22.50	0-1	1
		36	39	22.68	22.73	22.76	0-1	1
		75	0	22.73	22.58	22.67	0-1	1
	16QAM	1	0	22.82	22.84	22.80	0-1	1
		1	36	22.78	22.80	23.07	0-1	1
		1	74	22.95	22.93	23.05	0-1	1
		36	0	21.71	21.65	21.60	0-2	2
		36	18	21.83	21.61	21.49	0-2	2
		36	39	21.80	21.77	21.80	0-2	2
		75	0	21.77	21.72	21.58	0-2	2
	64QAM	1	0	21.75	21.80	21.91	0-2	2
		1	36	21.74	21.80	21.84	0-2	2
		1	74	21.94	21.78	21.85	0-2	2
		36	0	20.65	20.65	20.69	0-3	3
		36	18	20.79	20.70	20.61	0-3	3
		36	39	20.74	20.89	20.76	0-3	3
		75	0	20.63	20.62	20.76	0-3	3
	256QAM	1	0	18.72	18.78	18.63	0-5	5
		1	36	18.80	18.73	18.63	0-5	5
		1	74	18.86	18.87	18.84	0-5	5
		36	0	18.65	18.61	18.69	0-5	5
		36	18	18.70	18.72	18.70	0-5	5
		36	39	18.79	18.89	18.73	0-5	5
		75	0	18.82	18.77	18.50	0-5	5

LTE FDD 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	23.55	23.60	23.52	0	0
		1	49	23.43	23.67	23.64	0	0
		1	99	23.44	23.58	23.49	0	0
		50	0	22.46	22.58	22.66	0-1	1
		50	25	22.63	22.71	22.68	0-1	1
		50	49	22.71	22.78	22.82	0-1	1
		100	0	22.64	22.61	22.67	0-1	1
	16QAM	1	0	23.08	22.80	22.84	0-1	1
		1	49	22.76	22.80	22.73	0-1	1
		1	99	22.94	22.84	22.90	0-1	1
		50	0	21.62	21.59	21.51	0-2	2
		50	25	21.77	21.78	21.61	0-2	2
		50	49	21.61	21.84	21.63	0-2	2
		100	0	21.68	21.60	21.60	0-2	2
	64QAM	1	0	21.86	21.93	21.88	0-2	2
		1	49	21.80	21.73	21.88	0-2	2
		1	99	21.79	21.98	21.91	0-2	2
		50	0	20.56	20.62	20.59	0-3	3
		50	25	20.68	20.72	20.72	0-3	3
		50	49	20.83	20.87	20.80	0-3	3
		100	0	20.78	20.81	20.58	0-3	3
	256QAM	1	0	18.70	18.85	18.86	0-5	5
		1	49	18.64	18.78	18.76	0-5	5
		1	99	18.96	18.87	18.73	0-5	5
		50	0	18.67	18.74	18.57	0-5	5
		50	25	18.83	18.67	18.79	0-5	5
		50	49	18.73	18.79	18.68	0-5	5
		100	0	18.65	18.60	18.84	0-5	5

11.3.2 LTE FDD Band 4 Maximum Conducted Output Power

LTE FDD 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	23.22	23.48	23.41	0	0
		1	3	23.22	23.39	23.37	0	0
		1	5	23.25	23.45	23.40	0	0
		3	0	23.17	23.24	23.33	0	0
		3	1	23.16	23.45	23.34	0	0
		3	3	23.32	23.44	23.33	0	0
		6	0	22.29	22.45	22.41	0-1	1
	16QAM	1	0	22.78	22.64	22.66	0-1	1
		1	3	22.62	22.74	22.74	0-1	1
		1	5	22.50	22.66	22.48	0-1	1
		3	0	22.58	22.50	22.50	0-1	1
		3	1	22.45	22.63	22.48	0-1	1
		3	3	22.52	22.68	22.63	0-1	1
		6	0	21.37	21.57	21.34	0-2	2
	64QAM	1	0	21.47	21.71	21.55	0-2	2
		1	3	21.62	21.76	21.68	0-2	2
		1	5	21.57	21.66	21.55	0-2	2
		3	0	21.54	21.46	21.51	0-2	2
		3	1	21.53	21.46	21.51	0-2	2
		3	3	21.46	21.54	21.48	0-2	2
		6	0	20.53	20.41	20.50	0-3	3
	256QAM	1	0	18.39	18.49	18.28	0-5	5
		1	3	18.54	18.58	18.63	0-5	5
		1	5	18.40	18.62	18.50	0-5	5
		3	0	18.55	18.54	18.47	0-5	5
		3	1	18.56	18.60	18.74	0-5	5
		3	3	18.53	18.52	18.45	0-5	5
		6	0	18.35	18.49	18.38	0-5	5

LTE FDD 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	23.38	23.30	23.31	0	0
		1	7	23.25	23.55	23.43	0	0
		1	14	23.54	23.58	23.51	0	0
		8	0	22.46	22.47	22.36	0-1	1
		8	3	22.58	22.45	22.43	0-1	1
		8	7	22.46	22.61	22.60	0-1	1
		15	0	22.52	22.45	22.55	0-1	1
	16QAM	1	0	22.63	22.68	22.76	0-1	1
		1	7	22.75	22.81	22.82	0-1	1
		1	14	22.81	22.72	22.89	0-1	1
		8	0	21.54	21.62	21.60	0-2	2
		8	3	21.59	21.59	21.61	0-2	2
		8	7	21.54	21.69	21.63	0-2	2
		15	0	21.45	21.56	21.50	0-2	2
	64QAM	1	0	21.54	21.69	21.60	0-2	2
		1	7	21.61	21.65	21.76	0-2	2
		1	14	21.62	21.74	21.76	0-2	2
		8	0	20.48	20.56	20.56	0-3	3
		8	3	20.49	20.48	20.45	0-3	3
		8	7	20.67	20.70	20.43	0-3	3
		15	0	20.44	20.54	20.50	0-3	3
	256QAM	1	0	18.51	18.51	18.45	0-5	5
		1	7	18.57	18.67	18.61	0-5	5
		1	14	18.68	18.79	18.68	0-5	5
		8	0	18.52	18.41	18.37	0-5	5
		8	3	18.60	18.56	18.56	0-5	5
		8	7	18.44	18.60	18.57	0-5	5
		15	0	18.48	18.54	18.38	0-5	5

LTE FDD 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	23.25	23.30	23.29	0	0
		1	12	23.27	23.42	23.40	0	0
		1	24	23.47	23.41	23.42	0	0
		12	0	22.45	22.31	22.31	0-1	1
		12	6	22.35	22.41	22.53	0-1	1
		12	11	22.38	22.51	22.35	0-1	1
		25	0	22.38	22.45	22.53	0-1	1
	16QAM	1	0	22.60	22.64	22.57	0-1	1
		1	12	22.43	22.62	22.54	0-1	1
		1	24	22.86	22.88	22.76	0-1	1
		12	0	21.41	21.39	21.39	0-2	2
		12	6	21.44	21.49	21.45	0-2	2
		12	11	21.53	21.50	21.43	0-2	2
		25	0	21.57	21.40	21.42	0-2	2
	64QAM	1	0	21.39	21.64	21.53	0-2	2
		1	12	21.65	21.63	21.68	0-2	2
		1	24	21.71	21.68	21.71	0-2	2
		12	0	20.41	20.37	20.45	0-3	3
		12	6	20.56	20.42	20.53	0-3	3
		12	11	20.40	20.51	20.61	0-3	3
		25	0	20.47	20.40	20.51	0-3	3
	256QAM	1	0	18.51	18.42	18.40	0-5	5
		1	12	18.60	18.60	18.42	0-5	5
		1	24	18.52	18.45	18.45	0-5	5
		12	0	18.38	18.23	18.23	0-5	5
		12	6	18.42	18.33	18.41	0-5	5
		12	11	18.45	18.57	18.52	0-5	5
		25	0	18.40	18.44	18.47	0-5	5

LTE FDD 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	23.42	23.17	23.27	0	0
		1	24	23.34	23.32	23.15	0	0
		1	49	23.25	23.36	23.54	0	0
		25	0	22.27	22.44	22.44	0-1	1
		25	12	22.55	22.51	22.38	0-1	1
		25	24	22.48	22.50	22.46	0-1	1
		50	0	22.48	22.41	22.34	0-1	1
	16QAM	1	0	22.87	22.94	22.78	0-1	1
		1	24	22.81	22.77	22.71	0-1	1
		1	49	22.87	22.85	22.89	0-1	1
		25	0	21.52	21.43	21.30	0-2	2
		25	12	21.42	21.35	21.47	0-2	2
		25	24	21.51	21.52	21.44	0-2	2
		50	0	21.45	21.37	21.54	0-2	2
	64QAM	1	0	21.24	21.30	21.36	0-2	2
		1	24	21.57	21.62	21.70	0-2	2
		1	49	21.65	21.72	21.74	0-2	2
		25	0	20.36	20.33	20.37	0-3	3
		25	12	20.44	20.48	20.42	0-3	3
		25	24	20.54	20.56	20.60	0-3	3
		50	0	20.41	20.52	20.46	0-3	3
	256QAM	1	0	18.40	18.57	18.32	0-5	5
		1	24	18.55	18.63	18.41	0-5	5
		1	49	18.60	18.76	18.47	0-5	5
		25	0	18.39	18.50	18.31	0-5	5
		25	12	18.50	18.49	18.44	0-5	5
		25	24	18.64	18.58	18.39	0-5	5
		50	0	18.51	18.43	18.46	0-5	5

LTE FDD 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	23.45	23.47	23.36	0	0
		1	36	23.30	23.47	23.21	0	0
		1	74	23.38	23.46	23.23	0	0
		36	0	22.50	22.48	22.44	0-1	1
		36	18	22.47	22.44	22.44	0-1	1
		36	39	22.44	22.45	22.38	0-1	1
		75	0	22.70	22.55	22.46	0-1	1
	16QAM	1	0	22.73	22.81	22.80	0-1	1
		1	36	22.64	22.75	22.61	0-1	1
		1	74	23.01	22.84	22.83	0-1	1
		36	0	21.49	21.55	21.38	0-2	2
		36	18	21.62	21.38	21.51	0-2	2
		36	39	21.52	21.56	21.54	0-2	2
		75	0	21.70	21.42	21.70	0-2	2
	64QAM	1	0	21.57	21.81	21.53	0-2	2
		1	36	21.57	21.70	21.58	0-2	2
		1	74	21.79	21.78	21.80	0-2	2
		36	0	20.59	20.51	20.49	0-3	3
		36	18	20.52	20.60	20.67	0-3	3
		36	39	20.66	20.59	20.61	0-3	3
		75	0	20.58	20.54	20.52	0-3	3
	256QAM	1	0	18.51	18.56	18.39	0-5	5
		1	36	18.58	18.46	18.50	0-5	5
		1	74	18.56	18.83	18.55	0-5	5
		36	0	18.51	18.56	18.46	0-5	5
		36	18	18.60	18.67	18.53	0-5	5
		36	39	18.63	18.60	18.48	0-5	5
		75	0	18.55	18.53	18.64	0-5	5

LTE FDD 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		23.44		0	0
		1	49		23.35		0	0
		1	99		23.59		0	0
		50	0		22.59		0-1	1
		50	25		22.55		0-1	1
		50	49		22.56		0-1	1
		100	0		22.55		0-1	1
	16QAM	1	0		22.98		0-1	1
		1	49		22.91		0-1	1
		1	99		22.97		0-1	1
		50	0		21.50		0-2	2
		50	25		21.63		0-2	2
		50	49		21.66		0-2	2
		100	0		21.60		0-2	2
	64QAM	1	0		21.75		0-2	2
		1	49		21.48		0-2	2
		1	99		21.80		0-2	2
		50	0		20.57		0-3	3
		50	25		20.52		0-3	3
		50	49		20.66		0-3	3
		100	0		20.48		0-3	3
	256QAM	1	0		18.60		0-5	5
		1	49		18.70		0-5	5
		1	99		18.62		0-5	5
		50	0		18.63		0-5	5
		50	25		18.52		0-5	5
		50	49		18.64		0-5	5
		100	0		18.57		0-5	5

11.3.3 LTE FDD Band 5 Maximum Conducted Output Power

LTE FDD 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	23.37	23.44	23.38	0	0
		1	3	23.32	23.45	23.42	0	0
		1	5	23.17	23.32	23.25	0	0
		3	0	23.33	23.23	23.24	0	0
		3	1	23.33	23.33	23.35	0	0
		3	3	23.26	23.35	23.18	0	0
		6	0	22.44	22.38	22.40	0-1	1
	16QAM	1	0	22.84	22.74	22.58	0-1	1
		1	3	22.84	22.90	22.79	0-1	1
		1	5	22.55	22.78	22.57	0-1	1
		3	0	22.49	22.56	22.62	0-1	1
		3	1	22.49	22.62	22.40	0-1	1
		3	3	22.57	22.66	22.59	0-1	1
		6	0	21.41	21.47	21.43	0-2	2
	64QAM	1	0	21.56	21.65	21.67	0-2	2
		1	3	21.58	21.87	21.49	0-2	2
		1	5	21.65	21.59	21.56	0-2	2
		3	0	21.47	21.63	21.45	0-2	2
		3	1	21.65	21.58	21.44	0-2	2
		3	3	21.47	21.62	21.49	0-2	2
		6	0	20.42	20.50	20.39	0-3	3
	256QAM	1	0	18.45	18.52	18.58	0-5	5
		1	3	18.67	18.66	18.51	0-5	5
		1	5	18.52	18.46	18.28	0-5	5
		3	0	18.57	18.63	18.65	0-5	5
		3	1	18.74	18.70	18.45	0-5	5
		3	3	18.56	18.50	18.32	0-5	5
		6	0	18.50	18.40	18.36	0-5	5

LTE FDD 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	23.35	23.47	23.33	0	0
		1	7	23.33	23.58	23.32	0	0
		1	14	23.26	23.39	23.40	0	0
		8	0	22.68	22.48	22.37	0-1	1
		8	3	22.59	22.63	22.50	0-1	1
		8	7	22.57	22.38	22.40	0-1	1
		15	0	22.56	22.50	22.42	0-1	1
	16QAM	1	0	22.71	22.70	22.66	0-1	1
		1	7	22.85	22.70	22.91	0-1	1
		1	14	22.75	22.64	22.83	0-1	1
		8	0	21.62	21.66	21.56	0-2	2
		8	3	21.70	21.65	21.52	0-2	2
		8	7	21.62	21.55	21.39	0-2	2
		15	0	21.63	21.58	21.42	0-2	2
	64QAM	1	0	21.64	21.76	21.67	0-2	2
		1	7	21.82	21.74	21.72	0-2	2
		1	14	21.63	21.57	21.52	0-2	2
		8	0	20.57	20.66	20.55	0-3	3
		8	3	20.71	20.45	20.55	0-3	3
		8	7	20.48	20.62	20.52	0-3	3
		15	0	20.52	20.54	20.51	0-3	3
	256QAM	1	0	18.80	18.75	18.68	0-5	5
		1	7	18.76	18.64	18.46	0-5	5
		1	14	18.66	18.51	18.38	0-5	5
		8	0	18.57	18.67	18.40	0-5	5
		8	3	18.56	18.49	18.49	0-5	5
		8	7	18.62	18.70	18.56	0-5	5
		15	0	18.59	18.45	18.40	0-5	5

LTE FDD 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	23.48	23.52	23.43	0	0
		1	12	23.35	23.62	23.52	0	0
		1	24	23.49	23.62	23.58	0	0
		12	0	22.63	22.64	22.54	0-1	1
		12	6	22.53	22.67	22.61	0-1	1
		12	11	22.65	22.53	22.51	0-1	1
		25	0	22.55	22.49	22.54	0-1	1
	16QAM	1	0	22.74	22.77	22.87	0-1	1
		1	12	22.80	22.65	22.84	0-1	1
		1	24	22.96	22.82	22.90	0-1	1
		12	0	21.63	21.69	21.53	0-2	2
		12	6	21.62	21.68	21.50	0-2	2
		12	11	21.63	21.77	21.58	0-2	2
		25	0	21.49	21.70	21.58	0-2	2
	64QAM	1	0	21.75	21.87	21.85	0-2	2
		1	12	21.59	21.75	21.86	0-2	2
		1	24	21.70	21.84	21.32	0-2	2
		12	0	20.76	20.72	20.48	0-3	3
		12	6	20.65	20.73	20.61	0-3	3
		12	11	20.58	20.55	20.52	0-3	3
		25	0	20.56	20.64	20.48	0-3	3
	256QAM	1	0	18.88	18.67	18.73	0-5	5
		1	12	18.73	18.74	18.81	0-5	5
		1	24	18.58	18.74	18.52	0-5	5
		12	0	18.60	18.75	18.50	0-5	5
		12	6	18.73	18.73	18.57	0-5	5
		12	11	18.51	18.65	18.61	0-5	5
		25	0	18.65	18.60	18.52	0-5	5

LTE FDD 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		23.60		0	0
		1	24		23.63		0	0
		1	49		23.38		0	0
		25	0		22.73		0-1	1
		25	12		22.65		0-1	1
		25	24		22.77		0-1	1
		50	0		22.55		0-1	1
	16QAM	1	0		22.83		0-1	1
		1	24		23.00		0-1	1
		1	49		22.87		0-1	1
		25	0		21.66		0-2	2
		25	12		21.62		0-2	2
		25	24		21.66		0-2	2
		50	0		21.68		0-2	2
	64QAM	1	0		21.70		0-2	2
		1	24		21.97		0-2	2
		1	49		21.89		0-2	2
		25	0		20.59		0-3	3
		25	12		20.71		0-3	3
		25	24		20.68		0-3	3
		50	0		20.70		0-3	3
	256QAM	1	0		18.80		0-5	5
		1	24		18.72		0-5	5
		1	49		18.67		0-5	5
		25	0		18.73		0-5	5
		25	12		18.66		0-5	5
		25	24		18.69		0-5	5
		50	0		18.61		0-5	5

11.3.4 LTE FDD Band 7 Maximum Conducted Output Power

LTE FDD 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	23.34	23.43	23.40	0	0
		1	12	23.44	23.49	23.56	0	0
		1	24	23.50	23.52	23.43	0	0
		12	0	22.59	22.50	22.47	0-1	1
		12	6	22.51	22.56	22.52	0-1	1
		12	11	22.46	22.69	22.58	0-1	1
		25	0	22.43	22.59	22.53	0-1	1
	16QAM	1	0	22.87	22.74	22.76	0-1	1
		1	12	22.92	22.96	22.87	0-1	1
		1	24	22.72	22.95	22.82	0-1	1
		12	0	21.56	21.61	21.57	0-2	2
		12	6	21.53	21.69	21.51	0-2	2
		12	11	21.52	21.59	21.62	0-2	2
		25	0	21.44	21.72	21.47	0-2	2
	64QAM	1	0	21.65	21.68	21.73	0-2	2
		1	12	21.55	21.74	21.58	0-2	2
		1	24	21.54	21.64	21.66	0-2	2
		12	0	20.71	20.61	20.66	0-3	3
		12	6	20.59	20.54	20.65	0-3	3
		12	11	20.58	20.57	20.72	0-3	3
		25	0	20.62	20.71	20.50	0-3	3
	256QAM	1	0	18.71	18.76	18.74	0-5	5
		1	12	18.62	18.71	18.65	0-5	5
		1	24	18.85	18.77	18.60	0-5	5
		12	0	18.66	18.68	18.53	0-5	5
		12	6	18.51	18.61	18.52	0-5	5
		12	11	18.60	18.67	18.53	0-5	5
		25	0	18.60	18.61	18.70	0-5	5

LTE FDD 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	23.40	23.47	23.58	0	0
		1	24	23.31	23.35	23.52	0	0
		1	49	23.42	23.54	23.44	0	0
		25	0	22.58	22.65	22.53	0-1	1
		25	12	22.57	22.67	22.69	0-1	1
		25	24	22.53	22.63	22.50	0-1	1
		50	0	22.61	22.67	22.61	0-1	1
	16QAM	1	0	22.80	23.01	23.11	0-1	1
		1	24	22.72	22.85	22.87	0-1	1
		1	49	22.81	22.90	22.98	0-1	1
		25	0	21.52	21.72	21.52	0-2	2
		25	12	21.60	21.67	21.60	0-2	2
		25	24	21.59	21.70	21.57	0-2	2
		50	0	21.59	21.68	21.63	0-2	2
	64QAM	1	0	21.64	21.66	21.77	0-2	2
		1	24	21.70	21.83	21.89	0-2	2
		1	49	21.71	21.74	21.78	0-2	2
		25	0	20.61	20.69	20.62	0-3	3
		25	12	20.67	20.72	20.67	0-3	3
		25	24	20.55	20.72	20.60	0-3	3
		50	0	20.61	20.77	20.68	0-3	3
	256QAM	1	0	18.71	18.79	18.69	0-5	5
		1	24	18.69	18.75	18.74	0-5	5
		1	49	18.73	18.86	18.84	0-5	5
		25	0	18.72	18.73	18.58	0-5	5
		25	12	18.67	18.72	18.72	0-5	5
		25	24	18.67	18.67	18.67	0-5	5
		50	0	18.68	18.79	18.68	0-5	5

LTE FDD 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	23.41	23.53	23.51	0	0
		1	36	23.33	23.33	23.48	0	0
		1	74	23.33	23.41	23.33	0	0
		36	0	22.50	22.52	22.56	0-1	1
		36	18	22.49	22.57	22.61	0-1	1
		36	39	22.53	22.56	22.50	0-1	1
		75	0	22.55	22.59	22.62	0-1	1
	16QAM	1	0	22.85	22.80	22.74	0-1	1
		1	36	22.55	22.88	22.75	0-1	1
		1	74	22.59	22.72	22.70	0-1	1
		36	0	21.48	21.59	21.59	0-2	2
		36	18	21.57	21.55	21.61	0-2	2
		36	39	21.50	21.59	21.52	0-2	2
		75	0	21.52	21.67	21.61	0-2	2
	64QAM	1	0	21.62	21.86	21.77	0-2	2
		1	36	21.77	21.75	21.67	0-2	2
		1	74	21.65	21.75	21.67	0-2	2
		36	0	20.52	20.58	20.62	0-3	3
		36	18	20.61	20.60	20.68	0-3	3
		36	39	20.52	20.70	20.62	0-3	3
		75	0	20.55	20.68	20.61	0-3	3
	256QAM	1	0	18.67	18.76	18.69	0-5	5
		1	36	18.58	18.68	18.61	0-5	5
		1	74	18.66	18.63	18.61	0-5	5
		36	0	18.53	18.66	18.63	0-5	5
		36	18	18.65	18.61	18.59	0-5	5
		36	39	18.54	18.60	18.47	0-5	5
		75	0	18.53	18.70	18.68	0-5	5

LTE FDD 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	23.49	23.58	23.60	0	0
		1	49	23.39	23.44	23.47	0	0
		1	99	23.37	23.48	23.35	0	0
		50	0	22.56	22.63	22.54	0-1	1
		50	25	22.58	22.64	22.62	0-1	1
		50	49	22.54	22.63	22.53	0-1	1
		100	0	22.61	22.71	22.65	0-1	1
	16QAM	1	0	22.92	22.84	22.88	0-1	1
		1	49	22.74	22.87	22.86	0-1	1
		1	99	22.71	22.72	22.66	0-1	1
		50	0	21.59	21.61	21.63	0-2	2
		50	25	21.68	21.67	21.62	0-2	2
		50	49	21.59	21.66	21.62	0-2	2
		100	0	21.66	21.75	21.74	0-2	2
	64QAM	1	0	21.76	21.66	21.91	0-2	2
		1	49	21.73	21.79	21.80	0-2	2
		1	99	21.63	21.77	21.78	0-2	2
		50	0	20.57	20.64	20.63	0-3	3
		50	25	20.66	20.72	20.67	0-3	3
		50	49	20.58	20.69	20.60	0-3	3
		100	0	20.59	20.67	20.64	0-3	3
	256QAM	1	0	18.57	18.69	18.64	0-5	5
		1	49	18.75	18.69	18.68	0-5	5
		1	99	18.69	18.69	18.63	0-5	5
		50	0	18.58	18.64	18.70	0-5	5
		50	25	18.59	18.72	18.72	0-5	5
		50	49	18.61	18.62	18.61	0-5	5
		100	0	18.61	18.71	18.69	0-5	5

11.3.5 LTE FDD Band 12 Maximum Conducted Output Power

LTE FDD 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	23.44	23.55	23.38	0	0
		1	3	23.49	23.71	23.49	0	0
		1	5	23.37	23.58	23.51	0	0
		3	0	23.51	23.49	23.37	0	0
		3	1	23.59	23.51	23.33	0	0
		3	3	23.42	23.45	23.42	0	0
		6	0	22.60	22.58	22.52	0-1	1
	16QAM	1	0	22.87	22.91	22.71	0-1	1
		1	3	23.12	22.93	22.81	0-1	1
		1	5	22.93	23.00	22.56	0-1	1
		3	0	22.67	22.56	22.69	0-1	1
		3	1	22.60	22.76	22.68	0-1	1
		3	3	22.67	22.74	22.63	0-1	1
		6	0	21.59	21.51	21.54	0-2	2
	64QAM	1	0	21.84	21.75	21.77	0-2	2
		1	3	21.89	21.87	21.92	0-2	2
		1	5	21.81	21.69	21.58	0-2	2
		3	0	21.75	21.79	21.53	0-2	2
		3	1	21.78	21.61	21.66	0-2	2
		3	3	21.66	21.75	21.49	0-2	2
		6	0	20.60	20.69	20.53	0-3	3
	256QAM	1	0	18.81	18.70	18.54	0-5	5
		1	3	18.88	18.81	18.66	0-5	5
		1	5	18.73	18.61	18.61	0-5	5
		3	0	18.72	18.74	18.70	0-5	5
		3	1	18.73	18.71	18.58	0-5	5
		3	3	18.82	18.76	18.51	0-5	5
		6	0	18.65	18.50	18.47	0-5	5

LTE FDD 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	23.66	23.68	23.49	0	0
		1	7	23.54	23.60	23.42	0	0
		1	14	23.50	23.59	23.45	0	0
		8	0	22.72	22.56	22.62	0-1	1
		8	3	22.75	22.66	22.73	0-1	1
		8	7	22.51	22.58	22.56	0-1	1
		15	0	22.70	22.59	22.50	0-1	1
	16QAM	1	0	23.06	23.10	22.89	0-1	1
		1	7	22.71	22.92	22.66	0-1	1
		1	14	22.73	22.92	22.82	0-1	1
		8	0	21.85	21.69	21.56	0-2	2
		8	3	21.78	21.76	21.68	0-2	2
		8	7	21.72	21.63	21.68	0-2	2
		15	0	21.77	21.76	21.74	0-2	2
	64QAM	1	0	22.05	21.85	21.86	0-2	2
		1	7	21.87	21.71	21.80	0-2	2
		1	14	21.81	21.85	21.80	0-2	2
		8	0	20.82	20.62	20.64	0-3	3
		8	3	20.78	20.70	20.68	0-3	3
		8	7	20.71	20.77	20.54	0-3	3
		15	0	20.72	20.71	20.68	0-3	3
	256QAM	1	0	18.76	18.89	18.71	0-5	5
		1	7	18.77	18.80	18.66	0-5	5
		1	14	18.71	18.81	18.74	0-5	5
		8	0	18.75	18.73	18.67	0-5	5
		8	3	18.72	18.69	18.79	0-5	5
		8	7	18.71	18.69	18.63	0-5	5
		15	0	18.73	18.66	18.66	0-5	5

LTE FDD 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	23.53	23.57	23.53	0	0
		1	12	23.51	23.74	23.41	0	0
		1	24	23.54	23.57	23.55	0	0
		12	0	22.64	22.64	22.59	0-1	1
		12	6	22.79	22.75	22.62	0-1	1
		12	11	22.69	22.70	22.68	0-1	1
		25	0	22.68	22.73	22.55	0-1	1
	16QAM	1	0	23.06	22.94	22.82	0-1	1
		1	12	22.85	23.13	22.89	0-1	1
		1	24	23.08	22.89	22.81	0-1	1
		12	0	21.74	21.77	21.75	0-2	2
		12	6	21.66	21.79	21.75	0-2	2
		12	11	21.79	21.62	21.68	0-2	2
		25	0	21.74	21.66	21.52	0-2	2
	64QAM	1	0	21.94	21.93	21.86	0-2	2
		1	12	21.80	21.95	21.81	0-2	2
		1	24	21.82	21.74	21.91	0-2	2
		12	0	20.67	20.86	20.65	0-3	3
		12	6	20.76	20.74	20.70	0-3	3
		12	11	20.77	20.72	20.70	0-3	3
		25	0	20.78	20.57	20.59	0-3	3
	256QAM	1	0	18.86	18.80	18.89	0-5	5
		1	12	18.90	18.79	18.60	0-5	5
		1	24	18.65	18.80	18.67	0-5	5
		12	0	18.75	18.75	18.73	0-5	5
		12	6	18.85	18.66	18.55	0-5	5
		12	11	18.67	18.61	18.75	0-5	5
		25	0	18.77	18.75	18.67	0-5	5

LTE FDD 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	23.52	0	0
		1	24	23.62	0	0
		1	49	23.48	0	0
		25	0	22.72	0-1	1
		25	12	22.71	0-1	1
		25	24	22.61	0-1	1
		50	0	22.77	0-1	1
	16QAM	1	0	23.29	0-1	1
		1	24	23.15	0-1	1
		1	49	23.27	0-1	1
		25	0	21.68	0-2	2
		25	12	21.68	0-2	2
		25	24	21.48	0-2	2
		50	0	21.77	0-2	2
	64QAM	1	0	21.85	0-2	2
		1	24	21.97	0-2	2
		1	49	21.94	0-2	2
		25	0	20.84	0-3	3
		25	12	20.72	0-3	3
		25	24	20.68	0-3	3
		50	0	20.65	0-3	3
	256QAM	1	0	18.89	0-5	5
		1	24	18.98	0-5	5
		1	49	18.50	0-5	5
		25	0	18.87	0-5	5
		25	12	18.62	0-5	5
		25	24	18.63	0-5	5
		50	0	18.59	0-5	5

11.3.6 LTE FDD Band 13 Conducted Power

LTE FDD Band 13 _ 5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23205 779.5 MHz	23230 Ch. 782 MHz	23255 784.5 MHz		
5 MHz	QPSK	1	0	23.64	23.59	23.39	0	0
		1	12	23.43	23.67	23.54	0	0
		1	24	23.53	23.60	23.41	0	0
		12	0	22.72	22.52	22.52	0-1	1
		12	6	22.68	22.66	22.64	0-1	1
		12	11	22.69	22.75	22.64	0-1	1
		25	0	22.62	22.74	22.66	0-1	1
	16QAM	1	0	22.95	22.94	22.64	0-1	1
		1	12	22.79	22.86	22.93	0-1	1
		1	24	22.91	22.98	22.84	0-1	1
		12	0	21.80	21.71	21.68	0-2	2
		12	6	21.94	21.81	21.72	0-2	2
		12	11	21.81	21.79	21.74	0-2	2
		25	0	21.72	21.72	21.73	0-2	2
	64QAM	1	0	21.88	21.97	21.90	0-2	2
		1	12	21.78	21.71	21.68	0-2	2
		1	24	21.89	21.76	21.68	0-2	2
		12	0	20.80	20.70	20.66	0-3	3
		12	6	20.75	20.71	20.74	0-3	3
		12	11	20.83	20.87	20.63	0-3	3
		25	0	20.67	20.71	20.60	0-3	3
	256QAM	1	0	18.87	18.75	18.79	0-5	5
		1	12	18.89	18.63	18.57	0-5	5
		1	24	18.93	18.78	18.77	0-5	5
		12	0	18.78	18.64	18.80	0-5	5
		12	6	18.64	18.85	18.66	0-5	5
		12	11	18.77	18.69	18.65	0-5	5
		25	0	18.67	18.81	18.56	0-5	5

LTE FDD 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	23.61	0	0
		1	24	23.74	0	0
		1	49	23.58	0	0
		25	0	22.68	0-1	1
		25	12	22.65	0-1	1
		25	24	22.82	0-1	1
		50	0	22.73	0-1	1
	16QAM	1	0	23.09	0-1	1
		1	24	23.12	0-1	1
		1	49	22.94	0-1	1
		25	0	21.86	0-2	2
		25	12	21.75	0-2	2
		25	24	21.73	0-2	2
		50	0	21.79	0-2	2
	64QAM	1	0	21.77	0-2	2
		1	24	21.69	0-2	2
		1	49	21.73	0-2	2
		25	0	20.80	0-3	3
		25	12	20.73	0-3	3
		25	24	20.69	0-3	3
		50	0	20.66	0-3	3
	256QAM	1	0	18.83	0-5	5
		1	24	18.99	0-5	5
		1	49	18.68	0-5	5
		25	0	18.56	0-5	5
		25	12	18.71	0-5	5
		25	24	18.56	0-5	5
		50	0	18.51	0-5	5

11.3.7 LTE FDD Band 14 Conducted Power

LTE FDD Band 14 _ 5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23305 Ch. 790.5 MHz	23330 Ch. 793 MHz	23355 Ch. 795.5 MHz		
5 MHz	QPSK	1	0	23.36	23.56	23.51	0	0
		1	12	23.52	23.57	23.43	0	0
		1	24	23.52	23.45	23.34	0	0
		12	0	22.49	22.43	22.57	0-1	1
		12	6	22.68	22.48	22.57	0-1	1
		12	11	22.59	22.68	22.59	0-1	1
		25	0	22.46	22.60	22.46	0-1	1
	16QAM	1	0	22.75	22.65	22.82	0-1	1
		1	12	22.81	22.87	22.93	0-1	1
		1	24	22.90	22.92	22.81	0-1	1
		12	0	21.53	21.50	21.57	0-2	2
		12	6	21.54	21.56	21.69	0-2	2
		12	11	21.51	21.57	21.60	0-2	2
		25	0	21.68	21.58	21.63	0-2	2
	64QAM	1	0	21.68	21.67	21.76	0-2	2
		1	12	21.71	21.80	21.67	0-2	2
		1	24	21.60	21.71	21.56	0-2	2
		12	0	20.60	20.54	20.45	0-3	3
		12	6	20.58	20.60	20.67	0-3	3
		12	11	20.60	20.50	20.61	0-3	3
		25	0	20.54	20.63	20.39	0-3	3
	256QAM	1	0	18.66	18.69	18.62	0-5	5
		1	12	18.62	18.60	18.53	0-5	5
		1	24	18.67	18.63	18.55	0-5	5
		12	0	18.50	18.60	18.58	0-5	5
		12	6	18.64	18.53	18.51	0-5	5
		12	11	18.48	18.48	18.64	0-5	5
		25	0	18.46	18.51	18.62	0-5	5

LTE FDD 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	23.48	0	0
		1	24	23.34	0	0
		1	49	23.33	0	0
		25	0	22.53	0-1	1
		25	12	22.62	0-1	1
		25	24	22.48	0-1	1
		50	0	22.66	0-1	1
	16QAM	1	0	22.95	0-1	1
		1	24	22.95	0-1	1
		1	49	22.89	0-1	1
		25	0	21.58	0-2	2
		25	12	21.53	0-2	2
		25	24	21.48	0-2	2
		50	0	21.53	0-2	2
	64QAM	1	0	21.70	0-2	2
		1	24	21.80	0-2	2
		1	49	21.69	0-2	2
		25	0	20.54	0-3	3
		25	12	20.51	0-3	3
		25	24	20.59	0-3	3
		50	0	20.54	0-3	3
	256QAM	1	0	18.56	0-5	5
		1	24	18.85	0-5	5
		1	49	18.90	0-5	5
		25	0	18.53	0-5	5
		25	12	18.64	0-5	5
		25	24	18.54	0-5	5
		50	0	18.65	0-5	5

11.3.8 LTE FDD Band 17 Conducted Power

LTE FDD Band 17 _ 5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23755 Ch. 706.5 MHz	23790 Ch. 710 MHz	23825 Ch. 713.5 MHz		
5 MHz	QPSK	1	0	23.65	23.72	23.72	0	0
		1	12	23.62	23.88	23.68	0	0
		1	24	23.67	23.74	23.58	0	0
		12	0	22.77	22.73	22.82	0-1	1
		12	6	22.73	22.86	22.78	0-1	1
		12	11	22.79	22.87	22.73	0-1	1
		25	0	22.77	22.87	22.66	0-1	1
	16QAM	1	0	23.05	23.09	22.94	0-1	1
		1	12	23.07	23.08	22.98	0-1	1
		1	24	22.96	23.17	22.98	0-1	1
		12	0	21.94	21.97	21.69	0-2	2
		12	6	21.90	21.76	21.97	0-2	2
		12	11	21.92	21.93	21.77	0-2	2
		25	0	21.75	21.81	21.79	0-2	2
	64QAM	1	0	21.88	22.06	21.94	0-2	2
		1	12	21.90	21.91	21.92	0-2	2
		1	24	21.92	21.95	22.09	0-2	2
		12	0	20.72	20.76	20.88	0-3	3
		12	6	20.89	20.79	20.83	0-3	3
		12	11	20.92	20.80	20.77	0-3	3
		25	0	20.97	20.86	20.66	0-3	3
	256QAM	1	0	18.99	19.02	18.96	0-5	5
		1	12	19.08	18.89	18.79	0-5	5
		1	24	18.89	19.13	18.92	0-5	5
		12	0	18.82	18.96	18.66	0-5	5
		12	6	18.99	18.87	18.96	0-5	5
		12	11	18.87	18.92	18.75	0-5	5
		25	0	18.67	18.93	18.77	0-5	5

LTE FDD Band 17 _ 10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
					23790 Ch. 710 MHz			
10 MHz	QPSK	1	0		23.70		0	0
		1	24		23.81		0	0
		1	49		23.56		0	0
		25	0		22.84		0-1	1
		25	12		22.87		0-1	1
		25	24		23.00		0-1	1
		50	0		22.83		0-1	1
	16QAM	1	0		23.28		0-1	1
		1	24		23.27		0-1	1
		1	49		23.11		0-1	1
		25	0		21.78		0-2	2
		25	12		21.80		0-2	2
		25	24		21.80		0-2	2
		50	0		21.81		0-2	2
	64QAM	1	0		21.96		0-2	2
		1	24		22.08		0-2	2
		1	49		22.03		0-2	2
		25	0		20.81		0-3	3
		25	12		20.98		0-3	3
		25	24		20.95		0-3	3
		50	0		20.91		0-3	3
	256QAM	1	0		18.96		0-5	5
		1	24		19.12		0-5	5
		1	49		18.84		0-5	5
		25	0		19.00		0-5	5
		25	12		18.75		0-5	5
		25	24		18.90		0-5	5
		50	0		18.88		0-5	5

11.3.9 LTE FDD Band 25 Maximum Conducted Output Power

LTE FDD Band 25 _ 1.4 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26047 Ch. 1850.7 MHz	26365 Ch. 1882.5 MHz	26683 Ch. 1914.3 MHz		
1.4 MHz	QPSK	1	0	23.55	23.66	23.63	0	0
		1	3	23.65	23.74	23.63	0	0
		1	5	23.52	23.68	23.48	0	0
		3	0	23.54	23.56	23.40	0	0
		3	1	23.63	23.76	23.66	0	0
		3	3	23.52	23.54	23.47	0	0
		6	0	22.61	22.59	22.63	0-1	1
	16QAM	1	0	22.73	22.74	22.84	0-1	1
		1	3	22.96	22.98	22.87	0-1	1
		1	5	22.81	22.90	22.98	0-1	1
		3	0	22.82	22.81	22.76	0-1	1
		3	1	22.84	22.88	22.68	0-1	1
		3	3	22.72	22.83	22.88	0-1	1
		6	0	21.60	21.70	21.74	0-2	2
	64QAM	1	0	21.79	21.83	21.74	0-2	2
		1	3	22.03	22.00	21.87	0-2	2
		1	5	21.99	21.85	21.83	0-2	2
		3	0	21.75	21.87	21.73	0-2	2
		3	1	21.77	21.97	21.77	0-2	2
		3	3	21.81	21.79	21.81	0-2	2
		6	0	20.59	20.71	20.81	0-3	3
	256QAM	1	0	18.59	18.75	18.71	0-5	5
		1	3	18.93	18.88	18.79	0-5	5
		1	5	18.90	18.76	18.81	0-5	5
		3	0	18.84	18.86	18.68	0-5	5
		3	1	18.80	18.81	18.73	0-5	5
		3	3	18.74	18.83	18.81	0-5	5
		6	0	18.69	18.69	18.64	0-5	5

LTE FDD Band 25 _ 3 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26055 Ch. 1851.5 MHz	26365 Ch. 1882.5 MHz	26675 Ch. 1913.5 MHz		
3 MHz	QPSK	1	0	23.32	23.50	23.32	0	0
		1	7	23.61	23.60	23.62	0	0
		1	14	23.66	23.76	23.59	0	0
		8	0	22.56	22.69	22.44	0-1	1
		8	3	22.67	22.63	22.43	0-1	1
		8	7	22.56	22.70	22.67	0-1	1
		15	0	22.59	22.68	22.49	0-1	1
	16QAM	1	0	22.72	22.87	22.94	0-1	1
		1	7	22.85	23.12	22.79	0-1	1
		1	14	22.83	23.01	23.04	0-1	1
		8	0	21.58	21.71	21.66	0-2	2
		8	3	21.59	21.64	21.63	0-2	2
		8	7	21.80	21.84	21.82	0-2	2
		15	0	21.56	21.75	21.61	0-2	2
	64QAM	1	0	21.71	21.75	21.76	0-2	2
		1	7	21.84	21.90	21.62	0-2	2
		1	14	21.80	21.91	22.03	0-2	2
		8	0	20.59	20.72	20.50	0-3	3
		8	3	20.68	20.57	20.62	0-3	3
		8	7	20.60	20.86	20.76	0-3	3
		15	0	20.66	20.68	20.46	0-3	3
	256QAM	1	0	18.79	18.78	18.55	0-5	5
		1	7	18.80	18.87	18.66	0-5	5
		1	14	18.66	18.84	18.79	0-5	5
		8	0	18.60	18.66	18.65	0-5	5
		8	3	18.61	18.66	18.66	0-5	5
		8	7	18.70	18.66	18.79	0-5	5
		15	0	18.77	18.56	18.68	0-5	5

LTE FDD Band 25 _ 5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26065 Ch. 1852.5 MHz	26365 Ch. 1882.5 MHz	26665 Ch. 1912.5 MHz		
5 MHz	QPSK	1	0	23.56	23.59	23.43	0	0
		1	12	23.51	23.67	23.68	0	0
		1	24	23.66	23.65	23.62	0	0
		12	0	22.65	22.65	22.69	0-1	1
		12	6	22.62	22.66	22.78	0-1	1
		12	11	22.64	22.74	22.78	0-1	1
		25	0	22.65	22.71	22.78	0-1	1
	16QAM	1	0	22.84	22.86	22.99	0-1	1
		1	12	22.88	22.79	23.00	0-1	1
		1	24	23.01	23.05	22.90	0-1	1
		12	0	21.74	21.82	21.57	0-2	2
		12	6	21.66	21.86	21.78	0-2	2
		12	11	21.67	21.84	21.74	0-2	2
		25	0	21.72	21.58	21.72	0-2	2
	64QAM	1	0	21.67	21.92	21.93	0-2	2
		1	12	21.92	21.97	22.02	0-2	2
		1	24	21.99	21.91	22.03	0-2	2
		12	0	20.65	20.72	20.67	0-3	3
		12	6	20.84	20.72	20.70	0-3	3
		12	11	20.87	20.96	20.88	0-3	3
		25	0	20.62	20.58	20.69	0-3	3
	256QAM	1	0	18.74	18.78	18.87	0-5	5
		1	12	18.86	18.96	18.88	0-5	5
		1	24	18.80	18.96	18.86	0-5	5
		12	0	18.76	18.70	18.68	0-5	5
		12	6	18.61	18.75	18.85	0-5	5
		12	11	18.75	18.90	18.72	0-5	5
		25	0	18.72	18.57	18.69	0-5	5

LTE FDD Band 25 _ 10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26090 Ch. 1855 MHz	26365 Ch. 1882.5 MHz	26640 Ch. 1910 MHz		
10 MHz	QPSK	1	0	23.48	23.71	23.67	0	0
		1	24	23.50	23.69	23.36	0	0
		1	49	23.53	23.70	23.70	0	0
		25	0	22.48	22.63	22.67	0-1	1
		25	12	22.75	22.72	22.58	0-1	1
		25	24	22.61	22.65	22.68	0-1	1
		50	0	22.71	22.67	22.64	0-1	1
	16QAM	1	0	23.18	23.11	23.06	0-1	1
		1	24	22.98	23.13	22.97	0-1	1
		1	49	23.17	22.87	23.07	0-1	1
		25	0	21.55	21.78	21.76	0-2	2
		25	12	21.76	21.85	21.69	0-2	2
		25	24	21.69	21.76	21.86	0-2	2
		50	0	21.78	21.72	21.54	0-2	2
	64QAM	1	0	21.68	21.62	21.92	0-2	2
		1	24	21.89	21.94	22.02	0-2	2
		1	49	21.90	22.05	21.97	0-2	2
		25	0	20.67	20.67	20.67	0-3	3
		25	12	20.87	20.70	20.83	0-3	3
		25	24	20.91	20.83	20.74	0-3	3
		50	0	20.81	20.65	20.88	0-3	3
	256QAM	1	0	18.81	18.82	18.85	0-5	5
		1	24	18.45	18.86	18.90	0-5	5
		1	49	18.93	18.75	18.96	0-5	5
		25	0	18.68	18.70	18.78	0-5	5
		25	12	18.76	18.84	18.62	0-5	5
		25	24	18.76	18.79	18.85	0-5	5
		50	0	18.71	18.60	18.70	0-5	5

LTE FDD Band 25 _ 15 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26115 Ch. 1857.5 MHz	26365 Ch. 1882.5 MHz	26615 Ch. 1907.5 MHz		
15 MHz	QPSK	1	0	23.58	23.75	23.76	0	0
		1	36	23.37	23.72	23.69	0	0
		1	74	23.67	23.72	23.58	0	0
		36	0	22.77	22.72	22.84	0-1	1
		36	18	22.83	22.71	22.83	0-1	1
		36	39	22.87	22.87	22.67	0-1	1
		75	0	22.71	22.74	22.75	0-1	1
	16QAM	1	0	22.76	23.09	22.97	0-1	1
		1	36	22.89	23.06	22.92	0-1	1
		1	74	23.07	23.07	23.07	0-1	1
		36	0	21.71	21.84	21.81	0-2	2
		36	18	21.91	21.81	21.62	0-2	2
		36	39	21.90	21.84	21.82	0-2	2
		75	0	21.79	21.69	21.75	0-2	2
	64QAM	1	0	21.76	21.96	21.98	0-2	2
		1	36	21.96	22.10	22.01	0-2	2
		1	74	21.97	22.16	21.82	0-2	2
		36	0	20.83	20.80	20.73	0-3	3
		36	18	20.85	20.90	20.79	0-3	3
		36	39	20.71	20.83	20.77	0-3	3
		75	0	20.76	20.81	20.93	0-3	3
	256QAM	1	0	18.86	18.75	18.80	0-5	5
		1	36	18.83	18.94	18.80	0-5	5
		1	74	18.90	18.92	19.02	0-5	5
		36	0	18.75	18.83	18.85	0-5	5
		36	18	18.94	18.72	18.71	0-5	5
		36	39	18.76	18.87	18.85	0-5	5
		75	0	18.86	18.90	18.85	0-5	5

LTE FDD Band 25 _ 20 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26140 Ch. 1860 MHz	26365 Ch. 1882.5 MHz	26590 Ch. 1905 MHz		
20 MHz	QPSK	1	0	23.79	23.62	23.72	0	0
		1	49	23.59	23.74	23.57	0	0
		1	99	23.70	23.80	23.59	0	0
		50	0	22.75	22.72	22.60	0-1	1
		50	25	22.66	22.76	22.71	0-1	1
		50	49	22.79	22.69	22.87	0-1	1
		100	0	22.80	22.79	22.69	0-1	1
	16QAM	1	0	22.99	23.07	22.94	0-1	1
		1	49	22.97	22.97	23.05	0-1	1
		1	99	23.01	22.87	22.96	0-1	1
		50	0	21.82	21.80	21.65	0-2	2
		50	25	21.83	21.83	21.77	0-2	2
		50	49	21.73	21.84	21.69	0-2	2
		100	0	21.76	21.70	21.68	0-2	2
	64QAM	1	0	21.85	21.97	21.84	0-2	2
		1	49	21.95	21.99	21.97	0-2	2
		1	99	21.99	21.88	21.87	0-2	2
		50	0	20.59	20.70	20.64	0-3	3
		50	25	20.79	20.68	20.89	0-3	3
		50	49	20.71	20.88	20.88	0-3	3
		100	0	20.75	20.73	20.74	0-3	3
	256QAM	1	0	18.73	18.82	18.90	0-5	5
		1	49	18.85	19.00	18.87	0-5	5
		1	99	19.04	18.90	19.05	0-5	5
		50	0	18.70	18.69	18.72	0-5	5
		50	25	18.88	18.91	18.71	0-5	5
		50	49	18.84	18.84	18.82	0-5	5
		100	0	18.91	18.83	18.67	0-5	5

11.3.10 LTE FDD Band 26 Maximum Conducted Output Power

LTE FDD 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	23.62	23.40	23.49	0	0
		1	3	23.41	23.61	23.63	0	0
		1	5	23.48	23.63	23.47	0	0
		3	0	23.52	23.60	23.34	0	0
		3	1	23.45	23.62	23.58	0	0
		3	3	23.45	23.59	23.32	0	0
		6	0	22.53	22.66	22.68	0-1	1
	16QAM	1	0	22.85	23.04	22.74	0-1	1
		1	3	23.09	23.07	23.08	0-1	1
		1	5	22.62	22.95	22.69	0-1	1
		3	0	22.74	22.61	22.71	0-1	1
		3	1	22.70	22.84	22.69	0-1	1
		3	3	22.53	22.91	22.71	0-1	1
		6	0	21.71	21.63	21.59	0-2	2
	64QAM	1	0	21.84	21.95	21.62	0-2	2
		1	3	21.68	21.85	21.75	0-2	2
		1	5	21.70	21.84	21.56	0-2	2
		3	0	21.71	21.77	21.50	0-2	2
		3	1	21.72	21.80	21.73	0-2	2
		3	3	21.63	21.86	21.72	0-2	2
		6	0	20.60	20.60	20.66	0-3	3
	256QAM	1	0	18.68	18.81	18.59	0-5	5
		1	3	18.64	18.75	18.64	0-5	5
		1	5	18.71	18.86	18.54	0-5	5
		3	0	18.72	18.88	18.83	0-5	5
		3	1	18.71	18.89	18.86	0-5	5
		3	3	18.73	18.88	18.72	0-5	5
		6	0	18.68	18.75	18.51	0-5	5

LTE FDD 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	23.63	23.59	23.63	0	0
		1	7	23.42	23.80	23.53	0	0
		1	14	23.53	23.80	23.67	0	0
		8	0	22.67	22.85	22.52	0-1	1
		8	3	22.83	22.78	22.61	0-1	1
		8	7	22.66	22.75	22.49	0-1	1
		15	0	22.76	22.67	22.58	0-1	1
	16QAM	1	0	22.99	22.97	22.97	0-1	1
		1	7	23.20	22.97	22.73	0-1	1
		1	14	22.92	23.08	22.90	0-1	1
		8	0	21.66	21.82	21.74	0-2	2
		8	3	21.85	21.89	21.75	0-2	2
		8	7	21.73	21.88	21.68	0-2	2
		15	0	21.73	21.82	21.59	0-2	2
	64QAM	1	0	21.74	21.91	21.71	0-2	2
		1	7	21.69	21.94	21.69	0-2	2
		1	14	21.64	21.88	21.86	0-2	2
		8	0	20.85	20.82	20.61	0-3	3
		8	3	20.71	20.84	20.70	0-3	3
		8	7	20.65	20.68	20.73	0-3	3
		15	0	20.65	20.73	20.66	0-3	3
	256QAM	1	0	18.71	18.88	18.74	0-5	5
		1	7	18.81	18.90	18.86	0-5	5
		1	14	18.68	18.77	18.60	0-5	5
		8	0	18.87	18.72	18.61	0-5	5
		8	3	18.67	18.85	18.72	0-5	5
		8	7	18.68	18.85	18.80	0-5	5
		15	0	18.82	18.85	18.60	0-5	5

LTE FDD 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	23.68	23.62	23.49	0	0
		1	12	23.65	23.63	23.69	0	0
		1	24	23.61	23.56	23.63	0	0
		12	0	22.64	22.88	22.70	0-1	1
		12	6	22.80	22.67	22.59	0-1	1
		12	11	22.81	22.67	22.57	0-1	1
		25	0	22.82	22.62	22.59	0-1	1
	16QAM	1	0	23.18	22.89	22.94	0-1	1
		1	12	23.12	23.22	22.78	0-1	1
		1	24	22.92	22.89	22.81	0-1	1
		12	0	21.64	21.70	21.74	0-2	2
		12	6	21.73	21.70	21.73	0-2	2
		12	11	21.71	21.63	21.73	0-2	2
		25	0	21.62	21.65	21.60	0-2	2
	64QAM	1	0	22.05	21.85	21.95	0-2	2
		1	12	21.90	21.86	21.75	0-2	2
		1	24	21.83	21.66	21.72	0-2	2
		12	0	20.79	20.72	20.67	0-3	3
		12	6	20.79	20.70	20.66	0-3	3
		12	11	20.67	20.63	20.77	0-3	3
		25	0	20.66	20.66	20.73	0-3	3
	256QAM	1	0	18.78	18.85	18.83	0-5	5
		1	12	18.85	18.73	19.02	0-5	5
		1	24	18.63	18.72	18.61	0-5	5
		12	0	18.64	18.55	18.73	0-5	5
		12	6	18.82	18.59	18.76	0-5	5
		12	11	18.69	18.64	18.74	0-5	5
		25	0	18.82	18.67	18.72	0-5	5

LTE FDD 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	23.48	23.46	23.66	0	0
		1	24	23.54	23.35	23.54	0	0
		1	49	23.61	23.46	23.38	0	0
		25	0	22.60	22.66	22.62	0-1	1
		25	12	22.70	22.72	22.56	0-1	1
		25	24	22.66	22.62	22.71	0-1	1
		50	0	22.59	22.71	22.65	0-1	1
	16QAM	1	0	23.04	22.94	23.14	0-1	1
		1	24	22.89	22.84	22.94	0-1	1
		1	49	22.92	23.10	22.86	0-1	1
		25	0	21.66	21.70	21.61	0-2	2
		25	12	21.65	21.74	21.49	0-2	2
		25	24	21.62	21.56	21.50	0-2	2
		50	0	21.53	21.69	21.65	0-2	2
	64QAM	1	0	21.64	21.93	21.80	0-2	2
		1	24	21.79	21.95	21.79	0-2	2
		1	49	21.70	21.88	21.81	0-2	2
		25	0	20.68	20.62	20.67	0-3	3
		25	12	20.78	20.70	20.52	0-3	3
		25	24	20.68	20.72	20.57	0-3	3
		50	0	20.65	20.68	20.60	0-3	3
	256QAM	1	0	18.66	18.65	18.73	0-5	5
		1	24	18.48	18.35	18.78	0-5	5
		1	49	18.86	18.72	18.51	0-5	5
		25	0	18.70	18.79	18.68	0-5	5
		25	12	18.79	18.61	18.65	0-5	5
		25	24	18.58	18.71	18.63	0-5	5
		50	0	18.77	18.63	18.54	0-5	5

LTE FDD 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	23.63	0	0
		1	36	23.48	0	0
		1	74	23.58	0	0
		36	0	22.73	0-1	1
		36	18	22.68	0-1	1
		36	39	22.78	0-1	1
		75	0	22.70	0-1	1
	16QAM	1	0	23.04	0-1	1
		1	36	22.81	0-1	1
		1	74	22.81	0-1	1
		36	0	21.68	0-2	2
		36	18	21.69	0-2	2
		36	39	21.69	0-2	2
		75	0	21.59	0-2	2
	64QAM	1	0	21.67	0-2	2
		1	36	21.71	0-2	2
		1	74	21.64	0-2	2
		36	0	20.78	0-3	3
		36	18	20.85	0-3	3
		36	39	20.71	0-3	3
		75	0	20.81	0-3	3
	256QAM	1	0	18.74	0-5	5
		1	36	18.79	0-5	5
		1	74	18.82	0-5	5
		36	0	18.77	0-5	5
		36	18	18.76	0-5	5
		36	39	18.62	0-5	5
		75	0	18.71	0-5	5

11.3.11 LTE TDD Band 38 Maximum Conducted Output Power

LTE TDD Band 38 _ 5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				37775 Ch. 2572.5 MHz	38000 Ch. 2595 MHz	38225 Ch. 2617.5 MHz		
5 MHz	QPSK	1	0	23.59	23.60	23.62	0	0
		1	12	23.53	23.60	23.48	0	0
		1	24	23.47	23.53	23.56	0	0
		12	0	22.63	22.54	22.51	0-1	1
		12	6	22.59	22.63	22.52	0-1	1
		12	11	22.58	22.60	22.57	0-1	1
		25	0	22.73	22.63	22.57	0-1	1
	16QAM	1	0	22.68	22.76	22.63	0-1	1
		1	12	22.64	22.78	22.66	0-1	1
		1	24	22.62	22.77	22.65	0-1	1
		12	0	21.62	21.67	21.49	0-2	2
		12	6	21.55	21.64	21.60	0-2	2
		12	11	21.64	21.54	21.50	0-2	2
		25	0	21.71	21.78	21.74	0-2	2
	64QAM	1	0	21.34	21.38	21.27	0-2	2
		1	12	21.27	21.32	21.38	0-2	2
		1	24	21.38	21.28	21.21	0-2	2
		12	0	20.70	20.62	20.48	0-3	3
		12	6	20.74	20.58	20.62	0-3	3
		12	11	20.73	20.74	20.52	0-3	3
		25	0	20.78	20.70	20.63	0-3	3
	256QAM	1	0	18.57	18.51	18.48	0-5	5
		1	12	18.53	18.47	18.44	0-5	5
		1	24	18.48	18.43	18.40	0-5	5
		12	0	18.86	18.67	18.74	0-5	5
		12	6	18.74	18.65	18.78	0-5	5
		12	11	18.73	18.91	18.84	0-5	5
		25	0	18.73	18.66	18.70	0-5	5

LTE TDD Band 38 _ 10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				37800 Ch. 2575 MHz	38000 Ch. 2595 MHz	38200 Ch. 2615 MHz		
10 MHz	QPSK	1	0	23.57	23.65	23.53	0	0
		1	24	23.47	23.59	23.54	0	0
		1	49	23.47	23.60	23.50	0	0
		25	0	22.68	22.76	22.52	0-1	1
		25	12	22.74	22.58	22.61	0-1	1
		25	24	22.74	22.74	22.57	0-1	1
		50	0	22.67	22.56	22.64	0-1	1
	16QAM	1	0	22.91	22.85	22.78	0-1	1
		1	24	22.74	22.69	22.77	0-1	1
		1	49	22.63	22.71	22.58	0-1	1
		25	0	21.73	21.60	21.54	0-2	2
		25	12	21.83	21.68	21.65	0-2	2
		25	24	21.79	21.69	21.64	0-2	2
		50	0	21.72	21.63	21.67	0-2	2
	64QAM	1	0	21.45	21.40	21.22	0-2	2
		1	24	21.28	21.40	21.22	0-2	2
		1	49	21.34	21.40	21.33	0-2	2
		25	0	20.65	20.70	20.56	0-3	3
		25	12	20.79	20.60	20.66	0-3	3
		25	24	20.61	20.80	20.66	0-3	3
		50	0	20.74	20.71	20.72	0-3	3
	256QAM	1	0	18.57	18.50	18.52	0-5	5
		1	24	18.43	18.60	18.46	0-5	5
		1	49	18.50	18.57	18.47	0-5	5
		25	0	18.80	18.74	18.72	0-5	5
		25	12	18.83	18.64	18.72	0-5	5
		25	24	18.72	18.82	18.80	0-5	5
		50	0	18.74	18.78	18.83	0-5	5

LTE TDD Band 38 _ 15 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				37825 Ch. 2577.5 MHz	38000 Ch. 2595 MHz	38175 Ch. 2612.5 MHz		
15 MHz	QPSK	1	0	23.59	23.62	23.54	0	0
		1	36	23.66	23.49	23.57	0	0
		1	74	23.55	23.63	23.49	0	0
		36	0	22.64	22.63	22.69	0-1	1
		36	18	22.71	22.65	22.65	0-1	1
		36	39	22.66	22.71	22.53	0-1	1
		75	0	22.78	22.73	22.72	0-1	1
	16QAM	1	0	22.84	22.61	22.61	0-1	1
		1	36	22.58	22.57	22.46	0-1	1
		1	74	22.49	22.46	22.60	0-1	1
		36	0	21.76	21.60	21.55	0-2	2
		36	18	21.74	21.47	21.59	0-2	2
		36	39	21.69	21.61	21.57	0-2	2
		75	0	21.81	21.76	21.67	0-2	2
	64QAM	1	0	21.33	21.47	21.40	0-2	2
		1	36	21.41	21.30	21.36	0-2	2
		1	74	21.25	21.32	21.34	0-2	2
		36	0	20.85	20.77	20.58	0-3	3
		36	18	20.76	20.73	20.70	0-3	3
		36	39	20.65	20.64	20.76	0-3	3
		75	0	20.76	20.66	20.84	0-3	3
	256QAM	1	0	18.58	18.53	18.52	0-5	5
		1	36	18.50	18.50	18.42	0-5	5
		1	74	18.48	18.50	18.49	0-5	5
		36	0	18.67	18.75	18.70	0-5	5
		36	18	18.78	18.80	18.69	0-5	5
		36	39	18.81	18.68	18.82	0-5	5
		75	0	18.86	18.64	18.87	0-5	5

LTE TDD Band 38 _ 20 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
					38000 Ch. 2595 MHz			
20 MHz	QPSK	1	0		23.54		0	0
		1	49		23.46		0	0
		1	99		23.48		0	0
		50	0		22.76		0-1	1
		50	25		22.67		0-1	1
		50	49		22.65		0-1	1
		100	0		22.61		0-1	1
	16QAM	1	0		22.66		0-1	1
		1	49		22.67		0-1	1
		1	99		22.48		0-1	1
		50	0		21.68		0-2	2
		50	25		21.60		0-2	2
		50	49		21.61		0-2	2
		100	0		21.61		0-2	2
	64QAM	1	0		21.29		0-2	2
		1	49		21.23		0-2	2
		1	99		21.18		0-2	2
		50	0		20.66		0-3	3
		50	25		20.77		0-3	3
		50	49		20.71		0-3	3
		100	0		20.64		0-3	3
	256QAM	1	0		18.54		0-5	5
		1	49		18.43		0-5	5
		1	99		18.57		0-5	5
		50	0		18.84		0-5	5
		50	25		18.74		0-5	5
		50	49		18.83		0-5	5
		100	0		18.79		0-5	5

11.3.12 LTE TDD Band 41 Maximum Conducted Output Power

LTE TDD Band 41_5 MHz Bandwidth Conducted Power

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
5 MHz	QPSK	1	0	23.50	23.54	23.52	23.37	23.32	0	0
		1	12	23.51	23.50	23.58	23.43	23.26	0	0
		1	24	23.45	23.49	23.38	23.38	23.32	0	0
		12	0	22.47	22.71	22.56	22.61	22.43	0-1	1
		12	6	22.59	22.62	22.48	22.61	22.38	0-1	1
		12	11	22.47	22.73	22.52	22.46	22.33	0-1	1
		25	0	22.43	22.67	22.53	22.51	22.35	0-1	1
	16QAM	1	0	22.58	22.54	22.52	22.48	22.49	0-1	1
		1	12	22.55	22.72	22.69	22.54	22.44	0-1	1
		1	24	22.55	22.66	22.53	22.46	22.37	0-1	1
		12	0	21.43	21.55	21.44	21.45	21.34	0-2	2
		12	6	21.56	21.59	21.44	21.46	21.31	0-2	2
		12	11	21.54	21.58	21.52	21.52	21.25	0-2	2
		25	0	21.48	21.78	21.64	21.50	21.53	0-2	2
	64QAM	1	0	21.33	21.36	21.33	21.17	20.96	0-2	2
		1	12	21.28	21.38	21.32	21.17	21.10	0-2	2
		1	24	21.24	21.22	21.25	21.19	21.09	0-2	2
		12	0	20.48	20.71	20.53	20.44	20.42	0-3	3
		12	6	20.49	20.76	20.65	20.57	20.42	0-3	3
		12	11	20.53	20.72	20.49	20.40	20.47	0-3	3
		25	0	20.61	20.57	20.60	20.43	20.41	0-3	3
	256QAM	1	0	18.34	18.48	18.34	18.30	18.25	0-5	5
		1	12	18.46	18.57	18.55	18.38	18.33	0-5	5
		1	24	18.44	18.56	18.33	18.34	18.33	0-5	5
		12	0	18.65	18.88	18.71	18.59	18.52	0-5	5
		12	6	18.80	18.79	18.61	18.61	18.63	0-5	5
		12	11	18.66	18.73	18.77	18.73	18.59	0-5	5
		25	0	18.58	18.69	18.67	18.49	18.50	0-5	5

LTE TDD Band 41 _ 10 MHz Bandwidth Conducted Power

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
10 MHz	QPSK	1	0	23.48	23.66	23.50	23.49	23.41	0	0
		1	24	23.44	23.72	23.51	23.45	23.29	0	0
		1	49	23.44	23.60	23.49	23.47	23.19	0	0
		25	0	22.64	22.67	22.58	22.45	22.41	0-1	1
		25	12	22.50	22.72	22.49	22.58	22.55	0-1	1
		25	24	22.61	22.61	22.57	22.55	22.35	0-1	1
		50	0	22.64	22.75	22.60	22.57	22.42	0-1	1
	16QAM	1	0	22.75	22.81	22.74	22.79	22.55	0-1	1
		1	24	22.64	22.80	22.65	22.69	22.52	0-1	1
		1	49	22.54	22.64	22.64	22.48	22.54	0-1	1
		25	0	21.62	21.65	21.65	21.59	21.35	0-2	2
		25	12	21.53	21.66	21.64	21.71	21.55	0-2	2
		25	24	21.55	21.67	21.46	21.55	21.46	0-2	2
		50	0	21.53	21.63	21.59	21.57	21.60	0-2	2
	64QAM	1	0	21.28	21.26	21.41	21.08	21.04	0-2	2
		1	24	21.25	21.19	21.37	21.27	21.11	0-2	2
		1	49	21.09	21.36	21.28	21.18	21.15	0-2	2
		25	0	20.67	20.59	20.61	20.47	20.44	0-3	3
		25	12	20.47	20.58	20.56	20.62	20.42	0-3	3
		25	24	20.51	20.63	20.73	20.51	20.54	0-3	3
		50	0	20.75	20.85	20.65	20.74	20.66	0-3	3
	256QAM	1	0	18.41	18.41	18.38	18.32	18.23	0-5	5
		1	24	18.43	18.65	18.39	18.29	18.25	0-5	5
		1	49	18.33	18.48	18.34	18.36	18.18	0-5	5
		25	0	18.78	18.68	18.60	18.53	18.45	0-5	5
		25	12	18.64	18.73	18.65	18.57	18.49	0-5	5
		25	24	18.74	18.83	18.72	18.72	18.61	0-5	5
		50	0	18.76	18.76	18.70	18.68	18.64	0-5	5

LTE TDD Band 41 _ 15 MHz Bandwidth Conducted Power

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
15 MHz	QPSK	1	0	23.59	23.54	23.63	23.45	23.33	0	0
		1	36	23.36	23.48	23.41	23.39	23.18	0	0
		1	74	23.27	23.48	23.50	23.38	23.31	0	0
		36	0	22.59	22.74	22.56	22.48	22.47	0-1	1
		36	18	22.67	22.72	22.57	22.53	22.44	0-1	1
		36	39	22.55	22.56	22.57	22.63	22.42	0-1	1
		75	0	22.66	22.69	22.50	22.52	22.47	0-1	1
	16QAM	1	0	22.62	22.66	22.57	22.73	22.35	0-1	1
		1	36	22.46	22.50	22.42	22.57	22.24	0-1	1
		1	74	22.39	22.69	22.58	22.56	22.43	0-1	1
		36	0	21.42	21.61	21.57	21.42	21.38	0-2	2
		36	18	21.56	21.58	21.48	21.54	21.39	0-2	2
		36	39	21.51	21.72	21.57	21.60	21.45	0-2	2
		75	0	21.67	21.70	21.57	21.53	21.47	0-2	2
	64QAM	1	0	21.15	21.42	21.23	21.21	20.98	0-2	2
		1	36	21.14	21.22	21.35	21.09	21.08	0-2	2
		1	74	21.17	21.21	21.24	21.22	21.11	0-2	2
		36	0	20.57	20.62	20.69	20.53	20.46	0-3	3
		36	18	20.58	20.85	20.74	20.58	20.51	0-3	3
		36	39	20.50	20.65	20.65	20.60	20.39	0-3	3
		75	0	20.65	20.74	20.73	20.58	20.60	0-3	3
	256QAM	1	0	18.34	18.54	18.48	18.44	18.35	0-5	5
		1	36	18.42	18.57	18.36	18.39	18.22	0-5	5
		1	74	18.43	18.56	18.52	18.33	18.36	0-5	5
		36	0	18.74	18.80	18.68	18.70	18.52	0-5	5
		36	18	18.74	18.91	18.59	18.69	18.51	0-5	5
		36	39	18.59	18.76	18.69	18.65	18.59	0-5	5
		75	0	18.61	18.82	18.78	18.70	18.54	0-5	5

LTE TDD Band 41 _ 20 MHz Bandwidth Conducted Power

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
20 MHz	QPSK	1	0	23.51	23.62	23.75	23.63	23.47	0	0
		1	49	23.35	23.48	23.45	23.32	23.27	0	0
		1	99	23.18	23.40	23.60	23.40	23.44	0	0
		50	0	22.56	22.63	22.72	22.50	22.35	0-1	1
		50	25	22.62	22.76	22.49	22.71	22.42	0-1	1
		50	49	22.53	22.56	22.59	22.62	22.34	0-1	1
		100	0	22.61	22.74	22.62	22.63	22.53	0-1	1
	16QAM	1	0	22.66	22.74	22.65	22.73	22.55	0-1	1
		1	49	22.46	22.57	22.52	22.51	22.40	0-1	1
		1	99	22.36	22.46	22.54	22.39	22.39	0-1	1
		50	0	21.53	21.60	21.69	21.71	21.41	0-2	2
		50	25	21.55	21.70	21.63	21.53	21.52	0-2	2
		50	49	21.65	21.64	21.64	21.67	21.39	0-2	2
		100	0	21.66	21.82	21.56	21.62	21.46	0-2	2
	64QAM	1	0	21.37	21.26	21.41	21.31	21.12	0-2	2
		1	49	21.17	21.18	21.22	21.18	21.02	0-2	2
		1	99	21.02	21.24	21.26	21.08	20.93	0-2	2
		50	0	20.58	20.81	20.66	20.73	20.58	0-3	3
		50	25	20.70	20.85	20.69	20.72	20.58	0-3	3
		50	49	20.60	20.75	20.76	20.67	20.50	0-3	3
		100	0	20.65	20.65	20.59	20.67	20.45	0-3	3
	256QAM	1	0	18.50	18.74	18.69	18.57	18.51	0-5	5
		1	49	18.29	18.56	18.45	18.34	18.26	0-5	5
		1	99	18.29	18.60	18.40	18.34	18.21	0-5	5
		50	0	18.55	18.76	18.75	18.64	18.60	0-5	5
		50	25	18.75	18.78	18.69	18.74	18.60	0-5	5
		50	49	18.56	18.90	18.68	18.54	18.56	0-5	5
		100	0	18.75	18.75	18.66	18.57	18.64	0-5	5

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

11.3.13 LTE TDD Band 42 Maximum Conducted Output Power

LTE TDD Band 42 _ 5 MHz Bandwidth Conducted Power

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]				MPR Allowed Per GPP [dB]	MPR [dB]
				41615 Ch.	42115 Ch.	42590 Ch.	43065 Ch.		
				3402.5 MHz	3452.5 MHz	3500 MHz	3547.5 MHz		
5 MHz	QPSK	1	0	22.65	23.00	23.18	23.27	0	0
		1	12	22.81	23.04	23.04	23.41	0	0
		1	24	22.69	23.01	22.88	23.33	0	0
		12	0	22.00	22.18	22.29	22.43	0-1	1
		12	6	22.07	22.22	22.24	22.55	0-1	1
		12	11	22.06	22.10	22.24	22.43	0-1	1
		25	0	22.07	22.12	22.04	22.54	0-1	1
	16QAM	1	0	22.00	22.18	22.30	22.55	0-1	1
		1	12	22.05	22.21	22.28	22.62	0-1	1
		1	24	22.01	22.22	22.26	22.52	0-1	1
		12	0	20.88	21.19	21.15	21.52	0-2	2
		12	6	20.92	21.07	21.22	21.42	0-2	2
		12	11	21.08	21.08	21.04	21.53	0-2	2
		25	0	21.02	21.22	21.26	21.53	0-2	2
	64QAM	1	0	20.77	20.80	20.88	21.07	0-2	2
		1	12	20.88	20.78	20.84	21.06	0-2	2
		1	24	20.80	20.85	20.98	21.22	0-2	2
		12	0	20.04	20.05	20.17	20.46	0-3	3
		12	6	20.07	20.17	20.23	20.48	0-3	3
		12	11	20.11	20.17	20.19	20.50	0-3	3
		25	0	20.17	20.25	20.18	20.54	0-3	3
	256QAM	1	0	18.00	18.01	18.10	18.33	0-5	5
		1	12	18.02	17.95	18.10	18.28	0-5	5
		1	24	17.96	18.11	17.93	18.35	0-5	5
		12	0	18.24	18.30	18.30	18.71	0-5	5
		12	6	18.28	18.34	18.45	18.60	0-5	5
		12	11	18.22	18.36	18.30	18.62	0-5	5
		25	0	18.21	18.25	18.23	18.45	0-5	5

LTE TDD Band 42_10 MHz Bandwidth Conducted Power

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]				MPR Allowed Per GPP [dB]	MPR [dB]
				41640 Ch.	42140 Ch.	42590 Ch.	43040 Ch.		
				3405 MHz	3455 MHz	3500 MHz	3545 MHz		
10 MHz	QPSK	1	0	23.10	23.27	23.38	23.41	0	0
		1	24	23.16	23.12	23.34	23.33	0	0
		1	49	23.09	23.17	23.34	23.43	0	0
		25	0	22.24	22.26	22.57	22.54	0-1	1
		25	12	22.40	22.40	22.41	22.41	0-1	1
		25	24	22.29	22.27	22.35	22.38	0-1	1
		50	0	22.45	22.31	22.48	22.51	0-1	1
	16QAM	1	0	22.43	22.46	22.62	22.50	0-1	1
		1	24	22.48	22.52	22.71	22.51	0-1	1
		1	49	22.39	22.36	22.41	22.59	0-1	1
		25	0	21.42	21.33	21.48	21.51	0-2	2
		25	12	21.44	21.49	21.38	21.47	0-2	2
		25	24	21.52	21.31	21.31	21.53	0-2	2
		50	0	21.35	21.37	21.38	21.49	0-2	2
	64QAM	1	0	21.04	21.08	21.28	21.20	0-2	2
		1	24	20.96	20.85	21.17	21.14	0-2	2
		1	49	21.06	21.00	21.10	21.12	0-2	2
		25	0	20.37	20.37	20.55	20.60	0-3	3
		25	12	20.39	20.35	20.42	20.67	0-3	3
		25	24	20.33	20.33	20.44	20.37	0-3	3
		50	0	20.50	20.46	20.44	20.63	0-3	3
	256QAM	1	0	18.24	18.17	18.25	18.34	0-5	5
		1	24	18.15	18.24	18.39	18.25	0-5	5
		1	49	18.22	18.15	18.30	18.36	0-5	5
		25	0	18.46	18.36	18.67	18.58	0-5	5
		25	12	18.49	18.41	18.56	18.67	0-5	5
		25	24	18.40	18.49	18.58	18.52	0-5	5
		50	0	18.46	18.40	18.60	18.53	0-5	5

LTE TDD Band 42_15 MHz Bandwidth Conducted Power

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]				MPR Allowed Per GPP [dB]	MPR [dB]
				41665 Ch.	42165 Ch.	42590 Ch.	43015 Ch.		
				3407.5 MHz	3457.5 MHz	3500 MHz	3542.5 MHz		
15 MHz	QPSK	1	0	23.32	23.21	23.36	23.30	0	0
		1	36	23.34	23.30	23.40	23.27	0	0
		1	74	23.43	23.30	23.32	23.32	0	0
		36	0	22.50	22.36	22.55	22.41	0-1	1
		36	18	22.45	22.51	22.46	22.46	0-1	1
		36	39	22.38	22.38	22.56	22.51	0-1	1
		75	0	22.36	22.39	22.40	22.51	0-1	1
	16QAM	1	0	22.51	22.50	22.62	22.47	0-1	1
		1	36	22.57	22.52	22.66	22.46	0-1	1
		1	74	22.56	22.49	22.69	22.77	0-1	1
		36	0	21.49	21.34	21.55	21.55	0-2	2
		36	18	21.53	21.38	21.60	21.37	0-2	2
		36	39	21.40	21.48	21.39	21.43	0-2	2
		75	0	21.45	21.43	21.58	21.48	0-2	2
	64QAM	1	0	21.01	21.10	21.28	21.04	0-2	2
		1	36	21.12	21.14	21.34	21.16	0-2	2
		1	74	21.20	21.07	21.04	21.20	0-2	2
		36	0	20.53	20.57	20.61	20.48	0-3	3
		36	18	20.48	20.54	20.52	20.59	0-3	3
		36	39	20.49	20.53	20.39	20.45	0-3	3
		75	0	20.54	20.47	20.61	20.58	0-3	3
	256QAM	1	0	18.41	18.29	18.43	18.40	0-5	5
		1	36	18.23	18.34	18.49	18.34	0-5	5
		1	74	18.38	18.45	18.39	18.38	0-5	5
		36	0	18.48	18.44	18.76	18.56	0-5	5
		36	18	18.51	18.61	18.71	18.55	0-5	5
		36	39	18.48	18.53	18.64	18.53	0-5	5
		75	0	18.53	18.43	18.57	18.65	0-5	5

LTE TDD Band 42_20 MHz Bandwidth Conducted Power -

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]				MPR Allowed Per GPP [dB]	MPR [dB]
				41690 Ch.	42190 Ch.	42590 Ch.	42990 Ch.		
				3410 MHz	3460 MHz	3500 MHz	3540 MHz		
20 MHz	QPSK	1	0	23.39	23.34	23.44	23.35	0	0
		1	49	23.25	23.42	23.42	23.40	0	0
		1	99	23.27	23.39	23.46	23.37	0	0
		50	0	22.43	22.45	22.58	22.43	0-1	1
		50	25	22.53	22.60	22.51	22.56	0-1	1
		50	49	22.49	22.55	22.49	22.38	0-1	1
		100	0	22.43	22.52	22.54	22.52	0-1	1
	16QAM	1	0	22.51	22.69	22.76	22.51	0-1	1
		1	49	22.52	22.53	22.69	22.54	0-1	1
		1	99	22.72	22.61	22.67	22.56	0-1	1
		50	0	21.68	21.57	21.61	21.43	0-2	2
		50	25	21.58	21.44	21.69	21.45	0-2	2
		50	49	21.44	21.51	21.58	21.55	0-2	2
		100	0	21.48	21.59	21.58	21.64	0-2	2
	64QAM	1	0	21.08	21.08	21.32	21.11	0-2	2
		1	49	21.24	21.14	21.27	21.21	0-2	2
		1	99	21.13	21.08	21.21	21.19	0-2	2
		50	0	20.60	20.52	20.67	20.61	0-3	3
		50	25	20.64	20.62	20.69	20.66	0-3	3
		50	49	20.66	20.66	20.55	20.51	0-3	3
		100	0	20.63	20.57	20.70	20.50	0-3	3
	256QAM	1	0	18.43	18.38	18.63	18.32	0-5	5
		1	49	18.35	18.33	18.57	18.45	0-5	5
		1	99	18.53	18.50	18.33	18.50	0-5	5
		50	0	18.64	18.57	18.84	18.56	0-5	5
		50	25	18.63	18.53	18.71	18.63	0-5	5
		50	49	18.60	18.63	18.63	18.48	0-5	5
		100	0	18.59	18.65	18.57	18.63	0-5	5

11.3.14 LTE FDD Band 66 Maximum Conducted Output Power

LTE FDD 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]
				131979Ch. 1710.7 MHz	132322 Ch. 1745 MHz	132665 Ch. 1779.3 MHz		
1.4 MHz	QPSK	1	0	23.18	23.20	23.18	0	0
		1	3	23.21	23.16	23.25	0	0
		1	5	23.14	23.07	23.21	0	0
		3	0	23.17	23.04	23.25	0	0
		3	1	23.24	23.11	23.11	0	0
		3	3	23.23	23.21	23.08	0	0
		6	0	22.32	22.34	22.09	0-1	1
	16QAM	1	0	22.48	22.50	22.40	0-1	1
		1	3	22.69	22.58	22.40	0-1	1
		1	5	22.64	22.65	22.44	0-1	1
		3	0	22.33	22.15	22.33	0-1	1
		3	1	22.35	22.22	22.35	0-1	1
		3	3	22.32	22.33	22.36	0-1	1
		6	0	21.39	21.38	21.26	0-2	2
	64QAM	1	0	21.45	21.53	21.33	0-2	2
		1	3	21.61	21.59	21.38	0-2	2
		1	5	21.38	21.50	21.31	0-2	2
		3	0	21.38	21.41	21.32	0-2	2
		3	1	21.41	21.38	21.40	0-2	2
		3	3	21.31	21.38	21.45	0-2	2
		6	0	20.37	20.30	20.21	0-3	3
	256QAM	1	0	18.47	18.30	18.38	0-5	5
		1	3	18.53	18.48	18.44	0-5	5
		1	5	18.35	18.45	18.34	0-5	5
		3	0	18.30	18.42	18.47	0-5	5
		3	1	18.54	18.32	18.52	0-5	5
		3	3	18.48	18.41	18.37	0-5	5
		6	0	18.30	18.22	18.27	0-5	5

LTE FDD 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	23.34	23.23	23.21	0	0
		1	7	23.28	23.27	23.19	0	0
		1	14	23.25	23.30	23.17	0	0
		8	0	22.36	22.15	22.26	0-1	1
		8	3	22.33	22.25	22.35	0-1	1
		8	7	22.46	22.35	22.27	0-1	1
		15	0	22.30	22.33	22.27	0-1	1
	16QAM	1	0	22.64	22.42	22.58	0-1	1
		1	7	22.67	22.61	22.64	0-1	1
		1	14	22.72	22.56	22.59	0-1	1
		8	0	21.36	21.36	21.34	0-2	2
		8	3	21.53	21.40	21.28	0-2	2
		8	7	21.39	21.41	21.46	0-2	2
		15	0	21.31	21.44	21.30	0-2	2
	64QAM	1	0	21.55	21.30	21.33	0-2	2
		1	7	21.51	21.52	21.47	0-2	2
		1	14	21.50	21.40	21.57	0-2	2
		8	0	20.35	20.41	20.33	0-3	3
		8	3	20.40	20.30	20.39	0-3	3
		8	7	20.30	20.50	20.29	0-3	3
		15	0	20.54	20.26	20.38	0-3	3
	256QAM	1	0	18.51	18.41	18.41	0-5	5
		1	7	18.37	18.50	18.68	0-5	5
		1	14	18.59	18.49	18.42	0-5	5
		8	0	18.45	18.29	18.25	0-5	5
		8	3	18.48	18.35	18.32	0-5	5
		8	7	18.45	18.38	18.34	0-5	5
		15	0	18.28	18.30	18.34	0-5	5

LTE FDD 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	132322Ch. 1745 MHz	132647 Ch. 1777.5 MHz		
5 MHz	QPSK	1	0	23.13	23.17	23.18	0	0
		1	12	23.17	23.31	23.22	0	0
		1	24	23.17	23.13	23.26	0	0
		12	0	22.27	22.25	22.35	0-1	1
		12	6	22.33	22.37	22.34	0-1	1
		12	11	22.46	22.35	22.43	0-1	1
		25	0	22.31	22.33	22.34	0-1	1
	16QAM	1	0	22.69	22.45	22.53	0-1	1
		1	12	22.69	22.56	22.61	0-1	1
		1	24	22.65	22.52	22.45	0-1	1
		12	0	21.50	21.18	21.43	0-2	2
		12	6	21.39	21.42	21.45	0-2	2
		12	11	21.45	21.38	21.42	0-2	2
		25	0	21.37	21.25	21.26	0-2	2
	64QAM	1	0	21.53	21.44	21.58	0-2	2
		1	12	21.54	21.54	21.55	0-2	2
		1	24	21.61	21.48	21.46	0-2	2
		12	0	20.46	20.45	20.22	0-3	3
		12	6	20.37	20.38	20.39	0-3	3
		12	11	20.49	20.49	20.25	0-3	3
		25	0	20.33	20.31	20.20	0-3	3
	256QAM	1	0	18.50	18.31	18.27	0-5	5
		1	12	18.33	18.36	18.36	0-5	5
		1	24	18.51	18.32	18.52	0-5	5
		12	0	18.40	18.35	18.37	0-5	5
		12	6	18.47	18.40	18.38	0-5	5
		12	11	18.32	18.32	18.33	0-5	5
		25	0	18.27	18.33	18.44	0-5	5

LTE FDD 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	23.17	23.28	23.07	0	0
		1	24	23.22	23.30	22.88	0	0
		1	49	23.34	23.22	23.02	0	0
		25	0	22.39	22.25	22.43	0-1	1
		25	12	22.46	22.27	22.35	0-1	1
		25	24	22.37	22.27	22.19	0-1	1
		50	0	22.35	22.30	22.40	0-1	1
	16QAM	1	0	22.55	22.63	22.52	0-1	1
		1	24	22.70	22.64	22.70	0-1	1
		1	49	22.86	22.69	22.52	0-1	1
		25	0	21.33	21.08	21.25	0-2	2
		25	12	21.39	21.46	21.22	0-2	2
		25	24	21.46	21.25	21.35	0-2	2
		50	0	21.34	21.33	21.37	0-2	2
	64QAM	1	0	21.38	21.37	21.31	0-2	2
		1	24	21.61	21.57	21.56	0-2	2
		1	49	21.65	21.51	21.74	0-2	2
		25	0	20.32	20.17	20.27	0-3	3
		25	12	20.53	20.30	20.32	0-3	3
		25	24	20.36	20.38	20.43	0-3	3
		50	0	20.45	20.40	20.45	0-3	3
	256QAM	1	0	18.37	18.31	18.30	0-5	5
		1	24	18.21	18.31	18.51	0-5	5
		1	49	18.65	18.53	18.40	0-5	5
		25	0	18.36	18.21	18.31	0-5	5
		25	12	18.40	18.33	18.51	0-5	5
		25	24	18.31	18.41	18.44	0-5	5
		50	0	18.33	18.36	18.29	0-5	5

LTE FDD 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	23.30	23.18	23.31	0	0
		1	36	23.27	23.23	23.40	0	0
		1	74	23.27	23.18	23.20	0	0
		36	0	22.40	22.36	22.28	0-1	1
		36	18	22.58	22.45	22.32	0-1	1
		36	39	22.59	22.51	22.45	0-1	1
		75	0	22.45	22.49	22.25	0-1	1
	16QAM	1	0	22.52	22.43	22.44	0-1	1
		1	36	22.84	22.55	22.60	0-1	1
		1	74	22.72	22.69	22.77	0-1	1
		36	0	21.48	21.41	21.43	0-2	2
		36	18	21.57	21.47	21.43	0-2	2
		36	39	21.63	21.59	21.34	0-2	2
		75	0	21.42	21.45	21.28	0-2	2
	64QAM	1	0	21.61	21.38	21.53	0-2	2
		1	36	21.47	21.72	21.58	0-2	2
		1	74	21.70	21.72	21.51	0-2	2
		36	0	20.33	20.47	20.25	0-3	3
		36	18	20.60	20.45	20.34	0-3	3
		36	39	20.49	20.43	20.42	0-3	3
		75	0	20.37	20.58	20.36	0-3	3
	256QAM	1	0	18.55	18.38	18.34	0-5	5
		1	36	18.60	18.41	18.33	0-5	5
		1	74	18.66	18.47	18.48	0-5	5
		36	0	18.41	18.36	18.32	0-5	5
		36	18	18.48	18.52	18.36	0-5	5
		36	39	18.41	18.37	18.42	0-5	5
		75	0	18.56	18.45	18.46	0-5	5

LTE FDD 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	23.22	23.40	23.28	0	0
		1	49	23.26	23.39	23.18	0	0
		1	99	23.33	23.35	23.23	0	0
		50	0	22.63	22.43	22.43	0-1	1
		50	25	22.57	22.53	22.35	0-1	1
		50	49	22.48	22.57	22.39	0-1	1
		100	0	22.59	22.60	22.44	0-1	1
	16QAM	1	0	22.73	22.75	22.72	0-1	1
		1	49	22.82	22.54	22.58	0-1	1
		1	99	22.85	22.89	22.72	0-1	1
		50	0	21.44	21.28	21.33	0-2	2
		50	25	21.56	21.58	21.41	0-2	2
		50	49	21.61	21.56	21.36	0-2	2
		100	0	21.52	21.45	21.43	0-2	2
	64QAM	1	0	21.55	21.52	21.58	0-2	2
		1	49	21.47	21.59	21.55	0-2	2
		1	99	21.66	21.68	21.61	0-2	2
		50	0	20.44	20.40	20.37	0-3	3
		50	25	20.54	20.41	20.47	0-3	3
		50	49	20.60	20.44	20.52	0-3	3
		100	0	20.68	20.50	20.38	0-3	3
	256QAM	1	0	18.54	18.49	18.51	0-5	5
		1	49	18.61	18.61	18.58	0-5	5
		1	99	18.61	18.69	18.53	0-5	5
		50	0	18.60	18.38	18.47	0-5	5
		50	25	18.58	18.47	18.48	0-5	5
		50	49	18.54	18.52	18.45	0-5	5
		100	0	18.57	18.50	18.49	0-5	5

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

11.4 NR Maximum Output Power

11.4.1 NR FDD Band n2 Maximum Conducted Power

NR FDD Band n2_5 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						370500	376000	381500	
						1 852.5 MHz	1 880 MHz	1 907.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.46	23.56	23.58	0
				1	13	23.47	23.63	23.65	0
				1	23	23.53	23.59	23.73	0
				12	0	22.98	23.04	23.11	0.5
				12	7	23.52	23.63	23.59	0
				12	13	23.02	23.12	23.13	0.5
			QPSK	25	0	23.00	23.11	23.13	0.5
				1	1	23.43	23.56	23.61	0
				1	13	23.43	23.63	23.61	0
				1	23	23.65	23.60	23.71	0
				12	0	22.56	22.63	22.59	1
				12	7	23.52	23.58	23.63	0
				12	13	22.56	22.70	22.63	1
				25	0	22.53	22.59	22.61	1
			16QAM	1	1	22.53	22.46	22.57	1
			64QAM	1	1	21.04	21.03	21.12	2.5
			256QAM	1	1	19.06	19.12	19.07	4.5
		CP	QPSK	1	1	22.08	22.04	22.01	1.5

NR FDD Band n2_10 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						371000	376000	381000	
						1 855 MHz	1 880 MHz	1 905 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.66	23.70	23.36	0
				1	26	23.69	23.69	23.73	0
				1	50	23.68	23.65	23.30	0
				25	0	23.13	23.22	23.17	0.5
				25	14	23.64	23.69	23.69	0
				25	27	23.12	23.21	23.27	0.5
			QPSK	50	0	23.13	23.23	23.24	0.5
				1	1	23.66	23.67	23.69	0
				1	26	23.63	23.77	23.71	0
				1	50	23.58	23.69	23.79	0
				25	0	22.64	22.67	22.67	1
				25	14	23.68	23.75	23.72	0
				25	27	22.72	22.73	22.71	1
				50	0	22.69	22.73	22.69	1
			16QAM	1	1	22.65	22.67	22.71	1
			64QAM	1	1	21.11	21.10	21.20	2.5
			256QAM	1	1	19.16	19.38	19.13	4.5
		CP	QPSK	1	1	22.04	22.21	22.08	1.5

NR FDD Band n2_15 Mhz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						371500	376000	380500	
						1 857.5 MHz	1 880 MHz	1 902.5 MHz	
15 Mhz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.67	23.80	23.81	0
				1	40	23.78	23.81	23.80	0
				1	77	23.80	23.80	23.79	0
				36	0	22.81	23.30	23.06	0.5
				36	22	23.84	23.84	23.74	0
				36	43	23.37	23.32	23.24	0.5
				75	0	23.37	23.29	23.27	0.5
			QPSK	1	1	23.73	23.79	23.75	0
				1	40	23.79	23.81	23.72	0
				1	77	23.79	23.74	23.77	0
				36	0	22.84	22.78	22.81	1
				36	22	23.84	23.82	23.81	0
				36	43	22.84	22.83	22.81	1
				75	0	22.82	22.83	22.81	1
			16QAM	1	1	22.71	22.79	22.76	1
			64QAM	1	1	21.30	21.26	21.21	2.5
			256QAM	1	1	19.17	19.20	19.21	4.5
		CP	QPSK	1	1	22.28	22.24	22.23	1.5

NR FDD Band n2_20 Mhz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						372000	376000	380000	
						1 860 MHz	1 880 MHz	1 900 MHz	
20 Mhz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.72	23.88	23.75	0
				1	53	23.85	23.79	23.80	0
				1	104	23.86	23.72	23.75	0
				50	0	23.34	23.31	23.21	0.5
				50	28	23.83	23.83	23.89	0
				50	56	23.38	23.34	23.36	0.5
				100	0	23.36	23.31	23.32	0.5
			QPSK	1	1	23.72	23.79	23.78	0
				1	53	23.85	23.87	23.85	0
				1	104	23.94	23.74	23.55	0
				50	0	22.87	22.82	22.77	1
				50	28	23.91	23.87	23.87	0
				50	56	22.86	22.86	22.89	1
				100	0	22.86	22.87	22.82	1
			16QAM	1	1	22.74	22.86	22.81	1
			64QAM	1	1	21.19	21.33	21.29	2.5
			256QAM	1	1	19.28	19.28	19.28	4.5
		CP	QPSK	1	1	22.31	22.31	22.37	1.5

11.4.2 NR FDD Band n5 Conducted Power

NR FDD Band n5_5 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						165300	167300	169300	
						826.5 MHz	836.5 MHz	846.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.21	23.25	23.22	0
				1	13	23.25	23.18	23.10	0
				1	23	23.13	23.16	23.07	0
				12	0	22.64	22.82	22.63	0.5
				12	7	23.25	23.21	23.13	0
				12	13	22.65	22.68	22.52	0.5
				25	0	22.75	22.73	22.60	0.5
			QPSK	1	1	23.25	23.13	23.13	0
				1	13	23.20	23.19	23.08	0
				1	23	23.13	23.17	23.19	0
				12	0	22.21	22.29	22.19	1
				12	7	23.25	23.21	23.15	0
				12	13	22.19	22.18	22.05	1
				25	0	22.24	22.25	22.09	1
			16QAM	1	1	22.13	22.21	22.09	1
			64QAM	1	1	20.74	20.71	20.66	2.5
			256QAM	1	1	18.73	18.75	18.72	4.5
		CP	QPSK	1	1	21.67	21.78	21.60	1.5

NR FDD Band n5_10 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]		MPR [dB]
						167300		
						836.5 MHz		
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.19		0
				1	26	23.22		0
				1	50	23.23		0
				25	0	22.73		0.5
				25	14	23.25		0
				25	27	22.64		0.5
				50	0	22.75		0.5
			QPSK	1	1	23.22		0
				1	26	23.23		0
				1	50	23.39		0
				25	0	22.25		1
				25	14	23.27		0
				25	27	22.23		1
				50	0	22.30		1
			16QAM	1	1	22.22		1
			64QAM	1	1	20.78		2.5
			256QAM	1	1	18.65		4.5
		CP	QPSK	1	1	21.85		1.5

NR FDD Band n5_15 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]	MPR [dB]
						167300	
						836.5 MHz	
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.28	0
				1	40	23.31	0
				1	77	23.24	0
				36	0	22.88	0.5
				36	22	23.30	0
				36	43	22.77	0.5
			QPSK	75	0	22.78	0.5
				1	1	23.25	0
				1	40	23.35	0
				1	77	23.32	0
				36	0	22.36	1
				36	22	23.29	0
				36	43	22.27	1
				75	0	22.29	1
			16QAM	1	1	22.23	1
			64QAM	1	1	20.77	2.5
			256QAM	1	1	18.80	4.5
		CP	QPSK	1	1	21.77	1.5

NR FDD Band n5_ 20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]	MPR [dB]
						167300	
						836.5 MHz	
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.28	0
				1	53	23.30	0
				1	104	23.19	0
				50	0	22.85	0.5
				50	28	23.31	0
				50	56	22.72	0.5
				100	0	22.73	0.5
			QPSK	1	1	23.26	0
				1	53	23.27	0
				1	104	23.16	0
				50	0	22.36	1
				50	28	23.26	0
				50	56	22.24	1
				100	0	22.31	1
			16QAM	1	1	22.28	1
			64QAM	1	1	20.83	2.5
			256QAM	1	1	18.85	4.5
		CP	QPSK	1	1	21.84	1.5

11.4.3 NR FDD Band n7 Conducted Power

NR FDD Band n7 _ 5 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						500500	507000	513500	
						2 502.5 MHz	2 535 MHz	2 567.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.28	23.40	23.40	0
				1	13	23.26	23.37	23.43	0
				1	23	23.30	23.33	23.45	0
				12	0	22.85	22.89	22.99	0.5
				12	7	23.33	23.39	23.38	0
				12	13	22.87	22.93	22.95	0.5
				25	0	22.84	22.91	22.95	0.5
			QPSK	1	1	23.31	23.38	23.45	0
				1	13	23.25	23.37	23.31	0
				1	23	23.25	23.28	23.36	0
				12	0	22.41	22.50	22.53	1
				12	7	23.29	23.41	23.46	0
				12	13	22.36	22.45	22.47	1
				25	0	22.37	22.46	22.46	1
			16QAM	1	1	22.48	22.37	22.43	1
			64QAM	1	1	20.80	20.97	20.82	2.5
			256QAM	1	1	18.93	18.97	18.92	4.5
		CP	QPSK	1	1	22.01	21.90	21.74	1.5

NR FDD Band n7 _ 10 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						501000	507000	513000	
						2 505 MHz	2 535 MHz	2 565 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.32	23.43	23.44	0
				1	26	23.36	23.46	23.50	0
				1	50	23.41	23.45	23.45	0
				25	0	22.89	22.97	23.00	0.5
				25	14	23.37	23.50	23.50	0
				25	27	22.97	23.00	23.01	0.5
				50	0	22.90	22.93	23.01	0.5
			QPSK	1	1	23.37	23.39	23.40	0
				1	26	23.30	23.38	23.44	0
				1	50	23.55	23.45	23.39	0
				25	0	22.41	22.42	22.52	1
				25	14	23.40	23.47	23.53	0
				25	27	22.50	22.46	22.50	1
				50	0	22.33	22.46	22.50	1
			16QAM	1	1	22.47	22.38	22.45	1
			64QAM	1	1	20.97	21.02	21.01	2.5
			256QAM	1	1	18.97	18.99	18.99	4.5
		CP	QPSK	1	1	21.87	21.94	21.92	1.5

NR FDD Band n7 _ 15 Mhz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						501500	507000	512500	
						2 507.5 MHz	2 535 MHz	2 562.5 MHz	
15 Mhz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.50	23.54	23.61	0
				1	40	23.56	23.53	23.53	0
				1	77	23.64	23.51	23.55	0
				36	0	23.05	23.01	23.09	0.5
				36	22	23.61	23.54	23.58	0
				36	43	23.07	23.02	23.06	0.5
				75	0	23.04	23.03	23.04	0.5
			QPSK	1	1	23.55	23.46	23.52	0
				1	40	23.46	23.47	23.61	0
				1	77	23.63	23.46	23.46	0
				36	0	22.52	22.56	22.58	1
				36	22	23.58	23.54	23.56	0
				36	43	22.55	22.55	22.57	1
				75	0	22.54	22.56	22.55	1
			16QAM	1	1	22.58	22.60	22.44	1
			64QAM	1	1	21.05	21.03	21.07	2.5
			256QAM	1	1	19.06	18.99	19.03	4.5
		CP	QPSK	1	1	22.13	21.94	22.05	1.5

NR FDD Band n7 _ 20 Mhz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						502000	507000	512000	
						2 510 MHz	2 535 MHz	2 560 MHz	
20 Mhz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.53	23.54	23.47	0
				1	53	23.54	23.48	23.57	0
				1	104	23.67	23.47	23.50	0
				50	0	23.05	23.04	23.01	0.5
				50	28	23.57	23.61	23.54	0
				50	56	23.16	23.06	23.08	0.5
				100	0	23.00	23.00	23.08	0.5
			QPSK	1	1	23.52	23.54	23.44	0
				1	53	23.50	23.48	23.59	0
				1	104	23.65	23.50	23.51	0
				50	0	22.59	22.52	22.56	1
				50	28	23.59	23.57	23.57	0
				50	56	22.67	22.55	22.57	1
				100	0	22.58	22.54	22.58	1
			16QAM	1	1	22.54	22.56	22.35	1
			64QAM	1	1	21.02	21.00	20.96	2.5
			256QAM	1	1	19.12	18.99	19.02	4.5
		CP	QPSK	1	1	22.10	22.04	22.26	1.5

NR FDD Band n7 _ 25 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						502500		511500	
						2 512.5 MHz		2 557.5 MHz	
25 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.58		23.67	0
				1	67	23.63		23.71	0
				1	131	23.65		23.77	0
				64	0	23.18		23.19	0.5
				64	35	23.60		23.75	0
				64	39	23.15		23.21	0.5
				128	0	23.13		23.17	0.5
			QPSK	1	1	23.54		23.68	0
				1	67	23.61		23.69	0
				1	131	23.68		23.67	0
				64	0	22.70		22.71	1
				64	35	23.68		23.74	0
				64	69	22.60		22.69	1
				128	0	22.66		22.70	1
			16QAM	1	1	22.53		22.64	1
			64QAM	1	1	21.12		21.16	2.5
			256QAM	1	1	19.18		19.27	4.5
		CP	QPSK	1	1	22.03		22.15	1.5

NR FDD Band n7 _ 30 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						503000		511000	
						2 515 MHz		2 555 MHz	
30 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.56		23.61	0
				1	80	23.66		23.75	0
				1	158	23.65		23.82	0
				80	0	23.18		23.25	0.5
				80	40	23.60		23.73	0
				80	80	23.17		23.29	0.5
				160	0	23.13		23.25	0.5
			QPSK	1	1	23.52		23.55	0
				1	80	23.68		23.72	0
				1	158	23.66		23.70	0
				80	0	22.70		22.76	1
				80	40	23.69		23.75	0
				80	80	22.65		22.80	1
				160	0	22.67		22.74	1
			16QAM	1	1	22.48		22.60	1
			64QAM	1	1	21.01		21.04	2.5
			256QAM	1	1	19.03		19.23	4.5
		CP	QPSK	1	1	22.14		22.06	1.5

NR FDD Band n7 _ 40 Mhz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]		MPR [dB]
							507000 2 535 Mhz	
40 Mhz	15	DFT-s OFDM	pi/2 BPSK	1	1		23.55	0
				1	108		23.63	0
				1	214		23.70	0
				108	0		23.25	0.5
				108	54		23.68	0
				108	108		23.18	0.5
			QPSK	216	0		23.20	0.5
				1	1		23.59	0
				1	108		23.61	0
				1	214		23.74	0
				108	0		22.74	1
				108	54		23.68	0
				108	108		22.69	1
				216	0		22.70	1
			16QAM	1	1		22.45	1
			64QAM	1	1		21.12	2.5
			256QAM	1	1		19.28	4.5
		CP	QPSK	1	1		22.00	1.5

11.4.4 NR FDD Band n12 Conducted Power

NR FDD Band n12_ 5 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						140300	141500	142700	
						701.5 MHz	707.5 MHz	713.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.26	23.27	23.26	0
				1	13	23.17	23.30	23.24	0
				1	23	23.26	23.24	23.21	0
				12	0	22.79	22.82	22.79	0.5
				12	7	23.15	23.28	23.24	0
				12	13	22.65	22.69	22.74	0.5
				25	0	22.67	22.78	22.79	0.5
			QPSK	1	1	23.27	23.33	23.25	0
				1	13	23.19	23.27	23.16	0
				1	23	23.27	23.32	23.11	0
				12	0	22.27	22.36	22.33	1
				12	7	23.22	23.30	23.24	0
				12	13	22.17	22.24	22.20	1
				25	0	22.19	22.32	22.25	1
			16QAM	1	1	22.23	22.20	22.27	1
			64QAM	1	1	20.84	20.77	20.81	2.5
			256QAM	1	1	18.73	18.89	18.74	4.5
		CP	QPSK	1	1	21.88	21.68	21.78	1.5

NR FDD Band n12_ 10 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]		MPR [dB]
						141500		
						707.5 MHz		
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.15		0
				1	26	23.24		0
				1	50	23.26		0
				25	0	22.77		0.5
				25	14	23.33		0
				25	27	22.77		0.5
				50	0	22.85		0.5
			QPSK	1	1	23.17		0
				1	26	23.25		0
				1	50	23.29		0
				25	0	22.28		1
				25	14	23.28		0
				25	27	22.21		1
				50	0	22.32		1
			16QAM	1	1	22.14		1
			64QAM	1	1	20.59		2.5
			256QAM	1	1	18.74		4.5
		CP	OPSK	1	1	21.61		1.5

NR FDD Band n12_ 15 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]	MPR [dB]
						141500	
						707.5 MHz	
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.28	0
				1	40	23.33	0
				1	77	23.31	0
				36	0	22.79	0.5
				36	22	23.36	0
				36	43	22.77	0.5
				75	0	22.84	0.5
			QPSK	1	1	23.28	0
				1	40	23.32	0
				1	77	23.28	0
				36	0	22.34	1
				36	22	23.37	0
				36	43	22.29	1
				75	0	22.38	1
			16QAM	1	1	22.21	1
			64QAM	1	1	20.79	2.5
			256QAM	1	1	18.87	4.5
		CP	QPSK	1	1	21.77	1.5

11.4.5. NR FDD Band n13 Conducted Power

NR FDD Band n13_5 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						155900	156400	156900	
						779.5 MHz	782 MHz	784.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.29	23.22	23.25	0
				1	13	23.23	23.29	23.29	0
				1	23	23.33	23.28	23.21	0
				12	0	22.87	22.89	22.80	0.5
				12	7	23.30	23.36	23.24	0
				12	13	22.89	22.82	22.82	0.5
				25	0	22.82	22.83	22.80	0.5
			QPSK	1	1	23.20	23.14	23.17	0
				1	13	23.16	23.20	23.11	0
				1	23	23.31	23.24	23.21	0
				12	0	22.34	22.35	22.29	1
				12	7	23.29	23.36	23.29	0
				12	13	22.38	22.34	22.27	1
				25	0	22.31	22.36	22.30	1
			16QAM	1	1	22.33	22.14	22.27	1
			64QAM	1	1	20.84	20.71	20.80	2.5
			256QAM	1	1	18.76	18.87	18.86	4.5
		CP	QPSK	1	1	21.57	21.68	21.74	1.5

NR FDD Band n13_10 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]	MPR [dB]
						156400	
						782 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.25	0
				1	26	23.32	0
				1	50	23.22	0
				25	0	22.77	0.5
				25	14	23.37	0
				25	27	22.84	0.5
				50	0	22.84	0.5
			QPSK	1	1	23.23	0
				1	26	23.24	0
				1	50	23.15	0
				25	0	22.28	1
				25	14	23.34	0
				25	27	22.31	1
				50	0	22.36	1
			16QAM	1	1	22.26	1
			64QAM	1	1	20.75	2.5
			256QAM	1	1	18.75	4.5
		CP	OPSK	1	1	21.84	1.5

11.4.6. NR FDD Band n14 Conducted Power

NR FDD Band n14_ 5 MHz Bandwidth Conducted Power

Bandwidth h	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]	MPR [dB]
						158600	
						793 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.13	0
				1	26	23.26	0
				1	50	23.12	0
				25	0	22.70	0.5
				25	14	23.21	0
				25	27	22.65	0.5
			QPSK	50	0	22.70	0.5
				1	1	23.16	0
				1	26	23.23	0
				1	50	23.09	0
				25	0	22.25	1
				25	14	23.22	0
				25	27	22.17	1
				50	0	22.13	1
			16QAM	1	1	22.16	1
			64QAM	1	1	20.70	2.5
			256QAM	1	1	18.52	4.5
		CP	QPSK	1	1	21.48	1.5

NR FDD Band n14_ 10 MHz Bandwidth Conducted Power

Bandwidth h	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]	MPR [dB]
						158600	
						793 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.21	0
				1	26	23.18	0
				1	50	23.24	0
				25	0	22.55	0.5
				25	14	23.16	0
				25	27	22.65	0.5
			QPSK	50	0	22.66	0.5
				1	1	23.15	0
				1	26	23.19	0
				1	50	23.17	0
				25	0	22.11	1
				25	14	23.18	0
				25	27	22.16	1
				50	0	22.22	1
			16QAM	1	1	22.07	1
			64QAM	1	1	20.60	2.5
			256QAM	1	1	18.61	4.5
		CP	QPSK	1	1	21.82	1.5

11.4.7 NR FDD Band n25 Conducted Power

NR FDD Band n25 _ 5 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						370500	376500	382500	
						1 852.5 MHz	1 882.5 MHz	1 912.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.66	23.63	23.57	0
				1	13	23.75	23.74	23.75	0
				1	23	23.68	23.73	23.70	0
				12	0	23.14	23.15	23.07	0.5
				12	7	23.73	23.71	23.68	0
				12	13	23.26	23.26	23.22	0.5
				25	0	23.20	23.17	23.20	0.5
			QPSK	1	1	23.63	23.66	23.62	0
				1	13	23.75	23.69	23.68	0
				1	23	23.67	23.65	23.72	0
				12	0	22.62	22.68	22.55	1
				12	7	23.71	23.74	23.72	0
				12	13	22.72	22.75	22.72	1
				25	0	22.69	22.66	22.71	1
			16QAM	1	1	22.63	22.57	22.52	1
			64QAM	1	1	21.08	21.18	21.03	2.5
			256QAM	1	1	19.13	19.13	19.05	4.5
		CP	QPSK	1	1	22.12	22.17	22.05	1.5

NR FDD Band n25 _ 10 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						371000	376500	382000	
						1 855 MHz	1 882.5 MHz	1 910 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.73	23.69	23.61	0
				1	26	23.70	23.70	23.65	0
				1	50	23.67	23.63	23.72	0
				25	0	23.18	23.21	23.13	0.5
				25	14	23.69	23.66	23.64	0
				25	27	23.17	23.18	23.28	0.5
				50	0	23.19	23.23	23.18	0.5
			QPSK	1	1	23.65	23.63	23.59	0
				1	26	23.72	23.65	23.64	0
				1	50	23.65	23.61	23.71	0
				25	0	22.69	22.71	22.67	1
				25	14	23.68	23.71	23.65	0
				25	27	22.69	22.69	22.76	1
				50	0	22.71	22.73	22.66	1
			16QAM	1	1	22.70	22.64	22.59	1
			64QAM	1	1	21.23	21.19	21.18	2.5
			256QAM	1	1	19.20	19.11	19.20	4.5
		CP	QPSK	1	1	22.34	22.20	22.21	1.5

NR FDD Band n25 _ 15 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						371500	376500	381500	
						1 857.5 MHz	1 882.5 MHz	1 907.5 MHz	
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.77	23.78	23.74	0
				1	40	23.81	23.75	23.69	0
				1	77	23.80	23.76	23.67	0
				36	0	23.33	23.31	23.28	0.5
				36	22	23.88	23.76	23.74	0
				36	43	23.29	23.2	23.19	0.5
				75	0	23.37	23.25	23.22	0.5
			QPSK	1	1	23.71	23.68	23.76	0
				1	40	23.74	23.69	23.64	0
				1	77	23.82	23.62	23.71	0
				36	0	22.91	22.80	22.81	1
				36	22	23.83	23.76	23.76	0
				36	43	22.80	22.72	22.69	1
				75	0	22.83	22.77	22.75	1
			16QAM	1	1	22.72	22.68	22.65	1
			64QAM	1	1	21.19	21.19	21.21	2.5
			256QAM	1	1	19.23	19.21	19.25	4.5
		CP	QPSK	1	1	22.34	22.41	22.21	1.5

NR FDD Band n25 _ 20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						372000	376500	381000	
						1 860 MHz	1 882.5 MHz	1 905 MHz	
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.76	23.85	23.73	0
				1	53	23.74	23.82	23.71	0
				1	104	23.83	23.63	23.59	0
				50	0	23.32	23.31	23.25	0.5
				50	28	23.79	23.73	23.74	0
				50	56	23.28	23.22	23.17	0.5
				100	0	23.33	23.22	23.25	0.5
			QPSK	1	1	23.72	23.72	23.68	0
				1	53	23.75	23.69	23.71	0
				1	104	23.75	23.56	23.55	0
				50	0	22.85	22.83	22.78	1
				50	28	23.82	23.78	23.74	0
				50	56	22.77	22.72	22.69	1
				100	0	22.81	22.75	22.74	1
			16QAM	1	1	22.82	22.65	22.59	1
			64QAM	1	1	21.35	21.33	21.17	2.5
			256QAM	1	1	19.20	19.34	19.21	4.5
		CP	QPSK	1	1	22.18	22.31	22.15	1.5

NR FDD Band n25 _ 25 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						372500		380500	
						1 862.5 MHz		1 902.5 MHz	
25 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.93		24.05	0
				1	66	23.77		23.79	0
				1	131	23.90		23.96	0
				64	0	23.31		23.37	0.5
				64	35	23.80		23.81	0
				64	69	23.33		23.31	0.5
				128	0	23.35		23.31	0.5
			QPSK	1	1	23.95		24.05	0
				1	66	23.76		23.70	0
				1	131	23.94		23.95	0
				64	0	22.77		22.88	1
				64	35	23.84		23.79	0
				64	69	22.92		22.82	1
				128	0	22.87		22.88	1
			16QAM	1	1	22.98		22.97	1
			64QAM	1	1	21.53		21.42	2.5
			256QAM	1	1	19.44		19.55	4.5
		CP	QPSK	1	1	22.50		22.38	1.5

NR FDD Band n25 _ 30 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						373000		380000	
						1 865 MHz		1 900 MHz	
30 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	24.02		23.98	0
				1	80	23.84		23.82	0
				1	158	24.05		24.05	0
				80	0	23.32		23.40	0.5
				80	40	23.89		23.82	0
				80	80	23.37		23.43	0.5
				160	0	23.42		23.38	0.5
			QPSK	1	1	23.93		24.00	0
				1	80	23.82		23.78	0
				1	158	24.01		23.97	0
				80	0	22.84		22.93	1
				80	40	23.86		23.83	0
				80	80	22.92		22.92	1
				160	0	22.91		22.94	1
			16QAM	1	1	22.97		23.00	1
			64QAM	1	1	21.47		21.48	2.5
			256QAM	1	1	19.48		19.42	4.5
		CP	QPSK	1	1	22.49		22.57	1.5

NR FDD Band n25 _ 40 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]		MPR [dB]
							376500 1 882.5 MHz	
40 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		23.94	0
				1	108		23.88	0
				1	214		24.01	0
				108	0		23.32	0.5
				108	54		23.83	0
				108	108		23.42	0.5
				216	0		23.31	0.5
			QPSK	1	1		23.96	0
				1	108		23.73	0
				1	214		24.00	0
				108	0		22.86	1
				108	54		23.85	0
				108	108		22.98	1
				216	0		22.87	1
			16QAM	1	1		22.98	1
			64QAM	1	1		21.45	2.5
			256QAM	1	1		19.41	4.5
		CP	QPSK	1	1		22.53	1.5

11.4.8 NR FDD Band n26 Conducted Power

NR FDD Band n26 _ 5 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						163300	166300	169300	
						816.5 MHz	831.5 MHz	846.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.41	23.37	23.32	0
				1	13	23.35	23.50	23.34	0
				1	23	23.30	23.41	23.38	0
				12	0	22.75	23.04	22.91	0.5
				12	7	23.11	23.51	23.36	0
				12	13	22.73	22.95	22.87	0.5
				25	0	22.81	22.94	22.82	0.5
			QPSK	1	1	23.39	23.38	23.34	0
				1	13	23.04	23.32	23.23	0
				1	23	23.08	23.34	23.28	0
				12	0	22.44	22.54	22.38	1
				12	7	23.25	23.48	23.34	0
				12	13	22.28	22.46	22.40	1
				25	0	22.35	22.50	22.27	1
			16QAM	1	1	22.32	22.44	22.34	1
			64QAM	1	1	20.92	20.87	20.82	2.5
			256QAM	1	1	18.99	18.92	18.97	4.5
		CP	QPSK	1	1	22.00	21.78	21.92	1.5

NR FDD Band n26 _ 10 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						163800	166300	168800	
						819 MHz	831.5 MHz	844 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.11	23.26	23.15	0
				1	26	23.19	23.31	23.15	0
				1	50	23.23	23.32	23.16	0
				25	0	22.66	22.76	22.77	0.5
				25	14	23.17	23.31	23.20	0
				25	27	22.57	22.65	22.63	0.5
				50	0	22.66	22.79	22.63	0.5
			QPSK	1	1	23.12	23.18	23.19	0
				1	26	23.16	23.26	23.18	0
				1	50	23.19	23.27	23.08	0
				25	0	22.12	22.28	22.27	1
				25	14	23.20	23.32	23.21	0
				25	27	22.11	22.21	22.12	1
				50	0	22.19	22.31	22.20	1
			16QAM	1	1	22.25	22.20	22.11	1
			64QAM	1	1	20.70	20.84	20.64	2.5
			256QAM	1	1	18.58	18.68	18.66	4.5
		CP	QPSK	1	1	21.68	21.81	21.70	1.5

NR FDD Band n26 _ 15 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						164300		168300	
						821.5 MHz		841.5 MHz	
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.15		23.20	0
				1	40	23.28		23.12	0
				1	77	23.29		23.06	0
				36	0	22.75		22.85	0.5
				36	22	23.26		23.29	0
				36	43	22.84		22.75	0.5
				75	0	22.80		22.76	0.5
			QPSK	1	1	23.15		23.15	0
				1	40	23.18		23.08	0
				1	77	23.37		23.04	0
				36	0	22.28		22.35	1
				36	22	23.27		23.20	0
				36	43	22.38		22.23	1
				75	0	22.33		22.26	1
			16QAM	1	1	22.14		22.08	1
			64QAM	1	1	20.68		20.65	2.5
			256QAM	1	1	18.70		18.84	4.5
		CP	QPSK	1	1	21.75		21.89	1.5

NR FDD Band n26 _ 20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]		MPR [dB]
						166300		
						831.5 MHz		
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.27		0
				1	53	23.31		0
				1	104	23.15		0
				50	0	22.82		0.5
				50	28	23.41		0
				50	56	22.80		0.5
				100	0	22.84		0.5
			QPSK	1	1	23.26		0
				1	53	23.30		0
				1	104	23.13		0
				50	0	22.39		1
				50	28	23.41		0
				50	56	22.27		1
				100	0	22.38		1
			16QAM	1	1	22.22		1
			64QAM	1	1	20.77		2.5
			256QAM	1	1	18.78		4.5
		CP	QPSK	1	1	21.76		1.5

11.4.9 NR TDD Band n38 Conducted Power

NR TDD Band n38 _ 20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						516000	519000	522000	
						2580 MHz	2595 MHz	2610 MHz	
20 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	23.82	23.64	23.75	0
				1	26	23.67	23.51	23.56	0
				1	49	23.84	23.53	23.28	0
				25	0	23.33	23.21	23.18	0.5
				25	13	23.83	23.68	23.62	0
				25	26	23.37	23.12	23.06	0.5
				50	0	23.29	23.16	23.15	0.5
			QPSK	1	1	23.77	23.69	23.69	0
				1	26	23.66	23.57	23.49	0
				1	49	23.83	23.57	23.53	0
				25	0	22.85	22.71	22.69	1
				25	13	23.81	23.66	23.62	0
				25	26	22.87	22.63	22.57	1
				50	0	22.81	22.68	22.65	1
			16QAM	1	1	22.84	22.76	22.78	1
			64QAM	1	1	21.33	21.22	21.29	2.5
			256QAM	1	1	19.39	19.31	19.29	4.5
		CP	QPSK	1	1	22.29	22.21	22.20	1.5

11.4.10 NR TDD Band n41 Conducted Power

NR TDD 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	
						2 506.02 MHz	2 549.49 MHz	2 592.99 MHz	2 636.49 MHz	2 679.99 MHz	
20 MHz	30	DFT-s	pi/2 BPSK	1	1	23.23	23.19	23.49	23.08	23.28	0
				1	26	23.12	23.06	23.39	22.94	23.28	0
				1	49	23.09	23.20	23.40	23.03	23.28	0
				25	0	22.86	22.66	23.00	22.51	22.75	0.5
				25	13	23.31	23.17	23.48	22.98	23.34	0
				25	26	22.75	22.68	22.92	22.51	22.80	0.5
				50	0	22.80	22.67	22.98	22.50	22.85	0.5
			QPSK	1	1	23.26	23.09	23.40	22.97	23.20	0
				1	26	23.17	23.02	23.32	22.87	23.17	0
				1	49	23.18	23.13	23.31	22.95	23.18	0
				25	0	22.34	22.17	22.52	21.99	22.26	1
				25	13	23.28	23.15	23.49	22.99	23.31	0
				25	26	22.24	22.17	22.42	21.99	22.26	1
				50	0	22.31	22.17	22.48	21.99	22.33	1
			16QAM	1	1	22.31	22.21	22.47	22.05	22.32	1
			64QAM	1	1	20.83	20.69	20.99	20.55	20.76	2.5
			256QAM	1	1	18.84	18.70	19.03	18.56	18.76	4.5
		CP	QPSK	1	1	21.74	21.67	21.95	21.54	21.75	1.5

NR TDD Band n41_30 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]
						502200	510402	518598	526800	534996	
						2 511 MHz	2 552.01 MHz	2 592.99 MHz	2 634 MHz	2 674.98 MHz	
30 MHz	30	DFT-s	pi/2 BPSK	1	1	23.58	23.32	23.55	23.43	23.48	0
				1	39	23.36	23.30	23.50	23.19	23.48	0
				1	76	23.32	23.79	23.46	23.42	23.50	0
				36	0	23.01	22.85	23.06	22.87	23.12	0.5
				36	21	23.48	23.35	23.56	23.31	23.59	0
				36	42	22.93	22.90	23.07	22.93	23.09	0.5
				75	0	23.02	22.87	23.11	22.85	23.11	0.5
			QPSK	1	1	23.60	23.32	23.64	23.48	23.55	0
				1	39	23.43	23.29	23.56	23.27	23.55	0
				1	76	23.41	23.56	23.52	23.45	23.53	0
				36	0	22.52	22.35	22.58	22.36	22.61	1
				36	21	23.49	23.34	23.57	23.30	23.58	0
				36	42	22.44	22.40	22.56	22.40	22.56	1
				75	0	22.52	22.38	22.62	22.37	22.61	1
			16QAM	1	1	22.58	22.28	22.66	22.46	22.55	1
			64QAM	1	1	21.12	20.86	21.19	21.00	21.05	2.5
			256QAM	1	1	19.21	18.84	19.21	19.00	19.12	4.5
		CP	QPSK	1	1	22.16	21.82	22.14	21.94	22.05	1.5

NR TDD Band n41_40 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]
						503202	513468		523734	534000	
						2 516.01 MHz	2 567.34 MHz		2 618.67 MHz	2 670 MHz	
40 MHz	30	DFT-s	pi/2 BPSK	1	1	23.51	23.35		23.54	23.42	0
				1	53	23.26	23.35		23.27	23.49	0
				1	104	23.38	23.59		23.32	23.52	0
				50	0	22.86	22.76		22.84	22.90	0.5
				50	28	23.29	23.40		23.33	23.53	0
				50	56	22.87	23.11		22.79	23.06	0.5
				100	0	22.87	22.94		22.88	23.02	0.5
			QPSK	1	1	23.45	23.32		23.47	23.38	0
				1	53	23.17	23.36		23.20	23.38	0
				1	104	23.29	23.64		23.25	23.46	0
				50	0	22.35	22.28		22.33	22.39	1
				50	28	23.30	23.42		23.32	23.51	0
				50	56	22.37	22.59		22.30	22.53	1
				100	0	22.36	22.44		22.39	22.52	1
			16QAM	1	1	22.54	22.30		22.53	22.44	1
			64QAM	1	1	21.04	20.82		21.03	20.95	2.5
			256QAM	1	1	19.09	18.89		19.09	18.89	4.5
		CP	QPSK	1	1	22.03	21.83		22.01	21.88	1.5

NR TDD Band n41_50 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]
						504204		518598		532998	
						2 521.02 MHz		2 592.99 MHz		2 664.99 MHz	
50 MHz	30	DFT-s	pi/2 BPSK	1	1	23.52		23.52		23.36	0
				1	67	23.22		23.46		23.38	0
				1	131	23.21		23.33		23.38	0
				64	0	22.88		23.06		22.84	0.5
				64	35	23.31		23.52		23.40	0
				64	69	22.83		22.97		22.97	0.5
				128	0	22.86		23.01		22.87	0.5
			QPSK	1	1	23.55		23.53		23.31	0
				1	67	23.29		23.48		23.30	0
				1	131	23.27		23.32		23.31	0
				64	0	22.40		22.54		22.38	1
				64	35	23.31		23.49		23.39	0
				64	69	22.34		22.50		22.47	1
				128	0	22.37		22.50		22.38	1
			16QAM	1	1	22.54		22.48		22.34	1
			64QAM	1	1	21.06		21.04		20.84	2.5
			256QAM	1	1	19.12		19.02		18.89	4.5
		CP	QPSK	1	1	22.05		21.98		21.83	1.5

NR TDD Band n41_60 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)				MPR [dB]	
						505200		518598			531996
						2 526 MHz		2 592.99 MHz			2 659.98 MHz
60 MHz	30	DFT-s	pi/2 BPSK	1	1	23.38		23.33		23.08	0
				1	81	23.11		23.47		23.25	0
				1	160	23.42		23.27		23.39	0
				81	0	22.81		22.99		22.73	0.5
				81	41	23.14		23.50		23.27	0
				81	81	22.74		22.96		22.92	0.5
				162	0	22.73		22.99		22.79	0.5
			QPSK	1	1	23.31		23.31		23.01	0
				1	81	23.01		23.43		23.18	0
				1	160	23.32		23.25		23.28	0
				81	0	22.32		22.44		22.24	1
				81	41	23.13		23.52		23.29	0
				81	81	22.25		22.47		22.45	1
				162	0	22.22		22.48		22.27	1
			16QAM	1	1	22.36		22.30		22.05	1
			64QAM	1	1	20.84		20.83		20.59	2.5
			256QAM	1	1	18.92		18.86		18.64	4.5
		CP	QPSK	1	1	21.87		21.83		21.61	1.5

NR TDD Band n41_70 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)				MPR [dB]	
						506208					530994
						2 531.04 MHz					2 654.97 MHz
70 MHz	30	DFT-s	pi/2 BPSK	1	1	23.48				23.12	0
				1	81	23.32				23.14	0
				1	160	23.52				23.39	0
				81	0	22.86				22.59	0.5
				81	41	23.42				23.23	0
				81	81	22.96				22.97	0.5
				162	0	22.86				22.79	0.5
			QPSK	1	1	23.49				23.16	0
				1	81	23.22				23.21	0
				1	160	23.49				22.97	0
				81	0	22.45				22.12	1
				81	41	23.43				23.25	0
				81	81	23.08				22.50	1
				162	0	22.26				22.29	1
			16QAM	1	1	22.54				22.11	1
			64QAM	1	1	21.16				20.68	2.5
			256QAM	1	1	19.09				18.68	4.5
		CP	QPSK	1	1	22.10				21.67	1.5

NR TDD Band n41_80 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)				MPR [dB]	
						507204					529998
						2536.02 MHz					2649.99 MHz
80 MHz	30	DFT-s	pi/2 BPSK	1	1	23.46				23.30	0
				1	109	23.19				23.23	0
				1	215	23.59				23.35	0
				108	0	22.71				22.78	0.5
				108	55	23.21				23.41	0
				108	109	22.85				23.02	0.5
				216	0	22.86				22.91	0.5
			QPSK	1	1	23.41				23.32	0
				1	109	23.10				23.35	0
				1	215	23.51				22.74	0
				108	0	22.25				22.26	1
				108	55	23.23				23.39	0
				108	109	22.35				22.54	1
				216	0	22.32				22.42	1
			16QAM	1	1	22.54				22.32	1
			64QAM	1	1	21.01				20.83	2.5
			256QAM	1	1	19.08				18.85	4.5
		CP	QPSK	1	1	22.00				21.84	1.5

NR TDD Band n41_90 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)				MPR [dB]	
						508200					528996
						2 541 MHz					2 644.98 MHz
90 MHz	30	DFT-s	pi/2 BPSK	1	1	23.64				23.61	0
				1	123	23.30				23.41	0
				1	243	23.69				23.18	0
				120	0	22.89				23.00	0.5
				120	63	23.35				23.51	0
				120	125	23.06				22.84	0.5
				243	0	22.91				23.04	0.5
			QPSK	1	1	23.55				23.59	0
				1	123	23.23				23.47	0
				1	243	23.62				22.43	0
				120	0	22.41				22.49	1
				120	63	23.35				23.53	0
				120	125	22.61				22.49	1
				243	0	22.43				22.62	1
			16QAM	1	1	22.64				22.61	1
			64QAM	1	1	21.18				21.18	2.5
			256QAM	1	1	19.16				19.16	4.5
		CP	QPSK	1	1	22.17				22.13	1.5

NR TDD Band n41 _100 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)				MPR [dB]
								518598		
								2 592.99 MHz		
100 MHz	30	DFT-s	pi/2 BPSK	1	1			23.28		0
				1	137			23.55		0
				1	271			23.37		0
				135	0			23.00		0.5
				135	69			23.52		0
				135	138			22.97		0.5
				270	0			22.97		0.5
			QPSK	1	1			23.22		0
				1	137			23.47		0
				1	271			23.11		0
				135	0			22.57		1
				135	69			23.53		0
				135	138			22.52		1
				270	0			22.48		1
			16QAM	1	1			22.27		1
			64QAM	1	1			20.83		2.5
			256QAM	1	1			18.86		4.5
		CP	QPSK	1	1			21.77		1.5

11.4.11 NR FDD Band n66 Conducted Power

NR FDD Band n66 _5 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						342500	349000	355500	
						1712.5 MHz	1745 MHz	1777.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.60	23.64	23.57	0
				1	13	23.70	23.65	23.71	0
				1	23	23.64	23.66	23.63	0
				12	0	23.17	23.16	23.16	0.5
				12	7	23.68	23.67	23.67	0
				12	13	23.19	23.18	23.19	0.5
				25	0	23.12	23.11	23.17	0.5
			QPSK	1	1	23.67	23.59	23.72	0
				1	13	23.74	23.69	23.72	0
				1	23	23.75	23.60	23.73	0
				12	0	22.64	22.68	22.65	1
				12	7	23.66	23.69	23.66	0
				12	13	22.67	22.67	22.69	1
				25	0	22.65	22.63	22.69	1
			16QAM	1	1	22.80	22.55	22.59	1
			64QAM	1	1	21.18	21.13	21.15	2.5
			256QAM	1	1	19.07	19.10	19.03	4.5
		CP	QPSK	1	1	22.02	22.01	22.17	1.5

NR FDD Band n66 _10 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						343000	349000	355000	
						1715 MHz	1745 MHz	1775 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.66	23.74	23.70	0
				1	26	23.66	23.73	23.70	0
				1	50	23.78	23.69	23.72	0
				25	0	23.13	23.18	23.23	0.5
				25	14	23.68	23.73	23.72	0
				25	27	23.34	23.20	23.27	0.5
				50	0	23.22	23.20	23.25	0.5
			QPSK	1	1	23.66	23.67	23.74	0
				1	26	23.74	23.67	23.68	0
				1	50	23.84	23.72	23.68	0
				25	0	22.69	22.66	22.70	1
				25	14	23.75	23.71	23.78	0
				25	27	22.83	22.73	22.78	1
				50	0	22.71	22.74	22.71	1
			16QAM	1	1	22.63	22.71	22.66	1
			64QAM	1	1	21.24	21.31	21.20	2.5
			256QAM	1	1	19.19	19.24	19.23	4.5
		CP	QPSK	1	1	22.29	22.07	22.24	1.5

NR FDD Band n66 _ 15 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						343500	349000	354500	
						1717.5 MHz	1745 MHz	1772.5 MHz	
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.96	23.89	23.77	0
				1	40	23.87	23.80	23.83	0
				1	77	23.94	23.74	23.74	0
				36	0	23.42	23.35	23.24	0.5
				36	22	23.84	23.75	23.77	0
				36	43	23.35	23.26	23.26	0.5
				75	0	23.32	23.27	23.26	0.5
			QPSK	1	1	23.95	23.81	23.70	0
				1	40	23.84	23.78	23.85	0
				1	77	23.95	23.67	23.72	0
				36	0	22.92	22.84	22.78	1
				36	22	23.87	23.83	23.82	0
				36	43	22.85	22.74	22.81	1
				75	0	22.87	22.80	22.84	1
			16QAM	1	1	22.95	22.88	22.91	1
			64QAM	1	1	21.33	21.43	21.23	2.5
			256QAM	1	1	19.36	19.43	19.23	4.5
		CP	QPSK	1	1	22.49	22.39	22.21	1.5

NR FDD Band n66 _ 20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						344000	349000	354000	
						1720 MHz	1745 MHz	1770 MHz	
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.88	23.88	23.80	0
				1	53	23.86	23.84	23.83	0
				1	104	23.85	23.72	23.76	0
				50	0	23.43	23.32	23.28	0.5
				50	28	23.90	23.83	23.87	0
				50	56	23.41	23.24	23.28	0.5
				100	0	23.40	23.31	23.19	0.5
			QPSK	1	1	23.87	23.78	23.72	0
				1	53	23.96	23.75	23.86	0
				1	104	23.85	23.71	23.75	0
				50	0	22.94	22.90	22.79	1
				50	28	23.91	23.84	23.82	0
				50	56	22.96	22.78	22.80	1
				100	0	22.90	22.82	22.80	1
			16QAM	1	1	22.92	22.86	22.85	1
			64QAM	1	1	21.37	21.30	21.21	2.5
			256QAM	1	1	19.30	19.34	19.37	4.5
		CP	QPSK	1	1	22.58	22.42	22.37	1.5

NR FDD Band n66 _ 40 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]		MPR [dB]
							349000	
							1745 MHz	
40 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		23.86	0
				1	108		23.86	0
				1	214		24.04	0
				108	0		23.51	0.5
				108	54		23.93	0
				108	108		23.60	0.5
				216	0		23.46	0.5
			QPSK	1	1		23.87	0
				1	108		23.80	0
				1	214		24.02	0
				108	0		23.03	1
				108	54		23.94	0
				108	108		23.09	1
				216	0		23.02	1
			16QAM	1	1		22.81	1
			64QAM	1	1		21.26	2.5
			256QAM	1	1		19.52	4.5
		CP	QPSK	1	1		22.45	1.5

11.4.12 NR FDD Band n71 Conducted Power

NR FDD Band n71 _ 5 MHz Bandwidth Conducted Power

Bandwidth h	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						133100	136100	139100	
						665.5 MHz	680.5 MHz	695.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.14	23.26	23.23	0
				1	13	23.12	23.13	23.19	0
				1	23	23.11	23.13	23.06	0
				12	0	22.66	22.67	22.73	0.5
				12	7	23.08	23.15	23.14	0
				12	13	22.59	22.66	22.63	0.5
				25	0	22.62	22.68	22.63	0.5
			QPSK	1	1	23.14	23.15	23.31	0
				1	13	22.97	23.20	23.12	0
				1	23	23.11	23.04	23.17	0
				12	0	22.16	22.18	22.25	1
				12	7	23.11	23.22	23.22	0
				12	13	22.13	22.17	22.10	1
				25	0	22.11	22.23	22.17	1
			16QAM	1	1	22.07	22.18	22.44	1
			64QAM	1	1	20.66	20.76	20.76	2.5
			256QAM	1	1	18.77	18.65	18.74	4.5
		CP	QPSK	1	1	21.59	21.63	21.82	1.5

NR FDD Band n71 _ 10 MHz Bandwidth Conducted Power

Bandwidth h	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						133600	136100	138600	
						668 MHz	680.5 MHz	693 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.16	23.20	23.25	0
				1	26	23.08	23.19	23.23	0
				1	50	23.09	23.22	23.09	0
				25	0	22.55	22.70	22.67	0.5
				25	14	23.10	23.23	23.13	0
				25	27	22.68	22.64	22.68	0.5
				50	0	22.67	22.74	22.64	0.5
			QPSK	1	1	23.16	23.10	23.21	0
				1	26	23.05	23.14	23.07	0
				1	50	23.04	23.13	23.04	0
				25	0	22.10	22.18	22.24	1
				25	14	23.12	23.25	23.11	0
				25	27	22.16	22.20	22.18	1
				50	0	22.15	22.27	22.18	1
			16QAM	1	1	22.11	22.28	22.11	1
			64QAM	1	1	20.71	20.71	20.60	2.5
			256QAM	1	1	18.58	18.67	18.58	4.5
		CP	QPSK	1	1	21.55	21.80	21.72	1.5

NR FDD Band n71 _ 15 MHz Bandwidth Conducted Power

Bandwidth h	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)	MPR [dB]
						136100	
						680.5 MHz	
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.24	0
				1	40	23.25	0
				1	77	23.21	0
				36	0	22.78	0.5
				36	22	23.24	0
				36	43	22.68	0.5
				75	0	22.76	0.5
			QPSK	1	1	23.16	0
				1	40	23.18	0
				1	77	23.24	0
				36	0	22.33	1
				36	22	23.28	0
				36	43	22.15	1
				75	0	22.27	1
			16QAM	1	1	22.25	1
			64QAM	1	1	20.78	2.5
			256QAM	1	1	18.74	4.5
		CP	QPSK	1	1	21.82	1.5

NR FDD Band n71 _ 20 MHz Bandwidth Conducted Power

Bandwidth h	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)	MPR [dB]
						136100	
						680.5 MHz	
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.29	0
				1	53	23.11	0
				1	104	23.18	0
				50	0	22.69	0.5
				50	28	23.24	0
				50	56	22.67	0.5
				100	0	22.67	0.5
			QPSK	1	1	23.12	0
				1	53	23.23	0
				1	104	23.17	0
				50	0	22.27	1
				50	28	23.23	0
				50	56	22.21	1
				100	0	22.22	1
			16QAM	1	1	22.16	1
			64QAM	1	1	20.67	2.5
			256QAM	1	1	18.70	4.5
		CP	QPSK	1	1	21.56	1.5

11.4.12 NR TDD Band n77 Conducted Power

NR TDD 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	
						3 710.01 MHz	3 762 MHz	3 813.99 MHz	3 866.01 MHz	3 918 MHz	3 969.99	
20 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	23.88	23.56	23.45	23.28	23.55	23.32	0
				1	26	23.80	23.44	23.49	23.29	23.53	23.27	0
				1	49	23.81	23.51	23.53	23.47	23.53	23.37	0
				25	0	23.31	22.95	22.98	22.91	23.14	22.85	0.5
				25	13	23.80	23.43	23.47	23.37	23.58	23.35	0
				25	26	23.33	22.97	22.99	22.96	23.10	22.92	0.5
			QPSK	50	0	23.32	22.96	22.98	22.91	23.09	22.89	0.5
				1	1	23.83	23.51	23.40	23.36	23.57	23.35	0
				1	26	23.75	23.34	23.41	23.35	23.56	23.33	0
				1	49	23.75	23.45	23.47	23.49	23.57	23.40	0
				25	0	22.78	22.47	22.50	22.38	22.63	22.35	1
				25	13	23.80	23.43	23.47	23.37	23.59	23.35	0
				25	26	22.83	22.46	22.49	22.44	22.63	22.40	1
				50	0	22.84	22.45	22.47	22.41	22.60	22.38	1
			16QAM	1	1	22.90	22.57	22.43	22.34	22.60	22.38	1
			64QAM	1	1	21.41	21.11	20.97	20.86	21.16	20.91	2.5
			256QAM	1	1	19.37	19.10	18.94	18.92	19.16	18.95	4.5
		CP	QPSK	1	1	22.36	22.06	22.01	21.88	22.08	21.95	1.5

NR TDD 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	
						3 715.02 MHz	3 765 MHz	3 815.01 MHz	3 864.99 MHz	3 915 MHz	3 964.98 MHz	
30 MHz	30	DFT-s	pi/2 BPSK	1	1	23.80	23.44	23.40	23.49	23.46	23.58	0
				1	39	23.70	23.55	23.47	23.41	23.44	23.38	0
				1	76	23.88	23.62	23.74	23.40	23.63	23.51	0
				36	0	23.17	22.99	22.96	23.03	22.97	23.00	0.5
				36	21	23.74	23.43	23.47	23.48	23.49	23.45	0
				36	42	23.36	23.02	23.11	22.93	23.11	23.02	0.5
			QPSK	75	0	23.25	23.03	22.96	23.01	23.05	23.01	0.5
				1	1	23.79	23.45	23.38	23.50	23.53	23.60	0
				1	39	23.72	23.51	23.46	23.48	23.48	23.43	0
				1	76	23.86	23.65	23.73	23.48	23.69	23.52	0
				36	0	22.68	22.47	22.48	22.51	22.48	22.53	1
				36	21	23.76	23.41	23.46	23.51	23.51	23.46	0
				36	42	22.89	22.52	22.61	22.41	22.60	22.56	1
				75	0	22.80	22.55	22.51	22.52	22.54	22.53	1
			16QAM	1	1	22.72	22.44	22.42	22.56	22.58	22.61	1
			64QAM	1	1	21.28	20.99	20.85	21.07	21.07	21.14	2.5
			256QAM	1	1	19.35	18.97	18.92	19.09	19.09	19.20	4.5
		CP	QPSK	1	1	22.27	21.93	21.92	22.03	22.08	22.10	1.5

NR TDD 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	
40 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	23.90	23.50	23.42	23.57	23.65	23.52	0
				1	53	23.73	23.40	23.45	23.43	23.50	23.41	0
				1	104	23.98	23.61	23.70	23.48	23.59	23.62	0
				50	0	23.32	23.04	23.04	23.04	23.19	23.00	0.5
				50	28	23.87	23.47	23.50	23.49	23.59	23.49	0
				50	56	23.37	23.08	23.18	22.97	23.10	23.09	0.5
			QPSK	100	0	23.38	23.01	23.02	23.05	23.09	23.04	0.5
				1	1	23.92	23.55	23.48	23.62	23.66	23.49	0
				1	53	23.77	23.45	23.48	23.47	23.54	23.41	0
				1	104	24.02	23.63	23.74	23.50	23.65	23.63	0
				50	0	22.79	22.57	22.48	22.54	22.65	22.52	1
				50	28	23.83	23.46	23.51	23.54	23.55	23.49	0
				50	56	22.90	22.59	22.66	22.50	22.65	22.61	1
				100	0	22.91	22.52	22.54	22.54	22.58	22.51	1
			16QAM	1	1	22.93	22.58	22.51	22.66	22.74	22.51	1
			64QAM	1	1	21.52	21.12	21.03	21.16	21.20	20.96	2.5
			256QAM	1	1	19.59	19.14	19.04	19.15	19.24	19.06	4.5
		CP	QPSK	1	1	22.46	22.11	21.99	22.13	22.21	22.01	1.5

NR TDD Band n77_50 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						648334	652166	656000		659834	663666	
						3 725.01 MHz	3 782.49 MHz	3 840 MHz		3 897.51 MHz	3 954.99 MHz	
50 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	23.50	23.39	23.30		23.18	23.42	0
				1	67	23.62	23.39	23.44		23.37	23.31	0
				1	131	23.85	23.49	23.42		23.61	23.34	0
				64	0	23.16	22.90	22.95		22.95	22.91	0.5
				64	35	23.74	23.49	23.50		23.60	23.37	0
				64	69	23.44	22.88	23.01		23.04	22.86	0.5
			QPSK	128	0	23.32	22.96	22.96		23.04	22.91	0.5
				1	1	23.56	23.40	23.26		23.23	23.44	0
				1	67	23.67	23.37	23.42		23.38	23.30	0
				1	131	23.93	23.46	23.37		23.61	23.34	0
				64	0	22.65	22.45	22.45		22.44	22.42	1
				64	35	23.74	23.48	23.48		23.60	23.38	0
				64	69	22.95	22.43	22.51		22.56	22.40	1
				128	0	22.82	22.46	22.44		22.55	22.38	1
			16QAM	1	1	22.59	22.48	22.29		22.20	22.46	1
			64QAM	1	1	21.14	20.95	20.78		20.77	20.96	2.5
			256QAM	1	1	19.18	18.99	18.86		18.8	19.03	4.5
		CP	QPSK	1	1	22.08	21.95	21.76		21.75	21.92	1.5

NR TDD Band n77_60 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						648668	653556			658444	663332	
						3 730.02 MHz	3 803.34 MHz			3 876.66 MHz	3 949.98 MHz	
60 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	23.75	23.50			23.34	23.39	0
				1	81	23.80	23.61			23.47	23.36	0
				1	160	23.90	23.58			23.65	23.38	0
				81	0	23.27	22.99			22.93	22.99	0.5
				81	41	23.79	23.60			23.42	23.42	0
				81	81	23.47	23.06			23.15	23.01	0.5
				162	0	23.33	23.08			22.99	22.97	0.5
			QPSK	1	1	23.75	23.49			23.26	23.47	0
				1	81	23.82	23.53			23.38	23.42	0
				1	160	23.88	23.57			23.61	23.45	0
				81	0	22.80	22.52			22.44	22.53	1
				81	41	23.82	23.63			23.43	23.43	0
				81	81	22.94	22.59			22.64	22.52	1
				162	0	22.83	22.58			22.48	22.47	1
			16QAM	1	1	22.86	22.57			22.34	22.50	1
			64QAM	1	1	21.35	21.06			20.83	21.06	2.5
			256QAM	1	1	19.34	19.07			18.93	19.01	4.5
		CP	QPSK	1	1	22.26	22.04			21.82	21.99	1.5

NR TDD Band n77_70 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						649000	654336			658334	663000	
						3 750 MHz	3 804.99 MHz			3 875.01 MHz	3 945 MHz	
70 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	23.61	23.56			23.25	23.37	0
				1	95	23.80	23.53			23.40	23.42	0
				1	187	23.98	23.39			23.67	23.54	0
				90	0	23.21	23.06			22.89	22.93	0.5
				90	50	23.81	23.61			23.47	23.41	0
				90	99	23.48	23.06			23.17	23.05	0.5
				180	0	23.32	23.10			22.97	22.94	0.5
			QPSK	1	1	23.68	23.55			23.31	23.38	0
				1	95	23.82	23.61			23.40	23.37	0
				1	187	24.01	23.43			23.70	23.55	0
				90	0	22.72	22.53			22.36	22.44	1
				90	50	23.83	23.59			23.48	23.43	0
				90	99	23.01	22.55			22.71	22.61	1
				180	0	22.82	22.60			22.46	22.45	1
			16QAM	1	1	22.72	22.63			22.37	22.47	1
			64QAM	1	1	21.26	21.14			20.89	20.91	2.5
			256QAM	1	1	19.28	19.09			18.82	18.99	4.5
		CP	QPSK	1	1	22.19	22.13			21.85	21.93	1.5

NR TDD Band n77_ 80 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]
						649334		656000		662666	
						3 740.01 MHz		3 840 MHz		3 939.99 MHz	
80 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	23.87		23.50		23.49	0
				1	109	23.92		23.55		23.41	0
				1	215	23.86		23.45		23.40	0
				108	0	23.37		22.98		23.04	0.5
				108	55	23.93		23.53		23.44	0
				108	109	23.44		23.05		23.02	0.5
			QPSK	216	0	23.41		22.98		22.97	0.5
				1	1	23.84		23.46		23.52	0
				1	109	23.95		23.53		23.45	0
				1	215	23.83		23.43		23.41	0
				108	0	22.82		22.50		22.58	1
				108	55	23.96		23.54		23.45	0
				108	109	22.94		22.56		22.5	1
				216	0	22.90		22.49		22.50	1
			16QAM	1	1	22.88		22.51		22.54	1
			64QAM	1	1	21.46		21.03		21.11	2.5
			256QAM	1	1	19.41		19.00		19.06	4.5
		CP	QPSK	1	1	22.39		22.03		22.03	1.5

NR TDD Band n77_ 90 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]
						649668		656000		662332	
						3 745.02 MHz		3 840 MHz		3 934.98 MHz	
90 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	23.74		23.49		23.65	0
				1	123	23.90		23.55		23.46	0
				1	243	23.96		23.53		23.26	0
				120	0	23.26		22.99		23.15	0.5
				120	63	23.92		23.54		23.56	0
				120	125	23.56		23.08		22.90	0.5
				243	0	23.38		23.00		23.08	0.5
			QPSK	1	1	23.76		23.45		23.70	0
				1	123	23.94		23.51		23.48	0
				1	243	24.03		23.55		23.29	0
				120	0	22.75		22.49		22.63	1
				120	63	23.89		23.51		23.58	0
				120	125	23.04		22.60		22.46	1
				243	0	22.89		22.49		22.57	1
			16QAM	1	1	22.78		22.53		22.75	1
			64QAM	1	1	21.34		21.09		21.24	2.5
			256QAM	1	1	19.33		19.02		19.22	4.5
		CP	QPSK	1	1	22.30		22.00		22.21	1.5

NR TDD Band n77_ 100 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]
						650000				662000	
						3 750 MHz				3 930 MHz	
100 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	23.84				23.43	0
				1	137	23.84				23.58	0
				1	271	23.87				23.50	0
				135	0	23.41				22.99	0.5
				135	69	23.89				23.53	0
				135	138	23.39				23.03	0.5
			QPSK	270	0	23.33				23.07	0.5
				1	1	23.83				23.41	0
				1	137	23.90				23.54	0
				1	271	23.89				23.48	0
				135	0	22.94				22.51	1
				135	69	23.87				23.53	0
				135	138	22.89				22.50	1
				270	0	22.85				22.55	1
				1	1	22.87				22.54	1
				1	1	21.37				20.98	2.5
				1	1	19.49				19.00	4.5
		CP	QPSK	1	1	22.39				21.94	1.5

11.4.13 NR TDD Band n77 DoD Conducted Power

NR TDD Band n77 DoD_20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						630668	633334	636000	
						3460.02 MHz	3500.01 MHz	3540 MHz	
20 MHz	30	DFT-s	pi/2 BPSK	1	1	24.08	24.02	23.91	0
				1	26	23.97	23.99	23.87	0
				1	49	24.02	23.94	23.78	0
				25	0	23.59	23.57	23.42	0.5
				25	13	24.04	24.05	23.85	0
				25	26	23.59	23.50	23.44	0.5
				50	0	23.59	23.55	23.40	0.5
			QPSK	1	1	24.10	24.10	23.93	0
				1	26	24.01	24.04	23.81	0
				1	49	24.07	23.95	23.79	0
				25	0	23.06	23.09	22.91	1
				25	13	24.06	24.03	23.87	0
				25	26	23.07	22.99	22.88	1
				50	0	23.10	23.07	22.90	1
			16QAM	1	1	23.15	23.15	22.92	1
			64QAM	1	1	21.61	21.64	21.49	2.5
			256QAM	1	1	19.68	19.70	19.57	4.5
		CP	QPSK	1	1	22.60	22.62	22.46	1.5

NR TDD Band n77 DoD_30 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						631000	633334	635666	
						3465 MHz	3500.01 MHz	3534.99 MHz	
30 MHz	30	DFT-s	pi/2 BPSK	1	1	23.90	23.98	24.02	0
				1	39	23.98	23.96	23.87	0
				1	76	24.03	24.01	23.91	0
				36	0	23.41	23.47	23.45	0.5
				36	21	23.92	23.98	23.91	0
				36	42	23.50	23.48	23.43	0.5
				75	0	23.46	23.46	23.44	0.5
			QPSK	1	1	23.93	23.95	24.07	0
				1	39	23.97	23.95	23.88	0
				1	76	24.04	24.00	23.91	0
				36	0	22.95	22.96	22.95	1
				36	21	23.91	23.97	23.91	0
				36	42	23.05	23.02	22.94	1
				75	0	22.96	22.99	22.92	1
			16QAM	1	1	22.95	23.00	23.12	1
			64QAM	1	1	21.45	21.53	21.62	2.5
			256QAM	1	1	19.45	19.50	19.64	4.5
		CP	QPSK	1	1	22.41	22.49	22.58	1.5

NR TDD Band n77 DoD_40 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						631334		635332	
						3470.01 MHz		3529.98 MHz	
40 MHz	30	DFT-s	pi/2 BPSK	1	1	24.03		23.94	0
				1	53	24.03		23.73	0
				1	104	24.12		23.93	0
				50	0	23.60		23.43	0.5
				50	28	24.07		23.81	0
				50	56	23.54		23.38	0.5
				100	0	23.64		23.37	0.5
			QPSK	1	1	24.06		23.97	0
				1	53	24.05		23.75	0
				1	104	24.15		23.93	0
				50	0	23.04		22.90	1
				50	28	24.09		23.81	0
				50	56	23.08		22.85	1
				100	0	23.13		22.85	1
			16QAM	1	1	23.09		22.96	1
			64QAM	1	1	21.56		21.52	2.5
			256QAM	1	1	19.64		19.51	4.5
		CP	QPSK	1	1	22.57		22.49	1.5

NR TDD Band n77 DoD_50 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						631668		635000	
						3475.02 MHz		3525 MHz	
50 MHz	30	DFT-s	pi/2 BPSK	1	1	23.75		23.68	0
				1	67	23.69		23.56	0
				1	131	23.91		23.76	0
				64	0	23.41		23.28	0.5
				64	35	23.82		23.66	0
				64	69	23.39		23.22	0.5
				128	0	23.32		23.16	0.5
			QPSK	1	1	23.80		23.76	0
				1	67	23.72		23.64	0
				1	131	23.94		23.81	0
				64	0	22.85		22.80	1
				64	35	23.86		23.67	0
				64	69	22.90		22.72	1
				128	0	22.85		22.68	1
			16QAM	1	1	22.86		22.80	1
			64QAM	1	1	21.41		21.30	2.5
			256QAM	1	1	19.40		19.33	4.5
		CP	QPSK	1	1	22.34		22.27	1.5

NR TDD Band n77 DoD_60 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
							3500.01 MHz		
60 MHz	30	DFT-s	pi/2 BPSK	1	1		23.96		0
				1	81		23.98		0
				1	160		23.78		0
				81	0		23.40		0.5
				81	41		23.96		0
				81	81		23.46		0.5
				162	0		23.43		0.5
			QPSK	1	1		23.93		0
				1	81		23.94		0
				1	160		23.81		0
				81	0		22.92		1
				81	41		23.97		0
				81	81		22.95		1
				162	0		22.95		1
			16QAM	1	1		22.99		1
			64QAM	1	1		21.50		2.5
			256QAM	1	1		19.50		4.5
		CP	QPSK	1	1		22.51		1.5

NR TDD Band n77 DoD_70 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
							3500.01 MHz		
70 MHz	30	DFT-s	pi/2 BPSK	1	1		23.88		0
				1	95		23.88		0
				1	187		23.73		0
				90	0		23.37		0.5
				90	50		23.95		0
				90	99		23.44		0.5
				180	0		23.44		0.5
			QPSK	1	1		23.94		0
				1	95		23.96		0
				1	187		23.76		0
				90	0		22.93		1
				90	50		23.95		0
				90	99		22.97		1
				180	0		22.94		1
			16QAM	1	1		22.99		1
			64QAM	1	1		21.52		2.5
			256QAM	1	1		19.51		4.5
		CP	QPSK	1	1		22.47		1.5

NR TDD Band n77 DoD_80 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
							3500.01 MHz		
80 MHz	30	DFT-s	pi/2 BPSK	1	1		23.95		0
				1	109		23.94		0
				1	215		23.67		0
				108	0		23.38		0.5
				108	55		23.98		0
				108	109		23.43		0.5
				216	0		23.41		0.5
			QPSK	1	1		23.99		0
				1	109		23.93		0
				1	215		23.73		0
				108	0		22.91		1
				108	55		23.96		0
				108	109		22.96		1
				216	0		22.93		1
			16QAM	1	1		23.00		1
			64QAM	1	1		21.52		2.5
			256QAM	1	1		19.56		4.5
		CP	QPSK	1	1		22.50		1.5

NR TDD Band n77 DoD_90 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
							3500.01 MHz		
90 MHz	30	DFT-s	pi/2 BPSK	1	1		23.98		0
				1	123		23.96		0
				1	243		23.83		0
				120	0		23.43		0.5
				120	63		23.97		0
				120	125		23.34		0.5
				243	0		23.43		0.5
			QPSK	1	1		24.01		0
				1	123		23.94		0
				1	243		23.82		0
				120	0		22.90		1
				120	63		23.94		0
				120	125		22.85		1
				243	0		22.93		1
			16QAM	1	1		23.04		1
			64QAM	1	1		21.59		2.5
			256QAM	1	1		19.57		4.5
		CP	QPSK	1	1		22.52		1.5

NR TDD Band n77 DoD_100 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
							3500.01 MHz		
100MHz	30	DFT-s	pi/2 BPSK	1	1		23.96		0
				1	137		23.94		0
				1	271		23.81		0
				135	0		23.41		0.5
				135	69		23.94		0
				135	138		23.37		0.5
				270	0		23.43		0.5
			QPSK	1	1		23.97		0
				1	137		23.94		0
				1	271		23.86		0
				135	0		22.90		1
				135	69		23.94		0
				135	138		22.83		1
				270	0		22.96		1
			16QAM	1	1		22.98		1
			64QAM	1	1		21.49		2.5
			256QAM	1	1		19.53		4.5
		CP	QPSK	1	1		22.46		1.5

11.4.13 NR TDD Band n78 Conducted Power

NR TDD Band n78 _20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						647334	650000	652666	
						3710.01 MHz	3750 MHz	3789.99 MHz	
20 MHz	30	DFT-s	pi/2 BPSK	1	1	23.86	23.93	23.70	0
				1	26	23.76	23.87	23.66	0
				1	49	23.73	23.82	23.72	0
				25	0	23.36	23.41	23.20	0.5
				25	13	23.82	23.87	23.71	0
				25	26	23.40	23.42	23.26	0.5
				50	0	23.37	23.40	23.26	0.5
			QPSK	1	1	23.88	23.83	23.75	0
				1	26	23.79	23.81	23.71	0
				1	49	23.80	23.74	23.77	0
				25	0	22.86	22.86	22.73	1
				25	13	23.83	23.85	23.70	0
				25	26	22.90	22.91	22.76	1
				50	0	22.86	22.89	22.73	1
			16QAM	1	1	22.93	22.86	22.74	1
			64QAM	1	1	21.40	21.47	21.30	2.5
			256QAM	1	1	19.46	19.48	19.31	4.5
		CP	QPSK	1	1	22.40	22.39	22.27	1.5

NR TDD Band n78 _30 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						647666	650000	652332	
						3715 MHz	3750 MHz	3784.98 MHz	
30 MHz	30	DFT-s	pi/2 BPSK	1	1	23.92	23.82	23.87	0
				1	39	23.61	23.64	23.65	0
				1	76	23.65	23.78	23.67	0
				36	0	23.27	23.38	23.29	0.5
				36	21	23.74	23.74	23.70	0
				36	42	23.26	23.31	23.15	0.5
				75	0	23.26	23.25	23.25	0.5
			QPSK	1	1	24.03	23.84	23.81	0
				1	39	23.67	23.67	23.61	0
				1	76	23.73	23.84	23.64	0
				36	0	22.80	22.83	22.75	1
				36	21	23.70	23.73	23.71	0
				36	42	22.77	22.81	22.66	1
				75	0	22.82	22.78	22.74	1
			16QAM	1	1	23.03	22.90	22.89	1
			64QAM	1	1	21.52	21.41	21.37	2.5
			256QAM	1	1	19.59	19.47	19.39	4.5
		CP	QPSK	1	1	22.51	22.39	22.39	1.5

NR TDD Band n78_40 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						647800		652000	
						3720 MHz		3780 MHz	
40 MHz	30	DFT-s	pi/2 BPSK	1	1	23.83		23.91	0
				1	53	23.61		23.60	0
				1	104	23.91		23.80	0
				50	0	23.20		23.24	0.5
				50	28	23.69		23.68	0
				50	56	23.26		23.28	0.5
				100	0	23.24		23.24	0.5
			QPSK	1	1	23.84		23.84	0
				1	53	23.64		23.58	0
				1	104	23.93		23.79	0
				50	0	22.74		22.72	1
				50	28	23.74		23.72	0
				50	56	22.74		22.75	1
				100	0	22.78		22.74	1
			16QAM	1	1	22.91		22.97	1
			64QAM	1	1	21.44		21.45	2.5
			256QAM	1	1	19.44		19.45	4.5
		CP	QPSK	1	1	22.40		22.41	1.5

NR TDD Band n78_50 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						648334		651666	
						3725.01 MHz		3774.99 MHz	
50 MHz	30	DFT-s	pi/2 BPSK	1	1	23.55		23.86	0
				1	67	23.54		23.62	0
				1	131	23.77		23.48	0
				64	0	23.13		23.40	0.5
				64	35	23.67		23.73	0
				64	69	23.32		23.08	0.5
				128	0	23.18		23.22	0.5
			QPSK	1	1	23.60		23.94	0
				1	67	23.58		23.67	0
				1	131	23.81		23.57	0
				64	0	22.61		22.90	1
				64	35	23.66		23.71	0
				64	69	22.79		22.58	1
				128	0	22.67		22.73	1
			16QAM	1	1	22.64		22.98	1
			64QAM	1	1	21.22		21.48	2.5
			256QAM	1	1	19.16		19.55	4.5
		CP	QPSK	1	1	22.10		22.48	1.5

NR TDD 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		
60 MHz	30	DFT-s	pi/2 BPSK	1	1		23.72		0
				1	81		23.72		0
				1	160		23.69		0
				81	0		23.28		0.5
				81	41		23.79		0
				81	81		23.33		0.5
				162	0		23.27		0.5
			QPSK	1	1		23.73		0
				1	81		23.78		0
				1	160		23.72		0
				81	0		22.76		1
				81	41		23.79		0
				81	81		22.86		1
				162	0		22.78		1
			16QAM	1	1		22.81		1
			64QAM	1	1		21.28		2.5
			256QAM	1	1		19.35		4.5
		CP	QPSK	1	1		22.29		1.5

NR TDD 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		
70 MHz	30	DFT-s	pi/2 BPSK	1	1		23.68		0
				1	95		23.78		0
				1	187		23.74		0
				90	0		23.24		0.5
				90	50		23.78		0
				90	99		23.28		0.5
				180	0		23.24		0.5
			QPSK	1	1		23.70		0
				1	95		23.79		0
				1	187		23.75		0
				90	0		22.73		1
				90	50		23.77		0
				90	99		22.78		1
				180	0		22.76		1
			16QAM	1	1		22.76		1
			64QAM	1	1		21.24		2.5
			256QAM	1	1		19.33		4.5
		CP	QPSK	1	1		22.26		1.5

NR TDD 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		
80 MHz	30	DFT-s	pi/2 BPSK	1	1		23.71		0
				1	109		23.78		0
				1	215		23.72		0
				108	0		23.27		0.5
				108	55		23.79		0
				108	109		23.29		0.5
				216	0		23.25		0.5
			QPSK	1	1		23.70		0
				1	109		23.76		0
				1	215		23.71		0
				108	0		22.76		1
				108	55		23.77		0
				108	109		22.80		1
				216	0		22.77		1
			16QAM	1	1		22.81		1
			64QAM	1	1		21.25		2.5
			256QAM	1	1		19.29		4.5
		CP	QPSK	1	1		22.25		1.5

NR TDD 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		
90 MHz	30	DFT-s	pi/2 BPSK	1	1		23.72		0
				1	123		23.71		0
				1	243		23.67		0
				120	0		23.22		0.5
				120	63		23.76		0
				120	125		23.28		0.5
				243	0		23.26		0.5
			QPSK	1	1		23.79		0
				1	123		23.77		0
				1	243		23.72		0
				120	0		22.72		1
				120	63		23.79		0
				120	125		22.78		1
				243	0		22.79		1
			16QAM	1	1		22.81		1
			64QAM	1	1		21.34		2.5
			256QAM	1	1		19.37		4.5
		CP	QPSK	1	1		22.31		1.5

NR TDD 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		
100 MHz	30	DFT-s	pi/2 BPSK	1	1		23.82		0
				1	137		23.75		0
				1	271		23.72		0
				135	0		23.24		0.5
				135	69		23.79		0
				135	138		23.30		0.5
				270	0		23.29		0.5
			QPSK	1	1		23.92		0
				1	137		23.81		0
				1	271		23.80		0
				135	0		22.79		1
				135	69		23.77		0
				135	138		22.84		1
				270	0		22.79		1
			16QAM	1	1		22.92		1
			64QAM	1	1		21.43		2.5
			256QAM	1	1		19.47		4.5
		CP	QPSK	1	1		22.41		1.5

11.4.14 NR TDD Band n78 DoD Conducted Power

NR TDD Band n78 DoD_20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						630668	633334	63600	
						3460.02 MHz	3500.01 MHz	3540 MHz	
20 MHz	30	DFT-s	pi/2 BPSK	1	1	24.09	24.00	23.99	0
				1	26	24.03	23.88	23.88	0
				1	49	24.12	23.94	23.95	0
				25	0	23.58	23.60	23.56	0.5
				25	13	24.05	24.04	24.05	0
				25	26	23.55	23.50	23.46	0.5
				50	0	23.58	23.55	23.55	0.5
			QPSK	1	1	24.10	24.09	24.09	0
				1	26	24.02	23.89	23.90	0
				1	49	24.10	23.96	23.94	0
				25	0	23.07	23.06	23.06	1
				25	13	24.04	24.01	24.05	0
				25	26	23.08	22.93	22.96	1
				50	0	23.08	23.08	23.06	1
			16QAM	1	1	23.10	23.16	23.03	1
			64QAM	1	1	21.60	21.67	21.68	2.5
			256QAM	1	1	19.61	19.59	19.67	4.5
		CP	QPSK	1	1	22.56	22.60	22.61	1.5

NR TDD Band n78 DoD_25 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						630866	633334	635800	
						3462.99 MHz	3500.01 MHz	3537 MHz	
25 MHz	30	DFT-s	pi/2 BPSK	1	1	23.93	23.95	24.00	0
				1	32	23.92	23.95	23.81	0
				1	63	23.95	23.97	23.81	0
				32	0	23.44	23.49	23.46	0.5
				32	17	23.95	23.94	23.89	0
				32	33	23.49	23.50	23.40	0.5
				64	0	23.47	23.50	23.41	0.5
			QPSK	1	1	23.91	23.94	24.09	0
				1	32	23.91	23.94	23.85	0
				1	63	23.94	23.95	23.93	0
				32	0	22.95	22.99	22.96	1
				32	17	23.93	23.98	23.88	0
				32	33	23.00	22.97	22.92	1
				64	0	22.98	22.99	22.93	1
			16QAM	1	1	22.98	23.03	23.11	1
			64QAM	1	1	21.43	21.56	21.66	2.5
			256QAM	1	1	19.46	19.56	19.65	4.5
		CP	QPSK	1	1	22.47	22.49	22.60	1.5

NR TDD Band n78 DoD_40 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						631334		635332	
						3470.01 MHz		3529.98 MHz	
40 MHz	30	DFT-s	pi/2 BPSK	1	1	24.09		24.07	0
				1	53	24.03		23.77	0
				1	104	24.08		23.83	0
				50	0	23.60		23.47	0.5
				50	28	24.11		23.81	0
				50	56	23.52		23.34	0.5
				100	0	23.60		23.36	0.5
			QPSK	1	1	24.12		24.06	0
				1	53	24.06		23.76	0
				1	104	24.04		23.89	0
				50	0	23.11		22.98	1
				50	28	24.09		23.82	0
				50	56	23.03		22.84	1
				100	0	23.13		22.87	1
			16QAM	1	1	23.20		23.10	1
			64QAM	1	1	21.68		21.60	2.5
			256QAM	1	1	19.70		19.62	4.5
		CP	QPSK	1	1	22.60		22.56	1.5

NR TDD Band n78 DoD_50 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						631668		635000	
						3475.02 MHz		3525 MHz	
50 MHz	30	DFT-s	pi/2 BPSK	1	1	23.89		23.84	0
				1	67	23.80		23.65	0
				1	131	23.94		23.75	0
				64	0	23.47		23.34	0.5
				64	35	23.82		23.66	0
				64	69	23.40		23.15	0.5
				128	0	23.34		23.19	0.5
			QPSK	1	1	23.83		23.80	0
				1	67	23.75		23.64	0
				1	131	23.88		23.75	0
				64	0	22.92		22.80	1
				64	35	23.86		23.67	0
				64	69	22.89		22.69	1
				128	0	22.85		22.69	1
			16QAM	1	1	22.94		22.87	1
			64QAM	1	1	21.38		21.31	2.5
			256QAM	1	1	19.41		19.40	4.5
		CP	QPSK	1	1	22.36		22.31	1.5

NR TDD 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		
60 MHz	30	DFT-s	pi/2 BPSK	1	1		23.93		0
				1	81		23.95		0
				1	160		23.82		0
				81	0		23.42		0.5
				81	41		23.96		0
				81	81		23.45		0.5
				162	0		23.42		0.5
			QPSK	1	1		23.89		0
				1	81		23.92		0
				1	160		23.76		0
				81	0		22.93		1
				81	41		23.94		0
				81	81		22.93		1
				162	0		22.95		1
			16QAM	1	1		22.97		1
			64QAM	1	1		21.49		2.5
			256QAM	1	1		19.48		4.5
		CP	QPSK	1	1		22.43		1.5

NR TDD 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		
70 MHz	30	DFT-s	pi/2 BPSK	1	1		23.99		0
				1	95		23.91		0
				1	187		23.83		0
				90	0		23.41		0.5
				90	50		23.96		0
				90	99		23.44		0.5
				180	0		23.42		0.5
			QPSK	1	1		23.96		0
				1	95		23.92		0
				1	187		23.78		0
				90	0		22.94		1
				90	50		23.96		0
				90	99		22.97		1
				180	0		22.95		1
			16QAM	1	1		23.01		1
			64QAM	1	1		21.52		2.5
			256QAM	1	1		19.54		4.5
		CP	QPSK	1	1		22.51		1.5

NR TDD 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		
80 MHz	30	DFT-s	pi/2 BPSK	1	1		23.91		0
				1	109		23.89		0
				1	215		23.73		0
				108	0		23.41		0.5
				108	55		23.91		0
				108	109		23.44		0.5
				216	0		23.42		0.5
			QPSK	1	1		23.98		0
				1	109		23.93		0
				1	215		23.82		0
				108	0		22.91		1
				108	55		23.97		0
				108	109		22.96		1
				216	0		22.94		1
			16QAM	1	1		22.99		1
			64QAM	1	1		21.58		2.5
			256QAM	1	1		19.54		4.5
		CP	QPSK	1	1		22.49		1.5

NR TDD 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		
90 MHz	30	DFT-s	pi/2 BPSK	1	1		24.03		0
				1	123		23.93		0
				1	243		23.75		0
				120	0		23.42		0.5
				120	63		23.93		0
				120	125		23.33		0.5
				243	0		23.44		0.5
			QPSK	1	1		24.04		0
				1	123		23.93		0
				1	243		23.79		0
				120	0		22.92		1
				120	63		23.96		0
				120	125		22.86		1
				243	0		22.96		1
			16QAM	1	1		23.13		1
			64QAM	1	1		21.59		2.5
			256QAM	1	1		19.61		4.5
		CP	QPSK	1	1		22.57		1.5

NR TDD 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		
100 MHz	30	DFT-s	pi/2 BPSK	1	1		24.08		0
				1	137		23.97		0
				1	271		23.81		0
				135	0		23.43		0.5
				135	69		23.93		0
				135	138		23.35		0.5
				270	0		23.46		0.5
			QPSK	1	1		24.05		0
				1	137		23.95		0
				1	271		23.81		0
				135	0		22.96		1
				135	69		23.95		0
				135	138		22.85		1
				270	0		22.94		1
			16QAM	1	1		23.12		1
			64QAM	1	1		21.63		2.5
			256QAM	1	1		19.63		4.5
		CP	QPSK	1	1		22.58		1.5

12. System Verification

12.1 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
01/20/2025	21.2	750H	705	0.880	43.740	0.889	42.174	-0.97	3.71
			710	0.882	43.690	0.890	42.148	-0.85	3.66
			750	0.898	43.560	0.893	41.940	0.57	3.86
01/16/2025	21.3	835H	820	0.907	43.370	0.899	41.577	0.83	4.31
			835	0.912	43.320	0.900	41.500	1.33	4.39
			850	0.917	43.270	0.916	41.500	0.15	4.27
01/14/2025	21.5	1800H	1710	1.372	41.620	1.348	40.144	1.78	3.68
			1750	1.396	41.650	1.371	40.080	1.82	3.92
			1800	1.435	41.590	1.400	40.000	2.50	3.98
01/15/2025	21.4	1900H	1850	1.391	41.340	1.400	40.000	-0.64	3.35
			1900	1.419	41.210	1.400	40.000	1.36	3.03
			1910	1.423	41.190	1.400	40.000	1.64	2.97
01/17/2025	21.6	2600H	2500	1.894	40.560	1.855	39.140	2.10	3.63
			2600	1.953	40.610	1.964	39.010	-0.56	4.10
			2690	2.030	39.200	2.062	38.894	-1.55	0.79
01/21/2025	21.1	3500H-3900H	3500	2.819	38.920	2.913	37.930	-3.23	2.61
			3550	2.866	38.840	2.964	37.870	-3.31	2.56
			3650	2.956	38.690	3.066	37.760	-3.59	2.46
			3700	3.003	38.600	3.118	37.770	-3.69	2.20
			3750	3.051	38.540	3.169	37.640	-3.72	2.39
			3800	3.099	38.480	3.220	37.590	-3.76	2.37
			3900	3.191	38.330	3.233	37.470	-1.30	2.30
			3970	3.263	38.220	3.394	37.390	-3.86	2.22

12.2 System Verification

Input Power: 50 mW

Freq.	Date	Probe	Dipole	Liquid	Amb. Temp.	Liquid Temp.	1 W Target SAR _{1g} (SPEAG)	50mW Measured SAR _{1g}	1 W Normalized SAR _{1g}	Deviation	Limit
[MHz]		(S/N)	(S/N)		[°C]	[°C]	[W/kg]	[W/kg]	[W/kg]	[%]	[%]
750	01/20/2025	7622	1014	Head	21.3	21.2	8.50	0.425	8.5	0.00	± 10
835	01/16/2025	7622	441	Head	21.4	21.3	9.73	0.504	10.08	3.60	± 10
1 800	01/14/2025	7622	2d007	Head	21.4	21.5	39.0	1.93	38.6	-1.03	± 10
1 900	01/15/2025	7622	5d032	Head	21.5	21.4	40.2	2.17	43.4	7.96	± 10
2 600	01/17/2025	7622	1015	Head	21.5	21.6	56.4	2.88	57.6	2.13	± 10
3 500	01/21/2025	7622	1132	Head	21.2	21.1	65.1	3.12	62.4	-4.15	± 10
3 700	01/21/2025	7622	1105	Head	21.2	21.1	67.1	3.44	68.8	2.53	± 10
3 900	01/21/2025	7622	1086	Head	21.2	21.1	67.6	3.48	69.6	2.96	± 10

12.3 SAR Test System Verification Procedure

SAR measurement was prior to assessment; the system is verified to the $\pm 10\%$ 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 except 6 GHz, 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.

13. SAR Test Data Summary

13.1 Body SAR Measurement Results

GSM 850 SAR														
Frequency		Mode	Ant.	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Distance	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(dBm)	(dBm)	(dB)			(mm)				(W/kg)	
836.6	190	GPRS 4Tx	MIMO1	29.0	27.78	-0.05	Rear	1:2.08	FREE	35	0.03	1.324	0.040	B1
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Body 1.6 W/kg Averaged over 1 gram							

GSM 1900 SAR														
Frequency		Mode	Ant.	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Distance	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(dBm)	(dBm)	(dB)			(mm)				(W/kg)	
1 880	661	GPRS 4Tx	MIMO1	26.0	24.66	0.01	Rear	1:2.08	FREE	35	0.025	1.361	0.034	B2
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														
Frequency		Mode	Ant.	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Distance	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(dBm)	(dBm)	(dB)			(mm)				(W/kg)	
836.6	4183	RMC	MIMO1	25.0	24.13	0.00	Rear	1:1	FREE	35	0.000	1.222	0.000	B3
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

Frequency		Mode	Ant.	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Distance	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(dBm)	(dBm)	(dB)			(mm)		(W/kg)		(W/kg)	
1 732.4	1412	RMC	MIMO1	25.0	23.28	0.00	Rear	1:1	FREE	35	0.028	1.486	0.042	B4
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram						

UMTS Band 2 SAR

Frequency		Mode	Ant.	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Distance	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(dBm)	(dBm)	(dB)			(mm)		(W/kg)		(W/kg)	
1 880	9400	RMC	MIMO1	25.0	23.41	-0.02	Rear	1:1	FREE	35	0.029	1.442	0.042	B5
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

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)		(dB)					(mm)	(W/kg)		(W/kg)	
2 535	21350	QPSK	MIMO1	20	25.0	23.60	0.00	Rear	0	1	0	1:1	FREE	35	0	1.380	0.000	-
2 535	21100	QPSK	MIMO1	20	24.0	22.64	0.00	Rear	1	50	25	1:1	FREE	35	0	1.368	0.000	B6
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

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)		(dB)					(mm)	(W/kg)		(W/kg)	
707.5	23095	QPSK	MIMO1	10	25.0	23.62	0.05	Rear	0	1	24	1:1	FREE	35	0.044	1.374	0.060	B7
707.5	23095	QPSK	MIMO1	10	24.0	22.72	0.03	Rear	1	25	0	1:1	FREE	35	0.032	1.343	0.043	-
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

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)		(dB)					(mm)	(W/kg)		(W/kg)	
782	23230	QPSK	MIMO1	10	25.0	23.74	-0.05	Rear	0	1	24	1:1	FREE	35	0.040	1.337	0.053	B8
782	23230	QPSK	MIMO1	10	24.0	22.68	-0.06	Rear	1	25	0	1:1	FREE	35	0.030	1.309	0.039	-
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

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)		(dB)					(mm)	(W/kg)		(W/kg)	
793	23330	QPSK	MIMO1	10	25.0	23.48	0.06	Rear	0	1	0	1:1	FREE	35	0.041	1.419	0.057	B9
793	23330	QPSK	MIMO1	10	24.0	22.62	-0.06	Rear	1	25	12	1:1	FREE	35	0.031	1.374	0.043	-
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 25 (PCS) SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)		(dB)					(mm)	(W/kg)		(W/kg)	
1 882.5	26365	QPSK	MIMO1	20	25.0	23.80	0.09	Rear	0	1	99	1:1	FREE	35	0.022	1.318	0.029	-
1 905	26590	QPSK	MIMO1	20	24.0	22.87	0.00	Rear	1	50	49	1:1	FREE	35	0.030	1.297	0.039	B10
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 (Cell) SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB	RB	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)		(dB)	Size	offset			(mm)	(W/kg)		(W/kg)	
831.5	26865	QPSK	MIMO1	15	25.0	23.63	-0.05	Rear	0	1	0	1:1	FREE	35	0.030	1.371	0.041	B11
831.5	26865	QPSK	MIMO1	15	24.0	22.78	0.06	Rear	1	36	39	1:1	FREE	35	0.018	1.324	0.024	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram									

LTE TDD Band 41 SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB	RB	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)		(dB)	Size	offset			(mm)	(W/kg)		(W/kg)	
2 593	40620	QPSK	MIMO1	20	25.0	23.75	0.00	Rear	0	1	0	1:1.58	FREE	35	0.000	1.380	0.000	B12
2 549.5	40185	QPSK	MIMO1	20	24.0	22.76	0.00	Rear	1	50	25	1:1.58	FREE	35	0.000	1.368	0.000	-
ANSI/IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/General Population									Body 1.6 W/kg Averaged over 1 gram									

LTE TDD Band 42 SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB	RB	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)		(dB)	Size	offset			(mm)	(W/kg)		(W/kg)	
3 500	42590	QPSK	MIMO2	20	24.5	23.46	0.00	Rear	0	1	99	1:1.58	FREE	35	0.000	1.271	0.000	B13
3 460	42190	QPSK	MIMO2	20	23.5	22.60	0.00	Rear	1	50	25	1:1.58	FREE	35	0.000	1.230	0.000	-
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 (AWS) SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB	RB	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)		(dB)	Size	offset			(mm)	(W/kg)		(W/kg)	
1 745	132322	QPSK	MIMO1	20	25.0	23.40	-0.11	Rear	0	1	0	1:1	FREE	35	0.029	1.445	0.042	B14
1 720	132072	QPSK	MIMO1	20	24.0	22.63	0.00	Rear	1	50	0	1:1	FREE	35	0.029	1.371	0.040	-
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

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)											
2 535	507000	DFT-s OFDM QPSK	MIMO1	40	25.0	23.74	0.00	Rear	0	1	214	1:1	FREE	35	0.026	1.337	0.035	B15
2 535	507000	DFT-s OFDM QPSK	MIMO1	40	25.0	23.68	0.00	Rear	0	108	54	1:1	FREE	35	0.013	1.355	0.018	-
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

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)											
707.5	141500	DFT-s OFDM QPSK	MIMO1	15	25.0	23.32	0.06	Rear	0	1	40	1:1	FREE	35	0.081	1.472	0.119	B16
707.5	141500	DFT-s OFDM QPSK	MIMO1	15	25.0	23.37	-0.04	Rear	0	36	22	1:1	FREE	35	0.078	1.455	0.113	-
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

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)											
782	156400	DFT-s OFDM QPSK	MIMO1	10	25.0	23.24	0.05	Rear	0	1	26	1:1	FREE	35	0.053	1.500	0.080	B17
782	156400	DFT-s OFDM QPSK	MIMO1	10	25.0	23.34	0.07	Rear	0	25	14	1:1	FREE	35	0.052	1.466	0.076	-
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

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)		(dB)					(mm)	(W/kg)		(W/kg)	
793	158600	DFT-s OFDM QPSK	MIMO1	10	25.0	23.19	0.13	Rear	0	1	26	1:1	FREE	35	0.057	1.517	0.086	-
793	158600	DFT-s OFDM QPSK	MIMO1	10	25.0	23.18	0.18	Rear	0	25	14	1:1	FREE	35	0.061	1.521	0.093	B18
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

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)		(dB)					(mm)	(W/kg)		(W/kg)	
1 882.5	376500	DFT-s OFDM QPSK	MIMO1	40	25.0	24.00	0.07	Rear	0	1	214	1:1	FREE	35	0.055	1.259	0.069	B19
1 882.5	376500	DFT-s OFDM QPSK	MIMO1	40	25.0	23.85	0.00	Rear	0	108	54	1:1	FREE	35	0.047	1.303	0.061	-
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

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)		(dB)					(mm)	(W/kg)		(W/kg)	
831.5	166300	DFT-s OFDM QPSK	MIMO1	20	25.0	23.30	0.03	Rear	0	1	53	1:1	FREE	35	0.052	1.479	0.077	B20
831.5	166300	DFT-s OFDM QPSK	MIMO1	20	25.0	23.41	0.19	Rear	0	50	28	1:1	FREE	35	0.050	1.442	0.072	-
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

Frequency		Mode	Ant	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)		(dB)					(mm)	(W/kg)		(W/kg)	
2 592.99	518598	DFT-s OFDM QPSK	MIMO1	100	25.0	23.47	0.00	Rear	0	1	137	1:1	FREE	35	0.022	1.422	0.031	B21
2 592.99	518598	DFT-s OFDM QPSK	MIMO1	100	25.0	23.53	0.00	Rear	0	135	69	1:1	FREE	35	0.017	1.403	0.024	-
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

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)		(dB)					(mm)	(W/kg)		(W/kg)	
1 745	349000	DFT-s OFDM QPSK	MIMO1	40	25.0	24.02	0.00	Rear	0	1	214	1:1	FREE	35	0.032	1.253	0.040	-
1 745	349000	DFT-s OFDM QPSK	MIMO1	40	25.0	23.94	-0.03	Rear	0	108	54	1:1	FREE	35	0.034	1.276	0.043	B22
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

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)		(dB)					(mm)	(W/kg)		(W/kg)	
680.5	136100	DFT-s OFDM QPSK	MIMO1	20	24.0	23.23	0.10	Rear	0	1	53	1:1	FREE	35	0.087	1.503	0.131	B23
680.5	136100	DFT-s OFDM QPSK	MIMO1	20	24.0	23.23	0.11	Rear	0	50	28	1:1	FREE	35	0.085	1.503	0.128	-
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 DoD SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB Offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)		(dB)					(mm)	(W/kg)		(W/kg)	
3 750	650000	DFT-s OFDM QPSK	MIMO2	100	24.5	23.90	0.00	Rear	0	1	137	1:1	FREE	35	0.028	1.148	0.032	-
3 750	650000	DFT-s OFDM QPSK	MIMO2	100	24.5	23.87	0.00	Rear	0	135	69	1:1	FREE	35	0.039	1.156	0.045	B24
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

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB Offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)		(dB)					(mm)	(W/kg)		(W/kg)	
3 500.01	633334	DFT-s OFDM QPSK	MIMO2	100	24.5	23.97	0.00	Rear	0	1	1	1:1	FREE	35	0.040	1.130	0.045	B25
3 500.01	633334	DFT-s OFDM QPSK	MIMO2	100	24.5	23.94	0.00	Rear	0	135	69	1:1	FREE	35	0.032	1.138	0.036	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram									

13.2 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. Batteries are fully charged at the beginning of the SAR measurements. A standard battery was used for all SAR measurements.
3. Liquid tissue depth was at least 15.0 cm for all frequencies.
4. 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.
5. SAR results were scaled to the maximum allowed power to demonstrate compliance per FCC KDB 447498 D01v06.
6. Per FCC KDB 648474 D04v01r03, SAR was evaluated without a headset connected to the device. Since the standalone reported SAR was 1.2 W/kg, no additional SAR evaluation using a headset cable were required.
7. Per FCC KDB 865664 D01v01r04, variability SAR measurement were performed when the measured SAR results for a frequency Band were greater than or equal to 0.8 W/kg for 1g SAR and >2 for 10g SAR Please see Section 15 for variability analysis.
8. 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.
9. During SAR testing for the Hotspot conditions per KDB 941225 D06v02r01, the actual portable hotspot operation (with actual simultaneous transmission of a transmitter with WiFi) was not activated.

GSM/GPRS Test Notes:

1. This EUT'S GSM and GPRS device class is B.
2. This device supports GPRS VOIP in the head and the body-worn configurations therefore GPRS was additionally evaluated for head and body-worn compliance.
3. Justification for reduced test configurations per KDB 941225 D01v03r01: The source-based time-averaged output power was evaluated for all multi-slot operations. The multi-slot configuration with the highest frame averaged output power including tolerance was evaluated for SAR.
4. Per FCC KDB 447498 D04v01, 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 required test channels is 1/2 dB, instead of the middle channel, the highest output power channel must be used.

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. AMR and 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. Per FCC KDB Publication 447498 D01v06, if the reported (scaled) LTE TDD Band 41 SAR measured at the highest output power channel for each test configuration is 0.6 W/kg then testing at the other channels is not required for such test configurations.
7. TDD LTE (Power Class 3) was tested using UL-DL configuration 0 with 6 UL sub frames and 2S sub frames using extended cyclic prefix only and special sub frame configuration 6. SAR tests were performed at maximum output power and worst-case transmission duty factor in extended cyclic prefix. Per 3GPP 36.211 Sec. 4, the duty factor using extended cyclic prefix is 0.633(cf=1.58).
8. 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.

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.

14. 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					
Band		Position	NR SAR (W/kg)	LTE SAR (W/kg)	Σ 1-g SAR (W/kg)
			1	2	1+2
NR Band 25(2)	LTE Band 26(5)	Rear	0.069	0.041	0.110
	LTE Band 12			0.06	0.129
	LTE Band 13			0.053	0.122
	LTE Band 14			0.057	0.126
NR Band 26(5)	LTE Band 25(2)	Rear	0.077	0.039	0.116
	LTE Band 7			0.000	0.077
	LTE Band 66			0.042	0.119
NR Band 7	LTE Band 26(5)	Rear	0.035	0.041	0.076
	LTE Band 12			0.060	0.095
NR Band 12	LTE Band 25(2)	Rear	0.119	0.039	0.158
	LTE Band 66			0.042	0.161
NR Band 13	LTE Band 66	Rear	0.08	0.042	0.122
NR Band 66	LTE Band 26(5)	Rear	0.043	0.041	0.084
	LTE Band 12			0.060	0.103
	LTE Band 13			0.053	0.096
	LTE Band 14			0.057	0.100
NR Band 71	LTE Band 25(2)	Rear	0.131	0.039	0.170
	LTE Band 7			0.000	0.131
	LTE Band 66			0.042	0.173
NR Band 77(78)	LTE Band 25(2)	Rear	0.045	0.039	0.084
	LTE Band 26(5)			0.041	0.086
	LTE Band 12			0.060	0.105
	LTE Band 7			0.000	0.045
	LTE Band 41(38)			0.000	0.045
	LTE Band 66			0.042	0.087

15. 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.

16. SAR Test Equipment

Manufacturer	Type / Model	S/N	Calib. Date	Calib.Interval	Calib.Due
SPEAG	ELI Phantom	-	N/A	N/A	N/A
HP	SAR System Control PC	-	N/A	N/A	N/A
Staubli	CS8Cspeag-TX90	F17/ 59RAA1/ C/ 01	N/A	N/A	N/A
N/A	TX90 XLSpeag	F17/ 59RAA1/ A/ 01	N/A	N/A	N/A
N/A	Teach Pendant (Joystick)	D21142606B	N/A	N/A	N/A
TESTO	175-H1/Thermometer	40331922309	12/25/2024	Annual	12/25/2025
SPEAG	DAE4	466	09/03/2024	Annual	09/03/2025
SPEAG	E-Field Probe EX3DV4	7622	11/22/2024	Annual	11/22/2025
SPEAG	Dipole D750V3	1014	05/20/2024	Annual	05/20/2025
SPEAG	Dipole D835V2	441	04/18/2024	Annual	04/18/2025
SPEAG	Dipole D1800V2	2d007	04/15/2024	Annual	04/15/2025
SPEAG	Dipole D1900V2	5d032	01/18/2024	Annual	01/18/2025
SPEAG	Dipole D2600V2	1015	04/22/2024	Annual	04/22/2025
SPEAG	Dipole D3500V2	1132	01/23/2024	Annual	01/23/2025
SPEAG	Dipole D3700V2	1105	09/18/2024	Annual	09/18/2025
SPEAG	Dipole D3900V2	1086	05/21/2024	Annual	05/21/2025
Agilent	Power Meter E4419B	MY41291386	09/11/2024	Annual	09/11/2025
Agilent	Power Sensor 8481A	SG1091286	09/12/2024	Annual	09/12/2025
Agilent	11636B/Power Divider	58698	01/13/2025	Annual	01/13/2026
SPEAG	DAKS 3.5	1031	04/22/2024	Annual	04/22/2025
SPEAG	Vector Reflectometer	0050813	04/15/2024	Annual	04/15/2025
SPEAG	MXA Signal Analyzer	US51350329	04/23/2024	Annual	04/23/2025
H.P	Network Analyzer /8753ES	8753E	08/20/2024	Annual	08/20/2025
Agilent	WIRELESS COMMUNICATION E5515C	MY48360252	07/29/2024	Annual	07/29/2025
R&S	Wireless Communication Test Set CMW500	115733	03/19/2024	Annual	03/19/2025
Agilent	SIGNAL GENERATOR N5182A	MY47070230	03/19/2024	Annual	03/19/2025
EMPOWER	RF Power Amplifier	1084	05/21/2024	Annual	05/21/2025
EMPOWER	RF Power Amplifier	1041D/C0508	05/21/2024	Annual	05/21/2025
EMPOWER	RF Power Amplifier	1011	09/11/2024	Annual	09/11/2025
MICRO LAB	LP Filter / LA-15N	10453	09/11/2024	Annual	09/11/2025
MICRO LAB	LP Filter / LA-30N	-	09/11/2024	Annual	09/11/2025
MICRO LAB	LP Filter / LA-60N	32011	09/11/2024	Annual	09/11/2025
Agilent	Attenuator (3dB) 8693B	MY39260298	08/20/2024	Annual	08/20/2025
HP	Attenuator (20dB) 8493C	09271	08/20/2024	Annual	08/20/2025
Agilent	Directional Bridge 86205A	3140A04581	04/22/2024	Annual	04/22/2025
KEYSIGHT	EXG Vector Signal Generator	MY50350097	03/05/2024	Annual	03/05/2025
HP	Dual Directional Coupler	16072	09/11/2024	Annual	09/11/2025
Anritsu	Radio Communication Test Station MT8000A	6262036812	11/27/2024	Annual	11/27/2025
Anritsu	Radio Communication Tester MT8821C	6201502997	05/21/2024	Annual	05/21/2025

* 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.

17. 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.

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Appendix A. DUT Ant. Information & SETUP PHOTO

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

Report No.
HCT-SR-2503-FC002-P