



FCC RADIO TEST REPORT

FCC ID : GKRCMCN3
Equipment : LCC Module
Brand Name : COMPAL
Model Name : CMC-N3
Applicant : Compal Electronics, Inc.
No.581 & 581-1, Ruiguang Rd., Neihu District, Taipei, (114) Taiwan
Manufacturer : Compal Electronics, Inc.
No.581 & 581-1, Ruiguang Rd., Neihu District, Taipei, (114) Taiwan
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27, Part 90(R), Part 90(S)

The product was received on Mar. 13, 2025 and testing was performed from Apr. 08, 2025 to May 07, 2025. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	7
1.1 Product Feature of Equipment Under Test.....	7
1.2 Modification of EUT	8
1.3 Testing Location	9
1.4 Applicable Standards.....	10
2 Test Configuration of Equipment Under Test	11
2.1 Test Mode.....	11
2.2 Connection Diagram of Test System.....	12
2.3 Support Unit used in test configuration and system	12
2.4 Measurement Results Explanation Example.....	12
2.5 Frequency List of Low/Middle/High Channels	13
3 Conducted Test Items.....	21
3.1 Measuring Instruments	21
3.2 Conducted Output Power and ERP/EIRP	22
3.3 Peak-to-Average Ratio	23
3.4 Occupied Bandwidth.....	24
3.5 Conducted Band Edge	25
3.6 Emission Mask.....	28
3.7 Conducted Spurious Emission	30
3.8 Frequency Stability	31
4 Radiated Test Items	32
4.1 Measuring Instruments	32
4.2 Radiated Spurious Emission Measurement	34
5 List of Measuring Equipment.....	36
6 Measurement Uncertainty	37
Appendix A. Test Results of Conducted Test	
Appendix B. Test Results of Radiated Test	
Appendix C. Test Setup Photographs	



History of this test report

Report No.	Version	Description	Issue Date
FG531227-02B	01	Initial issue of report	Jun. 06, 2025



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Pass	-
	§22.913 (a)(5) §90.635	Effective Radiated Power (Band 5) (Band 26)	Pass	
	§27.50 (b)(10) §27.50 (c)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 17) (Band 71)		
	§24.232 (c) §27.50 (h)(2)	Equivalent Isotropic Radiated Power (Band 2) (Band 25) (Band 7) (Band 38) (Band 41)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)		
	§27.50 (a)(3)	Equivalent Isotropic Radiated Power (Band 30)		
	§90.542 (a)(7)	Effective Radiated Power (Band 14)		
	§27.50 (k)(3)	Equivalent Isotropic Radiated Power (Band 42)		
	§27.50 (j)(3)	Equivalent Isotropic Radiated Power (Band 43)		
3.3	§24.232 (d) §27.50 (d)(5) §27.50 (k)(4) §27.50 (j)(4)	Peak-to-Average Ratio	Pass	-
3.4	§2.1049	Occupied Bandwidth	Pass	-
3.5	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2)(4) §27.53 (g) §27.53 (h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (Band 7) (Band 38) (Band 41)		
	§2.1051 §27.53 (a)(4)	Conducted Band Edge Measurement (Band 30)		
	§2.1051 §90.543 (e)(2)	Conducted Band Edge Measuremen (Band 14)		
	§2.1051 §27.53 (n)(2)	Conducted Band Edge Measurement (Band 42)		
	§2.1051 §27.53 (l)(2)	Conducted Band Edge Measuremen (Band 43)		
3.6	§2.1051 §90.210 (n)	Emission Mask (Band 14)	Pass	-
	§2.1051 §90.691	Emission masks (Band 26)		



Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.7	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (g) §27.53 (h) §90.691	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (Band 7) (Band 38) (Band 41)		
	§2.1051 §27.53 (a)(4)	Conducted Spurious Emission (Band 30)		
	§2.1051 §90.543 (e)(3)	Conducted Spurious Emission (Band 14)		
	§2.1051 §27.53 (n)(2)	Conducted Spurious Emission (Band 42)		
	§2.1051 §27.53 (l)(2)	Conducted Spurious Emission (Band 43)		
	§2.1055 §22.355 §24.235 §27.54 §90.539 (e) §90.213	Frequency Stability Temperature & Voltage	Pass	-

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
4.2	§2.1053 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (f) §27.53 (g) §27.53 (h) §90.691	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71)	Pass	-
	§2.1053 §27.53 (m)(4)	Radiated Spurious Emission (Band 7) (Band 38) (Band 41)		
	§2.1053 §27.53 (a)(4)	Radiated Spurious Emission (Band 30)		
	§2.1053 §90.543 (e)(3) §90.543 (f)	Radiated Spurious Emission (Band 14)		
	§2.1053 §27.53 (n)(2)	Radiated Spurious Emission (Band 42)		
	§2.1051 §27.53 (l)(2)	Radiated Spurious Emission (Band 43)		

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Keven Cheng

Report Producer: Ming Chen



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs	LTE/5G NR /5G NR Red Cap and GNSS.

Support band and evaluated information	
Supported band	B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B30, B38, B41, B42, B43, B66, B71
Evaluated and Tested band	B7, B12, B13, B14, B25, B26, B30, B41, B42, B43, B66, B71,
Band covered information	Wider operating frequency band range covers narrower one when the power is worse as follows: ■ B26 cover B5 (Part 22) ■ B25 cover B2 (Part 24) ■ B66 cover B4 (Part 27) ■ B12 cover B17 (Part 27) ■ B41 cover B38 (Part 27)

FDD/TDD band Power Class				
	SISO PC3	SISO PC2		
B2	V			
B4	V			
B5	V			
B7	V			
B12	V			
B13	V			
B14	V			
B17	V			
B25	V			
B26	V			
B30	V			
B38	V			
B41	V	V		
B42	V			
B43	V			
B66	V			
B71	V			



RF Exposure Max Antenna Gain information(dBi)							
Band	Ant0						Main Ant. #
B2	8.5						0
B4	5.5						0
B5	9.9						0
B7	8.5						0
B12	9.1						0
B13	9.6						0
B14	9.7						0
B17	9.1						0
B25	8.5						0
B26	9.9						0
B30	0						0
B38	6						0
B41(PC2)	6						0
B42	7						0
B43	7						0
B66	5.5						0
B71	8.9						0

Remark: The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

1.2 Modification of EUT

No modifications made to the EUT during the testing.



1.3 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No. TH03-HY
Test Engineer	Yuki Chen
Temperature (°C)	22.3~22.9
Relative Humidity (%)	53.2~55.5

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No. 03CH23-HY (TAF Code: 3786)
Test Engineer	Leo Li, Karl Hou and Lucifer Jiang
Temperature (°C)	19.4~21.1
Relative Humidity (%)	44.7~65.1
Remark	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory.

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: TW1190 and TW3786



1.4 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ ANSI C63.26-2015
- ♦ ANSI / TIA-603-E
- ♦ FCC 47 CFR Part 2, 22(H), 24(E), 27, Part 90(R), Part 90(S)
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.
3. The TAF code is not including all the FCC KDB listed without accreditation.



2 Test Configuration of Equipment Under Test

2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and only the worst case emissions were reported in this report..

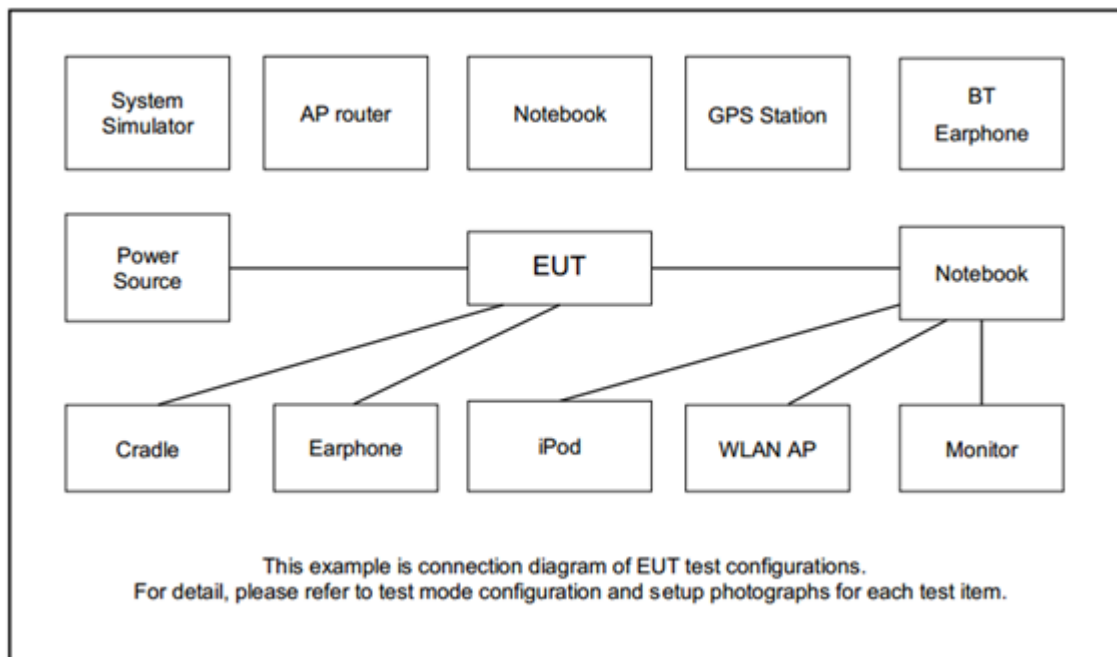
Modulation Type	Modulation
A	QPSK
B	16QAM
C	64QAM

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B, C	All	1, Half, Full	L, M, H
EIRP	A, B, C	All	1, Half, Full	L, M, H
PAR	A, B, C	Max	Full	M
Bandwidth	A, B, C	All	Full	M
CBE, Mask (Part 90)	A, B, C	All	1RB Full	L, H
CSE	A	All	1RB	L, M, H
Frequency Stability	A	10 MHz or less	Full	M
RSE	A	Max	1RB	L, M, H

Remark:

1. Evaluated all the transmitter signal and reporting worst-case configuration among all modulation types.
2. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst-case emissions are reported.
3. One representative bandwidth is selected to perform PAR and frequency stability.
4. For LTE B41 support PC2&PC3 ,The PC2&PC3 have the same modulation, EIRP power and BW. Therefore, the report only performed Higher Conducted power (PC2) test results.

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded,1.8m
2.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded,1.8m

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10dB attenuator.

Example :

$$\begin{aligned}
 \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\
 &= 4.2 + 10 = 14.2 \text{ (dB)}
 \end{aligned}$$



2.5 Frequency List of Low/Middle/High Channels

LTE Band 2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	18700	18900	19100
	Frequency	1860	1880	1900
15	Channel	18675	18900	19125
	Frequency	1857.5	1880	1902.5
10	Channel	18650	18900	19150
	Frequency	1855	1880	1905
5	Channel	18625	18900	19175
	Frequency	1852.5	1880	1907.5
3	Channel	18615	18900	19185
	Frequency	1851.5	1880	1908.5
1.4	Channel	18607	18900	19193
	Frequency	1850.7	1880	1909.3

LTE Band 4 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20050	20175	20300
	Frequency	1720	1732.5	1745
15	Channel	20025	20175	20325
	Frequency	1717.5	1732.5	1747.5
10	Channel	20000	20175	20350
	Frequency	1715	1732.5	1750
5	Channel	19975	20175	20375
	Frequency	1712.5	1732.5	1752.5
3	Channel	19965	20175	20385
	Frequency	1711.5	1732.5	1753.5
1.4	Channel	19957	20175	20393
	Frequency	1710.7	1732.5	1754.3



LTE Band 5 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	20450	20525	20600
	Frequency	829	836.5	844
5	Channel	20425	20525	20625
	Frequency	826.5	836.5	846.5
3	Channel	20415	20525	20635
	Frequency	825.5	836.5	847.5
1.4	Channel	20407	20525	20643
	Frequency	824.7	836.5	848.3

LTE Band 7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20850	21100	21350
	Frequency	2510	2535	2560
15	Channel	20825	21100	21375
	Frequency	2507.5	2535	2562.5
10	Channel	20800	21100	21400
	Frequency	2505	2535	2565
5	Channel	20775	21100	21425
	Frequency	2502.5	2535	2567.5

LTE Band 12 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23060	23095	23130
	Frequency	704	707.5	711
5	Channel	23035	23095	23155
	Frequency	701.5	707.5	713.5
3	Channel	23025	23095	23165
	Frequency	700.5	707.5	714.5
1.4	Channel	23017	23095	23173
	Frequency	699.7	707.5	715.3



LTE Band 13 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23230	-
	Frequency	-	782	-
5	Channel	23205	23230	23255
	Frequency	779.5	782	784.5

LTE Band 14 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23330	-
	Frequency	-	793	-
5	Channel	23305	23330	23355
	Frequency	790.5	793	795.5

LTE Band 17 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23780	23790	23800
	Frequency	709	710	711
5	Channel	23755	23790	23825
	Frequency	706.5	710	713.5



LTE Band 25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	26140	26340	26590
	Frequency	1860	1880	1905
15	Channel	26115	26340	26615
	Frequency	1857.5	1880	1907.5
10	Channel	26090	26340	26640
	Frequency	1855	1880	1910
5	Channel	26065	26340	26665
	Frequency	1852.5	1880	1912.5
3	Channel	26055	26340	26675
	Frequency	1851.5	1880	1913.5
1.4	Channel	26047	26340	26683
	Frequency	1850.7	1880	1914.3



LTE Band 26 Channel and Frequency List (Part22H)				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	26865	26915	26965
	Frequency	831.5	836.5	841.5
10	Channel	26840	26915	26990
	Frequency	829.0	836.5	844.0
5	Channel	26815	26915	27015
	Frequency	826.5	836.5	846.5
3	Channel	26805	26915	27025
	Frequency	825.5	836.5	847.5
1.4	Channel	26797	26915	27033
	Frequency	824.7	836.5	848.3

LTE Band 26 Channel and Frequency List (Part90 S)				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	26740	-
	Frequency	-	819	-
5	Channel	26715	26740	26765
	Frequency	816.5	819	821.5
3	Channel	26705	26740	26775
	Frequency	815.5	819	822.5
1.4	Channel	26697	26740	26783
	Frequency	814.7	819	823.3

LTE Band 26 Channel and Frequency List (Part90 S)				
BW [MHz]	Channel/Frequency(MHz)	cross-rule channels		
15	Channel	26765	26790	-
	Frequency	821.5	824	-
10	Channel	-	26790	-
	Frequency	-	824	-
5	Channel	-	26790	-
	Frequency	-	824	-
3	Channel	-	26790	-
	Frequency	-	824	-
1.4	Channel	-	26790	-
	Frequency	-	824	-



LTE Band 30 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	27710	-
	Frequency	-	2310	-
5	Channel	27685	27710	27735
	Frequency	2307.5	2310	2312.5

LTE Band 38 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	37850	38000	38150
	Frequency	2580.0	2595.0	2610.0
15	Channel	37825	38000	38175
	Frequency	2577.5	2595.0	2612.5
10	Channel	37800	38000	38200
	Frequency	2575.0	2595.0	2615.0
5	Channel	37775	38000	38225
	Frequency	2572.5	2595.0	2617.5

LTE Band 41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	39750	40620	41490
	Frequency	2506.0	2593.0	2680.0
15	Channel	39725	40620	41515
	Frequency	2503.5	2593.0	2682.5
10	Channel	39700	40620	41540
	Frequency	2501.0	2593.0	2685.0
5	Channel	39675	40620	41565
	Frequency	2498.5	2593.0	2687.5



LTE Band 42 Channel and Frequency List (Part27Q)				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	42190	42590	42990
	Frequency	3460	3500	3540
15	Channel	42165	42590	43015
	Frequency	3457.5	3500	3542.5
10	Channel	42140	42590	43040
	Frequency	3455	3500	3545
5	Channel	42115	42590	43115
	Frequency	3452.5	3500	3552.5

LTE Band 43 Channel and Frequency List (Part27O)				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	44690	45090	45490
	Frequency	3710	3750	3790
15	Channel	44665	45090	45515
	Frequency	3707.5	3750	3792.5
10	Channel	44640	45090	45540
	Frequency	3705	3750	3795
5	Channel	44615	45090	45565
	Frequency	3702.5	3750	3797.5



LTE Band 66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	132072	132322	132572
	Frequency	1720	1745	1770
15	Channel	132047	132322	132597
	Frequency	1717.5	1745	1772.5
10	Channel	132022	132322	132622
	Frequency	1715	1745	1775
5	Channel	131997	132322	132647
	Frequency	1712.5	1745	1777.5
3	Channel	131987	132322	132657
	Frequency	1711.5	1745	1778.5
1.4	Channel	131979	132322	132665
	Frequency	1710.7	1745	1779.3

LTE Band 71 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	133222	133297	133372
	Frequency	673.0	680.5	688.0
15	Channel	133197	133297	133397
	Frequency	670.5	680.5	690.5
10	Channel	133172	133297	133422
	Frequency	668.0	680.5	693.0
5	Channel	133147	133297	133447
	Frequency	665.5	680.5	695.5

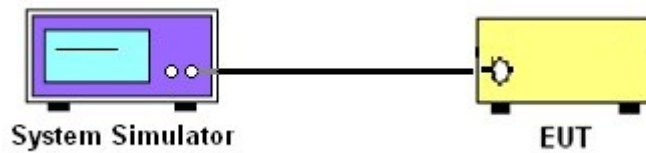
3 Conducted Test Items

3.1 Measuring Instruments

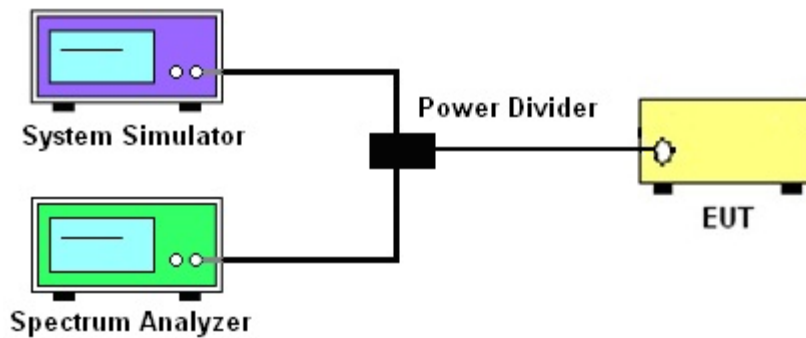
See list of measuring instruments of this test report.

3.1.1 Test Setup

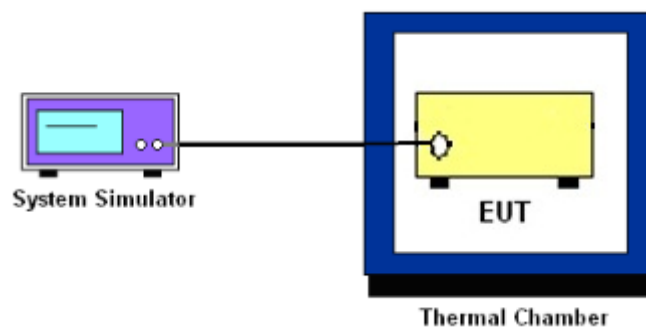
3.1.2 Conducted Output Power



3.1.3 Peak-to-Average Ratio, Occupied Bandwidth ,Conducted Band-Edge, Emission Mask and Conducted Spurious Emission



3.1.4 Frequency Stability



3.1.5 Test Result of Conducted Test

Please refer to Appendix A.



3.2 Conducted Output Power and ERP/EIRP

3.2.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for LTE Band 5, Band 26 (Part 22H)

The output power of mobile transmitters must not exceed 100 Watts for LTE Band 26 (Part 90S)

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12, Band 13, Band 14, Band 17, Band 71

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2, Band 25, Band 7, Band 38, Band 41

The EIRP of mobile transmitters must not exceed 1 Watts for LTE Band 4, Band 66, Band 42, Band 43

The EIRP of mobile transmitters must not exceed 250mW/5MHz for LTE Band 30

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.2.2 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through the system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.



3.3 Peak-to-Average Ratio

3.3.1 Description of the PAR Measurement

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

3.3.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.2.6

1. The EUT was connected to spectrum and system simulator via a power divider.
2. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
3. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
4. Record the deviation as Peak to Average Ratio.



3.4 Occupied Bandwidth

3.4.1 Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

3.4.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.4.3 (26dB) and Section 5.4.4 (99OB)

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
3. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
4. Set the detection mode to peak, and the trace mode to max hold.
5. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.
(this is the reference value)
6. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
7. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
8. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.



3.5 Conducted Band Edge

3.5.1 Description of Conducted Band Edge Measurement

22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (c)

For operations in the 776-788 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed. In addition, the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least $65 + 10 \log_{10} p(\text{watts})$, dB, for mobile and portable equipment.

27.53 (g)

For operations in the 600MHz band and 698-746 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

27.53 (h)

For operations in the 1710 – 1755 MHz band, 1755-1780 MHz, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53(m)(4)

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

27.53 (a)(4)

For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:

- (i) By a factor of not less than: $43 + 10 \log (P)$ dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than $55 + 10 \log (P)$ dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than $61 + 10 \log (P)$ dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than $67 + 10 \log (P)$ dB on all frequencies between 2328 and 2337 MHz.
- (ii) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2300 and 2305 MHz, $55 + 10 \log (P)$ dB on all frequencies between 2296 and 2300 MHz, $61 + 10 \log (P)$ dB on all frequencies between 2292 and 2296 MHz, $67 + 10 \log (P)$ dB on all frequencies between 2288 and 2292 MHz, and $70 + 10 \log (P)$ dB below 2288 MHz.
- (iii) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log (P)$ dB above 2365 MHz.

90.543(e)

- (1) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25 kHz band segment, for base and fixed stations.
- (2) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations.
- (3) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least $43 + 10 \log (P)$ dB.

**27.53 (l)(2)**

For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

27.53 (n)(2)

For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. Set RBW $\geq 1\%$ EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
5. Set spectrum analyzer with RMS detector.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. Checked that all the results comply with the emission limit line.



3.6 Emission Mask

3.6.1 Description of Emissions Mask Measurement

For LTE Band 14

Transmitters designed must meet the emission mask comply with the emission mask provisions of FCC Part 90.210(n).

For LTE Band 26

Equipment used in this licensed to EA or non-EA systems shall comply with the emission mask provisions of FCC Part 90.691

(a) Out-of-band emission requirement shall apply only to the "outer" channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $116 \log_{10}(f/6.1)$ decibels or $50 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.



3.6.2 Test Procedures

For LTE Band 14

The testing follows FCC KDB 971168 D01 v03r01 Section 6.0.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The power of the modulated signal was measured on a spectrum analyzer using an RMS and 10 second sweep time in order to maximize the level.
3. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

For LTE Band 26

1. The EUT was connected to spectrum analyzer and base station via power divider.
2. The emissions mask of low and high channels for the highest RF powers were measured.
3. Set RBW and VBW 3 times of RBW to make the measurement with the spectrum analyzer's, and according to KDB 971168 D02 Misc Rev Approve License Devices v02r01 standards, set RBW = 300 Hz to make offsets less than 37.5 kHz from a channel edge , RBW = 100 kHz to make offsets greater than 37.5 kHz, that is allowed.
4. The test results were shown below plots with a correction offset factor including cable loss, insertion loss of power divider.



3.7 Conducted Spurious Emission

3.7.1 Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For LTE Band 30

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $70 + 10 \log (P)$ dB.

For LTE Band 7, 38, 41

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

3.7.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.
The path loss was compensated to the results for each measurement.
3. The conducted spurious emission for the whole frequency range was taken.
4. Make the measurement with the spectrum analyzer's RBW = 100 kHz if the authorized frequency band/block is at or below 1 GHz and 1 MHz if the authorized frequency band/block is above 1 GHz, VBW = 3 * RBW.
5. Set spectrum analyzer with RMS detector.
6. Taking the record of maximum spurious emission.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

For LTE Band 30

The limit line is derived from $70 + 10\log(P)$ dB below the transmitter power P(Watts)

For LTE Band 7, 38, 41

The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)



3.8 Frequency Stability

3.8.1 Description of Frequency Stability Measurement

22.355

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

24.235 & 27.54

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

3.8.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT was set up in the thermal chamber and connected with the system simulator.
2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in 10°C step up to 50°C . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

3.8.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT was placed in a temperature chamber at $20\pm 5^{\circ}\text{C}$ and connected with the system simulator.
2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

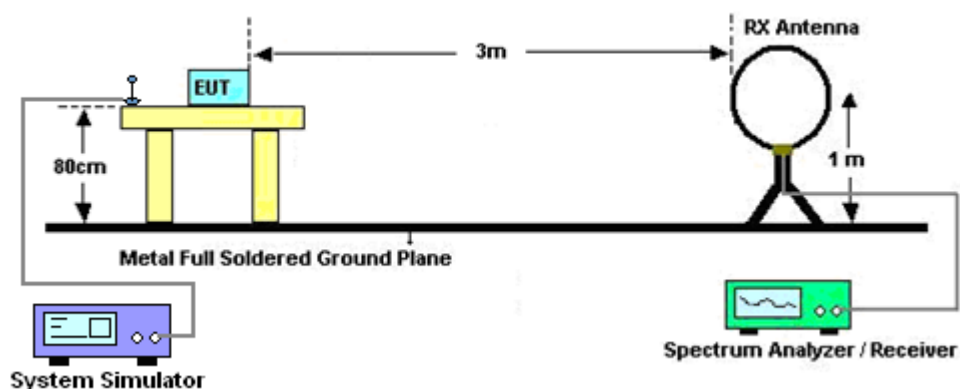
4 Radiated Test Items

4.1 Measuring Instruments

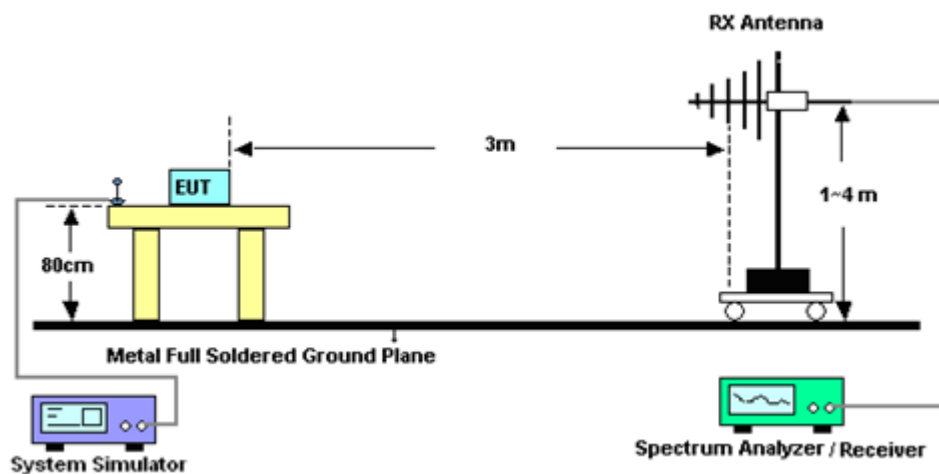
See list of measuring instruments of this test report.

4.1.1 Test Setup

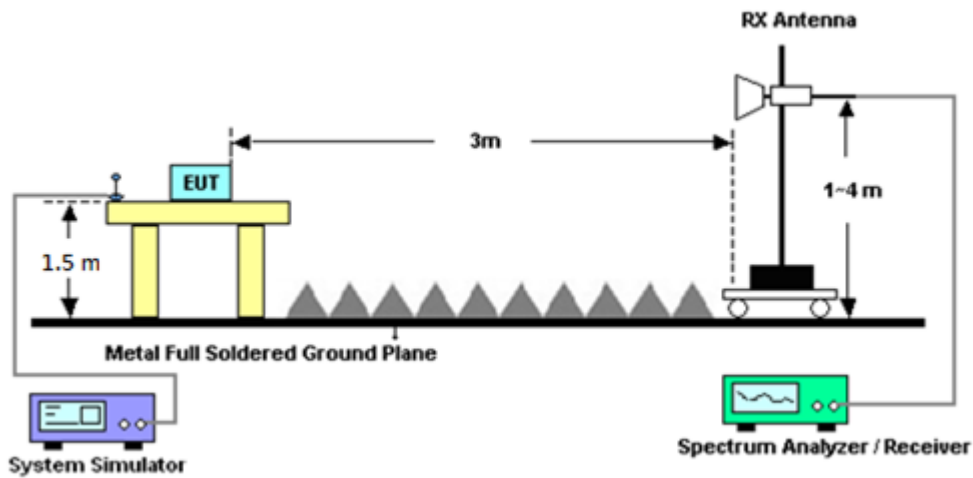
For radiated test below 30MHz



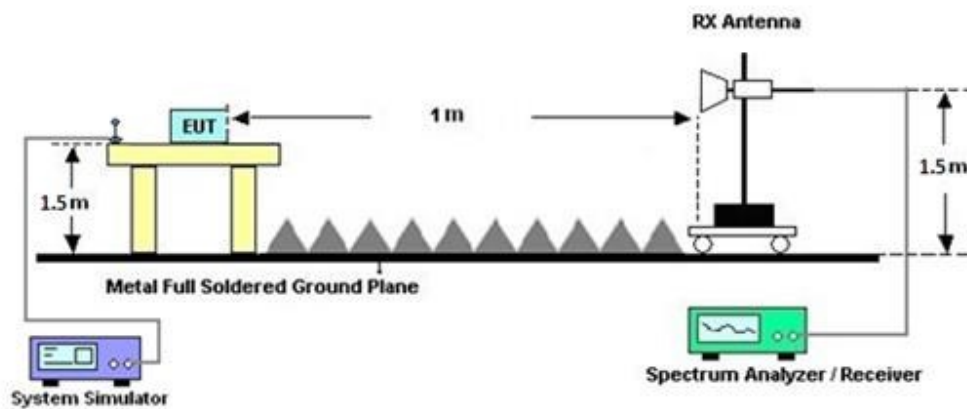
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

Note:

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.



4.2 Radiated Spurious Emission Measurement

4.2.1 Description of Radiated Spurious Emission Measurement

The radiated spurious emission was measured by substitution method according to ANSI / TIA-603-E. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For LTE Band 7, 38, 41

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

For LTE Band 13

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

For LTE Band 30

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $70 + 10 \log (P)$ dB.

For LTE Band 14

For operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559–1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.



4.2.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 7 and ANSI C63.26-2015 section 5.5.4 Radiated measurement using the field strength method.

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. To convert spectrum reading E(dBuV/m) to EIRP(dBm)
$$\text{EIRP(dBm)} = \text{Level (dBuV/m)} + 20\log(d) - 104.77,$$
where d is the distance at which field strength limit is specified in the rules
7. Field Strength Level (dBm) = Spectrum Reading (dBm) + Antenna Factor + Cable Loss + Read Level - Preamp Factor.
8. ERP (dBm) = EIRP (dBm) - 2.15
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
The limit line is derived from $43 + 10\log(P)\text{dB}$ below the transmitter power P(Watts)
For LTE Band 30
The limit line is derived from $70 + 10\log(P)\text{dB}$ below the transmitter power P(Watts)
For LTE Band 7, 38, 41
The limit line is derived from $55 + 10\log(P)\text{dB}$ below the transmitter power P(Watts)



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Aug. 29, 2024	Apr. 11, 2025~ Apr. 30, 2025	Aug. 28, 2025	Radiation (03CH23-HY)
Bilog Antenna	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	62028 & 003	30MHz~1GHz	Nov. 27, 2024	Apr. 11, 2025~ Apr. 30, 2025	Nov. 26, 2025	Radiation (03CH23-HY)
Amplifier	SONOMA	310N	421582	9kHz~1GHz	Jul. 14, 2024	Apr. 11, 2025~ Apr. 30, 2025	Jul. 13, 2025	Radiation (03CH23-HY)
Amplifier	EMEC	EM01G18GA	060878	N/A	Sep. 27, 2024	Apr. 11, 2025~ Apr. 30, 2025	Sep. 26, 2025	Radiation (03CH23-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C05A1 8EN	1GHz~18GHz	Jun. 20, 2024	Apr. 11, 2025~ Apr. 30, 2025	Jun. 19, 2025	Radiation (03CH23-HY)
HF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1224	18GHz~40GHz	Jun. 24, 2024	Apr. 11, 2025~ Apr. 30, 2025	Jun. 23, 2025	Radiation (03CH23-HY)
Preamplifier	EMEC	EM18G40G	060872	18GHz~40GHz	Nov. 29, 2024	Apr. 11, 2025~ Apr. 30, 2025	Nov. 28, 2025	Radiation (03CH23-HY)
Signal Analyzer	Keysight	N9010B	MY621703 37	N/A	Aug. 21, 2024	Apr. 11, 2025~ Apr. 30, 2025	Aug. 20, 2025	Radiation (03CH23-HY)
Hygrometer	TECPEL	DTM-303B	TP211542	N/A	Oct. 24, 2024	Apr. 11, 2025~ Apr. 30, 2025	Oct. 23, 2025	Radiation (03CH23-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Apr. 11, 2025~ Apr. 30, 2025	N/A	Radiation (03CH23-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Apr. 11, 2025~ Apr. 30, 2025	N/A	Radiation (03CH23-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Apr. 11, 2025~ Apr. 30, 2025	N/A	Radiation (03CH23-HY)
Software	Audix	E3 6.09824_2019 122	RK-00234 8	N/A	N/A	Apr. 11, 2025~ Apr. 30, 2025	N/A	Radiation (03CH23-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 06, 2024	Apr. 11, 2025~ Mar. 04, 2025	Mar. 05, 2025	Radiation (03CH23-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 05, 2025	Mar. 05, 2025~ Apr. 30, 2025	Mar. 04, 2026	Radiation (03CH23-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804395/2	N/A	Nov. 26, 2024	Apr. 11, 2025~ Apr. 30, 2025	Nov. 25, 2025	Radiation (03CH23-HY)
RF Cable	EMC	EMC101Y	231115/23 1119/2311 22	N/A	Nov. 26, 2024	Apr. 11, 2025~ Apr. 30, 2025	Nov. 25, 2025	Radiation (03CH23-HY)
Radio Communication Analyzer	Anritsu	MT8821C	626202535 3	LTE FDD/TDD LTE-2CC DLCA/ULCA	Oct. 01, 2024	Apr. 08, 2025~ May 07, 2025	Sep. 30, 2025	Conducted (TH03-HY)
Thermal Chamber	ESPEC	SH-641	92013720	-40℃ ~90℃	Sep. 06, 2024	Apr. 08, 2025~ May 07, 2025	Sep. 05, 2025	Conducted (TH03-HY)
DC Power Supply	GW Instek	GPP-2323	GES90603 7	0V~64V : 0A~6A	Nov. 27, 2024	Apr. 08, 2025~ May 07, 2025	Nov. 26, 2025	Conducted (TH03-HY)
Coupler+10dB+ RFcable	Warison + WoKen + E-Instrument	20dB 25W SMA Directional Coupler+ 10dB 18GHz_5W+S FL405_1.5M	#A+#1+#1 +#7	1-18GHz	Jan. 03, 2025	Apr. 08, 2025~ May 07, 2025	Jan. 02, 2026	Conducted (TH03-HY)
Power divider	Anritsu	K241C	2143398	9KHz~40GHz	Jun. 13, 2024	Apr. 08, 2025~ May 07, 2025	Jun. 12, 2025	Conducted (TH03-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101905	10Hz~40GHz	Jul. 11, 2024	Apr. 08, 2025~ May 07, 2025	Jul. 10, 2025	Conducted (TH03-HY)
Software	Sporton	LTE Conducted Test Tools	N/A	Conducted Test Item	N/A	Apr. 08, 2025~ May 07, 2025	N/A	Conducted (TH03-HY)
Hygrometer	TECPEL	DTM-303B	TP210073	-10 ~ 50℃ / 20 ~ 95%RH	Jun. 05, 2024	Apr. 08, 2025~ May 07, 2025	Jun. 04, 2025	Conducted (TH03-HY)



6 Measurement Uncertainty

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.6 dB
---	--------

Uncertainty of Radiated Emission Measurement (1 GHz ~ 6 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.4 dB
---	--------

Uncertainty of Radiated Emission Measurement (6 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.8 dB
---	--------

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.7 dB
---	--------



Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power & ERP/EIRP)

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 8.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.50	24.45	24.39	33.00	1.9953
20	1	49		24.45	24.43	24.37		
20	1	99		24.39	24.37	24.42		
20	50	0		23.36	23.36	23.47		
20	50	24		23.50	23.47	23.42		
20	50	50		23.47	23.41	23.43		
20	100	0		23.37	23.45	23.46		
20	1	0	16-QAM	23.34	23.39	23.28	31.99	1.5812
20	1	49		23.34	23.29	23.31		
20	1	99		23.31	23.49	23.49		
20	50	0		22.37	22.37	22.47		
20	50	24		22.36	22.49	22.44		
20	50	50		22.49	22.43	22.45		
20	100	0		22.36	22.47	22.47		
20	1	0	64-QAM	22.27	22.46	22.41	31.00	1.2589
20	1	49		22.50	22.46	22.42		
20	1	99		22.38	22.48	22.37		
20	50	0		21.37	21.49	21.46		
20	50	24		21.50	21.46	21.43		
20	50	50		21.46	21.41	21.43		
20	100	0		21.50	21.45	21.46		
Limit	EIRP < 2W			Result			Pass	



LTE Band 2 Maximum Average Power [dBm] (GT - LC = 8.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	24.45	24.41	24.35	32.95	1.9724
15	1	37		24.43	24.37	24.36		
15	1	74		24.36	24.34	24.35		
15	36	0		23.41	23.38	23.29		
15	36	20		23.34	23.34	23.32		
15	36	39		23.37	23.31	23.35		
15	75	0		23.39	23.36	23.34		
15	1	0	16-QAM	23.47	23.47	23.38	31.97	1.5740
15	1	37		23.45	23.39	23.41		
15	1	74		23.43	23.37	23.37		
15	36	0		22.39	22.37	22.28		
15	36	20		22.33	22.33	22.30		
15	36	39		22.36	22.31	22.33		
15	75	0		22.35	22.35	22.31		
15	1	0	64-QAM	22.48	22.40	22.49	30.99	1.2560
15	1	37		22.41	22.49	22.47		
15	1	74		22.36	22.49	22.48		
15	36	0		21.40	21.39	21.31		
15	36	20		21.37	21.35	21.32		
15	36	39		21.38	21.33	21.34		
15	75	0		21.33	21.34	21.30		
Limit	EIRP < 2W			Result			Pass	



LTE Band 2 Maximum Average Power [dBm] (GT - LC = 8.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.43	24.41	24.35	32.93	1.9634
10	1	25		24.31	24.35	24.36		
10	1	49		24.39	24.33	24.37		
10	25	0		23.44	23.43	23.37		
10	25	12		23.41	23.40	23.40		
10	25	25		23.41	23.38	23.39		
10	50	0		23.44	23.41	23.37		
10	1	0	16-QAM	23.47	23.46	23.45	31.99	1.5812
10	1	25		23.41	23.42	23.43		
10	1	49		23.49	23.43	23.45		
10	25	0		22.45	22.42	22.37		
10	25	12		22.40	22.39	22.39		
10	25	25		22.39	22.38	22.37		
10	50	0		22.44	22.42	22.36		
10	1	0	64-QAM	22.47	22.39	22.48	31.00	1.2589
10	1	25		22.49	22.49	22.36		
10	1	49		22.50	22.49	22.49		
10	25	0		21.43	21.40	21.36		
10	25	12		21.38	21.37	21.38		
10	25	25		21.35	21.35	21.37		
10	50	0		21.40	21.38	21.34		
Limit	EIRP < 2W			Result			Pass	



LTE Band 2 Maximum Average Power [dBm] (GT - LC = 8.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	24.46	24.41	24.40	32.96	1.9770
5	1	12		24.44	24.42	24.40		
5	1	24		24.41	24.39	24.37		
5	12	0		23.50	23.45	23.42		
5	12	7		23.45	23.42	23.40		
5	12	13		23.41	23.40	23.39		
5	25	0		23.49	23.47	23.42		
5	1	0	16-QAM	23.48	23.47	23.47	31.99	1.5812
5	1	12		23.49	23.48	23.49		
5	1	24		23.47	23.49	23.45		
5	12	0		22.50	22.46	22.43		
5	12	7		22.46	22.42	22.39		
5	12	13		22.42	22.42	22.39		
5	25	0		22.50	22.45	22.42		
5	1	0	64-QAM	22.49	22.45	22.42	30.99	1.2560
5	1	12		22.46	22.42	22.41		
5	1	24		22.41	22.42	22.40		
5	12	0		21.40	21.37	21.36		
5	12	7		21.36	21.48	21.48		
5	12	13		21.44	21.47	21.46		
5	25	0		21.49	21.46	21.45		
Limit	EIRP < 2W			Result			Pass	



LTE Band 2 Maximum Average Power [dBm] (GT - LC = 8.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	24.40	24.35	24.35	32.90	1.9498
3	1	8		24.32	24.34	24.33		
3	1	14		24.37	24.32	24.34		
3	8	0		23.40	23.37	23.36		
3	8	4		23.38	23.36	23.33		
3	8	7		23.37	23.34	23.30		
3	15	0		23.36	23.34	23.32		
3	1	0	16-QAM	23.41	23.42	23.37	31.92	1.5560
3	1	8		23.36	23.36	23.34		
3	1	14		23.36	23.40	23.37		
3	8	0		22.47	22.43	22.41		
3	8	4		22.43	22.40	22.38		
3	8	7		22.43	22.40	22.37		
3	15	0		22.41	22.37	22.36		
3	1	0	64-QAM	22.48	22.36	22.46	30.99	1.2560
3	1	8		22.49	22.49	22.43		
3	1	14		22.37	22.36	22.44		
3	8	0		21.42	21.39	21.39		
3	8	4		21.40	21.38	21.36		
3	8	7		21.39	21.37	21.35		
3	15	0		21.37	21.34	21.33		
Limit	EIRP < 2W			Result			Pass	



LTE Band 2 Maximum Average Power [dBm] (GT - LC = 8.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	24.29	24.23	24.23	32.79	1.9011
1.4	1	3		24.19	24.15	24.23		
1.4	1	5		24.22	24.18	24.14		
1.4	3	0		23.28	23.25	23.23		
1.4	3	1		23.26	23.18	23.13		
1.4	3	3		23.22	23.14	23.13		
1.4	6	0		23.21	23.19	23.22		
1.4	1	0	16-QAM	23.23	23.22	23.25	31.77	1.5031
1.4	1	3		23.17	23.17	23.16		
1.4	1	5		23.24	23.24	23.27		
1.4	3	0		22.29	22.23	22.21		
1.4	3	1		22.26	22.25	22.26		
1.4	3	3		22.28	22.24	22.27		
1.4	6	0		22.28	22.26	22.19		
1.4	1	0	64-QAM	22.33	22.19	22.29	30.87	1.2218
1.4	1	3		22.29	22.37	22.25		
1.4	1	5		22.17	22.16	22.30		
1.4	3	0		21.30	21.28	21.24		
1.4	3	1		21.24	21.23	21.25		
1.4	3	3		21.20	21.24	21.23		
1.4	6	0		21.23	21.23	21.17		
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 8.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.24	24.16	24.11	32.74	1.8793
20	1	49		24.20	24.19	24.14		
20	1	99		24.13	24.11	24.12		
20	50	0		23.29	23.25	23.15		
20	50	24		23.25	23.23	23.15		
20	50	50		23.25	23.19	23.13		
20	100	0		23.25	23.19	23.13		
20	1	0	16-QAM	23.45	23.48	23.37	32.00	1.5849
20	1	49		23.50	23.44	23.39		
20	1	99		23.43	23.38	23.38		
20	50	0		22.30	22.23	22.16		
20	50	24		22.28	22.25	22.18		
20	50	50		22.26	22.20	22.14		
20	100	0		22.25	22.20	22.14		
20	1	0	64-QAM	22.37	22.33	22.22	30.88	1.2246
20	1	49		22.38	22.36	22.27		
20	1	99		22.24	22.26	22.29		
20	50	0		21.27	21.23	21.14		
20	50	24		21.26	21.22	21.16		
20	50	50		21.22	21.19	21.12		
20	100	0		21.23	21.18	21.12		
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 8.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	24.20	24.20	24.18	32.70	1.8621
15	1	37		24.15	24.13	24.19		
15	1	74		24.13	24.20	24.18		
15	36	0		23.26	23.23	23.17		
15	36	20		23.23	23.21	23.16		
15	36	39		23.24	23.19	23.18		
15	75	0		23.28	23.25	23.19		
15	1	0	16-QAM	23.45	23.47	23.42	31.98	1.5776
15	1	37		23.46	23.45	23.38		
15	1	74		23.48	23.44	23.39		
15	36	0		22.22	22.20	22.14		
15	36	20		22.20	22.19	22.13		
15	36	39		22.23	22.18	22.15		
15	75	0		22.24	22.22	22.15		
15	1	0	64-QAM	22.40	22.36	22.30	30.90	1.2303
15	1	37		22.36	22.36	22.31		
15	1	74		22.33	22.34	22.36		
15	36	0		21.26	21.23	21.17		
15	36	20		21.24	21.21	21.18		
15	36	39		21.26	21.19	21.19		
15	75	0		21.22	21.20	21.15		
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 8.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.22	24.20	24.13	32.72	1.8707
10	1	25		24.18	24.18	24.13		
10	1	49		24.20	24.15	24.13		
10	25	0		23.25	23.25	23.20		
10	25	12		23.21	23.20	23.18		
10	25	25		23.24	23.21	23.17		
10	50	0		23.28	23.24	23.17		
10	1	0	16-QAM	23.42	23.45	23.41	31.98	1.5776
10	1	25		23.38	23.40	23.39		
10	1	49		23.48	23.45	23.39		
10	25	0		22.27	22.23	22.19		
10	25	12		22.21	22.18	22.18		
10	25	25		22.23	22.19	22.16		
10	50	0		22.24	22.23	22.16		
10	1	0	64-QAM	22.33	22.32	22.25	30.86	1.2190
10	1	25		22.31	22.32	22.33		
10	1	49		22.36	22.30	22.29		
10	25	0		21.21	21.22	21.17		
10	25	12		21.19	21.19	21.16		
10	25	25		21.19	21.17	21.14		
10	50	0		21.22	21.18	21.15		
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 8.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	24.18	24.17	24.09	32.68	1.8535
5	1	12		24.15	24.13	24.07		
5	1	24		24.17	24.12	24.04		
5	12	0		23.18	23.19	23.14		
5	12	7		23.15	23.15	23.10		
5	12	13		23.14	23.13	23.08		
5	25	0		23.20	23.21	23.17		
5	1	0	16-QAM	23.39	23.42	23.35	31.92	1.5560
5	1	12		23.37	23.42	23.31		
5	1	24		23.36	23.36	23.32		
5	12	0		22.19	22.20	22.14		
5	12	7		22.15	22.16	22.08		
5	12	13		22.15	22.15	22.08		
5	25	0		22.19	22.18	22.12		
5	1	0	64-QAM	22.32	22.29	22.26	30.82	1.2078
5	1	12		22.31	22.30	22.25		
5	1	24		22.28	22.29	22.24		
5	12	0		21.24	21.25	21.20		
5	12	7		21.21	21.21	21.16		
5	12	13		21.20	21.20	21.16		
5	25	0		21.19	21.18	21.14		
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 8.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	24.05	24.05	23.91	32.55	1.7989
3	1	8		23.96	24.01	23.91		
3	1	14		24.05	23.95	23.91		
3	8	0		23.08	23.04	22.98		
3	8	4		22.95	23.02	22.92		
3	8	7		23.00	23.00	22.94		
3	15	0		23.10	23.09	23.07		
3	1	0	16-QAM	23.20	23.23	23.17	31.75	1.4962
3	1	8		23.24	23.25	23.11		
3	1	14		23.21	23.21	23.20		
3	8	0		21.99	22.04	22.00		
3	8	4		21.97	22.01	21.91		
3	8	7		22.01	22.05	21.97		
3	15	0		22.03	22.04	21.94		
3	1	0	64-QAM	22.16	22.13	22.11	30.69	1.1722
3	1	8		22.19	22.12	22.09		
3	1	14		22.15	22.18	22.08		
3	8	0		21.05	21.13	21.00		
3	8	4		21.11	21.02	20.97		
3	8	7		21.04	21.05	21.00		
3	15	0		21.05	21.06	21.02		
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 8.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.98	24.07	23.90	32.57	1.8072
1.4	1	3		24.02	23.96	23.92		
1.4	1	5		24.01	23.96	23.85		
1.4	3	0		23.05	23.06	22.97		
1.4	3	1		23.02	22.97	22.97		
1.4	3	3		22.97	22.95	22.94		
1.4	6	0		23.03	23.04	22.99		
1.4	1	0	16-QAM	23.25	23.27	23.25	31.78	1.5066
1.4	1	3		23.20	23.28	23.21		
1.4	1	5		23.22	23.16	23.21		
1.4	3	0		22.01	22.07	21.99		
1.4	3	1		22.05	22.05	21.97		
1.4	3	3		21.95	22.02	21.90		
1.4	6	0		21.99	22.01	21.96		
1.4	1	0	64-QAM	22.21	22.13	22.16	30.71	1.1776
1.4	1	3		22.21	22.18	22.08		
1.4	1	5		22.11	22.16	22.08		
1.4	3	0		21.06	21.10	21.04		
1.4	3	1		21.07	21.04	21.00		
1.4	3	3		21.06	21.04	21.01		
1.4	6	0		21.03	21.04	20.96		
Limit	EIRP < 2W			Result			Pass	



LTE Band 4 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.25	24.22	24.23	29.75	0.9441
20	1	49		24.24	24.24	24.22		
20	1	99		24.21	24.18	24.17		
20	50	0		23.24	23.31	23.29		
20	50	24		23.27	23.28	23.26		
20	50	50		23.25	23.23	23.27		
20	100	0		23.25	23.26	23.29		
20	1	0	16-QAM	23.50	23.36	23.36	29.00	0.7943
20	1	49		23.37	23.37	23.50		
20	1	99		23.48	23.48	23.46		
20	50	0		22.25	22.35	22.29		
20	50	24		22.29	22.29	22.27		
20	50	50		22.29	22.26	22.28		
20	100	0		22.24	22.28	22.29		
20	1	0	64-QAM	22.41	22.38	22.39	27.91	0.6180
20	1	49		22.40	22.37	22.35		
20	1	99		22.36	22.33	22.30		
20	50	0		21.21	21.31	21.27		
20	50	24		21.26	21.26	21.26		
20	50	50		21.25	21.22	21.25		
20	100	0		21.22	21.25	21.25		
Limit	EIRP < 1W			Result			Pass	



LTE Band 4 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	24.20	24.19	24.19	29.71	0.9354
15	1	37		24.21	24.18	24.19		
15	1	74		24.18	24.17	24.16		
15	36	0		23.25	23.28	23.26		
15	36	20		23.26	23.25	23.24		
15	36	39		23.27	23.25	23.25		
15	75	0		23.29	23.30	23.28		
15	1	0	16-QAM	23.46	23.41	23.41	28.99	0.7925
15	1	37		23.44	23.49	23.47		
15	1	74		23.48	23.49	23.46		
15	36	0		22.24	22.27	22.24		
15	36	20		22.25	22.24	22.21		
15	36	39		22.26	22.23	22.25		
15	75	0		22.22	22.25	22.24		
15	1	0	64-QAM	22.48	22.45	22.42	27.98	0.6281
15	1	37		22.40	22.41	22.39		
15	1	74		22.42	22.38	22.37		
15	36	0		21.25	21.30	21.27		
15	36	20		21.27	21.26	21.26		
15	36	39		21.28	21.26	21.26		
15	75	0		21.25	21.24	21.24		
Limit	EIRP < 1W			Result			Pass	



LTE Band 4 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.24	24.23	24.22	29.74	0.9419
10	1	25		24.24	24.22	24.22		
10	1	49		24.24	24.23	24.21		
10	25	0		23.27	23.29	23.27		
10	25	12		23.27	23.26	23.25		
10	25	25		23.32	23.24	23.26		
10	50	0		23.28	23.28	23.27		
10	1	0	16-QAM	23.50	23.50	23.42	29.00	0.7943
10	1	25		23.45	23.45	23.50		
10	1	49		23.42	23.49	23.48		
10	25	0		22.25	22.29	22.25		
10	25	12		22.27	22.24	22.24		
10	25	25		22.31	22.25	22.26		
10	50	0		22.28	22.26	22.25		
10	1	0	64-QAM	22.41	22.39	22.39	27.92	0.6194
10	1	25		22.35	22.35	22.34		
10	1	49		22.42	22.39	22.36		
10	25	0		21.22	21.26	21.24		
10	25	12		21.27	21.23	21.24		
10	25	25		21.28	21.23	21.24		
10	50	0		21.26	21.25	21.23		
Limit	EIRP < 1W			Result			Pass	



LTE Band 4 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	24.22	24.22	24.22	29.73	0.9397
5	1	12		24.22	24.23	24.21		
5	1	24		24.17	24.22	24.20		
5	12	0		23.25	23.26	23.24		
5	12	7		23.25	23.23	23.21		
5	12	13		23.28	23.23	23.22		
5	25	0		23.30	23.27	23.26		
5	1	0	16-QAM	23.47	23.47	23.50	29.00	0.7943
5	1	12		23.46	23.45	23.49		
5	1	24		23.48	23.47	23.48		
5	12	0		22.27	22.27	22.24		
5	12	7		22.25	22.23	22.22		
5	12	13		22.29	22.24	22.24		
5	25	0		22.29	22.27	22.25		
5	1	0	64-QAM	22.42	22.41	22.37	27.92	0.6194
5	1	12		22.41	22.39	22.35		
5	1	24		22.39	22.37	22.34		
5	12	0		21.33	21.32	21.30		
5	12	7		21.33	21.29	21.28		
5	12	13		21.34	21.28	21.29		
5	25	0		21.27	21.28	21.25		
Limit	EIRP < 1W			Result			Pass	



LTE Band 4 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	24.20	24.18	24.17	29.74	0.9419
3	1	8		24.15	24.17	24.16		
3	1	14		24.18	24.24	24.16		
3	8	0		23.30	23.28	23.26		
3	8	4		23.29	23.25	23.24		
3	8	7		23.29	23.26	23.25		
3	15	0		23.29	23.26	23.24		
3	1	0	16-QAM	23.49	23.41	23.50	29.00	0.7943
3	1	8		23.45	23.45	23.42		
3	1	14		23.43	23.50	23.49		
3	8	0		22.35	22.33	22.32		
3	8	4		22.31	22.29	22.29		
3	8	7		22.36	22.32	22.30		
3	15	0		22.32	22.28	22.27		
3	1	0	64-QAM	22.45	22.39	22.37	27.95	0.6237
3	1	8		22.41	22.36	22.38		
3	1	14		22.44	22.38	22.38		
3	8	0		21.30	21.32	21.30		
3	8	4		21.30	21.27	21.29		
3	8	7		21.31	21.28	21.27		
3	15	0		21.27	21.26	21.24		
Limit	EIRP < 1W			Result			Pass	



LTE Band 4 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	24.05	24.00	24.05	29.57	0.9057
1.4	1	3		23.95	24.01	24.06		
1.4	1	5		24.05	24.07	24.06		
1.4	3	0		23.12	23.18	23.06		
1.4	3	1		23.14	23.13	23.09		
1.4	3	3		23.17	23.12	23.05		
1.4	6	0		23.15	23.14	23.12		
1.4	1	0	16-QAM	23.38	23.28	23.30	28.88	0.7727
1.4	1	3		23.31	23.29	23.27		
1.4	1	5		23.26	23.32	23.31		
1.4	3	0		22.24	22.17	22.13		
1.4	3	1		22.20	22.15	22.19		
1.4	3	3		22.22	22.19	22.15		
1.4	6	0		22.16	22.09	22.16		
1.4	1	0	64-QAM	22.30	22.27	22.24	27.80	0.6026
1.4	1	3		22.27	22.26	22.24		
1.4	1	5		22.27	22.21	22.27		
1.4	3	0		21.18	21.22	21.11		
1.4	3	1		21.10	21.16	21.09		
1.4	3	3		21.16	21.10	21.08		
1.4	6	0		21.17	21.11	21.04		
Limit	EIRP < 1W			Result			Pass	



LTE Band 5 Maximum Average Power [dBm] (GT - LC = 9.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	24.16	24.22	24.22	31.97	1.5740
10	1	25		24.20	24.16	24.15		
10	1	49		24.22	24.21	24.19		
10	25	0		23.25	23.10	23.17		
10	25	12		23.19	23.07	23.19		
10	25	25		23.19	23.11	23.24		
10	50	0		23.23	23.11	23.23		
10	1	0	16-QAM	23.42	23.39	23.31	31.21	1.3213
10	1	25		23.43	23.26	23.34		
10	1	49		23.44	23.31	23.46		
10	25	0		22.23	22.09	22.17		
10	25	12		22.18	22.07	22.18		
10	25	25		22.18	22.12	22.22		
10	50	0		22.21	22.11	22.20		
10	1	0	64-QAM	22.32	22.20	22.29	30.14	1.0328
10	1	25		22.34	22.18	22.28		
10	1	49		22.28	22.25	22.39		
10	25	0		21.24	21.06	21.16		
10	25	12		21.17	21.07	21.17		
10	25	25		21.15	21.11	21.19		
10	50	0		21.20	21.09	21.20		
Limit	ERP < 7W			Result			Pass	



LTE Band 5 Maximum Average Power [dBm] (GT - LC = 9.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	24.18	24.21	24.14	31.96	1.5704
5	1	12		24.17	24.17	24.14		
5	1	24		24.20	24.20	24.16		
5	12	0		23.18	23.06	23.17		
5	12	7		23.15	23.06	23.18		
5	12	13		23.12	23.07	23.22		
5	25	0		23.19	23.09	23.24		
5	1	0	16-QAM	23.40	23.36	23.40	31.22	1.3243
5	1	12		23.36	23.29	23.43		
5	1	24		23.44	23.29	23.47		
5	12	0		22.20	22.08	22.19		
5	12	7		22.15	22.08	22.18		
5	12	13		22.13	22.07	22.21		
5	25	0		22.18	22.09	22.22		
5	1	0	64-QAM	22.33	22.22	22.29	30.14	1.0328
5	1	12		22.31	22.21	22.33		
5	1	24		22.33	22.25	22.39		
5	12	0		21.24	21.12	21.25		
5	12	7		21.22	21.13	21.24		
5	12	13		21.20	21.13	21.28		
5	25	0		21.22	21.09	21.22		
Limit	ERP < 7W			Result			Pass	



LTE Band 5 Maximum Average Power [dBm] (GT - LC = 9.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	24.19	24.14	24.18	31.96	1.5704
3	1	8		24.17	24.18	24.16		
3	1	14		24.20	24.12	24.21		
3	8	0		23.22	23.09	23.20		
3	8	4		23.19	23.09	23.22		
3	8	7		23.18	23.09	23.22		
3	15	0		23.18	23.08	23.21		
3	1	0	16-QAM	23.42	23.34	23.45	31.22	1.3243
3	1	8		23.36	23.27	23.41		
3	1	14		23.38	23.31	23.47		
3	8	0		22.28	22.15	22.27		
3	8	4		22.24	22.13	22.28		
3	8	7		22.24	22.15	22.27		
3	15	0		22.22	22.11	22.25		
3	1	0	64-QAM	22.35	22.24	22.36	30.13	1.0304
3	1	8		22.28	22.22	22.34		
3	1	14		22.37	22.22	22.38		
3	8	0		21.25	21.12	21.25		
3	8	4		21.23	21.13	21.27		
3	8	7		21.22	21.13	21.26		
3	15	0		21.19	21.08	21.24		
Limit	ERP < 7W			Result			Pass	



LTE Band 5 Maximum Average Power [dBm] (GT - LC = 9.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	24.02	24.01	24.00	31.84	1.5276
1.4	1	3		24.07	24.00	24.06		
1.4	1	5		24.09	23.92	24.01		
1.4	3	0		23.03	22.97	23.05		
1.4	3	1		23.06	22.92	23.04		
1.4	3	3		23.01	22.92	23.05		
1.4	6	0		23.06	22.90	23.07		
1.4	1	0	16-QAM	23.30	23.16	23.32	31.10	1.2882
1.4	1	3		23.21	23.16	23.28		
1.4	1	5		23.26	23.17	23.35		
1.4	3	0		22.13	21.98	22.17		
1.4	3	1		22.10	21.95	22.16		
1.4	3	3		22.04	22.04	22.13		
1.4	6	0		22.07	21.93	22.10		
1.4	1	0	64-QAM	22.25	22.06	22.26	30.02	1.0046
1.4	1	3		22.14	22.12	22.24		
1.4	1	5		22.20	22.10	22.27		
1.4	3	0		21.11	21.01	21.12		
1.4	3	1		21.12	21.02	21.09		
1.4	3	3		21.10	20.99	21.12		
1.4	6	0		21.04	20.95	21.07		
Limit	ERP < 7W			Result			Pass	



LTE Band 7 Maximum Average Power [dBm] (GT - LC = 8.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.33	24.50	24.26	33.00	1.9953
20	1	49		24.47	24.43	24.45		
20	1	99		24.50	24.47	24.35		
20	50	0		23.49	23.45	23.47		
20	50	24		23.50	23.47	23.45		
20	50	50		23.36	23.44	23.41		
20	100	0		23.41	23.49	23.46		
20	1	0	16-QAM	23.46	23.47	23.45	31.97	1.5740
20	1	49		23.38	23.30	23.35		
20	1	99		23.42	23.38	23.43		
20	50	0		22.41	22.49	22.47		
20	50	24		22.42	22.49	22.48		
20	50	50		22.49	22.45	22.43		
20	100	0		22.42	22.50	22.47		
20	1	0	64-QAM	22.44	22.44	22.48	30.98	1.2531
20	1	49		22.31	22.27	22.26		
20	1	99		22.34	22.35	22.37		
20	50	0		21.50	21.47	21.45		
20	50	24		21.41	21.48	21.44		
20	50	50		21.47	21.43	21.41		
20	100	0		21.42	21.49	21.46		
Limit	EIRP < 2W			Result			Pass	



LTE Band 7 Maximum Average Power [dBm] (GT - LC = 8.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	24.34	24.33	24.26	32.98	1.9861
15	1	37		24.41	24.41	24.39		
15	1	74		24.48	24.46	24.46		
15	36	0		23.37	23.36	23.33		
15	36	20		23.40	23.38	23.38		
15	36	39		23.46	23.42	23.42		
15	75	0		23.43	23.40	23.40		
15	1	0	16-QAM	23.38	23.39	23.50	32.00	1.5849
15	1	37		23.41	23.41	23.44		
15	1	74		23.48	23.47	23.49		
15	36	0		22.36	22.34	22.32		
15	36	20		22.39	22.37	22.36		
15	36	39		22.45	22.41	22.41		
15	75	0		22.39	22.38	22.39		
15	1	0	64-QAM	22.39	22.37	22.46	30.99	1.2560
15	1	37		22.43	22.41	22.39		
15	1	74		22.49	22.48	22.46		
15	36	0		21.38	21.38	21.37		
15	36	20		21.41	21.40	21.39		
15	36	39		21.49	21.43	21.45		
15	75	0		21.41	21.37	21.37		
Limit	EIRP < 2W			Result			Pass	



LTE Band 7 Maximum Average Power [dBm] (GT - LC = 8.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.29	24.31	24.30	32.94	1.9679
10	1	25		24.30	24.33	24.31		
10	1	49		24.42	24.37	24.44		
10	25	0		23.38	23.38	23.41		
10	25	12		23.37	23.38	23.39		
10	25	25		23.43	23.43	23.44		
10	50	0		23.38	23.41	23.44		
10	1	0	16-QAM	23.42	23.46	23.45	31.98	1.5776
10	1	25		23.40	23.43	23.48		
10	1	49		23.47	23.41	23.47		
10	25	0		22.37	22.37	22.40		
10	25	12		22.38	22.38	22.39		
10	25	25		22.43	22.43	22.43		
10	50	0		22.39	22.41	22.44		
10	1	0	64-QAM	22.42	22.37	22.36	31.00	1.2589
10	1	25		22.42	22.39	22.42		
10	1	49		22.50	22.48	22.50		
10	25	0		21.36	21.36	21.38		
10	25	12		21.37	21.36	21.38		
10	25	25		21.42	21.40	21.40		
10	50	0		21.39	21.37	21.41		
Limit	EIRP < 2W			Result			Pass	



LTE Band 7 Maximum Average Power [dBm] (GT - LC = 8.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	24.40	24.40	24.39	32.98	1.9861
5	1	12		24.41	24.41	24.45		
5	1	24		24.41	24.45	24.48		
5	12	0		23.45	23.47	23.50		
5	12	7		23.44	23.45	23.46		
5	12	13		23.46	23.47	23.36		
5	25	0		23.48	23.49	23.36		
5	1	0	16-QAM	23.47	23.43	23.49	31.99	1.5812
5	1	12		23.46	23.46	23.46		
5	1	24		23.48	23.46	23.43		
5	12	0		22.47	22.47	22.50		
5	12	7		22.44	22.45	22.46		
5	12	13		22.46	22.47	22.50		
5	25	0		22.49	22.48	22.36		
5	1	0	64-QAM	22.48	22.45	22.45	30.99	1.2560
5	1	12		22.48	22.46	22.49		
5	1	24		22.47	22.47	22.46		
5	12	0		21.36	21.38	21.40		
5	12	7		21.36	21.36	21.39		
5	12	13		21.36	21.35	21.42		
5	25	0		21.50	21.49	21.37		
Limit	EIRP < 2W			Result			Pass	



LTE Band 12 Maximum Average Power [dBm] (GT - LC = 9.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	24.21	24.20	24.24	31.20	1.3183
10	1	25		24.25	24.15	24.07		
10	1	49		24.16	24.17	24.04		
10	25	0		23.19	23.22	23.23		
10	25	12		23.22	23.21	23.10		
10	25	25		23.19	23.14	23.09		
10	50	0		23.20	23.15	23.13		
10	1	0	16-QAM	23.36	23.38	23.40	30.35	1.0839
10	1	25		23.32	23.30	23.30		
10	1	49		23.37	23.36	23.38		
10	25	0		22.19	22.25	22.17		
10	25	12		22.20	22.18	22.11		
10	25	25		22.20	22.14	22.06		
10	50	0		22.25	22.21	22.09		
10	1	0	64-QAM	22.33	22.40	22.38	29.35	0.8610
10	1	25		22.26	22.32	22.16		
10	1	49		22.25	22.29	22.21		
10	25	0		21.15	21.23	21.15		
10	25	12		21.20	21.18	21.08		
10	25	25		21.18	21.14	21.01		
10	50	0		21.21	21.22	21.08		
Limit	ERP < 3W			Result			Pass	



LTE Band 12 Maximum Average Power [dBm] (GT - LC = 9.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	24.10	24.19	24.16	31.16	1.3062
5	1	12		24.13	24.21	24.08		
5	1	24		24.14	24.13	24.06		
5	12	0		23.14	23.20	23.13		
5	12	7		23.14	23.17	23.09		
5	12	13		23.14	23.13	23.06		
5	25	0		23.16	23.21	23.14		
5	1	0	16-QAM	23.40	23.40	23.38	30.35	1.0839
5	1	12		23.39	23.28	23.33		
5	1	24		23.37	23.37	23.24		
5	12	0		22.19	22.19	22.15		
5	12	7		22.21	22.18	22.11		
5	12	13		22.16	22.17	22.08		
5	25	0		22.16	22.19	22.12		
5	1	0	64-QAM	22.29	22.36	22.28	29.33	0.8570
5	1	12		22.38	22.32	22.28		
5	1	24		22.29	22.31	22.21		
5	12	0		21.21	21.25	21.17		
5	12	7		21.23	21.20	21.16		
5	12	13		21.20	21.18	21.12		
5	25	0		21.18	21.21	21.13		
Limit	ERP < 3W			Result			Pass	



LTE Band 12 Maximum Average Power [dBm] (GT - LC = 9.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	24.24	24.33	24.19	31.28	1.3428
3	1	8		24.16	24.28	24.19		
3	1	14		24.17	24.16	24.06		
3	8	0		23.17	23.21	23.15		
3	8	4		23.18	23.20	23.13		
3	8	7		23.21	23.20	23.10		
3	15	0		23.19	23.17	23.10		
3	1	0	16-QAM	23.42	23.35	23.47	30.42	1.1015
3	1	8		23.36	23.35	23.36		
3	1	14		23.32	23.45	23.36		
3	8	0		22.26	22.27	22.25		
3	8	4		22.26	22.21	22.13		
3	8	7		22.29	22.28	22.18		
3	15	0		22.20	22.25	22.15		
3	1	0	64-QAM	22.27	22.42	22.27	29.37	0.8650
3	1	8		22.37	22.27	22.17		
3	1	14		22.34	22.26	22.21		
3	8	0		21.20	21.23	21.14		
3	8	4		21.22	21.17	21.18		
3	8	7		21.26	21.23	21.15		
3	15	0		21.16	21.18	21.09		
Limit	ERP < 3W			Result			Pass	



LTE Band 12 Maximum Average Power [dBm] (GT - LC = 9.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	24.09	24.16	24.08	31.14	1.3002
1.4	1	3		24.02	24.15	24.12		
1.4	1	5		24.16	24.19	24.15		
1.4	3	0		24.09	24.14	24.03		
1.4	3	1		24.06	24.10	24.00		
1.4	3	3		24.03	24.10	24.08		
1.4	6	0		23.10	23.15	23.06		
1.4	1	0	16-QAM	23.45	23.27	23.28	30.40	1.0965
1.4	1	3		23.31	23.32	23.37		
1.4	1	5		23.41	23.40	23.45		
1.4	3	0		23.28	23.16	23.05		
1.4	3	1		23.11	23.16	23.00		
1.4	3	3		23.13	23.21	23.16		
1.4	6	0		22.31	22.23	22.20		
1.4	1	0	64-QAM	22.26	22.50	22.26	29.45	0.8810
1.4	1	3		22.31	22.39	22.15		
1.4	1	5		22.34	22.37	22.25		
1.4	3	0		22.17	22.26	22.08		
1.4	3	1		22.19	22.34	22.19		
1.4	3	3		22.32	22.28	22.16		
1.4	6	0		21.09	21.15	21.16		
Limit	ERP < 3W			Result			Pass	



LTE Band 13 Maximum Average Power [dBm] (GT - LC = 9.6 dB)									
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)	
10	1	0	QPSK	-	24.50	-	31.95	1.5668	
10	1	25			24.37				
10	1	49			24.44				
10	25	0			23.48				
10	25	12			23.45				
10	25	25			23.47				
10	50	0			23.47				
10	1	0	16-QAM		23.49		-	30.94	1.2417
10	1	25			23.45				
10	1	49			23.49				
10	25	0			22.50				
10	25	12			22.45				
10	25	25			22.45				
10	50	0			22.45				
10	1	0	64-QAM	22.46	-	29.95		0.9886	
10	1	25		22.50					
10	1	49		22.44					
10	25	0		21.47					
10	25	12		21.43					
10	25	25		21.44					
10	50	0		21.43					
Limit	ERP < 3W			Result			Pass		



LTE Band 13 Maximum Average Power [dBm] (GT - LC = 9.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	24.42	24.45	24.37	31.92	1.5560
5	1	12		24.45	24.38	24.39		
5	1	24		24.42	24.40	24.47		
5	12	0		23.50	23.47	23.38		
5	12	7		23.49	23.39	23.41		
5	12	13		23.46	23.41	23.48		
5	25	0		23.50	23.48	23.43		
5	1	0	16-QAM	23.41	23.44	23.43	30.90	1.2303
5	1	12		23.45	23.39	23.43		
5	1	24		23.44	23.44	23.42		
5	12	0		22.43	22.47	22.40		
5	12	7		22.50	22.40	22.42		
5	12	13		22.46	22.42	22.50		
5	25	0		22.42	22.46	22.44		
5	1	0	64-QAM	22.28	22.46	22.46	29.93	0.9840
5	1	12		22.48	22.43	22.45		
5	1	24		22.48	22.46	22.42		
5	12	0		21.43	21.41	21.45		
5	12	7		21.43	21.45	21.46		
5	12	13		21.50	21.45	21.44		
5	25	0		21.41	21.47	21.44		
Limit	ERP < 3W			Result			Pass	



LTE Band 17 Maximum Average Power [dBm] (GT - LC = 9.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	24.50	24.38	24.36	31.45	1.3964
10	1	25		24.45	24.42	24.42		
10	1	49		24.42	24.48	24.47		
10	25	0		23.47	23.47	23.46		
10	25	12		23.46	23.44	23.45		
10	25	25		23.46	23.45	23.45		
10	50	0		23.48	23.47	23.46		
10	1	0	16-QAM	23.33	23.49	23.33	30.44	1.1066
10	1	25		23.40	23.36	23.34		
10	1	49		23.41	23.45	23.44		
10	25	0		22.44	22.45	22.46		
10	25	12		22.46	22.42	22.43		
10	25	25		22.44	22.43	22.43		
10	50	0		22.48	22.46	22.45		
10	1	0	64-QAM	22.42	22.42	22.41	29.45	0.8810
10	1	25		22.48	22.48	22.44		
10	1	49		22.47	22.50	22.45		
10	25	0		21.42	21.44	21.43		
10	25	12		21.45	21.42	21.43		
10	25	25		21.42	21.41	21.41		
10	50	0		21.43	21.43	21.42		
Limit	ERP < 3W			Result			Pass	



LTE Band 17 Maximum Average Power [dBm] (GT - LC = 9.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	24.43	24.40	24.38	31.39	1.3772
5	1	12		24.41	24.44	24.37		
5	1	24		24.38	24.41	24.42		
5	12	0		23.46	23.48	23.36		
5	12	7		23.45	23.45	23.38		
5	12	13		23.48	23.40	23.40		
5	25	0		23.47	23.47	23.42		
5	1	0	16-QAM	23.36	23.50	23.50	30.45	1.1092
5	1	12		23.49	23.41	23.36		
5	1	24		23.44	23.38	23.41		
5	12	0		22.47	22.48	22.37		
5	12	7		22.44	22.44	22.39		
5	12	13		22.49	22.41	22.42		
5	25	0		22.47	22.45	22.41		
5	1	0	64-QAM	22.45	22.44	22.39	29.45	0.8810
5	1	12		22.45	22.46	22.38		
5	1	24		22.50	22.40	22.40		
5	12	0		21.38	21.38	21.44		
5	12	7		21.36	21.37	21.47		
5	12	13		21.39	21.47	21.48		
5	25	0		21.49	21.46	21.42		
Limit	ERP < 3W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = 9.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	24.16	24.18	24.25	32.00	1.5849
15	1	37		24.24	24.19	24.21		
15	1	74		24.23	24.24	24.18		
15	36	0		23.19	23.21	23.14		
15	36	20		23.18	23.20	23.16		
15	36	39		23.17	23.22	23.18		
15	75	0		23.19	23.27	23.18		
15	1	0	16-QAM	23.31	23.43	23.45	31.20	1.3183
15	1	37		23.39	23.44	23.33		
15	1	74		23.43	23.40	23.39		
15	36	0		22.18	22.18	22.12		
15	36	20		22.21	22.17	22.13		
15	36	39		22.18	22.23	22.17		
15	75	0		22.13	22.20	22.15		
15	1	0	64-QAM	22.31	22.34	22.30	30.10	1.0233
15	1	37		22.30	22.35	22.35		
15	1	74		22.33	22.33	22.30		
15	36	0		21.20	21.24	21.16		
15	36	20		21.22	21.20	21.19		
15	36	39		21.22	21.26	21.19		
15	75	0		21.16	21.22	21.16		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = 9.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	24.13	24.19	24.22	31.99	1.5812
10	1	25		24.17	24.24	24.21		
10	1	49		24.18	24.22	24.20		
10	25	0		23.26	23.30	23.26		
10	25	12		23.21	23.24	23.23		
10	25	25		23.30	23.30	23.24		
10	50	0		23.31	23.30	23.26		
10	1	0	16-QAM	23.30	23.39	23.39	31.22	1.3243
10	1	25		23.43	23.46	23.45		
10	1	49		23.47	23.47	23.41		
10	25	0		22.25	22.27	22.27		
10	25	12		22.22	22.24	22.22		
10	25	25		22.30	22.29	22.23		
10	50	0		22.28	22.27	22.25		
10	1	0	64-QAM	22.29	22.31	22.35	30.12	1.0280
10	1	25		22.28	22.36	22.32		
10	1	49		22.37	22.35	22.34		
10	25	0		21.24	21.26	21.26		
10	25	12		21.19	21.22	21.20		
10	25	25		21.27	21.26	21.21		
10	50	0		21.24	21.26	21.25		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = 9.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	24.06	24.20	24.16	31.95	1.5668
5	1	12		24.11	24.20	24.12		
5	1	24		24.14	24.19	24.15		
5	12	0		23.18	23.18	23.17		
5	12	7		23.15	23.15	23.12		
5	12	13		23.17	23.20	23.13		
5	25	0		23.22	23.23	23.19		
5	1	0	16-QAM	23.29	23.41	23.42	31.19	1.3152
5	1	12		23.41	23.40	23.37		
5	1	24		23.44	23.44	23.31		
5	12	0		22.18	22.20	22.16		
5	12	7		22.16	22.15	22.13		
5	12	13		22.18	22.22	22.16		
5	25	0		22.20	22.22	22.17		
5	1	0	64-QAM	22.30	22.31	22.31	30.07	1.0162
5	1	12		22.29	22.32	22.27		
5	1	24		22.27	22.31	22.29		
5	12	0		21.26	21.26	21.24		
5	12	7		21.23	21.22	21.19		
5	12	13		21.22	21.25	21.20		
5	25	0		21.20	21.22	21.18		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = 9.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.90	24.06	24.04	31.83	1.5241
3	1	8		23.92	24.08	23.97		
3	1	14		23.99	24.06	24.03		
3	8	0		22.98	23.00	23.06		
3	8	4		23.04	23.04	23.01		
3	8	7		23.01	23.07	22.94		
3	15	0		23.03	23.04	23.01		
3	1	0	16-QAM	23.16	23.31	23.22	31.09	1.2853
3	1	8		23.27	23.26	23.17		
3	1	14		23.34	23.28	23.17		
3	8	0		22.02	22.08	22.02		
3	8	4		22.02	22.03	21.99		
3	8	7		22.02	22.05	22.05		
3	15	0		22.08	22.10	22.04		
3	1	0	64-QAM	22.16	22.19	22.18	29.95	0.9886
3	1	8		22.10	22.20	22.07		
3	1	14		22.12	22.12	22.17		
3	8	0		21.06	21.09	21.09		
3	8	4		21.07	21.12	20.99		
3	8	7		21.06	21.10	21.03		
3	15	0		21.08	21.10	21.08		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = 9.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.86	24.07	24.03	31.84	1.5276
1.4	1	3		23.98	24.02	23.94		
1.4	1	5		23.99	24.09	24.01		
1.4	3	0		23.02	23.04	23.00		
1.4	3	1		22.97	23.00	23.02		
1.4	3	3		23.06	23.00	22.98		
1.4	6	0		23.11	23.13	23.08		
1.4	1	0	16-QAM	23.17	23.27	23.28	31.08	1.2823
1.4	1	3		23.25	23.27	23.19		
1.4	1	5		23.33	23.30	23.20		
1.4	3	0		22.02	22.06	22.04		
1.4	3	1		21.96	21.95	21.94		
1.4	3	3		22.00	22.12	22.00		
1.4	6	0		22.06	22.03	22.07		
1.4	1	0	64-QAM	22.17	22.11	22.12	29.95	0.9886
1.4	1	3		22.17	22.16	22.13		
1.4	1	5		22.10	22.20	22.14		
1.4	3	0		21.12	21.08	21.06		
1.4	3	1		21.07	21.08	21.05		
1.4	3	3		21.12	21.09	21.04		
1.4	6	0		21.02	21.07	21.04		
Limit	ERP < 7W			Result			Pass	



LTE Band 38 Maximum Average Power [dBm] (GT - LC = 6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.22	24.17	24.11	30.22	1.0520
20	1	49		24.10	24.10	24.02		
20	1	99		24.02	24.04	24.00		
20	50	0		23.36	23.33	23.25		
20	50	24		23.26	23.24	23.21		
20	50	50		23.24	23.22	23.19		
20	100	0		23.29	23.26	23.22		
20	1	0	16-QAM	23.53	23.47	23.42	29.53	0.8974
20	1	49		23.37	23.38	23.36		
20	1	99		23.33	23.37	23.34		
20	50	0		22.44	22.42	22.35		
20	50	24		22.35	22.34	22.32		
20	50	50		22.34	22.32	22.29		
20	100	0		22.36	22.33	22.32		
20	1	0	64-QAM	22.38	22.30	22.27	28.38	0.6887
20	1	49		22.23	22.22	22.21		
20	1	99		22.19	22.20	22.14		
20	50	0		21.43	21.37	21.33		
20	50	24		21.33	21.29	21.30		
20	50	50		21.30	21.27	21.27		
20	100	0		21.33	21.29	21.30		
Limit	EIRP < 2W			Result			Pass	



LTE Band 38 Maximum Average Power [dBm] (GT - LC = 6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	24.50	24.45	24.38	30.50	1.1220
15	1	37		24.44	24.40	24.37		
15	1	74		24.33	24.33	24.26		
15	36	0		23.37	23.32	23.23		
15	36	20		23.29	23.24	23.23		
15	36	39		23.27	23.26	23.19		
15	75	0		23.33	23.27	23.23		
15	1	0	16-QAM	23.56	23.49	23.43	29.56	0.9036
15	1	37		23.34	23.32	23.35		
15	1	74		23.34	23.39	23.36		
15	36	0		22.39	22.33	22.24		
15	36	20		22.30	22.28	22.25		
15	36	39		22.27	22.27	22.19		
15	75	0		22.36	22.29	22.25		
15	1	0	64-QAM	22.42	22.37	22.30	28.42	0.6950
15	1	37		22.32	22.24	22.26		
15	1	74		22.24	22.27	22.20		
15	36	0		21.41	21.35	21.28		
15	36	20		21.33	21.29	21.26		
15	36	39		21.29	21.28	21.23		
15	75	0		21.37	21.33	21.28		
Limit	EIRP < 2W			Result			Pass	



LTE Band 38 Maximum Average Power [dBm] (GT - LC = 6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.28	24.04	24.05	30.28	1.0666
10	1	25		24.18	23.93	24.00		
10	1	49		24.15	23.98	23.98		
10	25	0		23.41	23.16	23.19		
10	25	12		23.34	23.11	23.13		
10	25	25		23.33	23.10	23.13		
10	50	0		23.36	23.14	23.17		
10	1	0	16-QAM	23.57	23.30	23.33	29.57	0.9057
10	1	25		23.43	23.20	23.26		
10	1	49		23.24	23.26	23.28		
10	25	0		22.27	22.21	22.23		
10	25	12		22.23	22.18	22.19		
10	25	25		22.21	22.16	22.18		
10	50	0		22.26	22.20	22.23		
10	1	0	64-QAM	22.20	22.17	22.18	28.20	0.6607
10	1	25		22.12	22.05	22.14		
10	1	49		22.08	22.11	22.10		
10	25	0		21.30	21.24	21.27		
10	25	12		21.27	21.21	21.24		
10	25	25		21.23	21.20	21.21		
10	50	0		21.22	21.17	21.19		
Limit	EIRP < 2W			Result			Pass	



LTE Band 38 Maximum Average Power [dBm] (GT - LC = 6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	24.04	23.97	24.01	30.04	1.0093
5	1	12		24.00	23.95	23.98		
5	1	24		23.97	23.93	23.96		
5	12	0		23.19	23.12	23.13		
5	12	7		23.14	23.08	23.08		
5	12	13		23.13	23.06	23.06		
5	25	0		23.16	23.11	23.12		
5	1	0	16-QAM	23.26	23.21	23.28	29.28	0.8472
5	1	12		23.21	23.18	23.25		
5	1	24		23.20	23.18	23.25		
5	12	0		22.25	22.17	22.19		
5	12	7		22.19	22.13	22.13		
5	12	13		22.19	22.12	22.13		
5	25	0		22.23	22.18	22.16		
5	1	0	64-QAM	22.18	22.12	22.16	28.18	0.6577
5	1	12		22.15	22.08	22.13		
5	1	24		22.12	22.08	22.11		
5	12	0		21.29	21.24	21.33		
5	12	7		21.26	21.19	21.27		
5	12	13		21.23	21.18	21.29		
5	25	0		21.27	21.21	21.31		
Limit	EIRP < 2W			Result			Pass	



LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	26.34	26.46	26.71	32.71	1.8664
20	1	49		26.37	26.51	26.66		
20	1	99		26.33	26.49	26.70		
20	50	0		25.53	25.64	25.74		
20	50	24		25.48	25.67	25.81		
20	50	50		25.48	25.66	25.84		
20	100	0		25.50	25.64	25.81		
20	1	0	16-QAM	25.58	25.72	25.85	31.90	1.5488
20	1	49		25.59	25.74	25.87		
20	1	99		25.57	25.78	25.90		
20	50	0		24.56	24.71	24.83		
20	50	24		24.55	24.71	24.84		
20	50	50		24.54	24.75	24.89		
20	100	0		24.53	24.69	24.84		
20	1	0	64-QAM	24.45	24.58	24.62	30.75	1.1885
20	1	49		24.44	24.62	24.75		
20	1	99		24.43	24.65	24.73		
20	50	0		23.53	23.69	23.79		
20	50	24		23.51	23.70	23.81		
20	50	50		23.47	23.73	23.85		
20	100	0		23.51	23.68	23.80		
Limit	EIRP < 2W			Result			Pass	



LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	26.62	26.52	26.67	32.68	1.8535
15	1	37		26.64	26.57	26.68		
15	1	74		26.55	26.59	26.68		
15	36	0		25.55	25.65	25.81		
15	36	20		25.51	25.66	25.82		
15	36	39		25.51	25.71	25.85		
15	75	0		25.55	25.69	25.84		
15	1	0	16-QAM	25.62	25.76	25.88	31.92	1.5560
15	1	37		25.54	25.72	25.89		
15	1	74		25.57	25.82	25.92		
15	36	0		24.51	24.64	24.74		
15	36	20		24.49	24.64	24.83		
15	36	39		24.49	24.68	24.85		
15	75	0		24.52	24.68	24.84		
15	1	0	64-QAM	24.51	24.65	24.73	30.84	1.2134
15	1	37		24.52	24.69	24.78		
15	1	74		24.47	24.71	24.84		
15	36	0		23.53	23.69	23.78		
15	36	20		23.50	23.68	23.85		
15	36	39		23.51	23.71	23.86		
15	75	0		23.53	23.70	23.81		
Limit	EIRP < 2W			Result			Pass	



LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	26.41	26.55	26.65	32.69	1.8578
10	1	25		26.36	26.52	26.63		
10	1	49		26.36	26.56	26.69		
10	25	0		25.52	25.71	25.87		
10	25	12		25.50	25.66	25.86		
10	25	25		25.50	25.66	25.92		
10	50	0		25.54	25.70	25.90		
10	1	0	16-QAM	25.56	25.76	25.93	31.93	1.5596
10	1	25		25.54	25.75	25.93		
10	1	49		25.55	25.80	25.92		
10	25	0		24.57	24.76	24.94		
10	25	12		24.57	24.74	24.93		
10	25	25		24.57	24.73	24.98		
10	50	0		24.54	24.74	24.94		
10	1	0	64-QAM	24.44	24.65	24.78	30.83	1.2106
10	1	25		24.42	24.62	24.80		
10	1	49		24.42	24.61	24.83		
10	25	0		23.57	23.78	23.94		
10	25	12		23.59	23.74	23.94		
10	25	25		23.58	23.74	23.99		
10	50	0		23.52	23.69	23.90		
Limit	EIRP < 2W			Result			Pass	



LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	26.37	26.50	26.71	32.78	1.8967
5	1	12		26.36	26.51	26.78		
5	1	24		26.34	26.50	26.77		
5	12	0		25.52	25.68	25.93		
5	12	7		25.50	25.66	25.90		
5	12	13		25.50	25.66	25.92		
5	25	0		25.50	25.67	25.92		
5	1	0	16-QAM	25.47	25.66	25.88	31.88	1.5417
5	1	12		25.46	25.66	25.86		
5	1	24		25.50	25.68	25.86		
5	12	0		24.53	24.71	24.92		
5	12	7		24.50	24.67	24.91		
5	12	13		24.53	24.67	24.95		
5	25	0		24.56	24.72	24.96		
5	1	0	64-QAM	24.43	24.62	24.79	30.88	1.2246
5	1	12		24.47	24.63	24.88		
5	1	24		24.45	24.65	24.82		
5	12	0		23.56	23.75	23.97		
5	12	7		23.50	23.69	23.96		
5	12	13		23.51	23.68	23.94		
5	25	0		23.58	23.76	23.99		
Limit	EIRP < 2W			Result			Pass	



LTE Band 30 Maximum Average Power [dBm] (GT - LC = 0 dB)									
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)	
10	1	0	QPSK	-	23.97	-	23.97	0.2495	
10	1	25			23.94				
10	1	49			23.92				
10	25	0			22.99				
10	25	12			22.99				
10	25	25			23.00				
10	50	0			22.98				
10	1	0	16-QAM		22.99		-	22.99	0.1991
10	1	25			22.98				
10	1	49			22.99				
10	25	0			21.92				
10	25	12			21.96				
10	25	25			21.99				
10	50	0			21.98				
10	1	0	64-QAM	21.96	-	21.97		0.1574	
10	1	25		21.97					
10	1	49		21.97					
10	25	0		21.00					
10	25	12		20.96					
10	25	25		20.97					
10	50	0		20.97					
Limit	EIRP < 250mW/5MHz			Result			Pass		

Total EIRP power is less than partial EIRP limit 250 mW/5MHz.



LTE Band 30 Maximum Average Power [dBm] (GT - LC = 0 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.94	23.97	23.97	23.97	0.2495
5	1	12		23.94	23.97	23.96		
5	1	24		23.94	23.95	23.94		
5	12	0		22.94	22.95	22.96		
5	12	7		22.90	22.90	22.92		
5	12	13		22.87	22.90	22.91		
5	25	0		22.94	22.96	22.96		
5	1	0	16-QAM	22.91	22.92	22.92	22.96	0.1977
5	1	12		22.93	22.94	22.91		
5	1	24		22.94	22.88	22.96		
5	12	0		21.95	21.96	21.97		
5	12	7		21.90	21.91	21.91		
5	12	13		21.88	21.90	21.91		
5	25	0		21.94	21.96	21.95		
5	1	0	64-QAM	21.99	21.98	21.98	21.99	0.1581
5	1	12		21.94	21.98	21.98		
5	1	24		21.95	21.98	21.93		
5	12	0		20.99	20.90	20.88		
5	12	7		20.95	20.97	20.98		
5	12	13		20.95	20.95	20.96		
5	25	0		20.96	20.97	20.98		
Limit	EIRP < 250mW/5MHz			Result			Pass	

Total EIRP power is less than partial EIRP limit 250 mW/5MHz.



LTE Band 66 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.23	24.27	24.24	29.95	0.9886
20	1	49		24.37	24.31	24.28		
20	1	99		24.45	24.32	24.23		
20	50	0		23.33	23.35	23.28		
20	50	24		23.38	23.37	23.29		
20	50	50		23.41	23.40	23.30		
20	100	0		23.37	23.37	23.29		
20	1	0	16-QAM	23.61	23.47	23.53	29.20	0.8318
20	1	49		23.52	23.69	23.54		
20	1	99		23.70	23.61	23.53		
20	50	0		22.33	22.37	22.32		
20	50	24		22.40	22.37	22.30		
20	50	50		22.43	22.43	22.33		
20	100	0		22.39	22.39	22.31		
20	1	0	64-QAM	22.37	22.36	22.41	28.12	0.6486
20	1	49		22.47	22.48	22.46		
20	1	99		22.62	22.47	22.37		
20	50	0		21.30	21.31	21.29		
20	50	24		21.37	21.33	21.28		
20	50	50		21.40	21.40	21.26		
20	100	0		21.35	21.33	21.28		
Limit	EIRP < 1W			Result			Pass	



LTE Band 66 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	24.33	24.34	24.32	29.94	0.9863
15	1	37		24.37	24.37	24.31		
15	1	74		24.44	24.41	24.33		
15	36	0		23.34	23.38	23.31		
15	36	20		23.37	23.37	23.30		
15	36	39		23.40	23.40	23.32		
15	75	0		23.39	23.41	23.36		
15	1	0	16-QAM	23.59	23.55	23.46	29.18	0.8279
15	1	37		23.62	23.54	23.57		
15	1	74		23.65	23.68	23.64		
15	36	0		22.32	22.35	22.32		
15	36	20		22.34	22.35	22.29		
15	36	39		22.40	22.40	22.29		
15	75	0		22.36	22.37	22.31		
15	1	0	64-QAM	22.45	22.50	22.38	28.09	0.6442
15	1	37		22.56	22.52	22.47		
15	1	74		22.54	22.59	22.41		
15	36	0		21.35	21.38	21.32		
15	36	20		21.38	21.40	21.31		
15	36	39		21.43	21.39	21.30		
15	75	0		21.38	21.35	21.28		
Limit	EIRP < 1W			Result			Pass	



LTE Band 66 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.31	24.37	24.28	29.97	0.9931
10	1	25		24.33	24.31	24.30		
10	1	49		24.47	24.41	24.29		
10	25	0		23.36	23.38	23.33		
10	25	12		23.39	23.37	23.30		
10	25	25		23.45	23.42	23.34		
10	50	0		23.40	23.39	23.34		
10	1	0	16-QAM	23.58	23.64	23.54	29.24	0.8395
10	1	25		23.60	23.58	23.51		
10	1	49		23.74	23.73	23.58		
10	25	0		22.35	22.39	22.33		
10	25	12		22.39	22.37	22.28		
10	25	25		22.46	22.44	22.33		
10	50	0		22.37	22.42	22.32		
10	1	0	64-QAM	22.47	22.44	22.43	28.11	0.6471
10	1	25		22.49	22.49	22.43		
10	1	49		22.51	22.61	22.43		
10	25	0		21.32	21.34	21.28		
10	25	12		21.36	21.34	21.24		
10	25	25		21.42	21.37	21.29		
10	50	0		21.35	21.34	21.27		
Limit	EIRP < 1W			Result			Pass	



LTE Band 66 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	24.38	24.36	24.29	29.89	0.9750
5	1	12		24.39	24.35	24.27		
5	1	24		24.38	24.36	24.37		
5	12	0		23.38	23.37	23.30		
5	12	7		23.36	23.37	23.29		
5	12	13		23.39	23.35	23.28		
5	25	0		23.43	23.43	23.34		
5	1	0	16-QAM	23.58	23.58	23.38	29.10	0.8128
5	1	12		23.51	23.59	23.48		
5	1	24		23.53	23.58	23.60		
5	12	0		22.42	22.41	22.30		
5	12	7		22.40	22.36	22.26		
5	12	13		22.43	22.39	22.31		
5	25	0		22.43	22.42	22.33		
5	1	0	64-QAM	22.55	22.52	22.44	28.08	0.6427
5	1	12		22.58	22.57	22.40		
5	1	24		22.55	22.47	22.43		
5	12	0		21.42	21.42	21.36		
5	12	7		21.45	21.46	21.35		
5	12	13		21.45	21.47	21.31		
5	25	0		21.42	21.37	21.32		
Limit	EIRP < 1W			Result			Pass	



LTE Band 66 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	24.35	24.38	24.31	29.92	0.9817
3	1	8		24.31	24.37	24.42		
3	1	14		24.35	24.40	24.29		
3	8	0		23.37	23.42	23.32		
3	8	4		23.39	23.40	23.31		
3	8	7		23.40	23.41	23.29		
3	15	0		23.40	23.39	23.31		
3	1	0	16-QAM	23.58	23.71	23.49	29.21	0.8337
3	1	8		23.61	23.52	23.46		
3	1	14		23.60	23.67	23.48		
3	8	0		22.45	22.45	22.42		
3	8	4		22.42	22.45	22.36		
3	8	7		22.44	22.47	22.36		
3	15	0		22.39	22.42	22.33		
3	1	0	64-QAM	22.47	22.48	22.47	28.06	0.6397
3	1	8		22.56	22.42	22.40		
3	1	14		22.52	22.47	22.43		
3	8	0		21.41	21.40	21.31		
3	8	4		21.38	21.39	21.32		
3	8	7		21.48	21.41	21.28		
3	15	0		21.37	21.32	21.29		
Limit	EIRP < 1W			Result			Pass	



LTE Band 66 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	24.28	24.34	24.26	29.91	0.9795
1.4	1	3		24.33	24.33	24.21		
1.4	1	5		24.39	24.41	24.28		
1.4	3	0		24.29	24.30	24.24		
1.4	3	1		24.29	24.25	24.16		
1.4	3	3		24.36	24.28	24.21		
1.4	6	0		23.31	23.33	23.31		
1.4	1	0	16-QAM	23.64	23.70	23.67	29.25	0.8414
1.4	1	3		23.58	23.67	23.43		
1.4	1	5		23.69	23.75	23.60		
1.4	3	0		23.34	23.52	23.48		
1.4	3	1		23.30	23.52	23.32		
1.4	3	3		23.42	23.53	23.30		
1.4	6	0		22.47	22.54	22.43		
1.4	1	0	64-QAM	22.48	22.63	22.47	28.16	0.6546
1.4	1	3		22.39	22.48	22.41		
1.4	1	5		22.54	22.66	22.44		
1.4	3	0		22.34	22.53	22.38		
1.4	3	1		22.28	22.37	22.43		
1.4	3	3		22.44	22.54	22.28		
1.4	6	0		21.40	21.36	21.27		
Limit	EIRP < 1W			Result			Pass	



LTE Band 71 Maximum Average Power [dBm] (GT - LC = 8.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
20	1	0	QPSK	24.38	24.50	24.38	31.25	1.3335
20	1	49		24.44	24.44	24.45		
20	1	99		24.44	24.48	24.46		
20	50	0		23.31	23.45	23.39		
20	50	24		23.42	23.45	23.48		
20	50	50		23.49	23.41	23.38		
20	100	0		23.41	23.49	23.39		
20	1	0	16-QAM	23.41	23.39	23.44	30.25	1.0593
20	1	49		23.43	23.44	23.50		
20	1	99		23.44	23.43	23.42		
20	50	0		22.33	22.47	22.38		
20	50	24		22.45	22.44	22.41		
20	50	50		22.48	22.50	22.41		
20	100	0		22.42	22.49	22.39		
20	1	0	64-QAM	22.44	22.49	22.50	29.25	0.8414
20	1	49		22.46	22.49	22.48		
20	1	99		22.49	22.49	22.42		
20	50	0		21.31	21.45	21.34		
20	50	24		21.45	21.42	21.50		
20	50	50		21.47	21.48	21.41		
20	100	0		21.39	21.47	21.38		
Limit	ERP < 3W			Result			Pass	



LTE Band 71 Maximum Average Power [dBm] (GT - LC = 8.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	24.49	24.37	24.46	31.24	1.3305
15	1	37		24.38	24.44	24.48		
15	1	74		24.39	24.42	24.47		
15	36	0		23.40	23.43	23.42		
15	36	20		23.48	23.39	23.45		
15	36	39		23.49	23.46	23.39		
15	75	0		23.45	23.49	23.42		
15	1	0	16-QAM	23.36	23.40	23.36	30.25	1.0593
15	1	37		23.33	23.50	23.26		
15	1	74		23.49	23.41	23.39		
15	36	0		22.43	22.39	22.43		
15	36	20		22.49	22.36	22.43		
15	36	39		22.45	22.47	22.35		
15	75	0		22.42	22.43	22.40		
15	1	0	64-QAM	22.42	22.38	22.46	29.23	0.8375
15	1	37		22.31	22.40	22.48		
15	1	74		22.48	22.41	22.43		
15	36	0		21.41	21.44	21.45		
15	36	20		21.38	21.39	21.46		
15	36	39		21.50	21.46	21.42		
15	75	0		21.44	21.40	21.40		
Limit	ERP < 3W			Result			Pass	



LTE Band 71 Maximum Average Power [dBm] (GT - LC = 8.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	24.28	24.35	24.32	31.18	1.3122
10	1	25		24.31	24.43	24.27		
10	1	49		24.41	24.42	24.31		
10	25	0		23.30	23.44	23.35		
10	25	12		23.35	23.40	23.29		
10	25	25		23.43	23.50	23.24		
10	50	0		23.40	23.47	23.33		
10	1	0	16-QAM	23.44	23.46	23.38	30.25	1.0593
10	1	25		23.41	23.50	23.34		
10	1	49		23.46	23.49	23.48		
10	25	0		22.30	22.41	22.36		
10	25	12		22.37	22.39	22.27		
10	25	25		22.47	22.49	22.22		
10	50	0		22.39	22.43	22.34		
10	1	0	64-QAM	22.41	22.48	22.44	29.23	0.8375
10	1	25		22.45	22.39	22.39		
10	1	49		22.47	22.39	22.42		
10	25	0		21.26	21.38	21.33		
10	25	12		21.31	21.36	21.26		
10	25	25		21.45	21.45	21.19		
10	50	0		21.34	21.41	21.31		
Limit	ERP < 3W			Result			Pass	



LTE Band 71 Maximum Average Power [dBm] (GT - LC = 8.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	24.40	24.47	24.38	31.22	1.3243
5	1	12		24.46	24.44	24.43		
5	1	24		24.46	24.40	24.43		
5	12	0		23.45	23.41	23.45		
5	12	7		23.48	23.41	23.38		
5	12	13		23.45	23.46	23.37		
5	25	0		23.45	23.50	23.41		
5	1	0	16-QAM	23.37	23.47	23.32	30.23	1.0544
5	1	12		23.44	23.43	23.41		
5	1	24		23.46	23.48	23.40		
5	12	0		22.47	22.41	22.43		
5	12	7		22.49	22.42	22.38		
5	12	13		22.50	22.47	22.37		
5	25	0		22.42	22.46	22.48		
5	1	0	64-QAM	22.46	22.49	22.46	29.25	0.8414
5	1	12		22.50	22.48	22.43		
5	1	24		22.48	22.48	22.42		
5	12	0		21.40	21.50	21.44		
5	12	7		21.44	21.48	21.49		
5	12	13		21.50	21.42	21.46		
5	25	0		21.41	21.46	21.49		
Limit	ERP < 3W			Result			Pass	



LTE Band 14 Maximum Average Power [dBm] (GT - LC = 9.7 dB)									
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)	
10	1	0	QPSK	-	24.38	-	31.93	1.5596	
10	1	25			24.37				
10	1	49			24.34				
10	25	0			23.40				
10	25	12			23.37				
10	25	25			23.41				
10	50	0			23.40				
10	1	0	16-QAM		23.46		-	31.03	1.2677
10	1	25			23.47				
10	1	49			23.48				
10	25	0			22.40				
10	25	12			22.39				
10	25	25			22.41				
10	50	0			22.41				
10	1	0	64-QAM	22.48	-	30.03		1.0069	
10	1	25		22.42					
10	1	49		22.42					
10	25	0		21.39					
10	25	12		21.39					
10	25	25		21.38					
10	50	0		21.40					
Limit	ERP < 3W			Result			Pass		



LTE Band 14 Maximum Average Power [dBm] (GT - LC = 9.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	24.34	24.35	24.37	31.92	1.5560
5	1	12		24.28	24.36	24.35		
5	1	24		24.36	24.35	24.34		
5	12	0		23.34	23.39	23.42		
5	12	7		23.34	23.38	23.38		
5	12	13		23.37	23.38	23.40		
5	25	0		23.38	23.43	23.41		
5	1	0	16-QAM	23.39	23.42	23.47	31.04	1.2706
5	1	12		23.41	23.45	23.44		
5	1	24		23.46	23.48	23.49		
5	12	0		22.36	22.40	22.41		
5	12	7		22.34	22.40	22.38		
5	12	13		22.36	22.38	22.42		
5	25	0		22.37	22.43	22.41		
5	1	0	64-QAM	22.47	22.40	22.42	30.02	1.0046
5	1	12		22.36	22.40	22.37		
5	1	24		22.39	22.38	22.39		
5	12	0		21.40	21.46	21.47		
5	12	7		21.41	21.46	21.43		
5	12	13		21.41	21.43	21.46		
5	25	0		21.38	21.44	21.43		
Limit	ERP < 3W			Result			Pass	



LTE Band 26 (Part90S) Maximum Average Power [dBm] (GT - LC = 9.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	24.01	-	-	31.89	1.5453
15	1	37		24.09	-	-		
15	1	74		24.14	-	-		
15	36	0		23.17	-	-		
15	36	20		22.99	-	-		
15	36	39		23.16	-	-		
15	75	0		23.13	-	-		
15	1	0	16-QAM	23.12	-	-	31.03	1.2677
15	1	37		23.28	-	-		
15	1	74		23.27	-	-		
15	36	0		22.01	-	-		
15	36	20		22.07	-	-		
15	36	39		22.17	-	-		
15	75	0		22.13	-	-		
15	1	0	64-QAM	22.30	-	-	30.05	1.0116
15	1	37		22.27	-	-		
15	1	74		22.27	-	-		
15	36	0		21.03	-	-		
15	36	20		21.11	-	-		
15	36	39		21.15	-	-		
15	75	0		21.04	-	-		
Limit	Power < 100W			Result			Pass	



LTE Band 26 (Part90S) Maximum Average Power [dBm] (GT - LC = 9.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	24.06	-	31.98	1.5776
10	1	25		-	24.23	-		
10	1	49		-	24.05	-		
10	25	0		-	23.18	-		
10	25	12		-	23.21	-		
10	25	25		-	23.18	-		
10	50	0		-	23.15	-		
10	1	0	16-QAM	-	23.35	-	31.19	1.3152
10	1	25		-	23.44	-		
10	1	49		-	23.32	-		
10	25	0		-	22.22	-		
10	25	12		-	22.23	-		
10	25	25		-	22.11	-		
10	50	0		-	22.19	-		
10	1	0	64-QAM	-	22.26	-	30.02	1.0046
10	1	25		-	22.27	-		
10	1	49		-	22.18	-		
10	25	0		-	21.22	-		
10	25	12		-	21.08	-		
10	25	25		-	21.17	-		
10	50	0		-	21.26	-		
Limit	Power < 100W			Result			Pass	



LTE Band 26 (Part90S) Maximum Average Power [dBm] (GT - LC = 9.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.86	24.07	24.04	31.93	1.5596
5	1	12		24.11	24.11	23.98		
5	1	24		24.14	24.18	24.12		
5	12	0		23.12	23.17	22.98		
5	12	7		23.09	23.04	22.98		
5	12	13		23.15	23.05	22.99		
5	25	0		23.20	23.20	23.01		
5	1	0	16-QAM	23.13	23.28	23.41	31.16	1.3062
5	1	12		23.30	23.39	23.31		
5	1	24		23.28	23.37	23.30		
5	12	0		22.04	22.13	21.96		
5	12	7		22.06	22.08	22.11		
5	12	13		22.13	22.14	22.09		
5	25	0		22.07	22.21	21.97		
5	1	0	64-QAM	22.20	22.26	22.16	30.03	1.0069
5	1	12		22.28	22.12	22.18		
5	1	24		22.18	22.20	22.26		
5	12	0		21.24	21.18	21.08		
5	12	7		21.18	21.07	21.11		
5	12	13		21.14	21.12	21.16		
5	25	0		21.19	21.11	21.02		
Limit	Power < 100W			Result			Pass	



LTE Band 26 (Part90S) Maximum Average Power [dBm] (GT - LC = 9.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.74	24.05	24.01	31.80	1.5136
3	1	8		23.76	23.92	23.83		
3	1	14		23.81	23.88	23.83		
3	8	0		22.95	22.82	22.92		
3	8	4		22.97	22.93	22.94		
3	8	7		22.93	22.88	22.85		
3	15	0		22.86	22.88	22.92		
3	1	0	16-QAM	23.05	23.24	23.08	31.05	1.2735
3	1	8		23.10	23.07	22.97		
3	1	14		23.30	23.13	23.11		
3	8	0		21.99	22.03	21.97		
3	8	4		21.83	21.86	21.83		
3	8	7		22.01	21.86	21.91		
3	15	0		21.98	22.03	21.93		
3	1	0	64-QAM	22.14	22.11	22.13	29.91	0.9795
3	1	8		22.02	22.16	21.88		
3	1	14		22.07	21.99	22.08		
3	8	0		20.94	21.03	21.08		
3	8	4		21.06	21.12	20.83		
3	8	7		20.87	21.05	20.84		
3	15	0		21.07	20.90	20.89		
Limit	Power < 100W			Result			Pass	



LTE Band 26 (Part90S) Maximum Average Power [dBm] (GT - LC = 9.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.80	24.04	23.93	31.79	1.5101
1.4	1	3		23.82	23.94	23.75		
1.4	1	5		23.84	23.96	23.89		
1.4	3	0		22.98	22.99	22.94		
1.4	3	1		22.90	22.95	22.88		
1.4	3	3		23.00	22.84	22.90		
1.4	6	0		23.11	23.00	22.94		
1.4	1	0	16-QAM	23.07	23.20	23.13	31.03	1.2677
1.4	1	3		23.17	23.13	23.00		
1.4	1	5		23.15	23.28	23.01		
1.4	3	0		21.83	22.02	21.93		
1.4	3	1		21.93	21.82	21.94		
1.4	3	3		21.95	22.02	21.81		
1.4	6	0		21.95	22.01	21.90		
1.4	1	0	64-QAM	22.11	22.09	22.08	29.89	0.9750
1.4	1	3		21.99	22.03	22.13		
1.4	1	5		21.99	22.02	22.14		
1.4	3	0		20.99	20.92	20.98		
1.4	3	1		20.92	21.03	20.95		
1.4	3	3		21.03	21.03	20.90		
1.4	6	0		20.92	21.07	20.89		
Limit	Power < 100W			Result			Pass	



LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = 9.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	-	24.17	-	32.04	1.5996
15	1	37		-	24.29	-		
15	1	74		-	24.20	-		
15	36	0		-	23.17	-		
15	36	20		-	23.17	-		
15	36	39		-	23.21	-		
15	75	0		-	23.14	-		
15	1	0	16-QAM	-	23.37	-	31.25	1.3335
15	1	37		-	23.42	-		
15	1	74		-	23.50	-		
15	36	0		-	22.09	-		
15	36	20		-	22.31	-		
15	36	39		-	22.10	-		
15	75	0		-	22.20	-		
15	1	0	64-QAM	-	22.27	-	30.02	1.0046
15	1	37		-	22.24	-		
15	1	74		-	22.23	-		
15	36	0		-	21.29	-		
15	36	20		-	21.15	-		
15	36	39		-	21.30	-		
15	75	0		-	21.25	-		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = 9.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	24.10	-	32.03	1.5959
10	1	25		-	24.19	-		
10	1	49		-	24.28	-		
10	25	0		-	23.26	-		
10	25	12		-	23.12	-		
10	25	25		-	23.25	-		
10	50	0		-	23.34	-		
10	1	0	16-QAM	-	23.27	-	31.25	1.3335
10	1	25		-	23.35	-		
10	1	49		-	23.50	-		
10	25	0		-	22.35	-		
10	25	12		-	22.30	-		
10	25	25		-	22.21	-		
10	50	0		-	22.32	-		
10	1	0	64-QAM	-	22.28	-	30.12	1.0280
10	1	25		-	22.37	-		
10	1	49		-	22.37	-		
10	25	0		-	21.30	-		
10	25	12		-	21.22	-		
10	25	25		-	21.25	-		
10	50	0		-	21.18	-		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = 9.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	-	24.14	-	31.96	1.5704
5	1	12		-	24.21	-		
5	1	24		-	24.16	-		
5	12	0		-	23.09	-		
5	12	7		-	23.20	-		
5	12	13		-	23.14	-		
5	25	0		-	23.23	-		
5	1	0	16-QAM	-	23.22	-	31.22	1.3243
5	1	12		-	23.47	-		
5	1	24		-	23.46	-		
5	12	0		-	22.22	-		
5	12	7		-	22.09	-		
5	12	13		-	22.17	-		
5	25	0		-	22.12	-		
5	1	0	64-QAM	-	22.38	-	30.13	1.0304
5	1	12		-	22.25	-		
5	1	24		-	22.31	-		
5	12	0		-	21.21	-		
5	12	7		-	21.19	-		
5	12	13		-	21.28	-		
5	25	0		-	21.11	-		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = 9.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	-	23.86	-	31.77	1.5031
3	1	8		-	23.96	-		
3	1	14		-	24.02	-		
3	8	0		-	22.93	-		
3	8	4		-	23.08	-		
3	8	7		-	23.10	-		
3	15	0		-	23.10	-		
3	1	0	16-QAM	-	23.13	-	31.19	1.3152
3	1	8		-	23.27	-		
3	1	14		-	23.44	-		
3	8	0		-	21.97	-		
3	8	4		-	21.95	-		
3	8	7		-	22.09	-		
3	15	0		-	22.00	-		
3	1	0	64-QAM	-	22.09	-	29.93	0.9840
3	1	8		-	22.16	-		
3	1	14		-	22.18	-		
3	8	0		-	20.98	-		
3	8	4		-	21.11	-		
3	8	7		-	21.02	-		
3	15	0		-	21.15	-		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = 9.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	-	23.80	-	31.71	1.4825
1.4	1	3		-	23.94	-		
1.4	1	5		-	23.96	-		
1.4	3	0		-	22.96	-		
1.4	3	1		-	23.01	-		
1.4	3	3		-	23.08	-		
1.4	6	0		-	23.18	-		
1.4	1	0	16-QAM	-	23.24	-	31.10	1.2882
1.4	1	3		-	23.32	-		
1.4	1	5		-	23.35	-		
1.4	3	0		-	21.95	-		
1.4	3	1		-	22.02	-		
1.4	3	3		-	22.07	-		
1.4	6	0		-	22.14	-		
1.4	1	0	64-QAM	-	22.15	-	29.91	0.9795
1.4	1	3		-	22.16	-		
1.4	1	5		-	22.10	-		
1.4	3	0		-	21.21	-		
1.4	3	1		-	20.99	-		
1.4	3	3		-	21.07	-		
1.4	6	0		-	21.07	-		
Limit	ERP < 7W			Result			Pass	



Part 27Q LTE Band 42 Maximum Average Power [dBm] (GT - LC = 7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.43	22.60	22.69	29.75	0.9441
20	1	49		22.48	22.61	22.70		
20	1	99		22.49	22.65	22.75		
20	50	0		21.56	21.73	21.82		
20	50	24		21.58	21.72	21.84		
20	50	50		21.58	21.73	21.84		
20	100	0		21.60	21.72	21.84		
20	1	0	16-QAM	21.80	21.95	22.05	29.09	0.8110
20	1	49		21.80	21.92	22.01		
20	1	99		21.84	21.96	22.09		
20	50	0		20.63	20.79	20.88		
20	50	24		20.64	20.79	20.88		
20	50	50		20.66	20.80	20.89		
20	100	0		20.64	20.77	20.88		
20	1	0	64-QAM	20.49	20.68	20.76	27.80	0.6026
20	1	49		20.53	20.67	20.76		
20	1	99		20.54	20.70	20.80		
20	50	0		19.55	19.69	19.82		
20	50	24		19.54	19.69	19.84		
20	50	50		19.58	19.69	19.86		
20	100	0		19.55	19.69	19.84		
Limit	EIRP < 1W			Result			Pass	



Part 27Q LTE Band 42 Maximum Average Power [dBm] (GT - LC = 7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.63	22.78	22.86	29.92	0.9817
15	1	37		22.62	22.77	22.86		
15	1	74		22.67	22.80	22.92		
15	36	0		21.55	21.72	21.78		
15	36	20		21.54	21.70	21.78		
15	36	39		21.56	21.71	21.82		
15	75	0		21.60	21.74	21.85		
15	1	0	16-QAM	21.78	21.93	22.02	29.08	0.8091
15	1	37		21.74	21.89	22.02		
15	1	74		21.81	21.94	22.08		
15	36	0		20.53	20.70	20.82		
15	36	20		20.53	20.67	20.82		
15	36	39		20.54	20.71	20.87		
15	75	0		20.58	20.74	20.89		
15	1	0	64-QAM	20.55	20.72	20.84	27.87	0.6124
15	1	37		20.52	20.69	20.81		
15	1	74		20.58	20.72	20.87		
15	36	0		19.51	19.66	19.85		
15	36	20		19.47	19.64	19.84		
15	36	39		19.53	19.67	19.88		
15	75	0		19.52	19.69	19.89		
Limit	EIRP < 1W			Result			Pass	



Part 27Q LTE Band 42 Maximum Average Power [dBm] (GT - LC = 7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.52	22.68	22.74	29.80	0.9550
10	1	25		22.48	22.64	22.73		
10	1	49		22.54	22.70	22.80		
10	25	0		21.62	21.77	21.84		
10	25	12		21.58	21.76	21.84		
10	25	25		21.62	21.78	21.87		
10	50	0		21.61	21.78	21.86		
10	1	0	16-QAM	21.82	21.98	22.05	29.10	0.8128
10	1	25		21.74	21.91	22.02		
10	1	49		21.83	21.99	22.10		
10	25	0		20.62	20.77	20.86		
10	25	12		20.58	20.77	20.85		
10	25	25		20.63	20.79	20.90		
10	50	0		20.62	20.80	20.88		
10	1	0	64-QAM	20.54	20.73	20.78	27.80	0.6026
10	1	25		20.52	20.69	20.77		
10	1	49		20.57	20.71	20.80		
10	25	0		19.59	19.76	19.90		
10	25	12		19.60	19.75	19.90		
10	25	25		19.60	19.77	19.93		
10	50	0		19.56	19.70	19.86		
Limit	EIRP < 1W			Result			Pass	



Part 27Q LTE Band 42 Maximum Average Power [dBm] (GT - LC = 7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.47	22.66	22.74	29.75	0.9441
5	1	12		22.48	22.64	22.72		
5	1	24		22.47	22.66	22.75		
5	12	0		21.54	21.72	21.82		
5	12	7		21.55	21.71	21.80		
5	12	13		21.54	21.71	21.81		
5	25	0		21.57	21.74	21.84		
5	1	0	16-QAM	21.76	21.94	22.01	29.05	0.8035
5	1	12		21.75	21.89	22.00		
5	1	24		21.77	21.96	22.05		
5	12	0		20.56	20.75	20.84		
5	12	7		20.55	20.72	20.80		
5	12	13		20.57	20.72	20.84		
5	25	0		20.60	20.76	20.87		
5	1	0	64-QAM	20.54	20.71	20.78	27.79	0.6012
5	1	12		20.53	20.70	20.78		
5	1	24		20.53	20.70	20.79		
5	12	0		19.62	19.77	19.93		
5	12	7		19.58	19.75	19.91		
5	12	13		19.59	19.75	19.91		
5	25	0		19.59	19.76	19.91		
Limit	EIRP < 1W			Result			Pass	



Part 270 LTE Band 43 Maximum Average Power [dBm] (GT - LC = 7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.67	22.55	22.44	29.79	0.9528
20	1	49		22.74	22.63	22.50		
20	1	99		22.79	22.68	22.49		
20	50	0		21.86	21.72	21.61		
20	50	24		21.87	21.75	21.62		
20	50	50		21.91	21.80	21.63		
20	100	0		21.88	21.76	21.62		
20	1	0	16-QAM	22.02	21.90	21.78	29.13	0.8185
20	1	49		22.04	21.92	21.78		
20	1	99		22.13	22.02	21.83		
20	50	0		20.92	20.79	20.69		
20	50	24		20.93	20.82	20.70		
20	50	50		20.96	20.88	20.69		
20	100	0		20.91	20.81	20.70		
20	1	0	64-QAM	20.77	20.65	20.56	27.87	0.6124
20	1	49		20.83	20.71	20.58		
20	1	99		20.87	20.77	20.60		
20	50	0		19.83	19.63	19.59		
20	50	24		19.86	19.68	19.58		
20	50	50		19.87	19.72	19.58		
20	100	0		19.86	19.68	19.58		
Limit	EIRP < 1W			Result			Pass	



Part 270 LTE Band 43 Maximum Average Power [dBm] (GT - LC = 7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.90	22.77	22.65	29.99	0.9977
15	1	37		22.95	22.82	22.69		
15	1	74		22.99	22.89	22.70		
15	36	0		21.86	21.75	21.63		
15	36	20		21.87	21.74	21.60		
15	36	39		21.89	21.81	21.66		
15	75	0		21.90	21.79	21.64		
15	1	0	16-QAM	22.04	21.89	21.76	29.12	0.8166
15	1	37		22.04	21.88	21.77		
15	1	74		22.12	21.99	21.81		
15	36	0		20.83	20.72	20.60		
15	36	20		20.85	20.73	20.59		
15	36	39		20.87	20.78	20.64		
15	75	0		20.89	20.77	20.63		
15	1	0	64-QAM	20.82	20.70	20.59	27.92	0.6194
15	1	37		20.86	20.73	20.59		
15	1	74		20.92	20.80	20.65		
15	36	0		19.82	19.65	19.55		
15	36	20		19.83	19.63	19.53		
15	36	39		19.86	19.70	19.53		
15	75	0		19.86	19.68	19.57		
Limit	EIRP < 1W			Result			Pass	



Part 270 LTE Band 43 Maximum Average Power [dBm] (GT - LC = 7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.75	22.61	22.47	29.82	0.9594
10	1	25		22.75	22.64	22.44		
10	1	49		22.82	22.70	22.50		
10	25	0		21.88	21.76	21.60		
10	25	12		21.86	21.75	21.57		
10	25	25		21.91	21.78	21.62		
10	50	0		21.91	21.77	21.61		
10	1	0	16-QAM	22.05	21.91	21.76	29.11	0.8147
10	1	25		22.01	21.90	21.70		
10	1	49		22.11	21.99	21.79		
10	25	0		20.89	20.78	20.62		
10	25	12		20.91	20.78	20.61		
10	25	25		20.92	20.78	20.66		
10	50	0		20.93	20.81	20.65		
10	1	0	64-QAM	20.81	20.68	20.56	27.86	0.6109
10	1	25		20.82	20.70	20.54		
10	1	49		20.86	20.77	20.58		
10	25	0		19.88	19.70	19.57		
10	25	12		19.90	19.71	19.58		
10	25	25		19.91	19.72	19.58		
10	50	0		19.85	19.66	19.52		
Limit	EIRP < 1W			Result			Pass	



Part 270 LTE Band 43 Maximum Average Power [dBm] (GT - LC = 7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.74	22.63	22.43	29.78	0.9506
5	1	12		22.74	22.62	22.45		
5	1	24		22.78	22.65	22.46		
5	12	0		21.86	21.74	21.60		
5	12	7		21.86	21.72	21.58		
5	12	13		21.87	21.74	21.59		
5	25	0		21.87	21.76	21.61		
5	1	0	16-QAM	22.02	21.89	21.70	29.06	0.8054
5	1	12		22.02	21.88	21.74		
5	1	24		22.06	21.91	21.72		
5	12	0		20.88	20.76	20.62		
5	12	7		20.87	20.74	20.60		
5	12	13		20.89	20.76	20.63		
5	25	0		20.91	20.79	20.65		
5	1	0	64-QAM	20.82	20.70	20.53	27.85	0.6095
5	1	12		20.83	20.72	20.56		
5	1	24		20.85	20.72	20.57		
5	12	0		19.92	19.74	19.58		
5	12	7		19.90	19.71	19.55		
5	12	13		19.92	19.72	19.56		
5	25	0		19.93	19.73	19.58		
Limit	EIRP < 1W			Result			Pass	



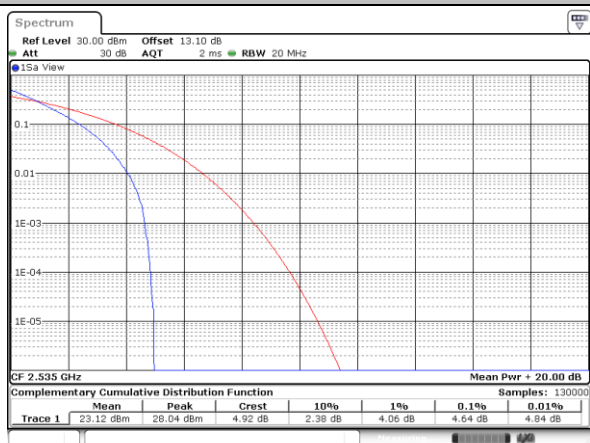
LTE Band 7

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.64	5.39	6.03	-	PASS

LTE Band 7 / 20MHz / QPSK

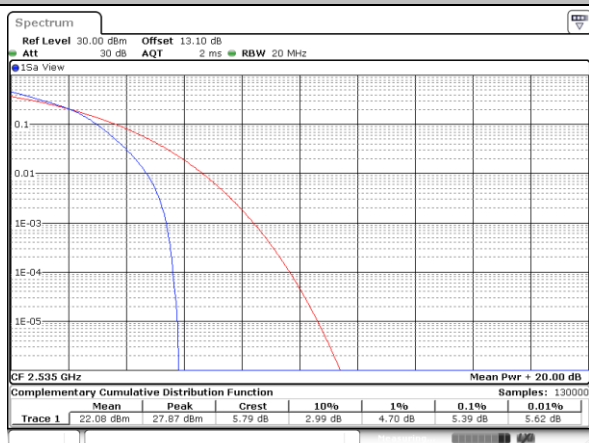
Middle Channel / Full RB



Date: 11.APR.2025 23:46:15

LTE Band 7 / 20MHz / 16QAM

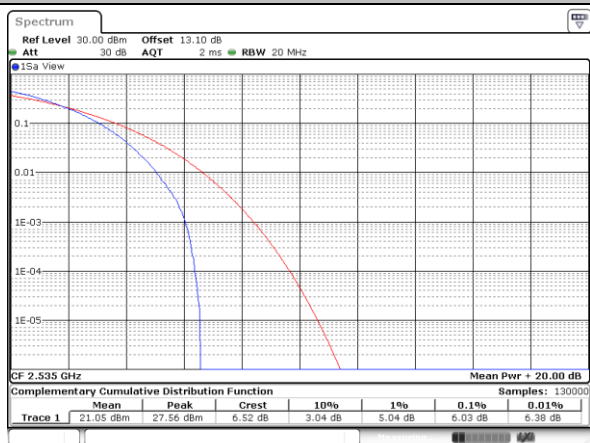
Middle Channel / Full RB



Date: 11.APR.2025 23:46:39

LTE Band 7 / 20MHz / 64QAM

Middle Channel / Full RB



Date: 11.APR.2025 23:47:02

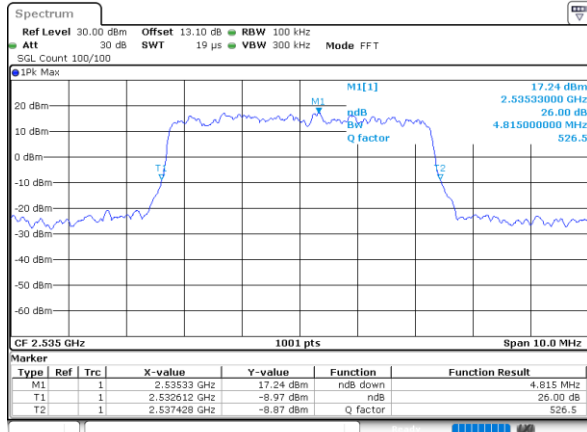
**26dB Bandwidth**

Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.81	4.87	9.81	9.76	14.50	14.23	19.06	18.82
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.83	-	9.73	-	14.50	-	18.86	-



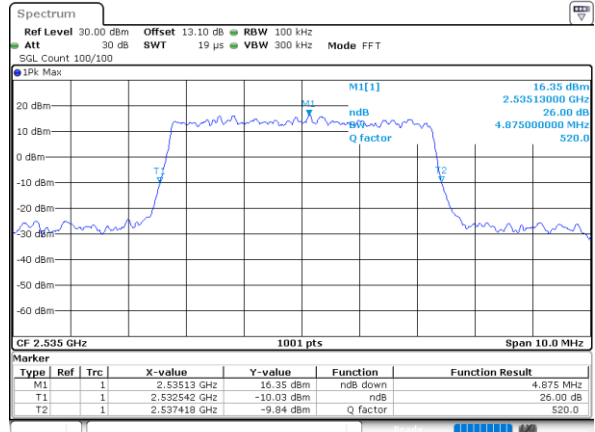
LTE Band 7

Middle Channel / 5MHz / QPSK



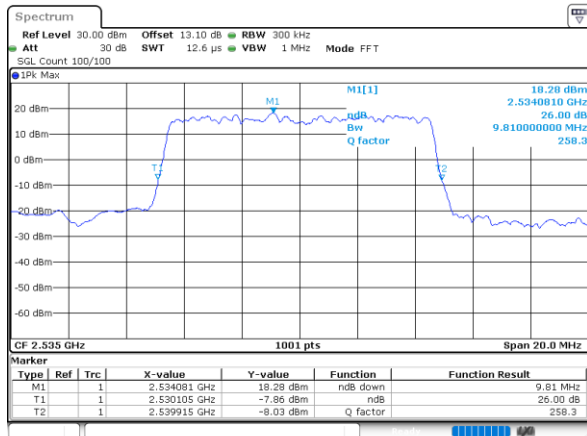
Date: 11.APR.2025 23:27:14

Middle Channel / 5MHz / 16QAM



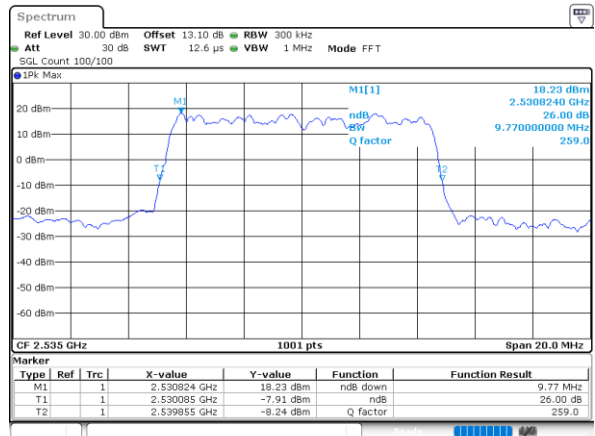
Date: 11.APR.2025 23:27:36

Middle Channel / 10MHz / QPSK



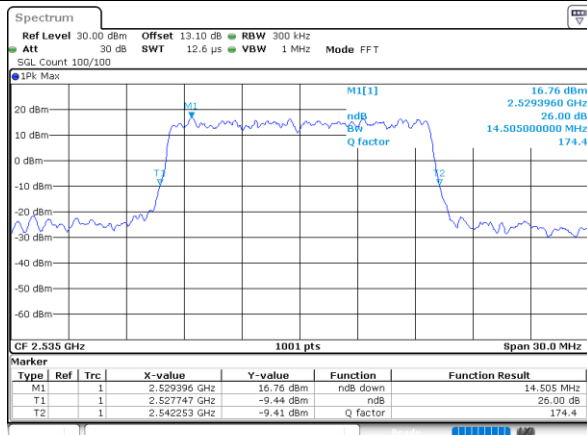
Date: 11.APR.2025 23:28:22

Middle Channel / 10MHz / 16QAM



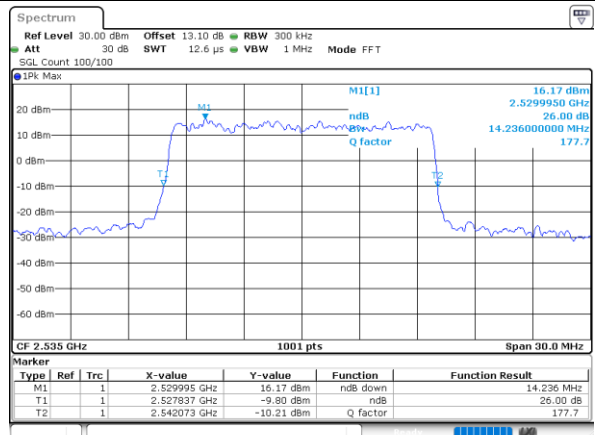
Date: 11.APR.2025 23:28:44

Middle Channel / 15MHz / QPSK



Date: 11.APR.2025 23:29:30

Middle Channel / 15MHz / 16QAM

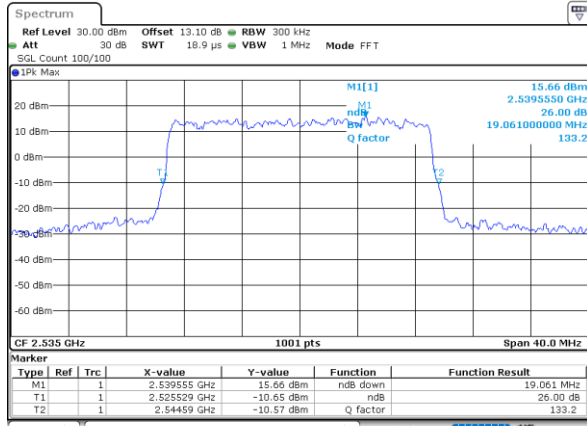


Date: 11.APR.2025 23:29:53



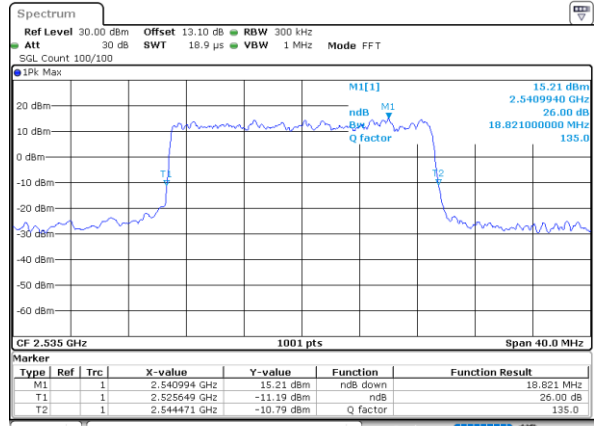
LTE Band 7

Middle Channel / 20MHz / QPSK



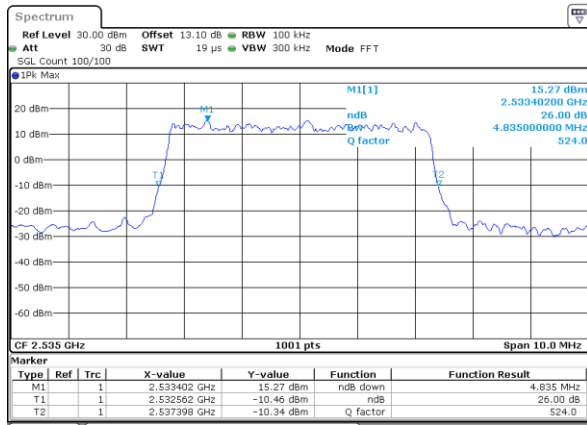
Date: 11.APR.2025 23:30:39

Middle Channel / 20MHz / 16QAM



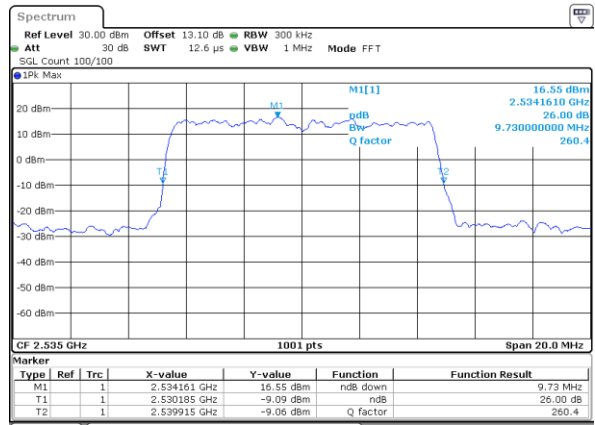
Date: 11.APR.2025 23:31:01

Middle Channel / 5MHz / 64QAM



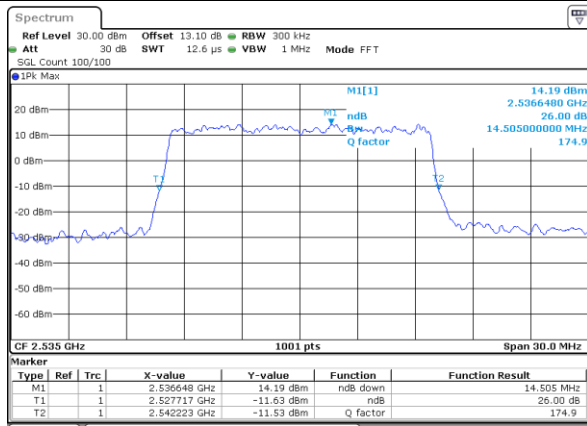
Date: 11.APR.2025 23:27:58

Middle Channel / 10MHz / 64QAM



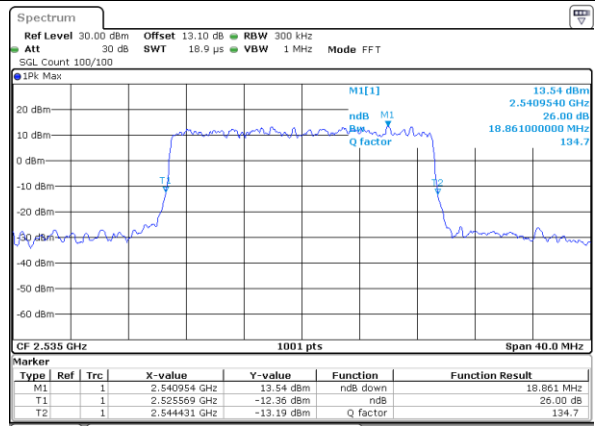
Date: 11.APR.2025 23:29:07

Middle Channel / 15MHz / 64QAM



Date: 11.APR.2025 23:30:15

Middle Channel / 20MHz / 64QAM



Date: 11.APR.2025 23:31:23

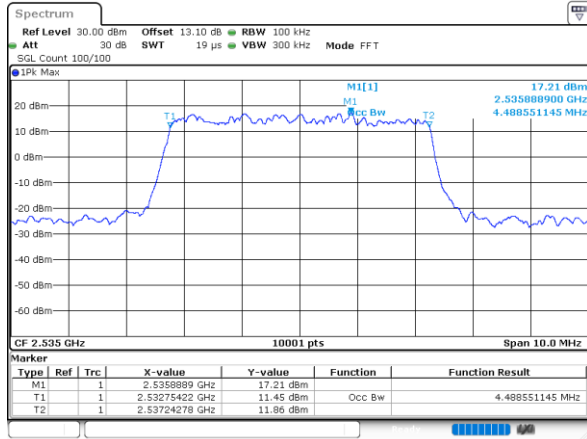
**Occupied Bandwidth**

Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.48	4.49	9.07	8.99	13.39	13.52	17.89	17.86
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.48	-	9.04	-	13.45	-	17.85	-

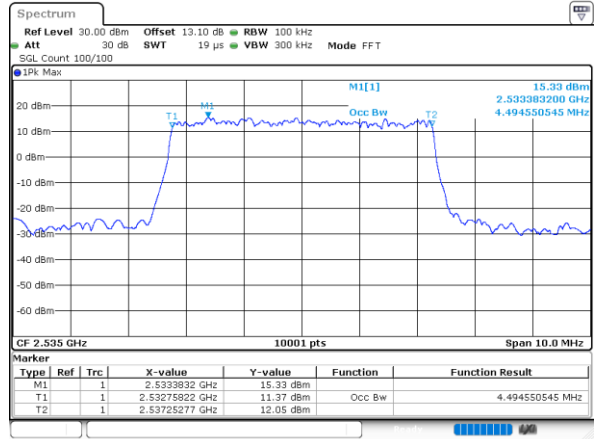


LTE Band 7

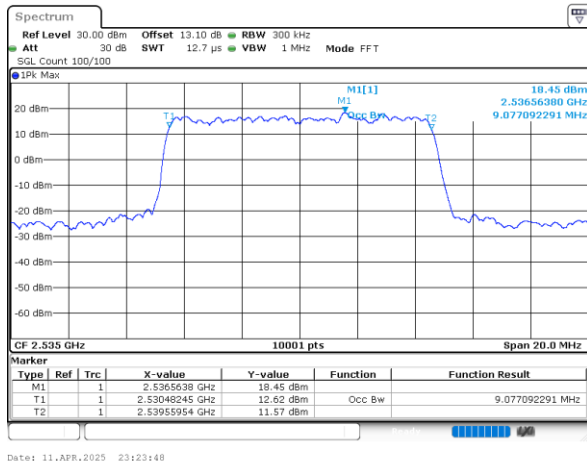
Middle Channel / 5MHz / QPSK



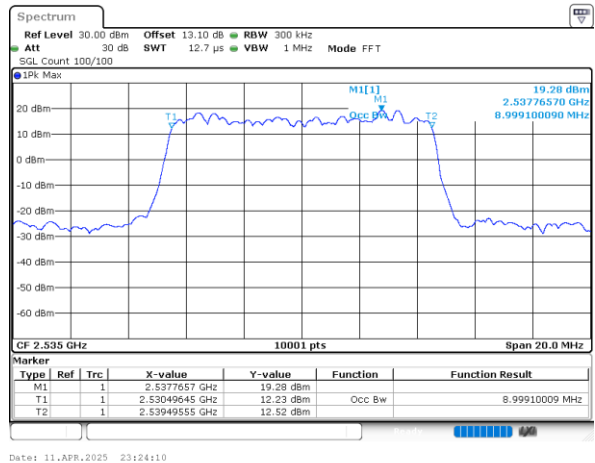
Middle Channel / 5MHz / 16QAM



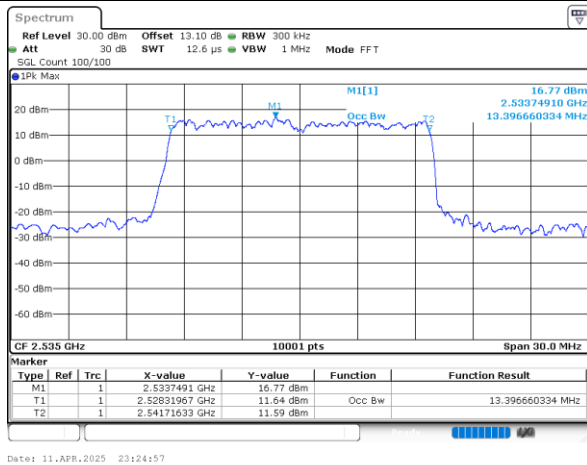
Middle Channel / 10MHz / QPSK



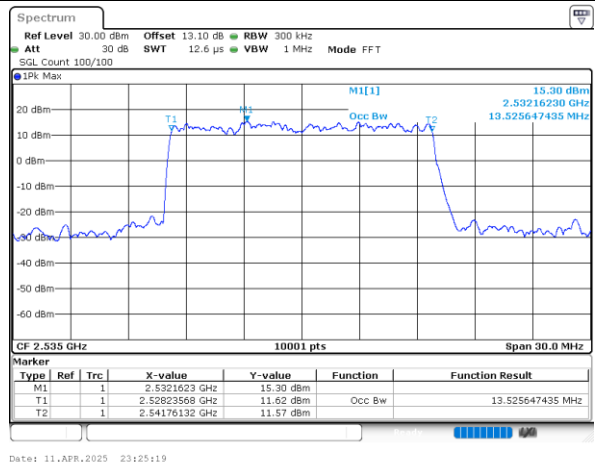
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



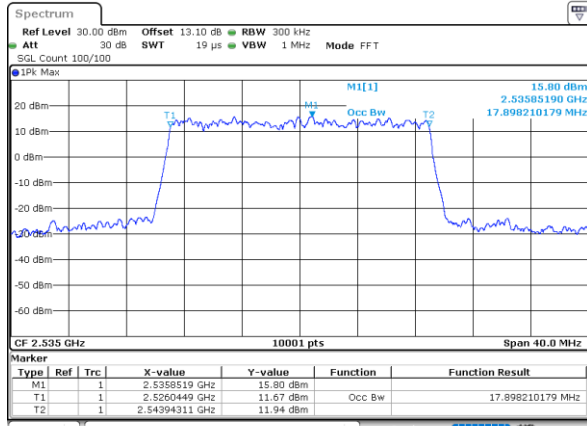
Middle Channel / 15MHz / 16QAM





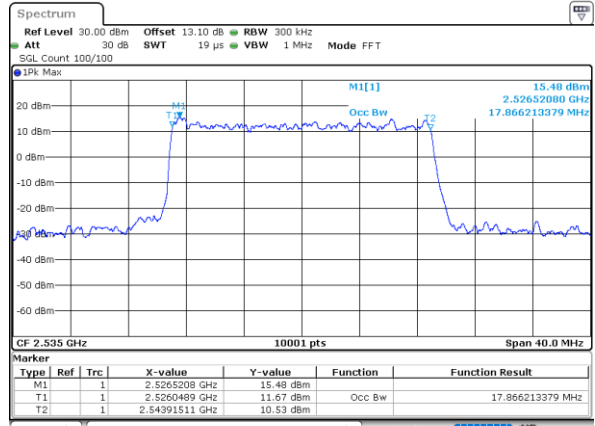
LTE Band 7

Middle Channel / 20MHz / QPSK



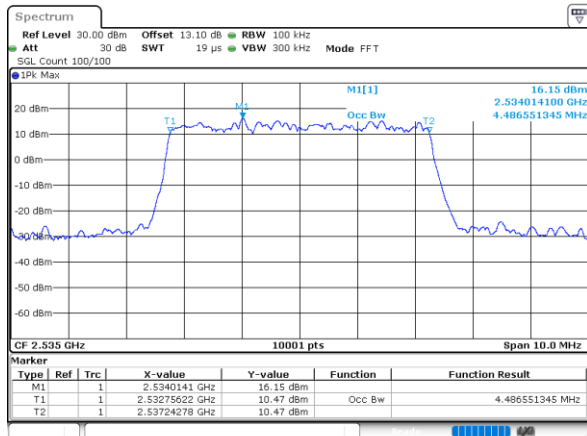
Date: 11.APR.2025 23:26:05

Middle Channel / 20MHz / 16QAM



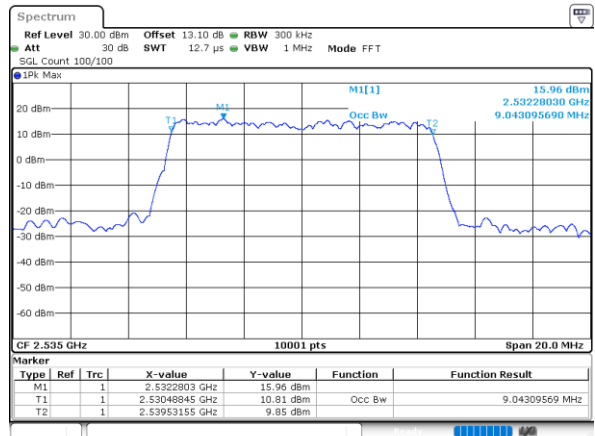
Date: 11.APR.2025 23:26:27

Middle Channel / 5MHz / 64QAM



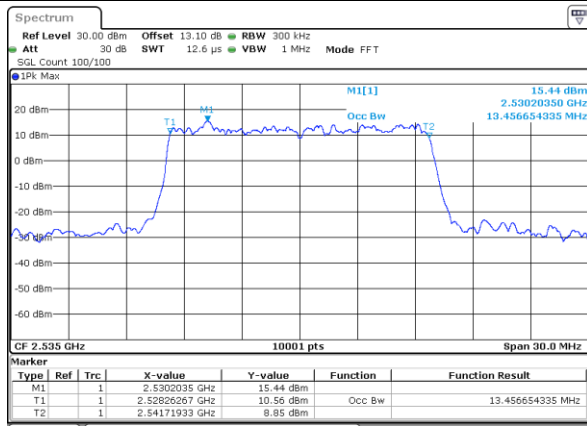
Date: 11.APR.2025 23:23:24

Middle Channel / 10MHz / 64QAM



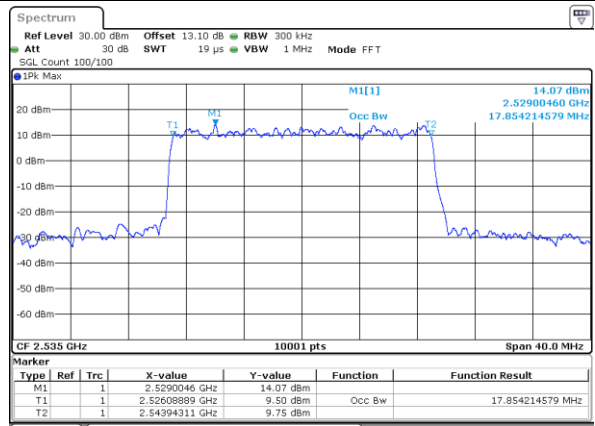
Date: 11.APR.2025 23:24:33

Middle Channel / 15MHz / 64QAM

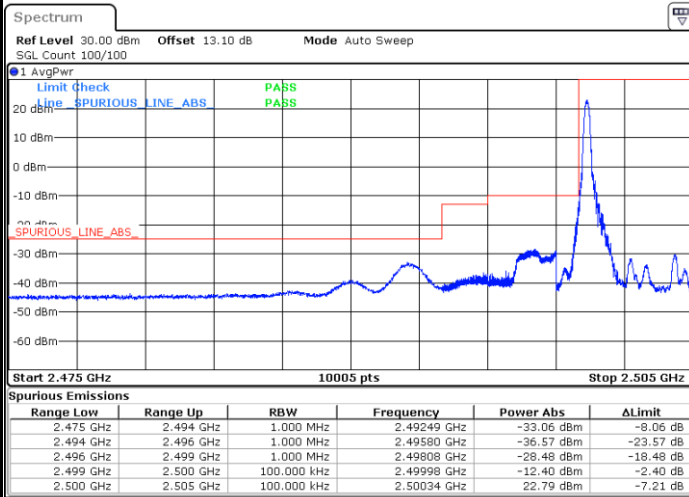
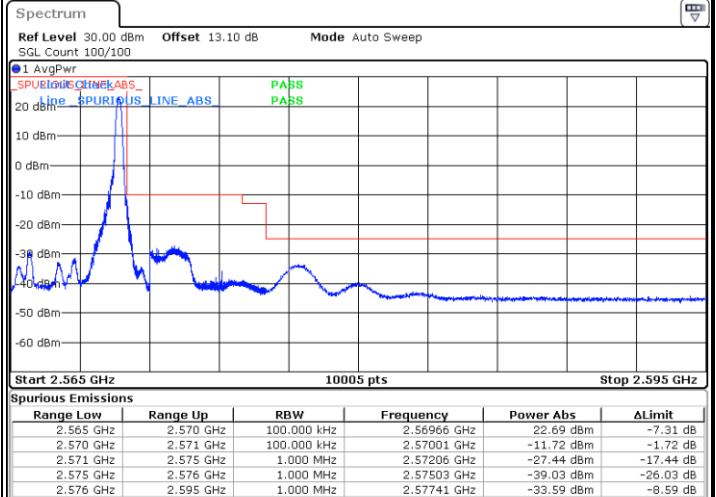
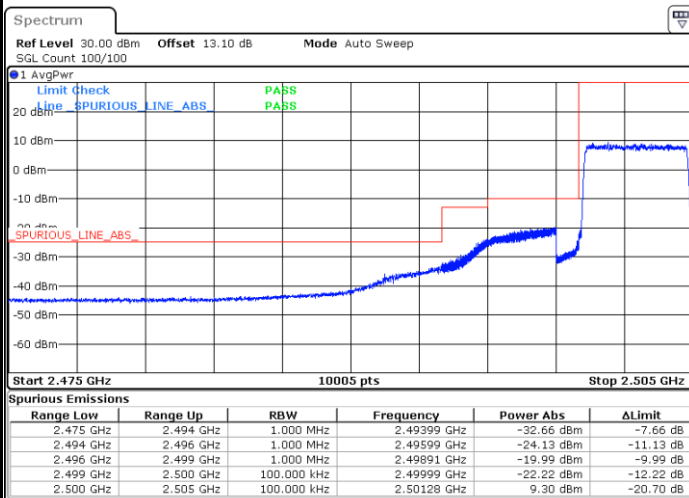
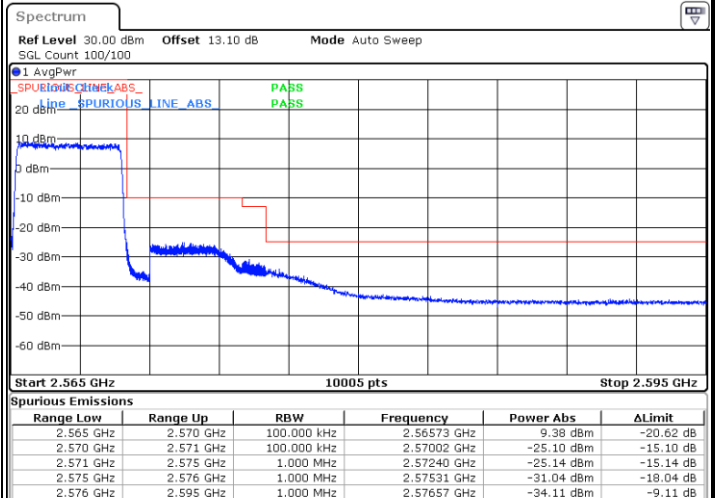


Date: 11.APR.2025 23:25:41

Middle Channel / 20MHz / 64QAM



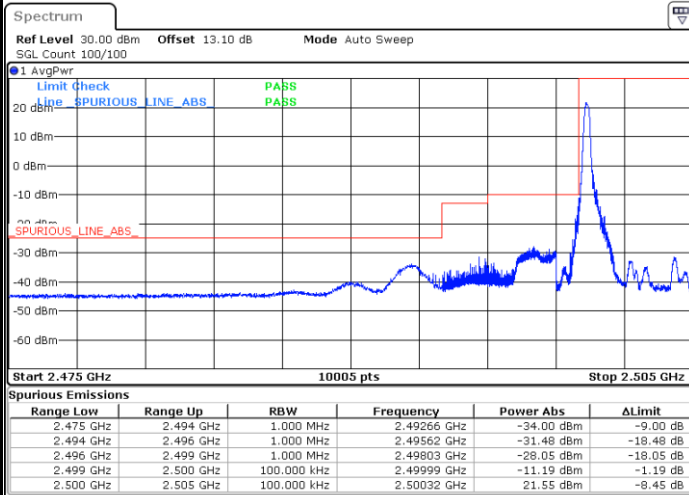
Date: 11.APR.2025 23:26:50

**Conducted Band Edge****LTE Band 7 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

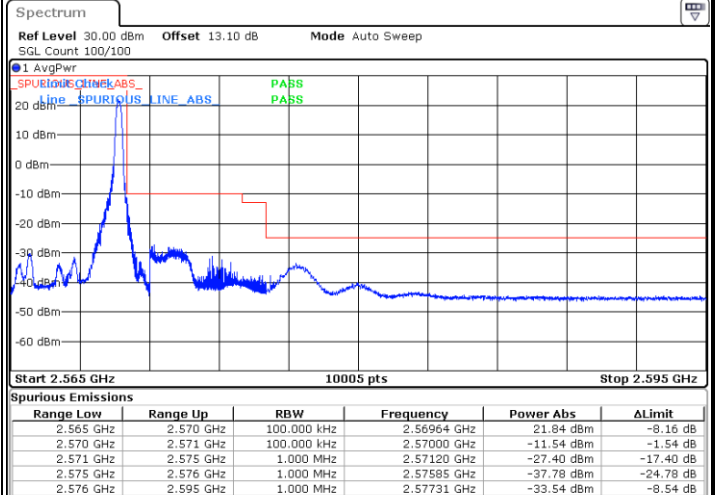


LTE Band 7 / 5MHz / 16QAM

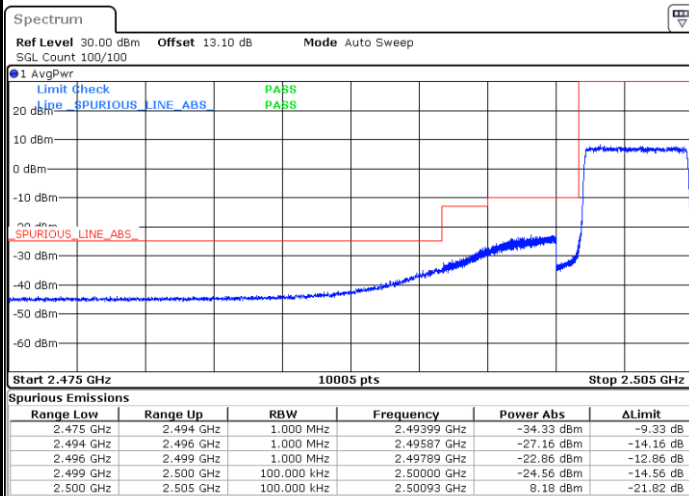
Lowest Band Edge / 1RB



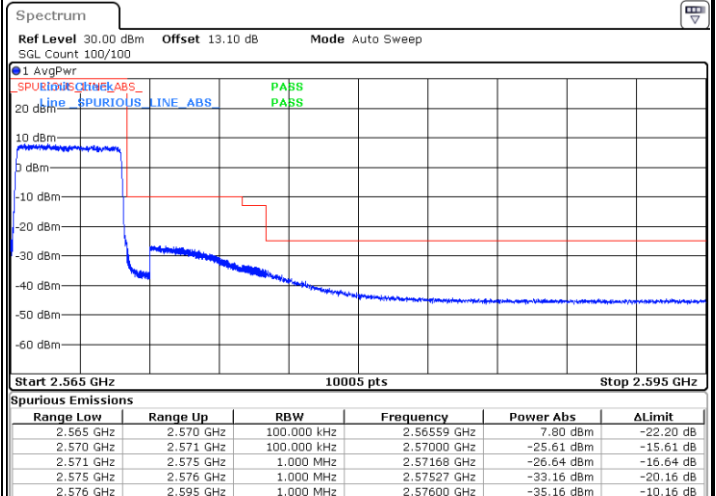
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



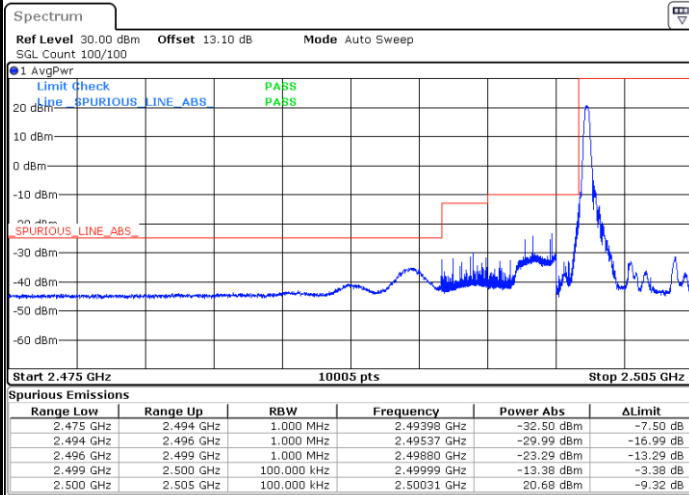
Highest Band Edge / Full RB



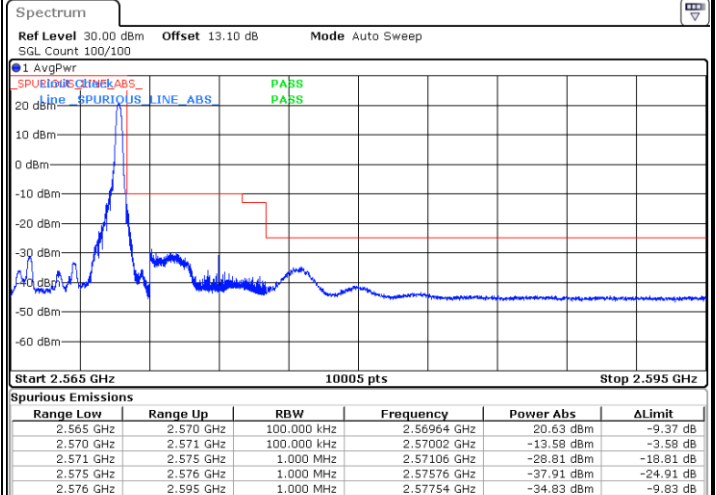


LTE Band 7 / 5MHz / 64QAM

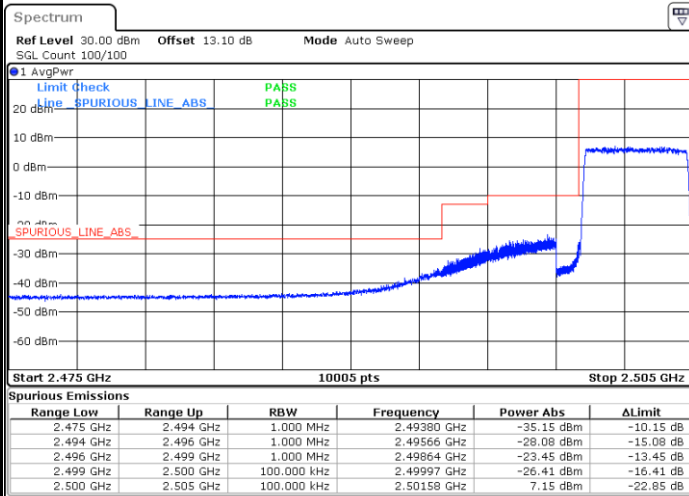
Lowest Band Edge / 1RB



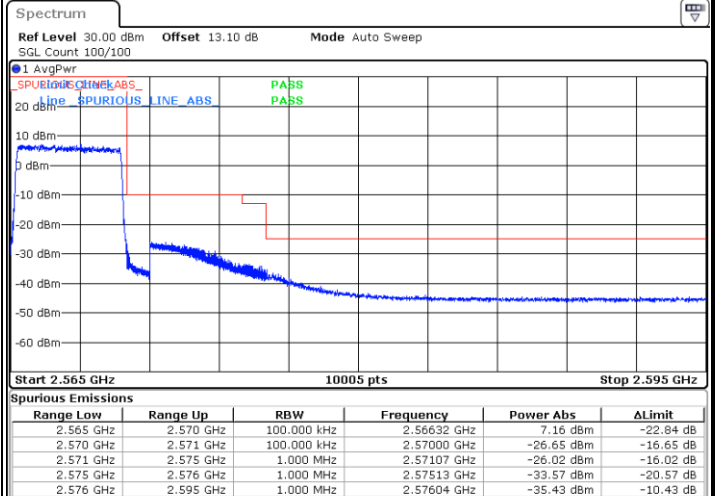
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



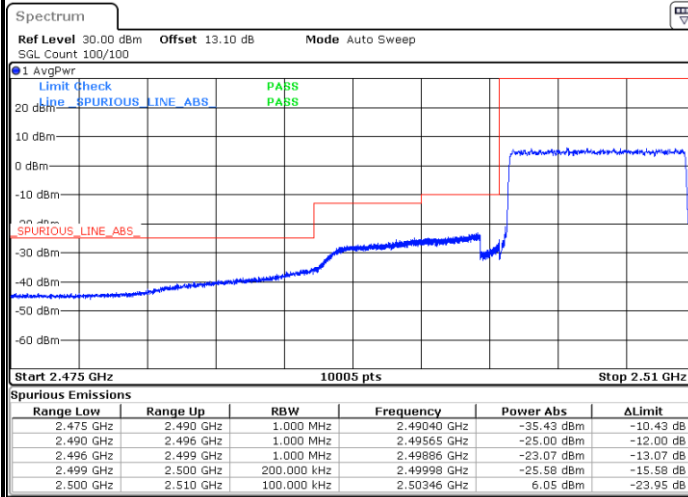
Highest Band Edge / Full RB



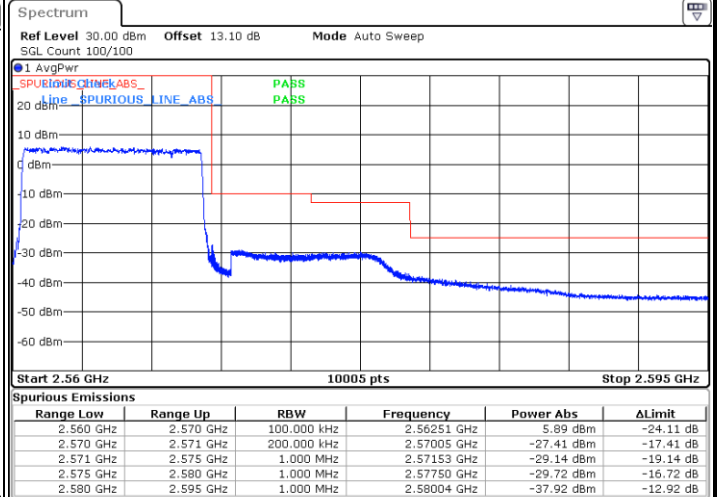


LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / Full RB

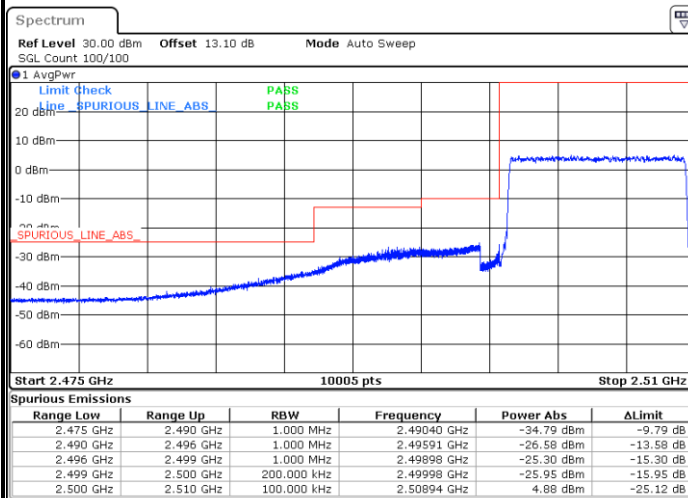


Highest Band Edge / Full RB

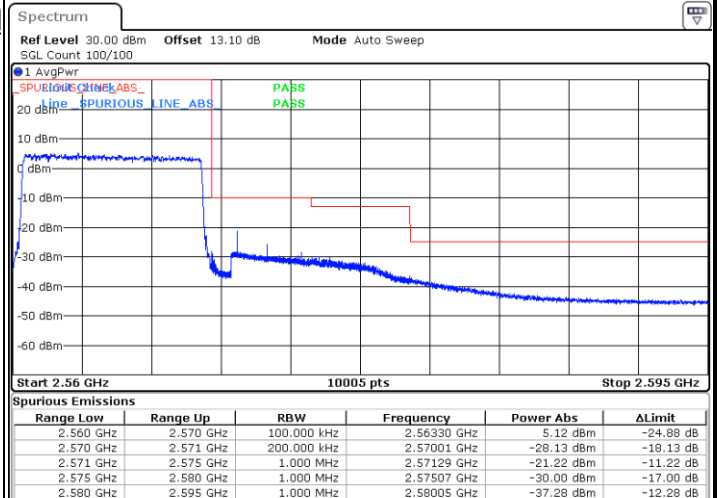


LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

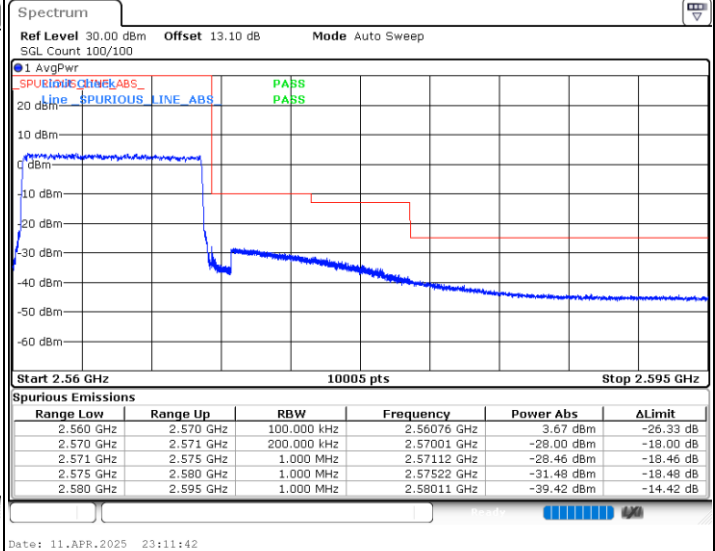
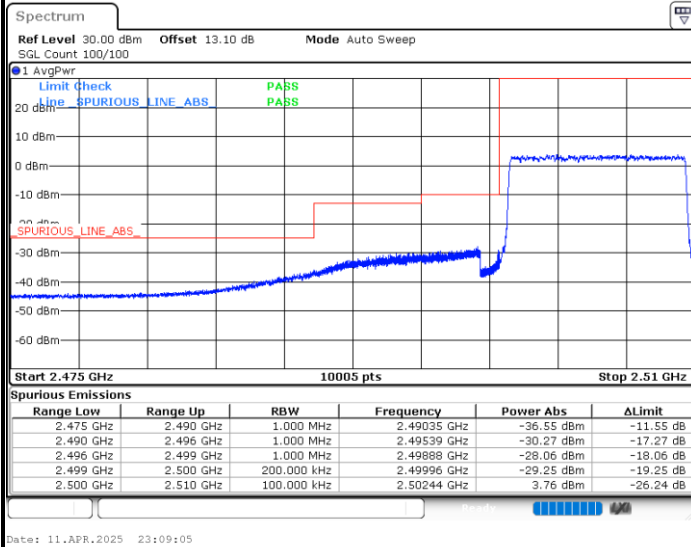




LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / Full RB

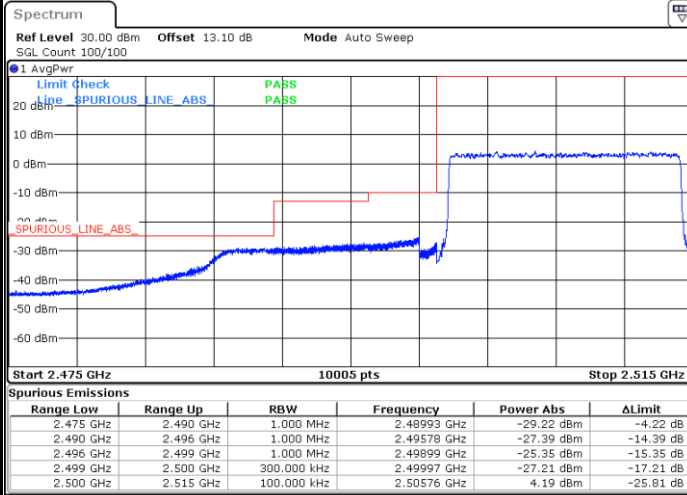
Highest Band Edge / Full RB



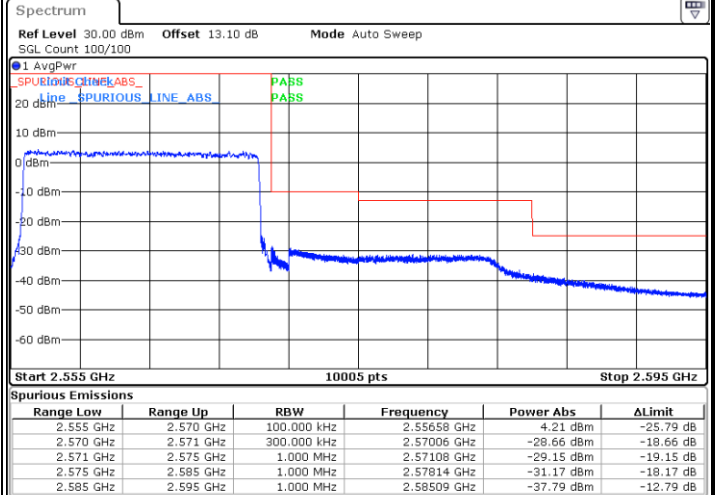


LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / Full RB

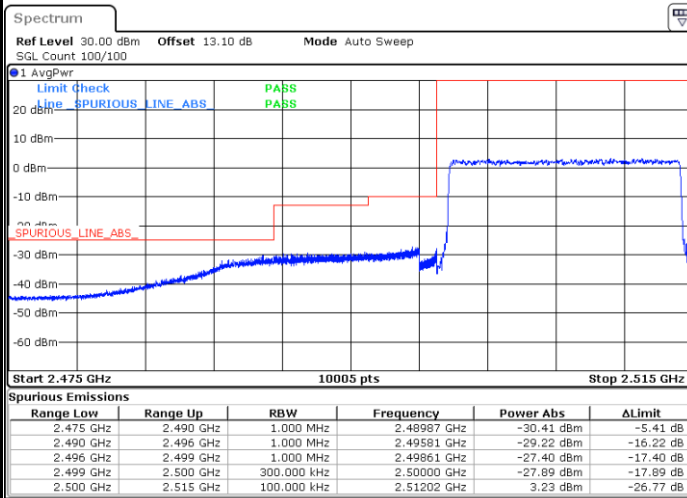


Highest Band Edge / Full RB

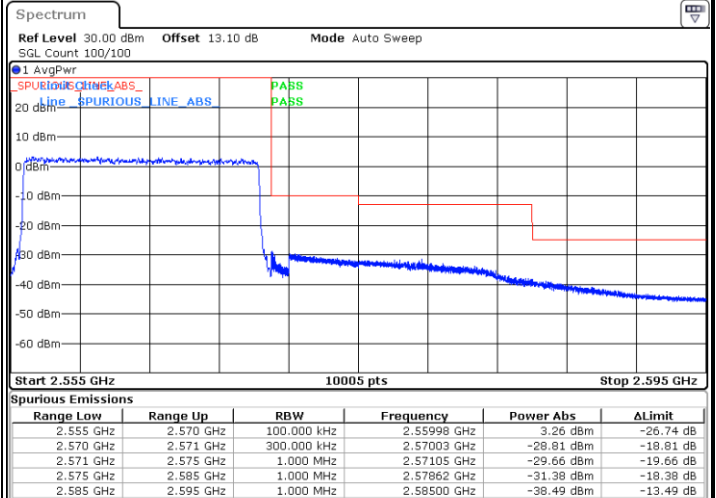


LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / Full RB



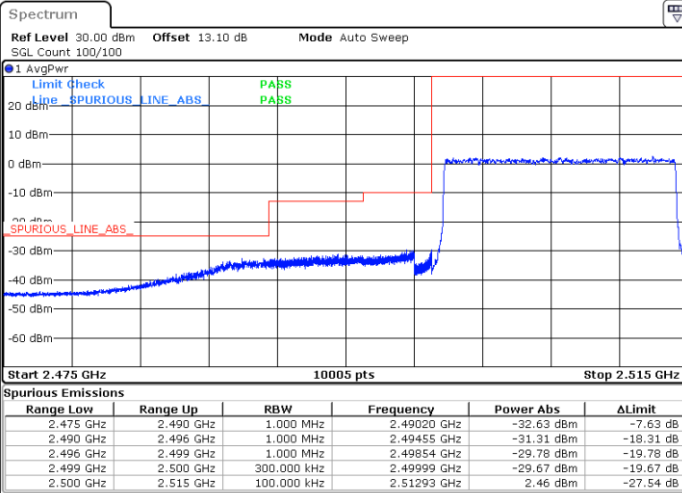
Highest Band Edge / Full RB





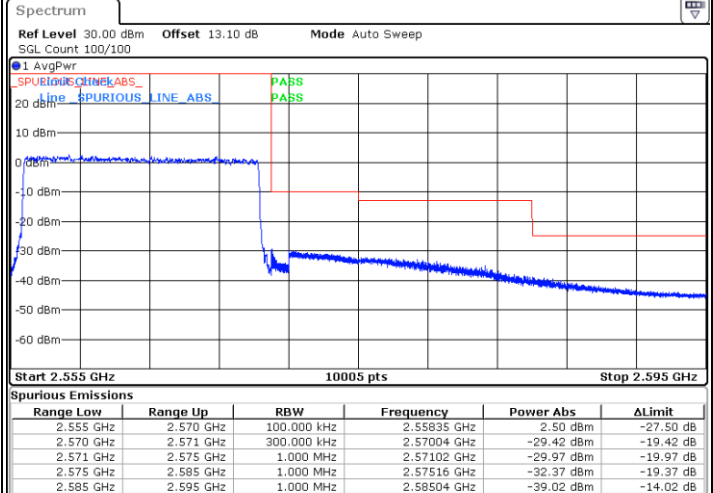
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / Full RB



Date: 11.APR.2025 23:14:21

Highest Band Edge / Full RB

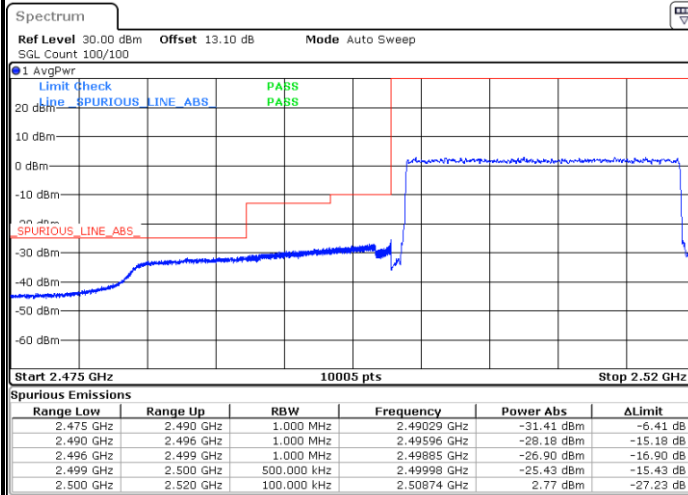


Date: 11.APR.2025 23:16:59

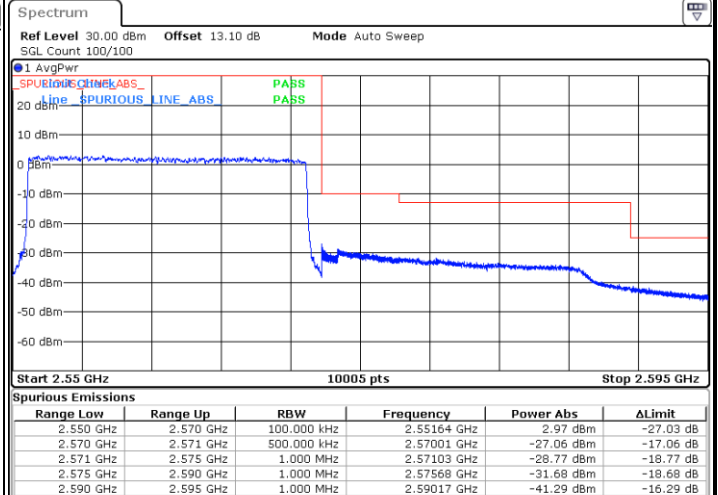


LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / Full RB

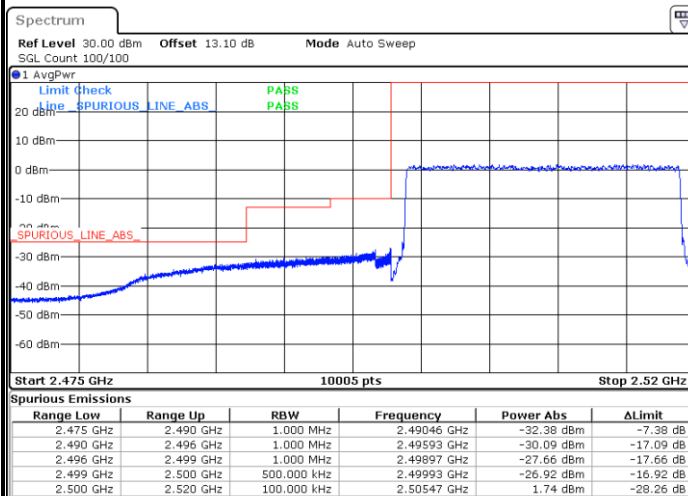


Highest Band Edge / Full RB

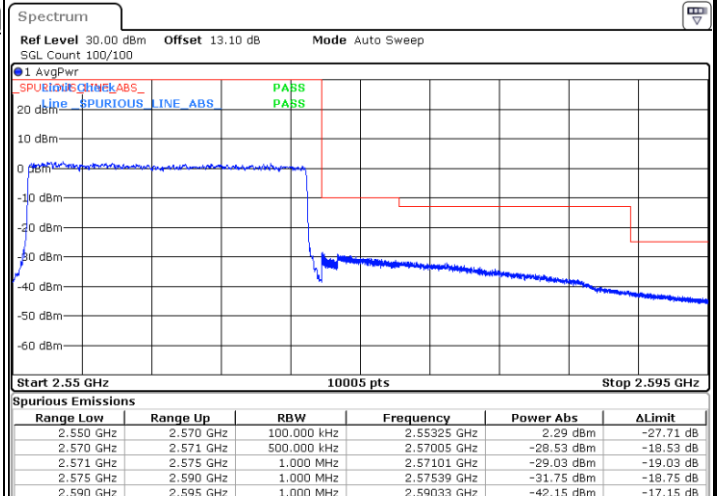


LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

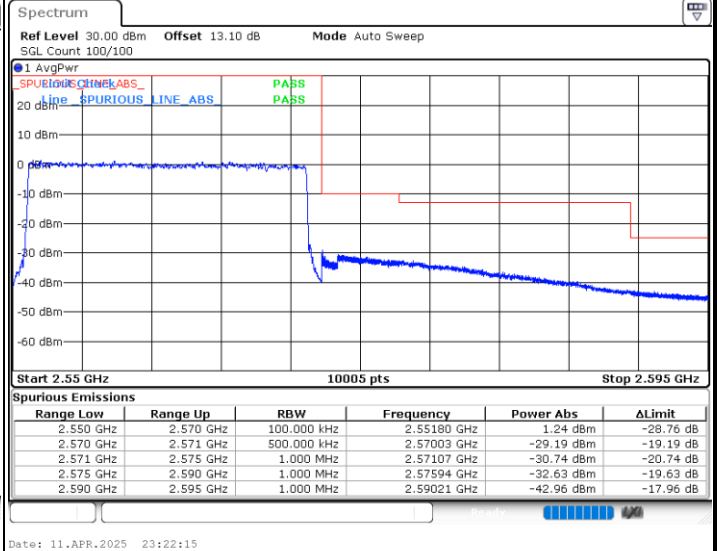
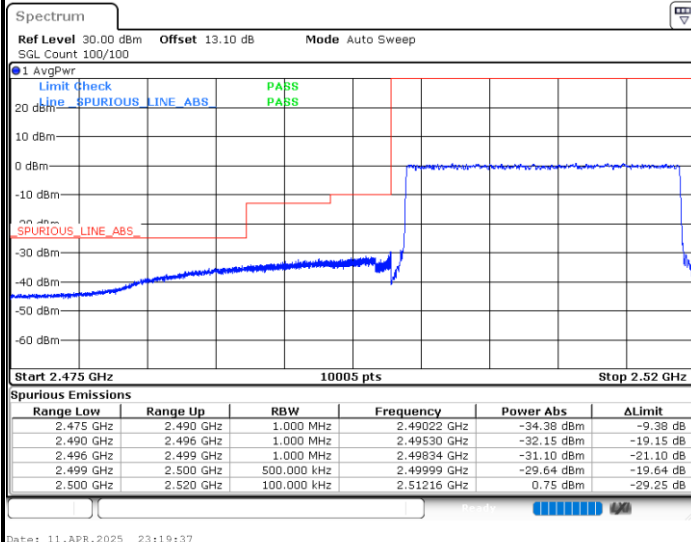




LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

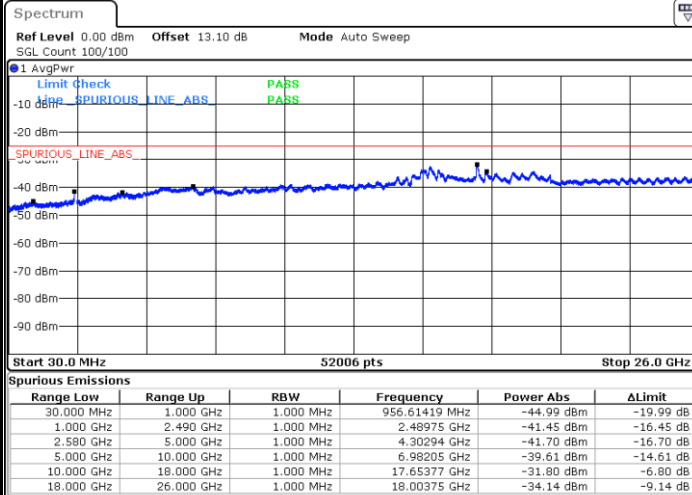




Conducted Spurious Emission

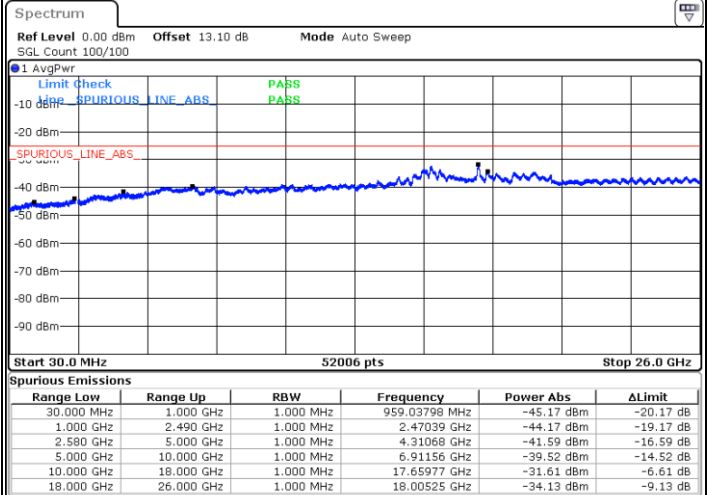
LTE Band 7 / 5MHz

Lowest Channel / QPSK



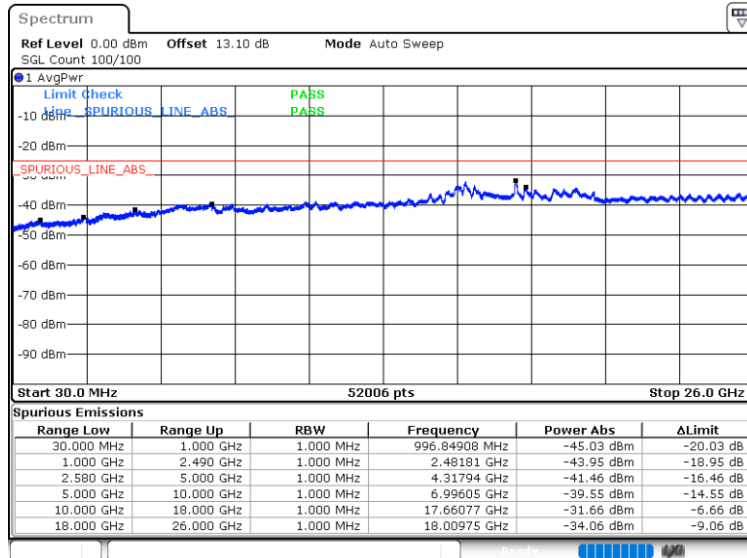
Date: 11.APR.2025 23:32:35

Middle Channel / QPSK



Date: 11.APR.2025 23:33:47

Highest Channel / QPSK

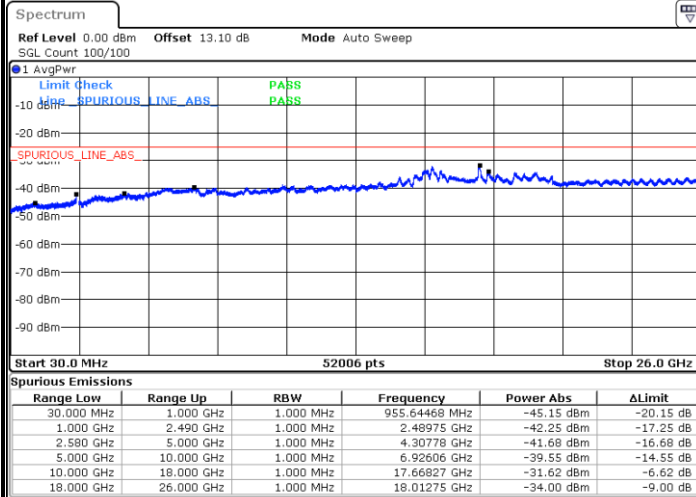


Date: 11.APR.2025 23:34:59



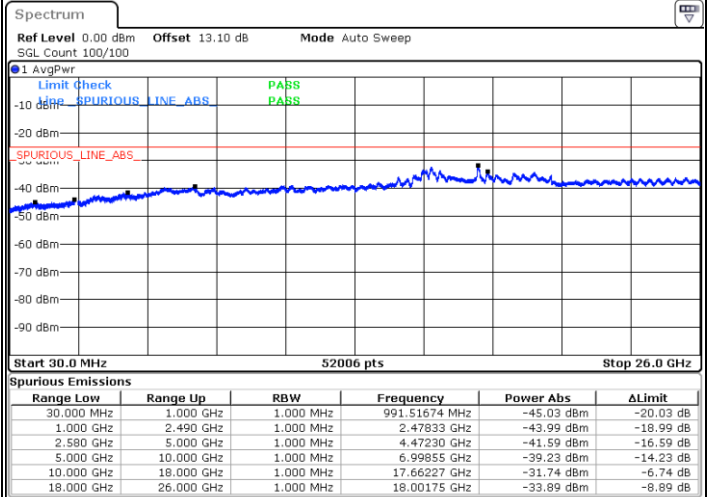
LTE Band 7 / 10MHz

Lowest Channel / QPSK



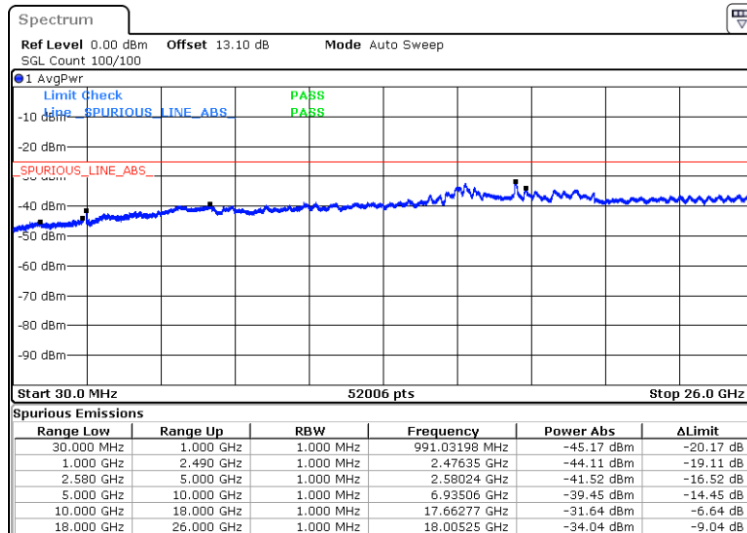
Date: 11.APR.2025 23:36:12

Middle Channel / QPSK



Date: 11.APR.2025 23:37:24

Highest Channel / QPSK

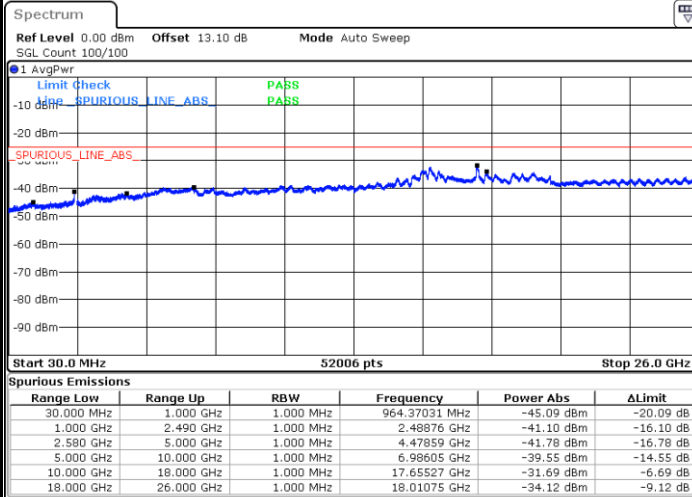


Date: 11.APR.2025 23:38:36



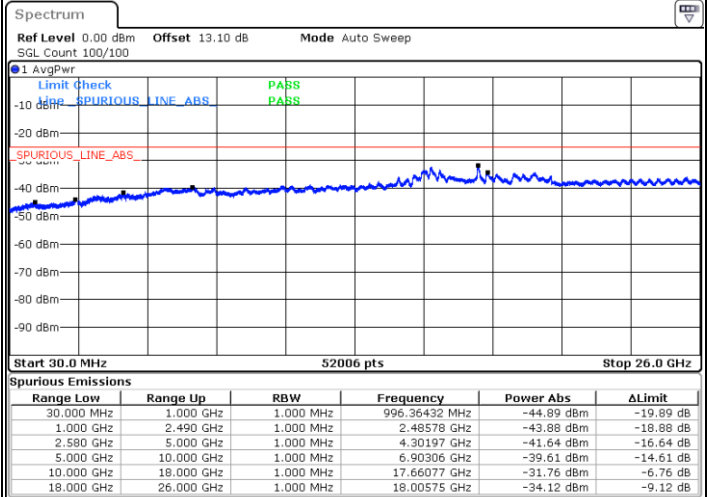
LTE Band 7 / 15MHz

Lowest Channel / QPSK



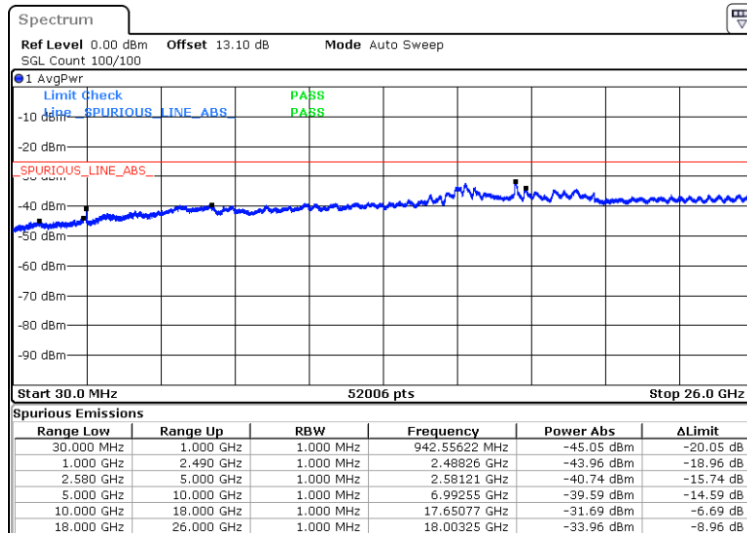
Date: 11.APR.2025 23:39:49

Middle Channel / QPSK



Date: 11.APR.2025 23:41:01

Highest Channel / QPSK

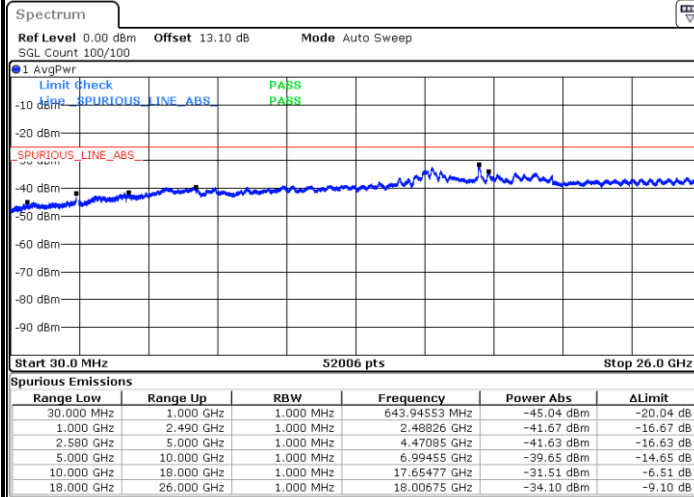


Date: 11.APR.2025 23:42:13



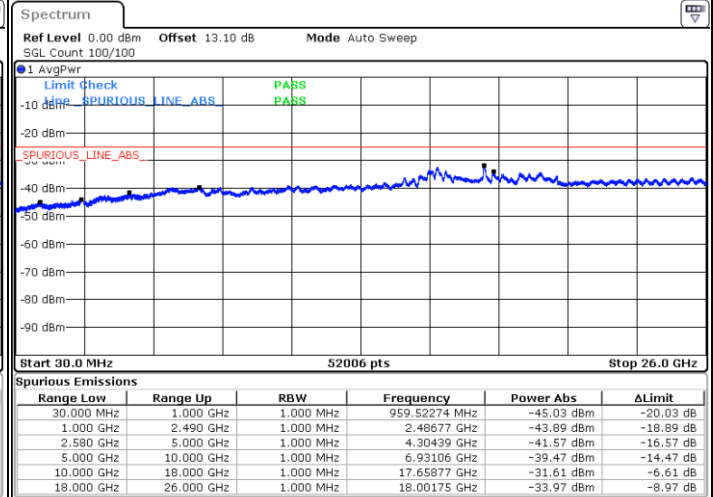
LTE Band 7 / 20MHz

Lowest Channel / QPSK



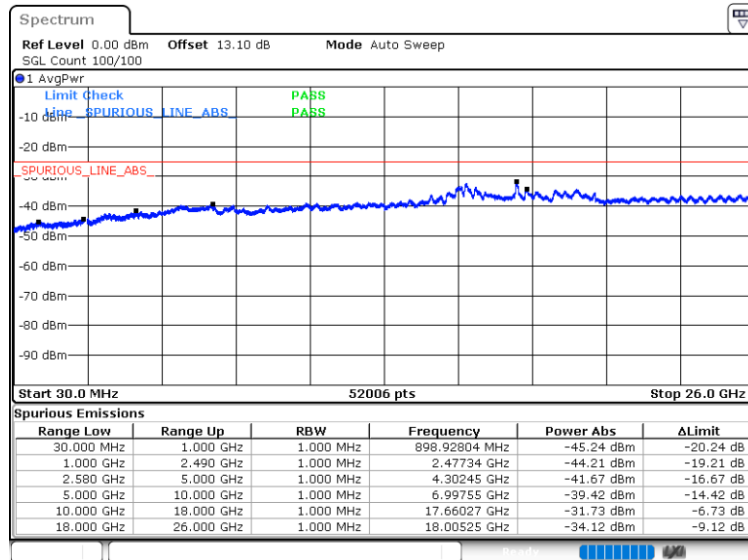
Date: 11.APR.2025 23:43:26

Middle Channel / QPSK



Date: 11.APR.2025 23:44:38

Highest Channel / QPSK



Date: 11.APR.2025 23:45:50

Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0039	PASS
40	Normal Voltage	0.0044	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0045	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0042	
20	Maximum Voltage	0.0041	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0010	

Note:

1. Normal Voltage = 3.8 V. ; Minimum Voltage = 3.4 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



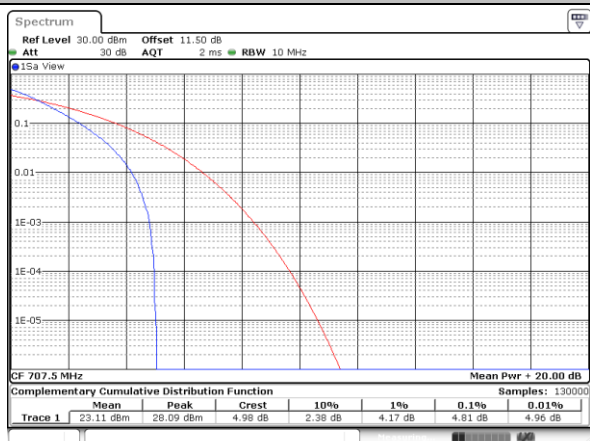
LTE Band 12

Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.81	5.59	6.03	-	PASS

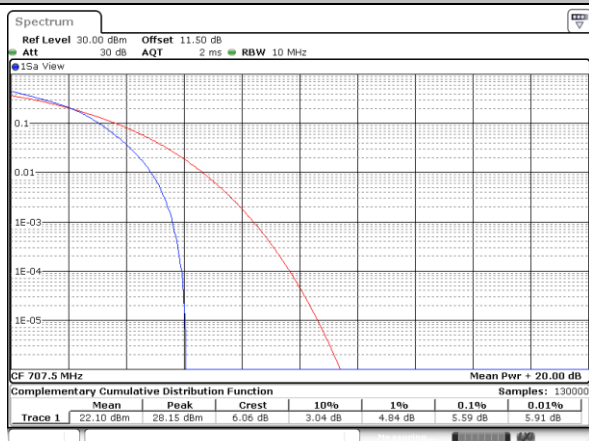
LTE Band 12 / 10MHz / QPSK

Middle Channel / Full RB



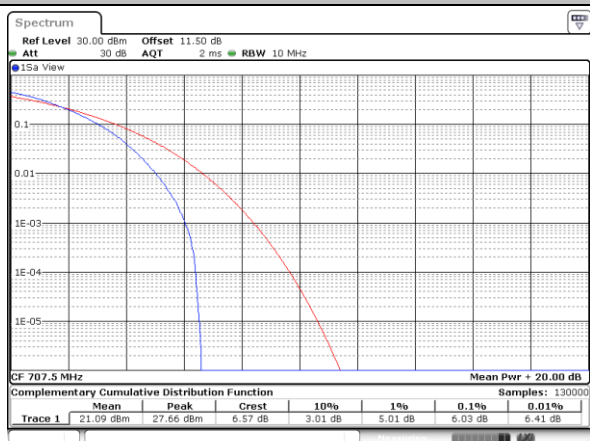
LTE Band 12 / 10MHz / 16QAM

Middle Channel / Full RB



LTE Band 12 / 10MHz / 64QAM

Middle Channel / Full RB



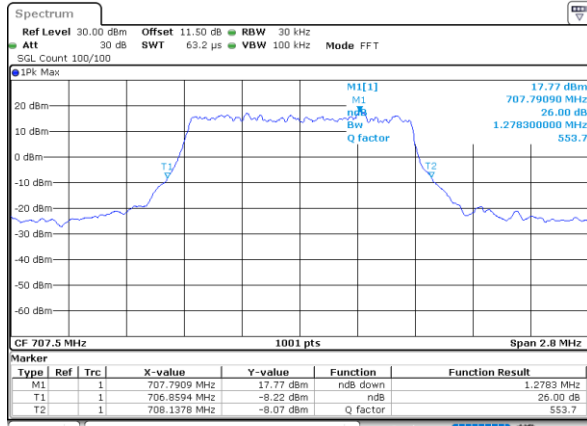
**26dB Bandwidth**

Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.27	1.28	3.03	2.99	4.92	4.88	9.71	9.86	-	-	-	-
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.28	-	2.97	-	4.87	-	9.83	-	-	-	-	-



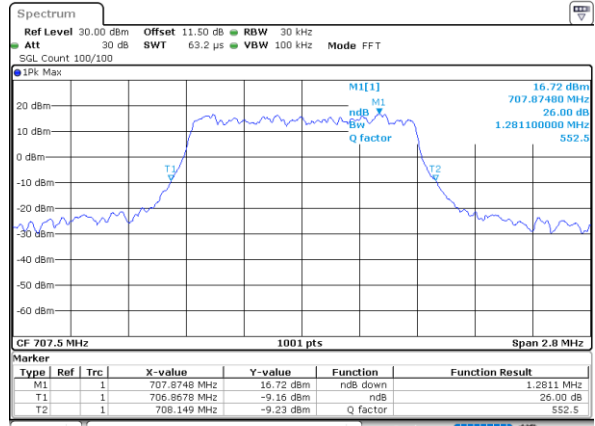
LTE Band 12

Middle Channel / 1.4MHz / QPSK



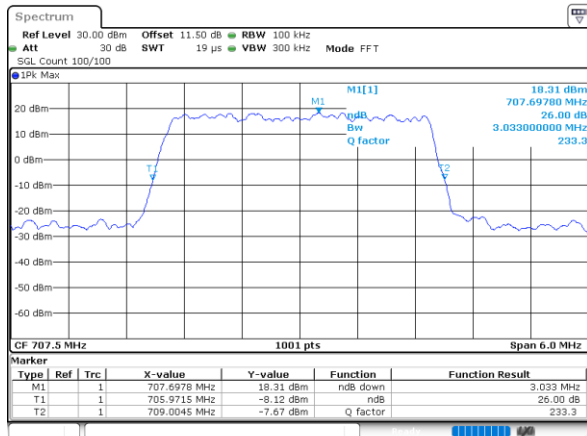
Date: 12.APR.2025 00:37:27

Middle Channel / 1.4MHz / 16QAM



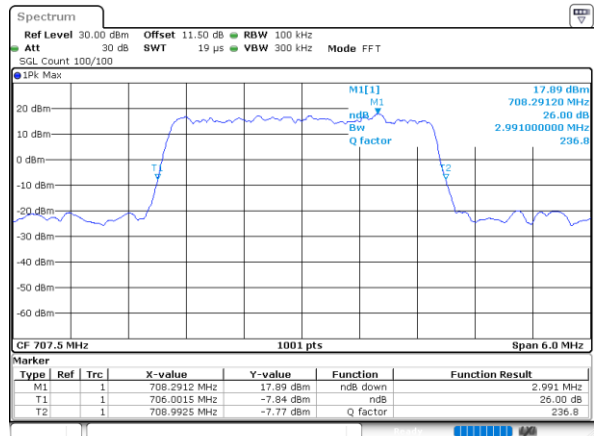
Date: 12.APR.2025 00:37:49

Middle Channel / 3MHz / QPSK



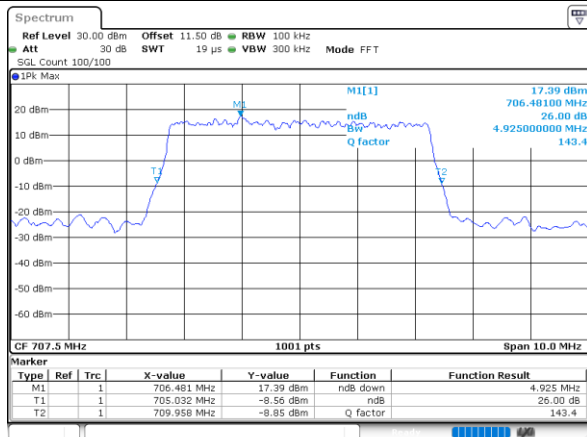
Date: 12.APR.2025 00:38:35

Middle Channel / 3MHz / 16QAM



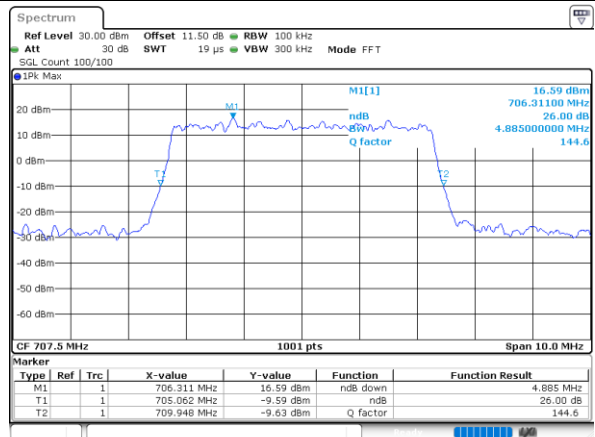
Date: 12.APR.2025 00:38:57

Middle Channel / 5MHz / QPSK



Date: 12.APR.2025 00:39:44

Middle Channel / 5MHz / 16QAM

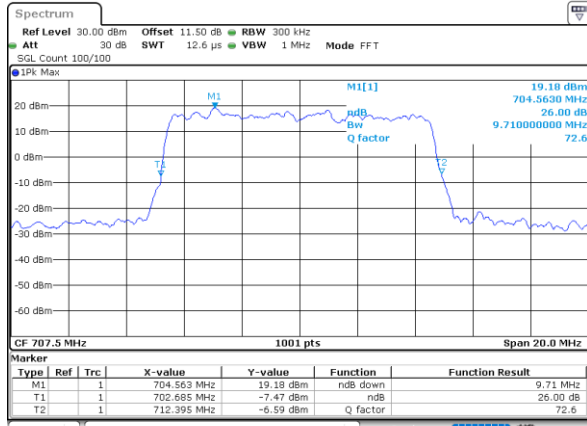


Date: 12.APR.2025 00:40:06



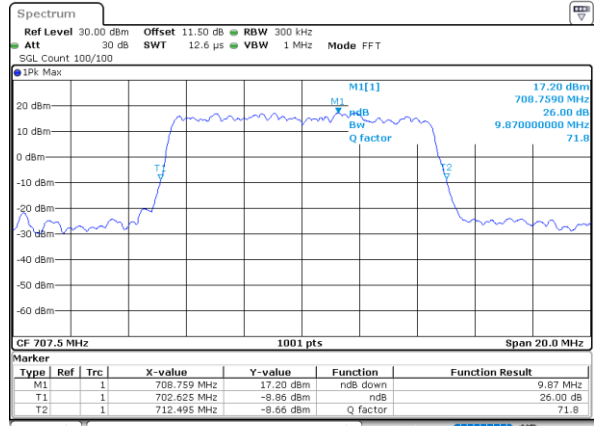
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 12.APR.2025 00:40:52

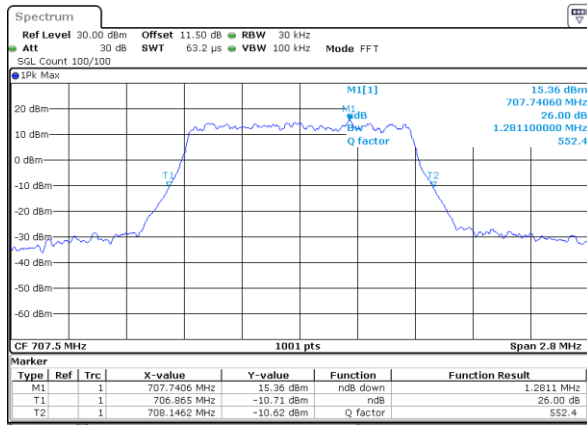
Middle Channel / 10MHz / 16QAM



Date: 12.APR.2025 00:41:14

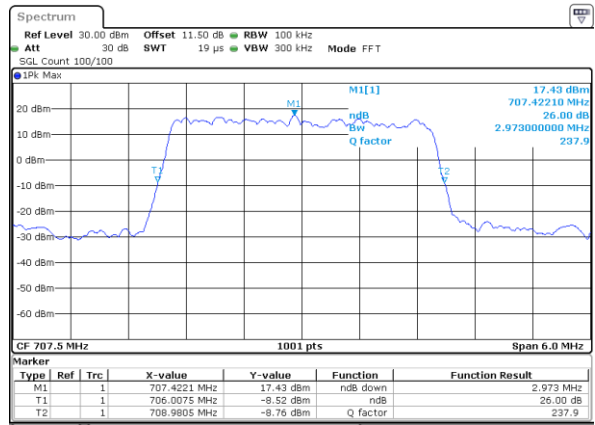
LTE Band 12

Middle Channel / 1.4MHz / 64QAM



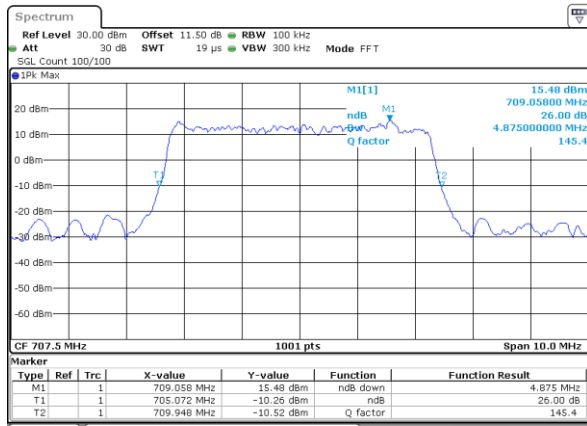
Date: 12.APR.2025 00:38:11

Middle Channel / 3MHz / 64QAM



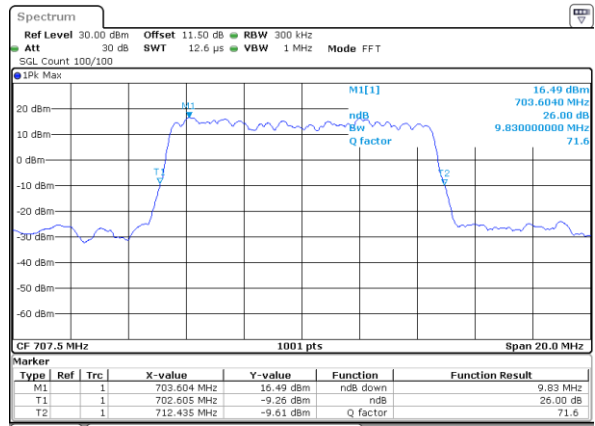
Date: 12.APR.2025 00:39:20

Middle Channel / 5MHz / 64QAM



Date: 12.APR.2025 00:40:28

Middle Channel / 10MHz / 64QAM



Date: 12.APR.2025 00:41:37

**Occupied Bandwidth**

Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.08	1.09	2.71	2.71	4.48	4.48	8.99	9.01	-	-	-	-
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.09	-	2.72	-	4.47	-	9.01	-	-	-	-	-