

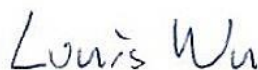


FCC RADIO TEST REPORT

FCC ID : GKRRMLN1T
Equipment : 5G LGA Module
Brand Name : COMPAL
Model Name : RML-N1t
Marketing Name : 5G LGA Module
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

The product was received on Mar. 01, 2024 and testing was performed from Mar. 08, 2024 to Mar. 23, 2024. 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 variant 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.



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.)



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History of this test report

Report No.	Version	Description	Issue Date
FG422012A	01	Initial issue of report	Apr. 19, 2024

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Reporting only	-
	§22.913 (a)(5)	Effective Radiated Power (Band 5)	Pass	
	§27.50 (c)(10)	Effective Radiated Power (Band 12) (Band 71)		
	§24.232 (c) §27.50 (h)(2)	Equivalent Isotropic Radiated Power (Band 2) (Band 25) (Band 41)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)		
-	§24.232 (d) §27.50 (d)(5)	Peak-to-Average Ratio	Not Required	-
-	§2.1049	Occupied Bandwidth	Reporting only	-
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g) §27.53 (h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 25) (Band 66) (Band 71)	Not Required	-
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (Band 41)		
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g) §27.53 (h)	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 25) (Band 66) (Band 71)	Not Required	-
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (Band 41)		
-	§2.1055 §22.355 §24.235 §27.54	Frequency Stability Temperature & Voltage	Not Required	-



Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
4.2	§2.1053 §22.917 (a) §24.238 (a) §27.53 (g) §27.53 (h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 25) (Band 66) (Band 71)	Pass	16.20 dB under the limit at 11385.00 MHz
	§2.1053 §27.53 (m)(4)	Radiated Spurious Emission (Band 41)		

Remark:

1. Not required means after assessing, test items are not necessary to carry out.
2. This is a variant report by changing module trace design. All the test cases were performed on original report which can be referred to Sporton Report Number FG2N2510-01A. Based on the original report, the test cases were verified.

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: Lucy Wu**

1 General Description

1.1 Product Feature of Equipment Under Test

LTE/5G NR and GNSS

Support band and evaluated information	
Supported band	B2, B4, B5, B12, B25, B41, B66, B71, B2C, B41C, B66B, B66C
Evaluated and Tested band	B2, B4, B5, B12, B25, B41, B66, B71, B2C, B41C, B66B, B66C
Band covered information	Wider operating frequency band range covers narrower one when the power is worse as follows: ■ B66 cover B4 (Part 27)

FDD/TDD band Power Class		
	PC3	PC2
B2/ B2C	V	
B4	V	
B5	V	
B12	V	
B25	V	
B41/ B41C	V	V
B66/ B66B/ B66C	V	
B71	V	

RF Exposure							
Max Antenna Gain information(dBi)							
Band	Ant0	Ant2					Main Ant. #
B2		8					2
B4		5					2
B5	6						0
B12	5.5						0
B25		8					2
B41		6.8					2
B66	5	5					2
B71	5						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	Ekko You
Temperature (°C)	21.3~22.9
Relative Humidity (%)	48.8~54.6

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. 03CH16-HY (TAF Code: 3786)
Test Engineer	Bill Chang, Gary Guo and Steven Wu
Temperature (°C)	19.1~22.3
Relative Humidity (%)	62.5~68.3
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
- ♦ 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. 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..

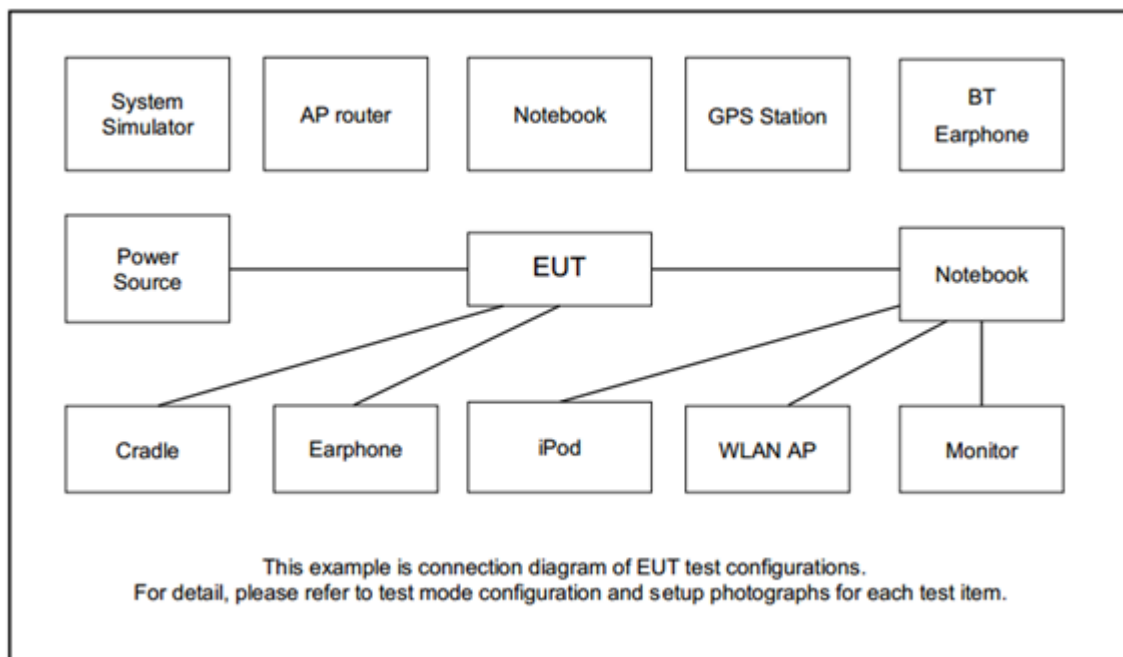
Modulation Type	Modulation
A	QPSK
B	16QAM
C	64QAM
D	256QAM

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B	All	1, Half, Full	L, M, H
ERP/EIRP	A, B	All	1, Half, Full	L, M, H
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. Output Conducted Power was spot checks Original models worse case Modulation

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, 1.8 m
2.	Fixture	Compal	ZM29	N/A	N/A	N/A
3.	Antenna	Inpaq	ANT0	N/A	N/A	N/A
4.	Antenna	Inpaq	ANT2	N/A	N/A	N/A
5.	Antenna	Inpaq	ANT4	N/A	N/A	N/A

2.4 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 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 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 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 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



LTE Band 2C Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
10 + 15	PCC	Channel	18653	18829	19005
		Frequency	1855.3	1872.9	1890.5
	SCC	Channel	18773	18949	19125
		Frequency	1867.3	1884.9	1902.5
15 + 10	PCC	Channel	18675	18851	19027
		Frequency	1857.5	1875.1	1892.7
	SCC	Channel	18795	18971	19147
		Frequency	1869.5	1887.1	1904.7
10 + 20	PCC	Channel	18655	18806	18956
		Frequency	1855.5	1870.6	1885.6
	SCC	Channel	18799	18950	19100
		Frequency	1869.9	1885	1900
20 + 10	PCC	Channel	18700	18551	19001
		Frequency	1860	1875.1	1890.1
	SCC	Channel	18844	18995	19145
		Frequency	1874.4	1889.5	1904.5
15 + 15	PCC	Channel	18675	18825	18975
		Frequency	1857.5	1872.5	1887.5
	SCC	Channel	18825	18975	19125
		Frequency	1872.5	1887.5	1902.5
15 + 20	PCC	Channel	18678	18803	18929
		Frequency	1857.8	1870.3	1882.9
	SCC	Channel	18849	18974	19100
		Frequency	1874.9	1887.4	1900
20 + 20	PCC	Channel	18700	18801	18902
		Frequency	1860	1870.1	1880.2
	SCC	Channel	18898	18999	19100
		Frequency	1879.8	1889.9	1900
20 + 15	PCC	Channel	18700	18826	18951
		Frequency	1860	1872.6	1885.1
	SCC	Channel	18871	18997	19122
		Frequency	1877.1	1889.7	1902.2

LTE Band 2C Channel and Frequency List_CA					
20 + 5	PCC	Channel	18700	18875	19050
		Frequency	1860	1877.5	1895
	SCC	Channel	18817	18992	19167
		Frequency	1871.7	1889.2	1906.7
5 + 20	PCC	Channel	18633	18808	18983
		Frequency	1853.3	1870.8	1888.3
	SCC	Channel	18750	18925	19100
		Frequency	1865	1882.5	1900

LTE Band 41C Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	39750	40521	41292
		Frequency	2506.0	2583.1	2660.2
	SCC	Channel	39948	40719	41490
		Frequency	2525.8	2602.9	2680.0
20 + 15	PCC	Channel	39750	40546	41341
		Frequency	2506.0	2585.6	2665.1
	SCC	Channel	39921	40717	41512
		Frequency	2523.1	2602.7	2682.2
15 + 20	PCC	Channel	39728	40523	41319
		Frequency	2503.8	2593.3	2662.9
	SCC	Channel	39899	40694	41490
		Frequency	2520.9	2600.4	2680.0
20 + 10	PCC	Channel	39750	40571	41391
		Frequency	2506.0	2588.1	2670.1
	SCC	Channel	39894	40715	41535
		Frequency	2520.4	2602.5	2684.5
10 + 20	PCC	Channel	39705	40526	41346
		Frequency	2501.5	2583.6	2665.6
	SCC	Channel	39849	40670	41490
		Frequency	2515.9	2598.0	2680.0

LTE Band 41C Channel and Frequency List_CA					
20 + 5	PCC	Channel	39750	40595	41440
		Frequency	2506.0	2590.5	2675.0
	SCC	Channel	39867	40712	41557
		Frequency	2517.7	2602.2	2686.7
5 + 20	PCC	Channel	39683	40528	41373
		Frequency	2499.3	2583.8	2668.3
	SCC	Channel	39800	40645	41490
		Frequency	2511.0	2595.5	2680.0
15 + 15	PCC	Channel	39725	40545	41365
		Frequency	2503.5	2585.5	2667.5
	SCC	Channel	39875	40695	41515
		Frequency	2518.5	2600.5	2682.5
10 + 15	PCC	Channel	39703	40549	41395
		Frequency	2501.3	2585.9	2670.5
	SCC	Channel	39823	40669	41515
		Frequency	2513.3	2597.9	2682.5
15 + 10	PCC	Channel	39725	40571	41417
		Frequency	2503.5	2588.1	2672.7
	SCC	Channel	39845	40691	41537
		Frequency	2515.5	2600.1	2684.7



LTE Band 66B Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
5 + 5	PCC	Channel	131997	132398	132599
		Frequency	1712.5	1752.6	1772.7
	SCC	Channel	132045	133346	132647
		Frequency	1717.3	1757.4	1777.5
5 + 10	PCC	Channel	132000	132375	132550
		Frequency	1712.8	1750.3	1767.8
	SCC	Channel	132072	133347	132622
		Frequency	1720.0	1757.5	1775.0
10 + 5	PCC	Channel	132022	132397	132572
		Frequency	1715.0	1752.5	1770.0
	SCC	Channel	132094	133369	132644
		Frequency	1722.2	1759.7	1777.2
5 + 15	PCC	Channel	132002	132353	132504
		Frequency	1713.0	1748.1	1763.2
	SCC	Channel	132095	133346	132597
		Frequency	1722.3	1757.4	1772.5
15 + 5	PCC	Channel	132047	132398	132549
		Frequency	1717.5	1752.6	1767.7
	SCC	Channel	132140	133391	132642
		Frequency	1726.8	1761.9	1777.0
10 + 10	PCC	Channel	132022	132373	135523
		Frequency	1715.0	1750.1	1765.1
	SCC	Channel	132121	133372	132622
		Frequency	1724.9	1760.0	1775.0

LTE Band 66C Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
10 + 15	PCC	Channel	132025	132351	132477
		Frequency	1715.3	1747.9	1760.5
	SCC	Channel	132145	133371	132597
		Frequency	1727.3	1759.9	1772.5
15 + 10	PCC	Channel	132047	132373	132499
		Frequency	1717.5	1750.1	1762.7
	SCC	Channel	132167	132493	132619
		Frequency	1729.5	1762.1	1774.7
10 + 20	PCC	Channel	132027	132328	132428
		Frequency	1715.5	1745.6	1755.6
	SCC	Channel	131171	133372	132572
		Frequency	1729.9	1760.0	1770.0
20 + 10	PCC	Channel	132072	132373	132473
		Frequency	1720.0	1750.1	1760.1
	SCC	Channel	132216	133417	132617
		Frequency	1734.4	1764.5	1774.5
15 + 15	PCC	Channel	132047	132347	132447
		Frequency	1717.5	1747.5	1757.5
	SCC	Channel	132197	133397	132597
		Frequency	1732.5	1762.5	1772.5
15 + 20	PCC	Channel	132050	132325	132401
		Frequency	1717.8	1745.3	1752.9
	SCC	Channel	132221	133396	132572
		Frequency	1734.9	1762.4	1770.0
20 + 15	PCC	Channel	132072	132348	132423
		Frequency	1720.0	1747.6	1755.1
	SCC	Channel	132243	133419	132594
		Frequency	1737.1	1764.7	1772.2
20 + 5	PCC	Channel	132072	132397	132522
		Frequency	1720.0	1752.5	1765.0
	SCC	Channel	132189	133414	132639
		Frequency	1731.7	1764.2	1776.7



LTE Band 66C Channel and Frequency List_CA					
5 + 20	PCC	Channel	132005	132330	132455
		Frequency	1713.3	1745.8	1758.3
	SCC	Channel	132122	132447	132572
		Frequency	1725.0	1757.5	1770.0
20 + 20	PCC	Channel	132072	132323	132374
		Frequency	1720.0	1745.1	1750.2
	SCC	Channel	132270	133421	132572
		Frequency	1739.8	1764.9	1770.0

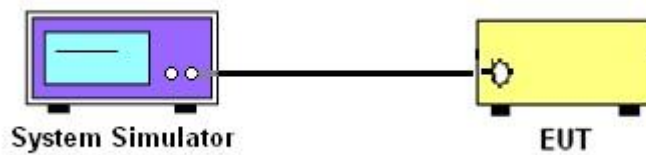
3 Conducted Test Items

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 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

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

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

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

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.

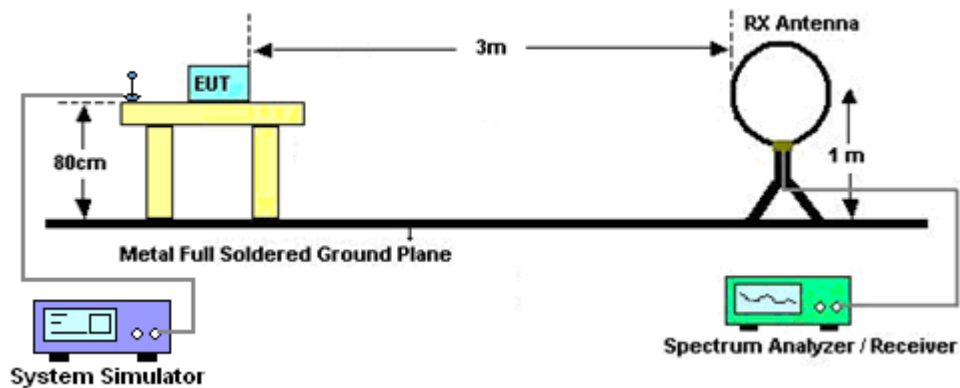
4 Radiated Test Items

4.1 Measuring Instruments

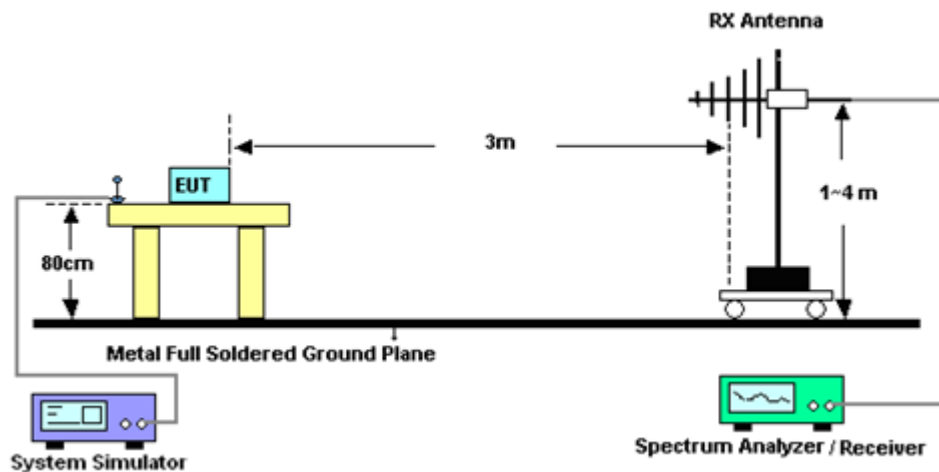
See list of measuring instruments of this test report.

4.1.1 Test Setup

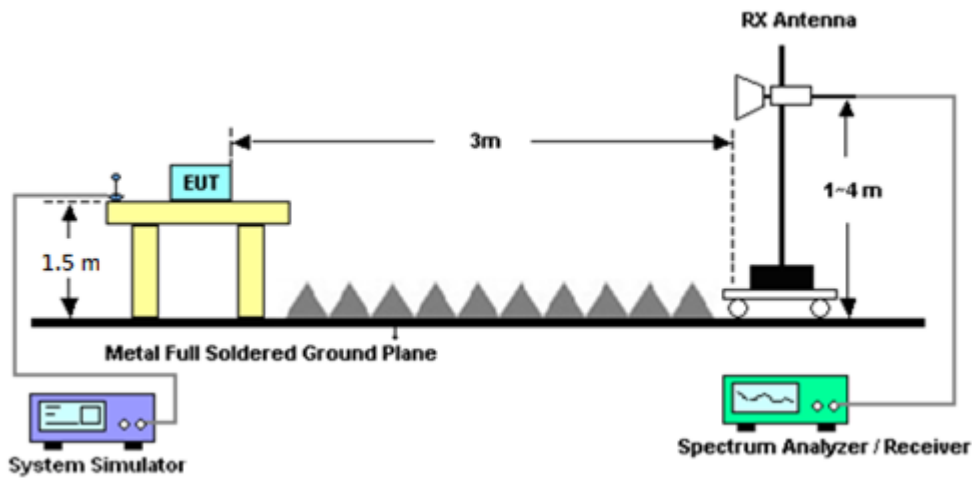
For radiated test below 30MHz



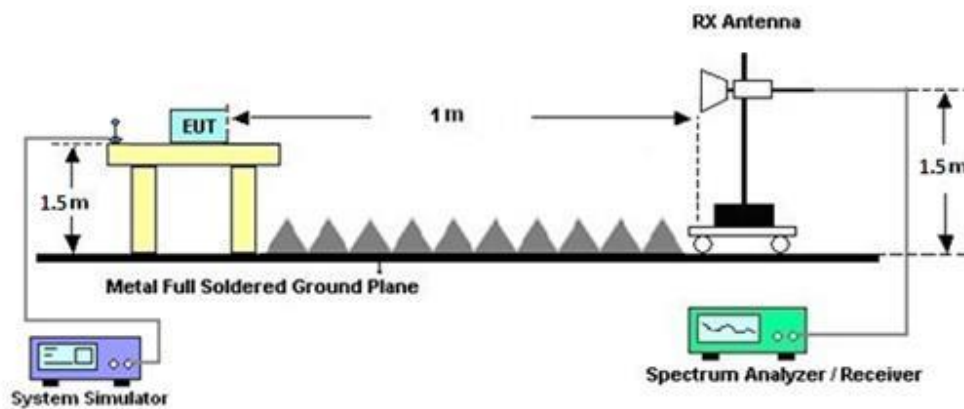
For radiated test from 30MHz to 1GHz



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 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.

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.
$$\text{Field Strength Level (dBm)} = \text{Spectrum Reading (dBm)} + \text{Antenna Factor} + \text{Cable Loss} + \text{Read Level} - \text{Preamp Factor}.$$
8.
$$\text{ERP (dBm)} = \text{EIRP (dBm)} - 2.15$$
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Radio Communication Analyzer	Anritsu	MT8821C	6272278356	LTE FDD/TDD DLCA/ULCA	Aug. 24, 2023	Mar. 08, 2024~ Mar. 21, 2024	Aug. 23, 2024	Conducted (TH03-HY)
DC Power Supply	GW Instek	GPP-2323	GES906037	0V~64V : 0A~6A	Nov. 28, 2023	Mar. 08, 2024~ Mar. 21, 2024	Nov. 27, 2024	Conducted (TH03-HY)
Coupler	Warison	20dB 25W SMA Directional Coupler	#B	1-18GHz	Jan. 08, 2024	Mar. 08, 2024~ Mar. 21, 2024	Jan. 07, 2025	Conducted (TH03-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Mar. 21, 2024~ Mar. 23, 2024	Sep. 11, 2024	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz~40GHz	Nov. 24, 2023	Mar. 21, 2024~ Mar. 23, 2024	Nov. 23, 2024	Radiation (03CH16-HY)
Signal Analyzer	Keysight	N9010B	MY60241055	3Hz~26.5GHz	Jul. 26, 2023	Mar. 21, 2024~ Mar. 23, 2024	Jul. 25, 2024	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N-06	47020 & 06	30MHz to 1GHz	Oct. 07, 2023	Mar. 21, 2024~ Mar. 23, 2024	Oct. 06, 2024	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02038	1G~18GHz	Jul. 31, 2023	Mar. 21, 2024~ Mar. 23, 2024	Jul. 30, 2024	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1GHz	Jul. 03, 2023	Mar. 21, 2024~ Mar. 23, 2024	Jul. 02, 2024	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 07, 2023	Mar. 21, 2024~ Mar. 23, 2024	Dec. 06, 2024	Radiation (03CH16-HY)
Preamplifier	EMEC	EM1G18G	060812	1GHz~18GHz	Dec. 25, 2023	Mar. 21, 2024~ Mar. 23, 2024	Dec. 24, 2024	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 07, 2023	Mar. 21, 2024~ Mar. 23, 2024	Dec. 06, 2024	Radiation (03CH16-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN17	1.53GHz Low Pass Filter	Jan. 15, 2024	Mar. 21, 2024~ Mar. 23, 2024	Jan. 14, 2025	Radiation (03CH16-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60ST	SN3	3GHz High Pass Filter	Jun. 29, 2023	Mar. 21, 2024~ Mar. 23, 2024	Jun. 28, 2024	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 06, 2024	Mar. 21, 2024~ Mar. 23, 2024	Mar. 05, 2025	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102/SUCOFLEX 104	EC-A5-300-5757,805935/4,802434/4	30MHz~18GHz	Aug. 08, 2023	Mar. 21, 2024~ Mar. 23, 2024	Aug. 07, 2024	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804012/2	18-40GHz	Jan. 02, 2024	Mar. 21, 2024~ Mar. 23, 2024	Jan. 01, 2025	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Mar. 21, 2024~ Mar. 23, 2024	N/A	Radiation (03CH16-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Mar. 21, 2024~ Mar. 23, 2024	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Mar. 21, 2024~ Mar. 23, 2024	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Mar. 21, 2024~ Mar. 23, 2024	N/A	Radiation (03CH16-HY)



6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.09 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.55 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.02 dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power & ERP/EIRP)

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.13	24.30	24.32	32.32	1.7061
20	1	49		24.29	24.21	24.28		
20	1	99		24.28	24.30	24.27		
20	50	0		23.25	23.12	23.56		
20	50	24		23.23	23.29	23.37		
20	50	50		23.07	23.31	23.61		
20	100	0		23.18	23.15	23.57		
20	1	0	16-QAM	23.33	23.44	23.46	31.46	1.3996
20	1	49		23.39	23.40	23.42		
20	1	99		23.31	23.39	23.38		
20	50	0		22.23	22.09	22.54		
20	50	24		22.19	22.25	22.35		
20	50	50		22.08	22.27	22.60		
20	100	0		22.15	22.19	22.58		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	24.10	24.29	24.30	32.30	1.6982
15	1	37		24.20	24.25	24.28		
15	1	74		24.26	24.28	24.27		
15	36	0		23.25	23.05	23.46		
15	36	20		23.22	23.24	23.33		
15	36	39		22.99	23.28	23.61		
15	75	0		23.17	23.08	23.47		
15	1	0	16-QAM	23.33	23.42	23.36	31.42	1.3868
15	1	37		23.29	23.39	23.41		
15	1	74		23.29	23.33	23.31		
15	36	0		22.20	22.04	22.51		
15	36	20		22.16	22.24	22.28		
15	36	39		22.04	22.23	22.54		
15	75	0		22.14	22.10	22.51		
Limit	EIRP < 2W			Result			Pass	



LTE Band 2 Maximum Average Power [dBm] (GT - LC = 8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.04	24.26	24.29	32.29	1.6943
10	1	25		24.23	24.26	24.27		
10	1	49		24.21	24.24	24.23		
10	25	0		23.16	23.06	23.51		
10	25	12		23.19	23.20	23.33		
10	25	25		23.03	23.31	23.58		
10	50	0		23.13	23.09	23.47		
10	1	0	16-QAM	23.26	23.36	23.45	31.45	1.3964
10	1	25		23.33	23.32	23.42		
10	1	49		23.29	23.31	23.34		
10	25	0		22.14	22.08	22.48		
10	25	12		22.17	22.25	22.25		
10	25	25		21.99	22.21	22.55		
10	50	0		22.13	22.12	22.55		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	24.06	24.30	24.28	32.32	1.7061
5	1	12		24.28	24.32	24.30		
5	1	24		24.25	24.29	24.27		
5	12	0		23.23	23.02	23.50		
5	12	7		23.14	23.20	23.35		
5	12	13		23.01	23.29	23.61		
5	25	0		23.16	23.11	23.55		
5	1	0	16-QAM	23.32	23.34	23.38	31.38	1.3740
5	1	12		23.30	23.34	23.32		
5	1	24		23.31	23.35	23.30		
5	12	0		22.15	22.01	22.49		
5	12	7		22.11	22.19	22.27		
5	12	13		22.00	22.20	22.60		
5	25	0		22.07	22.12	22.54		
Limit	EIRP < 2W			Result			Pass	



LTE Band 2 Maximum Average Power [dBm] (GT - LC = 8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	24.03	24.25	24.27	32.29	1.6943
3	1	8		24.19	24.29	24.28		
3	1	14		24.21	24.28	24.23		
3	8	0		23.15	23.10	23.53		
3	8	4		23.20	23.21	23.29		
3	8	7		23.02	23.23	23.52		
3	15	0		23.18	23.11	23.52		
3	1	0	16-QAM	23.29	23.43	23.44	31.44	1.3932
3	1	8		23.29	23.38	23.35		
3	1	14		23.22	23.35	23.28		
3	8	0		22.19	22.08	22.50		
3	8	4		22.16	22.25	22.26		
3	8	7		22.08	22.21	22.59		
3	15	0		22.10	22.09	22.53		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	24.10	24.26	24.26	32.31	1.7022
1.4	1	3		24.21	24.28	24.30		
1.4	1	5		24.28	24.30	24.25		
1.4	3	0		24.04	24.29	24.31		
1.4	3	1		24.29	24.25	24.27		
1.4	3	3		24.19	24.30	24.25		
1.4	6	0		23.18	23.10	23.49		
1.4	1	0	16-QAM	23.28	23.39	23.37	31.40	1.3804
1.4	1	3		23.35	23.36	23.37		
1.4	1	5		23.29	23.32	23.30		
1.4	3	0		23.31	23.37	23.37		
1.4	3	1		23.33	23.40	23.37		
1.4	3	3		23.21	23.37	23.28		
1.4	6	0		22.17	21.99	22.51		
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.71	23.87	23.94	31.94	1.5631
20	1	49		23.76	23.87	23.88		
20	1	99		23.80	23.89	23.92		
20	50	0		22.81	22.67	22.72		
20	50	24		22.78	22.82	22.85		
20	50	50		22.63	22.85	22.47		
20	100	0		22.74	22.79	22.57		
20	1	0	16-QAM	22.90	23.04	22.96	31.13	1.2972
20	1	49		22.97	23.11	23.13		
20	1	99		23.02	23.01	22.95		
20	50	0		21.82	21.65	21.68		
20	50	24		21.79	21.77	21.81		
20	50	50		21.63	21.80	21.49		
20	100	0		21.71	21.72	21.54		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.71	23.80	23.92	31.92	1.5560
15	1	37		23.74	23.86	23.85		
15	1	74		23.76	23.79	23.86		
15	36	0		22.75	22.64	22.71		
15	36	20		22.70	22.81	22.83		
15	36	39		22.56	22.78	22.37		
15	75	0		22.67	22.71	22.48		
15	1	0	16-QAM	22.80	23.01	22.92	31.05	1.2735
15	1	37		22.90	23.05	23.04		
15	1	74		23.01	22.91	22.91		
15	36	0		21.74	21.63	21.64		
15	36	20		21.72	21.68	21.79		
15	36	39		21.57	21.75	21.47		
15	75	0		21.62	21.63	21.50		
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.63	23.84	23.86	31.90	1.5488
10	1	25		23.70	23.83	23.79		
10	1	49		23.75	23.86	23.90		
10	25	0		22.74	22.58	22.72		
10	25	12		22.75	22.78	22.82		
10	25	25		22.57	22.76	22.42		
10	50	0		22.68	22.77	22.50		
10	1	0	16-QAM	22.85	22.98	22.95	31.03	1.2677
10	1	25		22.88	23.01	23.03		
10	1	49		22.92	22.92	22.94		
10	25	0		21.75	21.57	21.68		
10	25	12		21.77	21.67	21.81		
10	25	25		21.54	21.80	21.41		
10	50	0		21.66	21.68	21.49		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.66	23.83	23.92	31.92	1.5560
5	1	12		23.72	23.85	23.83		
5	1	24		23.80	23.88	23.82		
5	12	0		22.75	22.65	22.67		
5	12	7		22.69	22.77	22.82		
5	12	13		22.55	22.77	22.40		
5	25	0		22.72	22.78	22.47		
5	1	0	16-QAM	22.84	23.00	22.92	31.08	1.2823
5	1	12		22.92	23.08	23.04		
5	1	24		23.01	22.95	22.95		
5	12	0		21.81	21.60	21.67		
5	12	7		21.76	21.68	21.78		
5	12	13		21.57	21.72	21.45		
5	25	0		21.70	21.63	21.44		
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.68	23.85	23.90	31.90	1.5488
3	1	8		23.68	23.84	23.81		
3	1	14		23.72	23.87	23.89		
3	8	0		22.72	22.62	22.63		
3	8	4		22.75	22.74	22.76		
3	8	7		22.58	22.78	22.42		
3	15	0		22.69	22.74	22.49		
3	1	0	16-QAM	22.86	22.99	22.92	31.07	1.2794
3	1	8		22.87	23.07	23.06		
3	1	14		22.92	22.96	22.88		
3	8	0		21.76	21.59	21.65		
3	8	4		21.73	21.77	21.75		
3	8	7		21.55	21.77	21.48		
3	15	0		21.64	21.69	21.49		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.66	23.82	23.87	31.88	1.5417
1.4	1	3		23.73	23.82	23.81		
1.4	1	5		23.73	23.84	23.88		
1.4	3	0		23.64	23.87	23.88		
1.4	3	1		23.74	23.81	23.82		
1.4	3	3		23.74	23.86	23.87		
1.4	6	0		22.74	22.67	22.63		
1.4	1	0	16-QAM	22.86	22.98	22.91	31.10	1.2882
1.4	1	3		22.93	23.10	23.03		
1.4	1	5		22.92	22.96	22.85		
1.4	3	0		22.80	22.99	22.91		
1.4	3	1		22.92	23.04	23.03		
1.4	3	3		22.96	22.99	22.91		
1.4	6	0		21.75	21.57	21.61		
Limit	EIRP < 2W			Result			Pass	



LTE Band 4 Maximum Average Power [dBm] (GT - LC = 5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.77	24.80	24.83	29.83	0.9616
20	1	49		24.82	24.82	24.76		
20	1	99		24.80	24.74	24.80		
20	50	0		23.94	23.75	23.67		
20	50	24		23.77	23.81	23.77		
20	50	50		23.83	23.96	23.66		
20	100	0		23.88	23.79	23.64		
20	1	0	16-QAM	23.90	23.91	23.96	28.99	0.7925
20	1	49		23.91	23.95	23.90		
20	1	99		23.93	23.99	23.94		
20	50	0		22.90	22.73	22.67		
20	50	24		22.80	22.75	22.73		
20	50	50		22.80	22.93	22.64		
20	100	0		22.87	22.79	22.63		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	24.73	24.71	24.77	29.80	0.9550
15	1	37		24.76	24.72	24.76		
15	1	74		24.80	24.73	24.72		
15	36	0		23.87	23.74	23.66		
15	36	20		23.67	23.77	23.69		
15	36	39		23.79	23.88	23.61		
15	75	0		23.81	23.71	23.56		
15	1	0	16-QAM	23.83	23.82	23.94	28.94	0.7834
15	1	37		23.88	23.91	23.82		
15	1	74		23.92	23.90	23.94		
15	36	0		22.83	22.72	22.57		
15	36	20		22.80	22.73	22.64		
15	36	39		22.78	22.85	22.55		
15	75	0		22.83	22.69	22.53		
Limit	EIRP < 1W			Result			Pass	



LTE Band 4 Maximum Average Power [dBm] (GT - LC = 5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.72	24.72	24.73	29.75	0.9441
10	1	25		24.72	24.73	24.75		
10	1	49		24.73	24.69	24.71		
10	25	0		23.91	23.65	23.62		
10	25	12		23.69	23.73	23.68		
10	25	25		23.76	23.95	23.61		
10	50	0		23.88	23.73	23.54		
10	1	0	16-QAM	23.87	23.91	23.96	28.96	0.7870
10	1	25		23.84	23.87	23.84		
10	1	49		23.93	23.93	23.86		
10	25	0		22.86	22.71	22.61		
10	25	12		22.78	22.71	22.66		
10	25	25		22.79	22.83	22.60		
10	50	0		22.87	22.71	22.61		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	24.73	24.74	24.78	29.78	0.9506
5	1	12		24.76	24.74	24.68		
5	1	24		24.77	24.64	24.76		
5	12	0		23.92	23.65	23.58		
5	12	7		23.73	23.72	23.71		
5	12	13		23.75	23.93	23.59		
5	25	0		23.79	23.79	23.63		
5	1	0	16-QAM	23.80	23.90	23.88	28.91	0.7780
5	1	12		23.86	23.89	23.87		
5	1	24		23.87	23.90	23.91		
5	12	0		22.85	22.68	22.59		
5	12	7		22.76	22.73	22.72		
5	12	13		22.70	22.83	22.57		
5	25	0		22.83	22.69	22.57		
Limit	EIRP < 1W			Result			Pass	



LTE Band 4 Maximum Average Power [dBm] (GT - LC = 5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	24.74	24.77	24.80	29.80	0.9550
3	1	8		24.75	24.75	24.72		
3	1	14		24.75	24.70	24.80		
3	8	0		23.85	23.68	23.66		
3	8	4		23.74	23.76	23.67		
3	8	7		23.75	23.92	23.65		
3	15	0		23.88	23.75	23.54		
3	1	0	16-QAM	23.89	23.86	23.87	28.96	0.7870
3	1	8		23.84	23.88	23.88		
3	1	14		23.93	23.96	23.91		
3	8	0		22.81	22.67	22.59		
3	8	4		22.78	22.73	22.72		
3	8	7		22.70	22.87	22.57		
3	15	0		22.83	22.70	22.61		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	24.73	24.78	24.79	29.81	0.9572
1.4	1	3		24.79	24.74	24.74		
1.4	1	5		24.80	24.73	24.78		
1.4	3	0		24.71	24.73	24.77		
1.4	3	1		24.81	24.77	24.72		
1.4	3	3		24.71	24.74	24.75		
1.4	6	0		23.89	23.67	23.67		
1.4	1	0	16-QAM	23.84	23.84	23.94	28.98	0.7907
1.4	1	3		23.90	23.93	23.80		
1.4	1	5		23.83	23.94	23.89		
1.4	3	0		23.80	23.88	23.88		
1.4	3	1		23.82	23.87	23.90		
1.4	3	3		23.90	23.98	23.84		
1.4	6	0		22.82	22.63	22.64		
Limit	EIRP < 1W			Result			Pass	



LTE Band 5 Maximum Average Power [dBm] (GT - LC = 6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	24.29	24.34	24.28	28.19	0.6592
10	1	25		24.33	24.26	24.23		
10	1	49		24.31	24.25	24.24		
10	25	0		23.37	23.32	23.38		
10	25	12		23.38	23.32	23.35		
10	25	25		23.49	23.24	23.36		
10	50	0		23.47	23.33	23.37		
10	1	0	16-QAM	23.64	23.67	23.59	27.52	0.5649
10	1	25		23.55	23.62	23.53		
10	1	49		23.64	23.60	23.52		
10	25	0		22.36	22.29	22.37		
10	25	12		22.33	22.30	22.33		
10	25	25		22.45	22.29	22.33		
10	50	0		22.40	22.30	22.40		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = 6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	24.26	24.30	24.20	28.16	0.6546
5	1	12		24.30	24.24	24.22		
5	1	24		24.31	24.23	24.24		
5	12	0		23.30	23.27	23.28		
5	12	7		23.32	23.31	23.27		
5	12	13		23.49	23.22	23.33		
5	25	0		23.37	23.29	23.37		
5	1	0	16-QAM	23.55	23.57	23.53	27.49	0.5610
5	1	12		23.49	23.53	23.46		
5	1	24		23.64	23.60	23.45		
5	12	0		22.31	22.28	22.35		
5	12	7		22.30	22.27	22.26		
5	12	13		22.38	22.27	22.33		
5	25	0		22.39	22.24	22.40		
Limit	ERP < 7W			Result			Pass	



LTE Band 5 Maximum Average Power [dBm] (GT - LC = 6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	24.20	24.24	24.20	28.15	0.6531
3	1	8		24.30	24.16	24.15		
3	1	14		24.21	24.16	24.17		
3	8	0		23.29	23.24	23.38		
3	8	4		23.34	23.28	23.33		
3	8	7		23.44	23.20	23.34		
3	15	0		23.42	23.33	23.27		
3	1	0	16-QAM	23.63	23.59	23.51	27.48	0.5598
3	1	8		23.51	23.62	23.51		
3	1	14		23.55	23.57	23.49		
3	8	0		22.29	22.19	22.37		
3	8	4		22.31	22.24	22.27		
3	8	7		22.40	22.29	22.24		
3	15	0		22.39	22.24	22.32		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = 6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	24.25	24.27	24.28	28.15	0.6531
1.4	1	3		24.27	24.17	24.23		
1.4	1	5		24.21	24.16	24.17		
1.4	3	0		24.22	24.30	24.20		
1.4	3	1		24.27	24.25	24.23		
1.4	3	3		24.24	24.22	24.22		
1.4	6	0		23.27	23.22	23.36		
1.4	1	0	16-QAM	23.54	23.65	23.53	27.50	0.5623
1.4	1	3		23.53	23.56	23.48		
1.4	1	5		23.54	23.52	23.44		
1.4	3	0		23.64	23.63	23.58		
1.4	3	1		23.55	23.61	23.48		
1.4	3	3		23.55	23.55	23.42		
1.4	6	0		22.29	22.29	22.34		
Limit	ERP < 7W			Result			Pass	



LTE Band 12 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	24.57	24.60	24.55	27.95	0.6237
10	1	25		24.59	24.56	24.55		
10	1	49		24.53	24.58	24.51		
10	25	0		23.40	23.48	23.73		
10	25	12		23.48	23.53	23.58		
10	25	25		23.45	23.36	23.60		
10	50	0		23.47	23.46	23.68		
10	1	0	16-QAM	23.83	23.90	23.77	27.25	0.5309
10	1	25		23.84	23.69	23.78		
10	1	49		23.65	23.82	23.87		
10	25	0		22.38	22.45	22.70		
10	25	12		22.53	22.52	22.51		
10	25	25		22.48	22.31	22.53		
10	50	0		22.42	22.41	22.63		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	24.49	24.53	24.51	27.92	0.6194
5	1	12		24.56	24.56	24.54		
5	1	24		24.51	24.57	24.51		
5	12	0		23.36	23.46	23.73		
5	12	7		23.46	23.46	23.49		
5	12	13		23.42	23.28	23.54		
5	25	0		23.37	23.40	23.67		
5	1	0	16-QAM	23.75	23.80	23.72	27.19	0.5236
5	1	12		23.80	23.65	23.71		
5	1	24		23.56	23.78	23.84		
5	12	0		22.38	22.36	22.60		
5	12	7		22.48	22.43	22.47		
5	12	13		22.47	22.29	22.45		
5	25	0		22.39	22.33	22.59		
Limit	ERP < 3W			Result			Pass	



LTE Band 12 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	24.49	24.58	24.54	27.93	0.6209
3	1	8		24.50	24.53	24.55		
3	1	14		24.51	24.56	24.49		
3	8	0		23.33	23.45	23.70		
3	8	4		23.38	23.49	23.52		
3	8	7		23.40	23.31	23.56		
3	15	0		23.47	23.39	23.58		
3	1	0	16-QAM	23.81	23.83	23.77	27.22	0.5272
3	1	8		23.83	23.60	23.78		
3	1	14		23.61	23.82	23.87		
3	8	0		22.33	22.39	22.60		
3	8	4		22.45	22.50	22.46		
3	8	7		22.45	22.21	22.52		
3	15	0		22.34	22.38	22.61		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	24.53	24.57	24.49	27.92	0.6194
1.4	1	3		24.51	24.50	24.51		
1.4	1	5		24.48	24.53	24.51		
1.4	3	0		24.52	24.51	24.48		
1.4	3	1		24.55	24.47	24.51		
1.4	3	3		24.48	24.57	24.51		
1.4	6	0		23.36	23.39	23.71		
1.4	1	0	16-QAM	23.74	23.86	23.74	27.21	0.5260
1.4	1	3		23.77	23.69	23.74		
1.4	1	5		23.64	23.78	23.84		
1.4	3	0		23.81	23.84	23.72		
1.4	3	1		23.83	23.61	23.78		
1.4	3	3		23.57	23.72	23.78		
1.4	6	0		22.33	22.43	22.68		
Limit	ERP < 3W			Result			Pass	



LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 6.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.14	24.45	24.35	31.25	1.3335
20	1	49		24.15	24.33	24.18		
20	1	99		24.28	24.37	24.14		
20	50	0		23.30	23.61	23.47		
20	50	24		23.39	23.53	23.39		
20	50	50		23.46	23.52	23.35		
20	100	0		23.34	23.55	23.39		
20	1	0	16-QAM	23.38	23.74	23.62	30.54	1.1324
20	1	49		23.52	23.74	23.54		
20	1	99		23.66	23.74	23.51		
20	50	0		22.30	22.62	22.50		
20	50	24		22.41	22.57	22.43		
20	50	50		22.50	22.58	22.41		
20	100	0		22.37	22.57	22.41		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 6.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	24.06	24.39	24.27	31.19	1.3152
15	1	37		24.13	24.32	24.08		
15	1	74		24.27	24.35	24.07		
15	36	0		23.29	23.54	23.41		
15	36	20		23.29	23.47	23.35		
15	36	39		23.43	23.48	23.28		
15	75	0		23.33	23.49	23.29		
15	1	0	16-QAM	23.35	23.68	23.54	30.50	1.1220
15	1	37		23.47	23.69	23.49		
15	1	74		23.60	23.70	23.47		
15	36	0		22.29	22.56	22.45		
15	36	20		22.38	22.53	22.38		
15	36	39		22.49	22.58	22.38		
15	75	0		22.32	22.49	22.38		
Limit	EIRP < 2W			Result			Pass	



LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 6.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.08	24.43	24.34	31.23	1.3274
10	1	25		24.07	24.32	24.15		
10	1	49		24.21	24.36	24.13		
10	25	0		23.24	23.59	23.37		
10	25	12		23.39	23.46	23.35		
10	25	25		23.42	23.48	23.31		
10	50	0		23.34	23.50	23.39		
10	1	0	16-QAM	23.33	23.66	23.62	30.52	1.1272
10	1	25		23.52	23.72	23.44		
10	1	49		23.65	23.65	23.43		
10	25	0		22.24	22.59	22.43		
10	25	12		22.36	22.56	22.41		
10	25	25		22.46	22.55	22.32		
10	50	0		22.28	22.53	22.38		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 6.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	24.08	24.37	24.30	31.17	1.3092
5	1	12		24.09	24.32	24.17		
5	1	24		24.22	24.27	24.08		
5	12	0		23.30	23.59	23.45		
5	12	7		23.38	23.52	23.31		
5	12	13		23.38	23.46	23.33		
5	25	0		23.26	23.46	23.30		
5	1	0	16-QAM	23.30	23.69	23.62	30.54	1.1324
5	1	12		23.43	23.70	23.47		
5	1	24		23.65	23.74	23.43		
5	12	0		22.20	22.58	22.41		
5	12	7		22.32	22.54	22.34		
5	12	13		22.47	22.55	22.35		
5	25	0		22.32	22.51	22.41		
Limit	EIRP < 2W			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)
20	1	0	QPSK	24.43	24.37	24.48	29.98	0.9954
20	1	49		24.40	24.47	24.47		
20	1	99		24.38	24.36	24.41		
20	50	0		23.62	23.35	23.45		
20	50	24		23.46	23.41	23.47		
20	50	50		23.46	23.31	23.58		
20	100	0		23.52	23.31	23.50		
20	1	0	16-QAM	23.60	23.63	23.66	29.30	0.8511
20	1	49		23.68	23.72	23.80		
20	1	99		23.61	23.72	23.72		
20	50	0		22.58	22.32	22.40		
20	50	24		22.44	22.38	22.40		
20	50	50		22.43	22.30	22.55		
20	100	0		22.52	22.27	22.43		
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	24.37	24.31	24.38	29.94	0.9863
15	1	37		24.40	24.44	24.42		
15	1	74		24.37	24.32	24.37		
15	36	0		23.60	23.34	23.39		
15	36	20		23.43	23.31	23.46		
15	36	39		23.43	23.26	23.52		
15	75	0		23.48	23.21	23.42		
15	1	0	16-QAM	23.58	23.59	23.58	29.22	0.8356
15	1	37		23.66	23.68	23.72		
15	1	74		23.60	23.71	23.62		
15	36	0		22.51	22.22	22.38		
15	36	20		22.41	22.28	22.39		
15	36	39		22.42	22.21	22.51		
15	75	0		22.42	22.22	22.37		
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	24.36	24.29	24.41	29.93	0.9840
10	1	25		24.35	24.41	24.43		
10	1	49		24.28	24.32	24.37		
10	25	0		23.58	23.35	23.38		
10	25	12		23.46	23.31	23.38		
10	25	25		23.38	23.27	23.55		
10	50	0		23.51	23.31	23.45		
10	1	0	16-QAM	23.59	23.57	23.61	29.29	0.8492
10	1	25		23.66	23.62	23.79		
10	1	49		23.61	23.66	23.62		
10	25	0		22.48	22.22	22.36		
10	25	12		22.35	22.29	22.33		
10	25	25		22.40	22.27	22.53		
10	50	0		22.48	22.26	22.35		
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	24.36	24.29	24.43	29.93	0.9840
5	1	12		24.40	24.40	24.38		
5	1	24		24.32	24.34	24.35		
5	12	0		23.61	23.27	23.43		
5	12	7		23.38	23.35	23.37		
5	12	13		23.39	23.25	23.48		
5	25	0		23.52	23.29	23.49		
5	1	0	16-QAM	23.60	23.59	23.57	29.30	0.8511
5	1	12		23.63	23.72	23.80		
5	1	24		23.54	23.62	23.65		
5	12	0		22.50	22.30	22.30		
5	12	7		22.38	22.28	22.32		
5	12	13		22.35	22.29	22.49		
5	25	0		22.51	22.27	22.42		
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	24.40	24.27	24.46	29.96	0.9908
3	1	8		24.33	24.44	24.38		
3	1	14		24.28	24.34	24.31		
3	8	0		23.59	23.32	23.43		
3	8	4		23.42	23.35	23.45		
3	8	7		23.41	23.31	23.51		
3	15	0		23.51	23.22	23.43		
3	1	0	16-QAM	23.58	23.57	23.65	29.27	0.8453
3	1	8		23.61	23.69	23.77		
3	1	14		23.58	23.70	23.71		
3	8	0		22.49	22.31	22.38		
3	8	4		22.39	22.37	22.35		
3	8	7		22.34	22.21	22.54		
3	15	0		22.51	22.18	22.33		
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	24.41	24.33	24.41	29.97	0.9931
1.4	1	3		24.40	24.47	24.45		
1.4	1	5		24.32	24.30	24.39		
1.4	3	0		24.40	24.27	24.40		
1.4	3	1		24.30	24.42	24.43		
1.4	3	3		24.31	24.33	24.41		
1.4	6	0		23.54	23.26	23.41		
1.4	1	0	16-QAM	23.52	23.62	23.60	29.30	0.8511
1.4	1	3		23.67	23.65	23.80		
1.4	1	5		23.60	23.68	23.71		
1.4	3	0		23.53	23.62	23.64		
1.4	3	1		23.61	23.70	23.76		
1.4	3	3		23.55	23.69	23.72		
1.4	6	0		22.52	22.29	22.30		
Limit	EIRP < 1W			Result			Pass	



LTE Band 71 Maximum Average Power [dBm] (GT - LC = 5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
20	1	0	QPSK	24.55	24.58	24.64	27.49	0.5610
20	1	49		24.55	24.56	24.59		
20	1	99		24.48	24.55	24.54		
20	50	0		23.06	23.93	23.42		
20	50	24		23.46	23.61	23.57		
20	50	50		23.08	23.59	23.48		
20	100	0		23.04	23.43	23.41		
20	1	0	16-QAM	23.66	23.66	23.80	26.75	0.4732
20	1	49		23.64	23.90	23.86		
20	1	99		23.70	23.79	23.82		
20	50	0		22.06	22.57	22.40		
20	50	24		22.39	22.62	22.52		
20	50	50		22.11	22.55	22.42		
20	100	0		22.03	22.53	22.38		
Limit	ERP < 3W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = 5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	24.50	24.48	24.54	27.40	0.5495
15	1	37		24.55	24.49	24.52		
15	1	74		24.43	24.53	24.53		
15	36	0		22.97	23.87	23.42		
15	36	20		23.39	23.58	23.54		
15	36	39		22.99	23.57	23.40		
15	75	0		22.98	23.36	23.41		
15	1	0	16-QAM	23.62	23.63	23.74	26.72	0.4699
15	1	37		23.58	23.87	23.86		
15	1	74		23.68	23.77	23.77		
15	36	0		21.98	22.56	22.37		
15	36	20		22.31	22.55	22.48		
15	36	39		22.07	22.54	22.39		
15	75	0		22.00	22.52	22.34		
Limit	ERP < 3W			Result			Pass	



LTE Band 71 Maximum Average Power [dBm] (GT - LC = 5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	24.53	24.55	24.60	27.45	0.5559
10	1	25		24.52	24.51	24.52		
10	1	49		24.47	24.48	24.49		
10	25	0		22.98	23.84	23.35		
10	25	12		23.38	23.53	23.51		
10	25	25		23.02	23.52	23.44		
10	50	0		22.99	23.42	23.32		
10	1	0	16-QAM	23.66	23.58	23.72	26.65	0.4624
10	1	25		23.59	23.80	23.79		
10	1	49		23.64	23.69	23.73		
10	25	0		22.01	22.49	22.35		
10	25	12		22.31	22.56	22.51		
10	25	25		22.08	22.49	22.35		
10	50	0		21.96	22.43	22.28		
Limit	ERP < 3W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = 5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	24.46	24.51	24.58	27.43	0.5534
5	1	12		24.45	24.52	24.54		
5	1	24		24.41	24.51	24.45		
5	12	0		22.99	23.89	23.36		
5	12	7		23.43	23.57	23.47		
5	12	13		23.07	23.49	23.46		
5	25	0		22.96	23.36	23.38		
5	1	0	16-QAM	23.66	23.61	23.78	26.73	0.4710
5	1	12		23.58	23.88	23.83		
5	1	24		23.64	23.75	23.80		
5	12	0		22.03	22.51	22.31		
5	12	7		22.30	22.53	22.42		
5	12	13		22.08	22.49	22.39		
5	25	0		22.01	22.47	22.30		
Limit	ERP < 3W			Result			Pass	



LTE Band 2C_CA Maximum Average Power [dBm] (GT - LC = 8 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	100	0	100	0	QPSK	22.53	22.23	21.87	31.98	1.5776
20+20	1	0	1	99		15.49	14.62	15.39		
20+20	1	99	1	0		23.89	23.97	23.98		
20+20	100	0	100	0	16-QAM	21.53	21.24	20.83	31.52	1.4191
20+20	1	0	1	99		15.87	15.40	15.91		
20+20	1	99	1	0		23.25	23.52	23.36		
20+15	100	0	75	0	QPSK	22.53	22.15	22.30	31.99	1.5812
20+15	1	0	1	74		15.35	14.78	15.36		
20+15	1	74	1	0		23.92	23.96	23.99		
20+15	100	0	75	0	16-QAM	21.47	21.07	21.29	31.33	1.3583
20+15	1	0	1	74		16.01	16.09	15.54		
20+15	1	74	1	0		23.33	23.30	23.29		
15+20	75	0	100	0	QPSK	22.09	22.21	21.96	32.02	1.5922
15+20	1	0	1	99		15.47	15.49	15.50		
15+20	1	74	1	0		23.98	23.94	24.02		
15+20	75	0	100	0	16-QAM	21.30	21.14	21.17	31.46	1.3996
15+20	1	0	1	99		15.95	15.52	15.97		
15+20	1	74	1	0		23.33	23.34	23.46		
20+10	100	0	50	0	QPSK	22.25	22.00	22.42	32.01	1.5885
20+10	1	0	1	49		15.26	15.33	15.28		
20+10	1	99	1	0		23.82	23.93	24.01		
20+10	100	0	50	0	16-QAM	21.20	20.96	21.46	31.33	1.3583
20+10	1	0	1	49		15.87	15.87	15.79		
20+10	1	99	1	0		23.14	23.27	23.33		
10+20	50	0	100	0	QPSK	22.08	22.02	22.13	31.85	1.5311
10+20	1	0	1	99		15.28	15.28	15.19		
10+20	1	49	1	0		23.67	23.83	23.85		
10+20	50	0	100	0	16-QAM	21.20	21.09	21.23	31.24	1.3305
10+20	1	0	1	99		15.91	15.75	15.84		
10+20	1	49	1	0		23.21	23.24	23.09		
20+5	100	0	25	0	QPSK	22.19	21.73	22.58	31.81	1.5171
20+5	1	0	1	24		14.94	15.00	14.92		
20+5	1	99	1	0		23.67	23.74	23.81		
20+5	100	0	25	0	16-QAM	21.22	20.67	21.64	31.26	1.3366
20+5	1	0	1	24		15.61	15.49	15.65		
20+5	1	99	1	0		22.92	23.25	23.26		
5+20	25	0	100	0	QPSK	21.89	21.85	22.19	31.72	1.4859
5+20	1	0	1	99		15.04	15.03	14.90		
5+20	1	24	1	0		23.57	23.71	23.72		
5+20	25	0	100	0	16-QAM	20.85	20.81	21.19	31.16	1.3062
5+20	1	0	1	99		15.35	15.48	15.27		
5+20	1	24	1	0		22.92	23.03	23.16		
Limit	EIRP < 2W					Result			Pass	



LTE Band 2C_CA Maximum Average Power [dBm] (GT - LC = 8 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
15+10	75	0	50	0	QPSK	22.52	21.74	22.85	31.98	1.5776
15+10	1	0	1	49		15.19	15.22	15.01		
15+10	1	74	1	0		23.98	23.92	23.96		
15+10	75	0	50	0	16-QAM	21.29	20.78	21.94	31.45	1.3964
15+10	1	0	1	49		15.65	15.91	15.73		
15+10	1	74	1	0		23.32	23.45	23.34		
10+15	50	0	75	0	QPSK	22.01	21.87	22.66	32.02	1.5922
10+15	1	0	1	74		14.77	15.03	14.92		
10+15	1	49	1	0		23.65	23.96	24.02		
10+15	50	0	75	0	16-QAM	21.06	20.87	21.70	31.38	1.3740
10+15	1	0	1	74		14.86	15.64	15.44		
10+15	1	49	1	0		23.17	23.38	23.14		
15+15	75	0	75	0	QPSK	22.62	22.16	22.46	31.99	1.5812
15+15	1	0	1	74		15.53	15.57	15.50		
15+15	1	74	1	0		23.98	23.94	23.99		
15+15	75	0	75	0	16-QAM	21.25	21.17	21.68	31.48	1.4060
15+15	1	0	1	74		16.03	15.53	15.87		
15+15	1	74	1	0		23.40	23.47	23.48		
Limit	EIRP < 2W					Result			Pass	



LTE Band 66B_CA Maximum Average Power [dBm] (GT - LC = 5 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
10+10	50	0	50	0	QPSK	22.64	22.54	22.62	29.41	0.8730
10+10	1	0	1	49		15.66	15.59	16.01		
10+10	1	49	1	0		24.41	24.19	24.30		
10+10	50	0	50	0	16-QAM	21.66	21.58	21.51	28.74	0.7482
10+10	1	0	1	49		16.21	16.13	16.05		
10+10	1	49	1	0		23.74	23.29	23.72		
15+5	75	0	25	0	QPSK	22.75	22.49	22.61	29.71	0.9354
15+5	1	0	1	24		16.02	15.86	16.09		
15+5	1	74	1	0		24.71	24.65	24.48		
15+5	75	0	25	0	16-QAM	21.76	21.69	21.59	29.28	0.8472
15+5	1	0	1	24		16.48	15.72	16.73		
15+5	1	74	1	0		24.26	24.28	24.05		
5+15	25	0	75	0	QPSK	22.65	22.43	22.40	29.36	0.8630
5+15	1	0	1	74		15.66	15.52	15.73		
5+15	1	24	1	0		24.36	24.19	24.22		
5+15	25	0	75	0	16-QAM	21.59	21.46	21.58	28.90	0.7762
5+15	1	0	1	74		16.22	16.03	16.28		
5+15	1	24	1	0		23.55	23.72	23.90		
10+5	50	0	25	0	QPSK	22.58	22.50	22.36	29.24	0.8395
10+5	1	0	1	24		15.73	15.63	15.56		
10+5	1	49	1	0		24.15	24.24	24.18		
10+5	50	0	25	0	16-QAM	21.63	21.52	21.65	28.85	0.7674
10+5	1	0	1	24		16.37	16.10	15.84		
10+5	1	49	1	0		23.84	23.65	23.85		
5+10	25	0	50	0	QPSK	22.49	22.42	22.31	29.47	0.8851
5+10	1	0	1	49		15.83	15.62	15.60		
5+10	1	24	1	0		24.47	24.18	24.20		
5+10	25	0	50	0	16-QAM	21.73	21.66	21.41	28.76	0.7516
5+10	1	0	1	49		16.14	16.15	16.20		
5+10	1	24	1	0		23.64	23.69	23.76		
5+5	25	0	25	0	QPSK	22.54	22.56	22.32	29.23	0.8375
5+5	1	0	1	24		16.24	16.42	16.20		
5+5	1	24	1	0		24.23	24.23	24.23		
5+5	25	0	25	0	16-QAM	21.61	21.58	21.35	28.88	0.7727
5+5	1	0	1	24		16.78	17.04	16.93		
5+5	1	24	1	0		23.88	23.54	23.88		
Limit	EIRP < 1W					Result			Pass	



LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 5 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	100	0	100	0	QPSK	22.86	22.74	22.86	29.41	0.8730
20+20	1	0	1	99		15.87	15.88	15.99		
20+20	1	99	1	0		24.41	24.41	24.39		
20+20	100	0	100	0	16-QAM	21.95	21.73	21.83	28.60	0.7244
20+20	1	0	1	99		15.99	16.07	15.92		
20+20	1	99	1	0		23.48	23.44	23.60		
20+15	100	0	75	0	QPSK	22.92	22.67	22.88	29.58	0.9078
20+15	1	0	1	74		15.91	16.00	15.93		
20+15	1	74	1	0		24.37	24.56	24.58		
20+15	100	0	75	0	16-QAM	21.88	21.65	21.85	28.70	0.7413
20+15	1	0	1	74		16.13	16.41	16.24		
20+15	1	74	1	0		23.70	23.68	23.58		
15+20	75	0	100	0	QPSK	22.81	22.72	22.82	29.55	0.9016
15+20	1	0	1	99		16.06	15.99	15.91		
15+20	1	74	1	0		24.55	24.42	24.46		
15+20	75	0	100	0	16-QAM	21.86	21.72	21.81	28.65	0.7328
15+20	1	0	1	99		15.88	16.06	16.28		
15+20	1	74	1	0		23.55	23.65	23.60		
20+10	100	0	50	0	QPSK	22.74	22.61	22.74	29.44	0.8790
20+10	1	0	1	49		15.71	15.70	15.70		
20+10	1	99	1	0		24.44	24.32	24.37		
20+10	100	0	50	0	16-QAM	21.81	21.50	21.76	28.61	0.7261
20+10	1	0	1	49		16.48	15.83	15.61		
20+10	1	99	1	0		23.41	23.61	23.60		
10+20	50	0	100	0	QPSK	22.73	22.57	22.63	29.33	0.8570
10+20	1	0	1	99		15.79	15.83	15.87		
10+20	1	49	1	0		24.17	24.21	24.33		
10+20	50	0	100	0	16-QAM	21.78	21.66	21.70	28.71	0.7430
10+20	1	0	1	99		15.54	16.50	15.62		
10+20	1	49	1	0		23.51	23.71	23.45		
20+5	100	0	25	0	QPSK	22.79	22.40	22.80	29.26	0.8433
20+5	1	0	1	24		15.61	15.53	15.58		
20+5	1	99	1	0		24.23	24.23	24.26		
20+5	100	0	25	0	16-QAM	21.75	21.40	21.79	28.33	0.6808
20+5	1	0	1	24		15.63	15.60	15.73		
20+5	1	99	1	0		23.26	23.22	23.33		
Limit	EIRP < 1W					Result			Pass	



LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 5 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+20	25	0	100	0	QPSK	22.88	22.73	22.56	29.25	0.8414
5+20	1	0	1	99		15.62	15.54	15.45		
5+20	1	24	1	0		24.25	24.23	24.21		
5+20	25	0	100	0	16-QAM	21.74	21.76	21.55	28.42	0.6950
5+20	1	0	1	99		15.78	15.62	15.73		
5+20	1	24	1	0		23.42	23.21	23.18		
15+10	75	0	50	0	QPSK	22.65	22.50	22.56	29.42	0.8750
15+10	1	0	1	49		15.50	15.46	15.56		
15+10	1	74	1	0		24.38	24.42	24.38		
15+10	75	0	50	0	16-QAM	21.73	21.43	21.56	28.85	0.7674
15+10	1	0	1	49		16.31	15.37	15.02		
15+10	1	74	1	0		23.85	23.73	23.57		
10+15	50	0	75	0	QPSK	22.56	22.50	22.53	29.47	0.8851
10+15	1	0	1	74		15.46	15.62	15.40		
10+15	1	49	1	0		24.40	24.27	24.47		
10+15	50	0	75	0	16-QAM	21.69	21.53	21.55	28.69	0.7396
10+15	1	0	1	74		15.59	15.57	15.95		
10+15	1	49	1	0		23.55	22.98	23.69		
15+15	75	0	75	0	QPSK	22.80	22.66	22.74	29.49	0.8892
15+15	1	0	1	74		15.85	15.92	15.93		
15+15	1	74	1	0		24.47	24.43	24.49		
15+15	75	0	75	0	16-QAM	21.78	21.68	21.76	28.88	0.7727
15+15	1	0	1	74		15.91	15.70	15.93		
15+15	1	74	1	0		23.62	23.41	23.88		
Limit	EIRP < 1W					Result			Pass	



LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 6.8 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	100	0	100	0	QPSK	19.70	19.97	19.64	28.42	0.6950
20+20	1	0	1	99		12.98	13.11	12.79		
20+20	1	99	1	0		21.44	21.62	21.43		
20+20	100	0	100	0	16-QAM	18.79	19.07	18.70	27.56	0.5702
20+20	1	0	1	99		13.10	13.26	12.82		
20+20	1	99	1	0		20.58	20.76	20.58		
20+15	100	0	75	0	QPSK	19.67	19.97	19.87	28.36	0.6855
20+15	1	0	1	74		12.85	13.27	13.08		
20+15	1	99	1	0		21.47	21.56	21.45		
20+15	100	0	75	0	16-QAM	18.77	19.07	18.95	27.38	0.5470
20+15	1	0	1	74		12.74	13.16	12.95		
20+15	1	99	1	0		20.56	20.52	20.58		
15+20	75	0	100	0	QPSK	19.71	20.04	19.91	28.43	0.6966
15+20	1	0	1	99		13.03	13.45	13.24		
15+20	1	74	1	0		21.63	21.58	21.61		
15+20	75	0	100	0	16-QAM	18.78	19.14	18.99	27.73	0.5929
15+20	1	0	1	99		13.05	13.48	13.23		
15+20	1	74	1	0		20.75	20.93	20.78		
20+10	100	0	50	0	QPSK	19.70	19.98	19.81	28.40	0.6918
20+10	1	0	1	49		12.87	13.27	13.08		
20+10	1	99	1	0		21.48	21.60	21.41		
20+10	100	0	50	0	16-QAM	18.80	18.92	18.93	27.56	0.5702
20+10	1	0	1	49		12.93	13.36	13.23		
20+10	1	99	1	0		20.59	20.76	20.65		
10+20	50	0	100	0	QPSK	19.75	19.97	19.87	28.41	0.6934
10+20	1	0	1	99		12.83	13.22	13.02		
10+20	1	49	1	0		21.39	21.61	21.37		
10+20	50	0	100	0	16-QAM	18.81	18.79	18.99	27.61	0.5768
10+20	1	0	1	99		12.91	13.26	13.24		
10+20	1	49	1	0		20.56	20.81	20.52		
20+5	100	0	25	0	QPSK	19.53	19.61	19.45	28.18	0.6577
20+5	1	0	1	24		12.65	12.80	12.57		
20+5	1	99	1	0		21.28	21.38	21.18		
20+5	100	0	25	0	16-QAM	18.61	18.74	18.54	27.34	0.5420
20+5	1	0	1	24		12.73	13.02	12.63		
20+5	1	99	1	0		20.43	20.54	20.34		
Limit	EIRP < 2W					Result			Pass	



LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 6.8 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+20	25	0	100	0	QPSK	19.45	19.77	19.65	28.22	0.6637
5+20	1	0	1	99		12.56	12.73	12.48		
5+20	1	24	1	0		21.31	21.42	21.28		
5+20	25	0	100	0	16-QAM	18.56	18.87	18.71	27.40	0.5495
5+20	1	0	1	99		12.69	12.94	12.62		
5+20	1	24	1	0		20.47	20.60	20.36		
15+10	75	0	50	0	QPSK	19.57	19.88	19.74	28.41	0.6934
15+10	1	0	1	49		12.65	13.04	12.95		
15+10	1	74	1	0		21.61	21.59	21.55		
15+10	75	0	50	0	16-QAM	18.82	18.81	18.89	27.67	0.5848
15+10	1	0	1	49		12.73	13.01	12.92		
15+10	1	74	1	0		20.75	20.87	20.63		
10+15	50	0	75	0	QPSK	19.48	19.78	19.69	28.34	0.6823
10+15	1	0	1	74		12.47	12.82	12.72		
10+15	1	49	1	0		21.36	21.54	21.38		
10+15	50	0	75	0	16-QAM	18.64	18.99	18.87	27.46	0.5572
10+15	1	0	1	74		12.53	12.93	12.81		
10+15	1	49	1	0		20.49	20.66	20.52		
15+15	75	0	75	0	QPSK	19.74	20.02	19.93	28.41	0.6934
15+15	1	0	1	74		13.04	13.43	13.23		
15+15	1	74	1	0		21.56	21.61	21.60		
15+15	75	0	75	0	16-QAM	18.85	19.09	18.99	27.73	0.5929
15+15	1	0	1	74		13.01	13.41	13.25		
15+15	1	74	1	0		20.73	20.93	20.68		
Limit	EIRP < 2W					Result			Pass	



Appendix B. Test Results of Radiated Test

B1. Summary of each worse mode

Mode	Part	Band	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	AmplCbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
1	Part 22H	LTE B5	M	1664	-47.54	RMS	25.30	-23.91	0.52	-95.23	45.78	-13.00	-34.54	H	0
1	Part 24E	LTE B2	M	11235	-30.19	RMS	39.00	-13.24	0.36	-95.23	38.92	-13.00	-17.19	V	2
2	Part 24E	LTE CA B2C	M	9395	-32.55	RMS	38.28	-14.82	0.41	-95.23	38.82	-13.00	-19.55	V	2
3	Part 24E	LTE B25	H	11385	-29.20	RMS	39.10	-13.15	0.37	-95.23	39.71	-13.00	-16.20	V	2
1	Part 27N	LTE B71	L	1992	-47.48	RMS	26.62	-23.00	0.39	-95.23	43.74	-13.00	-34.48	H	0
1	Part 27H	LTE B12	M	2109	-37.42	RMS	27.38	-22.78	0.35	-95.23	52.86	-13.00	-24.42	V	0
1	Part 27M	LTE B41	M	5175	-41.21	RMS	33.20	-54.34	0.46	-95.23	74.70	-25.00	-16.21	H	2
2	Part 27M	LTE CA B41C	M	5180	-42.84	RMS	33.20	-54.33	0.46	-95.23	73.06	-25.00	-17.84	H	2
1	Part 27L	LTE B66	H	3525	-39.57	RMS	29.65	-20.44	0.90	-95.23	45.55	-13.00	-26.57	H	2
2	Part 27L	LTE CA B66B	H	8848	-37.34	RMS	38.00	-15.21	0.40	-95.23	34.70	-13.00	-24.34	H	2
3	Part 27L	LTE CA B66C	L	3458	-39.52	RMS	29.68	-20.51	0.91	-95.23	45.63	-13.00	-26.52	H	2
4	Part 27L	LTE CA B2A+B66A	L	6844	-40.50	RMS	35.91	-17.01	0.40	-95.23	35.43	-13.00	-27.50	V	2+4

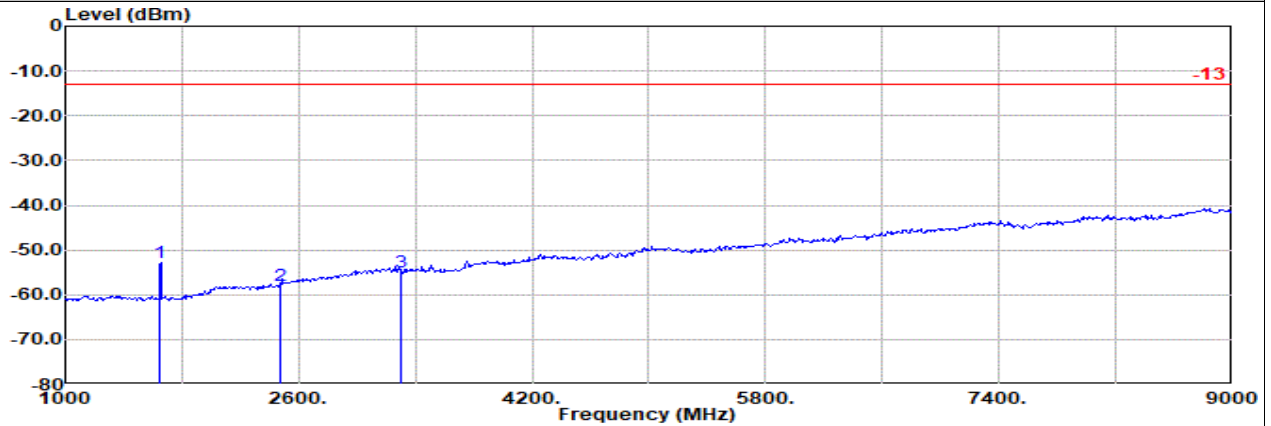


ANT0

Part 22H Mode 1

LTE B5 10M Ch20450 1RB0 QPSK

L

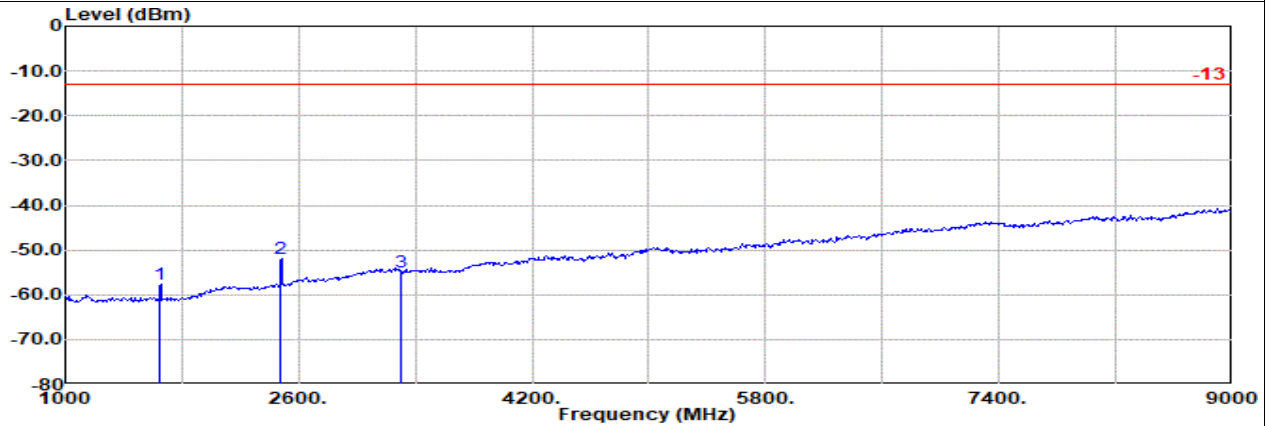


Site : 03CH16-HY

Condition: -13 3m 9120D-02038_231214 Horizontal

: LTE Band 5 10M Ch20450 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	1649.00	-52.80	RMS		25.40	-23.95	0.52	-95.23	40.46	-13.00	-39.80 Horizontal
2	2473.00	-57.95	RMS		27.80	-22.24	0.33	-95.23	31.39	-13.00	-44.95 Horizontal
3	3298.00	-54.80	RMS		29.61	-20.78	0.26	-95.23	31.34	-13.00	-41.80 Horizontal



Site : 03CH16-HY

Condition: -13 3m 9120D-02038_231214 Vertical

: LTE Band 5 10M Ch20450 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	1649.00	-57.58	RMS		25.21	-23.95	0.52	-95.23	35.87	-13.00	-44.58 Vertical
2	2473.00	-51.92	RMS		27.70	-22.24	0.33	-95.23	37.52	-13.00	-38.92 Vertical
3	3298.00	-54.91	RMS		29.60	-20.78	0.26	-95.23	31.24	-13.00	-41.91 Vertical

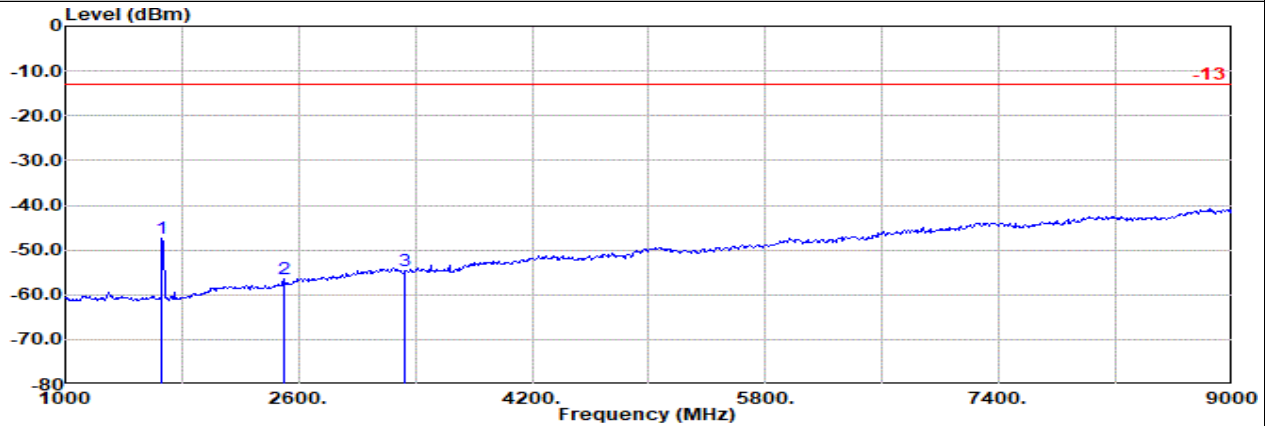


ANT0

Part 22H Mode 1

LTE B5 10M Ch20525 1RB0 QPSK

M

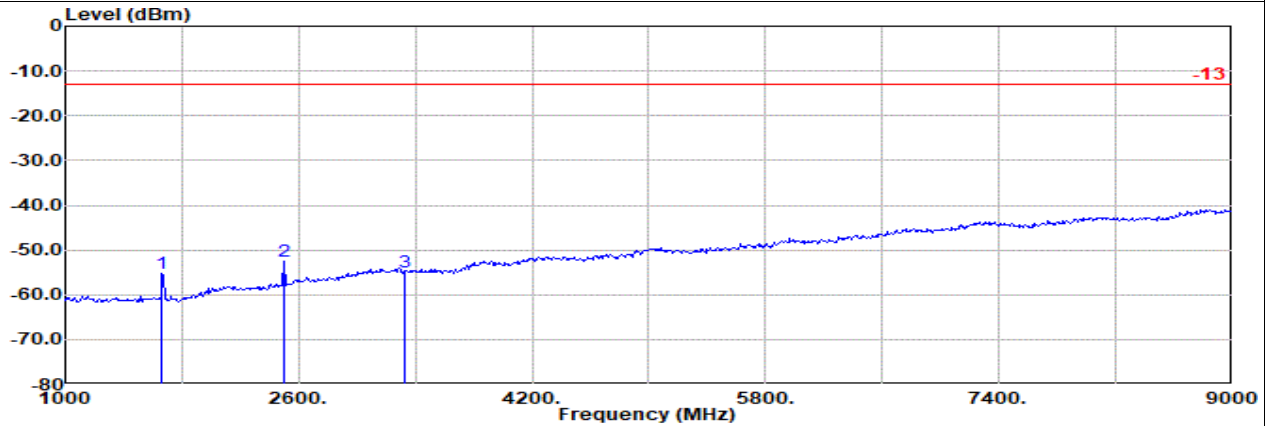


Site : 03CH16-HY

Condition: -13 3m 9120D-02038_231214 Horizontal

: LTE Band 5 10M Ch20525 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter dB	EIRPCF dB	Readin dBuV	Limit dBm	Margin dB	Pol
				Factor	1						
1	1664.00	-47.54	RMS	25.30	-23.91	0.52	-95.23	45.78	-13.00	-34.54	Horizontal
2	2496.00	-56.56	RMS	27.96	-22.25	0.33	-95.23	32.63	-13.00	-43.56	Horizontal
3	3328.00	-54.72	RMS	29.66	-20.73	0.26	-95.23	31.32	-13.00	-41.72	Horizontal



Site : 03CH16-HY

Condition: -13 3m 9120D-02038_231214 Vertical

: LTE Band 5 10M Ch20525 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter dB	EIRPCF dB	Readin dBuV	Limit dBm	Margin dB	Pol
				Factor	1						
1	1664.00	-55.36	RMS	25.10	-23.91	0.52	-95.23	38.16	-13.00	-42.36	Vertical
2	2496.00	-52.64	RMS	27.80	-22.25	0.33	-95.23	36.71	-13.00	-39.64	Vertical
3	3328.00	-54.93	RMS	29.54	-20.73	0.26	-95.23	31.23	-13.00	-41.93	Vertical

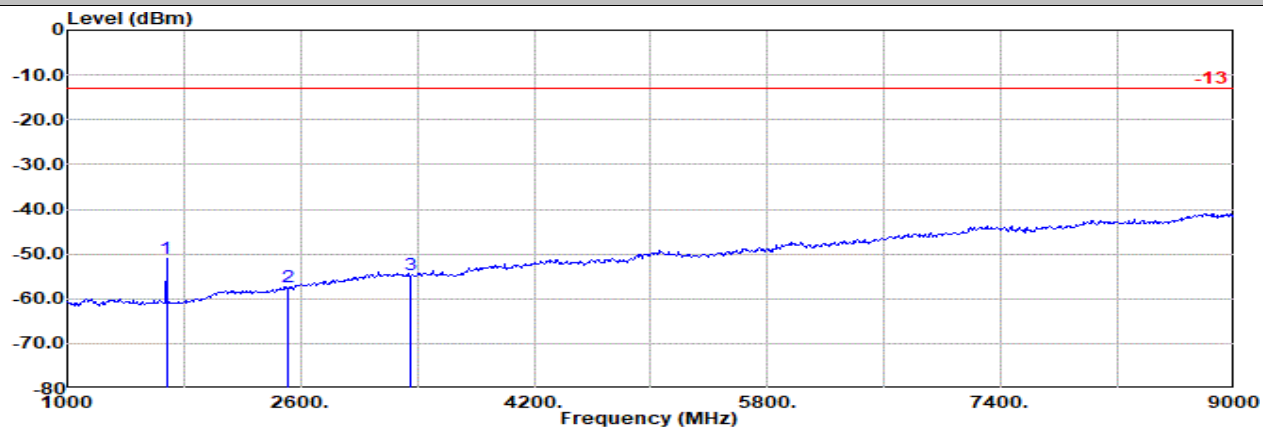


ANT0

Part 22H Mode 1

LTE B5 10M Ch20600 1RB0 QPSK

H

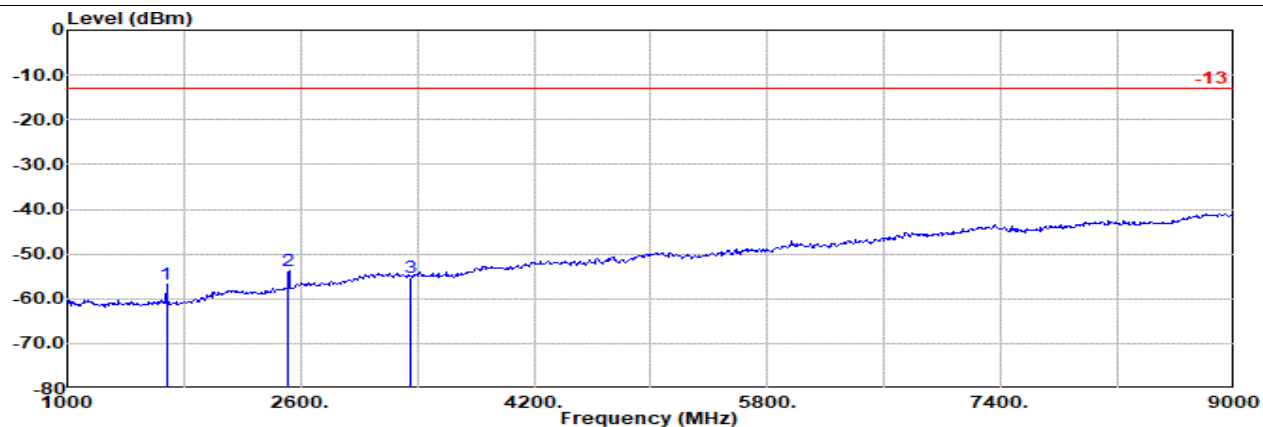


Site : 03CH16-HY

Condition: -13 3m 9120D-02038_231214 Horizontal

: LTE Band 5 10M Ch20600 1RB0 QPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	1679.00	-51.15 RMS	25.39	-23.87	0.51	-95.23	42.05	-13.00	-38.15	Horizontal
2	2518.00	-57.34 RMS	28.00	-22.21	0.33	-95.23	31.77	-13.00	-44.34	Horizontal
3	3358.00	-54.69 RMS	29.72	-20.68	0.26	-95.23	31.24	-13.00	-41.69	Horizontal



Site : 03CH16-HY

Condition: -13 3m 9120D-02038_231214 Vertical

: LTE Band 5 10M Ch20600 1RB0 QPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	1679.00	-56.63 RMS	25.10	-23.87	0.51	-95.23	36.86	-13.00	-43.63	Vertical
2	2518.00	-53.75 RMS	27.88	-22.21	0.33	-95.23	35.48	-13.00	-40.75	Vertical
3	3358.00	-55.09 RMS	29.52	-20.68	0.26	-95.23	31.04	-13.00	-42.09	Vertical

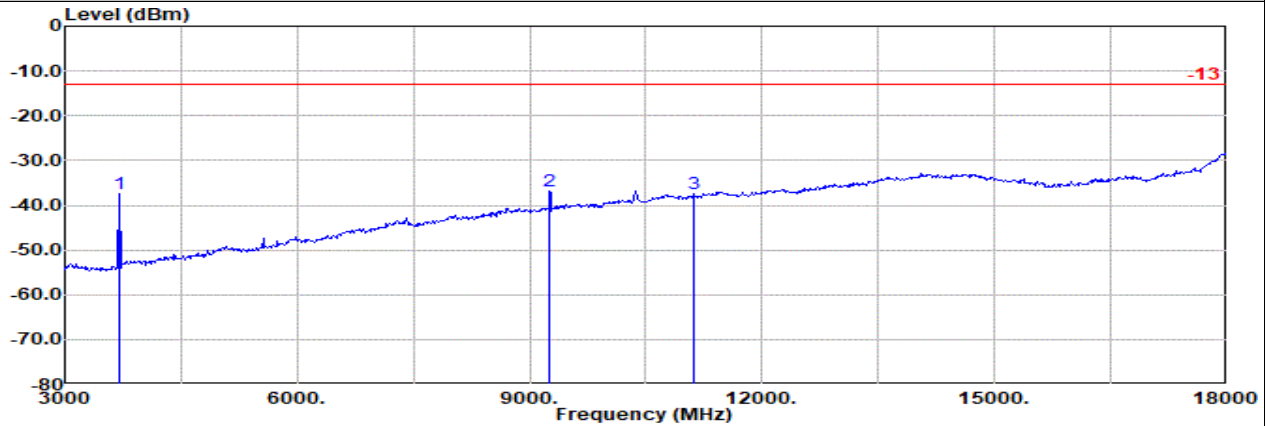


ANT2

Part 24E Mode 1

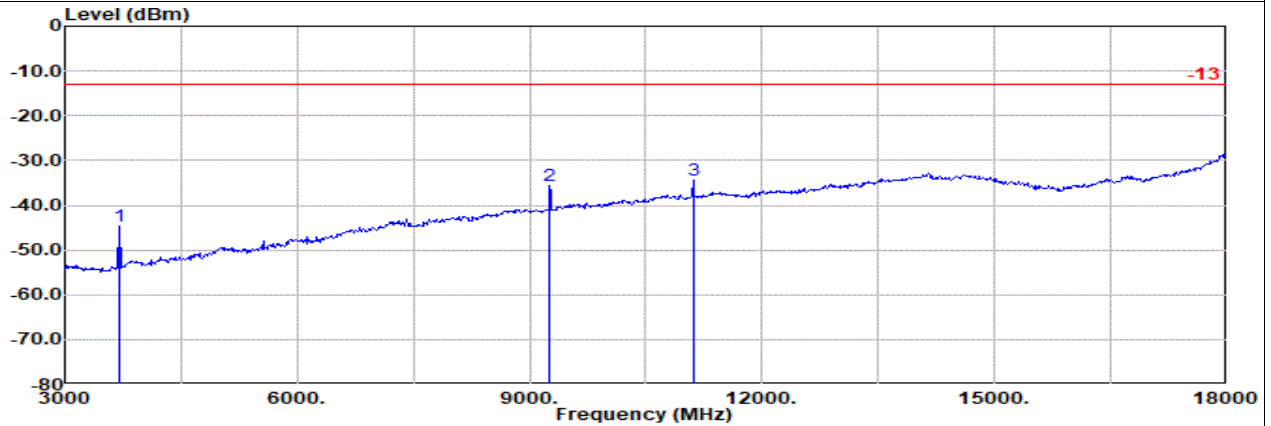
LTE B2 20M Ch18700 1RB0 QPSK

L



Site : 03CH16-HY
Condition: -13 3m 9120D-02038_231214 Horizontal
: LTE Band 2 20M Ch18700 1RB0 QPSK

Freq	Level	Detector	Ant Factor	Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				dB/m	dB					
1	3705.00	-37.45 RMS	29.94	-20.12	0.81	-95.23	-54.23	-13.00	-24.45	Horizontal
2	9255.00	-36.90 RMS	38.10	-14.91	0.55	-95.23	34.59	-13.00	-23.90	Horizontal
3	11115.00	-37.41 RMS	38.90	-13.32	0.36	-95.23	31.88	-13.00	-24.41	Horizontal



Site : 03CH16-HY
Condition: -13 3m 9120D-02038_231214 Vertical
: LTE Band 2 20M Ch18700 1RB0 QPSK

Freq	Level	Detector	Ant Factor	Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				dB/m	dB					
1	3705.00	-44.72 RMS	29.72	-20.12	0.81	-95.23	40.10	-13.00	-31.72	Vertical
2	9255.00	-35.67 RMS	38.11	-14.91	0.55	-95.23	35.81	-13.00	-22.67	Vertical
3	11115.00	-34.55 RMS	38.93	-13.32	0.36	-95.23	34.71	-13.00	-21.55	Vertical

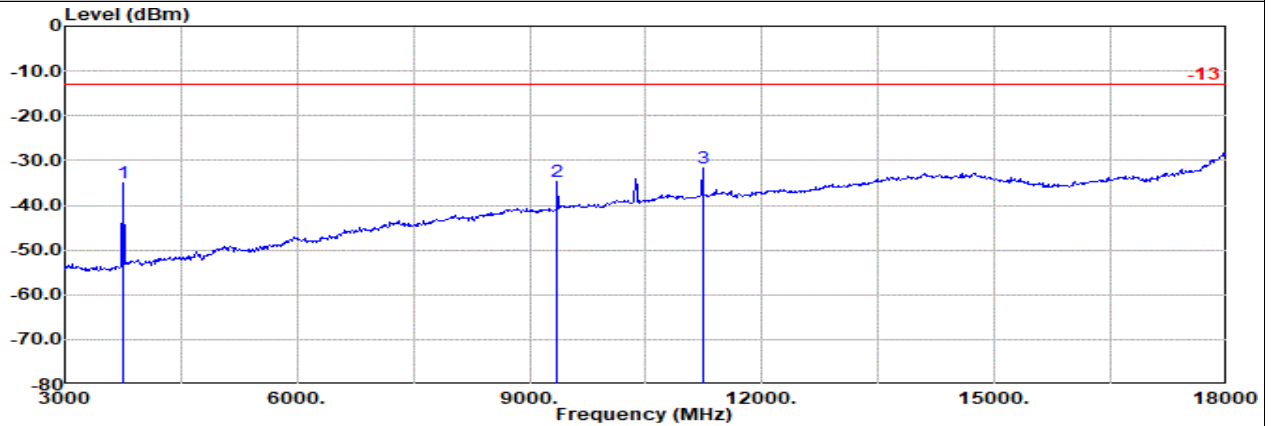


ANT2

Part 24E Mode 1

LTE B2 20M Ch18900 1RB0 QPSK

M

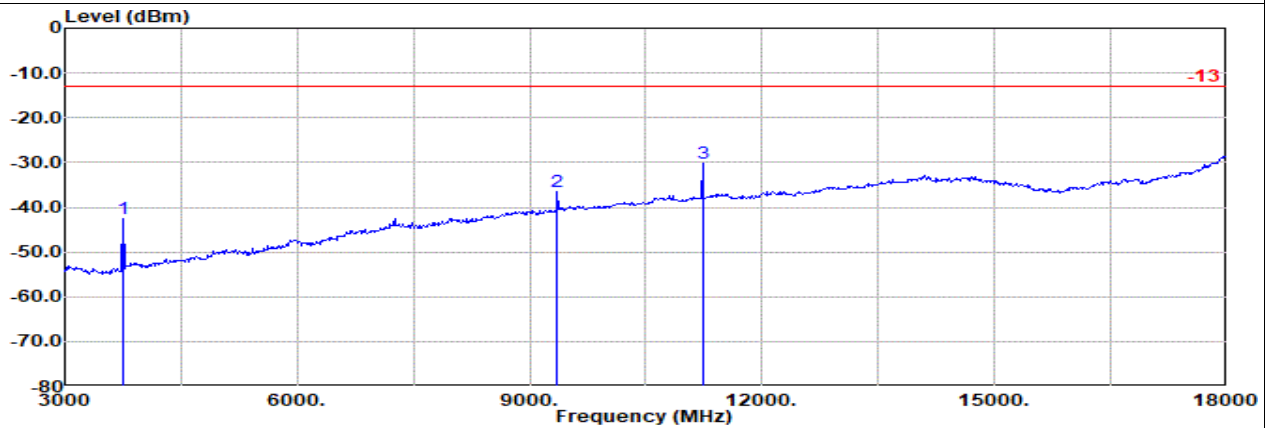


Site : 03CH16-HY

Condition: -13 3m 9120D-02038_231214 Horizontal

: LTE Band 2 20M Ch18900 1RB0 QPSK

	Freq Level		Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm			dB/m	dB			dBuV	dBm		
1	3750.00	-34.89	RMS	30.30	-19.97	0.76	-95.23	49.25	-13.00	-21.89	Horizontal	
2	9360.00	-34.86	RMS	38.24	-14.84	0.44	-95.23	36.53	-13.00	-21.86	Horizontal	
3	11235.00	-31.73	RMS	39.14	-13.24	0.36	-95.23	37.24	-13.00	-18.73	Horizontal	



Site : 03CH16-HY

Condition: -13 3m 9120D-02038_231214 Vertical

: LTE Band 2 20M Ch18900 1RB0 QPSK

	Freq Level		Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm			dB/m	dB			dBuV	dBm		
1	3750.00	-42.44	RMS	29.90	-19.97	0.76	-95.23	42.10	-13.00	-29.44	Vertical	
2	9360.00	-36.45	RMS	38.14	-14.84	0.44	-95.23	35.04	-13.00	-23.45	Vertical	
3	11235.00	-30.19	RMS	39.00	-13.24	0.36	-95.23	38.92	-13.00	-17.19	Vertical	

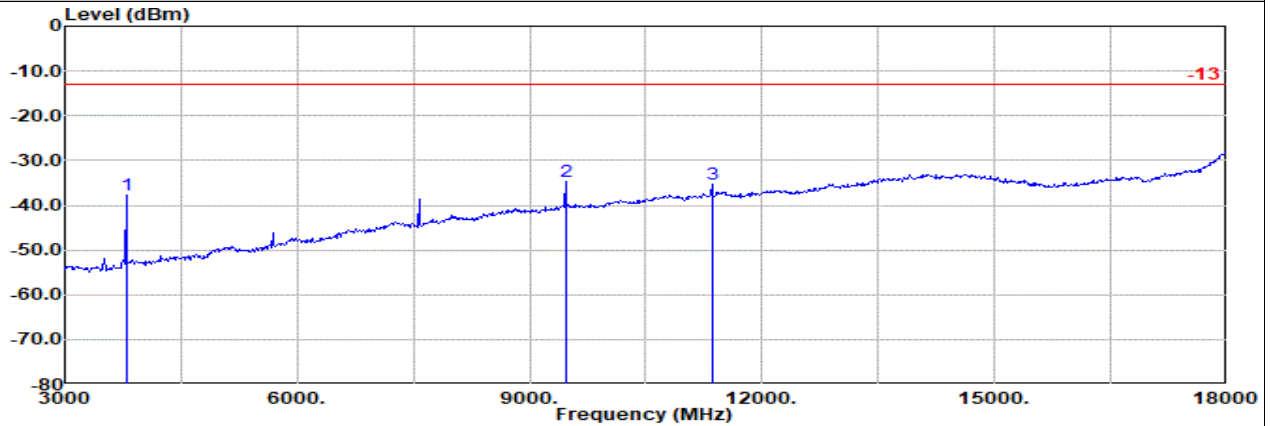


ANT2

Part 24E Mode 1

LTE B2 20M Ch19100 1RB0 QPSK

H

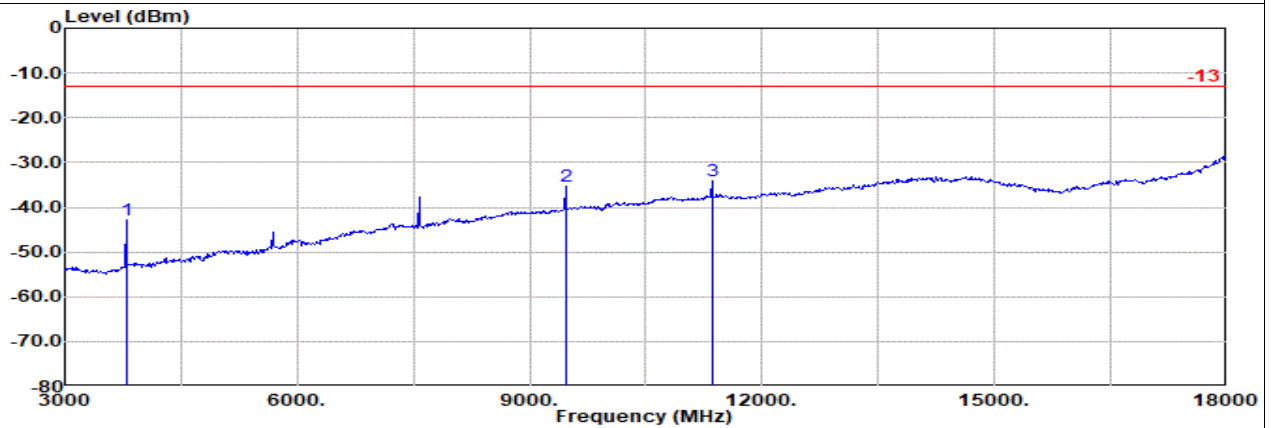


Site : 03CH16-HY

Condition: -13 3m 9120D-02038_231214 Horizontal

: LTE Band 2 20M Ch19100 1RB0 QPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
MHz	dBm									
1	3795.00	-37.71 RMS	30.48	-19.83	0.72	-95.23	46.15	-13.00	-24.71	Horizontal
2	9465.00	-34.59 RMS	38.40	-14.58	0.40	-95.23	36.42	-13.00	-21.59	Horizontal
3	11355.00	-35.18 RMS	39.11	-13.17	0.37	-95.23	33.74	-13.00	-22.18	Horizontal



Site : 03CH16-HY

Condition: -13 3m 9120D-02038_231214 Vertical

: LTE Band 2 20M Ch19100 1RB0 QPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
MHz	dBm									
1	3795.00	-42.76 RMS	30.26	-19.83	0.72	-95.23	41.32	-13.00	-29.76	Vertical
2	9465.00	-35.22 RMS	38.43	-14.58	0.40	-95.23	35.76	-13.00	-22.22	Vertical
3	11355.00	-33.96 RMS	39.10	-13.17	0.37	-95.23	34.97	-13.00	-20.96	Vertical

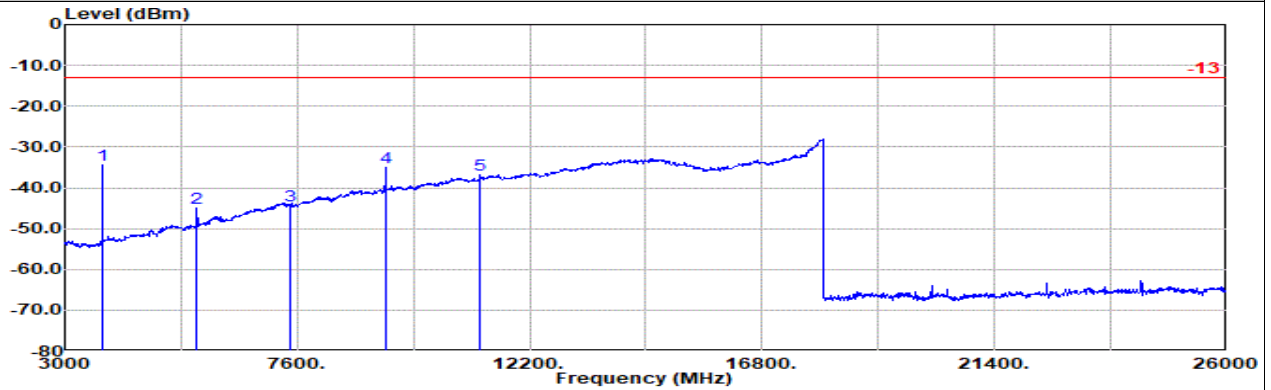


ANT2

Part 24E Mode 2

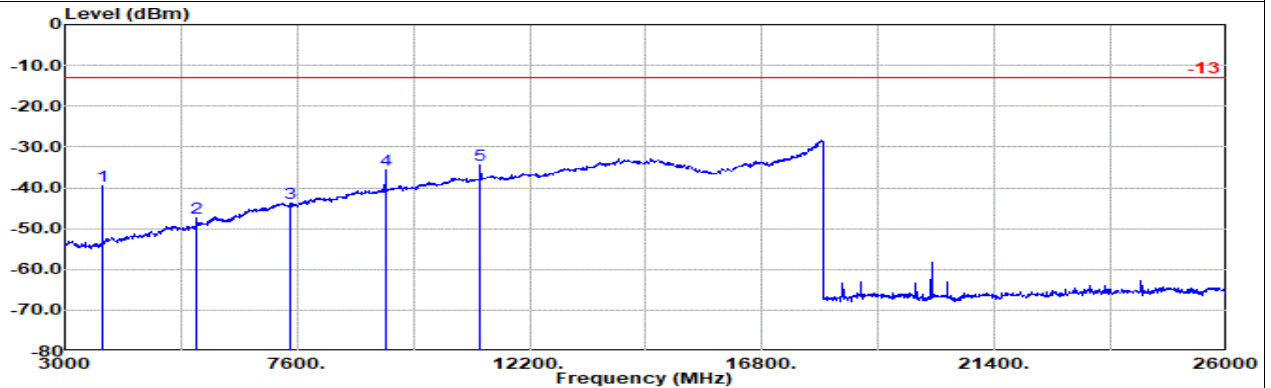
LTE CA B2C 20M + 20M Ch18700 1RB99 QPSK + Ch18898 1RB0 QPSK

L



Site : 03CH16-HY
Condition: -13 3m 9120D-02038_231214 Horizontal
: LTE Band 2 20M Ch 18700 1RB99 QPSK
: LTE Band 2 20M Ch 18898 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	3737.00	-34.39	RMS	30.20	-20.01	0.78	-95.23	49.87	-13.00	-21.39 Horizontal
2	5606.00	-44.88	RMS	33.09	-17.52	0.39	-95.23	34.39	-13.00	-31.88 Horizontal
3	7475.00	-44.35	RMS	36.40	-16.78	0.43	-95.23	30.83	-13.00	-31.35 Horizontal
4	9344.00	-35.04	RMS	38.19	-14.85	0.46	-95.23	36.39	-13.00	-22.04 Horizontal
5	11213.00	-36.75	RMS	39.05	-13.26	0.36	-95.23	32.33	-13.00	-23.75 Horizontal



Site : 03CH16-HY
Condition: -13 3m 9120D-02038_231214 Vertical
: LTE Band 2 20M Ch 18700 1RB99 QPSK
: LTE Band 2 20M Ch 18898 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	3737.00	-39.53	RMS	29.85	-20.01	0.78	-95.23	45.08	-13.00	-26.53 Vertical
2	5606.00	-47.52	RMS	32.92	-17.52	0.39	-95.23	31.92	-13.00	-34.52 Vertical
3	7475.00	-43.69	RMS	36.35	-16.78	0.43	-95.23	31.54	-13.00	-30.69 Vertical
4	9344.00	-35.61	RMS	38.11	-14.85	0.46	-95.23	35.90	-13.00	-22.61 Vertical
5	11213.00	-34.45	RMS	39.00	-13.26	0.36	-95.23	34.68	-13.00	-21.45 Vertical

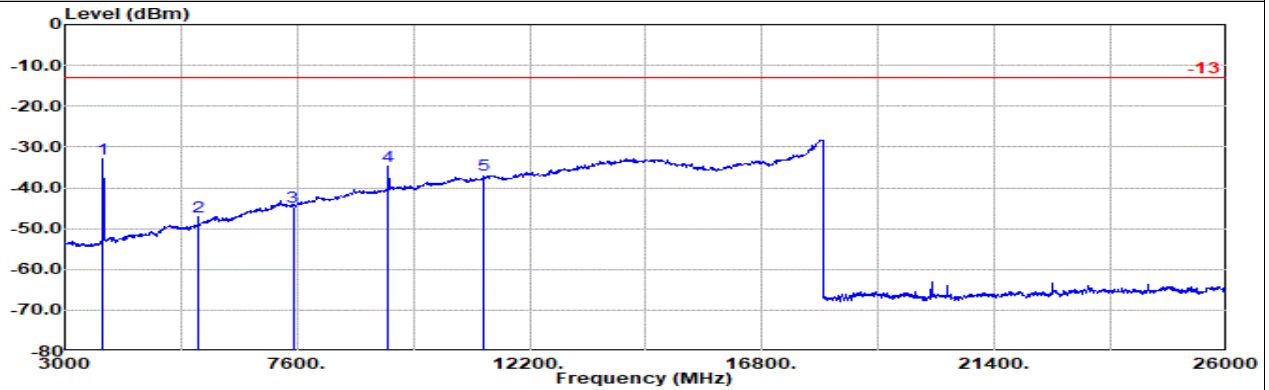


ANT2

Part 24E Mode 2

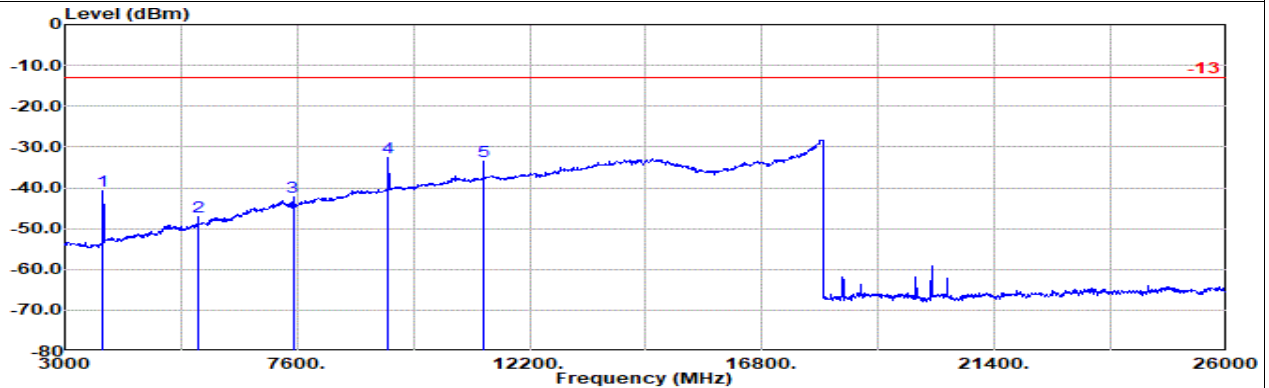
LTE CA B2C 20M + 20M Ch18801 1RB99 QPSK + Ch18999 1RB0 QPSK

M



Site : 03CH16-HY
Condition: -13 3m 9120D-02038_231214 Horizontal
: LTE Band 2 20M Ch 18801 1RB99 QPSK
: LTE Band 2 20M Ch 18999 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	3758.00	-32.84	RMS	30.33	-19.95	0.76 -95.23	51.25	-13.00	-19.84	Horizontal
2	5637.00	-46.94	RMS	33.03	-17.50	0.39 -95.23	32.37	-13.00	-33.94	Horizontal
3	7516.00	-44.56	RMS	36.27	-16.75	0.47 -95.23	30.68	-13.00	-31.56	Horizontal
4	9395.00	-34.86	RMS	38.38	-14.82	0.41 -95.23	36.41	-13.00	-21.86	Horizontal
5	11274.00	-36.74	RMS	39.15	-13.22	0.37 -95.23	32.19	-13.00	-23.74	Horizontal



Site : 03CH16-HY
Condition: -13 3m 9120D-02038_231214 Vertical
: LTE Band 2 20M Ch 18801 1RB99 QPSK
: LTE Band 2 20M Ch 18999 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	3758.00	-40.80	RMS	29.96	-19.95	0.76 -95.23	43.66	-13.00	-27.80	Vertical
2	5637.00	-47.19	RMS	33.05	-17.50	0.39 -95.23	32.10	-13.00	-34.19	Vertical
3	7516.00	-42.25	RMS	36.30	-16.75	0.47 -95.23	32.96	-13.00	-29.25	Vertical
4	9395.00	-32.55	RMS	38.28	-14.82	0.41 -95.23	38.82	-13.00	-19.55	Vertical
5	11274.00	-33.36	RMS	39.05	-13.22	0.37 -95.23	35.67	-13.00	-20.36	Vertical

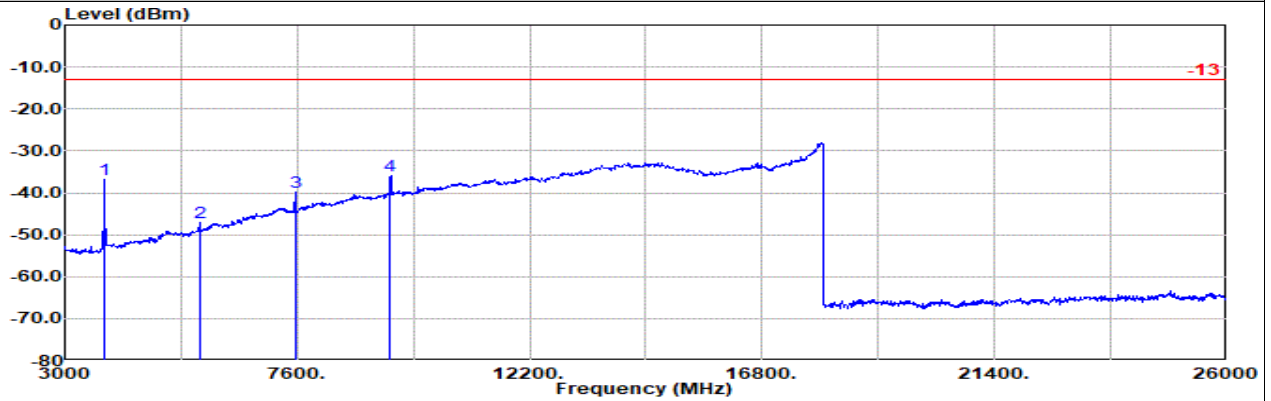


ANT2

Part 24E Mode 2

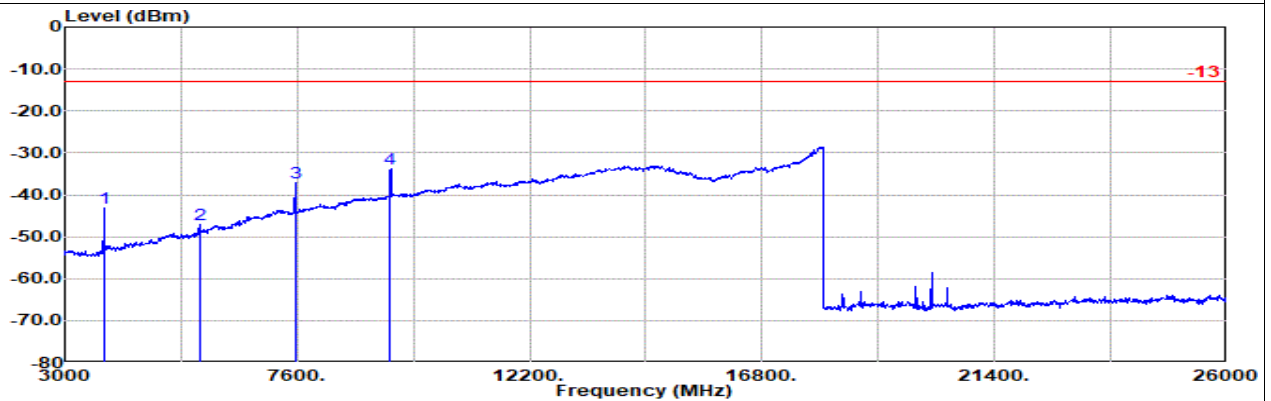
LTE CA B2C 20M + 20M Ch18902 1RB99 QPSK + Ch19100 1RB0 QPSK

H



Site : 03CH16-HY
Condition: -13 3m 9120D-02038_231214 Horizontal
: LTE Band 2 20M Ch 18902 1RB99 QPSK
: LTE Band 2 20M Ch 19100 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF		Readin	Limit	Margin Pol	
				Factor	1						
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	3778.00	-36.81	RMS		30.41	-19.88	0.74	-95.23	47.15	-13.00	-23.81 Horizontal
2	5667.00	-47.19	RMS		33.10	-17.48	0.39	-95.23	32.03	-13.00	-34.19 Horizontal
3	7556.00	-39.76	RMS		36.21	-16.68	0.50	-95.23	35.44	-13.00	-26.76 Horizontal
4	9445.00	-35.85	RMS		38.40	-14.65	0.40	-95.23	35.23	-13.00	-22.85 Horizontal



Site : 03CH16-HY
Condition: -13 3m 9120D-02038_231214 Vertical
: LTE Band 2 20M Ch 18902 1RB99 QPSK
: LTE Band 2 20M Ch 19100 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF		Readin	Limit	Margin Pol	
				Factor	1						
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	3778.00	-43.28	RMS		30.12	-19.88	0.74	-95.23	40.97	-13.00	-30.28 Vertical
2	5667.00	-47.11	RMS		33.20	-17.48	0.39	-95.23	32.01	-13.00	-34.11 Vertical
3	7556.00	-37.22	RMS		36.30	-16.68	0.50	-95.23	37.89	-13.00	-24.22 Vertical
4	9445.00	-33.92	RMS		38.39	-14.65	0.40	-95.23	37.17	-13.00	-20.92 Vertical

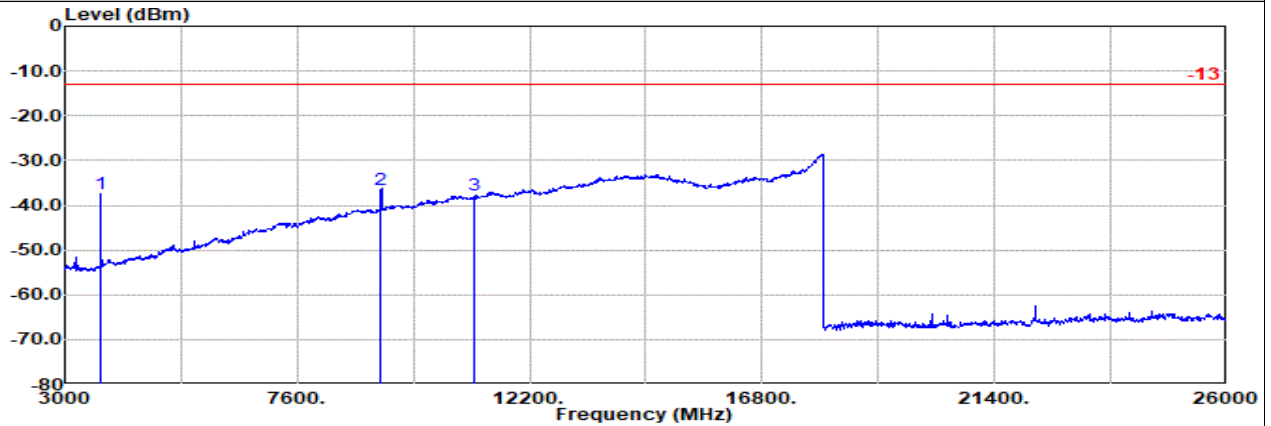


ANT2

Part 24E Mode 3

LTE B25 20M Ch26140 1RB0 QPSK

L

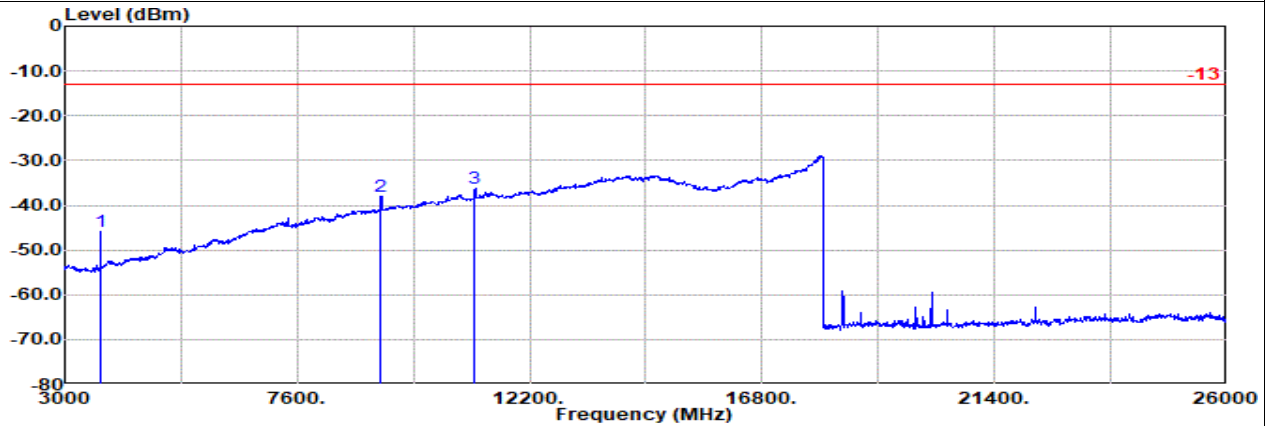


Site : 03CH16-HY

Condition: -13 1m SHF_00993_231124 Horizontal

: LTE Band 25 20M Ch 26140 1RB0 QPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
MHz	dBm									
1	3705.00	-37.54 RMS	29.94	-20.12	0.81	-95.23	0.00	-13.00	-24.54	Horizontal
2	9255.00	-36.56 RMS	38.10	-14.91	0.55	-95.23	34.93	-13.00	-23.56	Horizontal
3	11115.00	-37.83 RMS	38.90	-13.32	0.36	-95.23	31.46	-13.00	-24.83	Horizontal



Site : 03CH16-HY

Condition: -13 1m SHF_00993_231124 Vertical

: LTE Band 25 20M Ch 26140 1RB0 QPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
MHz	dBm									
1	3705.00	-45.82 RMS	29.72	-20.12	0.81	-95.23	39.00	-13.00	-32.82	Vertical
2	9255.00	-38.01 RMS	38.11	-14.91	0.55	-95.23	33.47	-13.00	-25.01	Vertical
3	11115.00	-36.34 RMS	38.93	-13.32	0.36	-95.23	32.92	-13.00	-23.34	Vertical

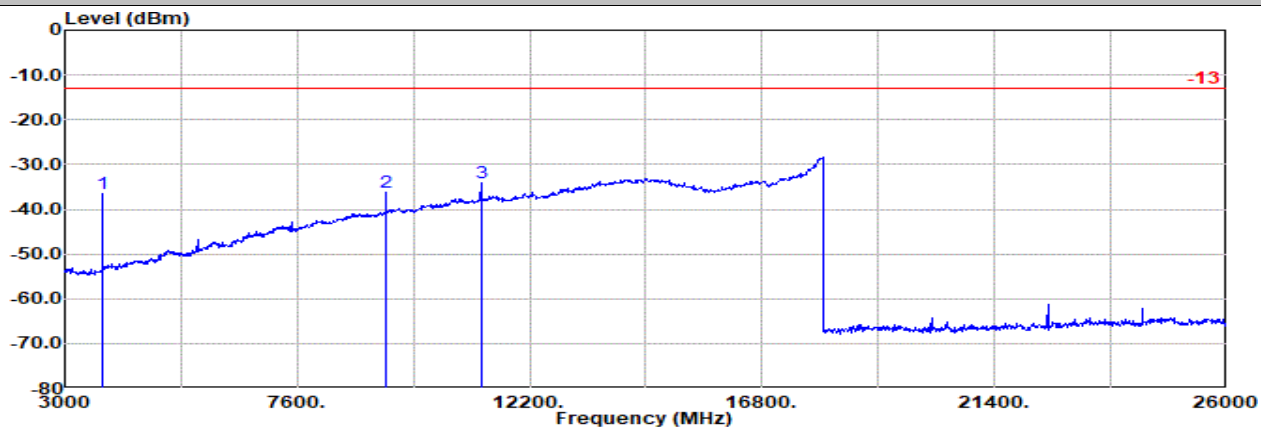


ANT2

Part 24E Mode 3

LTE B25 20M Ch26340 1RB0 QPSK

M

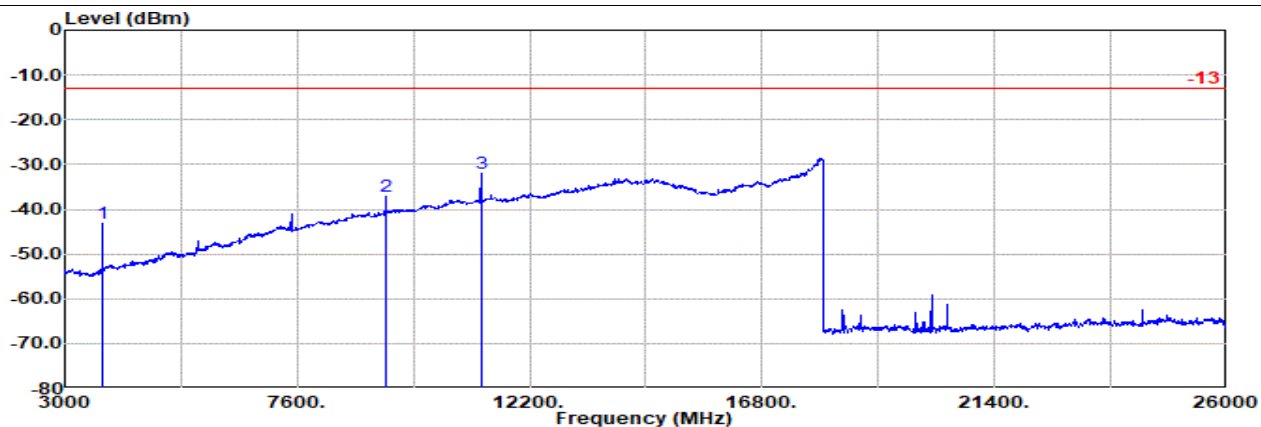


Site : 03CH16-HY

Condition: -13 1m SHF_00993_231124 Horizontal

: LTE Band 25 20M Ch 26340 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
					dB/m	dB						
1	3750.00	-36.65	RMS	30.30	-19.97	0.76	-95.23	47.49	-13.00	-23.65	Horizontal	
2	9360.00	-36.28	RMS	38.24	-14.84	0.44	-95.23	35.11	-13.00	-23.28	Horizontal	
3	11235.00	-34.18	RMS	39.14	-13.24	0.36	-95.23	34.79	-13.00	-21.18	Horizontal	



Site : 03CH16-HY

Condition: -13 1m SHF_00993_231124 Vertical

: LTE Band 25 20M Ch 26340 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
					dB/m	dB						
1	3750.00	-43.28	RMS	29.90	-19.97	0.76	-95.23	41.26	-13.00	-30.28	Vertical	
2	9360.00	-37.19	RMS	38.14	-14.84	0.44	-95.23	34.30	-13.00	-24.19	Vertical	
3	11235.00	-31.88	RMS	39.00	-13.24	0.36	-95.23	37.23	-13.00	-18.88	Vertical	

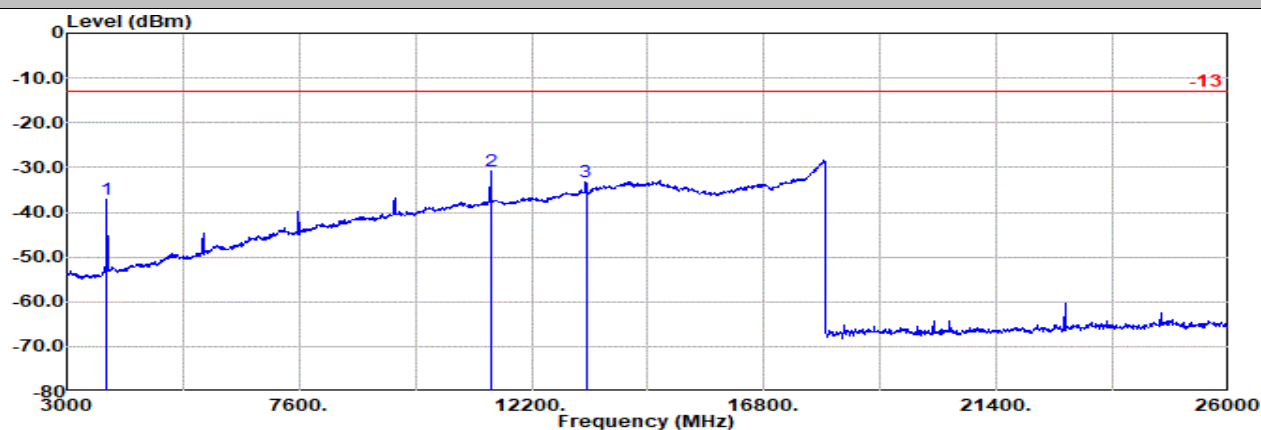


ANT2

Part 24E Mode 3

LTE B25 20M Ch26590 1RB0 QPSK

H

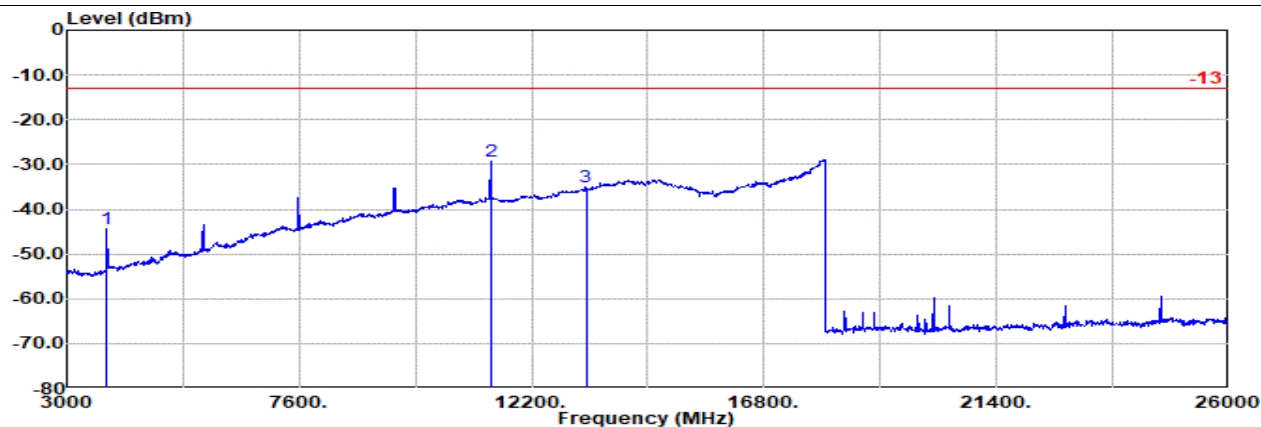


Site : 03CH16-HY

Condition: -13 1m SHF_00993_231124 Horizontal

: LTE Band 25 20M Ch 26590 1RB0 QPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	3795.00	-37.15	RMS	30.48	-19.83	0.72	-95.23	46.71	-13.00	-24.15
2	11385.00	-30.91	RMS	39.17	-13.15	0.37	-95.23	37.93	-13.00	-17.91
3	13275.00	-33.31	RMS	40.05	-12.40	0.45	-95.23	33.82	-13.00	-20.31



Site : 03CH16-HY

Condition: -13 1m SHF_00993_231124 Vertical

: LTE Band 25 20M Ch 26590 1RB0 QPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	3795.00	-44.46	RMS	30.26	-19.83	0.72	-95.23	39.62	-13.00	-31.46
2	11385.00	-29.20	RMS	39.10	-13.15	0.37	-95.23	39.71	-13.00	-16.20
3	13275.00	-35.07	RMS	39.85	-12.40	0.45	-95.23	32.26	-13.00	-22.07

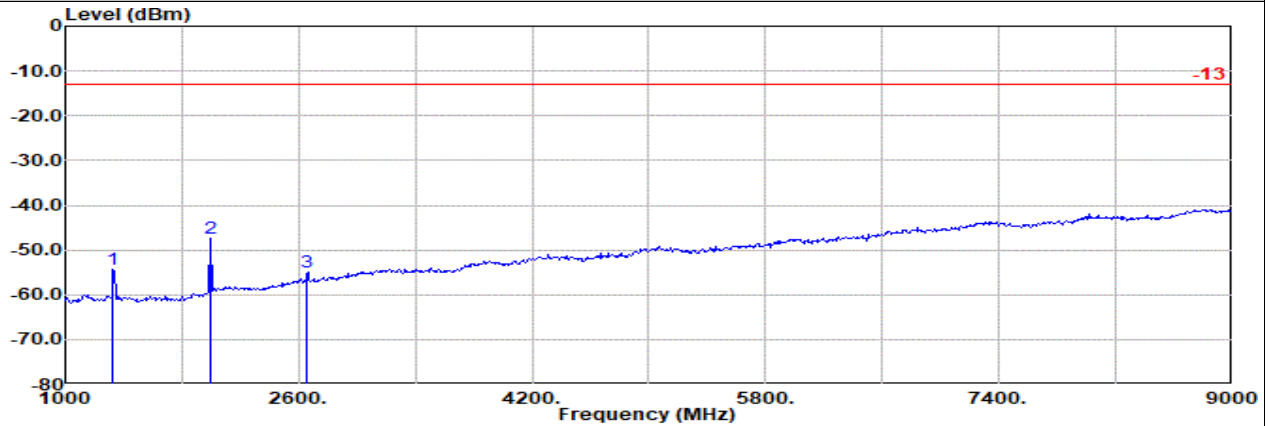


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Part 27N Mode 1

LTE B71 20M Ch133222 1RB0 QPSK

L

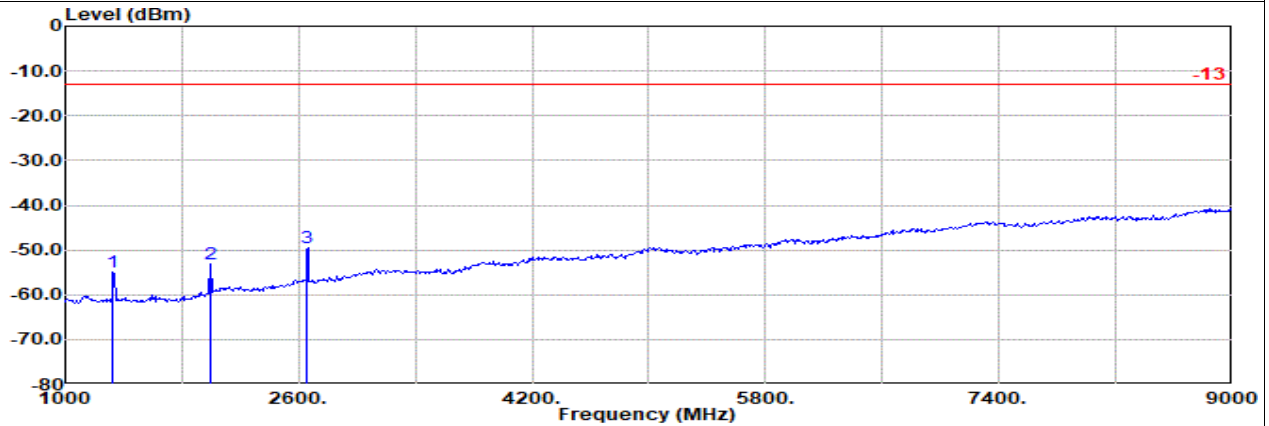


Site : 03CH16-HY

Condition: -13 3m 9120D-02038_231214 Horizontal

: LTE Band 71 20M Ch133222 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm				dB	dB	dBuV	dBm	dB	
1	1328.00	-54.31	RMS	25.92	-25.58	0.85	-95.23	39.73	-13.00	-41.31	Horizontal
2	1992.00	-47.48	RMS	26.62	-23.00	0.39	-95.23	43.74	-13.00	-34.48	Horizontal
3	2656.00	-54.89	RMS	28.24	-21.94	0.33	-95.23	33.71	-13.00	-41.89	Horizontal



Site : 03CH16-HY

Condition: -13 3m 9120D-02038_231214 Vertical

: LTE Band 71 20M Ch133222 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm				dB	dB	dBuV	dBm	dB	
1	1328.00	-55.06	RMS	25.34	-25.58	0.85	-95.23	39.56	-13.00	-42.06	Vertical
2	1992.00	-53.00	RMS	26.44	-23.00	0.39	-95.23	38.40	-13.00	-40.00	Vertical
3	2656.00	-49.62	RMS	28.34	-21.94	0.33	-95.23	38.88	-13.00	-36.62	Vertical

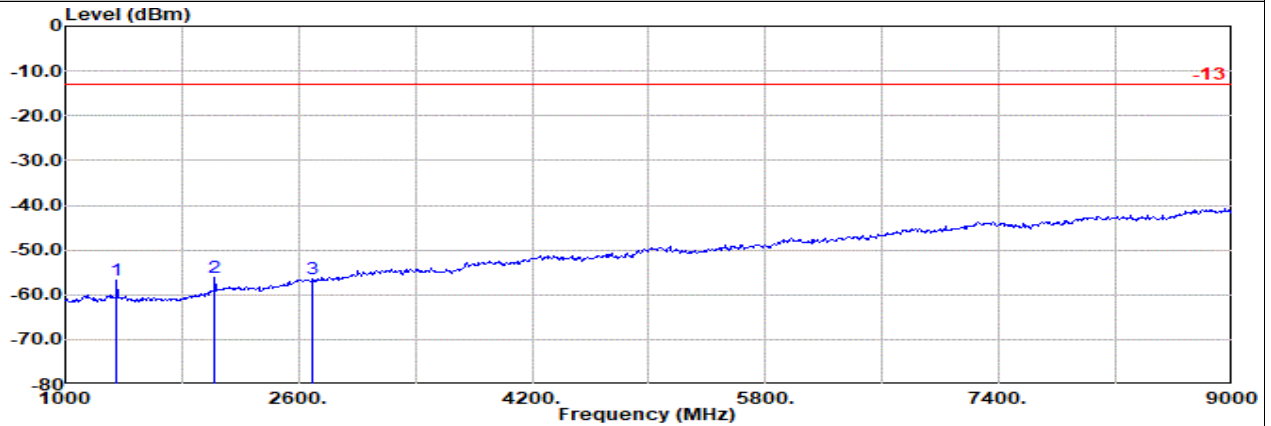


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Part 27N Mode 1

LTE B71 20M Ch133322 1RB0 QPSK

M

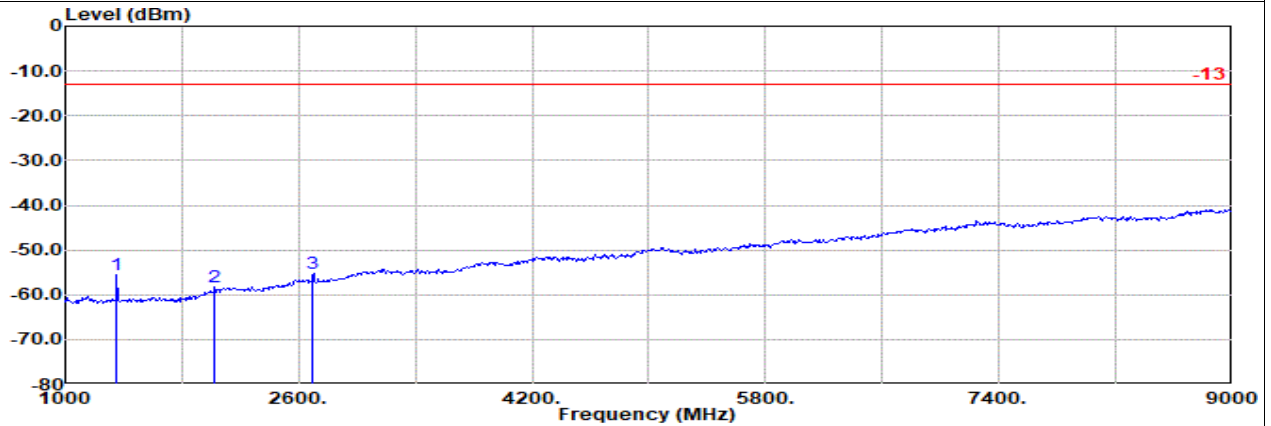


Site : 03CH16-HY

Condition: -13 3m 9120D-02038_231214 Horizontal

: LTE Band 71 20M Ch133322 1RB0 QPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	1348.00	-56.64 RMS	25.90	-25.45	0.81	-95.23	37.33	-13.00	-43.64	Horizontal
2	2022.00	-56.10 RMS	27.02	-22.94	0.38	-95.23	34.67	-13.00	-43.10	Horizontal
3	2696.00	-56.32 RMS	28.36	-21.87	0.33	-95.23	32.09	-13.00	-43.32	Horizontal



Site : 03CH16-HY

Condition: -13 3m 9120D-02038_231214 Vertical

: LTE Band 71 20M Ch133322 1RB0 QPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	1348.00	-55.57 RMS	25.56	-25.45	0.81	-95.23	38.74	-13.00	-42.57	Vertical
2	2022.00	-58.16 RMS	26.90	-22.94	0.38	-95.23	32.73	-13.00	-45.16	Vertical
3	2696.00	-55.13 RMS	28.26	-21.87	0.33	-95.23	33.38	-13.00	-42.13	Vertical

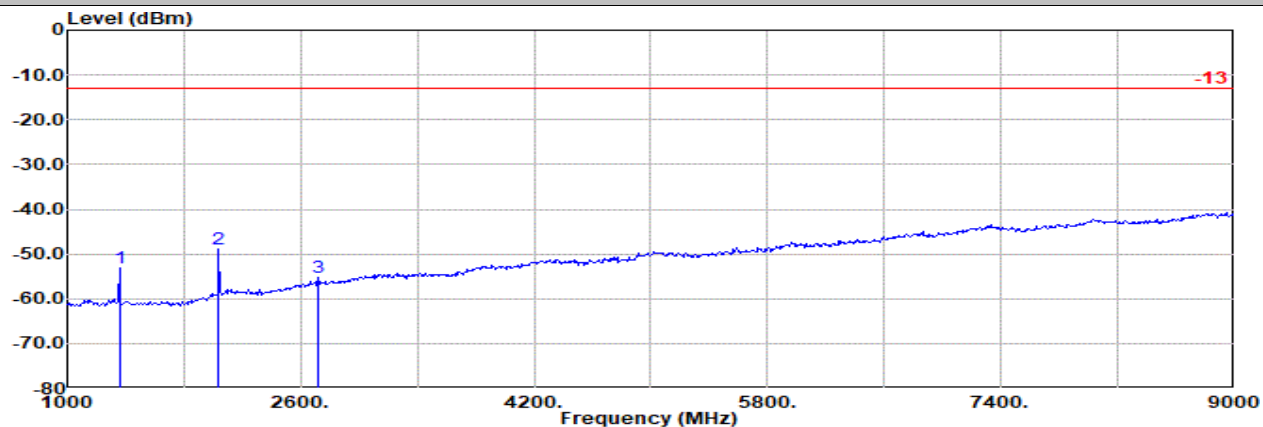


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Part 27N Mode 1

LTE B71 20M Ch133372 1RB0 QPSK

H

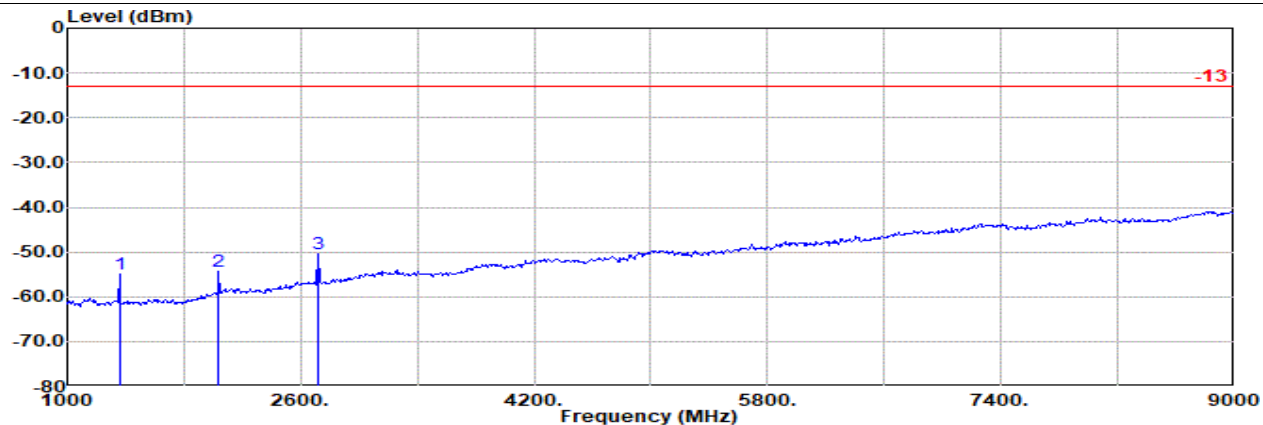


Site : 03CH16-HY

Condition: -13 3m 9120D-02038_231214 Horizontal

: LTE Band 71 20M Ch133372 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	1358.00	-53.22	RMS	25.82	-25.38	0.79	-95.23	40.78	-13.00	-40.22	Horizontal
2	2037.00	-48.77	RMS	27.17	-22.91	0.38	-95.23	41.82	-13.00	-35.77	Horizontal
3	2716.00	-55.36	RMS	28.46	-21.83	0.33	-95.23	32.91	-13.00	-42.36	Horizontal



Site : 03CH16-HY

Condition: -13 3m 9120D-02038_231214 Vertical

: LTE Band 71 20M Ch133372 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	1358.00	-55.02	RMS	25.52	-25.38	0.79	-95.23	39.28	-13.00	-42.02	Vertical
2	2037.00	-54.41	RMS	26.83	-22.91	0.38	-95.23	36.52	-13.00	-41.41	Vertical
3	2716.00	-50.32	RMS	28.20	-21.83	0.33	-95.23	38.21	-13.00	-37.32	Vertical

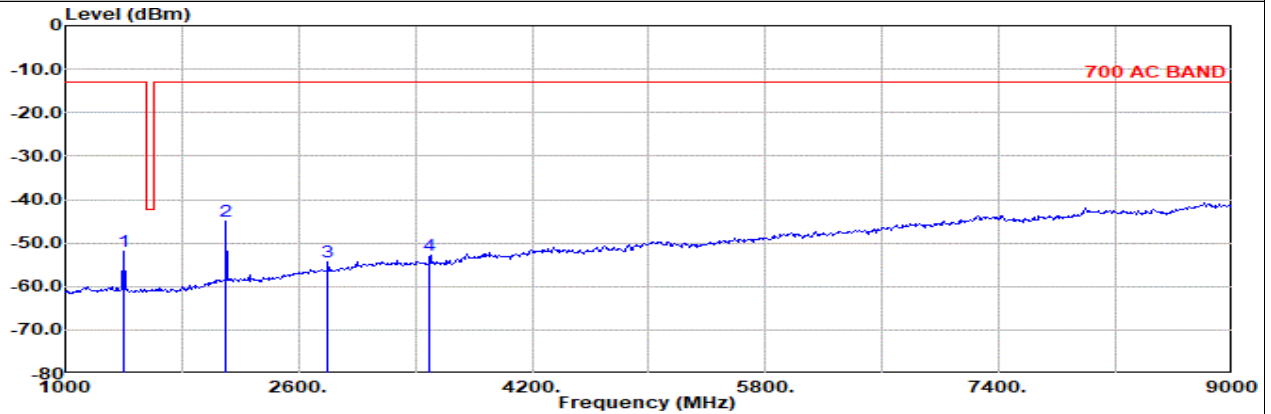


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Part 27H Mode 1

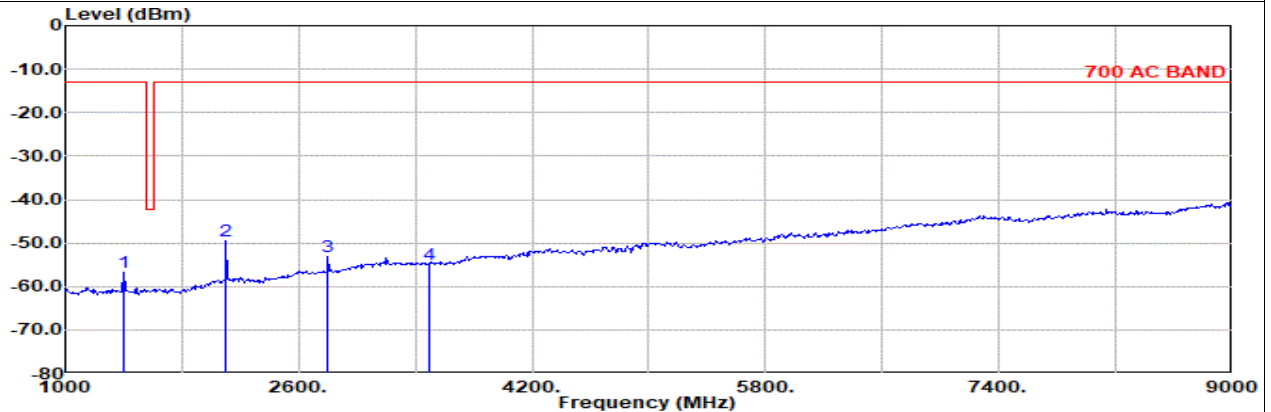
LTE B12 10M Ch23060 1RB0 QPSK

L



Site : 03CH16-HY
Condition: 700 AC BAND 3m 9120D-02038_231214 Horizontal
: LTE Band 12 10M Ch23060 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	1399.00	-51.91	RMS	25.99	-25.11	0.70	-95.23	41.74	-13.00	-38.91
2	2098.00	-44.88	RMS	27.32	-22.80	0.36	-95.23	45.47	-13.00	-31.88
3	2798.00	-54.35	RMS	28.68	-21.69	0.34	-95.23	33.55	-13.00	-41.35
4	3497.00	-52.68	RMS	29.61	-20.45	0.29	-95.23	33.10	-13.00	-39.68



Site : 03CH16-HY
Condition: 700 AC BAND 3m 9120D-02038_231214 Vertical
: LTE Band 12 10M Ch23060 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	1399.00	-56.82	RMS	25.60	-25.11	0.70	-95.23	37.22	-13.00	-43.82
2	2098.00	-49.44	RMS	27.20	-22.80	0.36	-95.23	41.03	-13.00	-36.44
3	2798.00	-53.09	RMS	28.30	-21.69	0.34	-95.23	35.19	-13.00	-40.09
4	3497.00	-54.85	RMS	29.41	-20.45	0.29	-95.23	31.13	-13.00	-41.85

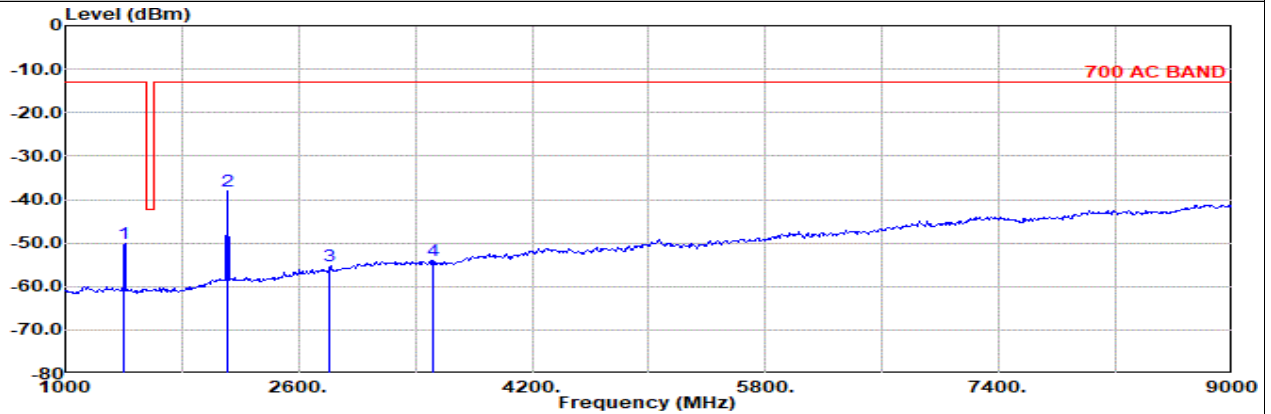


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Part 27H Mode 1

LTE B12 10M Ch23095 1RB0 QPSK

M

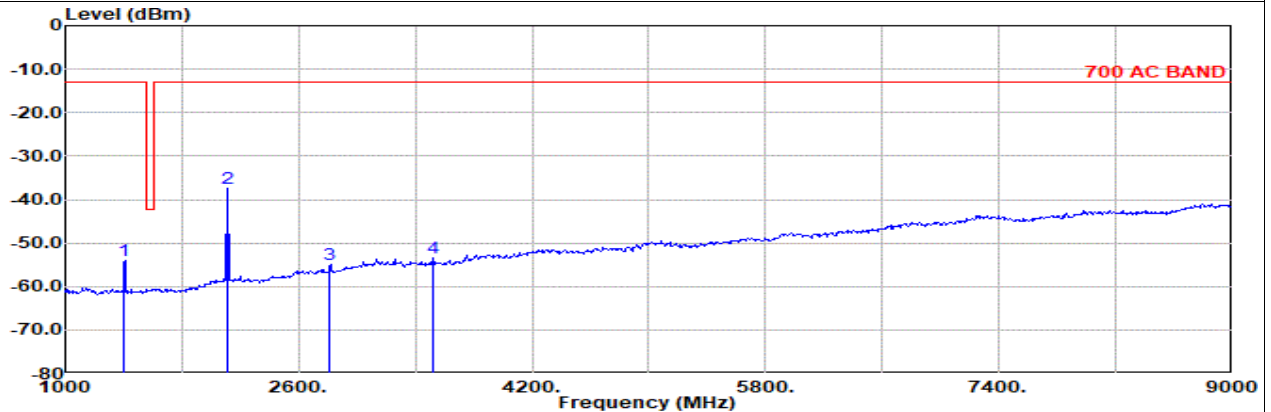


Site : 03CH16-HY

Condition: 700 AC BAND 3m 9120D-02038_231214 Horizontal

: LTE Band 12 10M Ch23095 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	1406.00	-50.15	RMS	26.00	-25.07	0.70	-95.23	43.45	-13.00	-37.15
2	2109.00	-37.98	RMS	27.30	-22.78	0.35	-95.23	52.38	-13.00	-24.98
3	2812.00	-55.20	RMS	28.70	-21.66	0.34	-95.23	32.65	-13.00	-42.20
4	3515.00	-53.97	RMS	29.63	-20.44	0.29	-95.23	31.78	-13.00	-40.97



Site : 03CH16-HY

Condition: 700 AC BAND 3m 9120D-02038_231214 Vertical

: LTE Band 12 10M Ch23095 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	1406.00	-54.02	RMS	25.60	-25.07	0.70	-95.23	39.98	-13.00	-41.02
2	2109.00	-37.42	RMS	27.38	-22.78	0.35	-95.23	52.86	-13.00	-24.42
3	2812.00	-54.79	RMS	28.40	-21.66	0.34	-95.23	33.36	-13.00	-41.79
4	3515.00	-53.56	RMS	29.46	-20.44	0.29	-95.23	32.36	-13.00	-40.56

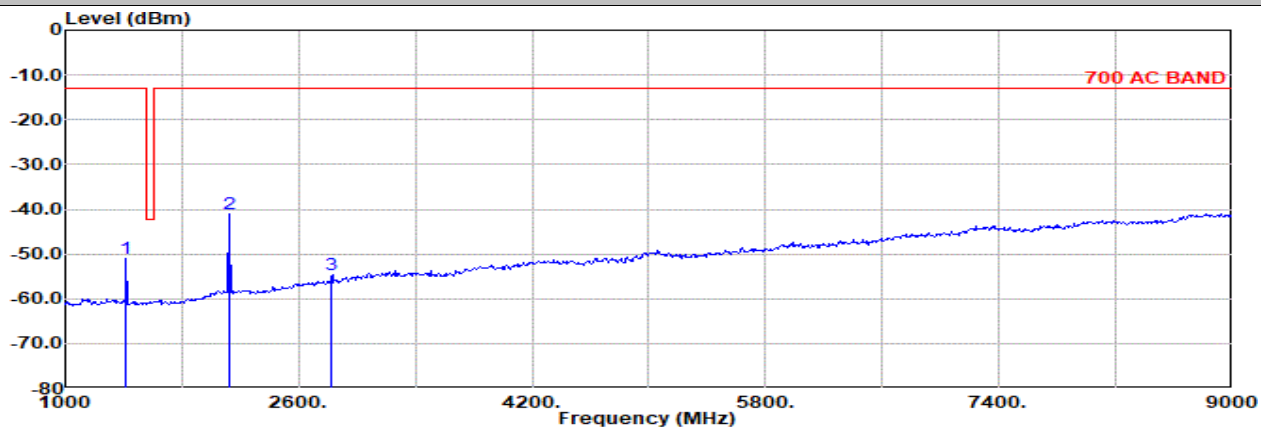


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Part 27H Mode 1

LTE B12 10M Ch23130 1RB0 QPSK

H

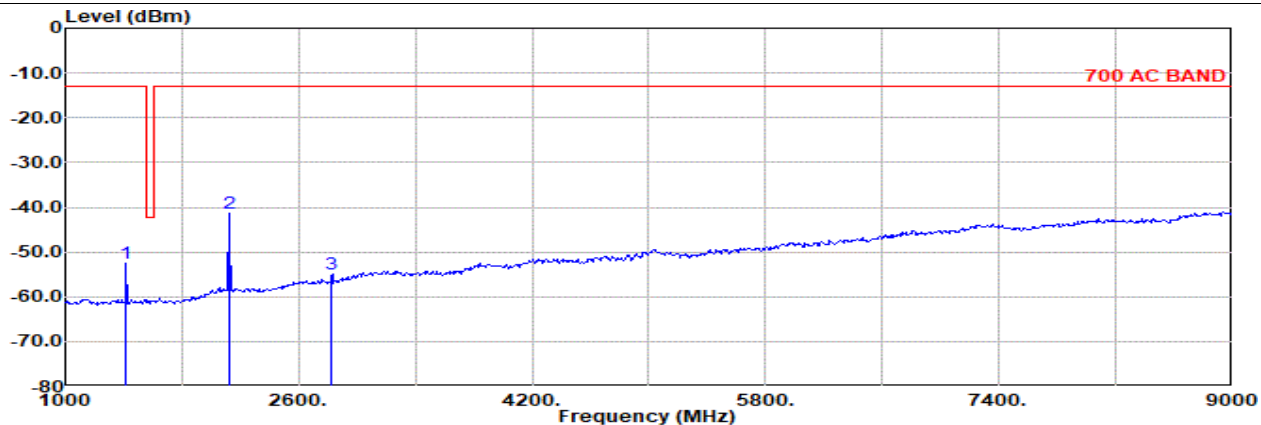


Site : 03CH16-HY

Condition: 700 AC BAND 3m 9120D-02038_231214 Horizontal

: LTE Band 12 10M Ch23130 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	1413.00	-50.95	RMS		26.00	-25.02	0.69 -95.23	42.61	-13.00	-37.95	Horizontal
2	2119.00	-40.95	RMS		27.39	-22.76	0.35 -95.23	49.30	-13.00	-27.95	Horizontal
3	2826.00	-54.72	RMS		28.70	-21.63	0.33 -95.23	33.11	-13.00	-41.72	Horizontal



Site : 03CH16-HY

Condition: 700 AC BAND 3m 9120D-02038_231214 Vertical

: LTE Band 12 10M Ch23130 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	1413.00	-52.45	RMS		25.60	-25.02	0.69 -95.23	41.51	-13.00	-39.45	Vertical
2	2119.00	-41.37	RMS		27.40	-22.76	0.35 -95.23	48.87	-13.00	-28.37	Vertical
3	2826.00	-54.80	RMS		28.40	-21.63	0.33 -95.23	33.33	-13.00	-41.80	Vertical

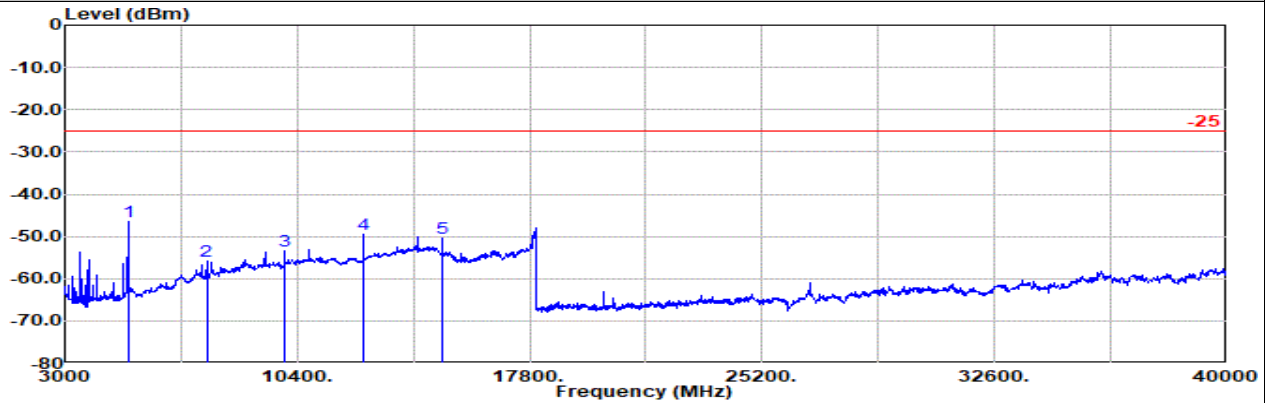


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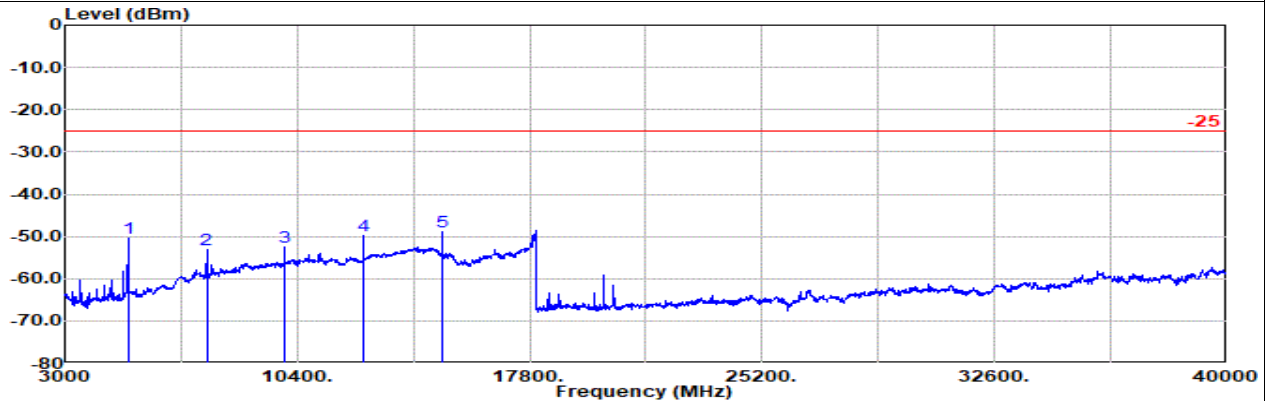
Part 27M Mode 1

LTE B41 20M Ch39750 1RB0 QPSK

L



Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	5010.00	-46.34 RMS	33.24	-54.59	0.45	-95.23	69.79	-25.00	-21.34	Horizontal
2	7515.00	-56.00 RMS	36.27	-51.95	0.47	-95.23	54.44	-25.00	-31.00	Horizontal
3	10020.00	-53.47 RMS	38.44	-50.99	0.34	-95.23	53.97	-25.00	-28.47	Horizontal
4	12510.00	-49.59 RMS	39.02	-47.95	0.41	-95.23	54.16	-25.00	-24.59	Horizontal
5	15015.00	-50.30 RMS	39.71	-46.49	0.42	-95.23	51.29	-25.00	-25.30	Horizontal



Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	5010.00	-50.48 RMS	33.20	-54.59	0.45	-95.23	65.69	-25.00	-25.48	Vertical
2	7515.00	-53.19 RMS	36.30	-51.95	0.47	-95.23	57.22	-25.00	-28.19	Vertical
3	10020.00	-52.41 RMS	38.44	-50.99	0.34	-95.23	55.03	-25.00	-27.41	Vertical
4	12510.00	-49.90 RMS	39.04	-47.95	0.41	-95.23	53.83	-25.00	-24.90	Vertical
5	15015.00	-48.89 RMS	39.58	-46.49	0.42	-95.23	52.83	-25.00	-23.89	Vertical

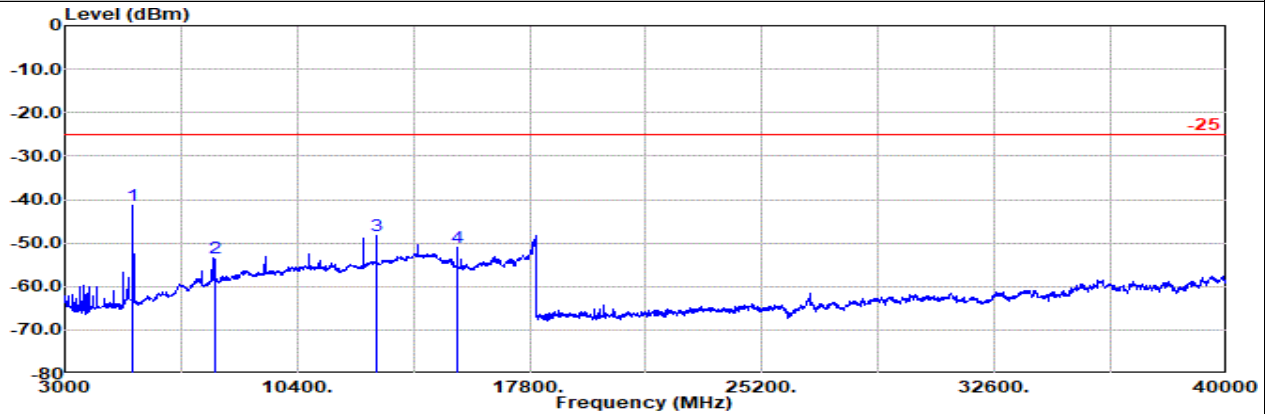


ANT2

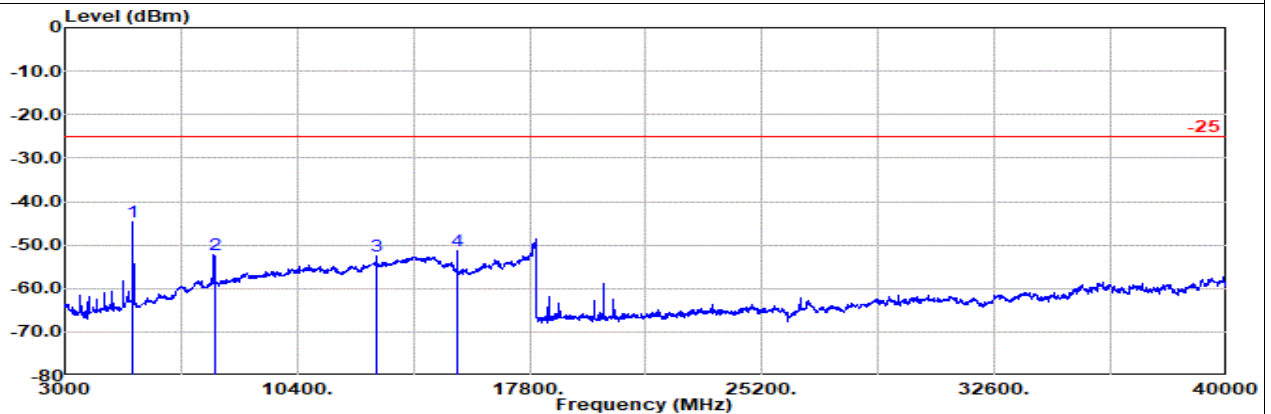
Part 27M Mode 1

LTE B41 20M Ch40620 1RB0 QPSK

M



	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		Factor	1			dBuV	dBm		
1	5175.00	-41.21	RMS	33.20	-54.34	0.46	-95.23	74.70	-25.00	-16.21	Horizontal
2	7762.00	-53.44	RMS	36.65	-51.74	0.45	-95.23	56.43	-25.00	-28.44	Horizontal
3	12930.00	-48.37	RMS	40.00	-47.78	0.43	-95.23	54.21	-25.00	-23.37	Horizontal
4	15510.00	-51.03	RMS	38.40	-46.56	0.39	-95.23	51.97	-25.00	-26.03	Horizontal



	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		Factor	1			dBuV	dBm		
1	5175.00	-44.77	RMS	33.00	-54.34	0.46	-95.23	71.34	-25.00	-19.77	Vertical
2	7762.00	-52.28	RMS	36.72	-51.74	0.45	-95.23	57.52	-25.00	-27.28	Vertical
3	12930.00	-52.49	RMS	39.96	-47.78	0.43	-95.23	50.13	-25.00	-27.49	Vertical
4	15510.00	-51.35	RMS	37.66	-46.56	0.39	-95.23	52.39	-25.00	-26.35	Vertical

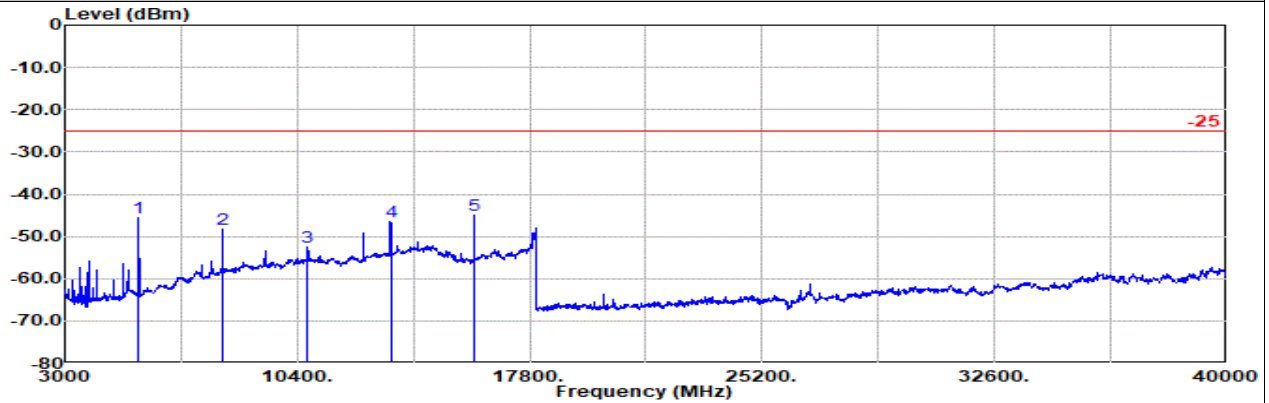


ANT2

Part 27M Mode 1

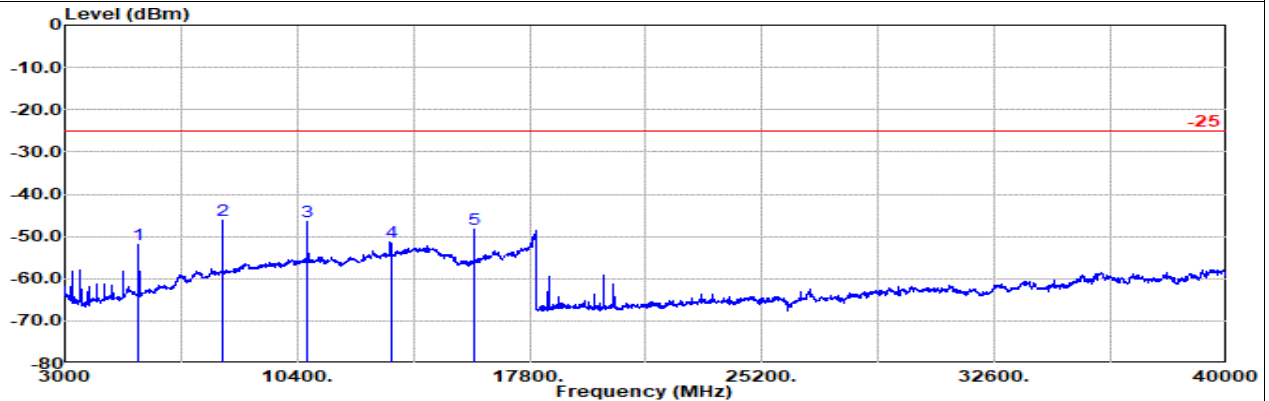
LTE B41 20M Ch41490 1RB0 QPSK

H



Site : 03CH16-HY
Condition: -25 1m SHF_00993_231124 Horizontal
: LTE B41 20M Ch41490 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	5355.00	-45.69	RMS	32.99	-54.11	0.41	-95.23	70.25	-25.00	-20.69	Horizontal
2	8025.00	-48.41	RMS	37.20	-51.82	0.54	-95.23	60.90	-25.00	-23.41	Horizontal
3	10710.00	-52.53	RMS	39.18	-49.68	0.35	-95.23	52.85	-25.00	-27.53	Horizontal
4	13387.00	-46.53	RMS	40.42	-47.49	0.46	-95.23	55.31	-25.00	-21.53	Horizontal
5	16035.00	-44.88	RMS	37.87	-46.56	0.36	-95.23	58.68	-25.00	-19.88	Horizontal



Site : 03CH16-HY
Condition: -25 1m SHF_00993_231124 Vertical
: LTE B41 20M Ch41490 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	5355.00	-51.85	RMS	32.90	-54.11	0.41	-95.23	64.18	-25.00	-26.85	Vertical
2	8025.00	-46.31	RMS	37.00	-51.82	0.54	-95.23	63.20	-25.00	-21.31	Vertical
3	10710.00	-46.41	RMS	39.18	-49.68	0.35	-95.23	58.97	-25.00	-21.41	Vertical
4	13387.00	-51.41	RMS	40.30	-47.49	0.46	-95.23	50.55	-25.00	-26.41	Vertical
5	16035.00	-48.20	RMS	37.50	-46.56	0.36	-95.23	55.73	-25.00	-23.20	Vertical

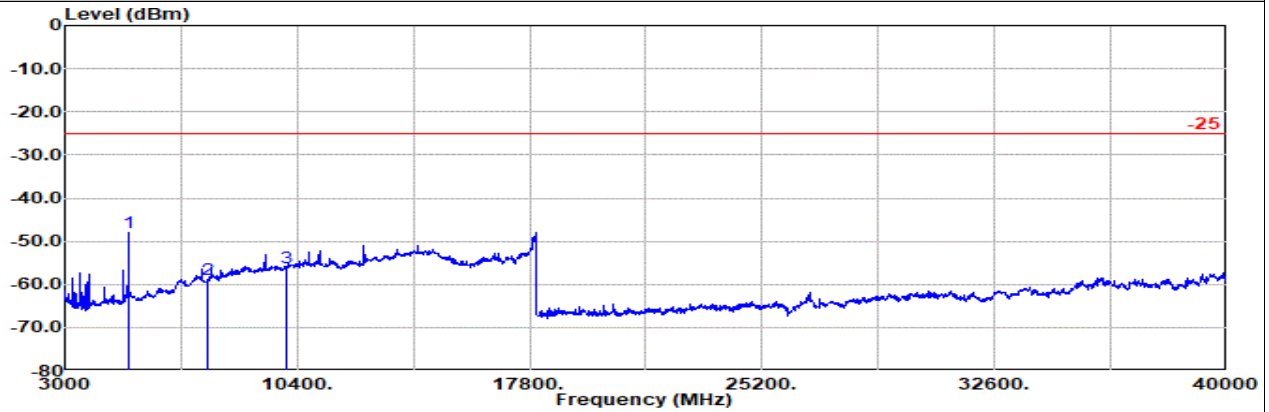


ANT2

Part 27M Mode 2

LTE CA B41C 20M + 20M Ch39750 1RB99 QPSK + Ch39948 1RB0 QPSK

L



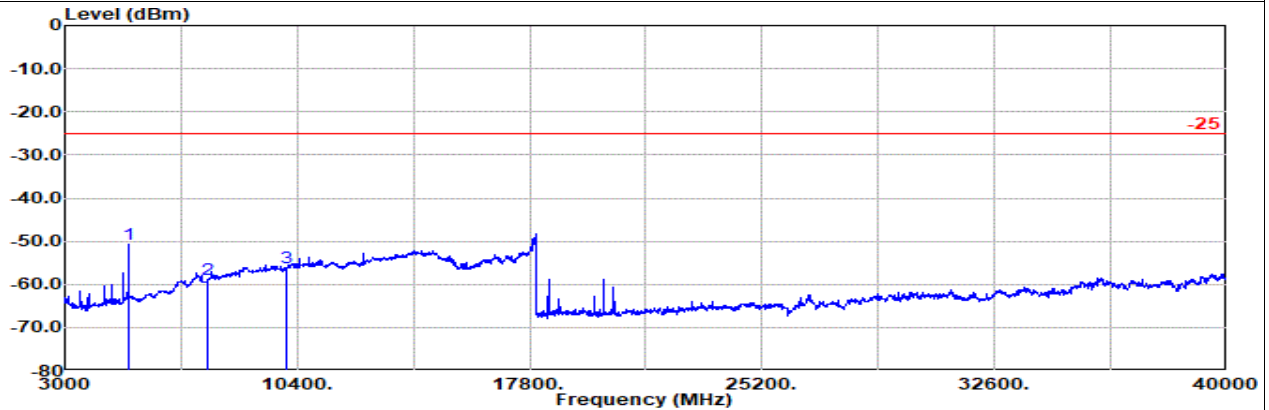
Site : 03CH16-HY

Condition: -25 1m SHF_00993_231124 Horizontal

: LTE Band 41 20M Ch39750 1RB99 QPSK

: LTE Band 41 20M Ch39948 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
				Factor	1			dBuV	dBm		
1	5029.00	-47.89	RMS	33.32	-54.57	0.45	-95.23	68.14	-25.00	-22.89	Horizontal
2	7544.00	-58.85	RMS	36.21	-51.91	0.49	-95.23	51.59	-25.00	-33.85	Horizontal
3	10059.00	-56.16	RMS	38.52	-50.92	0.34	-95.23	51.13	-25.00	-31.16	Horizontal



Site : 03CH16-HY

Condition: -25 1m SHF_00993_231124 Vertical

: LTE Band 41 20M Ch39750 1RB99 QPSK

: LTE Band 41 20M Ch39948 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
				Factor	1			dBuV	dBm		
1	5029.00	-50.78	RMS	33.20	-54.57	0.45	-95.23	65.37	-25.00	-25.78	Vertical
2	7544.00	-58.87	RMS	36.30	-51.91	0.49	-95.23	51.48	-25.00	-33.87	Vertical
3	10059.00	-56.17	RMS	38.50	-50.92	0.34	-95.23	51.14	-25.00	-31.17	Vertical

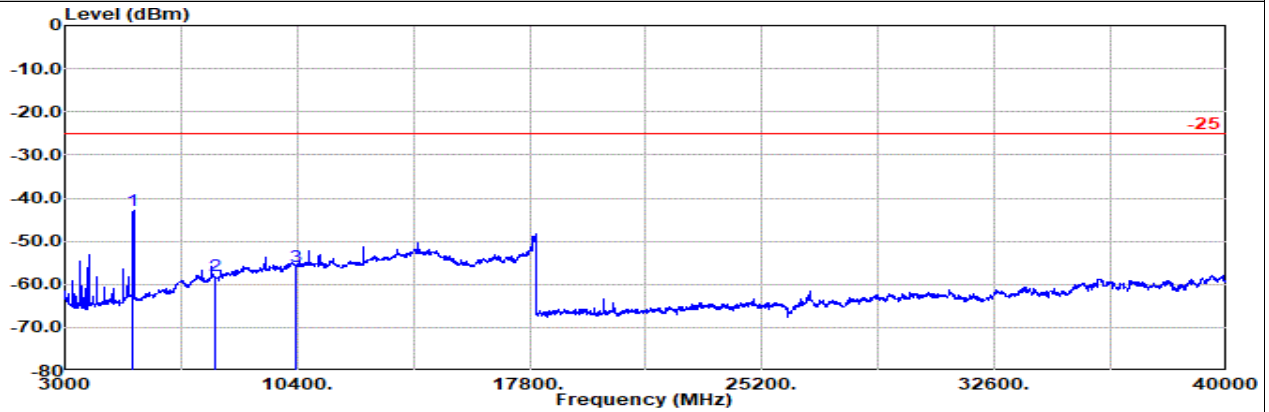


ANT2

Part 27M Mode 2

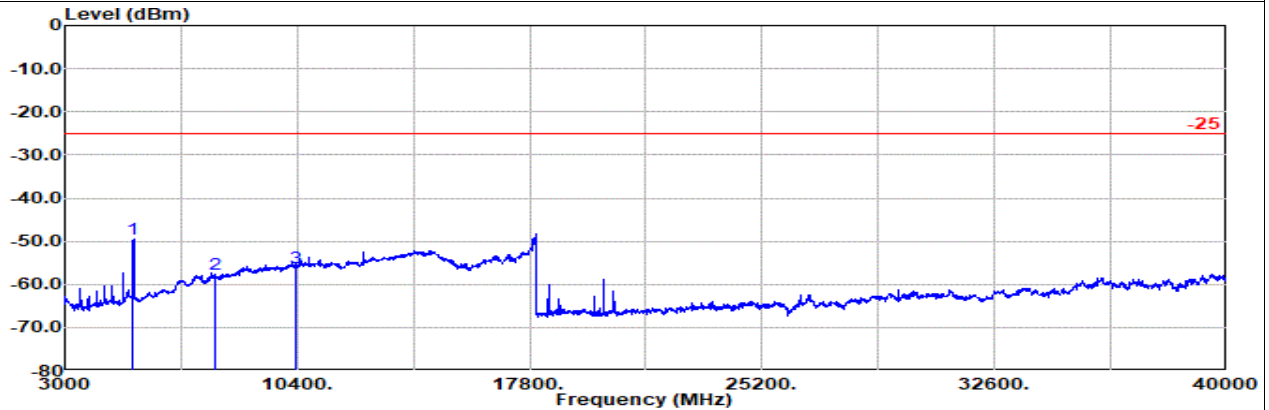
LTE CA B41C 20M + 20M Ch40521 1RB99 QPSK + Ch40719 1RB0 QPSK

M



Site : 03CH16-HY
Condition: -25 1m SHF_00993_231124 Horizontal
: LTE Band 41 20M Ch40521 1RB99 QPSK
: LTE Band 41 20M Ch40719 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin dB	Pol
				Factor	1					
1	5180.00	-42.84	RMS	33.20	-54.33	0.46	-95.23	73.06	-25.00	-17.84 Horizontal
2	7770.00	-57.95	RMS	36.68	-51.74	0.45	-95.23	51.89	-25.00	-32.95 Horizontal
3	10360.00	-55.74	RMS	38.88	-50.42	0.35	-95.23	50.68	-25.00	-30.74 Horizontal



Site : 03CH16-HY
Condition: -25 1m SHF_00993_231124 Vertical
: LTE Band 41 20M Ch40521 1RB99 QPSK
: LTE Band 41 20M Ch40719 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin dB	Pol
				Factor	1					
1	5180.00	-49.47	RMS	33.00	-54.33	0.46	-95.23	66.63	-25.00	-24.47 Vertical
2	7770.00	-57.73	RMS	36.74	-51.74	0.45	-95.23	52.05	-25.00	-32.73 Vertical
3	10360.00	-56.15	RMS	38.70	-50.42	0.35	-95.23	50.45	-25.00	-31.15 Vertical

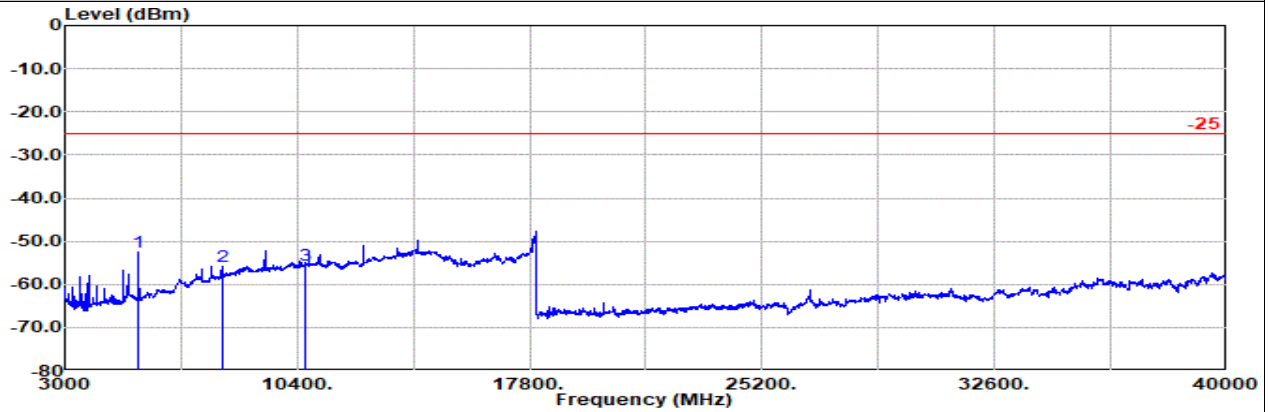


ANT2

Part 27M Mode 2

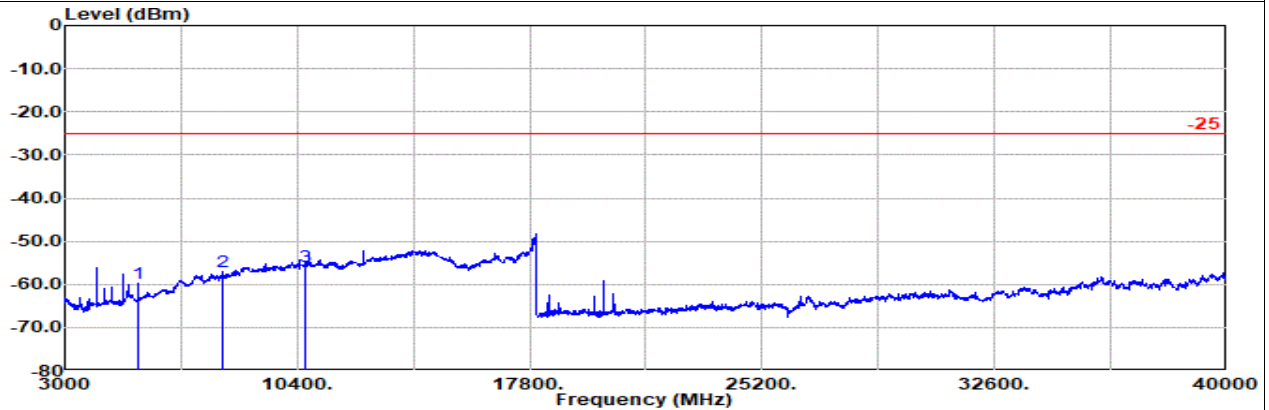
LTE CA B41C 20M + 20M Ch41292 1RB99 QPSK + Ch41490 1RB0 QPSK

H



Site : 03CH16-HY
Condition: -25 1m SHF_00993_231124 Horizontal
: LTE Band 41 20M Ch41292 1RB99 QPSK
: LTE Band 41 20M Ch41490 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin dB	Pol
				Factor	1					
1	5338.00	-52.43	RMS	33.02	-54.13	0.41 -95.23	63.50	-25.00	-27.43	Horizontal
2	8007.00	-55.96	RMS	37.20	-51.85	0.56 -95.23	53.36	-25.00	-30.96	Horizontal
3	10676.00	-55.57	RMS	39.20	-49.76	0.35 -95.23	49.87	-25.00	-30.57	Horizontal



Site : 03CH16-HY
Condition: -25 1m SHF_00993_231124 Vertical
: LTE Band 41 20M Ch41292 1RB99 QPSK
: LTE Band 41 20M Ch41490 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin dB	Pol
				Factor	1					
1	5338.00	-59.77	RMS	32.92	-54.13	0.41 -95.23	56.26	-25.00	-34.77	Vertical
2	8007.00	-57.13	RMS	37.00	-51.85	0.56 -95.23	52.39	-25.00	-32.13	Vertical
3	10676.00	-55.74	RMS	39.20	-49.76	0.35 -95.23	49.70	-25.00	-30.74	Vertical

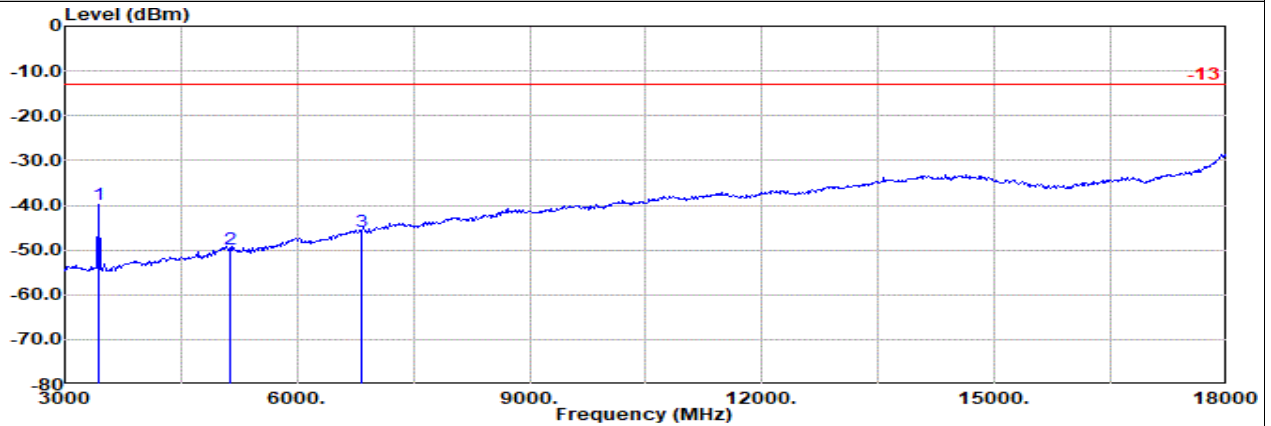


ANT2

Part 27L Mode 1

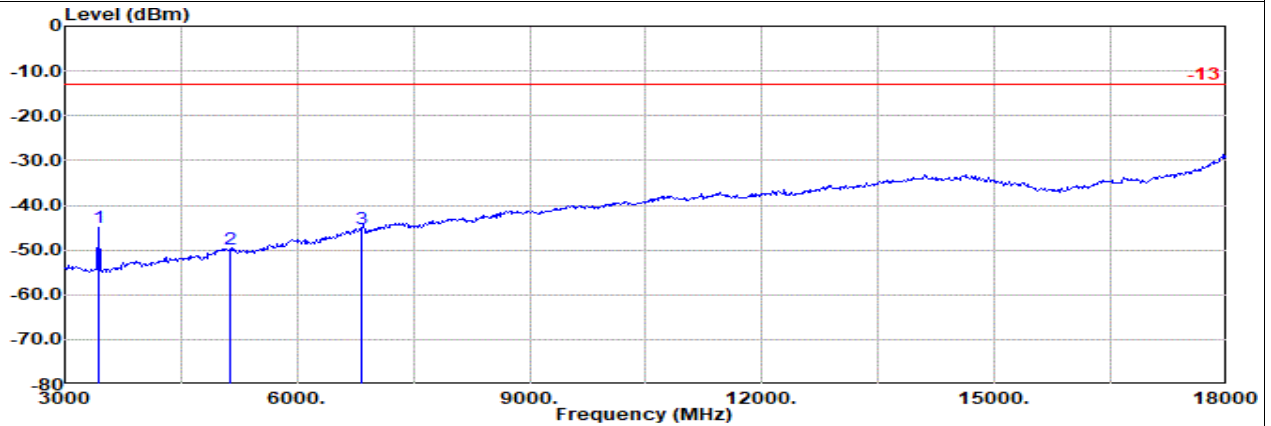
LTE B66 20M Ch132072 1RB0 QPSK

L



Site : 03CH16-HY
Condition: -13 3m 9120D-02038_231214 Horizontal
: LTE Band 66 20M Ch132072 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol
				Factor	1					
	MHz	dBm			dB/m	dB	dB	dB	dB	
1	3435.00	-39.92	RMS	29.73	-20.55	0.91	-95.23	45.22	-13.00	-26.92 Horizontal
2	5130.00	-49.86	RMS	33.20	-18.07	0.46	-95.23	29.78	-13.00	-36.86 Horizontal
3	6840.00	-45.76	RMS	35.82	-17.01	0.40	-95.23	30.26	-13.00	-32.76 Horizontal



Site : 03CH16-HY
Condition: -13 3m 9120D-02038_231214 Vertical
: LTE Band 66 20M Ch132072 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol
				Factor	1					
	MHz	dBm			dB/m	dB	dB	dB	dB	
1	3435.00	-45.03	RMS	29.53	-20.55	0.91	-95.23	40.31	-13.00	-32.03 Vertical
2	5130.00	-49.72	RMS	33.00	-18.07	0.46	-95.23	30.12	-13.00	-36.72 Vertical
3	6840.00	-45.34	RMS	35.92	-17.01	0.40	-95.23	30.58	-13.00	-32.34 Vertical

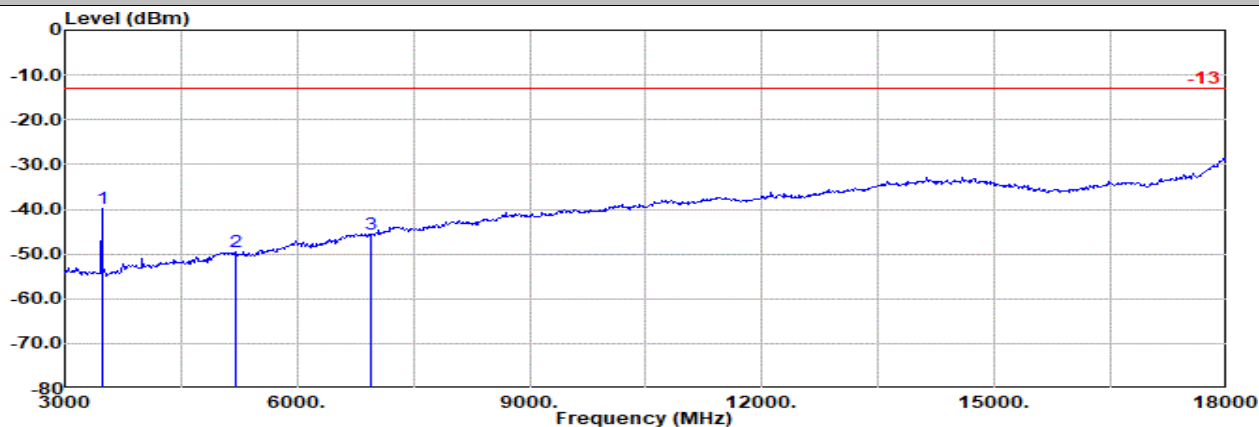


ANT2

Part 27L Mode 1

LTE B66 20M Ch132322 1RB0 QPSK

M

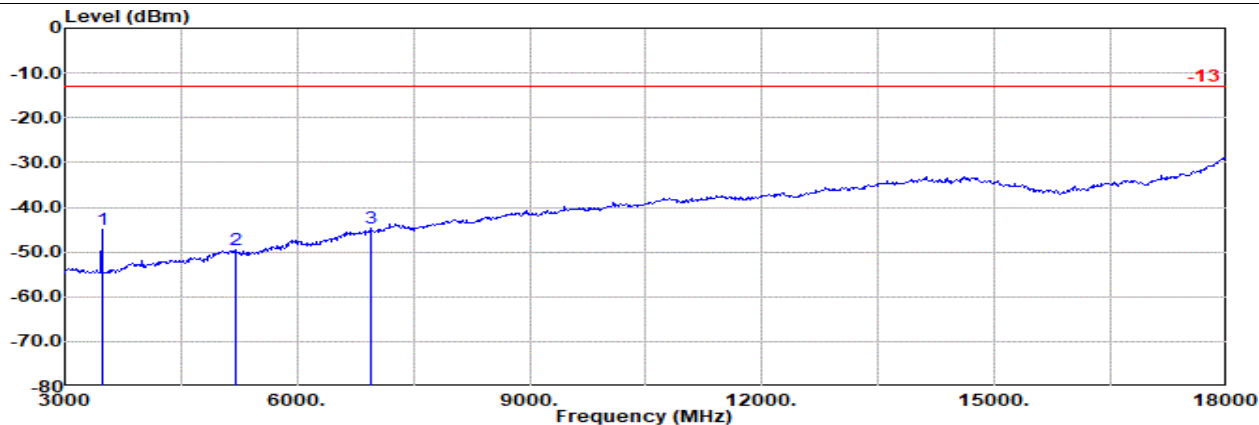


Site : 03CH16-HY

Condition: -13 3m 9120D-02038_231214 Horizontal

: LTE Band 66 20M Ch132322 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
					dB/m	dB						
	MHz	dBm				dB	dB	dB	dBuV	dBm	dB	
1	3480.00	-39.84	RMS	29.64	-20.47	0.91	-95.23	45.31	-13.00	-26.84	Horizontal	
2	5205.00	-49.60	RMS	33.19	-17.98	0.46	-95.23	29.96	-13.00	-36.60	Horizontal	
3	6945.00	-45.56	RMS	35.70	-17.10	0.38	-95.23	30.69	-13.00	-32.56	Horizontal	



Site : 03CH16-HY

Condition: -13 3m 9120D-02038_231214 Vertical

: LTE Band 66 20M Ch132322 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
					dB/m	dB						
	MHz	dBm				dB	dB	dB	dBuV	dBm	dB	
1	3480.00	-44.90	RMS	29.44	-20.47	0.91	-95.23	40.45	-13.00	-31.90	Vertical	
2	5205.00	-49.63	RMS	32.99	-17.98	0.46	-95.23	30.13	-13.00	-36.63	Vertical	
3	6945.00	-44.61	RMS	35.89	-17.10	0.38	-95.23	31.45	-13.00	-31.61	Vertical	

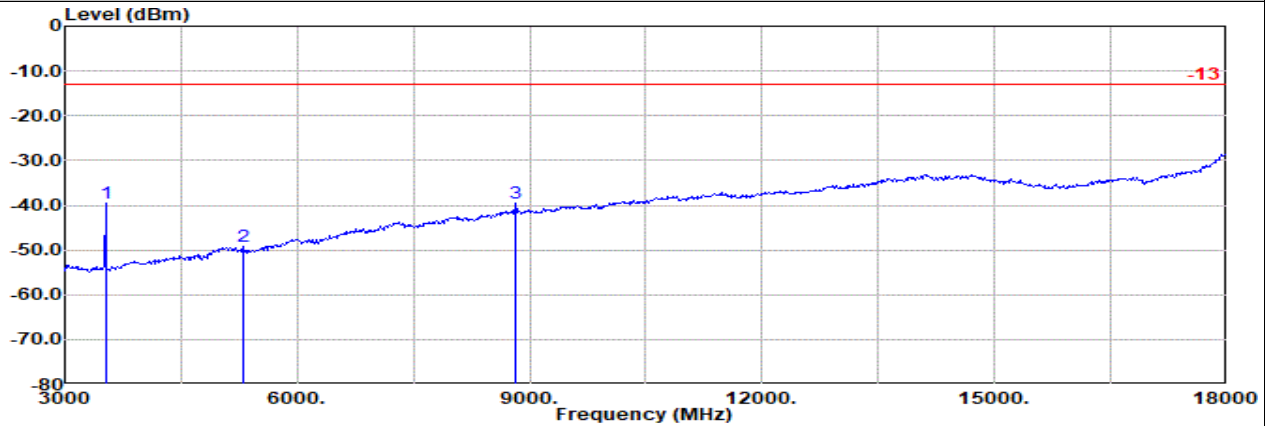


ANT2

Part 27L Mode 1

LTE B66 20M Ch132572 1RB0 QPSK

H

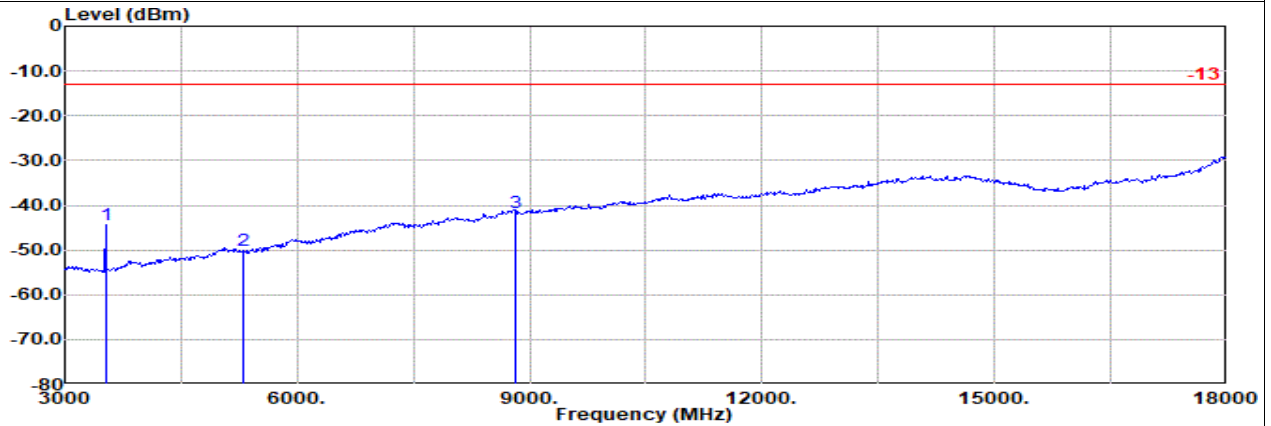


Site : 03CH16-HY

Condition: -13 3m 9120D-02038_231214 Horizontal

: LTE Band 66 20M Ch132572 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	3525.00	-39.57	RMS	29.65	-20.44	0.90	-95.23	45.55	-13.00	-26.57	Horizontal
2	5295.00	-49.10	RMS	33.10	-17.91	0.43	-95.23	30.51	-13.00	-36.10	Horizontal
3	8820.00	-39.69	RMS	37.94	-15.22	0.41	-95.23	32.41	-13.00	-26.69	Horizontal



Site : 03CH16-HY

Condition: -13 3m 9120D-02038_231214 Vertical

: LTE Band 66 20M Ch132572 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	3525.00	-44.23	RMS	29.50	-20.44	0.90	-95.23	41.04	-13.00	-31.23	Vertical
2	5295.00	-50.15	RMS	32.99	-17.91	0.43	-95.23	29.57	-13.00	-37.15	Vertical
3	8820.00	-41.52	RMS	37.84	-15.22	0.41	-95.23	30.68	-13.00	-28.52	Vertical

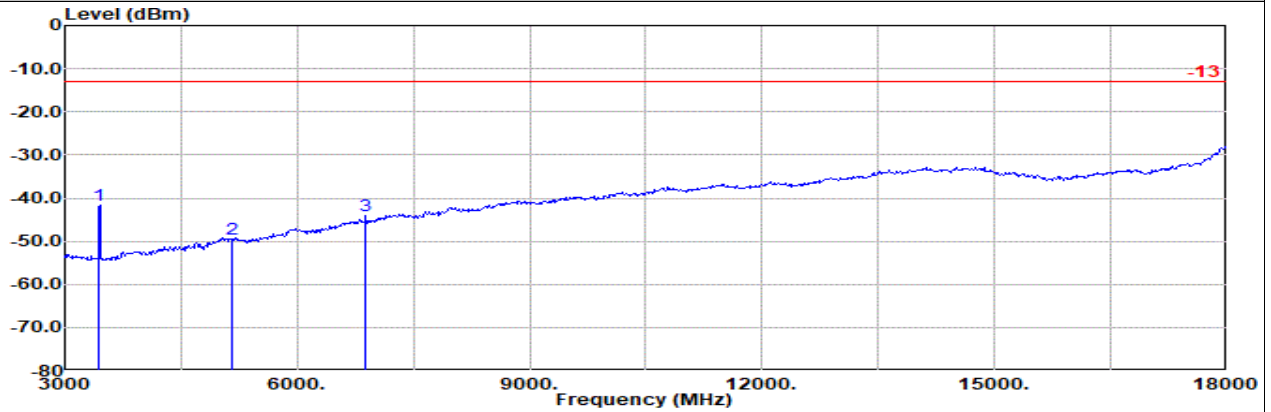


ANT2

Part 27L Mode 2

LTE CA B66B 10M + 10M Ch132022 1RB49 QPSK + Ch132121 1RB0 QPSK

L



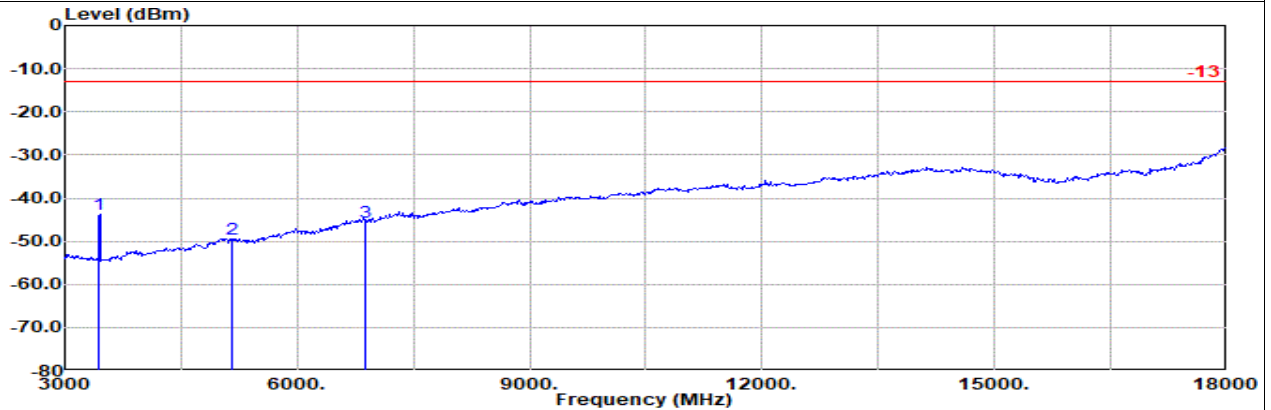
Site : 03CH16-HY

Condition: -13 3m 9120D-02038_231214 Horizontal

: LTE Band 66 10M Ch132022 1RB49 QPSK

: LTE Band 66 10M Ch132121 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1						
1	3439.00	-41.57	RMS	29.72	-20.55	0.91	-95.23	43.58	-13.00	-28.57	Horizontal
2	5158.00	-49.38	RMS	33.20	-18.04	0.46	-95.23	30.23	-13.00	-36.38	Horizontal
3	6878.00	-44.12	RMS	35.74	-17.04	0.39	-95.23	32.02	-13.00	-31.12	Horizontal



Site : 03CH16-HY

Condition: -13 3m 9120D-02038_231214 Vertical

: LTE Band 66 10M Ch132022 1RB49 QPSK

: LTE Band 66 10M Ch132121 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1						
1	3439.00	-43.90	RMS	29.52	-20.55	0.91	-95.23	41.45	-13.00	-30.90	Vertical
2	5158.00	-49.40	RMS	33.00	-18.04	0.46	-95.23	30.41	-13.00	-36.40	Vertical
3	6878.00	-45.50	RMS	35.84	-17.04	0.39	-95.23	30.54	-13.00	-32.50	Vertical

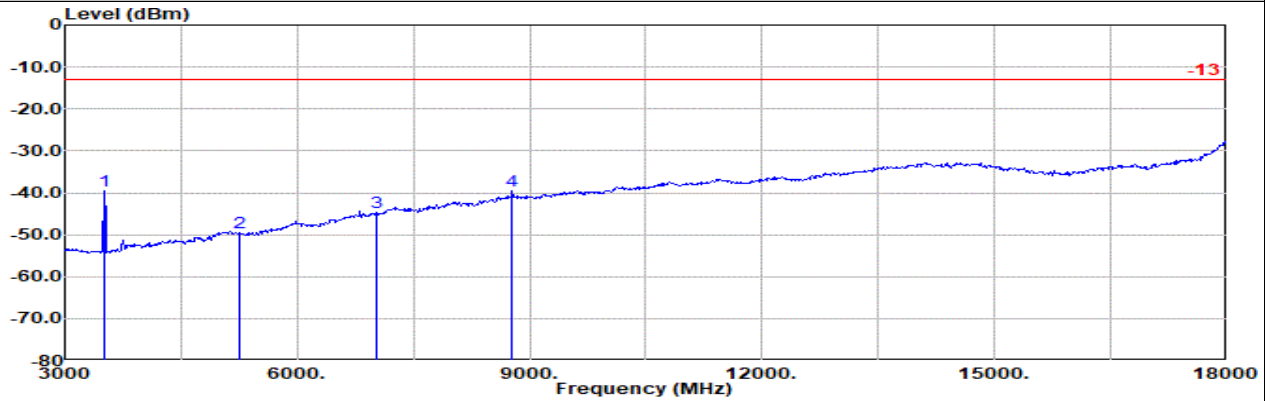


ANT2

Part 27L Mode 2

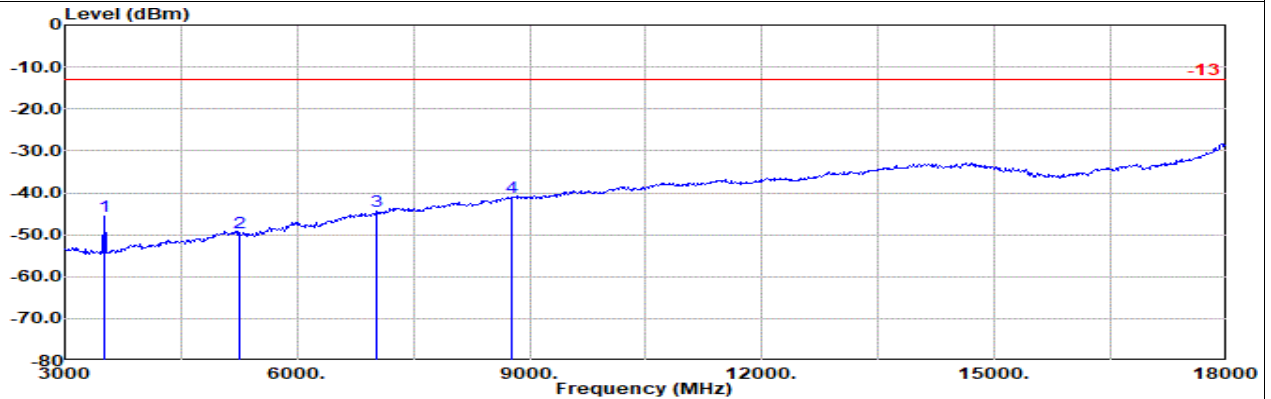
LTE CA B66B 10M + 10M Ch132373 1RB49 QPSK + Ch132472 1RB0 QPSK

M



Site : 03CH16-HY
Condition: -13 3m 9120D-02038_231214 Horizontal
: LTE Band 66 10M Ch132373 1RB49 QPSK
: LTE Band 66 10M Ch132472 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin	Limit	Margin Pol	
				Factor	1							
	MHz	dBm							dBuV	dBm	dB	
1	3509.00	-39.46	RMS	29.62	-20.44	0.90	-95.23	45.69	-13.00	-26.46	Horizontal	
2	5264.00	-49.64	RMS	33.10	-17.93	0.44	-95.23	29.98	-13.00	-36.64	Horizontal	
3	7018.00	-44.71	RMS	35.97	-17.14	0.39	-95.23	31.30	-13.00	-31.71	Horizontal	
4	8773.00	-39.49	RMS	37.90	-15.30	0.44	-95.23	32.70	-13.00	-26.49	Horizontal	



Site : 03CH16-HY
Condition: -13 3m 9120D-02038_231214 Vertical
: LTE Band 66 10M Ch132373 1RB49 QPSK
: LTE Band 66 10M Ch132472 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin	Limit	Margin Pol	
				Factor	1							
	MHz	dBm							dBuV	dBm	dB	
1	3509.00	-45.53	RMS	29.44	-20.44	0.90	-95.23	39.80	-13.00	-32.53	Vertical	
2	5264.00	-49.37	RMS	32.93	-17.93	0.44	-95.23	30.42	-13.00	-36.37	Vertical	
3	7018.00	-44.52	RMS	36.01	-17.14	0.39	-95.23	31.45	-13.00	-31.52	Vertical	
4	8773.00	-41.00	RMS	37.80	-15.30	0.44	-95.23	31.29	-13.00	-28.00	Vertical	

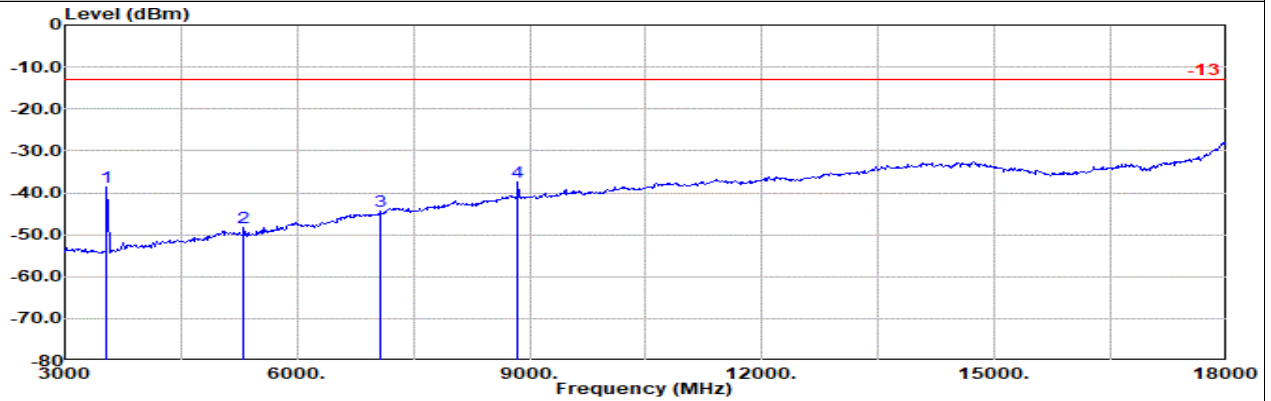


ANT2

Part 27L Mode 2

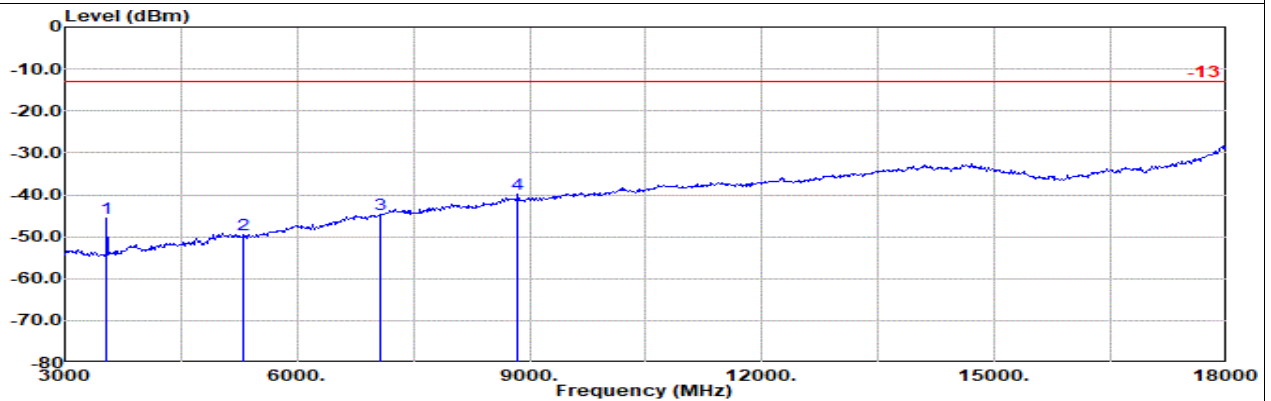
LTE CA B66B 10M + 10M Ch132523 1RB49 QPSK + Ch132622 1RB0 QPSK

H



Site : 03CH16-HY
Condition: -13 3m 9120D-02038_231214 Horizontal
: LTE Band 66 10M Ch132523 1RB49 QPSK
: LTE Band 66 10M Ch132622 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF		Readin g	Limit	Margin		Pol
					dB/m	dB		dB	dB			dB	dB	
1	3539.00	-38.52	RMS		29.68	-20.44	0.90	-95.23	46.57	-13.00	-25.52	Horizontal		
2	5309.00	-48.34	RMS		33.08	-17.90	0.42	-95.23	31.29	-13.00	-35.34	Horizontal		
3	7078.00	-44.37	RMS		36.21	-17.09	0.44	-95.23	31.30	-13.00	-31.37	Horizontal		
4	8848.00	-37.34	RMS		38.00	-15.21	0.40	-95.23	34.70	-13.00	-24.34	Horizontal		



Site : 03CH16-HY
Condition: -13 3m 9120D-02038_231214 Vertical
: LTE Band 66 10M Ch132523 1RB49 QPSK
: LTE Band 66 10M Ch132622 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF		Readin g	Limit	Margin		Pol
					dB/m	dB		dB	dB			dB	dB	
1	3539.00	-45.52	RMS		29.56	-20.44	0.90	-95.23	39.69	-13.00	-32.52	Vertical		
2	5309.00	-49.44	RMS		32.98	-17.90	0.42	-95.23	30.29	-13.00	-36.44	Vertical		
3	7078.00	-44.55	RMS		36.31	-17.09	0.44	-95.23	31.02	-13.00	-31.55	Vertical		
4	8848.00	-39.89	RMS		37.90	-15.21	0.40	-95.23	32.25	-13.00	-26.89	Vertical		

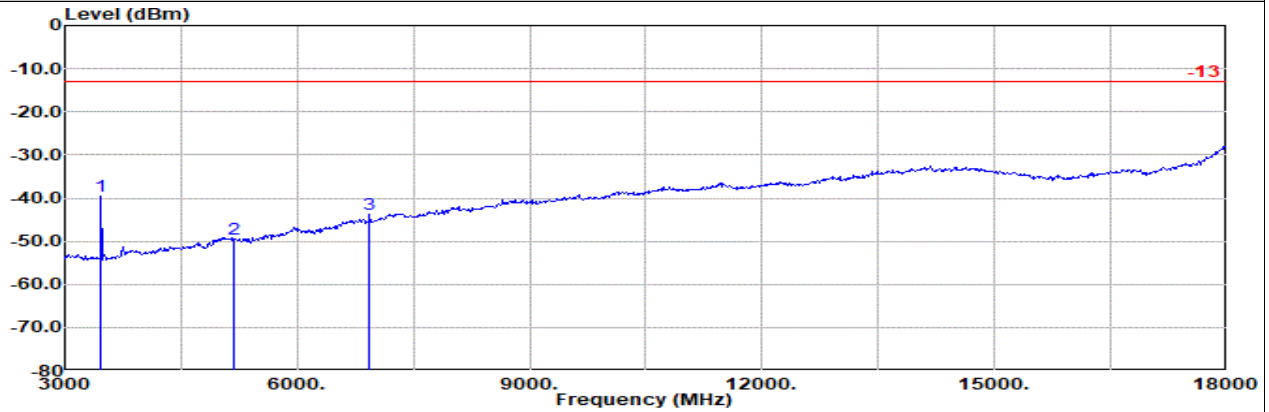


ANT2

Part 27L Mode 3

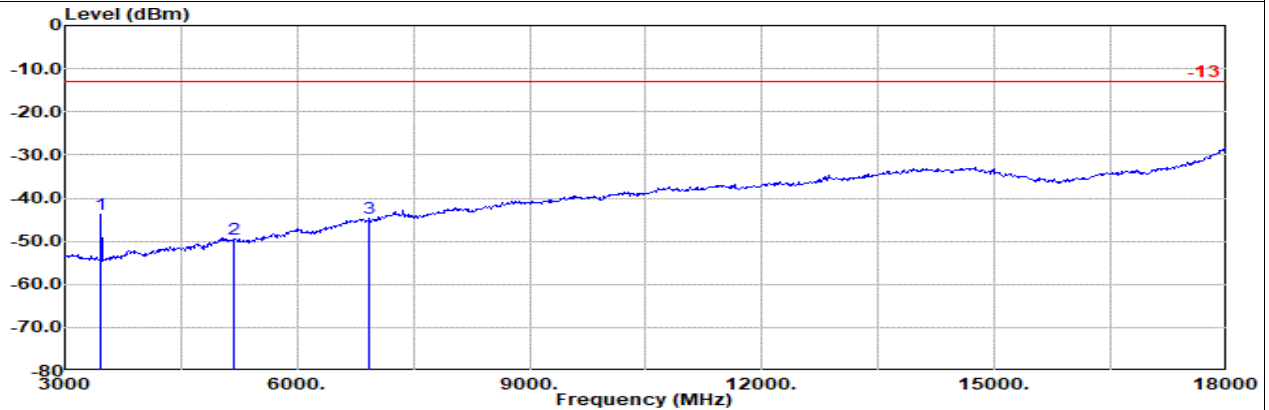
LTE CA B66C 20M + 20M Ch132072 1RB99 QPSK + Ch132270 1RB0 QPSK

L



Site : 03CH16-HY
Condition: -13 3m 9120D-02038_231214 Horizontal
: LTE Band 66 20M Ch132072 1RB99 QPSK
: LTE Band 66 20M Ch132270 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3458.00	-39.52	RMS	29.68	-20.51	0.91	-95.23	45.63	-13.00	-26.52	Horizontal
2	5187.00	-49.64	RMS	33.20	-18.00	0.46	-95.23	29.93	-13.00	-36.64	Horizontal
3	6916.00	-43.84	RMS	35.70	-17.08	0.39	-95.23	32.38	-13.00	-30.84	Horizontal



Site : 03CH16-HY
Condition: -13 3m 9120D-02038_231214 Vertical
: LTE Band 66 20M Ch132072 1RB99 QPSK
: LTE Band 66 20M Ch132270 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3458.00	-43.82	RMS	29.48	-20.51	0.91	-95.23	41.53	-13.00	-30.82	Vertical
2	5187.00	-49.38	RMS	33.00	-18.00	0.46	-95.23	30.39	-13.00	-36.38	Vertical
3	6916.00	-44.67	RMS	35.83	-17.08	0.39	-95.23	31.42	-13.00	-31.67	Vertical

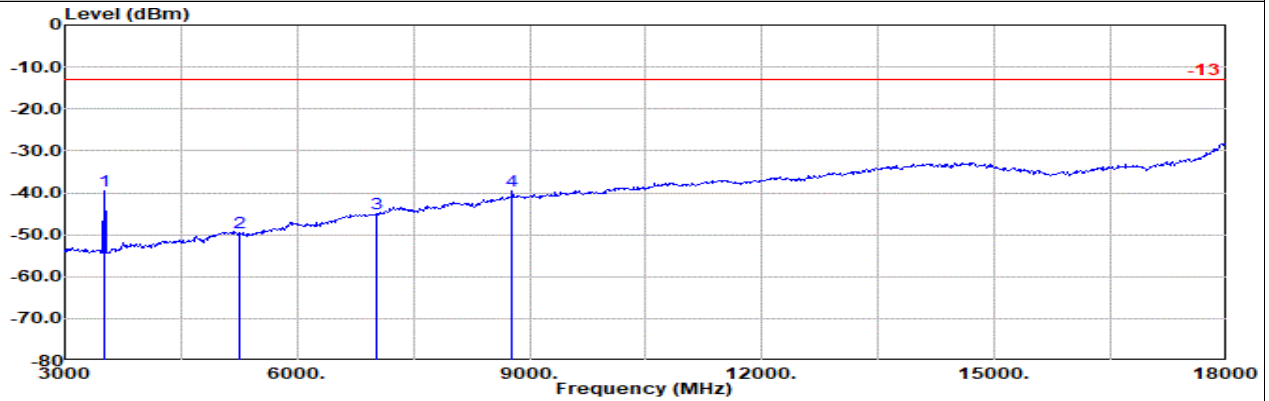


ANT2

Part 27L Mode 3

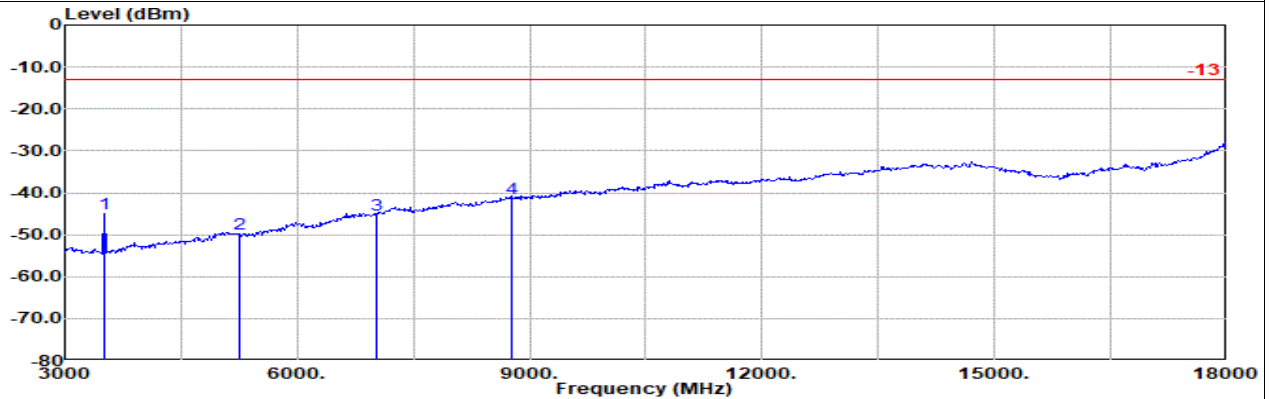
LTE CA B66C 20M + 20M Ch132323 1RB99 QPSK + Ch132521 1RB0 QPSK

M



Site : 03CH16-HY
Condition: -13 3m 9120D-02038_231214 Horizontal
: LTE Band 66 20M Ch132323 1RB99 QPSK
: LTE Band 66 20M Ch132521 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin	Limit	Margin		Pol
				Factor	1								
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB		
1	3508.00	-39.61	RMS		29.62	-20.44	0.90	-95.23	45.54	-13.00	-26.61		Horizontal
2	5262.00	-49.44	RMS		33.10	-17.94	0.44	-95.23	30.19	-13.00	-36.44		Horizontal
3	7016.00	-45.08	RMS		35.96	-17.14	0.38	-95.23	30.95	-13.00	-32.08		Horizontal
4	8770.00	-39.57	RMS		37.90	-15.31	0.44	-95.23	32.63	-13.00	-26.57		Horizontal



Site : 03CH16-HY
Condition: -13 3m 9120D-02038_231214 Vertical
: LTE Band 66 20M Ch132323 1RB99 QPSK
: LTE Band 66 20M Ch132521 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin	Limit	Margin		Pol
				Factor	1								
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB		
1	3508.00	-45.13	RMS		29.43	-20.44	0.90	-95.23	40.21	-13.00	-32.13		Vertical
2	5262.00	-49.81	RMS		32.92	-17.94	0.44	-95.23	30.00	-13.00	-36.81		Vertical
3	7016.00	-45.25	RMS		36.00	-17.14	0.38	-95.23	30.74	-13.00	-32.25		Vertical
4	8770.00	-41.29	RMS		37.80	-15.31	0.44	-95.23	31.01	-13.00	-28.29		Vertical

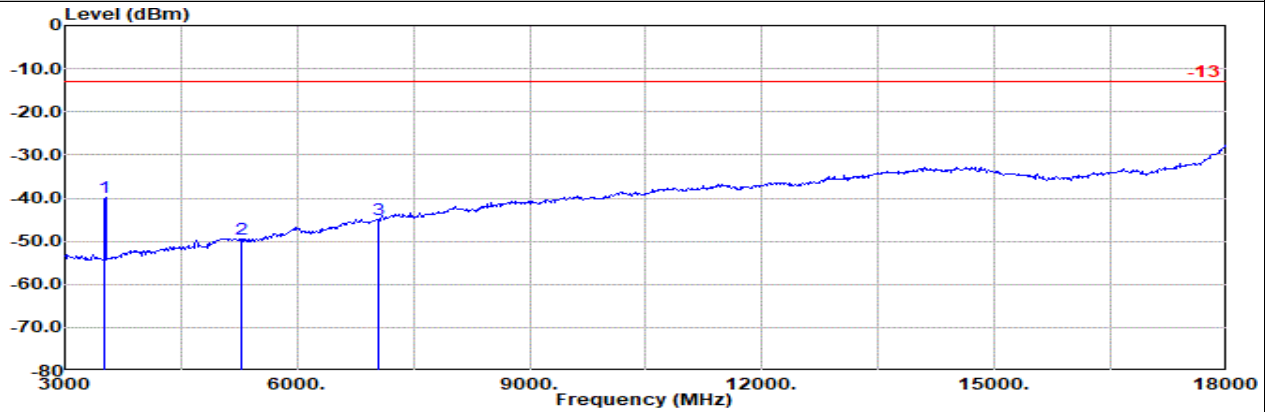


ANT2

Part 27L Mode 3

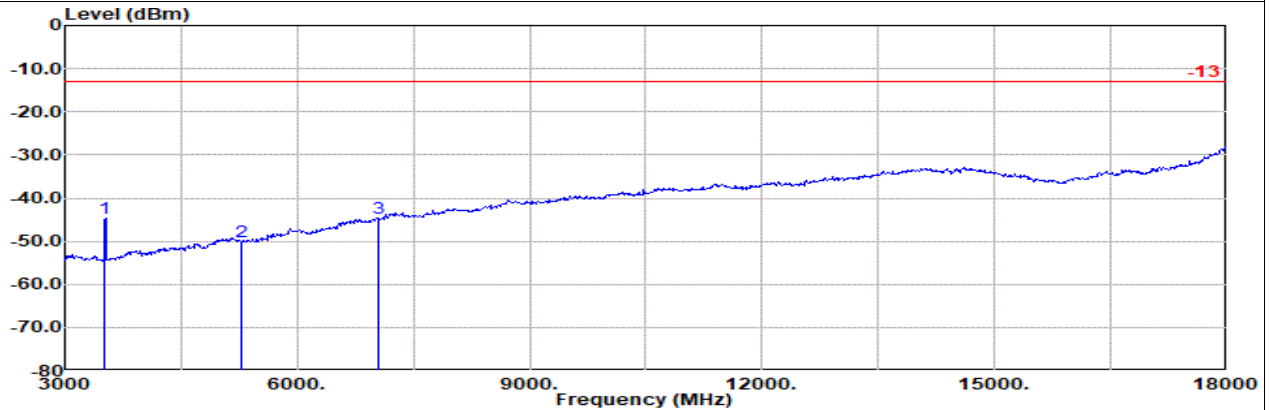
LTE CA B66A + B2A 20M + 20M Ch132374 1RB99 QPSK + Ch132572 1RB0 QPSK

H



Site : 03CH16-HY
Condition: -13 3m 9120D-02038_231214 Horizontal
: LTE Band 66 20M Ch132374 1RB99 QPSK
: LTE Band 66 20M Ch132572 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	3518.00	-39.72	RMS	29.64	-20.44	0.90	-95.23	45.41	-13.00	-26.72	Horizontal
2	5277.00	-49.62	RMS	33.10	-17.92	0.43	-95.23	30.00	-13.00	-36.62	Horizontal
3	7036.00	-44.87	RMS	36.04	-17.12	0.40	-95.23	31.04	-13.00	-31.87	Horizontal



Site : 03CH16-HY
Condition: -13 3m 9120D-02038_231214 Vertical
: LTE Band 66 20M Ch132374 1RB99 QPSK
: LTE Band 66 20M Ch132572 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	3518.00	-44.62	RMS	29.47	-20.44	0.90	-95.23	40.68	-13.00	-31.62	Vertical
2	5277.00	-50.19	RMS	32.95	-17.92	0.43	-95.23	29.58	-13.00	-37.19	Vertical
3	7036.00	-44.80	RMS	36.12	-17.12	0.40	-95.23	31.03	-13.00	-31.80	Vertical

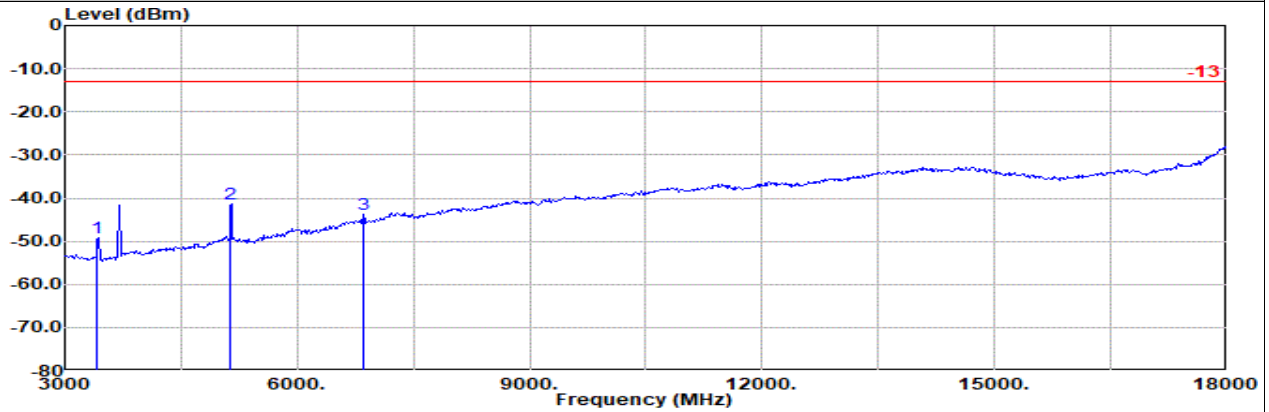


ANT2

Part 27L Mode 4

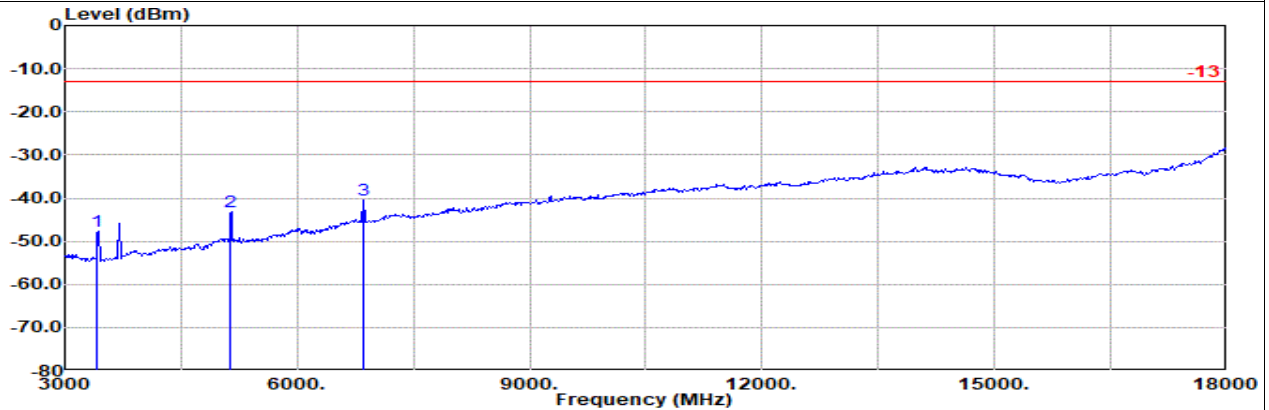
LTE CA B66A + B2A 20M + 20M Ch132072 1RB0 QPSK + Ch18700 1RB0 QPSK

L



Site : 03CH16-HY
Condition: -13 3m 9120D-02038_231214 Horizontal
: LTE Band 66 20M Ch132072 1RB0 QPSK
: LTE Band 2 20M Ch18700 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3422.00	-49.33	RMS	29.76	-20.58	0.91	-95.23	35.81	-13.00	-36.33
2	5133.00	-41.44	RMS	33.20	-18.06	0.46	-95.23	38.19	-13.00	-28.44
3	6844.00	-43.66	RMS	35.81	-17.01	0.40	-95.23	32.37	-13.00	-30.66



Site : 03CH16-HY
Condition: -13 3m 9120D-02038_231214 Vertical
: LTE Band 66 20M Ch132072 1RB0 QPSK
: LTE Band 2 20M Ch18700 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3422.00	-47.57	RMS	29.56	-20.58	0.91	-95.23	37.77	-13.00	-34.57
2	5133.00	-43.06	RMS	33.00	-18.06	0.46	-95.23	36.77	-13.00	-30.06
3	6844.00	-40.50	RMS	35.91	-17.01	0.40	-95.23	35.43	-13.00	-27.50

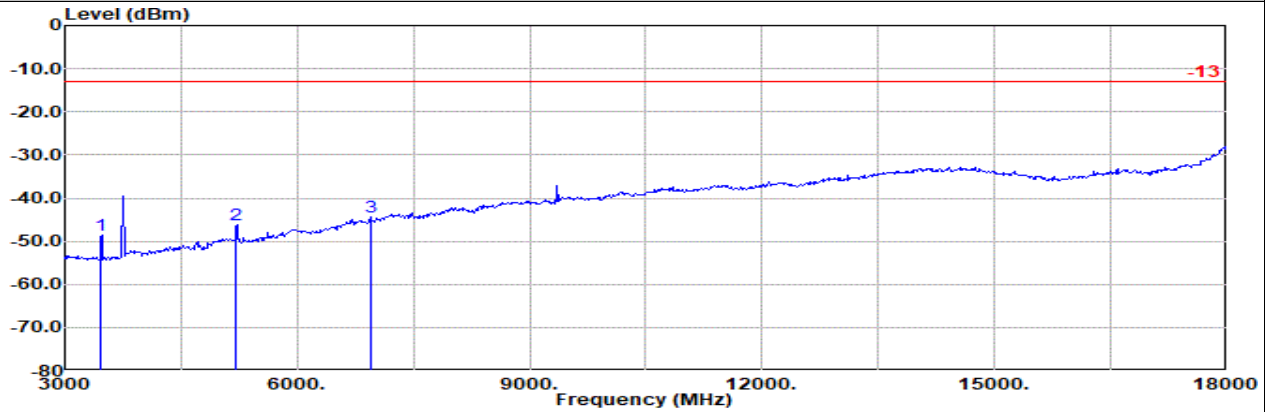


ANT2

Part 27L Mode 4

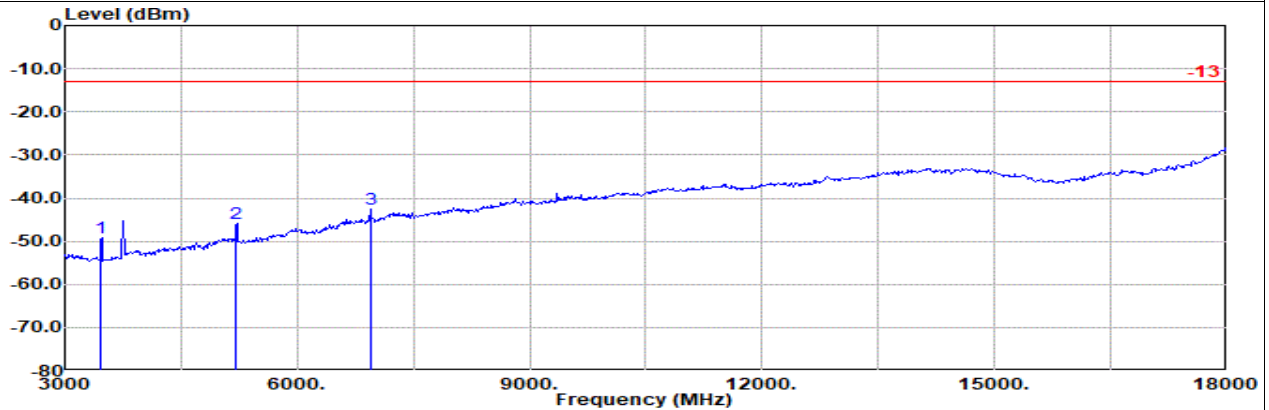
LTE CA B66A + B2A 20M + 20M Ch132322 1RB0 QPSK + Ch18900 1RB0 QPSK

M



Site : 03CH16-HY
Condition: -13 3m 9120D-02038_231214 Horizontal
: LTE Band 66 20M Ch132322 1RB0 QPSK
: LTE Band 2 20M Ch18900 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	3472.00	-48.71	RMS	29.66	-20.49	0.91	-95.23	36.44	-13.00	-35.71 Horizontal
2	5208.00	-46.19	RMS	33.18	-17.98	0.46	-95.23	33.38	-13.00	-33.19 Horizontal
3	6944.00	-44.32	RMS	35.70	-17.10	0.38	-95.23	31.93	-13.00	-31.32 Horizontal



Site : 03CH16-HY
Condition: -13 3m 9120D-02038_231214 Vertical
: LTE Band 66 20M Ch132322 1RB0 QPSK
: LTE Band 2 20M Ch18900 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	3472.00	-49.30	RMS	29.46	-20.49	0.91	-95.23	36.05	-13.00	-36.30 Vertical
2	5208.00	-45.86	RMS	32.98	-17.98	0.46	-95.23	33.91	-13.00	-32.86 Vertical
3	6944.00	-42.71	RMS	35.89	-17.10	0.38	-95.23	33.35	-13.00	-29.71 Vertical

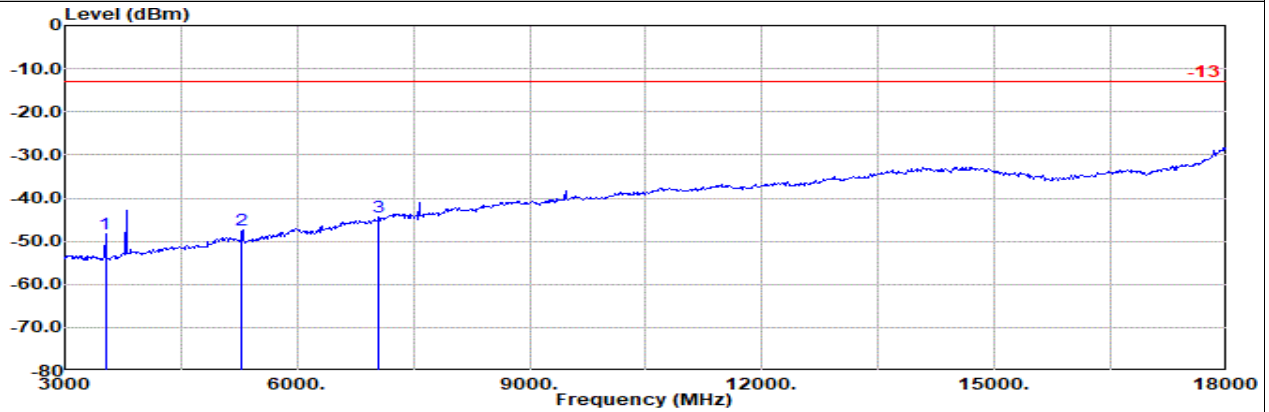


ANT2

Part 27L Mode 4

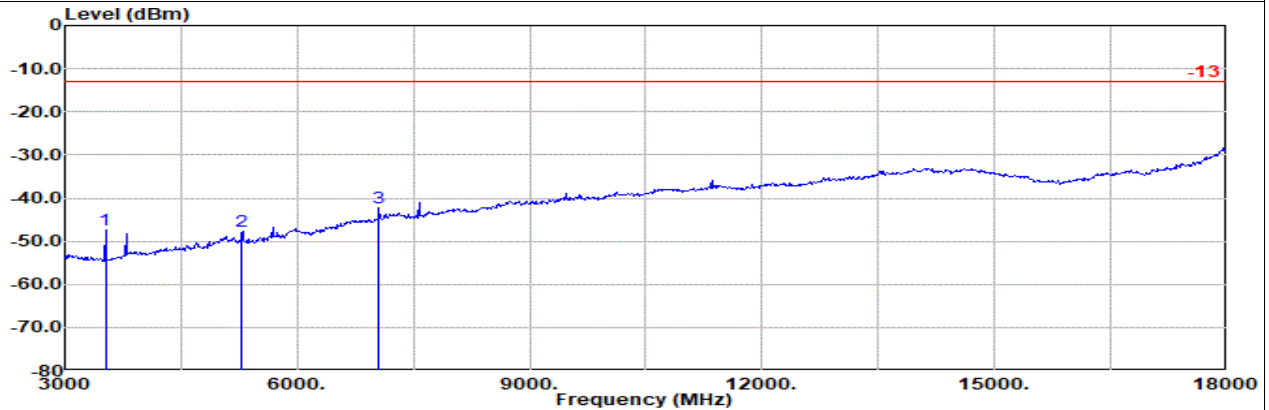
LTE CA B66A 20M + 20M Ch132572 1RB0 QPSK + Ch19100 1RB0 QPSK

H



Site : 03CH16-HY
Condition: -13 3m 9120D-02038_231214 Horizontal
: LTE Band 66 20M Ch132572 1RB0 QPSK
: LTE Band 2 20M Ch19100 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	3522.00	-48.39	RMS		29.64	-20.44	0.90	-95.23	36.74	-13.00	-35.39 Horizontal
2	5283.00	-47.51	RMS		33.10	-17.92	0.43	-95.23	32.11	-13.00	-34.51 Horizontal
3	7044.00	-44.32	RMS		36.08	-17.12	0.41	-95.23	31.54	-13.00	-31.32 Horizontal



Site : 03CH16-HY
Condition: -13 3m 9120D-02038_231214 Vertical
: LTE Band 66 20M Ch132572 1RB0 QPSK
: LTE Band 2 20M Ch19100 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	3522.00	-47.42	RMS		29.49	-20.44	0.90	-95.23	37.86	-13.00	-34.42 Vertical
2	5283.00	-47.67	RMS		32.97	-17.92	0.43	-95.23	32.08	-13.00	-34.67 Vertical
3	7044.00	-42.22	RMS		36.16	-17.12	0.41	-95.23	33.56	-13.00	-29.22 Vertical

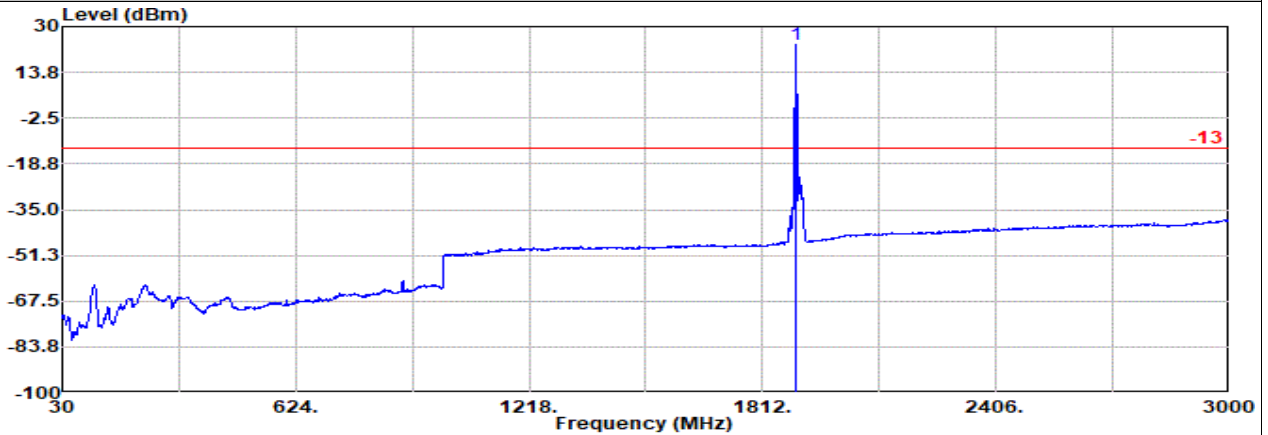


ANT2

Part 24E Mode 3

LTE B25 20M Ch26590 1RB0 QPSK

H



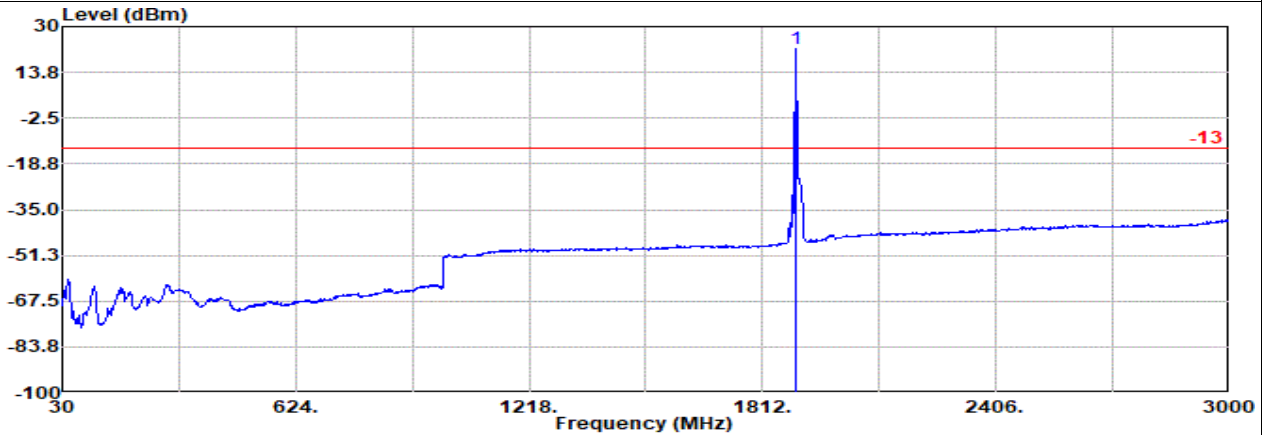
Site : 03CH16-HY

Condition: -13 3m 9120D-02038_231214 Horizontal

: LTE Band 25 20M Ch26590 1RB0 QPSK

: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	1898.00	23.57	RMS		25.88	6.84	0.00	-95.23	86.08	-13.00	36.57 Horizontal



Site : 03CH16-HY

Condition: -13 3m 9120D-02038_231214 Vertical

: LTE Band 25 20M Ch26590 1RB0 QPSK

: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	1898.00	22.12	RMS		25.46	6.84	0.00	-95.23	85.05	-13.00	35.12 Vertical

Remark: #1 is fundamental signal which can be ignored.