



FCC RADIO TEST REPORT

FCC ID : 2BEY3FCUN69M
Equipment : 5G Sub-6 GHz M.2 Module
Brand Name : NETPRISMA INC.
Model Name : FCUN69-WWD
Applicant : NETPRISMA INC.
1301 6TH AVE, SEATTLE, WA, 98101-2304, UNITED STATES
Manufacturer : Lenovo PC HK Limited
23/F, Lincoln House, Taikoo Place 979 King's Road, Quarry Bay,
Hong Kong, P.R. China
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27, Part 90(R), Part 90(S)

Equipment: NETPRISMA INC. FCUN69-WWD tested inside of Lenovo Notebook Computer.

The product was received on Aug. 21, 2024 and testing was performed from Sep. 04, 2024 to Oct. 22, 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 partial report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	7
1.1 Product Feature of Equipment Under Test.....	7
1.2 Product Specification of Equipment Under Test.....	10
1.3 Modification of EUT	13
1.4 Testing Location	13
1.5 Applicable Standards.....	13
2 Test Configuration of Equipment Under Test	14
2.1 Test Mode.....	14
2.2 Connection Diagram of Test System.....	15
2.3 Support Unit used in test configuration and system	15
2.4 Frequency List of Low/Middle/High Channels	16
3 Conducted Test Items.....	35
3.1 Measuring Instruments	35
3.2 Conducted Output Power and ERP/EIRP	36
4 Radiated Test Items	37
4.1 Measuring Instruments	37
4.2 Radiated Spurious Emission Measurement	39
5 List of Measuring Equipment.....	41
6 Measurement Uncertainty	43
Appendix A. Test Results of Conducted Test	
Appendix B. Test Results of Radiated Test	
Appendix C. Test Setup Photographs	



History of this test report

Report No.	Version	Description	Issue Date
FG482037B	01	Initial issue of report	Nov. 18, 2024
FG482037B	02	Revise antenna information, Product Specification of Equipment Under Test and appendix A. This report is an updated version, replacing the report issued on Nov. 18, 2024.	Nov. 27, 2024
FG482037B	03	Revise Product Specification of Equipment Under Test. This report is an updated version, replacing the report issued on Nov. 27, 2024.	Dec. 03, 2024

Summary of Test Result

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



Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (g) §27.53 (h) §90.691	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71)	Pass	See Note
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (Band 7) (Band 38) (Band 41)		
	§2.1051 §27.53 (a)(4)	Conducted Spurious Emission (Band 30)		
	§2.1051 §90.543 (e)(3)	Conducted Spurious Emission (Band 14)		
	§2.1051 §27.53 (n)(2)	Conducted Spurious Emission (Band 42)		
	§2.1051 §27.53 (l)(2)	Conducted Spurious Emission (Band 43)		
-	§2.1055 §22.355 §24.235 §27.54 §90.539 (e) §90.213	Frequency Stability Temperature & Voltage	Pass	See Note
4.2	§2.1053 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (f) §27.53 (g) §27.53 (h) §90.691	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71)	Pass	16.03 dB under the limit at 1576.00 MHz
	§2.1053 §27.53 (m)(4)	Radiated Spurious Emission (Band 7) (Band 38) (Band 41)		
	§2.1053 §27.53 (a)(4)	Radiated Spurious Emission (Band 30)		
	§2.1053 §90.543 (e)(3) §90.543 (f)	Radiated Spurious Emission (Band 14)		
	§2.1053 §27.53 (n)(2)	Radiated Spurious Emission (Band 42)		
	§2.1051 §27.53 (l)(2)	Radiated Spurious Emission (Band 43)		
Note: 1. For host device, Field Strength of Spurious Radiation, Effective Radiated Power and Equivalent Isotropic Radiated Power are verified and complies with the limit in this test report. 2. For host device, the Conducted Output Power is no difference after compared to module (Model: FCUN69-WWD)				

**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: Sheng Kuo

Report Producer: Ming Chen



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	5G Sub-6 GHz M.2 Module
Brand Name	NETPRISMA INC.
Model Name	FCUN69-WWD
FCC ID	2BEY3FCUN69M
Sample 1	EUT with Host 1
Sample 2	EUT with Host 2
EUT supports Radios application	WCDMA/HSPA/LTE/5G NR/GNSS
EUT Stage	Production Unit

Remark:

1. The above EUT's information was declared by manufacturer.
2. Equipment: NETPRISMA INC. FCUN69-WWD tested inside of Lenovo Notebook Computer.

Support band and evaluated information	
Supported band	B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B30, B38, B41, B66, B71, B42, B43
Evaluated and Tested band	B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B30, B38, B41, B66, B71, B42, B43
Band covered information	Wider operating frequency band range covers narrower one when the power is worse as follows: ■ B41 cover B38 (Part 27) ■ B66 cover B4 (Part 27) ■ B12 cover B17 (Part 27)
Main Antenna	B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B30, B38, B41, B66, B71
MIMO2 Antenna	B42, B43, B2, B4, B7, B25, B30, B38, B41, B66

TDD band Power Class		
	PC3	PC2
B38	V	-
B41	V	V
B42	V	-
B43	V	-

The product was installed into Notebook Computer (Brand Name: Lenovo, Model Name: TP00151B) during test, and the host information was recorded in the following table.

Host Information	
Host 1	Host with Amphenol Antenna
Host 2	Host with Speed Taiwan Corporation Antenna

WWAN Antenna Information for Host				
Main Antenna	Manufacturer	Amphenol	Peak gain (dBi)	LTE Band 2 : 0.79 LTE Band 4 : 1.04 LTE Band 5 : -0.35 LTE Band 7 : 1.77 LTE Band 12 : -1.19 LTE Band 13 : -0.22 LTE Band 14 : -0.05 LTE Band 17 : -1.19 LTE Band 25 : 0.65 LTE Band 26 : -0.01 LTE Band 30 : 0.97 LTE Band 38 : 2.00 LTE Band 41 : 1.83 LTE Band 42 : 1.00 LTE Band 66 : 1.15 LTE Band 71 : -1.39
	Part number	TKF113-16-000-R	Type	PIFA
	Manufacturer	Speed Taiwan Corporation	Peak gain (dBi)	LTE Band 2 : 0.83 LTE Band 4 : 1.16 LTE Band 5 : -0.43 LTE Band 7 : 1.75 LTE Band 12 : -1.19 LTE Band 13 : -0.13 LTE Band 14 : 0 LTE Band 17 : -1.13 LTE Band 25 : 0.61 LTE Band 26 : -0.11 LTE Band 30 : 0.96 LTE Band 38 : 1.93 LTE Band 41 : 1.78 LTE Band 42 : 0.96 LTE Band 66 : 1.28 LTE Band 71 : -1.38
	Part number	F-0G-JV-0228-001-00	Type	PIFA

WWAN Antenna Information for Host				
MIMO2 Antenna	Manufacturer	Amphenol	Peak gain (dBi)	LTE Band 2 : 1.95 LTE Band 4 : 1.88 LTE Band 7 : 1.52 LTE Band 25 : 1.94 LTE Band 30 : 0.91 LTE Band 38 : 1.52 LTE Band 41 : 0.62 LTE Band 42 : -0.42 LTE Band 43 : -0.49 LTE Band 66 : 1.88
	Part number	TKF114-16-000-R	Type	PIFA
	Manufacturer	Speed Taiwan Corporation	Peak gain (dBi)	LTE Band 2 : 1.99 LTE Band 4 : 1.75 LTE Band 7 : 1.44 LTE Band 25 : 1.88 LTE Band 30 : 0.83 LTE Band 38 : 1.64 LTE Band 41 : 0.71 LTE Band 42 : -0.31 LTE Band 43 : -0.44 LTE Band 66 : 1.75
	Part number	F-0G-JV-0228-002-00	Type	PIFA

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



1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx Frequency	LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7: 2500 MHz ~ 2570 MHz LTE Band 12: 699 MHz ~ 716MHz LTE Band 13: 777 MHz ~ 787 MHz LTE Band 14: 788 MHz ~ 798 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 25: 1850MHz ~ 1915 MHz LTE Band 26 (Part22H): 824 MHz ~ 849 MHz LTE Band 26 (Part90S): 814 MHz ~ 824 MHz LTE Band 30: 2305 MHz ~ 2315 MHz LTE Band 38: 2570 MHz ~ 2620MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 42: 3400 MHz ~ 3600 MHz LTE Band 43: 3600 MHz ~ 3800 MHz LTE Band 66: 1710 MHz ~ 1780 MHz LTE Band 71: 663 MHz ~ 698 MHz
Rx Frequency	LTE Band 2: 1930 MHz ~ 1990 MHz LTE Band 4: 2110 MHz ~ 2155 MHz LTE Band 5: 869 MHz ~ 894 MHz LTE Band 7: 2620 MHz ~ 2690 MHz LTE Band 12: 729 MHz ~ 746MHz LTE Band 13: 746 MHz ~ 756 MHz LTE Band 14: 758 MHz ~ 786 MHz LTE Band 17: 734 MHz ~ 746 MHz LTE Band 25: 1930MHz ~ 1995 MHz LTE Band 26 (Part22H): 869 MHz ~ 894 MHz LTE Band 26 (Part90S): 859 MHz ~ 869 MHz LTE Band 30: 2350 MHz ~ 2360 MHz LTE Band 38: 2570 MHz ~ 2620MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 42: 3400 MHz ~ 3600 MHz LTE Band 43: 3600 MHz ~ 3800 MHz LTE Band 66: 2110 MHz ~ 2200 MHz LTE Band 71: 617 MHz ~ 652 MHz



Product Specification is subject to this standard	
Bandwidth	LTE Band 2: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 5: 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 7: 5MHz / 10MHz / 15MHz / 20MHz LTE Band 12: 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13: 5MHz / 10MHz LTE Band 14: 5MHz / 10MHz LTE Band 17 : 5MHz / 10MHz LTE Band 25: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 26: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz LTE Band 30 : 5MHz / 10MHz LTE Band 38: 5MHz / 10MHz / 15MHz / 20MHz LTE Band 41: 5MHz / 10MHz / 15MHz / 20MHz LTE Band 42: 5MHz / 10MHz / 15MHz / 20MHz LTE Band 43: 5MHz / 10MHz / 15MHz / 20MHz LTE Band 66: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 71: 5MHz / 10MHz / 15MHz / 20MHz

Product Specification is subject to this standard	
Maximum Output Power to Antenna	<Main Antenna>: LTE Band 2 : 23.66 dBm LTE Band 2C : 24.26 dBm LTE Band 4 : 23.49 dBm LTE Band 5 : 23.86 dBm LTE Band 5B : 24.51 dBm LTE Band 7 : 23.67 dBm LTE Band 7C : 24.19 dBm LTE Band 12 : 23.97 dBm LTE Band 13 : 23.71 dBm LTE Band 14 : 23.79 dBm LTE Band 17 : 23.94 dBm LTE Band 25 : 23.65 dBm LTE Band 26 : 23.61 dBm for Part22H LTE Band 26 : 23.49 dBm for Part90S LTE Band 26 : 23.48 dBm for Straddle LTE Band 30 : 21.62 dBm LTE Band 38 : 23.62 dBm LTE Band 38C : 23.73 dBm LTE Band 41 : 25.67 dBm for HPUE LTE Band 41C : 25.90 dBm for HPUE LTE Band 66 : 23.50 dBm LTE Band 66B : 24.09 dBm LTE Band 66C : 23.97 dBm LTE Band 71 : 24.17 dBm <MIMO2 Antenna>: LTE Band 2 : 23.05 dBm LTE Band 4 : 23.16 dBm LTE Band 7 : 22.70 dBm LTE Band 25 : 22.70 dBm LTE Band 30 : 21.78 dBm LTE Band 38 : 22.91 dBm LTE Band 41 : 22.76 dBm LTE Band 42 : 21.01 dBm LTE Band 42C : 21.55 dBm LTE Band 43 : 20.81 dBm LTE Band 43C : 21.62 dBm LTE Band 66 : 23.00 dBm
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM



1.3 Modification of EUT

No modifications made to the EUT during the testing.

1.4 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333
Test Site No.	Sporton Site No.
	TH03-HY
Test Engineer	Uchun Liu
Temperature (°C)	22.3~23.7
Relative Humidity (%)	50.3~55.4

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010
Test Site No.	Sporton Site No.
	03CH12-HY (TAF Code: 3786)
Test Engineer	Ken Kuo, Tim Lee and Wilson Wu
Temperature (°C)	20~25
Relative Humidity (%)	50~60
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

1.5 Applicable Standards

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

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

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. 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 Tablet Type (three orthogonal axis (X: flat, Y: portrait, Z: landscape)) and Notebook Type, and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and only the worst case emissions were reported in this report..

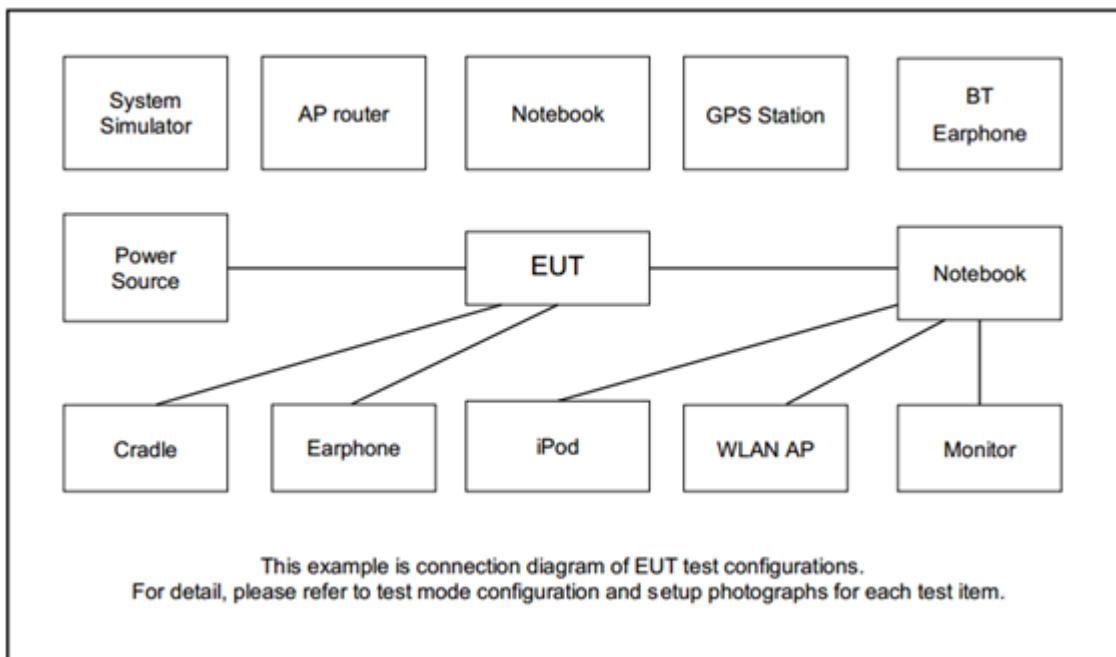
Modulation Type	Modulation
A	QPSK
B	16QAM
C	64QAM
D	256QAM

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B	All	1, Half, Full	L, M, H
EIRP	A, B	All	1, Half, Full	L, M, H
RSE	A	20 MHz or less	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. For modulation of QPSK & 16QAM, the maximum power of QPSK & 16QAM is higher than other modulation(64QAM/256QAM), therefore, according to engineering evaluation , we choose higher power (QPSK & 16QAM) to perform tests and show in the report.
4. During the RSE preliminary test, the standalone mode and charging modes were verified. It is determined that the charging modes is the worst case for the official test.

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.	5G Wireless Test Platform	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m
2.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
3.	iPod Earphone	Apple	N/A	Verification	Shielded, 1.2 m	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 7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20850	21100	21350
	Frequency	2510	2535	2560
15	Channel	20825	21100	21375
	Frequency	2507.5	2535	2562.5
10	Channel	20800	21100	21400
	Frequency	2505	2535	2565
5	Channel	20775	21100	21425
	Frequency	2502.5	2535	2567.5

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



LTE Band 13 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23230	-
	Frequency	-	782	-
5	Channel	23205	23230	23255
	Frequency	779.5	782	784.5
LTE Band 14 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23330	-
	Frequency	-	793	-
5	Channel	23305	23330	23355
	Frequency	790.5	793	795.5
LTE Band 17 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23780	23790	23800
	Frequency	709	710	711
5	Channel	23755	23790	23825
	Frequency	706.5	710	713.5



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



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

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

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



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

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

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



LTE Band 42 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	42190	42590	42990
	Frequency	3460	3500	3540
15	Channel	42165	42590	43015
	Frequency	3457.5	3500	3542.5
10	Channel	42140	42590	43040
	Frequency	3455	3500	3545
5	Channel	42115	42590	43065
	Frequency	3452.5	3500	3547.5

LTE Band 43 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	44690	45090	45490
	Frequency	3710	3750	3790
15	Channel	44665	45090	45515
	Frequency	3707.5	3750	3792.5
10	Channel	44640	45090	45540
	Frequency	3705	3750	3795
5	Channel	44615	45090	45565
	Frequency	3702.5	2750	3797.5

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



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



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 5B Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
3 + 5	PCC	Channel	20416	20501	20586
		Frequency	825.6	834.1	842.6
	SCC	Channel	20455	20540	20575
		Frequency	829.5	838.0	841.5
5 + 3	PCC	Channel	20425	20510	20595
		Frequency	826.5	835.0	843.5
	SCC	Channel	20464	20549	20634
		Frequency	830.4	838.9	847.4
5 + 10	PCC	Channel	20428	20478	20528
		Frequency	826.8	831.8	836.8
	SCC	Channel	20500	20550	20600
		Frequency	834.0	839.0	844.0
10 + 5	PCC	Channel	20450	20500	20550
		Frequency	829.0	834.0	839.0
	SCC	Channel	20522	20572	20622
		Frequency	836.2	841.2	846.2
10 + 10	PCC	Channel	20450	20476	20501
		Frequency	829.0	831.6	834.1
	SCC	Channel	20549	20575	20600
		Frequency	838.9	841.5	844.0



LTE Band 7C Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	20850	21001	21152
		Frequency	2510.0	2525.1	2540.2
	SCC	Channel	21048	21199	21350
		Frequency	2529.8	2544.9	2560.0
20 + 15	PCC	Channel	20850	21026	21201
		Frequency	2510.0	2527.6	2545.1
	SCC	Channel	21021	21197	21372
		Frequency	2527.1	2544.7	2562.2
15 + 20	PCC	Channel	20828	21003	21179
		Frequency	2507.8	2525.3	2542.9
	SCC	Channel	20999	21174	21350
		Frequency	2524.9	2542.4	2560.0
20 + 10	PCC	Channel	20850	21051	21251
		Frequency	2510.0	2530.1	2550.1
	SCC	Channel	20994	21195	21395
		Frequency	2524.4	2544.5	2564.5
10 + 20	PCC	Channel	20805	21006	21206
		Frequency	2505.5	2525.6	2545.6
	SCC	Channel	20949	21150	21350
		Frequency	2519.9	2540.0	2560.0
15 + 15	PCC	Channel	20825	21025	21225
		Frequency	2507.5	2527.5	2547.5
	SCC	Channel	20975	21175	21375
		Frequency	2522.5	2542.5	2562.5
15 + 10	PCC	Channel	20825	21051	21277
		Frequency	2507.5	2530.1	2552.7
	SCC	Channel	20945	21171	21397
		Frequency	2519.5	2542.1	2564.7



LTE Band 38C Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	37850	37901	37952
		Frequency	2580.0	2585.1	2590.2
	SCC	Channel	38048	38099	38150
		Frequency	2599.8	2604.9	2610.0
15+ 15	PCC	Channel	37825	37925	38025
		Frequency	2577.5	2587.5	2597.5
	SCC	Channel	37975	38075	38175
		Frequency	2592.5	2602.5	2612.5

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					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
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



LTE Band 42C Channel and Frequency List_CA					
BW [MHz]	Channel / Frequency (MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	42190	42741	43292
		Frequency	3460	3515.1	3570.2
	SCC	Channel	42388	42939	43490
		Frequency	3479.8	3534.9	3590.0
20 + 15	PCC	Channel	42190	42766	43344
		Frequency	3460	3517.6	3575.4
	SCC	Channel	42361	42937	43515
		Frequency	3477.1	3534.7	3592.5
15 + 20	PCC	Channel	42165	42743	43319
		Frequency	3457.5	3515.3	3572.9
	SCC	Channel	42336	42914	43490
		Frequency	3474.6	3532.4	3590.0
20 + 10	PCC	Channel	42190	42791	43396
		Frequency	3460.0	3520.1	3580.6
	SCC	Channel	42334	42935	43540
		Frequency	3474.4	3534.5	3595.0
10 + 20	PCC	Channel	42140	42746	43346
		Frequency	3455.0	3515.6	3575.6
	SCC	Channel	42284	42890	43490
		Frequency	3469.4	3530.0	3590
20 + 5	PCC	Channel	42190	42815	43448
		Frequency	3460.0	3522.5	3585.8
	SCC	Channel	42307	42932	43565
		Frequency	3471.7	3534.2	3597.5
5 + 20	PCC	Channel	42115	42748	43373
		Frequency	3452.5	3515.8	3578.3
	SCC	Channel	42232	42865	43490
		Frequency	3464.2	3527.5	3590.0



LTE Band 43C Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	43690	44491	45291
		Frequency	3610.0	3690.2	3770.2
	SCC	Channel	43888	44689	45489
		Frequency	3629.8	3710.0	3790
20 + 15	PCC	Channel	43690	44517	45343
		Frequency	3610.0	3692.8	3775.4
	SCC	Channel	43861	44688	45514
		Frequency	3627.1	3709.9	3792.5
15 + 20	PCC	Channel	43665	3690.3	3772.9
		Frequency	3607.5	44492	45318
	SCC	Channel	43836	3707.4	3790
		Frequency	3624.6	44663	45489
20 + 10	PCC	Channel	43690	44543	45395
		Frequency	3610.0	3695.4	3780.6
	SCC	Channel	43834	44687	45539
		Frequency	3624.4	3709.8	3795
10 + 20	PCC	Channel	43640	44493	45345
		Frequency	3605.0	3690.4	3775.6
	SCC	Channel	43784	44637	45489
		Frequency	3619.4	3704.8	3790
20 + 5	PCC	Channel	43690	44569	45447
		Frequency	3610.0	3698.0	3785.8
	SCC	Channel	43807	44686	45564
		Frequency	3621.7	3709.7	3797.5
5 + 20	PCC	Channel	43615	44494	45372
		Frequency	3602.5	3690.5	3778.3
	SCC	Channel	43732	44611	45489
		Frequency	3614.2	3702.2	3790



LTE Band 43C Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
15 + 10	PCC	Channel	44668	45041	45414
		Frequency	3707.8	3745.1	3782.4
	SCC	Channel	44788	45161	45534
		Frequency	3719.8	3757.1	3794.4
15 + 15	PCC	Channel	44668	45015	45361
		Frequency	3707.8	3742.45	3777.1
	SCC	Channel	44818	45165	45511
		Frequency	3722.8	3757.45	3792.1
10 + 15	PCC	Channel	44645	45018	45391
		Frequency	3705.5	3742.8	3780.1
	SCC	Channel	44765	45138	45511
		Frequency	3717.5	3754.8	3792.1

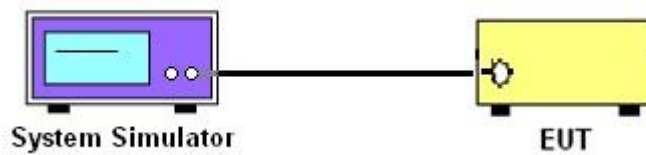
3 Conducted Test Items

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, Band 26 (Part 22H)

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

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

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

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

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

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

3.2.2 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through the system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.
5. The MIMO mode is completely uncorrelated, so the directional gain is selected the maximum gain among all antennas.

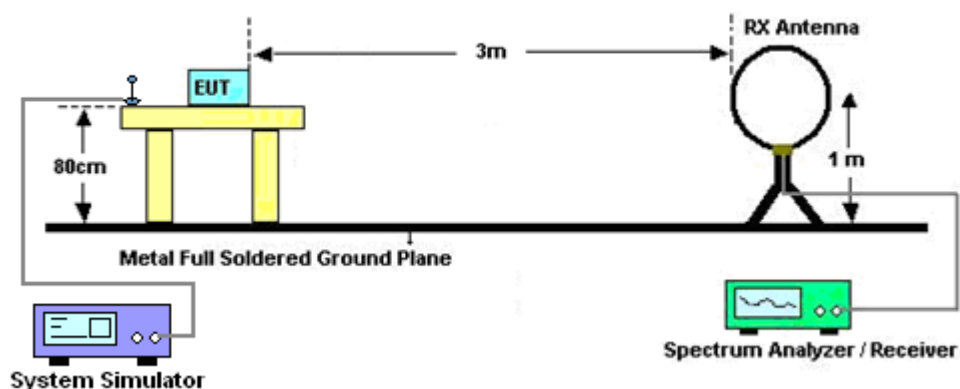
4 Radiated Test Items

4.1 Measuring Instruments

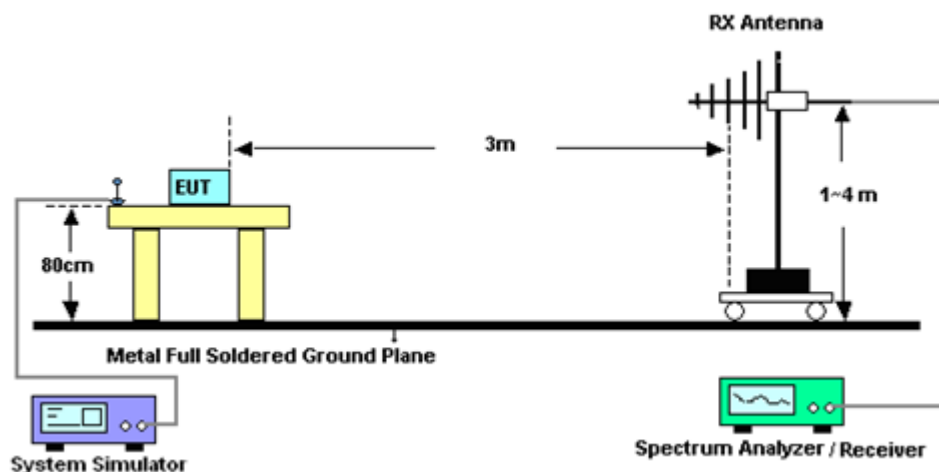
See list of measuring instruments of this test report.

4.1.1 Test Setup

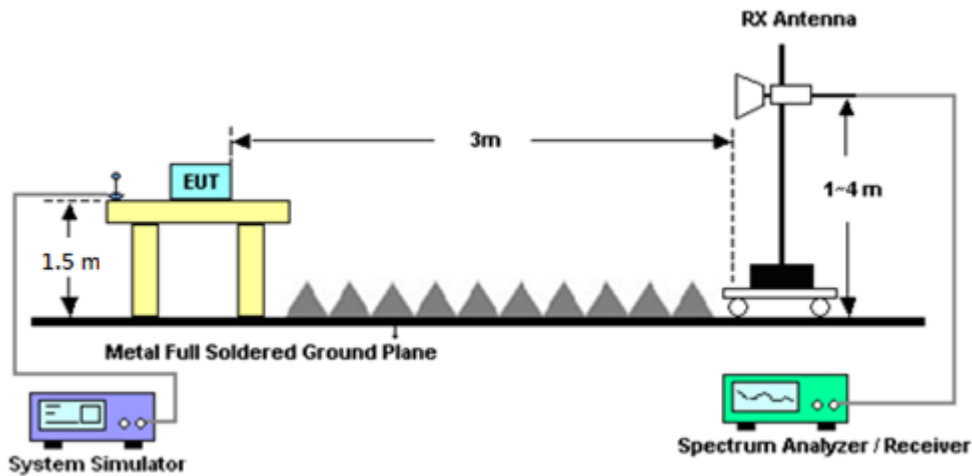
For radiated test below 30MHz



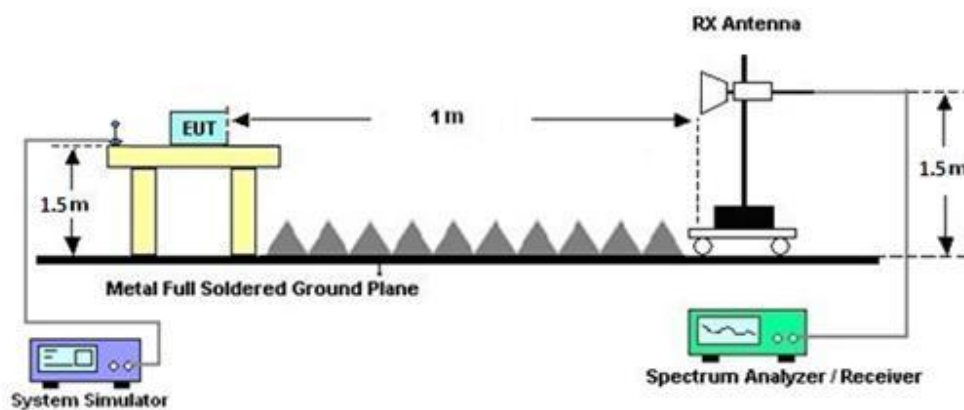
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

Note:

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

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



4.2 Radiated Spurious Emission Measurement

4.2.1 Description of Radiated Spurious Emission Measurement

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

For LTE Band 7, 38, 41

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

For LTE Band 13

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

For LTE Band 30

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

For LTE Band 14

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

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

4.2.2 Test Procedures

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

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



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	6262025353	LTE FDD/TDD LTE-2CC DLCA/ULCA	Oct. 03, 2023	Sep. 04, 2024~ Oct. 01, 2024	Oct. 02, 2024	Conducted (TH03-HY)
Radio Communication Analyzer	Anritsu	MT8821C	6262025353	LTE FDD/TDD LTE-2CC DLCA/ULCA	Oct. 01, 2024	Oct. 01, 2024~ Oct. 22, 2024	Sep. 30, 2025	Conducted (TH03-HY)
DC Power Supply	GW Instek	GPP-2323	GES906037	0V~64V ; 0A~6A	Nov. 28, 2023	Sep. 04, 2024~ Oct. 22, 2024	Nov. 27, 2024	Conducted (TH03-HY)
Coupler+10dB+ RFcable	Warison + WoKen + E-Instrument	20dB 25W SMA Directional Coupler+ 10dB 18GHz_5W+SFL 405_1.5M	#A+#1+#1+#7	1-18GHz	Jan. 02, 2024	Sep. 04, 2024~ Oct. 22, 2024	Jan. 01, 2025	Conducted (TH03-HY)
Power divider	Anritsu	K241C	2143398	9KHz~40GHz	Jun. 13, 2024	Sep. 04, 2024~ Oct. 22, 2024	Jun. 12, 2025	Conducted (TH03-HY)
Software	Sporton	LTE Conducted Test Tools	N/A	Conducted Test Item	N/A	Sep. 04, 2024~ Oct. 22, 2024	N/A	Conducted (TH03-HY)
Hygrometer	TECPEL	DTM-303B	TP210073	-10 ~ 50°C / 20 ~ 95%RH	Jun. 05, 2024	Sep. 04, 2024~ Oct. 22, 2024	Jun. 04, 2025	Conducted (TH03-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Feb. 23, 2024	Sep. 14, 2024~ Oct. 15, 2024	Feb. 22, 2025	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	37059 & 01	30MHz~1GHz	Nov. 03, 2023	Sep. 14, 2024~ Oct. 15, 2024	Nov. 02, 2024	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-02114	1GHz~18GHz	Jul. 11, 2024	Sep. 14, 2024~ Oct. 15, 2024	Jul. 10, 2025	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA9170	00993	18GHz~40GHz	Nov. 24, 2023	Sep. 14, 2024~ Oct. 15, 2024	Nov. 23, 2024	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103	161075	10MHz~1GHz	Mar. 20, 2024	Sep. 14, 2024~ Oct. 15, 2024	Mar. 19, 2025	Radiation (03CH12-HY)
Preamplifier	Agilent	8449B	3008A02375	1GHz~26.5GHz	May 22, 2024	Sep. 14, 2024~ Oct. 15, 2024	May 21, 2025	Radiation (03CH12-HY)
Preamplifier	E-INSTRUME NT TECH LTD.	ERA-100M-18G-5 6-01-A70	EC1900249	1GHz~18GHz	Dec. 20, 2023	Sep. 14, 2024~ Oct. 15, 2024	Dec. 19, 2024	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 07, 2023	Sep. 14, 2024~ Oct. 15, 2024	Dec. 06, 2024	Radiation (03CH12-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290053	20Hz~26.5GHz	Sep. 09, 2024	Sep. 14, 2024~ Oct. 15, 2024	Sep. 08, 2025	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-900-100 0-15000-60SS	SN11	1GHz High Pass Filter	Mar. 13, 2024	Sep. 14, 2024~ Oct. 15, 2024	Mar. 12, 2025	Radiation (03CH12-HY)
Filter	Wainwright	WLKS1200-12SS	SN2	1.2GHz Low Pass Filter	Mar. 13, 2024	Sep. 14, 2024~ Oct. 15, 2024	Mar. 12, 2025	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-2700-30 00-18000-60SS	SN2	3GHz High Pass Filter	Mar. 13, 2024	Sep. 14, 2024~ Oct. 15, 2024	Mar. 12, 2025	Radiation (03CH12-HY)
Filter	Wainwright	WHKX8-5872.5-6 750-18000-40ST	SN2	6.75GHz High Pass Filter	Mar. 13, 2024	Sep. 14, 2024~ Oct. 15, 2024	Mar. 12, 2025	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 06, 2024	Sep. 14, 2024~ Oct. 15, 2024	Mar. 05, 2025	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30MHz~18GHz	Dec. 18, 2023	Sep. 14, 2024~ Oct. 15, 2024	Dec. 17, 2024	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Dec. 18, 2023	Sep. 14, 2024~ Oct. 15, 2024	Dec. 17, 2024	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803953/2	30MHz~40GHz	Dec. 18, 2023	Sep. 14, 2024~ Oct. 15, 2024	Dec. 17, 2024	Radiation (03CH12-HY)
Hygrometer	TECPEL	DTM-303B	TP210117	N/A	Oct. 19, 2023	Sep. 14, 2024~ Oct. 15, 2024	Oct. 18, 2024	Radiation (03CH12-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Sep. 14, 2024~ Oct. 15, 2024	N/A	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Sep. 14, 2024~ Oct. 15, 2024	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Sep. 14, 2024~ Oct. 15, 2024	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Sep. 14, 2024~ Oct. 15, 2024	N/A	Radiation (03CH12-HY)



6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.291 dB
---	----------

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.073 dB
---	----------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.082 dB
---	----------



Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power & ERP/EIRP)

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.83 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.47	23.66	23.59	24.49	0.2812
20	1	0	16-QAM	22.74	22.90	22.90	23.73	0.2360
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.83 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.36	23.52	23.47	24.35	0.2723
15	1	0	16-QAM	22.59	22.80	22.72	23.63	0.2307
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.83 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.28	23.49	23.39	24.32	0.2704
10	1	0	16-QAM	22.59	22.79	22.76	23.62	0.2301
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.83 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.28	23.53	23.51	24.36	0.2729
5	1	0	16-QAM	22.68	22.92	22.89	23.75	0.2371
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.83 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.30	23.53	23.49	24.36	0.2729
3	1	0	16-QAM	22.61	22.74	22.77	23.60	0.2291
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.83 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.32	23.58	23.54	24.41	0.2761
1.4	1	0	16-QAM	22.69	23.07	23.02	23.90	0.2455
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.65 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.41	23.65	23.56	24.30	0.2692
20	1	0	16-QAM	22.63	22.95	22.84	23.60	0.2291
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.65 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.31	23.47	23.43	24.12	0.2582
15	1	0	16-QAM	22.44	22.76	22.71	23.41	0.2193
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.65 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.27	23.48	23.44	24.13	0.2588
10	1	0	16-QAM	22.49	22.82	22.66	23.47	0.2223
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.65 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.24	23.50	23.47	24.15	0.2600
5	1	0	16-QAM	22.58	22.88	22.93	23.58	0.2280
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.65 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.22	23.46	23.36	24.11	0.2576
3	1	0	16-QAM	22.48	22.78	22.71	23.43	0.2203
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.65 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.22	23.47	23.38	24.12	0.2582
1.4	1	0	16-QAM	22.65	22.90	22.82	23.55	0.2265
Limit	EIRP < 2W			Result			Pass	



LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.16 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.46	23.43	23.49	24.65	0.2917
20	1	0	16-QAM	22.73	22.76	22.83	23.99	0.2506
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.16 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.36	23.23	23.31	24.52	0.2831
15	1	0	16-QAM	22.62	22.60	22.72	23.88	0.2443
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.16 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.31	23.32	23.34	24.50	0.2818
10	1	0	16-QAM	22.60	22.65	22.67	23.83	0.2415
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.16 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.24	23.30	23.43	24.59	0.2877
5	1	0	16-QAM	22.63	22.75	22.87	24.03	0.2529
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.16 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.27	23.33	23.30	24.49	0.2812
3	1	0	16-QAM	22.59	22.56	22.66	23.82	0.2410
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.16 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.16	23.27	23.37	24.53	0.2838
1.4	1	0	16-QAM	22.58	22.71	22.85	24.01	0.2518
Limit	EIRP < 1W			Result			Pass	



LTE Band 5 Maximum Average Power [dBm] (GT - LC = -0.35 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.80	23.79	23.86	21.36	0.1368
10	1	0	16-QAM	23.24	23.14	23.29	20.79	0.1199
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -0.35 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.68	23.64	23.68	21.18	0.1312
5	1	0	16-QAM	23.08	22.95	23.09	20.59	0.1146
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -0.35 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.64	23.63	23.68	21.18	0.1312
3	1	0	16-QAM	23.09	23.03	23.10	20.60	0.1148
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -0.35 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.76	23.79	23.71	21.29	0.1346
1.4	1	0	16-QAM	23.21	23.14	23.09	20.71	0.1178
Limit	ERP < 7W			Result			Pass	



LTE Band 7 Maximum Average Power [dBm] (GT - LC = 1.77 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.60	23.51	23.67	25.44	0.3499
20	1	0	16-QAM	22.78	22.66	22.73	24.55	0.2851
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = 1.77 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.41	23.39	23.57	25.34	0.3420
15	1	0	16-QAM	22.68	22.53	22.62	24.45	0.2786
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = 1.77 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.41	23.39	23.55	25.32	0.3404
10	1	0	16-QAM	22.66	22.51	22.63	24.43	0.2773
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = 1.77 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.41	23.41	23.40	25.18	0.3296
5	1	0	16-QAM	22.80	22.76	22.80	24.57	0.2864
Limit	EIRP < 2W			Result			Pass	



LTE Band 12 Maximum Average Power [dBm] (GT - LC = -1.19 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.97	23.95	23.92	20.63	0.1156
10	1	0	16-QAM	23.38	23.33	23.25	20.04	0.1009
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -1.19 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.75	23.74	23.87	20.53	0.1130
5	1	0	16-QAM	23.11	23.21	23.21	19.87	0.0971
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -1.19 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.81	23.81	23.80	20.47	0.1114
3	1	0	16-QAM	23.28	23.13	23.12	19.94	0.0986
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -1.19 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.75	23.66	23.58	20.41	0.1099
1.4	1	0	16-QAM	23.17	23.13	23.08	19.83	0.0962
Limit	ERP < 3W			Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG482037B

LTE Band 13 Maximum Average Power [dBm] (GT - LC = -0.13 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	23.71	-	21.43	0.1390
10	1	0	16-QAM		23.05		20.77	0.1194
Limit	ERP < 3W			Result			Pass	

LTE Band 13 Maximum Average Power [dBm] (GT - LC = -0.13 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.57	23.70	23.62	21.42	0.1387
5	1	0	16-QAM	22.88	23.05	22.95	20.77	0.1194
Limit	ERP < 3W			Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG482037B

LTE Band 17 Maximum Average Power [dBm] (GT - LC = -1.13 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.89	23.94	23.90	20.66	0.1164
10	1	0	16-QAM	23.30	23.35	23.24	20.07	0.1016
Limit	ERP < 3W			Result			Pass	

LTE Band 17 Maximum Average Power [dBm] (GT - LC = -1.13 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.79	23.73	23.70	20.51	0.1125
5	1	0	16-QAM	23.18	23.15	23.06	19.90	0.0977
Limit	ERP < 3W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.01 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	23.55	23.58	23.51	21.42	0.1387
15	1	0	16-QAM	22.93	22.67	22.89	20.77	0.1194
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.01 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.29	23.31	23.31	21.15	0.1303
10	1	0	16-QAM	22.47	22.71	22.78	20.62	0.1153
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.01 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.24	23.31	23.41	21.25	0.1334
5	1	0	16-QAM	22.58	22.73	22.72	20.57	0.1140
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.01 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.33	23.41	23.40	21.25	0.1334
3	1	0	16-QAM	22.52	22.81	22.70	20.65	0.1161
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.01 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.47	23.37	23.61	21.45	0.1396
1.4	1	0	16-QAM	22.67	22.85	22.99	20.83	0.1211
Limit	ERP < 7W			Result			Pass	



LTE Band 38 Maximum Average Power [dBm] (GT - LC = 2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.57	23.62	23.55	25.62	0.3648
20	1	0	16-QAM	22.55	22.57	22.58	24.58	0.2871
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = 2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.47	23.51	23.42	25.51	0.3556
15	1	0	16-QAM	22.44	22.47	22.44	24.47	0.2799
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = 2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.39	23.52	23.41	25.52	0.3565
10	1	0	16-QAM	22.39	22.43	22.43	24.43	0.2773
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = 2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.43	23.42	23.37	25.43	0.3491
5	1	0	16-QAM	22.35	22.43	22.39	24.43	0.2773
Limit	EIRP < 2W			Result			Pass	



LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 1.83 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	25.54	25.67	25.26	27.50	0.5623
20	1	0	16-QAM	24.96	24.93	24.71	26.79	0.4775
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 1.83 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	25.40	25.52	25.16	27.35	0.5433
15	1	0	16-QAM	24.77	24.73	24.54	26.60	0.4571
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 1.83 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	25.39	25.57	25.09	27.40	0.5495
10	1	0	16-QAM	24.80	24.76	24.59	26.63	0.4603
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 1.83 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	25.36	25.52	25.12	27.35	0.5433
5	1	0	16-QAM	24.80	24.81	24.53	26.64	0.4613
Limit	EIRP < 2W			Result			Pass	



LTE Band 30 Maximum Average Power [dBm] (GT - LC = 0.97 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	-	21.62	-	22.59	0.1816
10	1	0	16-QAM		20.97		21.94	0.1563
Limit	EIRP < 250mW/5MHz			Result			Pass	

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

LTE Band 30 Maximum Average Power [dBm] (GT - LC = 0.97 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	21.46	21.47	21.46	22.44	0.1754
5	1	0	16-QAM	20.84	20.86	20.84	21.83	0.1524
Limit	EIRP < 250mW/5MHz			Result			Pass	

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



LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.45	23.50	23.47	24.78	0.3006
20	1	0	16-QAM	22.70	22.89	22.79	24.17	0.2612
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.34	23.33	23.36	24.64	0.2911
15	1	0	16-QAM	22.76	22.78	22.95	24.23	0.2649
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.35	23.34	23.37	24.65	0.2917
10	1	0	16-QAM	22.59	22.73	22.64	24.01	0.2518
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.28	23.34	23.32	24.62	0.2897
5	1	0	16-QAM	22.53	22.78	22.65	24.06	0.2547
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.32	23.40	23.37	24.68	0.2938
3	1	0	16-QAM	22.58	22.77	22.60	24.05	0.2541
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.27	23.33	23.35	24.63	0.2904
1.4	1	0	16-QAM	22.69	22.74	22.78	24.06	0.2547
Limit	EIRP < 1W			Result			Pass	



LTE Band 71 Maximum Average Power [dBm] (GT - LC = -1.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
20	1	0	QPSK	23.82	24.17	24.11	20.64	0.1159
20	1	0	16-QAM	23.03	23.30	23.36	19.83	0.0962
Limit	ERP < 3W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = -1.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	23.72	23.97	23.96	20.44	0.1107
15	1	0	16-QAM	22.87	23.10	23.22	19.69	0.0931
Limit	ERP < 3W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = -1.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.71	23.98	23.98	20.45	0.1109
10	1	0	16-QAM	22.93	23.11	23.18	19.65	0.0923
Limit	ERP < 3W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = -1.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.69	24.01	23.92	20.48	0.1117
5	1	0	16-QAM	22.85	23.10	23.21	19.68	0.0929
Limit	ERP < 3W			Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG482037B

LTE Band 14 Maximum Average Power [dBm] (GT - LC = 0 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	23.79	-	21.64	0.1459
10	1	0	16-QAM		23.22		21.07	0.1279
Limit	ERP < 3W			Result			Pass	

LTE Band 14 Maximum Average Power [dBm] (GT - LC = 0 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.70	23.69	23.62	21.55	0.1429
5	1	0	16-QAM	23.15	23.07	22.95	21.00	0.1259
Limit	ERP < 3W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.01 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	23.39	-	-	21.23	0.1327
15	1	0	16-QAM	22.67	-	-	20.51	0.1125
Limit	Power < 100W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.01 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	23.36	-	21.20	0.1318
10	1	0	16-QAM	-	22.78	-	20.62	0.1153
Limit	Power < 100W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.01 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.25	23.29	23.31	21.15	0.1303
5	1	0	16-QAM	22.55	22.53	22.55	20.39	0.1094
Limit	Power < 100W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.01 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.28	23.37	23.29	21.21	0.1321
3	1	0	16-QAM	22.51	22.55	22.47	20.39	0.1094
Limit	Power < 100W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.01 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.40	23.35	23.49	21.33	0.1358
1.4	1	0	16-QAM	22.74	22.65	22.84	20.68	0.1169
Limit	Power < 100W			Result			Pass	



LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -0.01 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	-	23.34	-	21.18	0.1312
15	1	0	16-QAM	-	22.60	-	20.44	0.1107
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -0.01 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	23.24	-	21.08	0.1282
10	1	0	16-QAM	-	22.53	-	20.37	0.1089
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -0.01 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	-	23.27	-	21.11	0.1291
5	1	0	16-QAM	-	22.64	-	20.48	0.1117
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -0.01 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	-	23.35	-	21.19	0.1315
3	1	0	16-QAM	-	22.48	-	20.32	0.1076
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -0.01 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	-	23.48	-	21.32	0.1355
1.4	1	0	16-QAM	-	22.75	-	20.59	0.1146
Limit	ERP < 7W			Result			Pass	



LTE Band 42 Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	20.76	20.40	20.44	21.76	0.1500
20	1	0	16-QAM	20.10	19.77	19.77	21.10	0.1288
Limit	EIRP < 1W			Result			Pass	

LTE Band 42 Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	20.67	20.30	20.38	21.67	0.1469
15	1	0	16-QAM	20.02	19.67	19.69	21.02	0.1265
Limit	EIRP < 1W			Result			Pass	

LTE Band 42 Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	20.70	20.34	20.39	21.70	0.1479
10	1	0	16-QAM	20.03	19.71	19.70	21.03	0.1268
Limit	EIRP < 1W			Result			Pass	

LTE Band 42 Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	20.70	20.35	20.37	21.70	0.1479
5	1	0	16-QAM	20.04	19.71	19.71	21.04	0.1271
Limit	EIRP < 1W			Result			Pass	

**<MIMO2 Antenna>**

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.99 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.95	23.05	22.64	25.04	0.3192
20	1	0	16-QAM	21.52	21.56	21.51	23.55	0.2265
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.99 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.88	22.99	22.55	24.98	0.3148
15	1	0	16-QAM	21.44	21.46	21.45	23.45	0.2213
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.99 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.88	22.97	22.58	24.96	0.3133
10	1	0	16-QAM	21.44	21.49	21.41	23.48	0.2228
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.99 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.86	22.97	22.58	24.96	0.3133
5	1	0	16-QAM	21.47	21.47	21.44	23.46	0.2218
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.99 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	22.87	22.95	22.58	24.94	0.3119
3	1	0	16-QAM	21.44	21.50	21.41	23.49	0.2234
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.99 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	22.81	22.87	22.48	24.86	0.3062
1.4	1	0	16-QAM	21.82	21.93	21.50	23.92	0.2466
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.94 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.70	22.57	22.67	24.64	0.2911
20	1	0	16-QAM	21.45	21.35	21.45	23.39	0.2183
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.94 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.62	22.47	22.58	24.56	0.2858
15	1	0	16-QAM	21.40	21.29	21.39	23.34	0.2158
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.94 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.62	22.52	22.57	24.56	0.2858
10	1	0	16-QAM	21.38	21.27	21.35	23.32	0.2148
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.94 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.62	22.47	22.59	24.56	0.2858
5	1	0	16-QAM	21.35	21.25	21.40	23.34	0.2158
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.94 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	22.60	22.50	22.58	24.54	0.2844
3	1	0	16-QAM	21.40	21.28	21.40	23.34	0.2158
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.94 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	22.53	22.41	22.51	24.47	0.2799
1.4	1	0	16-QAM	21.84	21.73	21.74	23.78	0.2388
Limit	EIRP < 2W			Result			Pass	



LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.88 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.16	22.80	22.76	25.04	0.3192
20	1	0	16-QAM	21.87	21.53	21.49	23.75	0.2371
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.88 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.06	22.72	22.67	24.94	0.3119
15	1	0	16-QAM	21.78	21.46	21.41	23.66	0.2323
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.88 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.10	22.70	22.71	24.98	0.3148
10	1	0	16-QAM	21.80	21.44	21.43	23.68	0.2333
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.88 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.08	22.75	22.69	24.96	0.3133
5	1	0	16-QAM	21.78	21.45	21.40	23.66	0.2323
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.88 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.10	22.73	22.69	24.98	0.3148
3	1	0	16-QAM	21.77	21.43	21.41	23.65	0.2317
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.88 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.02	22.65	22.59	24.90	0.3090
1.4	1	0	16-QAM	21.90	21.57	21.50	23.78	0.2388
Limit	EIRP < 1W			Result			Pass	



LTE Band 7 Maximum Average Power [dBm] (GT - LC = 1.52 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.49	22.54	22.70	24.22	0.2642
20	1	0	16-QAM	21.59	21.65	21.76	23.28	0.2128
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = 1.52 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.44	22.44	22.63	24.15	0.2600
15	1	0	16-QAM	21.54	21.58	21.69	23.21	0.2094
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = 1.52 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.41	22.48	22.65	24.17	0.2612
10	1	0	16-QAM	21.54	21.56	21.66	23.18	0.2080
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = 1.52 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.44	22.48	22.60	24.12	0.2582
5	1	0	16-QAM	21.50	21.56	21.66	23.18	0.2080
Limit	EIRP < 2W			Result			Pass	



LTE Band 38 Maximum Average Power [dBm] (GT - LC = 1.64 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.91	22.77	22.50	24.55	0.2851
20	1	0	16-QAM	21.76	21.66	21.38	23.40	0.2188
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = 1.64 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.83	22.70	22.41	24.47	0.2799
15	1	0	16-QAM	21.68	21.60	21.31	23.32	0.2148
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = 1.64 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.82	22.69	22.44	24.46	0.2793
10	1	0	16-QAM	21.70	21.57	21.32	23.34	0.2158
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = 1.64 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.83	22.70	22.45	24.47	0.2799
5	1	0	16-QAM	21.69	21.58	21.30	23.33	0.2153
Limit	EIRP < 2W			Result			Pass	



LTE Band 41 Maximum Average Power [dBm] (GT - LC = 0.71 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.65	22.67	22.76	23.47	0.2223
20	1	0	16-QAM	21.53	21.54	21.65	22.36	0.1722
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = 0.71 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.60	22.61	22.67	23.38	0.2178
15	1	0	16-QAM	21.45	21.48	21.59	22.30	0.1698
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = 0.71 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.58	22.62	22.71	23.42	0.2198
10	1	0	16-QAM	21.45	21.49	21.55	22.26	0.1683
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = 0.71 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.58	22.62	22.69	23.40	0.2188
5	1	0	16-QAM	21.47	21.47	21.59	22.30	0.1698
Limit	EIRP < 2W			Result			Pass	



LTE Band 30 Maximum Average Power [dBm] (GT - LC = 0.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	-	21.78	-	22.69	0.1858
10	1	0	16-QAM		20.93		21.84	0.1528
Limit	EIRP < 250mW/5MHz			Result			Pass	

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

LTE Band 30 Maximum Average Power [dBm] (GT - LC = 0.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	21.63	21.68	21.66	22.59	0.1816
5	1	0	16-QAM	20.42	20.52	20.45	21.43	0.1390
Limit	EIRP < 250mW/5MHz			Result			Pass	

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



LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.88 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.00	22.77	22.71	24.88	0.3076
20	1	0	16-QAM	22.16	21.95	21.89	24.04	0.2535
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.88 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.90	22.67	22.63	24.78	0.3006
15	1	0	16-QAM	22.08	21.85	21.84	23.96	0.2489
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.88 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.92	22.69	22.62	24.80	0.3020
10	1	0	16-QAM	22.10	21.89	21.82	23.98	0.2500
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.88 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.93	22.72	22.64	24.81	0.3027
5	1	0	16-QAM	22.06	21.85	21.83	23.94	0.2477
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.88 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	22.91	22.69	22.65	24.79	0.3013
3	1	0	16-QAM	22.07	21.86	21.81	23.95	0.2483
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.88 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	22.83	22.64	22.57	24.71	0.2958
1.4	1	0	16-QAM	21.87	21.69	21.59	23.75	0.2371
Limit	EIRP < 1W			Result			Pass	



LTE Band 42 Maximum Average Power [dBm] (GT - LC = -0.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	21.01	21.00	20.96	20.70	0.1175
20	1	0	16-QAM	20.07	20.06	20.14	19.83	0.0962
Limit	EIRP < 1W			Result			Pass	

LTE Band 42 Maximum Average Power [dBm] (GT - LC = -0.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	20.89	20.86	20.86	20.58	0.1143
15	1	0	16-QAM	19.88	19.89	19.96	19.65	0.0923
Limit	EIRP < 1W			Result			Pass	

LTE Band 42 Maximum Average Power [dBm] (GT - LC = -0.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	20.89	20.83	20.82	20.58	0.1143
10	1	0	16-QAM	19.88	19.86	19.98	19.67	0.0927
Limit	EIRP < 1W			Result			Pass	

LTE Band 42 Maximum Average Power [dBm] (GT - LC = -0.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	20.82	20.87	20.82	20.56	0.1138
5	1	0	16-QAM	19.93	19.90	19.94	19.63	0.0918
Limit	EIRP < 1W			Result			Pass	



LTE Band 43 Maximum Average Power [dBm] (GT - LC = -0.44 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	20.81	20.72	20.75	20.37	0.1089
20	1	0	16-QAM	19.81	19.71	19.82	19.38	0.0867
Limit	EIRP < 1W			Result			Pass	

LTE Band 43 Maximum Average Power [dBm] (GT - LC = -0.44 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	20.69	20.62	20.63	20.25	0.1059
15	1	0	16-QAM	19.61	19.52	19.67	19.23	0.0838
Limit	EIRP < 1W			Result			Pass	

LTE Band 43 Maximum Average Power [dBm] (GT - LC = -0.44 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	20.63	20.60	20.59	20.19	0.1045
10	1	0	16-QAM	19.67	19.60	19.67	19.23	0.0838
Limit	EIRP < 1W			Result			Pass	

LTE Band 43 Maximum Average Power [dBm] (GT - LC = -0.44 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	20.66	20.62	20.65	20.22	0.1052
5	1	0	16-QAM	19.70	19.52	19.72	19.28	0.0847
Limit	EIRP < 1W			Result			Pass	



<Main Antenna>

LTE Band 2C_CA Maximum Average Power [dBm] (GT - LC = 0.83 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	1	99	1	0	QPSK	23.83	24.26	23.97	25.09	0.3228
20+20	1	99	1	0	16-QAM	23.27	23.28	23.24	24.11	0.2576
20+15	1	74	1	0	QPSK	23.79	23.86	23.93	24.76	0.2992
20+15	1	74	1	0	16-QAM	23.39	23.51	23.50	24.34	0.2716
15+20	1	74	1	0	QPSK	24.09	23.93	23.98	24.92	0.3105
15+20	1	74	1	0	16-QAM	23.46	23.33	23.44	24.29	0.2685
Limit	EIRP < 2W					Result			Pass	

LTE Band 2C_CA Maximum Average Power [dBm] (GT - LC = 0.83 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	1	99	1	0	QPSK	23.74	24.13	23.82	24.96	0.3133
20+10	1	99	1	0	16-QAM	23.46	23.53	23.40	24.36	0.2729
10+20	1	49	1	0	QPSK	23.97	23.63	23.79	24.80	0.3020
10+20	1	49	1	0	16-QAM	23.08	23.20	23.22	24.05	0.2541
20+5	1	99	1	0	QPSK	23.91	23.82	24.12	24.95	0.3126
20+5	1	99	1	0	16-QAM	23.25	23.38	23.50	24.33	0.2710
Limit	EIRP < 2W					Result			Pass	

LTE Band 2C_CA Maximum Average Power [dBm] (GT - LC = 0.83 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+20	1	24	1	0	QPSK	23.65	23.71	23.73	24.56	0.2858
5+20	1	24	1	0	16-QAM	23.35	23.11	23.34	24.18	0.2618
Limit	EIRP < 2W					Result			Pass	

LTE Band 2C_CA Maximum Average Power [dBm] (GT - LC = 0.83 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
15+10	1	74	1	0	QPSK	23.97	23.85	23.89	24.80	0.3020
15+10	1	74	1	0	16-QAM	23.42	23.34	23.38	24.25	0.2661
10+15	1	49	1	0	QPSK	24.02	23.82	23.82	24.85	0.3055
10+15	1	49	1	0	16-QAM	23.41	23.13	23.25	24.24	0.2655
15+15	1	74	1	0	QPSK	23.96	23.68	23.70	24.79	0.3013
15+15	1	74	1	0	16-QAM	23.42	23.18	23.22	24.25	0.2661
Limit	EIRP < 2W					Result			Pass	



LTE Band 5B_CA Maximum Average Power [dBm] (GT - LC = -0.35 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
	RB Size	RB Offset	RB Size	RB Offset						
10+10	1	49	1	0	QPSK	23.93	24.10	23.97	21.60	0.1445
10+10	1	49	1	0	16-QAM	23.40	23.49	23.39	20.99	0.1256
10+5	1	49	1	0	QPSK	23.81	24.14	23.87	21.64	0.1459
10+5	1	49	1	0	16-QAM	23.00	23.31	23.19	20.81	0.1205
5+10	1	24	1	0	QPSK	23.82	23.84	23.93	21.43	0.1390
5+10	1	24	1	0	16-QAM	23.24	23.20	23.41	20.91	0.1233
Limit	ERP < 7W					Result			Pass	

LTE Band 5B_CA Maximum Average Power [dBm] (GT - LC = -0.35 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+3	1	24	1	0	QPSK	24.01	24.10	24.12	21.62	0.1452
5+3	1	24	1	0	16-QAM	23.62	24.39	24.01	21.89	0.1545
3+5	1	14	1	0	QPSK	23.98	24.09	24.04	21.59	0.1442
3+5	1	14	1	0	16-QAM	24.25	24.51	24.25	22.01	0.1589
Limit	ERP < 7W					Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG482037B

LTE Band 66B_CA Maximum Average Power [dBm] (GT - LC = 1.28 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
10+10	1	49	1	0	QPSK	23.97	23.93	23.95	25.25	0.3350
10+10	1	49	1	0	16-QAM	23.23	23.28	23.43	24.71	0.2958
15+5	1	74	1	0	QPSK	23.83	23.87	23.84	25.15	0.3273
15+5	1	74	1	0	16-QAM	23.20	23.32	23.38	24.66	0.2924
5+15	1	24	1	0	QPSK	23.94	23.90	23.75	25.22	0.3327
5+15	1	24	1	0	16-QAM	23.32	23.27	23.23	24.60	0.2884
Limit	EIRP < 1W					Result			Pass	

LTE Band 66B_CA Maximum Average Power [dBm] (GT - LC = 1.28 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
10+5	1	49	1	0	QPSK	23.75	23.76	24.05	25.33	0.3412
10+5	1	49	1	0	16-QAM	23.34	23.27	23.12	24.62	0.2897
5+10	1	24	1	0	QPSK	23.72	24.01	23.97	25.29	0.3381
5+10	1	24	1	0	16-QAM	23.12	23.31	23.21	24.59	0.2877
5+5	1	24	1	0	QPSK	24.09	24.09	23.99	25.37	0.3443
5+5	1	24	1	0	16-QAM	23.25	23.42	23.22	24.70	0.2951
Limit	EIRP < 1W					Result			Pass	



LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 1.28 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	1	99	1	0	QPSK	23.87	23.97	23.85	25.25	0.3350
20+20	1	99	1	0	16-QAM	23.22	23.40	23.25	24.68	0.2938
20+15	1	74	1	0	QPSK	23.82	23.76	23.81	25.10	0.3236
20+15	1	74	1	0	16-QAM	23.19	23.12	23.27	24.55	0.2851
15+20	1	74	1	0	QPSK	23.82	23.79	23.73	25.10	0.3236
15+20	1	74	1	0	16-QAM	23.21	23.25	23.19	24.53	0.2838
Limit	EIRP < 1W					Result			Pass	

LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 1.28 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	1	99	1	0	QPSK	23.81	23.94	23.92	25.22	0.3327
20+10	1	99	1	0	16-QAM	23.32	23.32	23.48	24.76	0.2992
10+20	1	49	1	0	QPSK	23.91	23.85	23.82	25.19	0.3304
10+20	1	49	1	0	16-QAM	23.24	23.26	23.41	24.69	0.2944
20+5	1	99	1	0	QPSK	23.84	23.88	23.81	25.16	0.3281
20+5	1	99	1	0	16-QAM	23.35	23.48	23.38	24.76	0.2992
Limit	EIRP < 1W					Result			Pass	

LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 1.28 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+20	1	24	1	0	QPSK	23.79	23.85	23.87	25.15	0.3273
5+20	1	24	1	0	16-QAM	23.27	23.40	23.39	24.68	0.2938
Limit	EIRP < 1W					Result			Pass	

LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 1.28 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
15+10	1	74	1	0	QPSK	23.75	23.84	23.82	25.12	0.3251
15+10	1	74	1	0	16-QAM	23.19	23.28	23.32	24.60	0.2884
10+15	1	49	1	0	QPSK	23.87	23.80	23.81	25.15	0.3273
10+15	1	49	1	0	16-QAM	23.36	23.29	23.42	24.70	0.2951
15+15	1	74	1	0	QPSK	23.81	23.79	23.83	25.11	0.3243
15+15	1	74	1	0	16-QAM	23.27	23.21	23.41	24.69	0.2944
Limit	EIRP < 1W					Result			Pass	



LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = 1.77 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	1	99	1	0	QPSK	23.88	23.91	24.07	25.84	0.3837
20+20	1	99	1	0	16-QAM	23.38	23.19	23.36	25.15	0.3273
20+15	1	99	1	0	QPSK	23.84	23.94	24.13	25.90	0.3890
20+15	1	99	1	0	16-QAM	23.64	23.45	23.36	25.41	0.3475
15+20	1	74	1	0	QPSK	23.89	24.12	23.90	25.89	0.3882
15+20	1	74	1	0	16-QAM	23.61	23.44	23.68	25.45	0.3508
Limit	EIRP < 2W					Result			Pass	

LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = 1.77 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	1	99	1	0	QPSK	23.86	23.84	24.04	25.81	0.3811
20+10	1	99	1	0	16-QAM	23.29	23.21	23.23	25.06	0.3206
10+20	1	49	1	0	QPSK	23.69	23.87	24.19	25.96	0.3945
10+20	1	49	1	0	16-QAM	23.35	23.25	23.42	25.19	0.3304
15+15	1	74	1	0	QPSK	23.98	23.98	23.86	25.75	0.3758
15+15	1	74	1	0	16-QAM	23.38	23.14	23.41	25.18	0.3296
Limit	EIRP < 2W					Result			Pass	

LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = 1.77 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
15+10	1	74	1	0	QPSK	24.01	24.11	23.65	25.88	0.3873
15+10	1	74	1	0	16-QAM	23.65	23.29	23.34	25.42	0.3483
Limit	EIRP < 2W					Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG482037B

LTE Band 38C_CA Maximum Average Power [dBm] (GT - LC = 2 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	1	99	1	0	QPSK	23.73	23.69	23.65	25.73	0.3741
20+20	1	99	1	0	16-QAM	23.37	23.32	23.42	25.42	0.3483
15+15	1	74	1	0	QPSK	23.65	23.63	23.64	25.65	0.3673
15+15	1	74	1	0	16-QAM	23.39	23.31	23.36	25.39	0.3459
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 1.83 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	1	99	1	0	QPSK	25.59	25.62	25.39	27.45	0.5559
20+20	1	99	1	0	16-QAM	25.06	25.02	24.80	26.89	0.4887
20+15	1	99	1	0	QPSK	25.66	25.65	25.24	27.49	0.5610
20+15	1	99	1	0	16-QAM	25.01	24.99	24.81	26.84	0.4831
15+20	1	74	1	0	QPSK	25.33	25.75	25.58	27.58	0.5728
15+20	1	74	1	0	16-QAM	25.11	25.06	24.72	26.94	0.4943
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 1.83 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	1	99	1	0	QPSK	25.75	25.83	25.53	27.66	0.5834
20+10	1	99	1	0	16-QAM	25.03	25.12	24.88	26.95	0.4955
10+20	1	49	1	0	QPSK	25.82	25.79	25.51	27.65	0.5821
10+20	1	49	1	0	16-QAM	25.03	25.08	24.74	26.91	0.4909
20+5	1	99	1	0	QPSK	25.78	25.80	25.74	27.63	0.5794
20+5	1	99	1	0	16-QAM	25.19	25.15	24.90	27.02	0.5035
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 1.83 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+20	1	24	1	0	QPSK	25.90	25.89	25.81	27.73	0.5929
5+20	1	24	1	0	16-QAM	25.06	25.01	24.86	26.89	0.4887
15+10	1	74	1	0	QPSK	25.82	25.83	25.52	27.66	0.5834
15+10	1	74	1	0	16-QAM	25.19	25.02	24.86	27.02	0.5035
10+15	1	49	1	0	QPSK	25.83	25.89	25.66	27.72	0.5916
10+15	1	49	1	0	16-QAM	25.26	25.07	25.11	27.09	0.5117
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 1.83 dB)										
15+15	1	74	1	0	QPSK	25.71	25.77	25.57	27.60	0.5754
15+15	1	74	1	0	16-QAM	25.02	25.01	24.89	26.85	0.4842
Limit	EIRP < 2W					Result			Pass	



<MIMO2 Antenna>

LTE Band 42C_CA Maximum Average Power [dBm] (GT - LC = -0.31 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	1	99	1	0	QPSK	21.39	21.27	21.25	21.08	0.1282
20+20	1	99	1	0	16-QAM	21.05	20.88	20.82	20.74	0.1186
20+15	1	74	1	0	QPSK	21.36	21.27	21.24	21.05	0.1274
20+15	1	74	1	0	16-QAM	20.93	20.88	20.93	20.62	0.1153
15+20	1	74	1	0	QPSK	21.46	21.28	21.24	21.15	0.1303
15+20	1	74	1	0	16-QAM	20.95	20.85	20.90	20.64	0.1159
Limit	EIRP < 1W					Result			Pass	

LTE Band 42C_CA Maximum Average Power [dBm] (GT - LC = -0.31 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	1	99	1	0	QPSK	21.38	21.29	21.28	21.07	0.1279
20+10	1	99	1	0	16-QAM	20.99	20.95	20.82	20.68	0.1169
10+20	1	49	1	0	QPSK	21.49	21.29	21.27	21.18	0.1312
10+20	1	49	1	0	16-QAM	21.06	20.93	20.87	20.75	0.1189
20+5	1	99	1	0	QPSK	21.39	21.33	21.24	21.08	0.1282
20+5	1	99	1	0	16-QAM	20.99	20.97	20.85	20.68	0.1169
Limit	EIRP < 1W					Result			Pass	

LTE Band 42C_CA Maximum Average Power [dBm] (GT - LC = -0.31 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+20	1	24	1	0	QPSK	21.55	21.33	21.37	21.24	0.1330
5+20	1	24	1	0	16-QAM	21.05	20.97	21.01	20.74	0.1186
Limit	EIRP < 1W					Result			Pass	



LTE Band 43C_CA Maximum Average Power [dBm] (GT - LC = -0.44 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	1	99	1	0	QPSK	21.52	21.46	21.35	21.08	0.1282
20+20	1	99	1	0	16-QAM	21.09	21.06	21.00	20.65	0.1161
20+15	1	74	1	0	QPSK	21.58	21.43	21.33	21.14	0.1300
20+15	1	74	1	0	16-QAM	21.12	21.13	20.95	20.69	0.1172
15+20	1	74	1	0	QPSK	21.53	21.45	21.39	21.09	0.1285
15+20	1	74	1	0	16-QAM	21.12	21.08	21.02	20.68	0.1169
Limit	EIRP < 1W					Result			Pass	

LTE Band 43C_CA Maximum Average Power [dBm] (GT - LC = -0.44 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	1	99	1	0	QPSK	21.53	21.47	21.40	21.09	0.1285
20+10	1	99	1	0	16-QAM	21.15	21.11	20.99	20.71	0.1178
10+20	1	49	1	0	QPSK	21.60	21.52	21.43	21.16	0.1306
10+20	1	49	1	0	16-QAM	21.24	21.13	21.09	20.80	0.1202
20+5	1	99	1	0	QPSK	21.55	21.43	21.42	21.11	0.1291
20+5	1	99	1	0	16-QAM	21.15	21.01	20.98	20.71	0.1178
Limit	EIRP < 1W					Result			Pass	

LTE Band 43C_CA Maximum Average Power [dBm] (GT - LC = -0.44 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+20	1	24	1	0	QPSK	21.59	21.62	21.46	21.18	0.1312
5+20	1	24	1	0	16-QAM	21.10	21.19	21.06	20.75	0.1189
15+10	1	74	1	0	QPSK	21.56	21.48	21.43	21.12	0.1294
15+10	1	74	1	0	16-QAM	21.20	21.07	20.95	20.76	0.1191
10+15	1	49	1	0	QPSK	21.57	21.45	21.43	21.13	0.1297
10+15	1	49	1	0	16-QAM	21.18	21.07	21.01	20.74	0.1186
Limit	EIRP < 1W					Result			Pass	

LTE Band 43C_CA Maximum Average Power [dBm] (GT - LC = -0.44 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
15+15	1	74	1	0	QPSK	21.52	21.45	21.35	21.08	0.1282
15+15	1	74	1	0	16-QAM	21.17	21.07	21.01	20.73	0.1183
Limit	EIRP < 1W					Result			Pass	



Appendix B. Test Results of Radiated Test

B.1. Summary of each worse mode

<Sample 1>

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
6	Part 22H	LTE B5	M	2496	-45.33	RMS	28.06	-26.20	0.50	-95.23	47.54	-13.00	-32.33	V	Main Antenna
7	Part 22H	LTE B26	M	2496	-42.03	RMS	28.06	-26.20	0.50	-95.23	50.84	-13.00	-29.03	H	Main Antenna
8	Part 22H	LTE CA B5B	L	2504	-47.76	RMS	28.14	-26.19	0.50	-95.23	45.02	-13.00	-34.76	H	Main Antenna
14	Part 24E	LTE B25	M	7484	-42.67	RMS	36.63	-20.48	0.34	-95.23	36.07	-13.00	-29.67	H	Main Antenna
27	Part 27M	LTE B7	H	10204	-55.67	RMS	38.80	-50.63	0.46	-95.23	50.93	-25.00	-30.67	V	Main Antenna
29	Part 27M	LTE B41	M	10336	-55.58	RMS	38.70	-50.47	0.46	-95.23	50.96	-25.00	-30.58	H	Main Antenna
30	Part 27M	LTE CA B7C	H	10196	-55.59	RMS	38.78	-50.64	0.46	-95.23	51.04	-25.00	-30.59	V	Main Antenna
32	Part 27M	LTE CA B41C	M	7776	-51.43	RMS	36.90	-51.80	0.40	-95.23	58.30	-25.00	-26.43	H	Main Antenna
46	Part 27D	LTE B30	M	9225	-56.12	RMS	38.15	-51.44	0.34	-95.23	52.06	-40.00	-16.12	V	Main Antenna
47	Part 27D	LTE B30	M	9222	-56.21	RMS	38.14	-51.45	0.34	-95.23	51.99	-40.00	-16.21	H	Main Antenna
84	Part 90S	LTE B26	M	2450	-44.85	RMS	27.70	-26.31	0.52	-95.23	48.47	-13.00	-31.85	V	Main Antenna
85	Part 90S	LTE B26	M	2443	-42.13	RMS	27.70	-26.33	0.52	-95.23	51.21	-13.00	-29.13	H	Main Antenna
86	Part 90S	LTE B26	M	2452	-46.39	RMS	27.70	-26.31	0.52	-95.23	46.93	-13.00	-33.39	H	Main Antenna

**<Sample 2>**

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
13	Part 24E	LTE B2	L	7404	-43.87	RMS	36.61	-20.40	0.33	-95.23	34.82	-13.00	-30.87	H	Main Antenna
15	Part 24E	LTE CA B2C	M	7516	-43.39	RMS	36.50	-20.49	0.35	-95.23	35.48	-13.00	-30.39	V	Main Antenna
1	Part 27F	LTE B13	H	1564	-59.34	RMS	25.40	-27.45	0.84	-95.23	37.10	-42.15	-17.19	V	Main Antenna
2	Part 27F	LTE B13	M	3110	-53.98	RMS	29.82	-25.33	0.39	-95.23	36.37	-13.00	-40.98	H	Main Antenna
22	Part 27L	LTE B66	H	7044	-44.21	RMS	36.28	-20.87	0.34	-95.23	35.27	-13.00	-31.21	V	Main Antenna
23	Part 27L	LTE CA B66B	H	7078	-44.17	RMS	36.47	-20.87	0.35	-95.23	35.11	-13.00	-31.17	H	Main Antenna
24	Part 27L	LTE CA B66C	L	6915	-44.64	RMS	36.07	-20.93	0.34	-95.23	35.11	-13.00	-31.64	H	Main Antenna
43	Part 27N	LTE B71	M	2696	-55.87	RMS	28.50	-25.87	0.44	-95.23	36.29	-13.00	-42.87	V	Main Antenna
51	Part 27H	LTE B12	M	2812	-53.22	RMS	28.50	-25.54	0.41	-95.23	38.64	-13.00	-40.22	V	Main Antenna
55	Part 27Q	LTE B42	H	14124	-31.90	RMS	40.90	-13.02	0.45	-95.23	35.00	-13.00	-18.90	H	MIMO2 Antenna
56	Part 27Q	LTE CA B42C	H	14116	-31.84	RMS	40.90	-13.02	0.45	-95.23	35.06	-13.00	-18.84	H	MIMO2 Antenna
67	Part 27O	LTE B43	L	14804	-31.97	RMS	40.49	-13.12	0.42	-95.23	35.47	-13.00	-18.97	V	MIMO2 Antenna
68	Part 27O	LTE CA B43C	L	14875	-31.66	RMS	40.30	-13.20	0.42	-95.23	36.05	-13.00	-18.66	V	MIMO2 Antenna
79	Part 90R	LTE B14	M	1581	-59.83	RMS	25.51	-27.40	0.81	-95.23	36.48	-42.15	-17.68	V	Main Antenna
80	Part 90R	LTE B14	M	1576	-58.18	RMS	25.46	-27.41	0.82	-95.23	38.18	-42.15	-16.03	H	Main Antenna



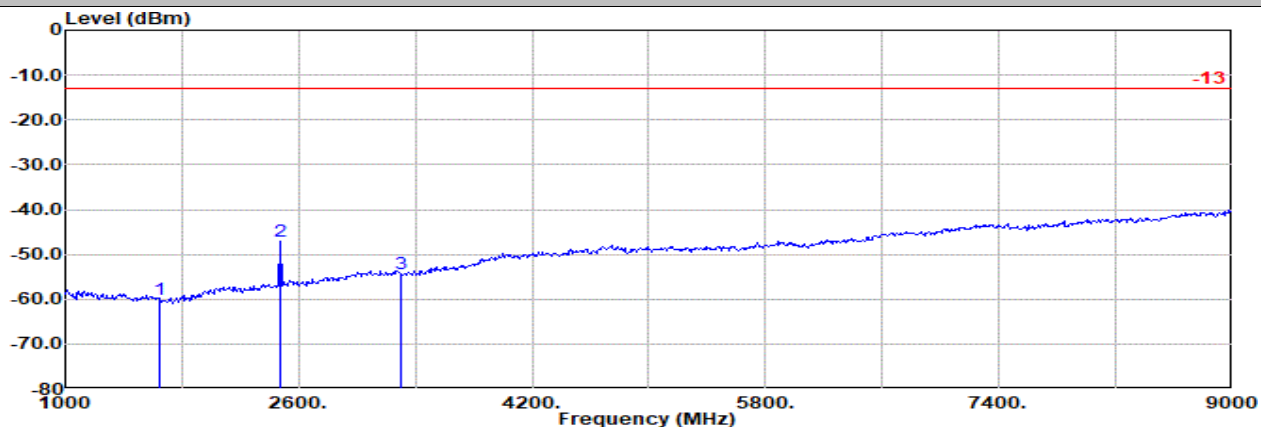
<Sample 1>

Main Antenna

Part 22H Mode 6

LTE B5 10M Ch20450 1RB0 QPSK

L

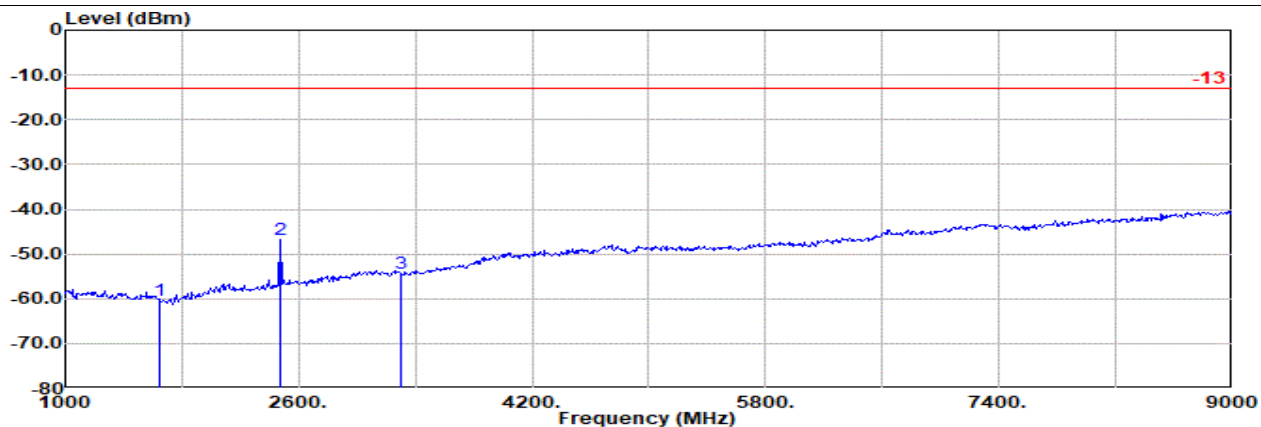


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

: LTE Band 5 10M Ch20450 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	1649.00	-59.95	RMS	25.31	-27.23	0.75	-95.23	36.45	-13.00	-46.95 Horizontal
2	2473.00	-47.01	RMS	27.83	-26.26	0.51	-95.23	46.14	-13.00	-34.01 Horizontal
3	3298.00	-54.39	RMS	29.80	-25.04	0.39	-95.23	35.69	-13.00	-41.39 Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

: LTE Band 5 10M Ch20450 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	1649.00	-60.25	RMS	25.31	-27.23	0.75	-95.23	36.15	-13.00	-47.25 Vertical
2	2473.00	-46.71	RMS	27.83	-26.26	0.51	-95.23	46.44	-13.00	-33.71 Vertical
3	3298.00	-54.22	RMS	29.80	-25.04	0.39	-95.23	35.86	-13.00	-41.22 Vertical

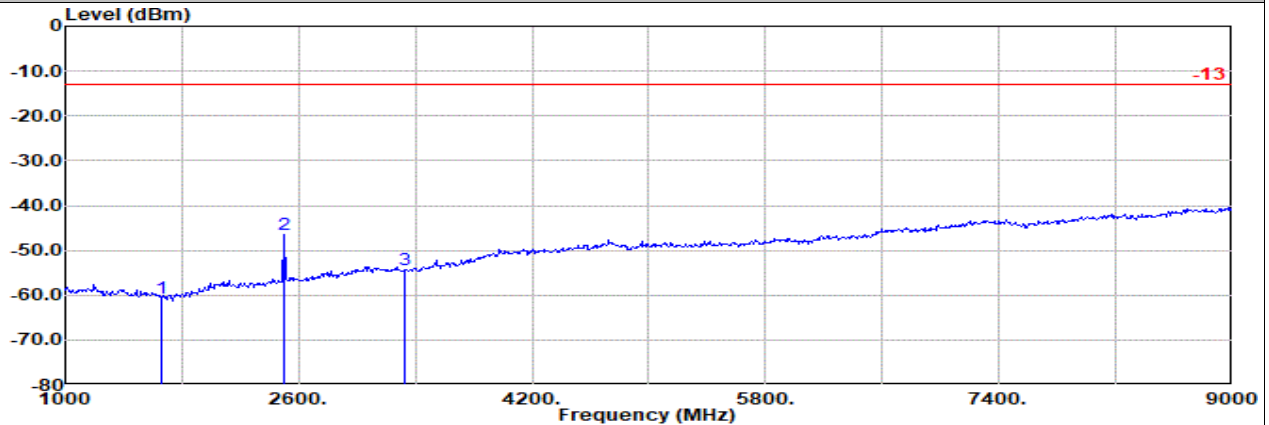


Main Antenna

Part 22H Mode 6

LTE B5 10M Ch20525 1RB0 QPSK

M

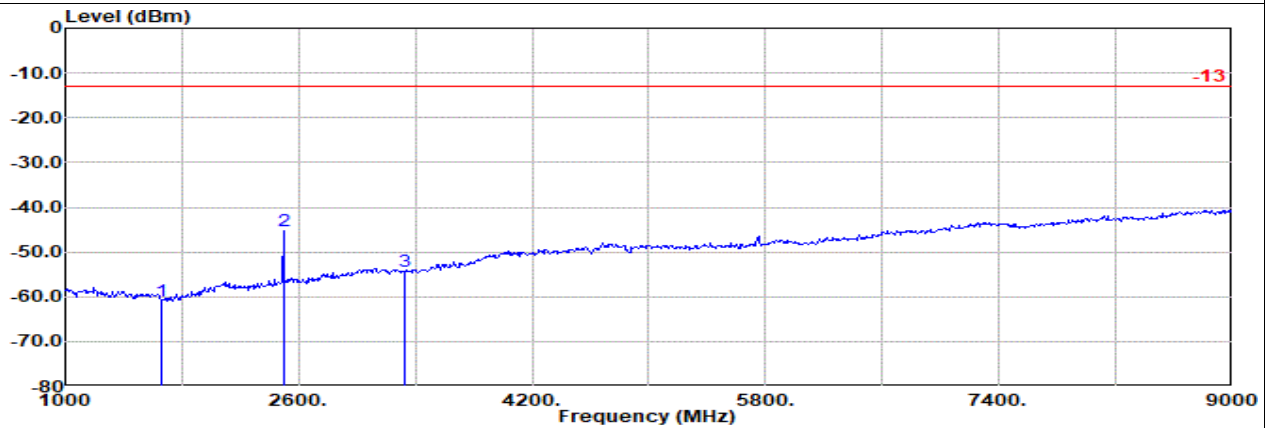


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

: LTE Band 5 10M Ch20525 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	1664.00	-60.57	RMS	25.34	-27.19	0.74	-95.23	35.77	-13.00	-47.57 Horizontal
2	2496.00	-46.48	RMS	28.06	-26.20	0.50	-95.23	46.39	-13.00	-33.48 Horizontal
3	3328.00	-54.44	RMS	29.80	-24.97	0.40	-95.23	35.56	-13.00	-41.44 Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

: LTE Band 5 10M Ch20525 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	1664.00	-60.87	RMS	25.34	-27.19	0.74	-95.23	35.47	-13.00	-47.87 Vertical
2	2496.00	-45.33	RMS	28.06	-26.20	0.50	-95.23	47.54	-13.00	-32.33 Vertical
3	3328.00	-54.40	RMS	29.80	-24.97	0.40	-95.23	35.60	-13.00	-41.40 Vertical

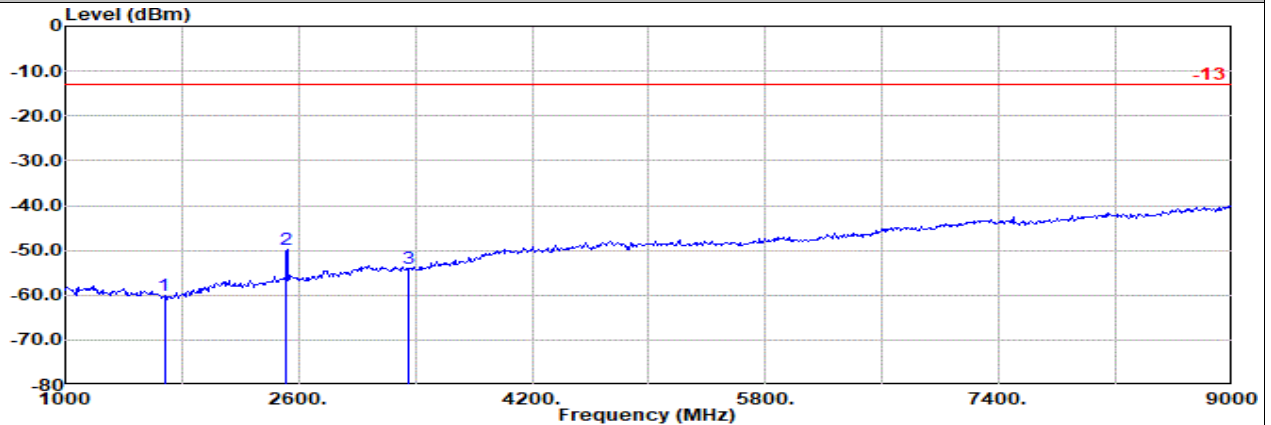


Main Antenna

Part 22H Mode 6

LTE B5 10M Ch20600 1RB0 QPSK

H

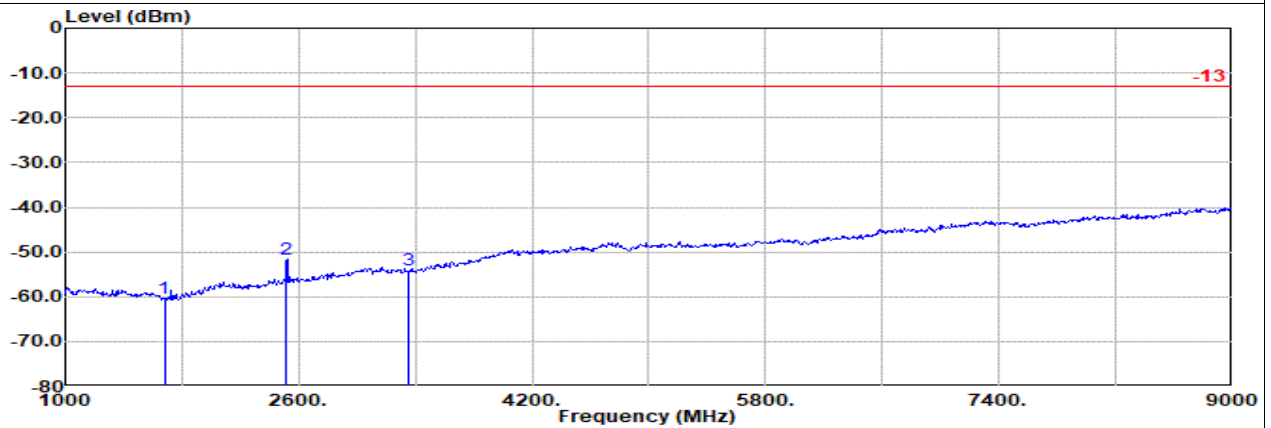


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

: LTE Band 5 10M Ch20600 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	1679.00	-60.01	RMS	25.40	-27.16	0.73	-95.23	36.25	-13.00	-47.01 Horizontal
2	2518.00	-49.90	RMS	28.28	-26.18	0.49	-95.23	42.74	-13.00	-36.90 Horizontal
3	3358.00	-53.98	RMS	29.78	-24.89	0.40	-95.23	35.96	-13.00	-40.98 Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

: LTE Band 5 10M Ch20600 1RB0 QPSK

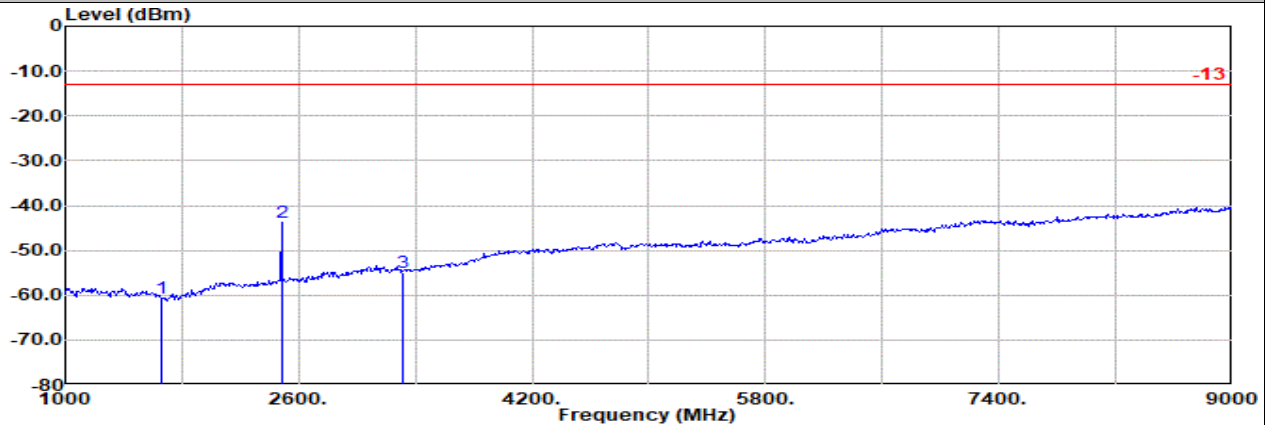
	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	1679.00	-60.31	RMS	25.40	-27.16	0.73	-95.23	35.95	-13.00	-47.31 Vertical
2	2518.00	-51.67	RMS	28.28	-26.18	0.49	-95.23	40.97	-13.00	-38.67 Vertical
3	3358.00	-54.17	RMS	29.78	-24.89	0.40	-95.23	35.77	-13.00	-41.17 Vertical

Main Antenna

Part 22H Mode 7

LTE B26 10M Ch26840 1RB0 QPSK

L

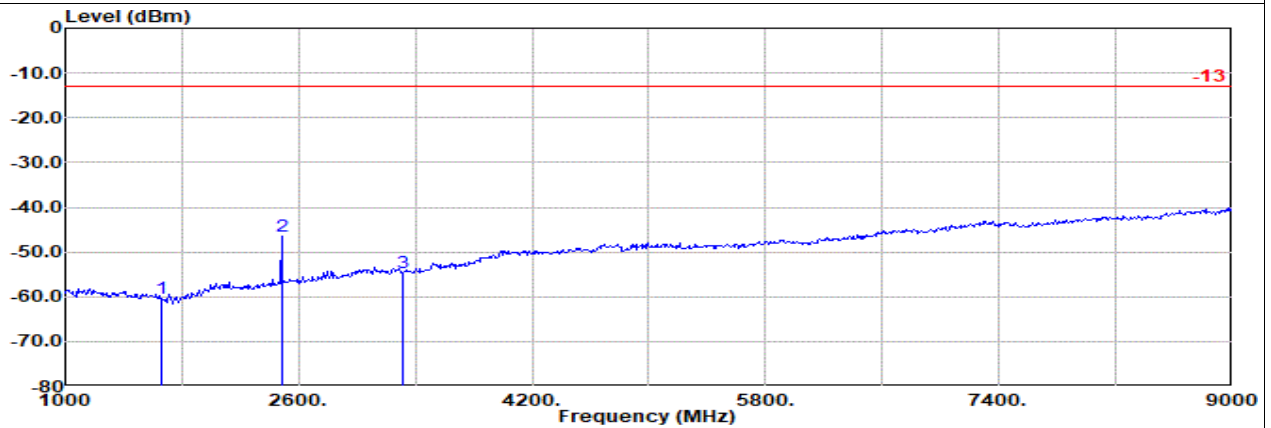


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

: LTE Band 26 10M Ch26840 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm									
1	1654.00	-60.74	RMS	25.30	-27.22	0.75	-95.23	35.66	-13.00	-47.74	Horizontal
2	2481.00	-43.85	RMS	27.91	-26.24	0.51	-95.23	49.20	-13.00	-30.85	Horizontal
3	3308.00	-54.87	RMS	29.80	-25.02	0.40	-95.23	35.18	-13.00	-41.87	Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

: LTE Band 26 10M Ch26840 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm									
1	1654.00	-60.45	RMS	25.30	-27.22	0.75	-95.23	35.95	-13.00	-47.45	Vertical
2	2481.00	-46.35	RMS	27.91	-26.24	0.51	-95.23	46.70	-13.00	-33.35	Vertical
3	3308.00	-54.61	RMS	29.80	-25.02	0.40	-95.23	35.44	-13.00	-41.61	Vertical

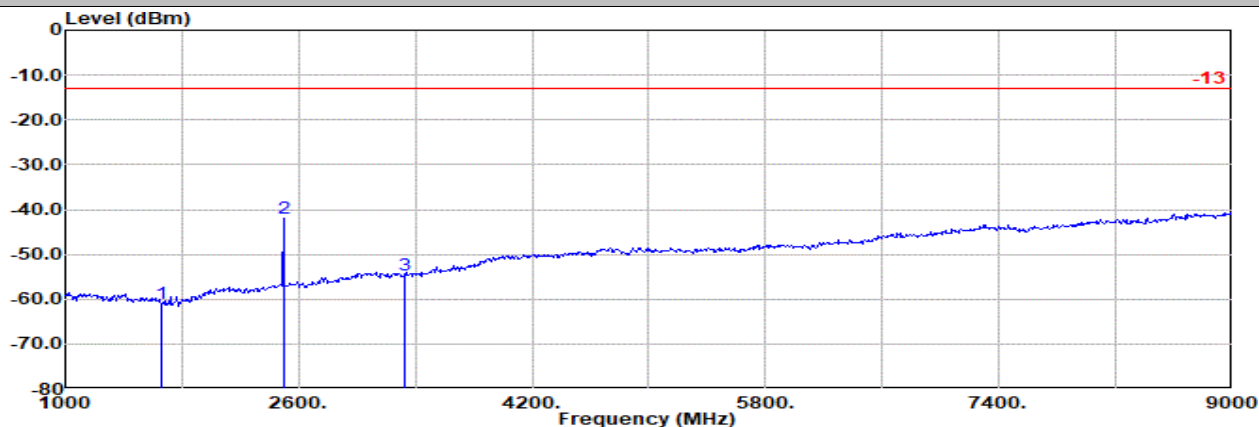


Main Antenna

Part 22H Mode 7

LTE B26 10M Ch26915 1RB0 QPSK

M

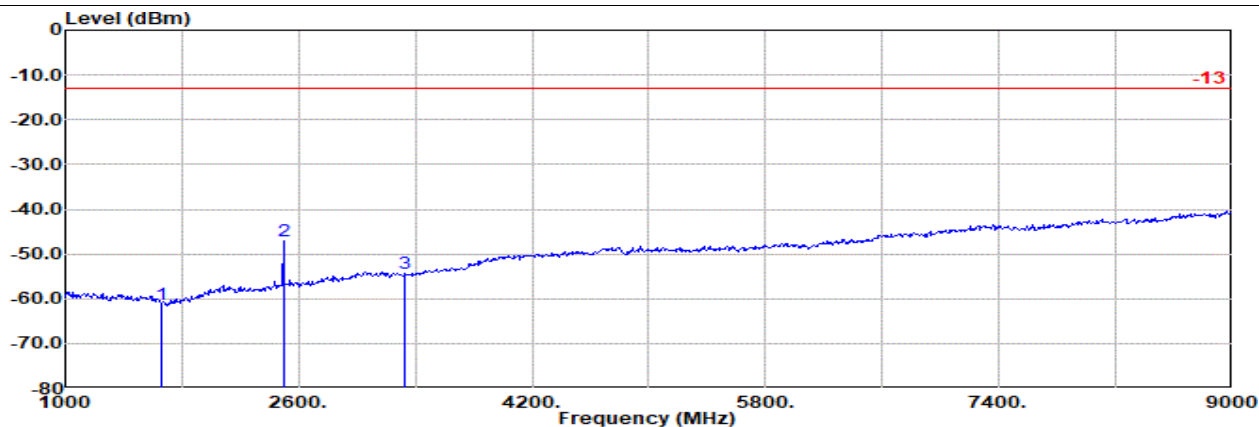


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

: LTE Band 26 10M Ch26915 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	1664.00	-61.13	RMS	25.34	-27.19	0.74	-95.23	35.21	-13.00	-48.13
2	2496.00	-42.03	RMS	28.06	-26.20	0.50	-95.23	50.84	-13.00	-29.03
3	3328.00	-54.73	RMS	29.80	-24.97	0.40	-95.23	35.27	-13.00	-41.73



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

: LTE Band 26 10M Ch26915 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	1664.00	-61.30	RMS	25.34	-27.19	0.74	-95.23	35.04	-13.00	-48.30
2	2496.00	-47.04	RMS	28.06	-26.20	0.50	-95.23	45.83	-13.00	-34.04
3	3328.00	-54.47	RMS	29.80	-24.97	0.40	-95.23	35.53	-13.00	-41.47

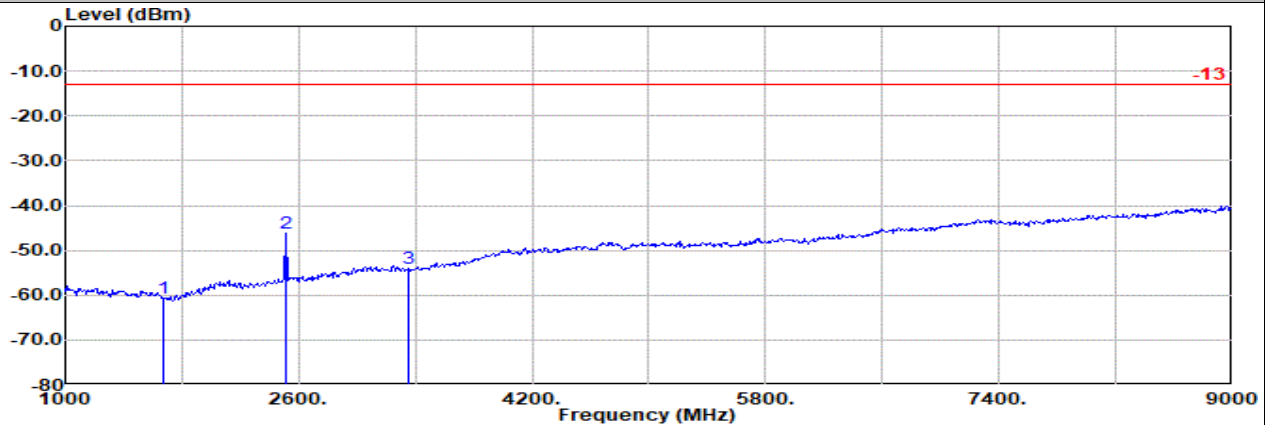


Main Antenna

Part 22H Mode 7

LTE B26 10M Ch26990 1RB0 QPSK

H

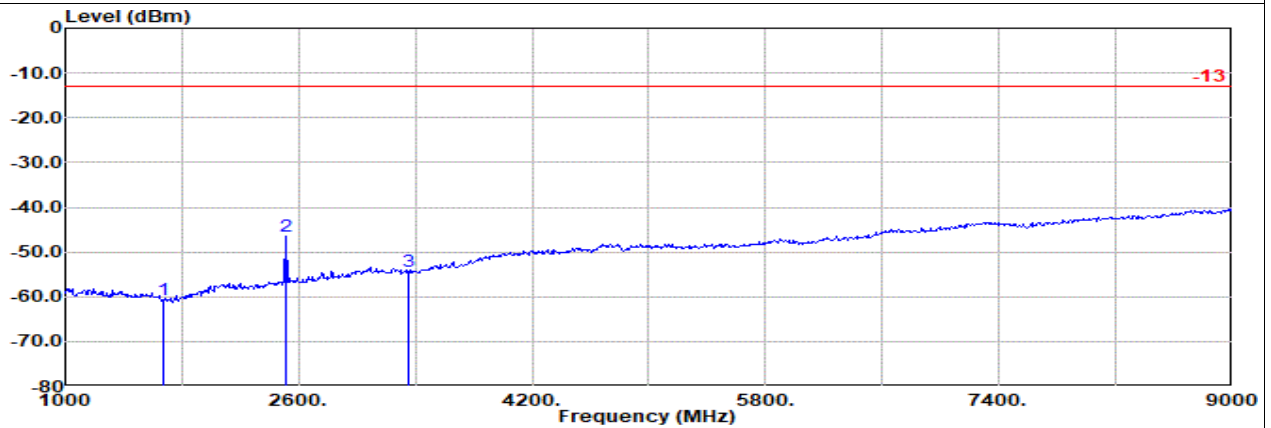


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

: LTE Band 26 10M Ch26990 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF		Reading	Limit	Margin Pol	
				Factor	1	dB	dB				
1	1674.00	-60.72	RMS	25.40	-27.17	0.74	-95.23	35.54	-13.00	-47.72	Horizontal
2	2511.00	-46.24	RMS	28.21	-26.19	0.50	-95.23	46.47	-13.00	-33.24	Horizontal
3	3348.00	-54.06	RMS	29.80	-24.92	0.40	-95.23	35.89	-13.00	-41.06	Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

: LTE Band 26 10M Ch26990 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF		Reading	Limit	Margin Pol	
				Factor	1	dB	dB				
1	1674.00	-60.82	RMS	25.40	-27.17	0.74	-95.23	35.44	-13.00	-47.82	Vertical
2	2511.00	-46.43	RMS	28.21	-26.19	0.50	-95.23	46.28	-13.00	-33.43	Vertical
3	3348.00	-54.27	RMS	29.80	-24.92	0.40	-95.23	35.68	-13.00	-41.27	Vertical

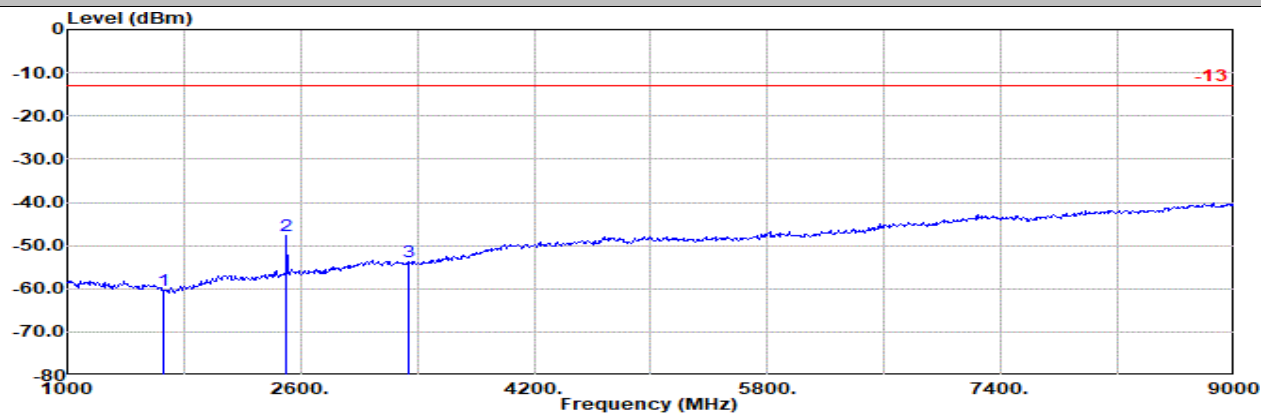


Main Antenna

Part 22H Mode 8

LTE CA B5B 10M + 10M Ch20450 1RB49 QPSK + Ch20549 1RB0 QPSK

L



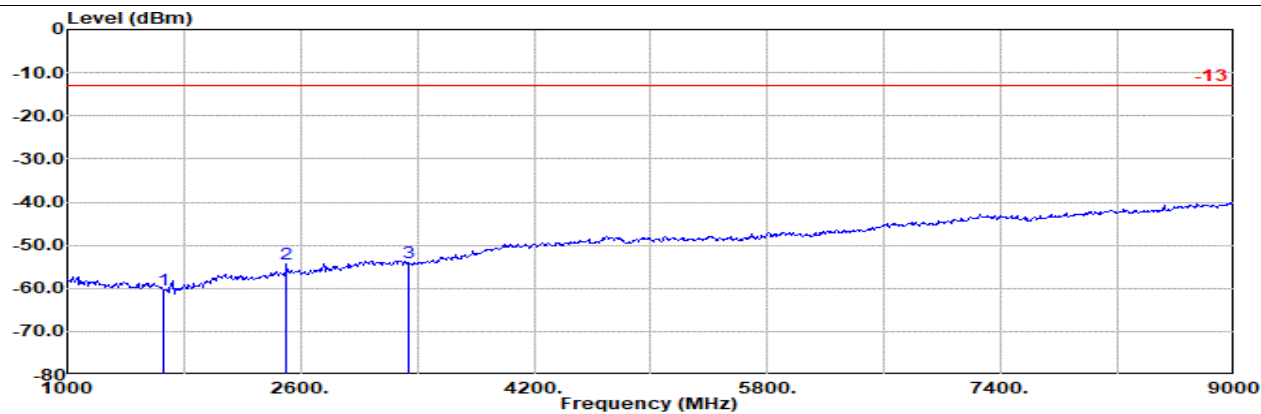
Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

: LTE Band 5B 10M Ch20450 1RB49 QPSK

: LTE Band 5B 10M Ch20549 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF		Readin	Limit	Margin		Pol
				Factor	1	dB	dB					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB		
1	1664.00	-60.52	RMS	25.34	-27.19	0.74	-95.23	35.82	-13.00	-47.52	Horizontal	
2	2504.00	-47.76	RMS	28.14	-26.19	0.50	-95.23	45.02	-13.00	-34.76	Horizontal	
3	3336.00	-53.88	RMS	29.80	-24.95	0.40	-95.23	36.10	-13.00	-40.88	Horizontal	



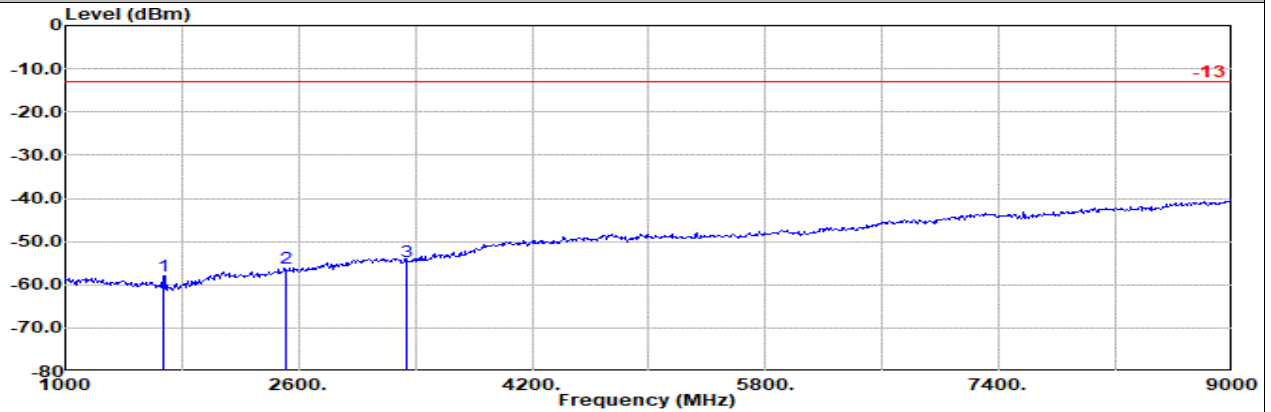
Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

: LTE Band 5B 10M Ch20450 1RB49 QPSK

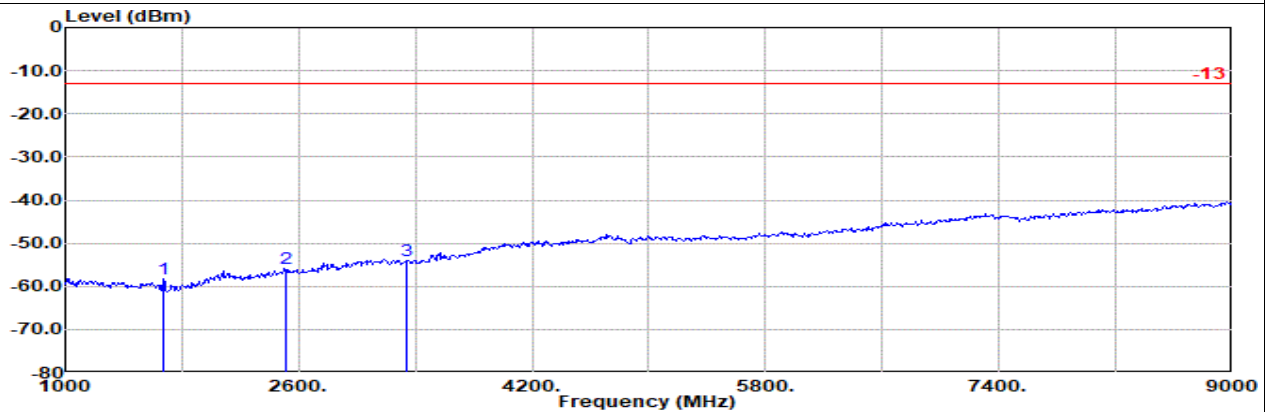
: LTE Band 5B 10M Ch20549 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF		Readin	Limit	Margin		Pol
				Factor	1	dB	dB					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB		
1	1664.00	-60.50	RMS	25.34	-27.19	0.74	-95.23	35.84	-13.00	-47.50	Vertical	
2	2504.00	-54.46	RMS	28.14	-26.19	0.50	-95.23	38.32	-13.00	-41.46	Vertical	
3	3336.00	-54.06	RMS	29.80	-24.95	0.40	-95.23	35.92	-13.00	-41.06	Vertical	

Main Antenna
Part 22H Mode 8
LTE CA B5B 10M + 10M Ch20476 1RB49 QPSK + Ch20575 1RB0 QPSK
M


Site : 03CH12-HY
Condition: -13 3m 9120D-02114-240711 Horizontal
: LTE Band 5B 10M Ch20476 1RB49 QPSK
: LTE Band 5B 10M Ch20575 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	1672.00	-58.09	RMS	25.40	-27.17	0.74	-95.23	38.17	-13.00	-45.09	Horizontal
2	2508.00	-56.21	RMS	28.18	-26.19	0.50	-95.23	36.53	-13.00	-43.21	Horizontal
3	3344.00	-54.71	RMS	29.80	-24.93	0.40	-95.23	35.25	-13.00	-41.71	Horizontal



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-240711 Vertical
: LTE Band 5B 10M Ch20476 1RB49 QPSK
: LTE Band 5B 10M Ch20575 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	1672.00	-58.28	RMS	25.40	-27.17	0.74	-95.23	37.98	-13.00	-45.28	Vertical
2	2508.00	-56.00	RMS	28.18	-26.19	0.50	-95.23	36.74	-13.00	-43.00	Vertical
3	3344.00	-54.15	RMS	29.80	-24.93	0.40	-95.23	35.81	-13.00	-41.15	Vertical

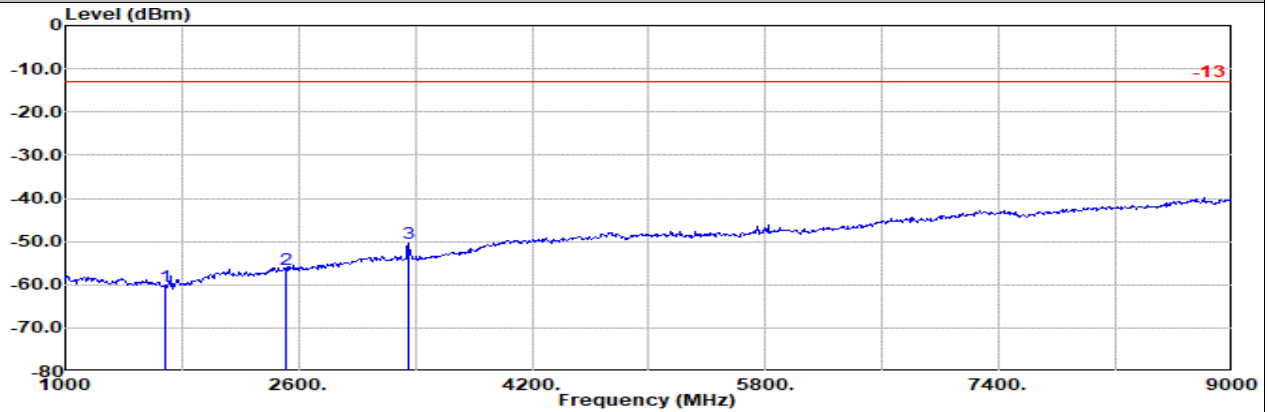


Main Antenna

Part 22H Mode 8

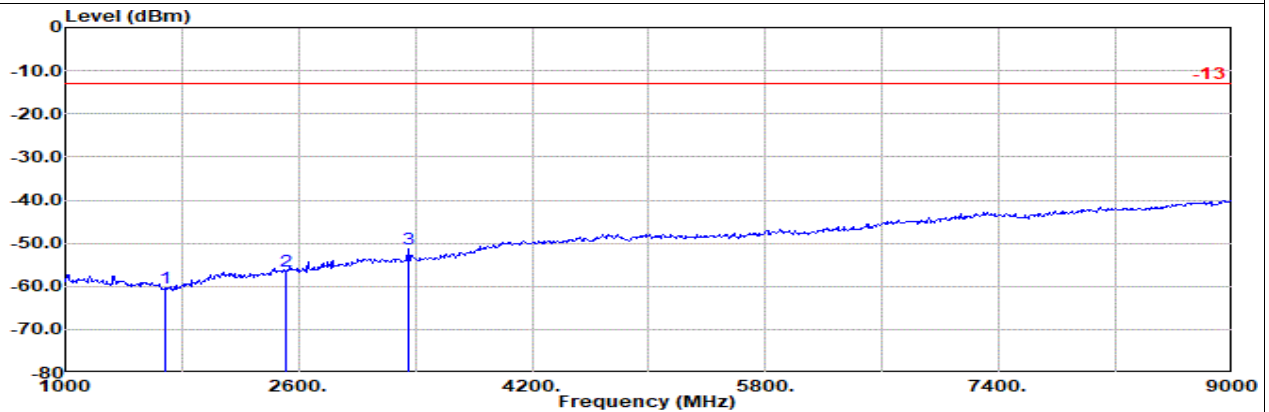
LTE CA B5B 10M + 10M Ch20501 1RB49 QPSK + Ch20600 1RB0 QPSK

H



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-240711 Horizontal
: LTE Band 5B 10M Ch20501 1RB49 QPSK
: LTE Band 5B 10M Ch20600 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin	Pol
				Factor	Amp\Cb		1					
	MHz	dBm		dB/m	dB	dB	dB	dB	dBuV	dBm	dB	
1	1680.00	-60.37	RMS	25.40	-27.16	0.73	-95.23	35.89	-13.00	-47.37	Horizontal	
2	2512.00	-56.43	RMS	28.22	-26.19	0.50	-95.23	36.27	-13.00	-43.43	Horizontal	
3	3352.00	-50.31	RMS	29.80	-24.91	0.40	-95.23	39.63	-13.00	-37.31	Horizontal	



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-240711 Vertical
: LTE Band 5B 10M Ch20501 1RB49 QPSK
: LTE Band 5B 10M Ch20600 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin	Pol
				Factor	Amp\Cb		1					
	MHz	dBm		dB/m	dB	dB	dB	dB	dBuV	dBm	dB	
1	1680.00	-60.23	RMS	25.40	-27.16	0.73	-95.23	36.03	-13.00	-47.23	Vertical	
2	2512.00	-56.53	RMS	28.22	-26.19	0.50	-95.23	36.17	-13.00	-43.53	Vertical	
3	3352.00	-51.31	RMS	29.80	-24.91	0.40	-95.23	38.63	-13.00	-38.31	Vertical	

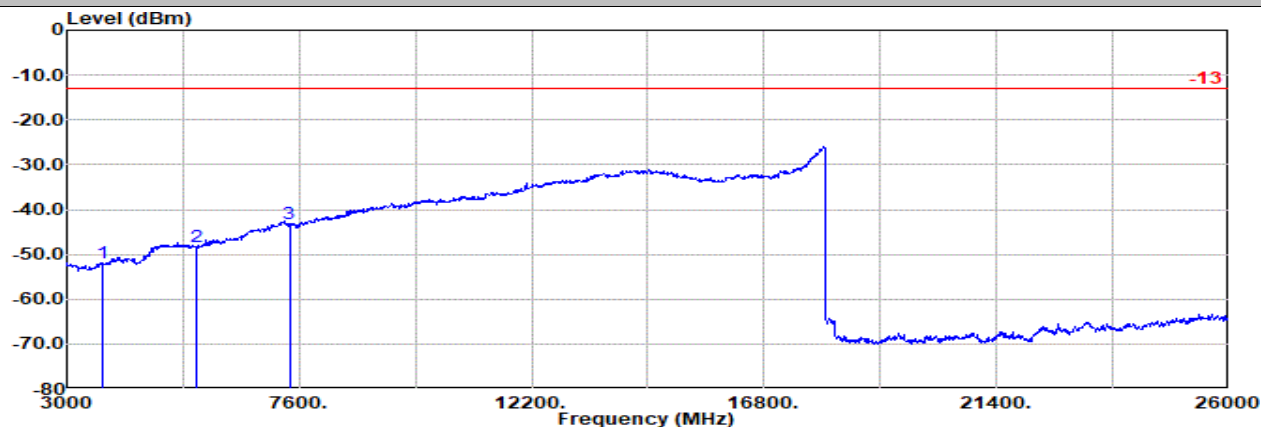


Main Antenna

Part 24E Mode 14

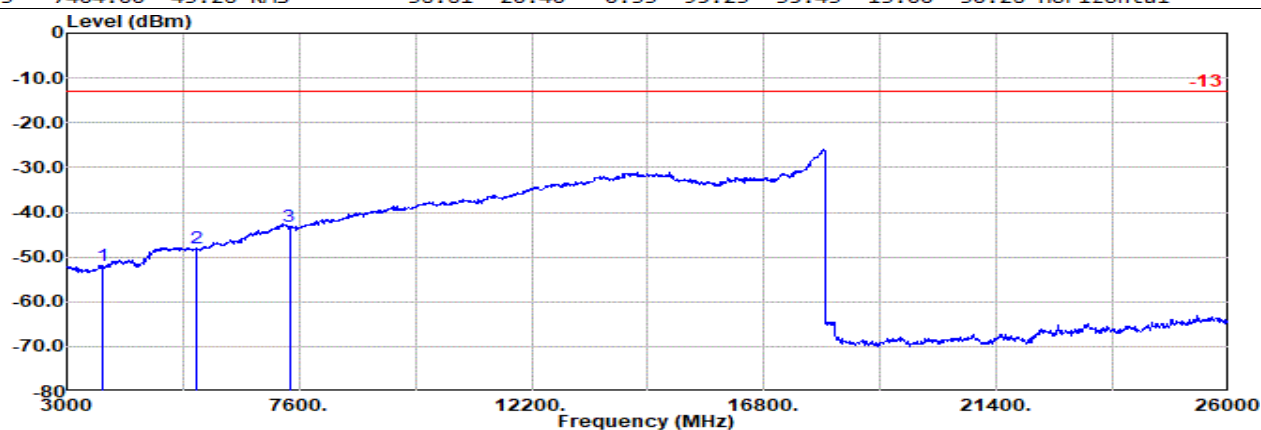
LTE B25 20M Ch26140 1RB0 QPSK

L



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 25 20M Ch26140 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	3702.00	-51.99	RMS	29.91	-23.55	0.76	-95.23	36.12	-13.00	-38.99 Horizontal
2	5553.00	-48.27	RMS	33.10	-21.91	0.40	-95.23	35.37	-13.00	-35.27 Horizontal
3	7404.00	-43.26	RMS	36.61	-20.40	0.33	-95.23	35.43	-13.00	-30.26 Horizontal



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 25 20M Ch26140 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	3702.00	-51.93	RMS	29.91	-23.55	0.76	-95.23	36.18	-13.00	-38.93 Vertical
2	5553.00	-48.02	RMS	33.10	-21.91	0.40	-95.23	35.62	-13.00	-35.02 Vertical
3	7404.00	-43.04	RMS	36.61	-20.40	0.33	-95.23	35.65	-13.00	-30.04 Vertical

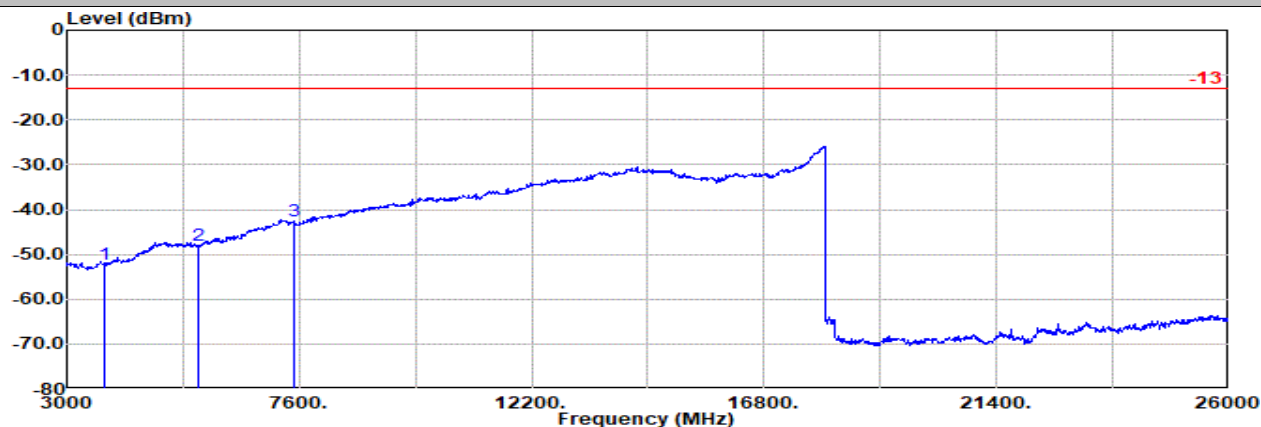


Main Antenna

Part 24E Mode 14

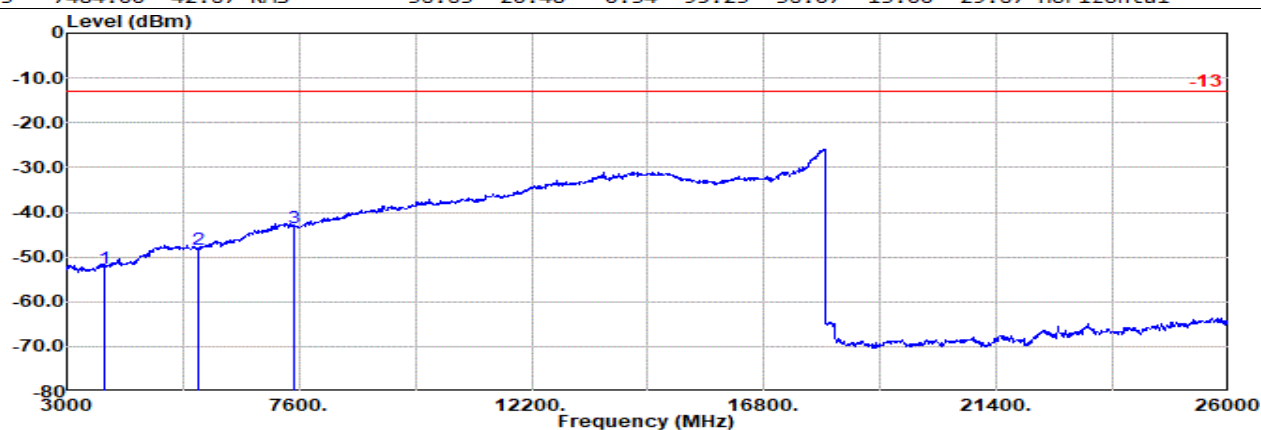
LTE B25 20M Ch26340 1RB0 QPSK

M



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 25 20M Ch26340 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	3742.00	-52.31	RMS	30.07	-23.51	0.72	-95.23	35.64	-13.00	-39.31 Horizontal
2	5613.00	-48.14	RMS	33.13	-22.05	0.39	-95.23	35.62	-13.00	-35.14 Horizontal
3	7484.00	-42.67	RMS	36.63	-20.48	0.34	-95.23	36.07	-13.00	-29.67 Horizontal



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 25 20M Ch26340 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	3742.00	-52.46	RMS	30.07	-23.51	0.72	-95.23	35.49	-13.00	-39.46 Vertical
2	5613.00	-48.16	RMS	33.13	-22.05	0.39	-95.23	35.60	-13.00	-35.16 Vertical
3	7484.00	-43.37	RMS	36.63	-20.48	0.34	-95.23	35.37	-13.00	-30.37 Vertical

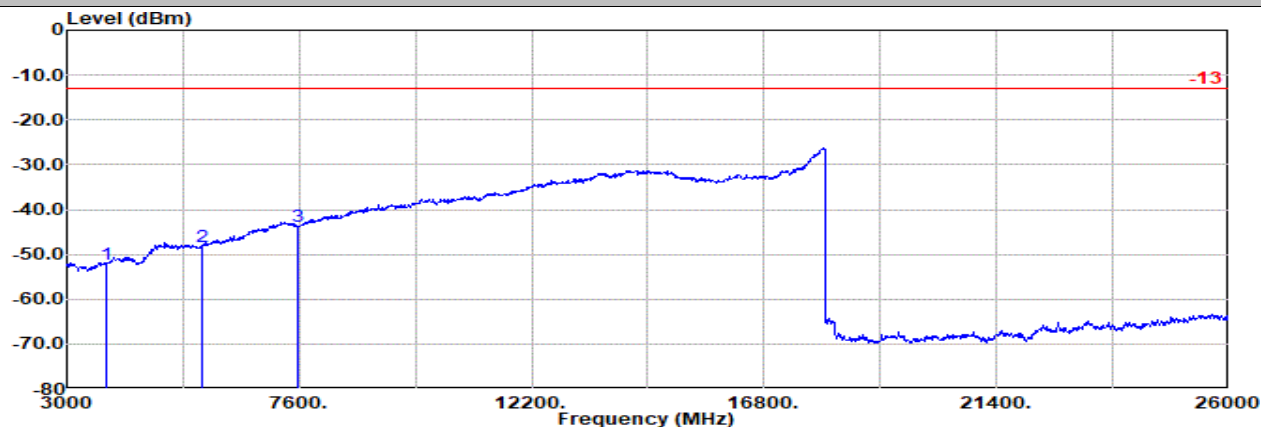


Main Antenna

Part 24E Mode 14

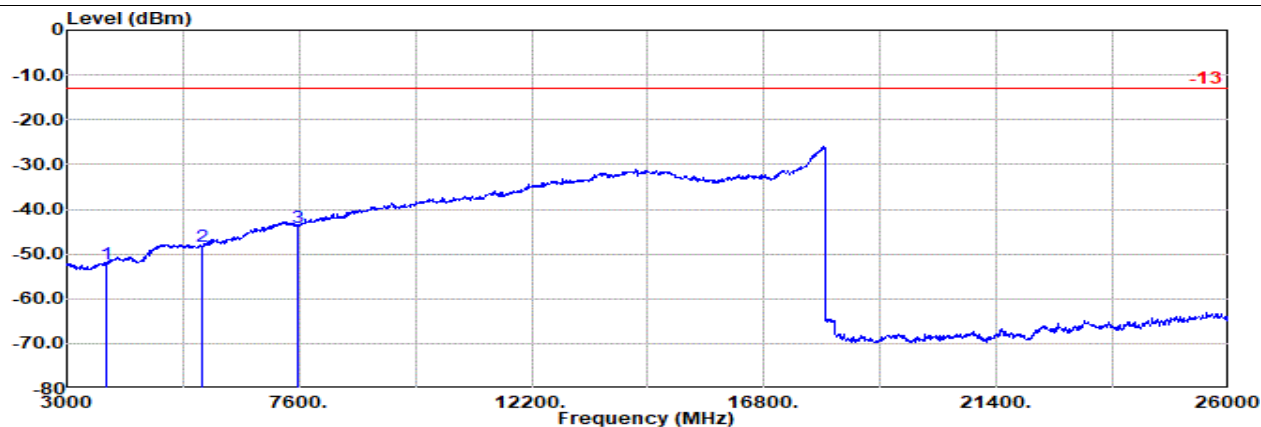
LTE B25 20M Ch26590 1RB0 QPSK

H



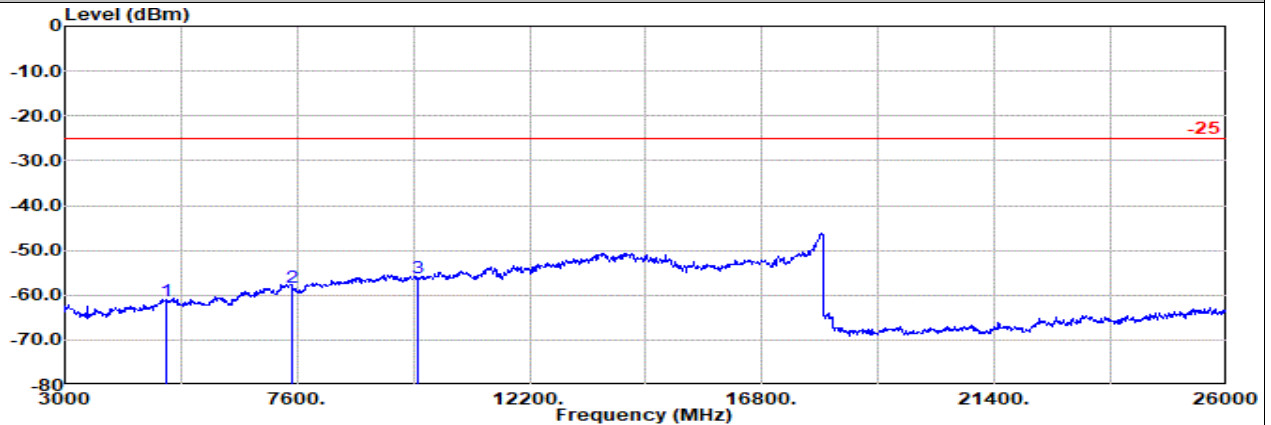
Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 25 20M Ch26590 1RB0 QPSK

	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	3782.00	-52.16	RMS	30.36	-23.46	0.68	-95.23	35.49	-13.00	-39.16 Horizontal
2	5673.00	-48.22	RMS	33.38	-22.13	0.39	-95.23	35.37	-13.00	-35.22 Horizontal
3	7564.00	-43.91	RMS	36.33	-20.50	0.35	-95.23	35.14	-13.00	-30.91 Horizontal



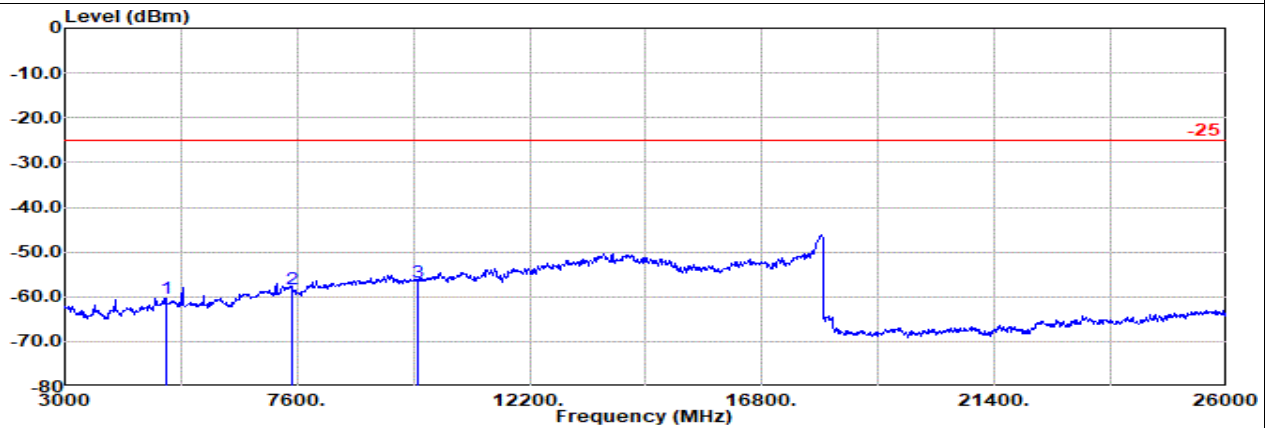
Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 25 20M Ch26590 1RB0 QPSK

	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	3782.00	-52.16	RMS	30.36	-23.46	0.68	-95.23	35.49	-13.00	-39.16 Vertical
2	5673.00	-48.21	RMS	33.38	-22.13	0.39	-95.23	35.38	-13.00	-35.21 Vertical
3	7564.00	-43.95	RMS	36.33	-20.50	0.35	-95.23	35.10	-13.00	-30.95 Vertical

Main Antenna
Part 27M Mode 27
LTE B7 20M Ch20850 1RB0 QPSK
L


Site : 03CH12-HY
Condition: -25 3m 9120D-02114-240711 Horizontal
: LTE Band 7 20M Ch20850 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	5002.00	-61.41	RMS	33.39	-55.67	0.47	-95.23	55.63	-25.00	-36.41 Horizontal
2	7503.00	-58.21	RMS	36.58	-51.72	0.35	-95.23	51.81	-25.00	-33.21 Horizontal
3	10004.00	-56.04	RMS	38.31	-50.88	0.47	-95.23	51.29	-25.00	-31.04 Horizontal



Site : 03CH12-HY
Condition: -25 3m 9120D-02114-240711 Vertical
: LTE Band 7 20M Ch20850 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	5002.00	-60.31	RMS	33.39	-55.67	0.47	-95.23	56.73	-25.00	-35.31 Vertical
2	7503.00	-58.32	RMS	36.58	-51.72	0.35	-95.23	51.70	-25.00	-33.32 Vertical
3	10004.00	-56.61	RMS	38.31	-50.88	0.47	-95.23	50.72	-25.00	-31.61 Vertical

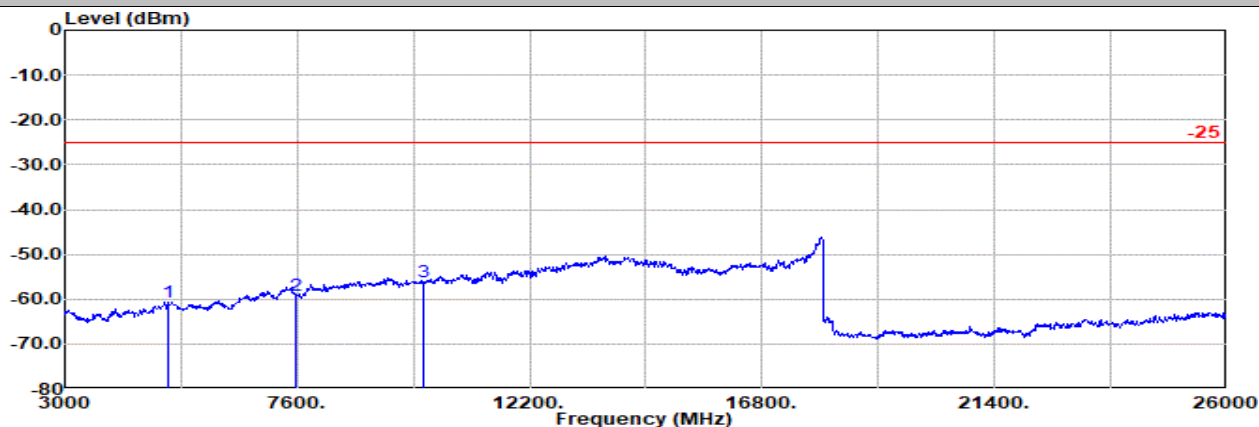


Main Antenna

Part 27M Mode 27

LTE B7 20M Ch21100 1RB0 QPSK

M

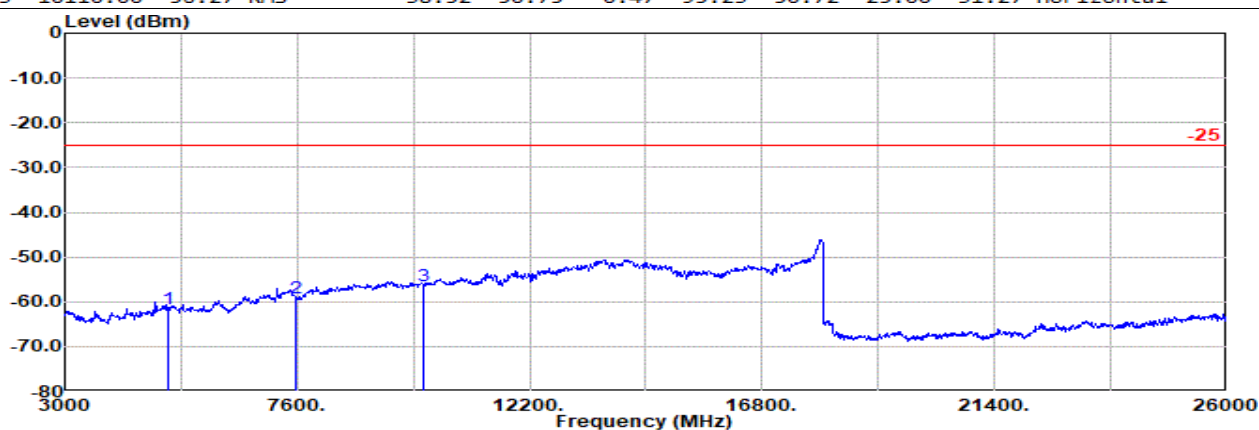


Site : 03CH12-HY

Condition: -25 3m 9120D-02114-240711 Horizontal

: LTE Band 7 20M Ch21100 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	5055.00	-60.82	RMS	33.20	-55.49	0.47	-95.23	56.23	-25.00	-35.82 Horizontal
2	7575.00	-59.15	RMS	36.35	-51.73	0.36	-95.23	51.10	-25.00	-34.15 Horizontal
3	10110.00	-56.27	RMS	38.52	-50.75	0.47	-95.23	50.72	-25.00	-31.27 Horizontal



Site : 03CH12-HY

Condition: -25 3m 9120D-02114-240711 Vertical

: LTE Band 7 20M Ch21100 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	5055.00	-61.49	RMS	33.20	-55.49	0.47	-95.23	55.56	-25.00	-36.49 Vertical
2	7575.00	-59.29	RMS	36.35	-51.73	0.36	-95.23	50.96	-25.00	-34.29 Vertical
3	10110.00	-56.36	RMS	38.52	-50.75	0.47	-95.23	50.63	-25.00	-31.36 Vertical

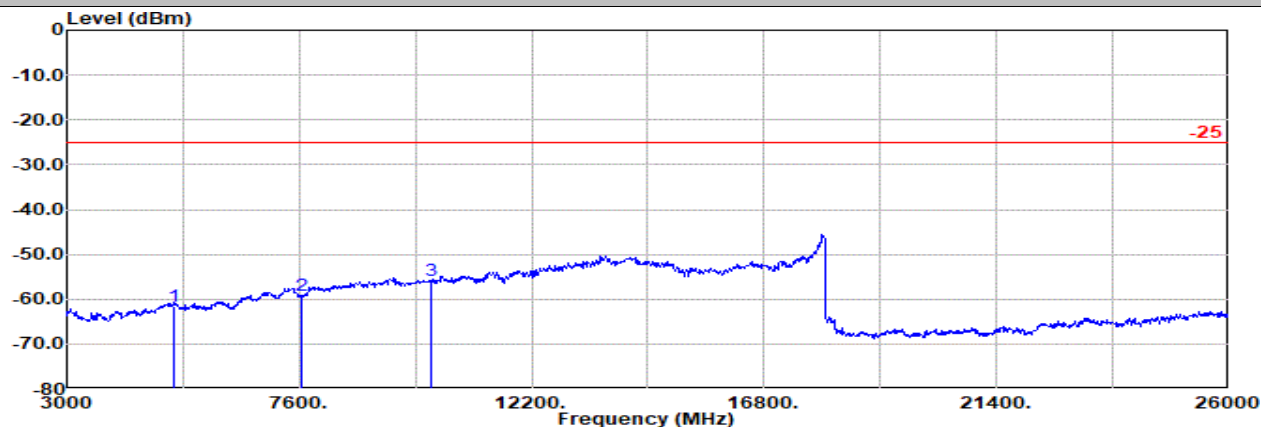


Main Antenna

Part 27M Mode 27

LTE B7 20M Ch21350 1RB0 QPSK

H

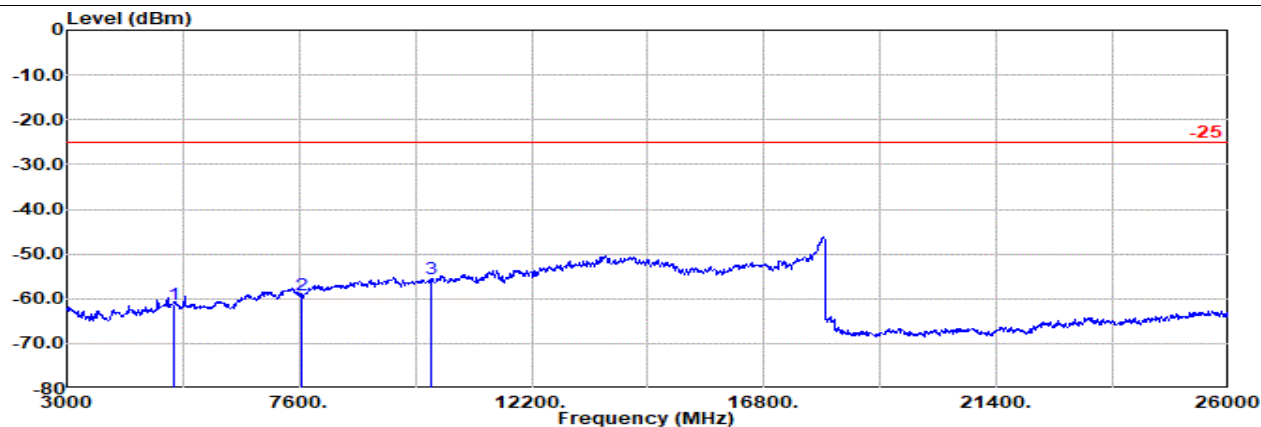


Site : 03CH12-HY

Condition: -25 3m 9120D-02114-240711 Horizontal

: LTE Band 7 20M Ch21350 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	5102.00	-61.46	RMS	33.21	-55.33	0.47	-95.23	55.42	-25.00	-36.46 Horizontal
2	7653.00	-59.24	RMS	36.51	-51.75	0.37	-95.23	50.86	-25.00	-34.24 Horizontal
3	10204.00	-55.96	RMS	38.80	-50.63	0.46	-95.23	50.64	-25.00	-30.96 Horizontal

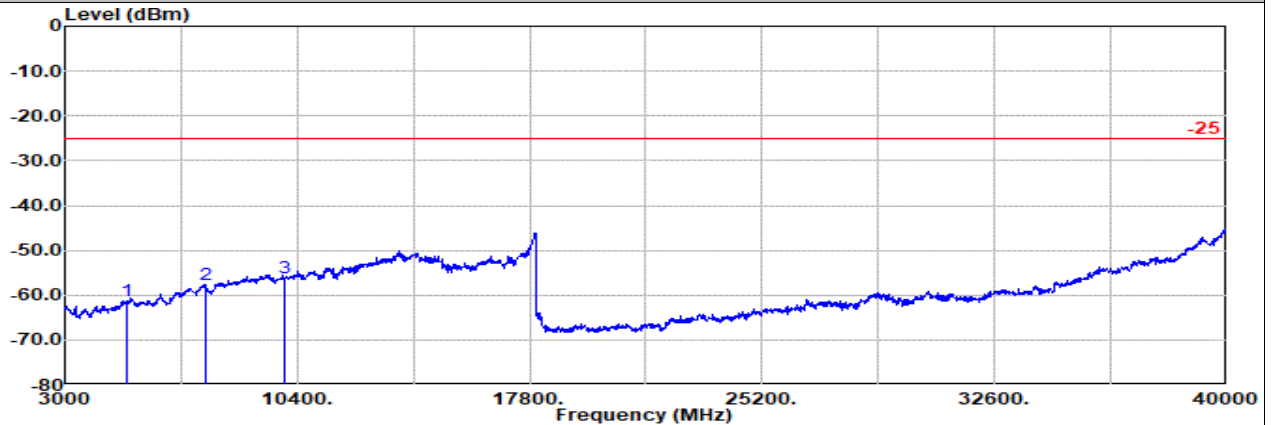


Site : 03CH12-HY

Condition: -25 3m 9120D-02114-240711 Vertical

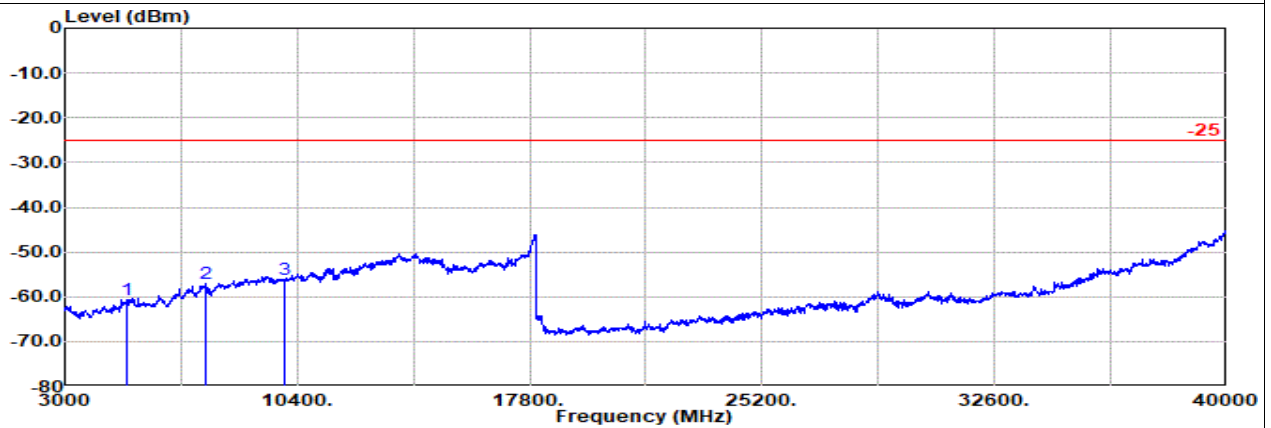
: LTE Band 7 20M Ch21350 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	5102.00	-61.39	RMS	33.21	-55.33	0.47	-95.23	55.49	-25.00	-36.39 Vertical
2	7653.00	-59.20	RMS	36.51	-51.75	0.37	-95.23	50.90	-25.00	-34.20 Vertical
3	10204.00	-55.67	RMS	38.80	-50.63	0.46	-95.23	50.93	-25.00	-30.67 Vertical

Main Antenna
Part 27M Mode 29
LTE B41 20M Ch39750 1RB0 QPSK
L


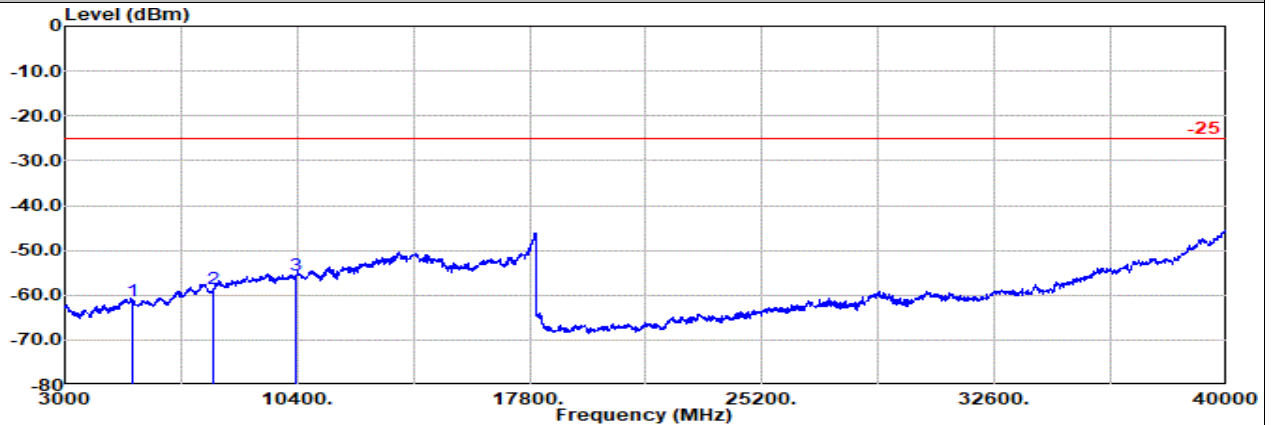
Site : 03CH12-HY
Condition: -25 3m 9120D-02114-240711 Horizontal
: LTE Band 41 20M Ch39750 1RB0 QPSK

	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	4994.00	-61.39	RMS	33.39	-55.66	0.47	-95.23	55.64	-25.00	-36.39 Horizontal
2	7491.00	-57.76	RMS	36.62	-51.71	0.34	-95.23	52.22	-25.00	-32.76 Horizontal
3	9988.00	-56.27	RMS	38.25	-50.91	0.47	-95.23	51.15	-25.00	-31.27 Horizontal



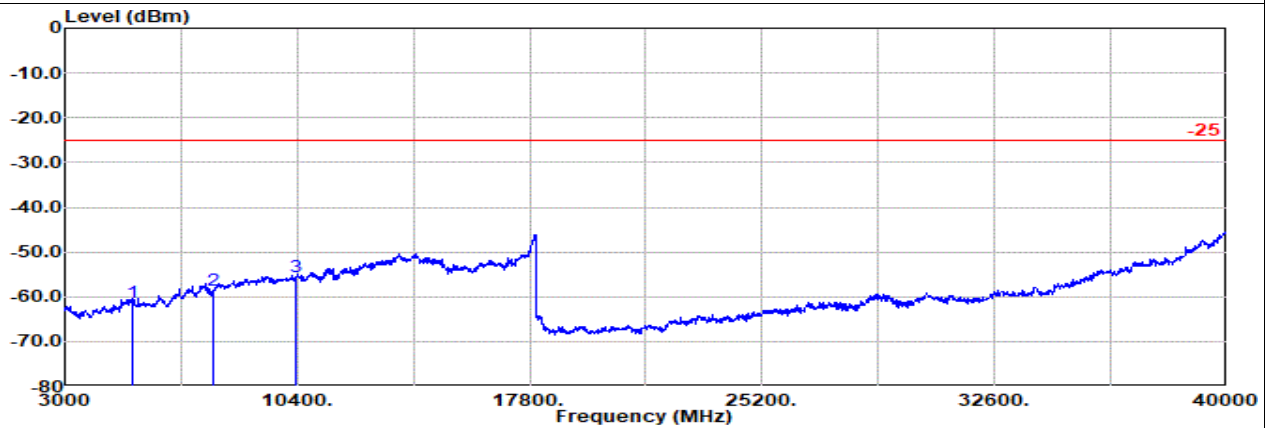
Site : 03CH12-HY
Condition: -25 3m 9120D-02114-240711 Vertical
: LTE Band 41 20M Ch39750 1RB0 QPSK

	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	4994.00	-60.63	RMS	33.39	-55.66	0.47	-95.23	56.40	-25.00	-35.63 Vertical
2	7491.00	-57.18	RMS	36.62	-51.71	0.34	-95.23	52.80	-25.00	-32.18 Vertical
3	9988.00	-56.09	RMS	38.25	-50.91	0.47	-95.23	51.33	-25.00	-31.09 Vertical

Main Antenna
Part 27M Mode 29
LTE B41 20M Ch40620 1RB0 QPSK
M


Site : 03CH12-HY
Condition: -25 3m 9120D-02114-240711 Horizontal
: LTE Band 41 20M Ch40620 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	5168.00	-61.32	RMS	33.36	-55.10	0.47	-95.23	55.18	-25.00	-36.32	Horizontal
2	7752.00	-58.67	RMS	36.81	-51.79	0.40	-95.23	51.14	-25.00	-33.67	Horizontal
3	10336.00	-55.58	RMS	38.70	-50.47	0.46	-95.23	50.96	-25.00	-30.58	Horizontal



Site : 03CH12-HY
Condition: -25 3m 9120D-02114-240711 Vertical
: LTE Band 41 20M Ch40620 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	5168.00	-61.40	RMS	33.36	-55.10	0.47	-95.23	55.10	-25.00	-36.40	Vertical
2	7752.00	-58.49	RMS	36.81	-51.79	0.40	-95.23	51.32	-25.00	-33.49	Vertical
3	10336.00	-55.63	RMS	38.70	-50.47	0.46	-95.23	50.91	-25.00	-30.63	Vertical

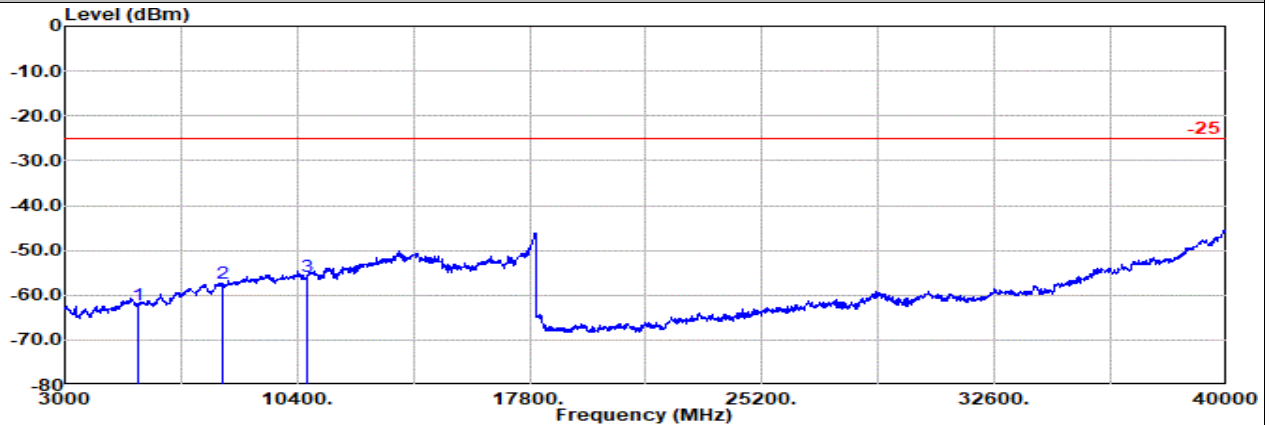


Main Antenna

Part 27M Mode 29

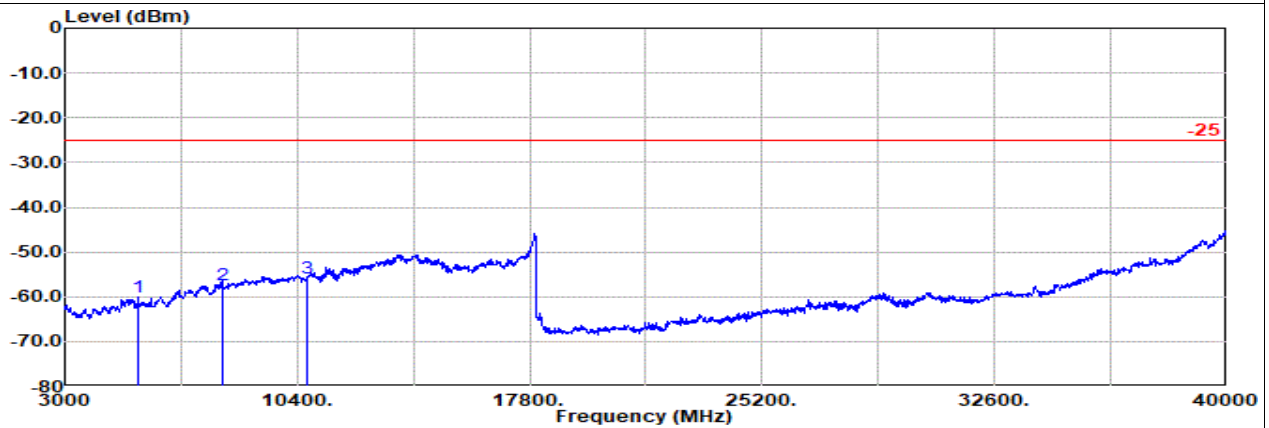
LTE B41 20M Ch41490 1RB0 QPSK

H



Site : 03CH12-HY
Condition: -25 3m 9120D-02114-240711 Horizontal
: LTE Band 41 20M Ch41490 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	5342.00	-62.13	RMS	33.08	-54.01	0.43	-95.23	53.60	-25.00	-37.13 Horizontal
2	8013.00	-57.40	RMS	37.20	-51.53	0.42	-95.23	51.74	-25.00	-32.40 Horizontal
3	10684.00	-55.86	RMS	39.20	-50.02	0.45	-95.23	49.74	-25.00	-30.86 Horizontal



Site : 03CH12-HY
Condition: -25 3m 9120D-02114-240711 Vertical
: LTE Band 41 20M Ch41490 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	5342.00	-60.19	RMS	33.08	-54.01	0.43	-95.23	55.54	-25.00	-35.19 Vertical
2	8013.00	-57.44	RMS	37.20	-51.53	0.42	-95.23	51.70	-25.00	-32.44 Vertical
3	10684.00	-55.94	RMS	39.20	-50.02	0.45	-95.23	49.66	-25.00	-30.94 Vertical

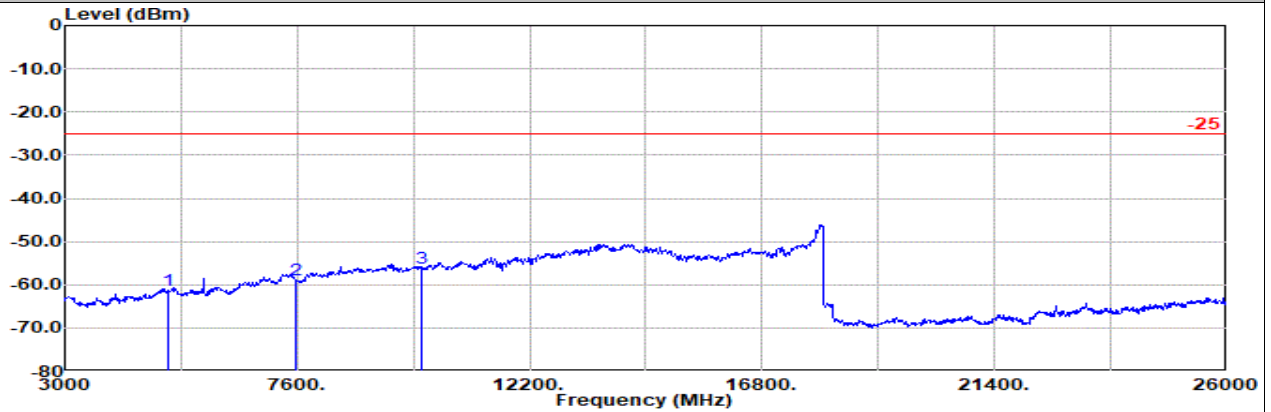


Main Antenna

Part 27M Mode 30

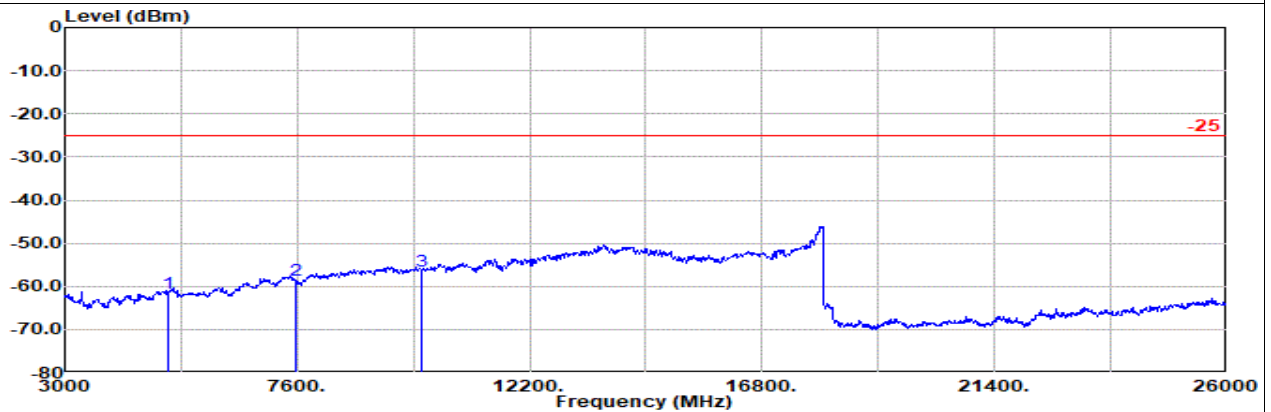
LTE CA B7C 20M + 20M Ch20850 1RB99 QPSK + Ch21048 1RB0 QPSK

L



Site : 03CH12-HY
Condition: -25 1m SHF_00993_231124 Horizontal
: LTE Band 7 20M Ch20850 1RB99 QPSK
: LTE Band 7 20M Ch21048 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin		Pol
				Factor	1								
	MHz	dBm							dBuV	dBm	dB		
1	5037.00	-61.22	RMS	33.25	-55.55	0.47	-95.23		55.84	-25.00	-36.22		Horizontal
2	7556.00	-58.72	RMS	36.31	-51.72	0.35	-95.23		51.57	-25.00	-33.72		Horizontal
3	10075.00	-56.17	RMS	38.45	-50.80	0.47	-95.23		50.94	-25.00	-31.17		Horizontal



Site : 03CH12-HY
Condition: -25 1m SHF_00993_231124 Vertical
: LTE Band 7 20M Ch20850 1RB99 QPSK
: LTE Band 7 20M Ch21048 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin		Pol
				Factor	1								
	MHz	dBm							dBuV	dBm	dB		
1	5037.00	-61.59	RMS	33.25	-55.55	0.47	-95.23		55.47	-25.00	-36.59		Vertical
2	7556.00	-58.67	RMS	36.31	-51.72	0.35	-95.23		51.62	-25.00	-33.67		Vertical
3	10075.00	-56.35	RMS	38.45	-50.80	0.47	-95.23		50.76	-25.00	-31.35		Vertical

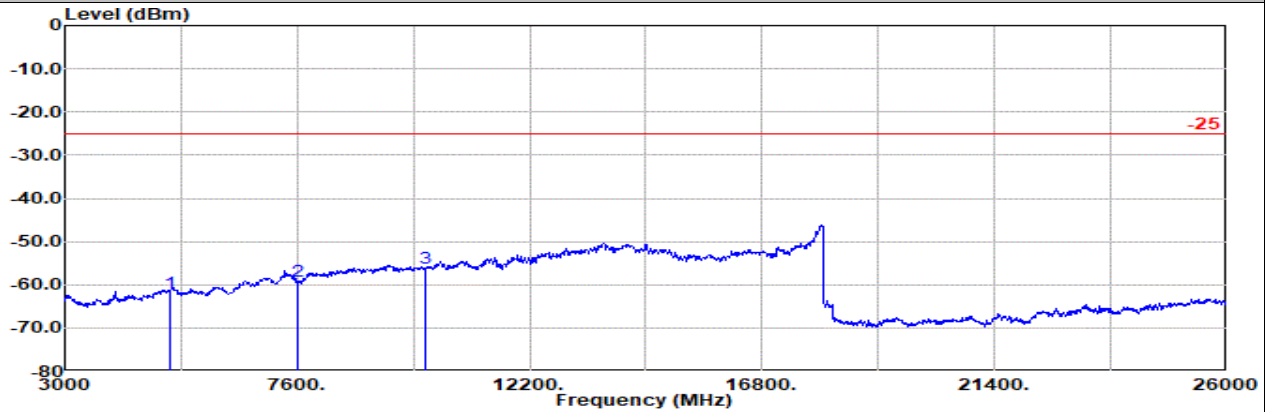


Main Antenna

Part 27M Mode 30

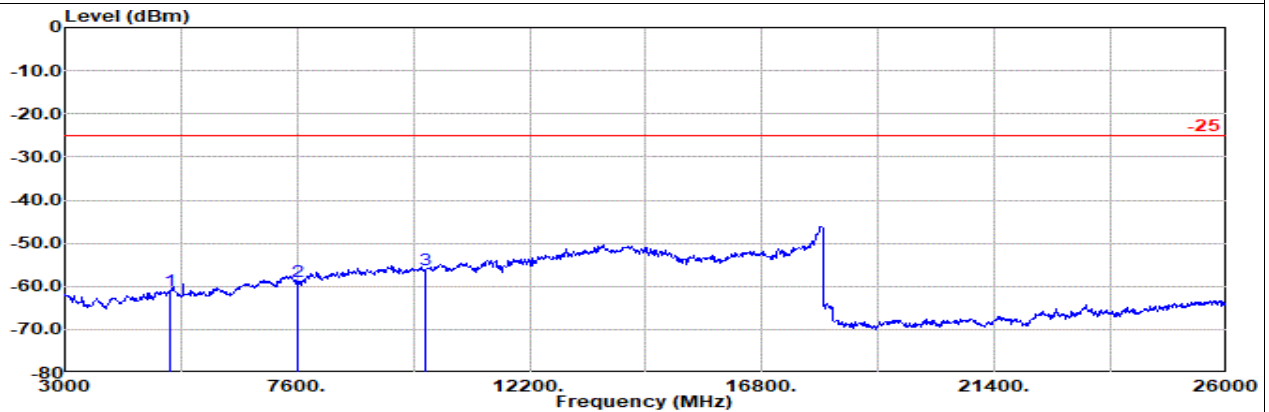
LTE CA B7C 20M + 20M Ch21001 1RB99 QPSK + Ch21199 1RB0 QPSK

M



Site : 03CH12-HY
Condition: -25 1m SHF_00993_231124 Horizontal
: LTE Band 7 20M Ch21001 1RB99 QPSK
: LTE Band 7 20M Ch21199 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin		Pol
				Factor	Amp\Cb		1						
	MHz	dBm											
1	5068.00	-61.77	RMS	33.20	-55.44	0.47	-95.23	55.23	-25.00	-36.77	Horizontal		
2	7602.00	-59.03	RMS	36.40	-51.73	0.36	-95.23	51.17	-25.00	-34.03	Horizontal		
3	10136.00	-56.24	RMS	38.57	-50.72	0.47	-95.23	50.67	-25.00	-31.24	Horizontal		



Site : 03CH12-HY
Condition: -25 1m SHF_00993_231124 Vertical
: LTE Band 7 20M Ch21001 1RB99 QPSK
: LTE Band 7 20M Ch21199 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin		Pol
				Factor	Amp\Cb		1						
	MHz	dBm											
1	5068.00	-60.98	RMS	33.20	-55.44	0.47	-95.23	56.02	-25.00	-35.98	Vertical		
2	7602.00	-58.89	RMS	36.40	-51.73	0.36	-95.23	51.31	-25.00	-33.89	Vertical		
3	10136.00	-56.12	RMS	38.57	-50.72	0.47	-95.23	50.79	-25.00	-31.12	Vertical		

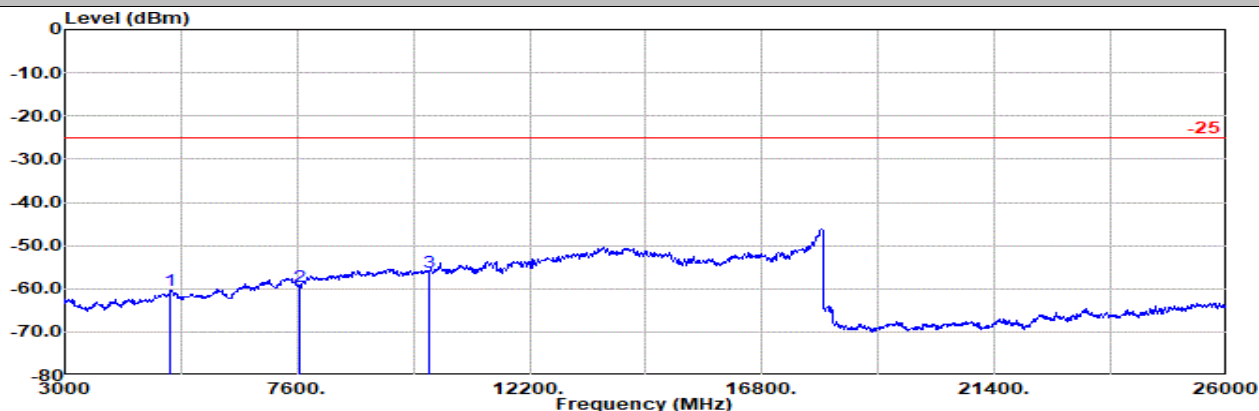


Main Antenna

Part 27M Mode 30

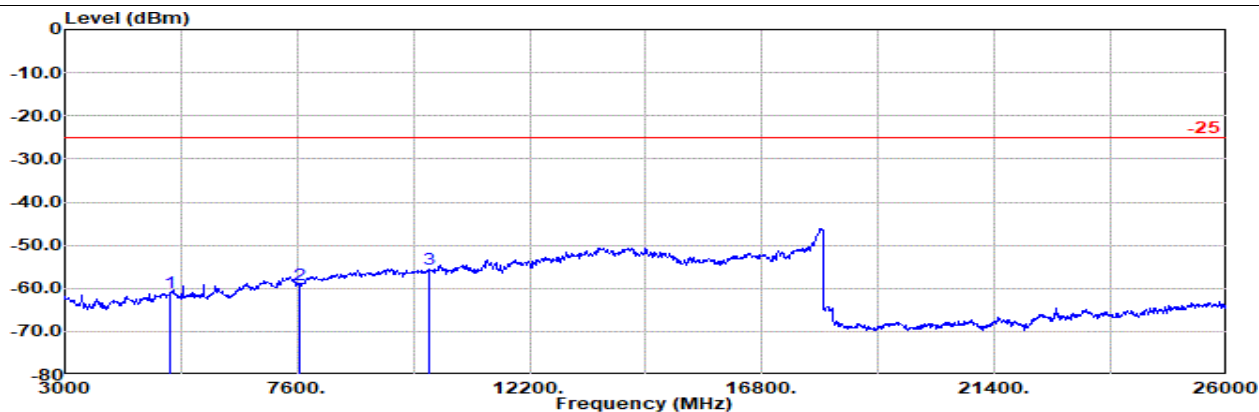
LTE CA B7C 20M + 20M Ch21152 1RB99 QPSK + Ch21350 1RB0 QPSK

H



Site : 03CH12-HY
Condition: -25 1m SHF_00993_231124 Horizontal
: LTE Band 7 20M Ch21152 1RB99 QPSK
: LTE Band 7 20M Ch21350 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin		Pol
				Factor	Amp\Cb		1						
	MHz	dBm											
1	5098.00	-60.37	RMS	33.20	-55.34	0.47	-95.23	56.53	-25.00	-35.37	Horizontal		
2	7647.00	-59.38	RMS	36.49	-51.75	0.37	-95.23	50.74	-25.00	-34.38	Horizontal		
3	10196.00	-56.07	RMS	38.78	-50.64	0.46	-95.23	50.56	-25.00	-31.07	Horizontal		



Site : 03CH12-HY
Condition: -25 1m SHF_00993_231124 Vertical
: LTE Band 7 20M Ch21152 1RB99 QPSK
: LTE Band 7 20M Ch21350 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin		Pol
				Factor	Amp\Cb		1						
	MHz	dBm											
1	5098.00	-60.96	RMS	33.20	-55.34	0.47	-95.23	55.94	-25.00	-35.96	Vertical		
2	7647.00	-59.27	RMS	36.49	-51.75	0.37	-95.23	50.85	-25.00	-34.27	Vertical		
3	10196.00	-55.59	RMS	38.78	-50.64	0.46	-95.23	51.04	-25.00	-30.59	Vertical		

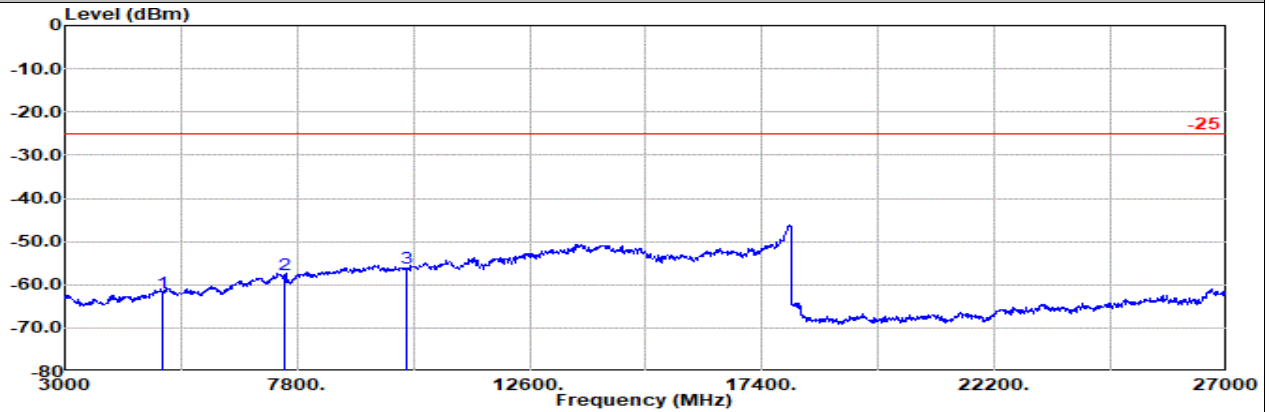


Main Antenna

Part 27M Mode 32

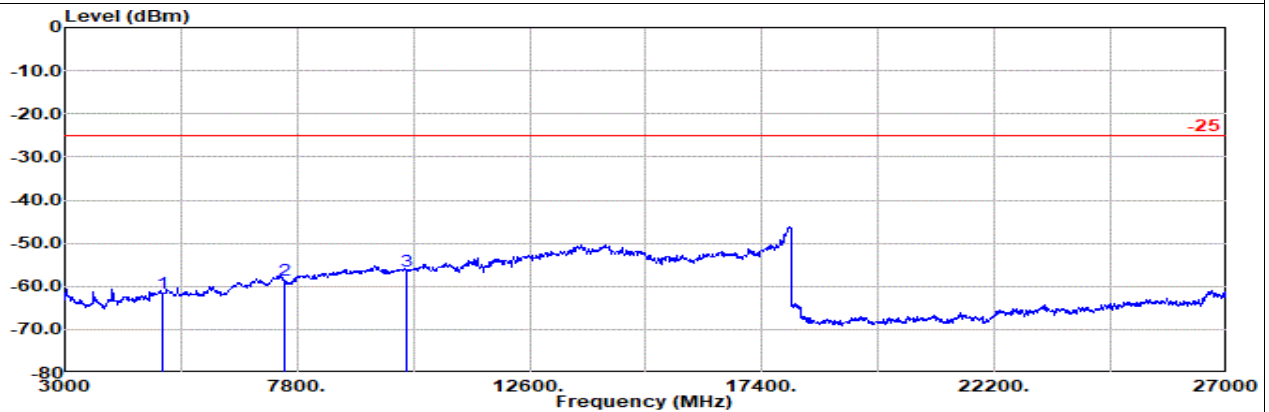
LTE CA B41C 20M + 20M Ch39750 1RB99 QPSK + Ch39948 1RB0 QPSK

L



Site : 03CH12-HY
Condition: -25 1m SHF_00993_231124 Horizontal
: LTE Band 41 20M Ch39750 1RB99 QPSK
: LTE Band 41 20M Ch39948 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	5029.00	-61.95	RMS	33.28	-55.58	0.47	-95.23	55.11	-25.00	-36.95	Horizontal
2	7544.00	-57.78	RMS	36.34	-51.72	0.35	-95.23	52.48	-25.00	-32.78	Horizontal
3	10059.00	-56.25	RMS	38.42	-50.82	0.47	-95.23	50.91	-25.00	-31.25	Horizontal



Site : 03CH12-HY
Condition: -25 1m SHF_00993_231124 Vertical
: LTE Band 41 20M Ch39750 1RB99 QPSK
: LTE Band 41 20M Ch39948 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	5029.00	-61.66	RMS	33.28	-55.58	0.47	-95.23	55.40	-25.00	-36.66	Vertical
2	7544.00	-58.52	RMS	36.34	-51.72	0.35	-95.23	51.74	-25.00	-33.52	Vertical
3	10059.00	-56.38	RMS	38.42	-50.82	0.47	-95.23	50.78	-25.00	-31.38	Vertical

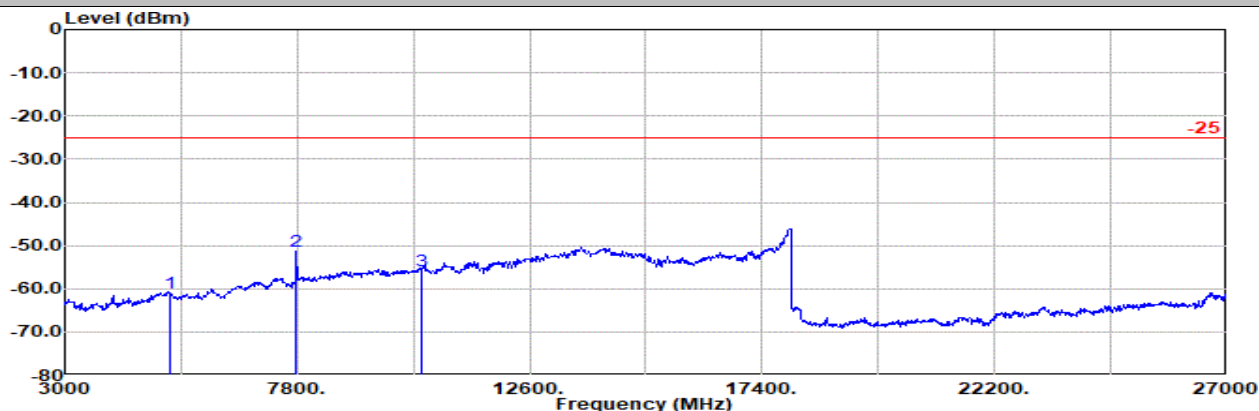


Main Antenna

Part 27M Mode 32

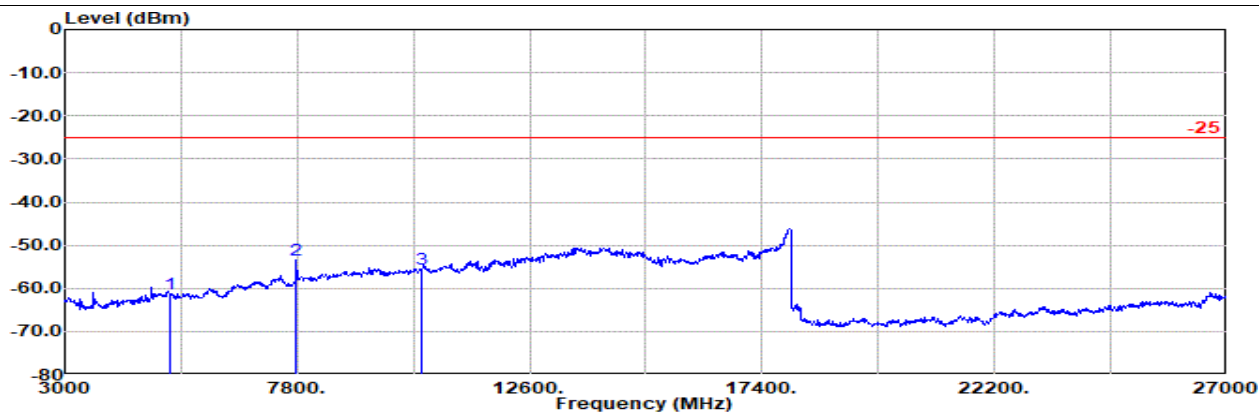
LTE CA B41C 20M + 20M Ch40521 1RB99 QPSK + Ch40719 1RB0 QPSK

M



Site : 03CH12-HY
Condition: -25 1m SHF_00993_231124 Horizontal
: LTE Band 41 20M Ch40521 1RB99 QPSK
: LTE Band 41 20M Ch40719 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin		Pol
				Factor	Amp\Cb		1						
	MHz	dBm											
1	5184.00	-61.09	RMS	33.33	-55.04	0.47	-95.23		55.38	-25.00	-36.09		Horizontal
2	7776.00	-51.43	RMS	36.90	-51.80	0.40	-95.23		58.30	-25.00	-26.43		Horizontal
3	10368.00	-55.93	RMS	38.74	-50.43	0.46	-95.23		50.53	-25.00	-30.93		Horizontal



Site : 03CH12-HY
Condition: -25 1m SHF_00993_231124 Vertical
: LTE Band 41 20M Ch40521 1RB99 QPSK
: LTE Band 41 20M Ch40719 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin		Pol
				Factor	Amp\Cb		1						
	MHz	dBm											
1	5184.00	-61.27	RMS	33.33	-55.04	0.47	-95.23		55.20	-25.00	-36.27		Vertical
2	7776.00	-53.54	RMS	36.90	-51.80	0.40	-95.23		56.19	-25.00	-28.54		Vertical
3	10368.00	-55.63	RMS	38.74	-50.43	0.46	-95.23		50.83	-25.00	-30.63		Vertical

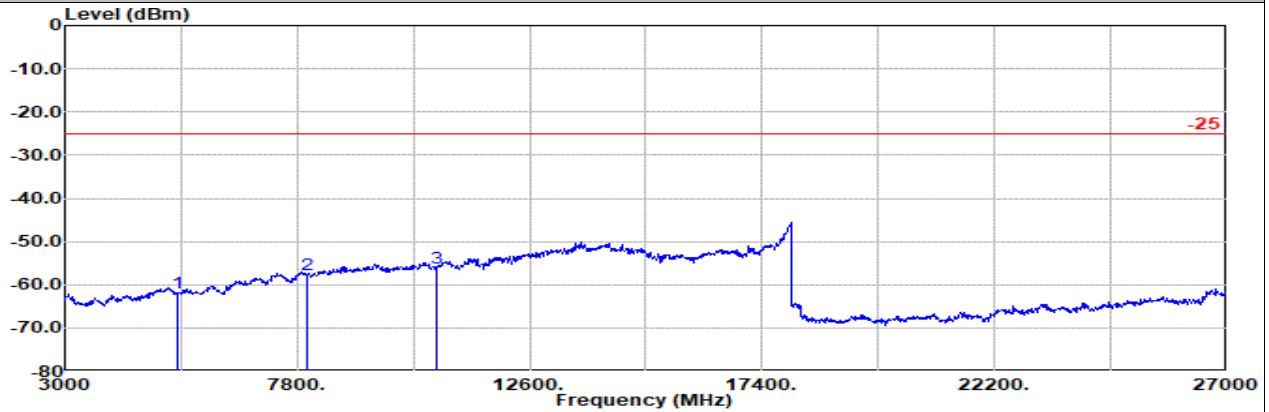


Main Antenna

Part 27M Mode 32

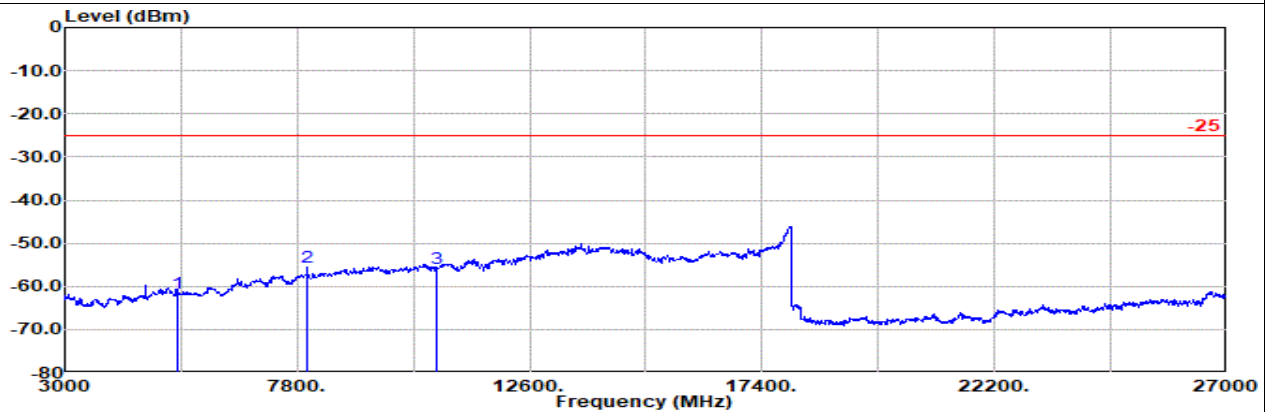
LTE CA B41C 20M + 20M Ch41292 1RB99 QPSK + Ch41490 1RB0 QPSK

H



Site : 03CH12-HY
Condition: -25 1m SHF_00993_231124 Horizontal
: LTE Band 41 20M Ch41292 1RB99 QPSK
: LTE Band 41 20M Ch41490 1RB0 QPSK

	Freq	Level	Detector	Ant	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		Factor	1	dB		dB	dBuV		
1	5338.00	-61.93	RMS	33.08	-54.04	0.44	-95.23	53.82	-25.00	-36.93	Horizontal
2	8007.00	-57.71	RMS	37.20	-51.53	0.42	-95.23	51.43	-25.00	-32.71	Horizontal
3	10676.00	-56.09	RMS	39.20	-50.03	0.45	-95.23	49.52	-25.00	-31.09	Horizontal



Site : 03CH12-HY
Condition: -25 1m SHF_00993_231124 Vertical
: LTE Band 41 20M Ch41292 1RB99 QPSK
: LTE Band 41 20M Ch41490 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	5338.00	-61.57	RMS	33.08	-54.04	0.44	-95.23	54.18	-25.00	-36.57	Vertical
2	8007.00	-55.64	RMS	37.20	-51.53	0.42	-95.23	53.50	-25.00	-30.64	Vertical
3	10676.00	-55.90	RMS	39.20	-50.03	0.45	-95.23	49.71	-25.00	-30.90	Vertical

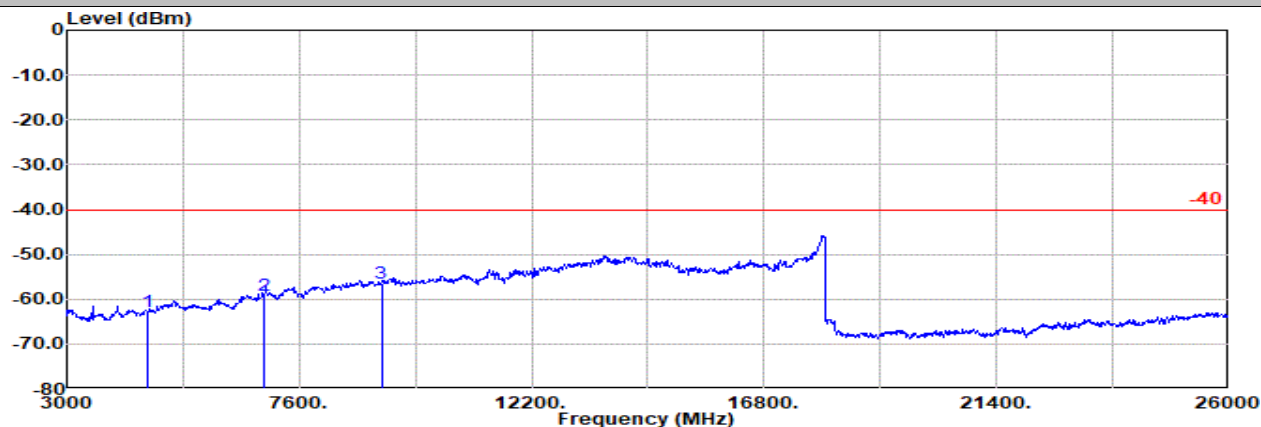


Main Antenna

Part 27D Mode 46

LTE B30 5M Ch27685 1RB0 QPSK

L

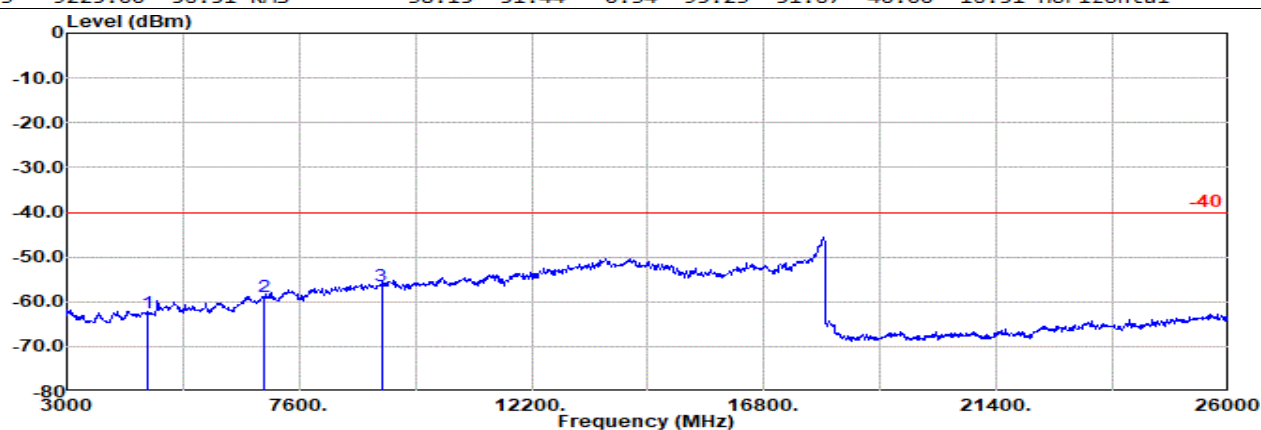


Site : 03CH12-HY

Condition: -40 1m SHF_00993_231124 Horizontal

: LTE Band 30 BW5M Ch27685 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	4605.00	-62.81	RMS	31.72	-56.35	0.49	-95.23	56.56	-40.00	-22.81 Horizontal
2	6915.00	-59.20	RMS	36.07	-51.86	0.34	-95.23	51.48	-40.00	-19.20 Horizontal
3	9225.00	-56.51	RMS	38.15	-51.44	0.34	-95.23	51.67	-40.00	-16.51 Horizontal



Site : 03CH12-HY

Condition: -40 1m SHF_00993_231124 Vertical

: LTE Band 30 BW5M Ch27685 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	4605.00	-62.47	RMS	31.72	-56.35	0.49	-95.23	56.90	-40.00	-22.47 Vertical
2	6915.00	-58.89	RMS	36.07	-51.86	0.34	-95.23	51.79	-40.00	-18.89 Vertical
3	9225.00	-56.48	RMS	38.15	-51.44	0.34	-95.23	51.70	-40.00	-16.48 Vertical

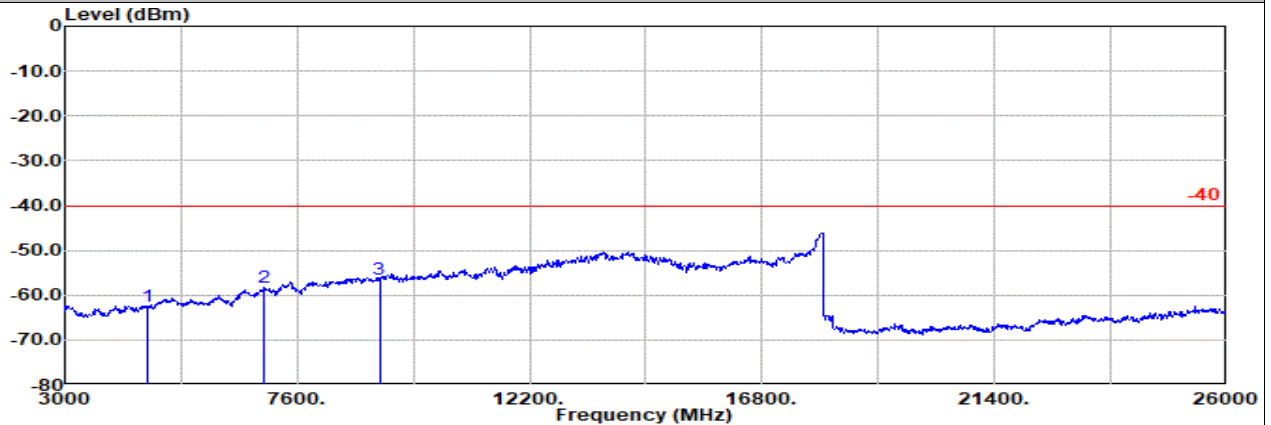


Main Antenna

Part 27D Mode 46

LTE B30 5M Ch27710 1RB0 QPSK

M

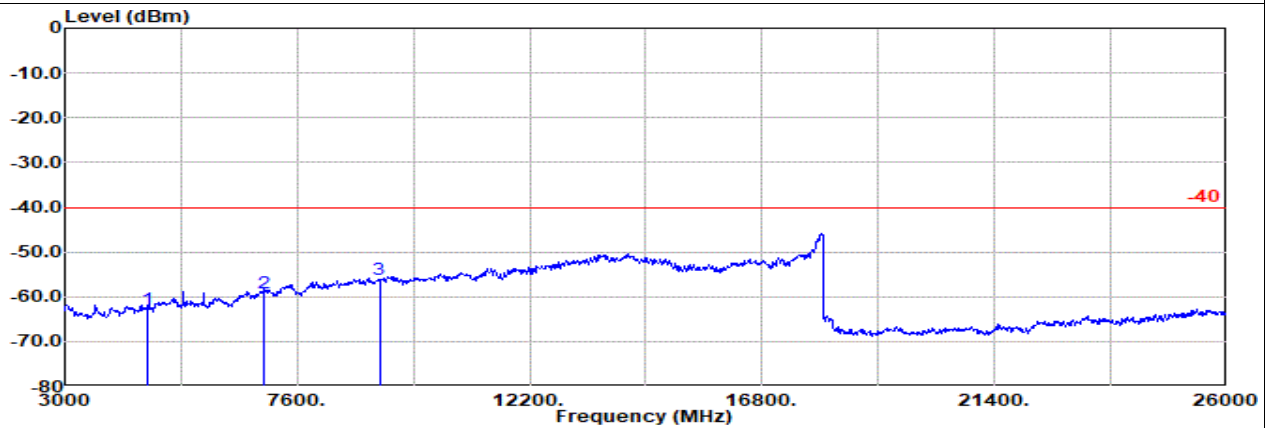


Site : 03CH12-HY

Condition: -40 1m SHF_00993_231124 Horizontal

: LTE Band 30 BW5M Ch27710 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	4620.00	-62.42	RMS	31.78	-56.24	0.48	-95.23	56.79	-40.00	-22.42 Horizontal
2	6930.00	-58.41	RMS	36.04	-51.85	0.34	-95.23	52.29	-40.00	-18.41 Horizontal
3	9225.00	-56.52	RMS	38.15	-51.44	0.34	-95.23	51.66	-40.00	-16.52 Horizontal



Site : 03CH12-HY

Condition: -40 1m SHF_00993_231124 Vertical

: LTE Band 30 BW5M Ch27710 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	4620.00	-62.65	RMS	31.78	-56.24	0.48	-95.23	56.56	-40.00	-22.65 Vertical
2	6930.00	-59.22	RMS	36.04	-51.85	0.34	-95.23	51.48	-40.00	-19.22 Vertical
3	9225.00	-56.12	RMS	38.15	-51.44	0.34	-95.23	52.06	-40.00	-16.12 Vertical

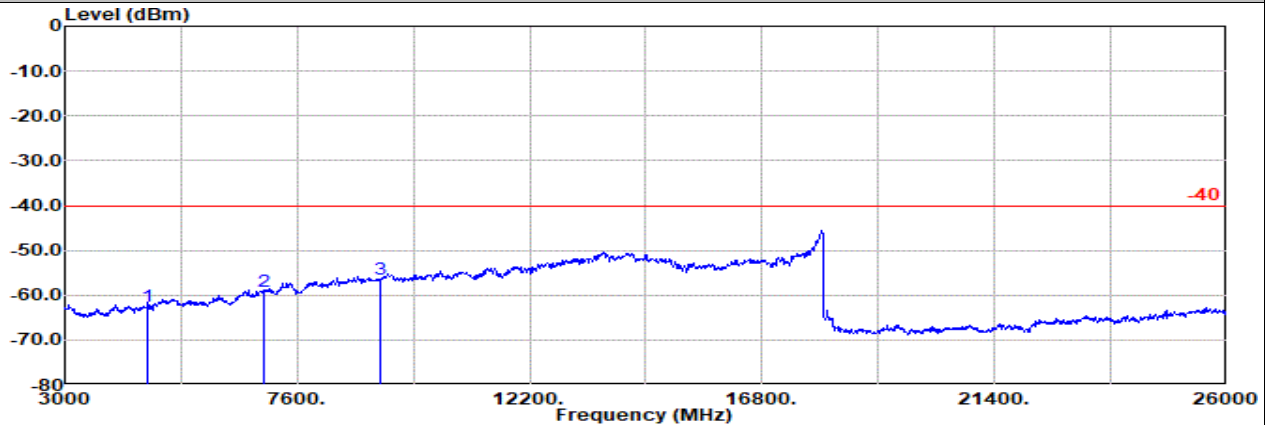


Main Antenna

Part 27D Mode 46

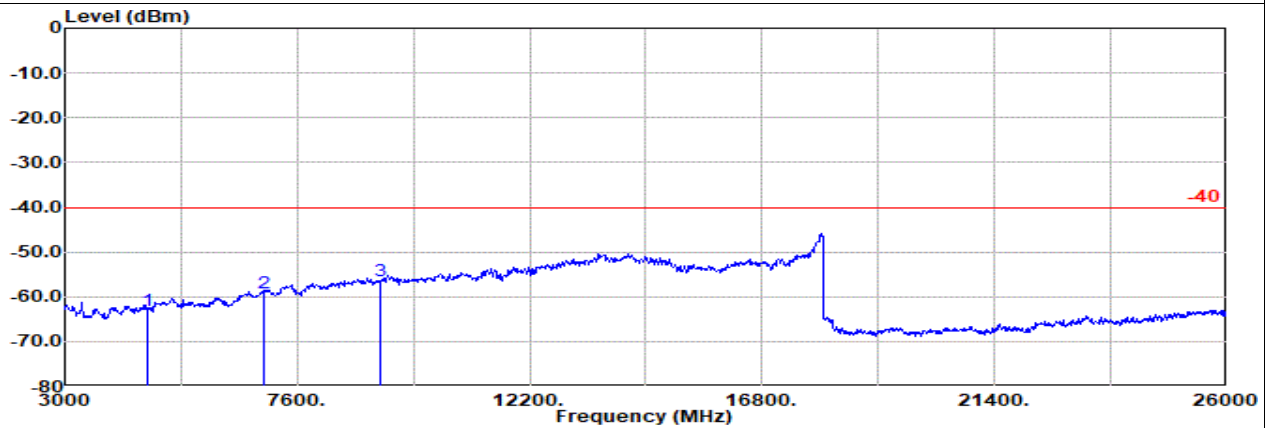
LTE B30 5M Ch27735 1RB0 QPSK

H



Site : 03CH12-HY
Condition: -40 1m SHF_00993_231124 Horizontal
: LTE Band 30 BW5M CH27735 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	4620.00	-62.43	RMS	31.78	-56.24	0.48	-95.23	56.78	-40.00	-22.43 Horizontal
2	6931.00	-59.08	RMS	36.04	-51.85	0.34	-95.23	51.62	-40.00	-19.08 Horizontal
3	9241.00	-56.33	RMS	38.18	-51.39	0.34	-95.23	51.77	-40.00	-16.33 Horizontal



Site : 03CH12-HY
Condition: -40 1m SHF_00993_231124 Vertical
: LTE Band 30 BW5M CH27735 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	4620.00	-63.02	RMS	31.78	-56.24	0.48	-95.23	56.19	-40.00	-23.02 Vertical
2	6931.00	-59.11	RMS	36.04	-51.85	0.34	-95.23	51.59	-40.00	-19.11 Vertical
3	9241.00	-56.55	RMS	38.18	-51.39	0.34	-95.23	51.55	-40.00	-16.55 Vertical

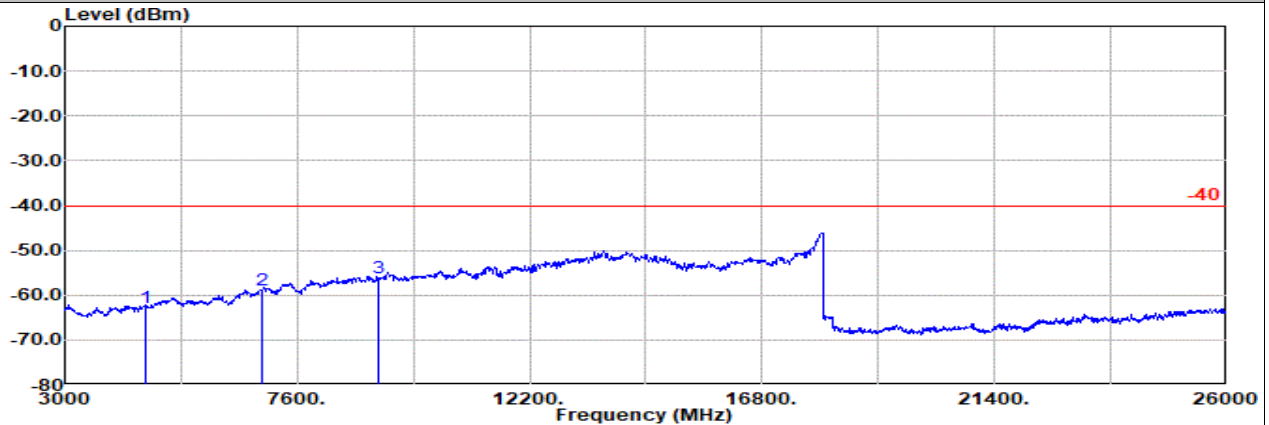


Main Antenna

Part 27D Mode 47

LTE B30 10M Ch27710 1RB0 QPSK

M

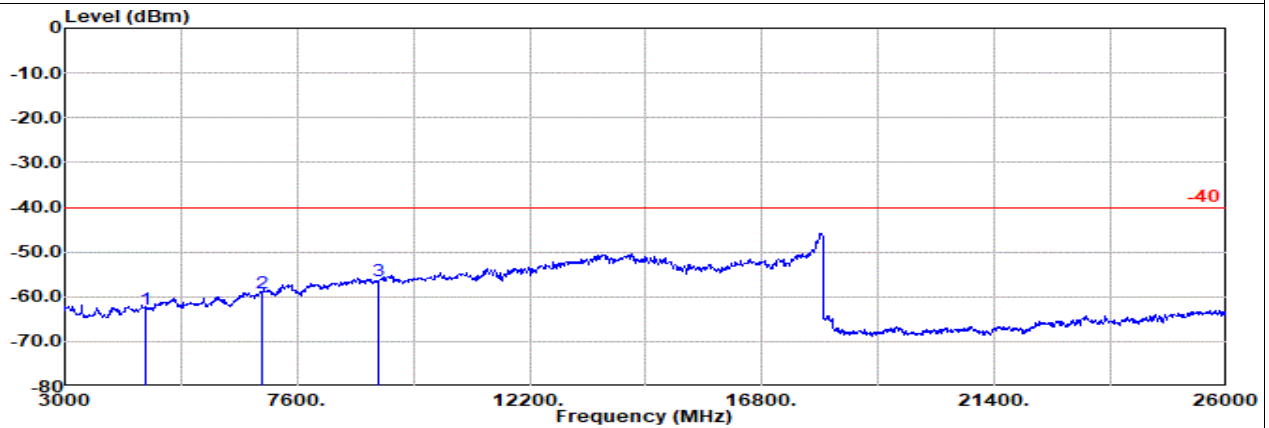


Site : 03CH12-HY

Condition: -40 1m SHF_00993_231124 Horizontal

: LTE Band 30 BW10M CH27710 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	4611.00	-62.75	RMS	31.74	-56.30	0.49	-95.23	56.55	-40.00	-22.75 Horizontal
2	6916.00	-58.89	RMS	36.07	-51.86	0.34	-95.23	51.79	-40.00	-18.89 Horizontal
3	9222.00	-56.21	RMS	38.14	-51.45	0.34	-95.23	51.99	-40.00	-16.21 Horizontal



Site : 03CH12-HY

Condition: -40 1m SHF_00993_231124 Vertical

: LTE Band 30 BW10M CH27710 1RB0 QPSK

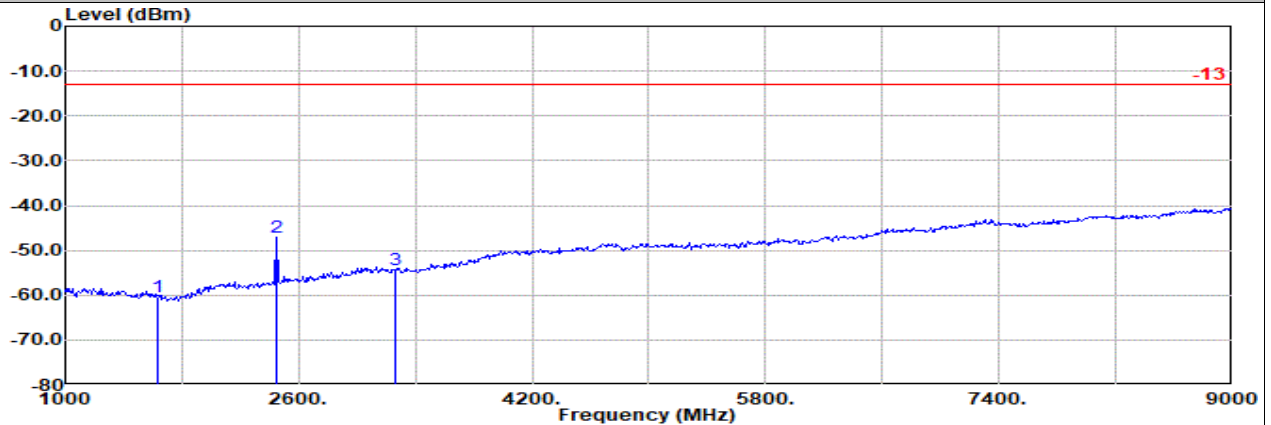
	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	4611.00	-62.67	RMS	31.74	-56.30	0.49	-95.23	56.63	-40.00	-22.67 Vertical
2	6916.00	-59.03	RMS	36.07	-51.86	0.34	-95.23	51.65	-40.00	-19.03 Vertical
3	9222.00	-56.42	RMS	38.14	-51.45	0.34	-95.23	51.78	-40.00	-16.42 Vertical

Main Antenna

Part 90S Mode 84

LTE B26 5M Ch26715 1RB0 QPSK

L

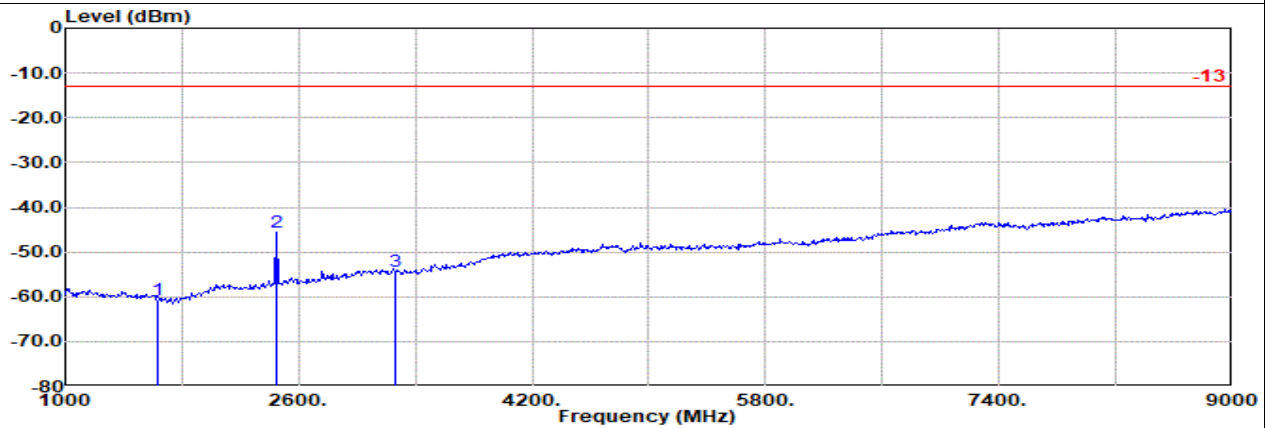


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

: LTE Band 26 5M Ch26715 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	1628.00	-60.29	RMS	25.52	-27.28	0.76	-95.23	35.94	-13.00	-47.29
2	2443.00	-47.05	RMS	27.70	-26.33	0.52	-95.23	46.29	-13.00	-34.05
3	3257.00	-54.37	RMS	29.80	-25.14	0.39	-95.23	35.81	-13.00	-41.37



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

: LTE Band 26 5M Ch26715 1RB0 QPSK

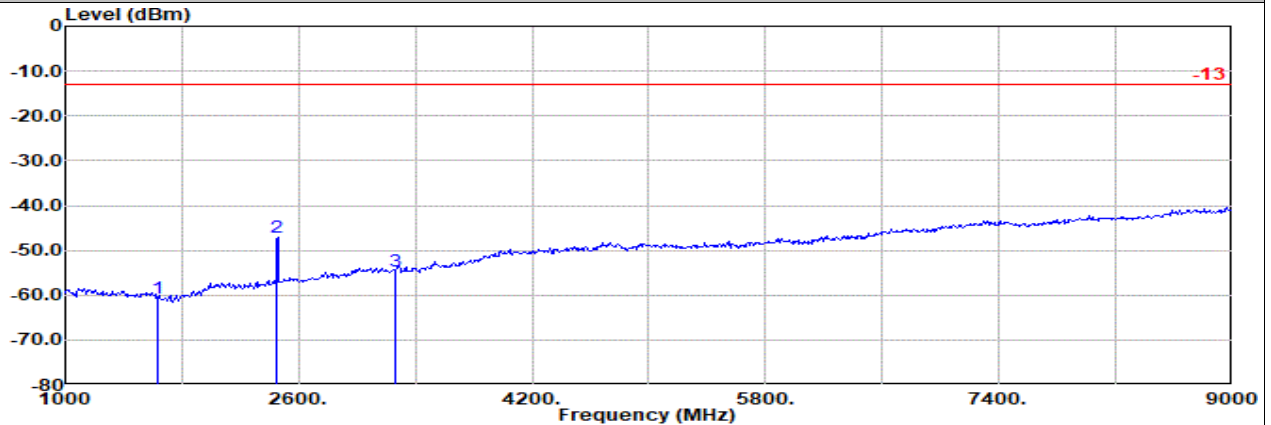
	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	1628.00	-60.57	RMS	25.52	-27.28	0.76	-95.23	35.66	-13.00	-47.57
2	2443.00	-45.61	RMS	27.70	-26.33	0.52	-95.23	47.73	-13.00	-32.61
3	3257.00	-54.25	RMS	29.80	-25.14	0.39	-95.23	35.93	-13.00	-41.25

Main Antenna

Part 90S Mode 84

LTE B26 5M Ch26740 1RB0 QPSK

M

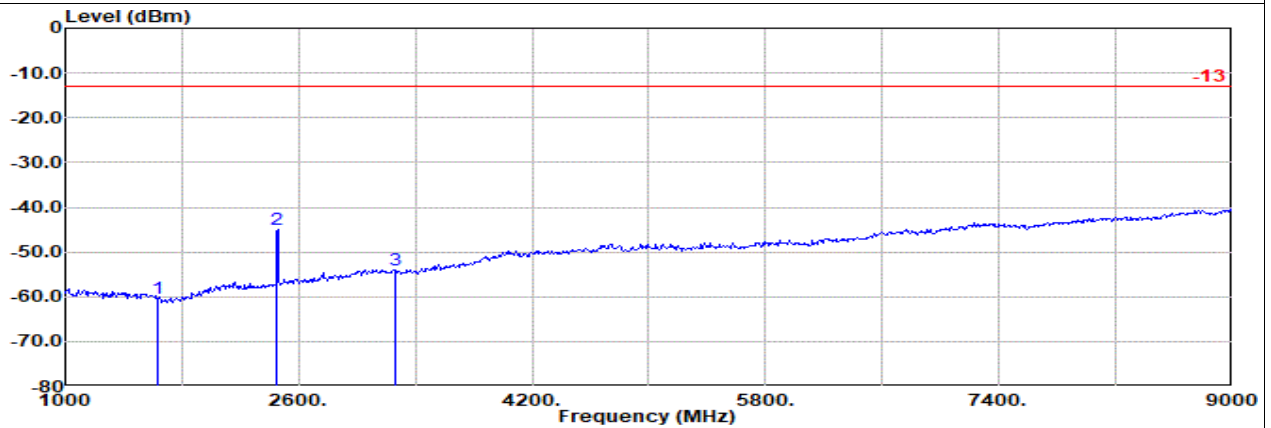


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

: LTE Band 26 5M Ch26740 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	1633.00	-60.61	RMS	25.47	-27.26	0.76	-95.23	35.65	-13.00	-47.61	Horizontal
2	2450.00	-47.24	RMS	27.70	-26.31	0.52	-95.23	46.08	-13.00	-34.24	Horizontal
3	3267.00	-54.74	RMS	29.80	-25.12	0.39	-95.23	35.42	-13.00	-41.74	Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

: LTE Band 26 5M Ch26740 1RB0 QPSK

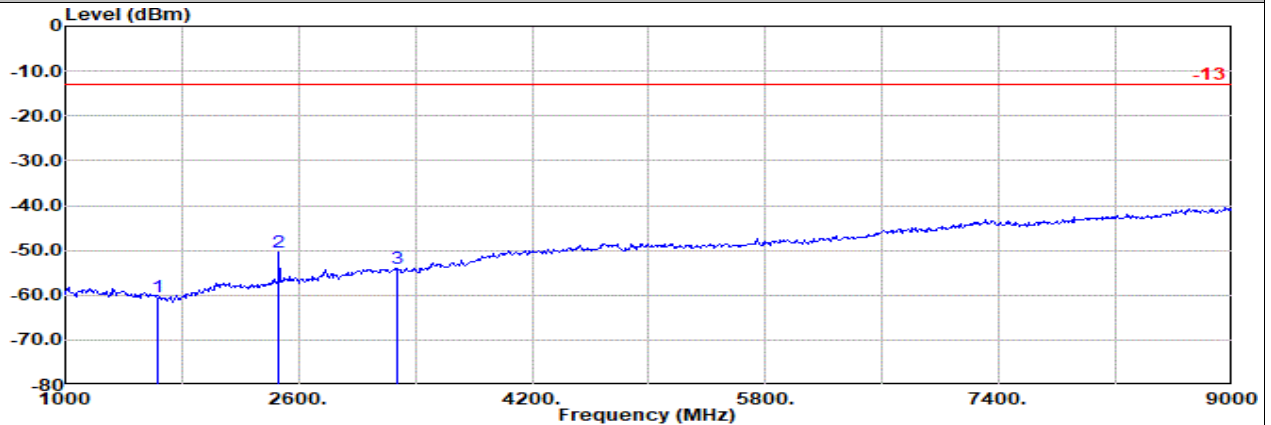
	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	1633.00	-60.29	RMS	25.47	-27.26	0.76	-95.23	35.97	-13.00	-47.29	Vertical
2	2450.00	-44.85	RMS	27.70	-26.31	0.52	-95.23	48.47	-13.00	-31.85	Vertical
3	3267.00	-54.11	RMS	29.80	-25.12	0.39	-95.23	36.05	-13.00	-41.11	Vertical

Main Antenna

Part 90S Mode 84

LTE B26 5M Ch26765 1RB0 QPSK

H

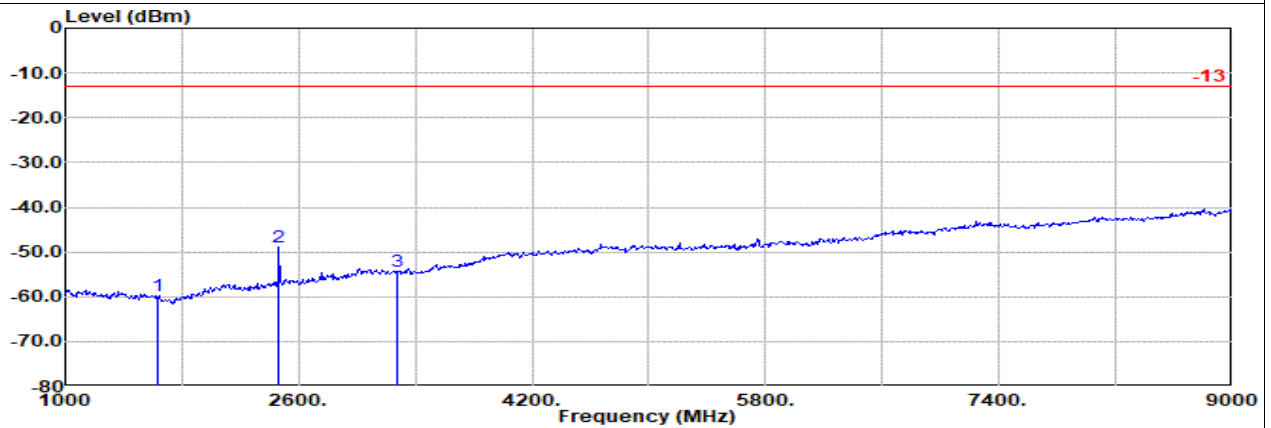


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

: LTE Band 26 5M Ch26765 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1638.00	-60.28	RMS	25.42	-27.25	0.76	-95.23	36.02	-13.00	-47.28	Horizontal
2	2458.00	-50.52	RMS	27.70	-26.29	0.52	-95.23	42.78	-13.00	-37.52	Horizontal
3	3277.00	-53.98	RMS	29.80	-25.09	0.39	-95.23	36.15	-13.00	-40.98	Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

: LTE Band 26 5M Ch26765 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1638.00	-59.84	RMS	25.42	-27.25	0.76	-95.23	36.46	-13.00	-46.84	Vertical
2	2458.00	-48.78	RMS	27.70	-26.29	0.52	-95.23	44.52	-13.00	-35.78	Vertical
3	3277.00	-54.20	RMS	29.80	-25.09	0.39	-95.23	35.93	-13.00	-41.20	Vertical

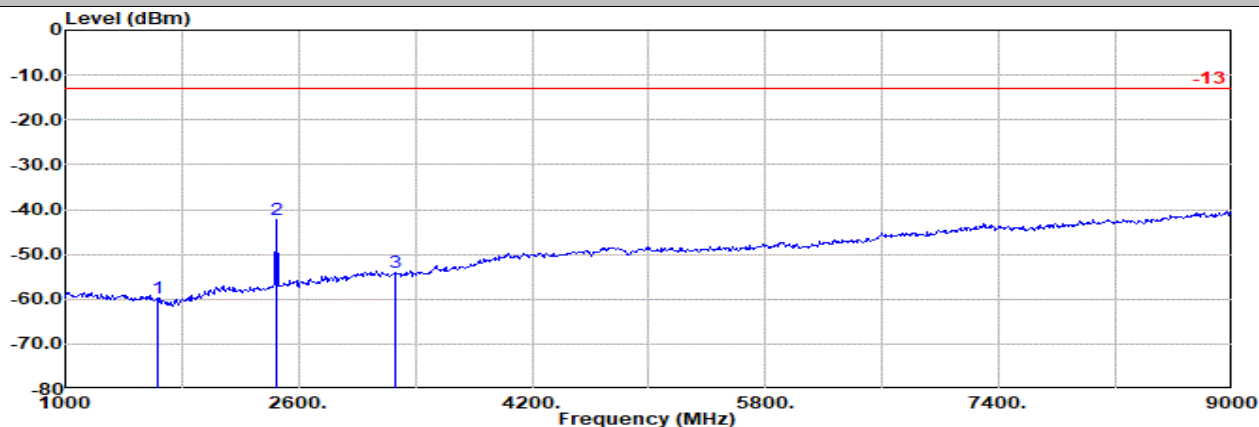


Main Antenna

Part 90S Mode 85

LTE B26 10M Ch26740 1RB0 QPSK

M

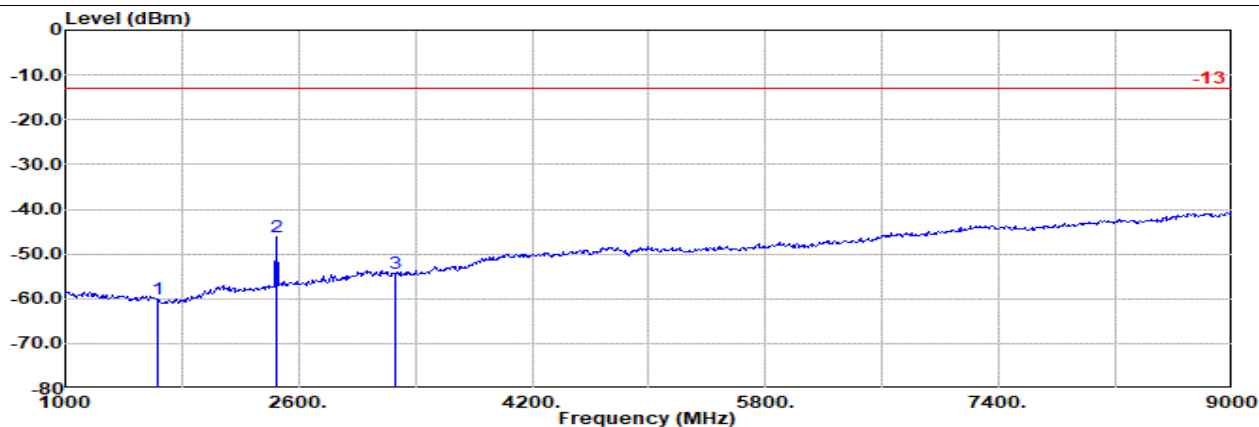


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

: LTE Band 26 10M Ch26740 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	1629.00	-59.67	RMS	25.51	-27.27	0.76	-95.23	36.56	-13.00	-46.67 Horizontal
2	2443.00	-42.13	RMS	27.70	-26.33	0.52	-95.23	51.21	-13.00	-29.13 Horizontal
3	3258.00	-54.14	RMS	29.80	-25.14	0.39	-95.23	36.04	-13.00	-41.14 Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

: LTE Band 26 10M Ch26740 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	1629.00	-60.13	RMS	25.51	-27.27	0.76	-95.23	36.10	-13.00	-47.13 Vertical
2	2443.00	-46.22	RMS	27.70	-26.33	0.52	-95.23	47.12	-13.00	-33.22 Vertical
3	3258.00	-54.21	RMS	29.80	-25.14	0.39	-95.23	35.97	-13.00	-41.21 Vertical

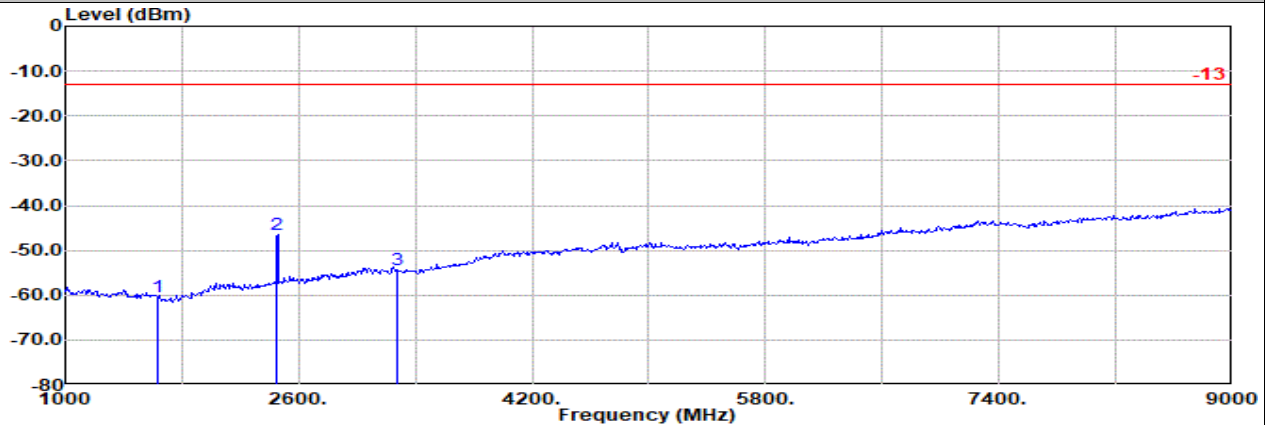


Main Antenna

Part 90S Mode 86

LTE B26 15M Ch26790 1RB0 QPSK

M

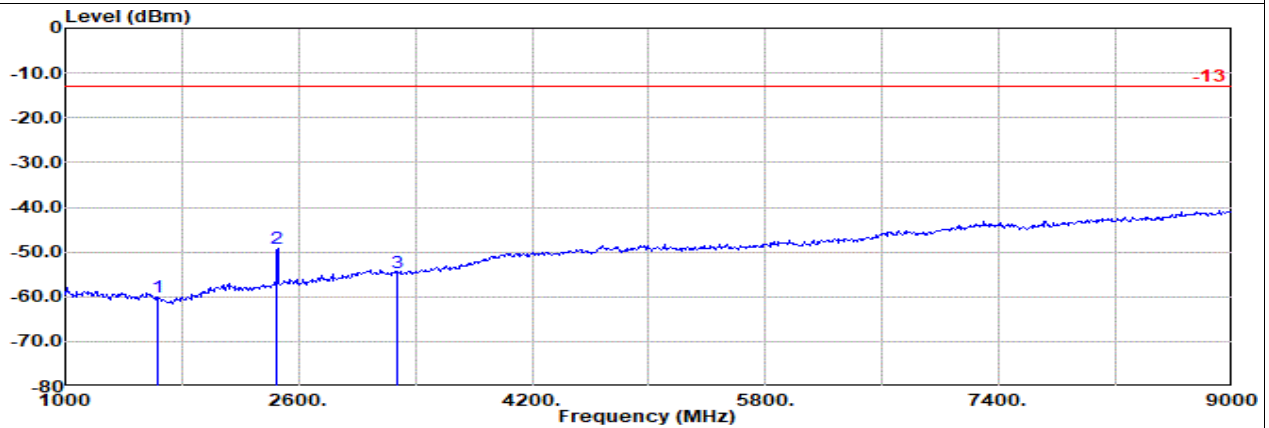


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

: LTE Band 26 15M Ch26790 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin	Limit	Margin		Pol
				Factor	1		dB	dB					
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB		
1	1634.00	-60.50	RMS		25.46	-27.26	0.76	-95.23	35.77	-13.00	-47.50		Horizontal
2	2452.00	-46.39	RMS		27.70	-26.31	0.52	-95.23	46.93	-13.00	-33.39		Horizontal
3	3269.00	-54.45	RMS		29.80	-25.11	0.39	-95.23	35.70	-13.00	-41.45		Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

: LTE Band 26 15M Ch26790 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin	Limit	Margin		Pol
				Factor	1		dB	dB					
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB		
1	1634.00	-59.98	RMS		25.46	-27.26	0.76	-95.23	36.29	-13.00	-46.98		Vertical
2	2452.00	-49.09	RMS		27.70	-26.31	0.52	-95.23	44.23	-13.00	-36.09		Vertical
3	3269.00	-54.49	RMS		29.80	-25.11	0.39	-95.23	35.66	-13.00	-41.49		Vertical



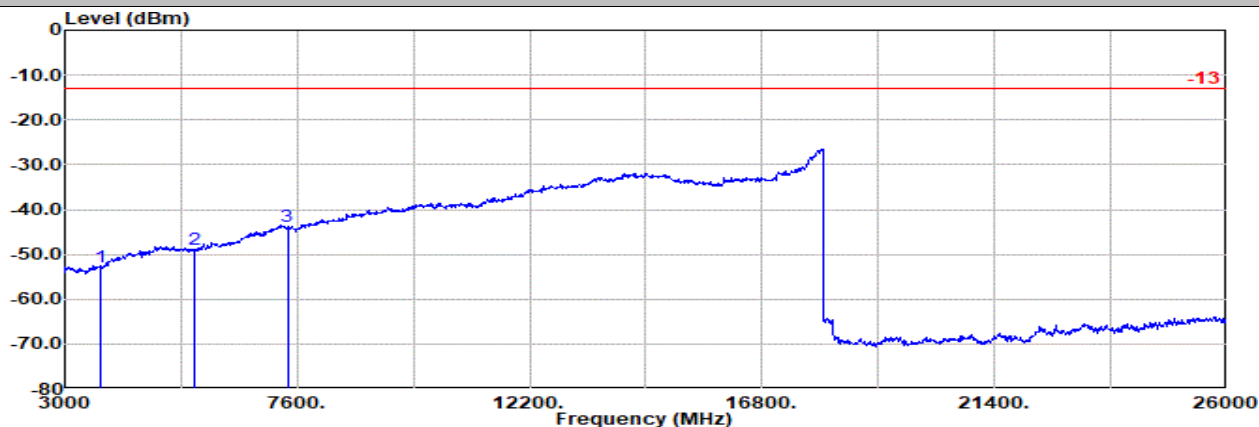
<Sample 2>

Main Antenna

Part 24E Mode 13

LTE B2 20M Ch18700 1RB0 QPSK

L

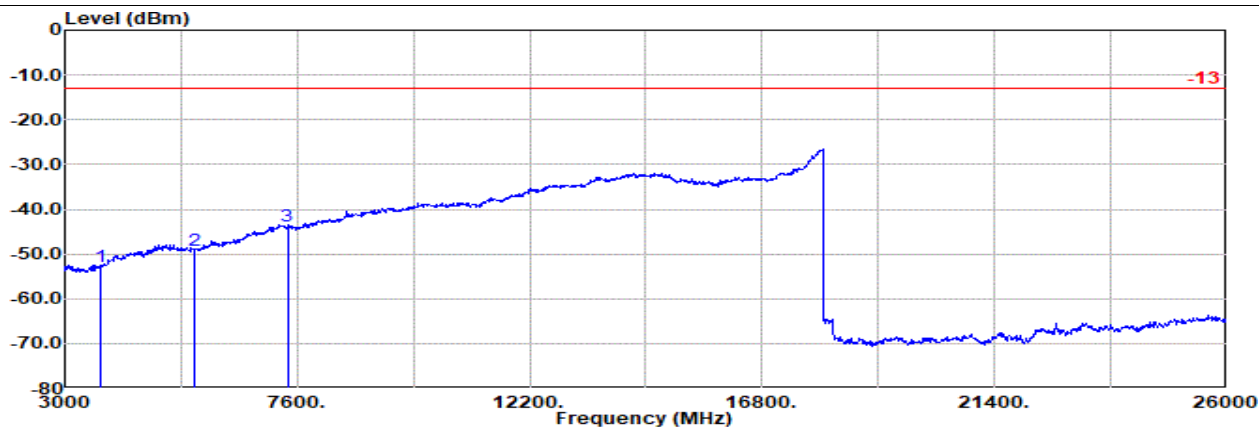


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

: LTE Band 2 20M Ch18700 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	3702.00	-52.68	RMS	29.91	-23.55	0.76	-95.23	35.43	-13.00	-39.68 Horizontal
2	5553.00	-49.01	RMS	33.10	-21.91	0.40	-95.23	34.63	-13.00	-36.01 Horizontal
3	7404.00	-43.87	RMS	36.61	-20.40	0.33	-95.23	34.82	-13.00	-30.87 Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

: LTE Band 2 20M Ch18700 1RB0 QPSK

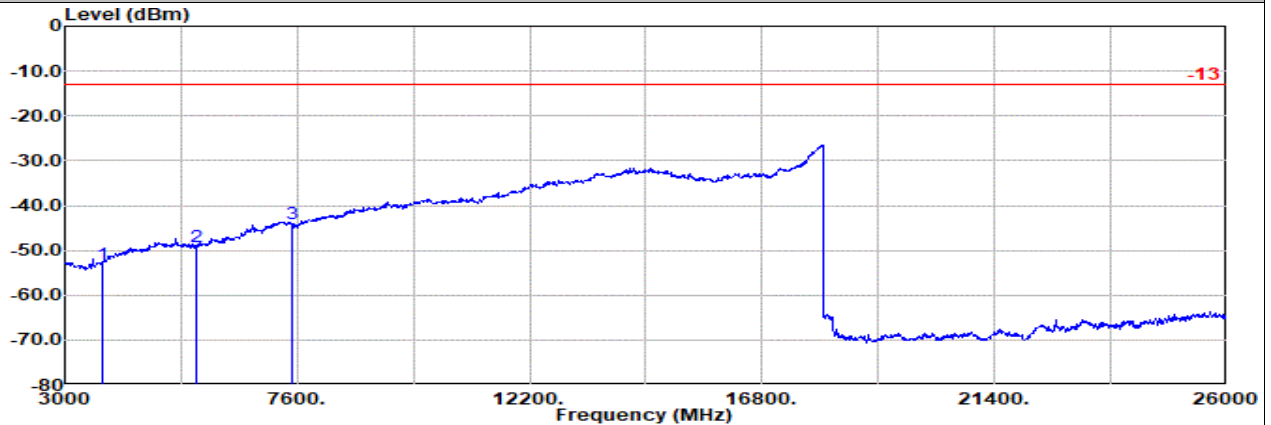
	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	3702.00	-52.93	RMS	29.91	-23.55	0.76	-95.23	35.18	-13.00	-39.93 Vertical
2	5553.00	-49.08	RMS	33.10	-21.91	0.40	-95.23	34.56	-13.00	-36.08 Vertical
3	7404.00	-43.91	RMS	36.61	-20.40	0.33	-95.23	34.78	-13.00	-30.91 Vertical

Main Antenna

Part 24E Mode 13

LTE B2 20M Ch18900 1RB0 QPSK

M

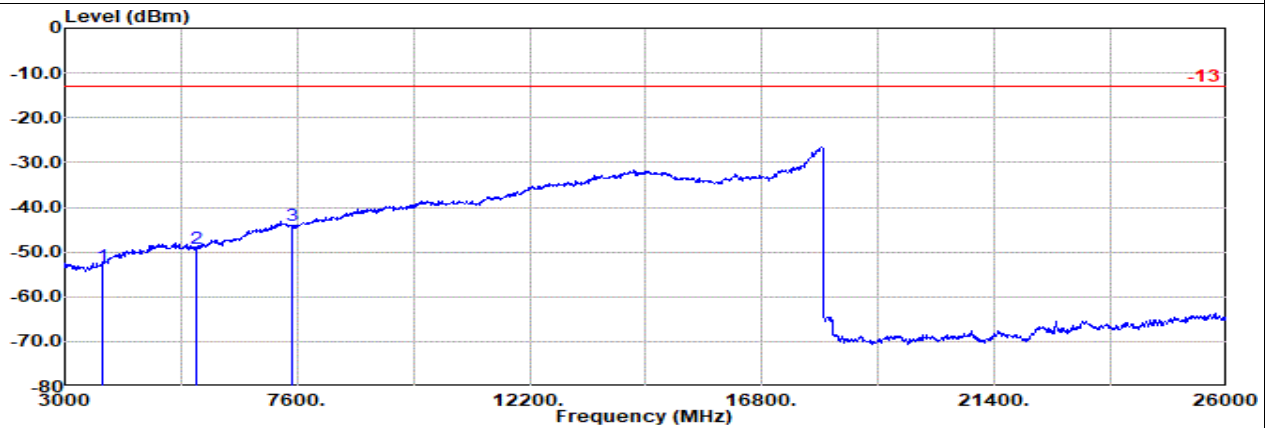


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 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									
1	3742.00	-53.06	RMS	30.07	-23.51	0.72	-95.23	34.89	-13.00	-40.06	Horizontal
2	5613.00	-49.20	RMS	33.13	-22.05	0.39	-95.23	34.56	-13.00	-36.20	Horizontal
3	7484.00	-44.01	RMS	36.63	-20.48	0.34	-95.23	34.73	-13.00	-31.01	Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 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									
1	3742.00	-53.00	RMS	30.07	-23.51	0.72	-95.23	34.95	-13.00	-40.00	Vertical
2	5613.00	-49.25	RMS	33.13	-22.05	0.39	-95.23	34.51	-13.00	-36.25	Vertical
3	7484.00	-44.16	RMS	36.63	-20.48	0.34	-95.23	34.58	-13.00	-31.16	Vertical

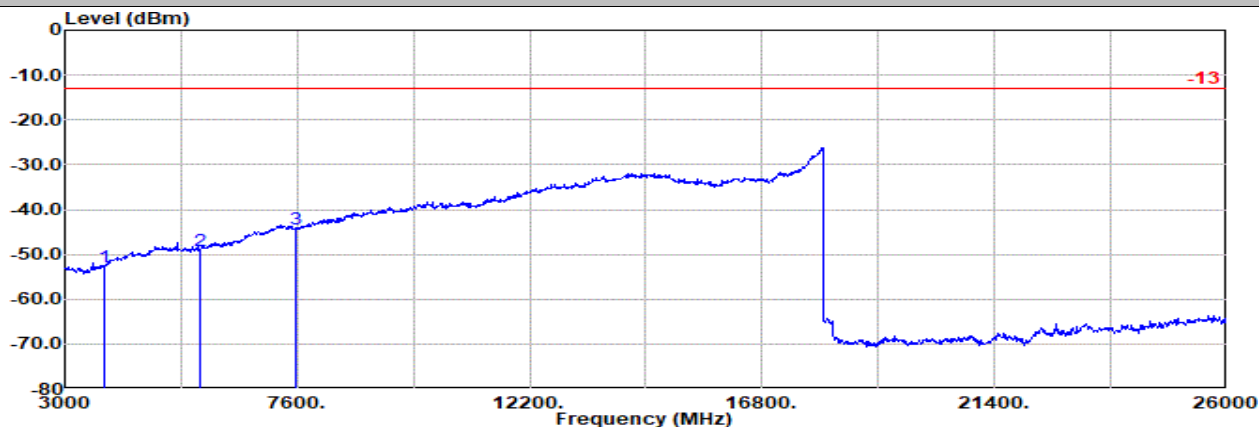


Main Antenna

Part 24E Mode 13

LTE B2 20M Ch19100 1RB0 QPSK

H

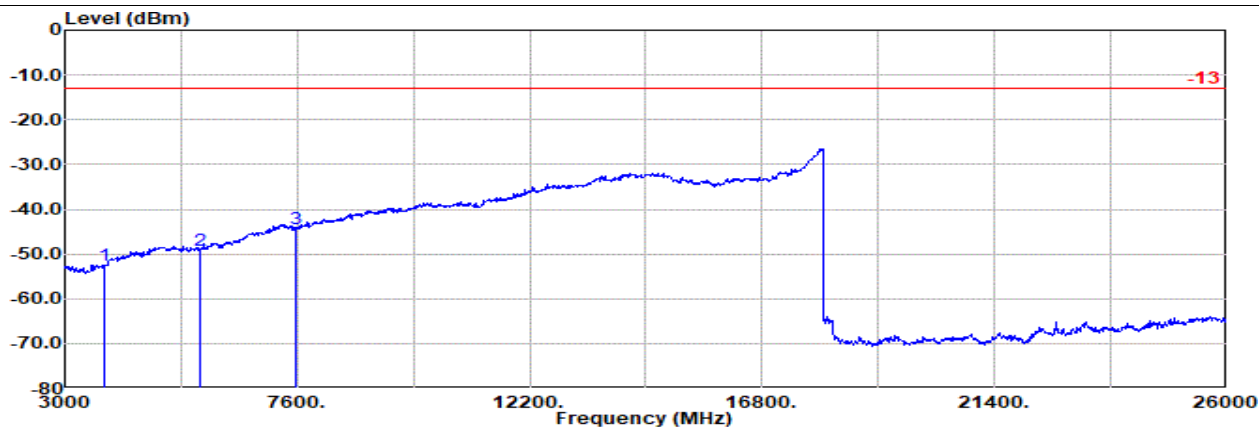


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

: 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	3782.00	-52.76	RMS	30.36	-23.46	0.68	-95.23	34.89	-13.00	-39.76 Horizontal
2	5673.00	-49.20	RMS	33.38	-22.13	0.39	-95.23	34.39	-13.00	-36.20 Horizontal
3	7564.00	-44.43	RMS	36.33	-20.50	0.35	-95.23	34.62	-13.00	-31.43 Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

: 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	3782.00	-52.66	RMS	30.36	-23.46	0.68	-95.23	34.99	-13.00	-39.66 Vertical
2	5673.00	-49.14	RMS	33.38	-22.13	0.39	-95.23	34.45	-13.00	-36.14 Vertical
3	7564.00	-44.31	RMS	36.33	-20.50	0.35	-95.23	34.74	-13.00	-31.31 Vertical

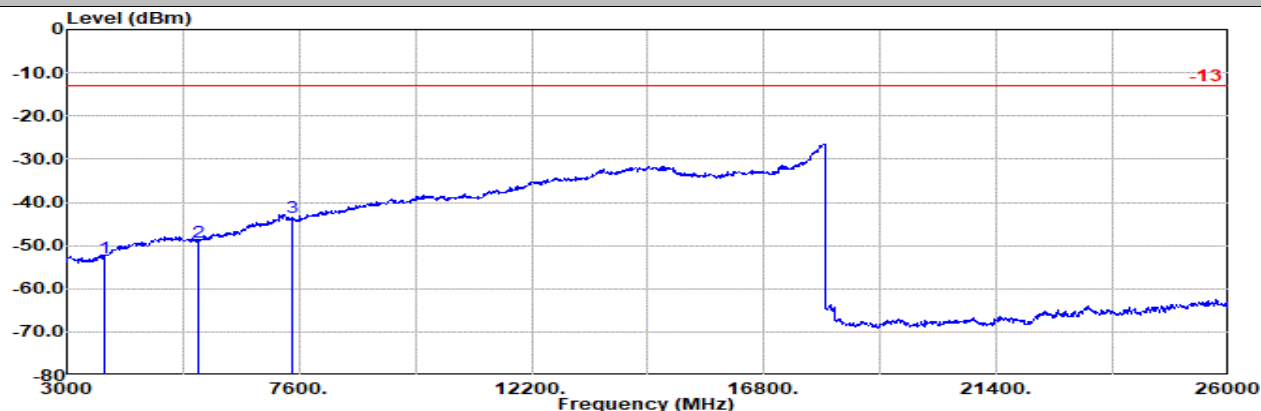


Main Antenna

Part 24E Mode 15

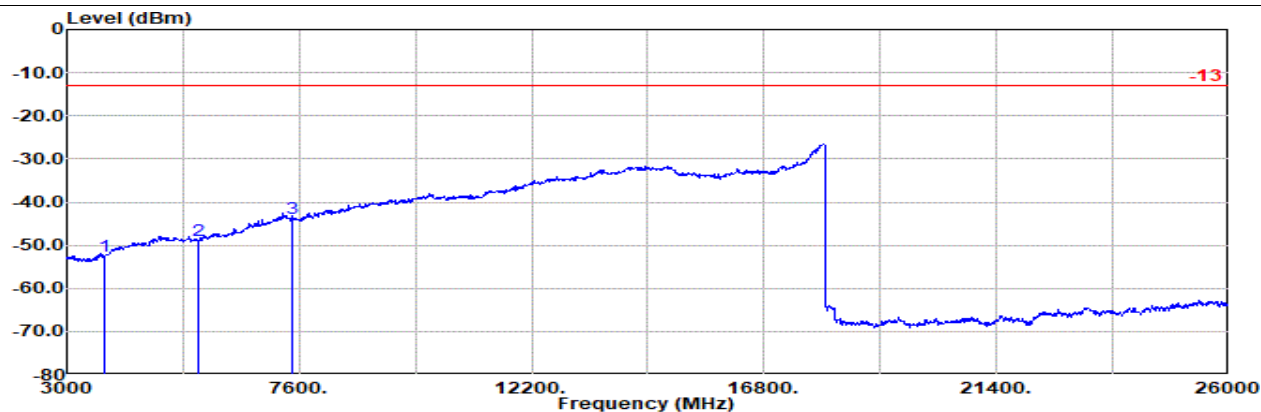
LTE CA B2C 20M + 20M Ch18700 1RB99 QPSK + Ch18898 1RB0 QPSK

L



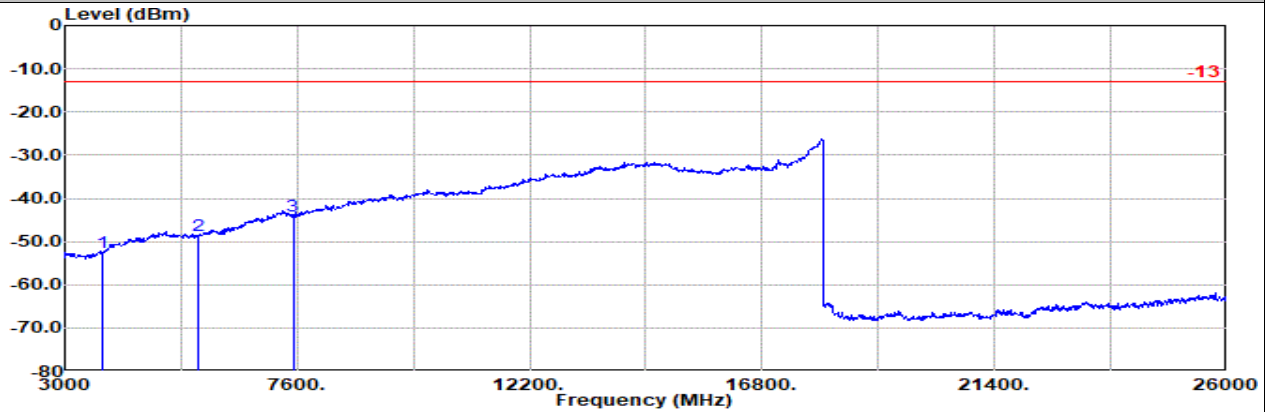
Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 2 20M Ch18700 1RB99 QPSK
: LTE Band 2 20M Ch18898 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin		Pol
				Factor	Amp\Cb		1						
	MHz	dBm											
1	3737.00	-52.76	RMS	30.05	-23.51	0.72	-95.23		35.21	-13.00	-39.76		Horizontal
2	5606.00	-49.24	RMS	33.11	-22.04	0.39	-95.23		34.53	-13.00	-36.24		Horizontal
3	7475.00	-43.45	RMS	36.65	-20.47	0.34	-95.23		35.26	-13.00	-30.45		Horizontal



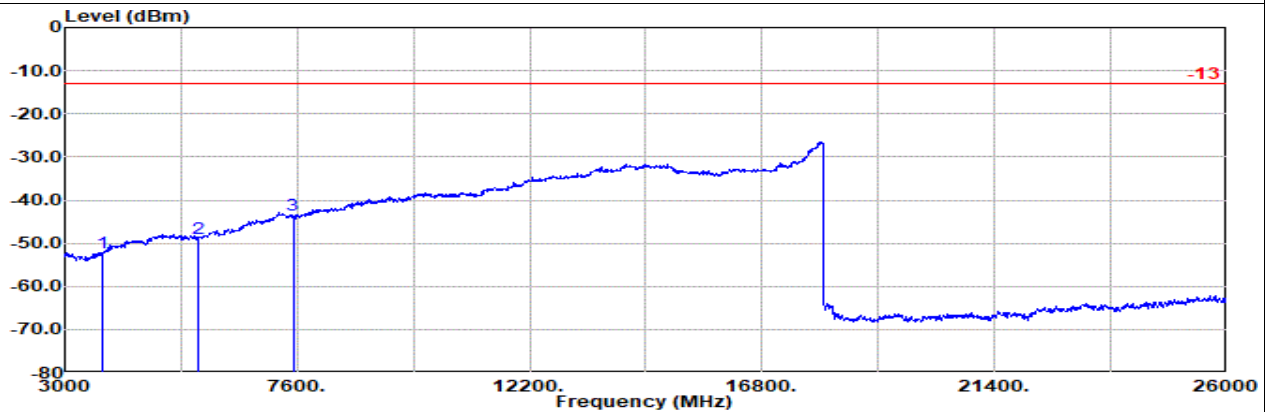
Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 2 20M Ch18700 1RB99 QPSK
: LTE Band 2 20M Ch18898 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin		Pol
				Factor	Amp\Cb		1						
	MHz	dBm											
1	3737.00	-52.65	RMS	30.05	-23.51	0.72	-95.23		35.32	-13.00	-39.65		Vertical
2	5606.00	-48.86	RMS	33.11	-22.04	0.39	-95.23		34.91	-13.00	-35.86		Vertical
3	7475.00	-43.79	RMS	36.65	-20.47	0.34	-95.23		34.92	-13.00	-30.79		Vertical

Main Antenna
Part 24E Mode 15
LTE CA B2C 20M + 20M Ch18801 1RB99 QPSK + Ch18999 1RB0 QPSK
M


Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 2 20M Ch18801 1RB99 QPSK
: LTE Band 2 20M Ch18999 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin		Pol
				Factor	1								
	MHz	dBm											
1	3758.00	-52.55	RMS	30.16	-23.49	0.70	-95.23	35.31	-13.00	-39.55	Horizontal		
2	5637.00	-48.64	RMS	33.17	-22.08	0.39	-95.23	35.11	-13.00	-35.64	Horizontal		
3	7516.00	-43.99	RMS	36.50	-20.49	0.35	-95.23	34.88	-13.00	-30.99	Horizontal		



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 2 20M Ch18801 1RB99 QPSK
: LTE Band 2 20M Ch18999 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin		Pol
				Factor	1								
	MHz	dBm											
1	3758.00	-52.21	RMS	30.16	-23.49	0.70	-95.23	35.65	-13.00	-39.21	Vertical		
2	5637.00	-48.87	RMS	33.17	-22.08	0.39	-95.23	34.88	-13.00	-35.87	Vertical		
3	7516.00	-43.39	RMS	36.50	-20.49	0.35	-95.23	35.48	-13.00	-30.39	Vertical		

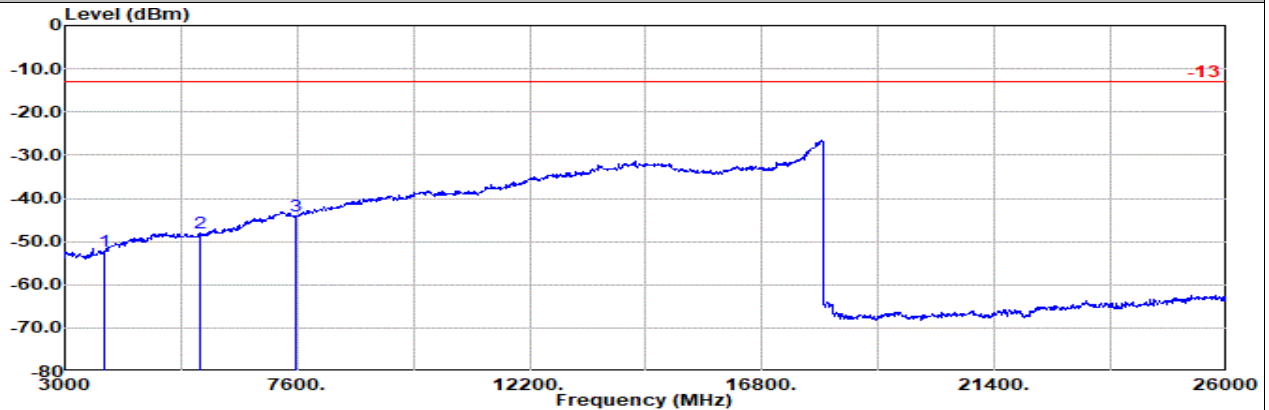


Main Antenna

Part 24E Mode 15

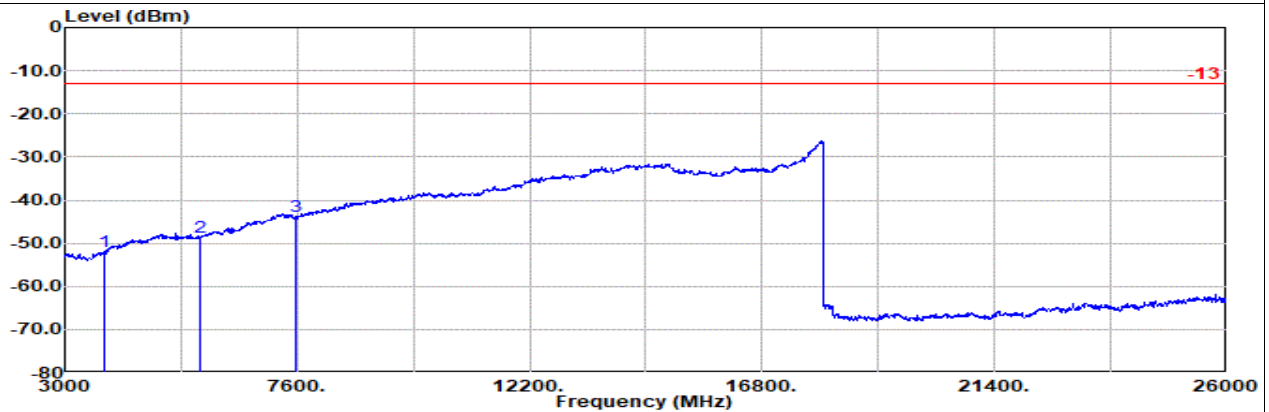
LTE CA B2C 20M + 20M Ch18902 1RB99 QPSK + Ch19100 1RB0 QPSK

H



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 2 20M Ch18902 1RB99 QPSK
: LTE Band 2 20M Ch19100 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF		Readin Limit		Margin Pol	
	MHz	dBm		Factor	dB	dB	dB	dBuV	dBm	dB	
1	3778.00	-52.30	RMS	30.32	-23.47	0.68	-95.23	35.40	-13.00	-39.30	Horizontal
2	5667.00	-48.06	RMS	33.34	-22.12	0.39	-95.23	35.56	-13.00	-35.06	Horizontal
3	7556.00	-43.95	RMS	36.31	-20.50	0.35	-95.23	35.12	-13.00	-30.95	Horizontal



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 2 20M Ch18902 1RB99 QPSK
: LTE Band 2 20M Ch19100 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF		Readin Limit		Margin Pol	
	MHz	dBm		Factor	dB	dB	dB	dBuV	dBm	dB	
1	3778.00	-52.00	RMS	30.32	-23.47	0.68	-95.23	35.70	-13.00	-39.00	Vertical
2	5667.00	-48.68	RMS	33.34	-22.12	0.39	-95.23	34.94	-13.00	-35.68	Vertical
3	7556.00	-43.81	RMS	36.31	-20.50	0.35	-95.23	35.26	-13.00	-30.81	Vertical

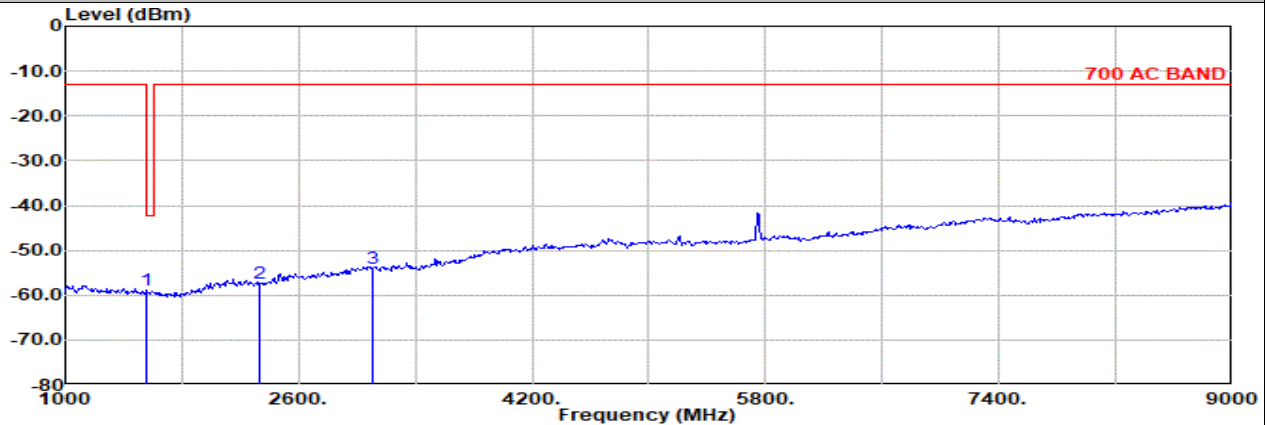


Main Antenna

Part 27F Mode 1

LTE B13 5M Ch23205 1RB0 QPSK

L

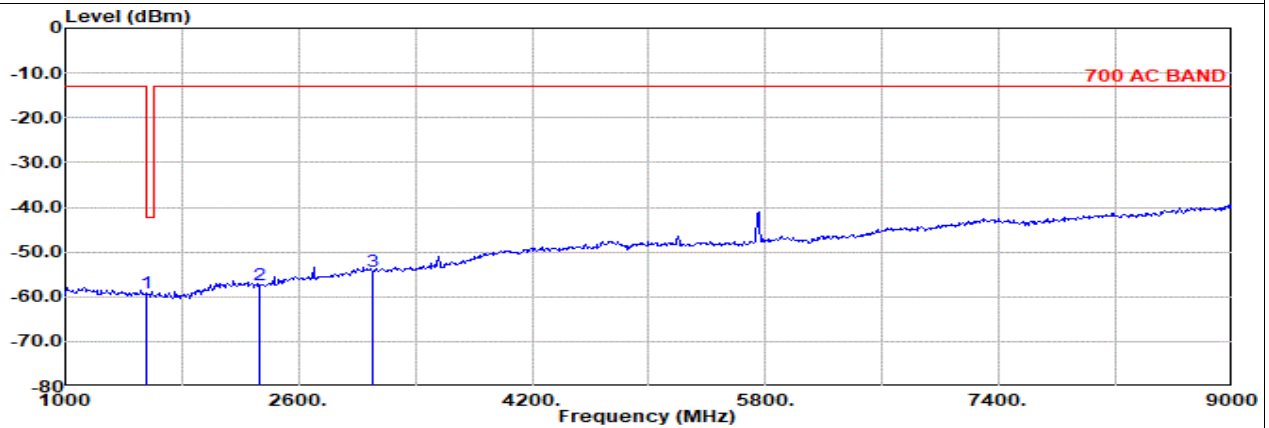


Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Horizontal

: LTE Band 13 5M Ch23205 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	1554.00	-58.81	RMS	25.52	-27.48	0.86	-95.23	37.52	-13.00	-45.81 Horizontal
2	2332.00	-57.29	RMS	27.22	-26.44	0.58	-95.23	36.58	-13.00	-44.29 Horizontal
3	3109.00	-54.00	RMS	29.82	-25.33	0.39	-95.23	36.35	-13.00	-41.00 Horizontal



Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Vertical

: LTE Band 13 5M Ch23205 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	1554.00	-59.21	RMS	25.52	-27.48	0.86	-95.23	37.12	-13.00	-46.21 Vertical
2	2332.02	-57.40	RMS	27.22	-26.44	0.58	-95.23	36.47	-13.00	-44.40 Vertical
3	3109.36	-54.32	RMS	29.82	-25.33	0.39	-95.23	36.03	-13.00	-41.32 Vertical

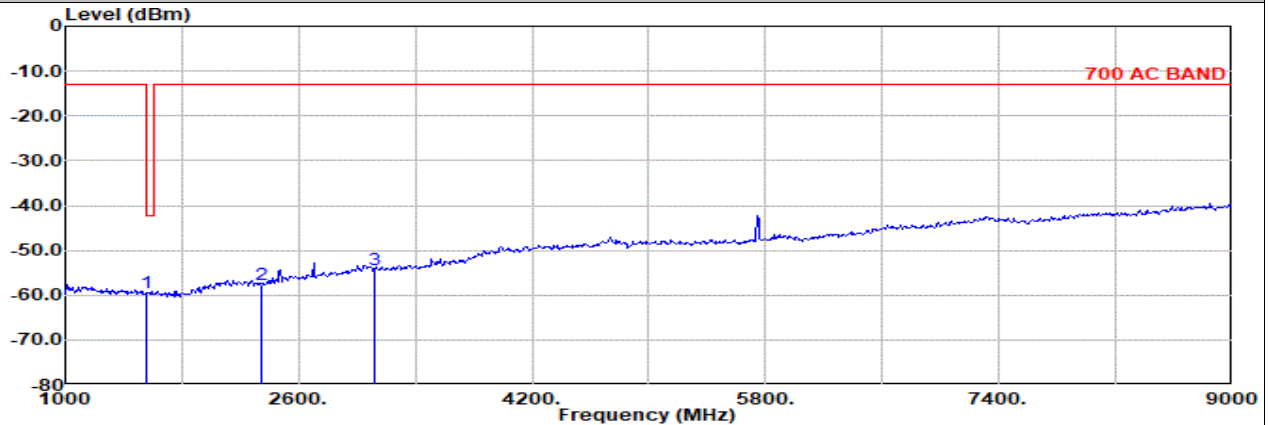


Main Antenna

Part 27F Mode 1

LTE B13 5M Ch23230 1RB0 QPSK

M

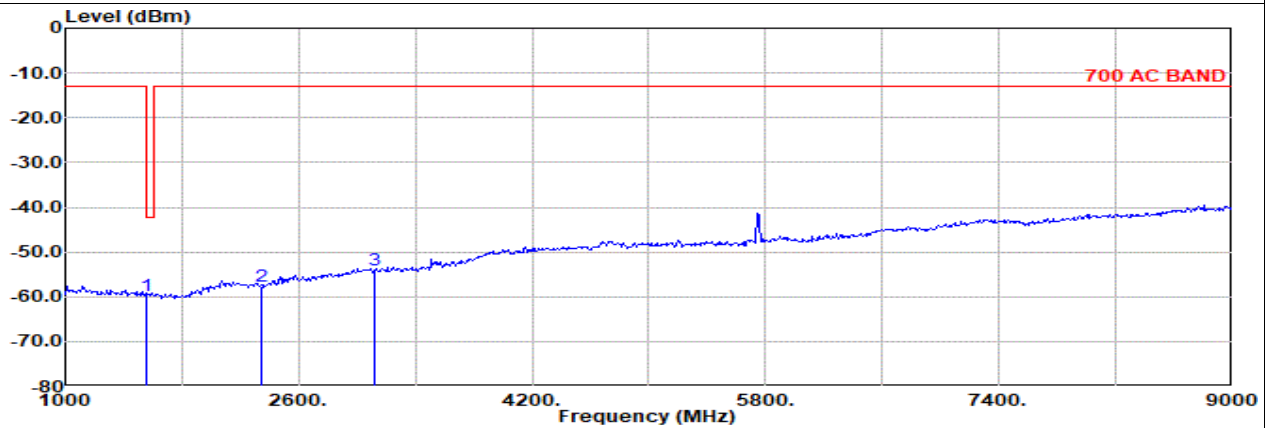


Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Horizontal

: LTE Band 13 5M Ch23230 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	1559.00	-59.62	RMS	25.42	-27.47	0.85	-95.23	36.81	-42.15	-17.47 Horizontal
2	2339.00	-57.67	RMS	27.29	-26.44	0.58	-95.23	36.13	-13.00	-44.67 Horizontal
3	3119.00	-54.27	RMS	29.84	-25.33	0.39	-95.23	36.06	-13.00	-41.27 Horizontal



Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Vertical

: LTE Band 13 5M Ch23230 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	1559.00	-59.80	RMS	25.42	-27.47	0.85	-95.23	36.63	-42.15	-17.65 Vertical
2	2339.00	-57.52	RMS	27.29	-26.44	0.58	-95.23	36.28	-13.00	-44.52 Vertical
3	3119.00	-54.04	RMS	29.84	-25.33	0.39	-95.23	36.29	-13.00	-41.04 Vertical

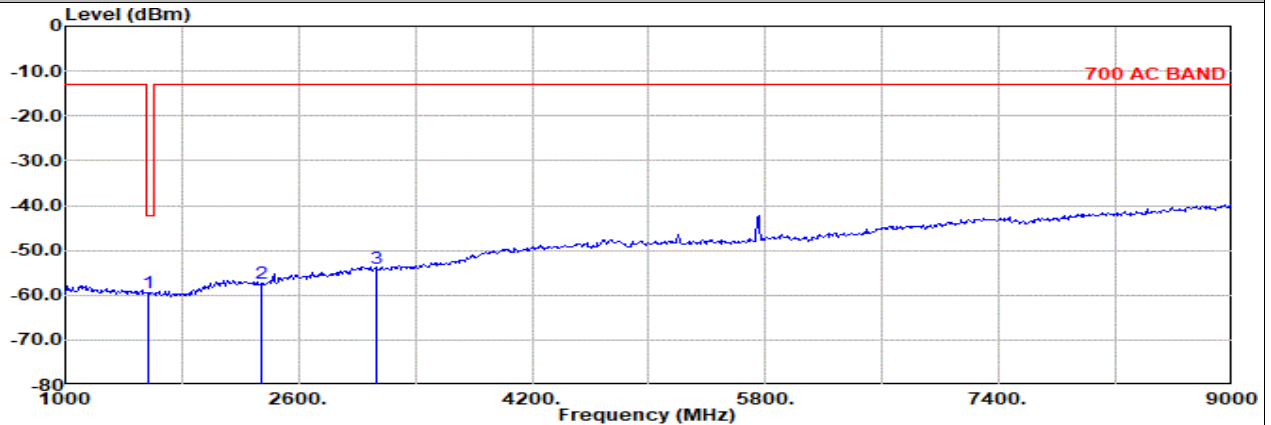


Main Antenna

Part 27F Mode 1

LTE B13 5M Ch23255 1RB0 QPSK

H

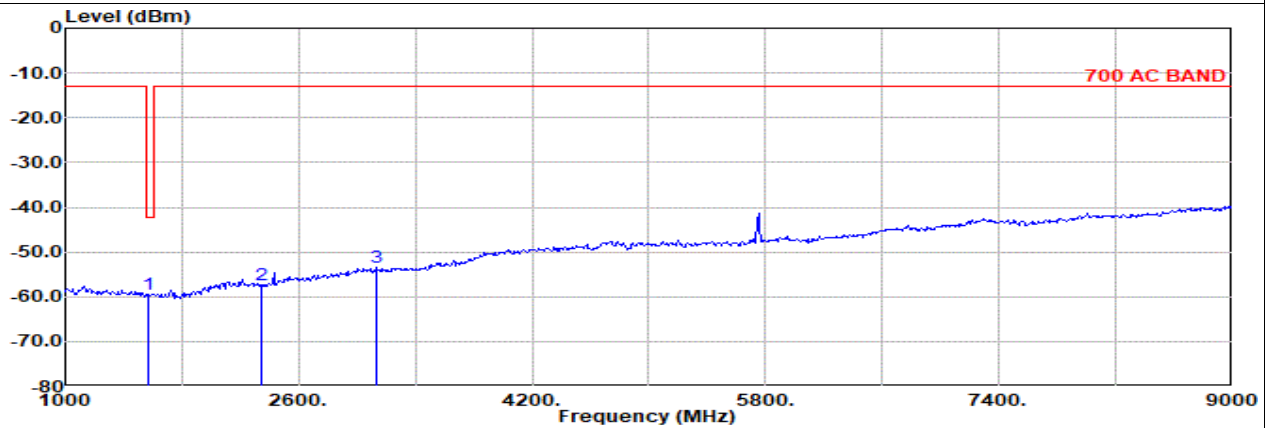


Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Horizontal

: LTE Band 13 5M Ch23255 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	1564.00	-59.49	RMS	25.40	-27.45	0.84	-95.23	36.95	-42.15	-17.34
2	2347.00	-57.27	RMS	27.30	-26.44	0.57	-95.23	36.53	-13.00	-44.27
3	3129.00	-53.97	RMS	29.86	-25.32	0.39	-95.23	36.33	-13.00	-40.97



Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Vertical

: LTE Band 13 5M Ch23255 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	1564.00	-59.34	RMS	25.40	-27.45	0.84	-95.23	37.10	-42.15	-17.19
2	2347.00	-57.34	RMS	27.30	-26.44	0.57	-95.23	36.46	-13.00	-44.34
3	3129.00	-53.44	RMS	29.86	-25.32	0.39	-95.23	36.86	-13.00	-40.44

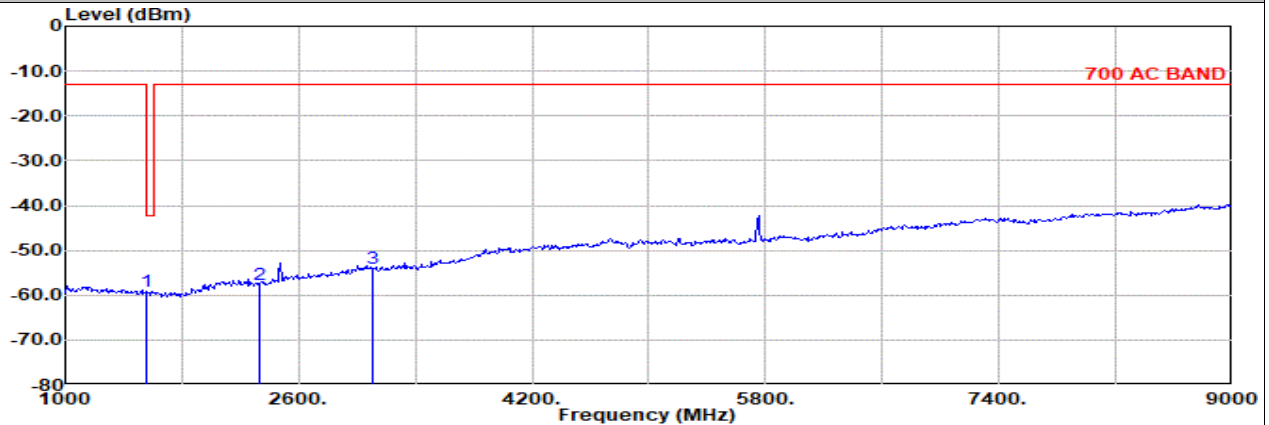


Main Antenna

Part 27F Mode 2

LTE B13 10M Ch23230 1RB0 QPSK

M

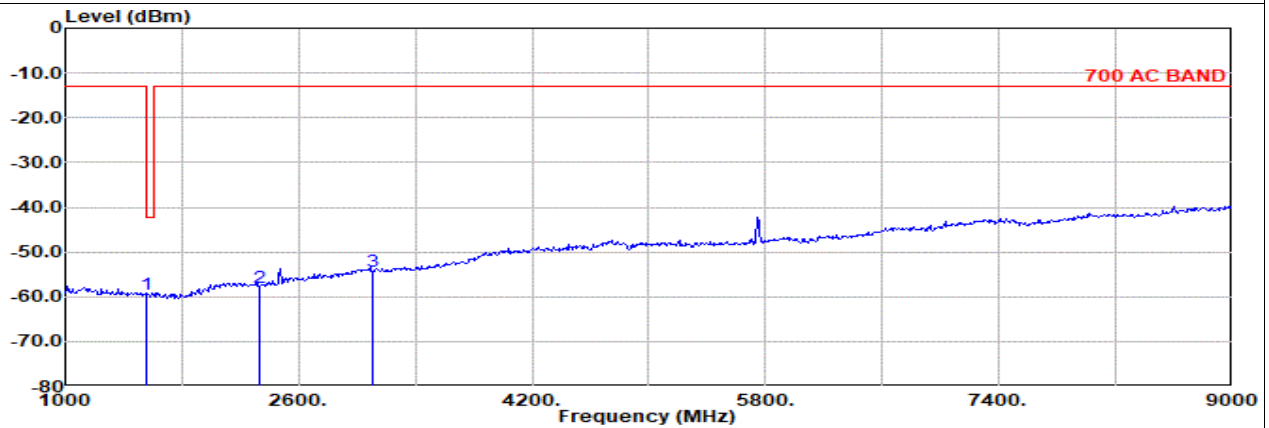


Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Horizontal

: LTE Band 13 10M Ch23230 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF		Readin g	Limit g	Margin Pol	
				Factor	1	dB	dB			dB	
1	1555.00	-59.15	RMS	25.50	-27.48	0.85	-95.23	37.21	-13.00	-46.15	Horizontal
2	2332.00	-57.54	RMS	27.22	-26.44	0.58	-95.23	36.33	-13.00	-44.54	Horizontal
3	3110.00	-53.98	RMS	29.82	-25.33	0.39	-95.23	36.37	-13.00	-40.98	Horizontal



Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Vertical

: LTE Band 13 10M Ch23230 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF		Readin g	Limit g	Margin Pol	
				Factor	1	dB	dB			dB	
1	1555.00	-59.44	RMS	25.50	-27.48	0.85	-95.23	36.92	-13.00	-46.44	Vertical
2	2332.00	-57.86	RMS	27.22	-26.44	0.58	-95.23	36.01	-13.00	-44.86	Vertical
3	3110.00	-54.38	RMS	29.82	-25.33	0.39	-95.23	35.97	-13.00	-41.38	Vertical

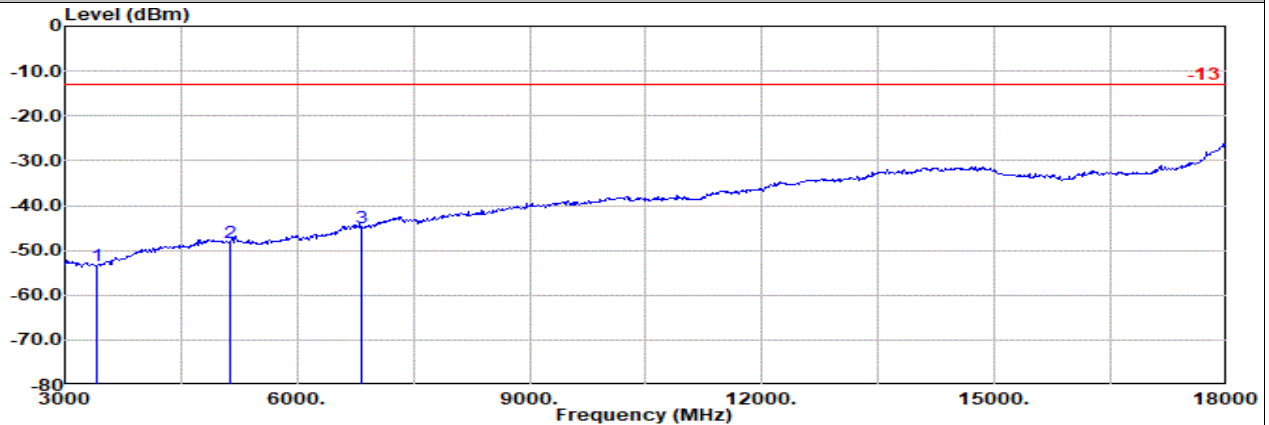


Main Antenna

Part 27L Mode 22

LTE B66 20M Ch132072 1RB0 QPSK

L

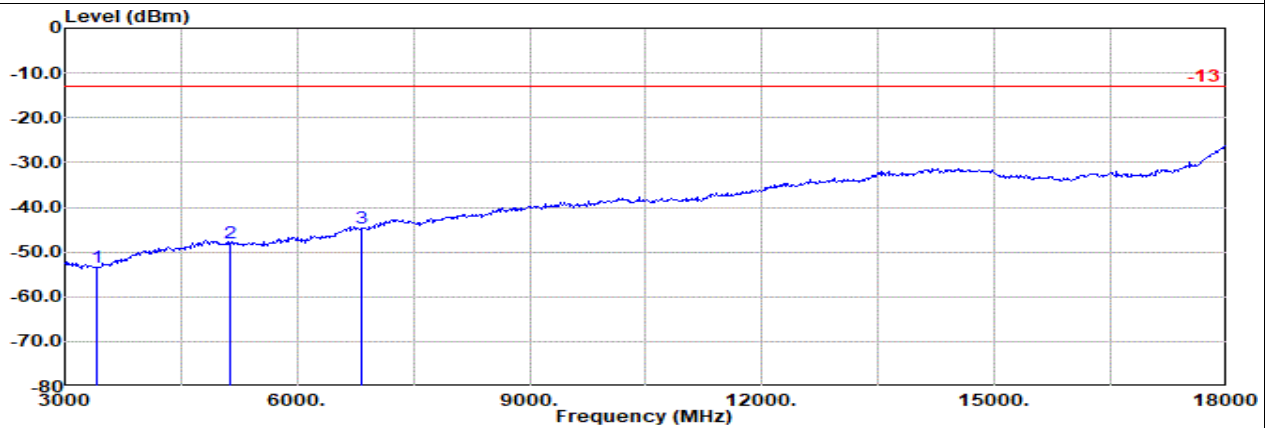


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

: LTE Band 66 20M Ch132072 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	3420.00	-53.49	RMS	29.66	-24.68	1.05	-95.23	35.71	-13.00	-40.49	Horizontal			
2	5130.00	-48.33	RMS	33.32	-22.37	0.47	-95.23	35.48	-13.00	-35.33	Horizontal			
3	6840.00	-44.93	RMS	36.10	-20.99	0.34	-95.23	34.85	-13.00	-31.93	Horizontal			



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

: LTE Band 66 20M Ch132072 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	3420.00	-53.49	RMS	29.66	-24.68	1.05	-95.23	35.71	-13.00	-40.49	Vertical			
2	5130.00	-47.99	RMS	33.32	-22.37	0.47	-95.23	35.82	-13.00	-34.99	Vertical			
3	6840.00	-44.74	RMS	36.10	-20.99	0.34	-95.23	35.04	-13.00	-31.74	Vertical			

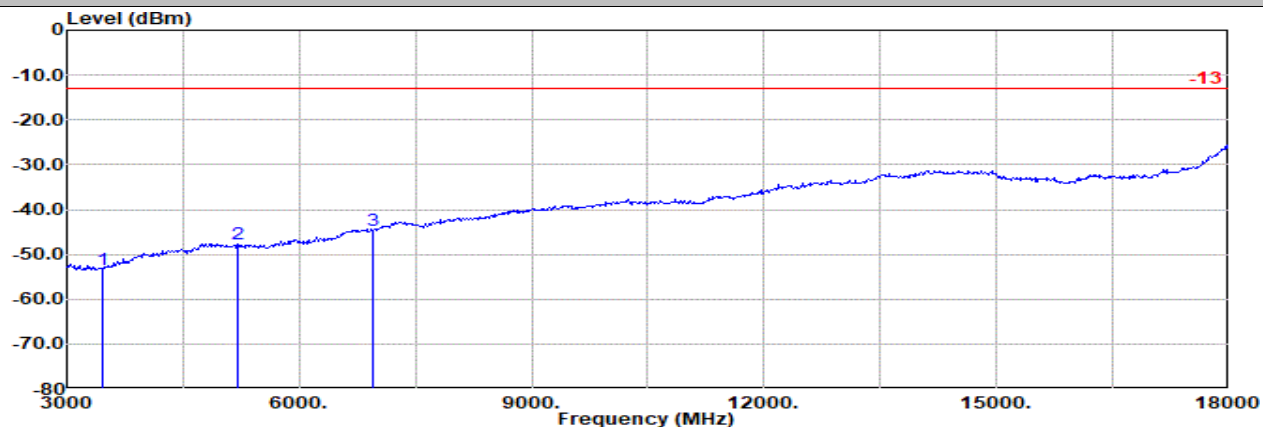


Main Antenna

Part 27L Mode 22

LTE B66 20M Ch132322 1RB0 QPSK

M

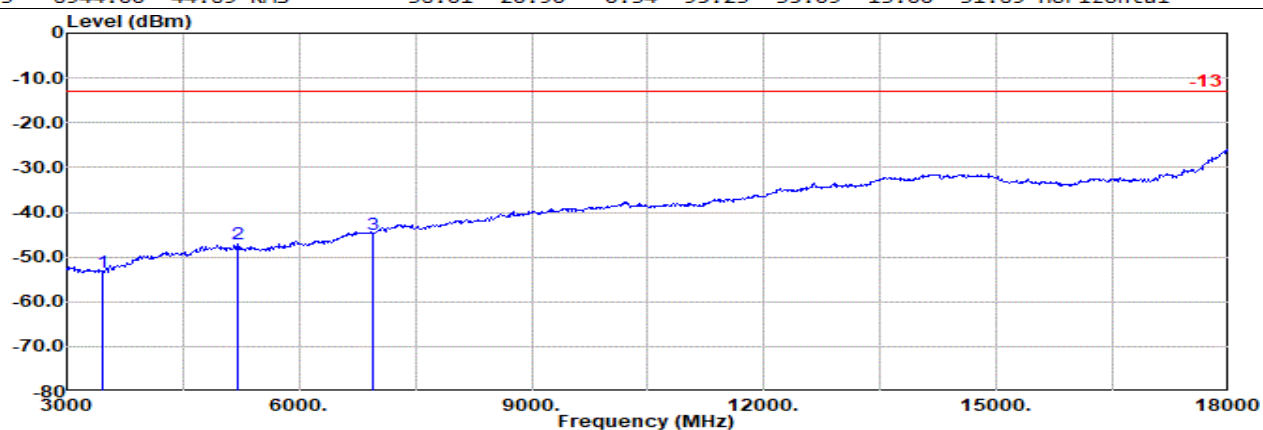


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

: LTE Band 66 20M Ch132322 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	3472.00	-53.35	RMS	29.60	-24.39	0.99	-95.23	35.68	-13.00	-40.35 Horizontal
2	5208.00	-47.81	RMS	33.28	-22.20	0.47	-95.23	35.87	-13.00	-34.81 Horizontal
3	6944.00	-44.69	RMS	36.01	-20.90	0.34	-95.23	35.09	-13.00	-31.69 Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

: LTE Band 66 20M Ch132322 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	3472.00	-53.41	RMS	29.60	-24.39	0.99	-95.23	35.62	-13.00	-40.41 Vertical
2	5208.00	-47.20	RMS	33.28	-22.20	0.47	-95.23	36.48	-13.00	-34.20 Vertical
3	6944.00	-44.97	RMS	36.01	-20.90	0.34	-95.23	34.81	-13.00	-31.97 Vertical

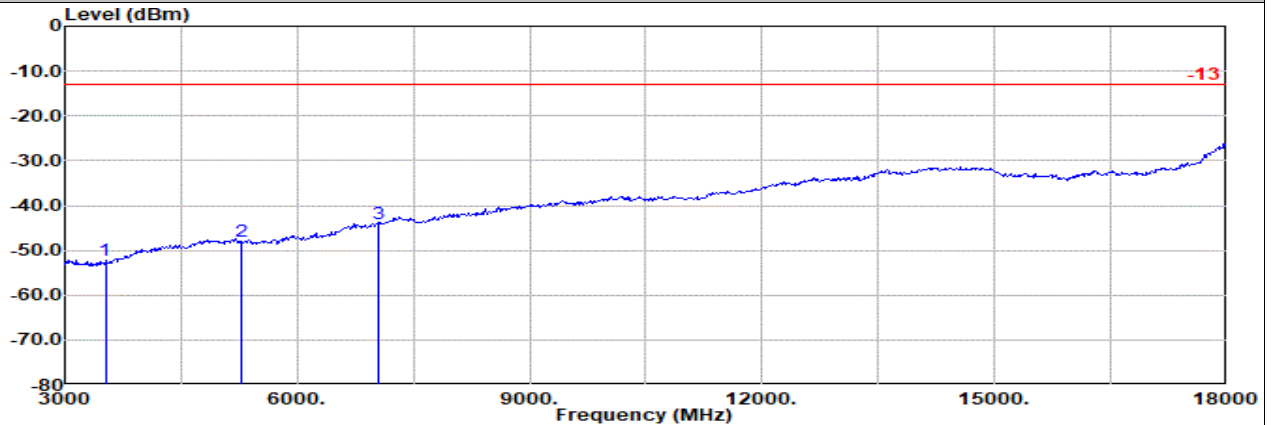


Main Antenna

Part 27L Mode 22

LTE B66 20M Ch132572 1RB0 QPSK

H

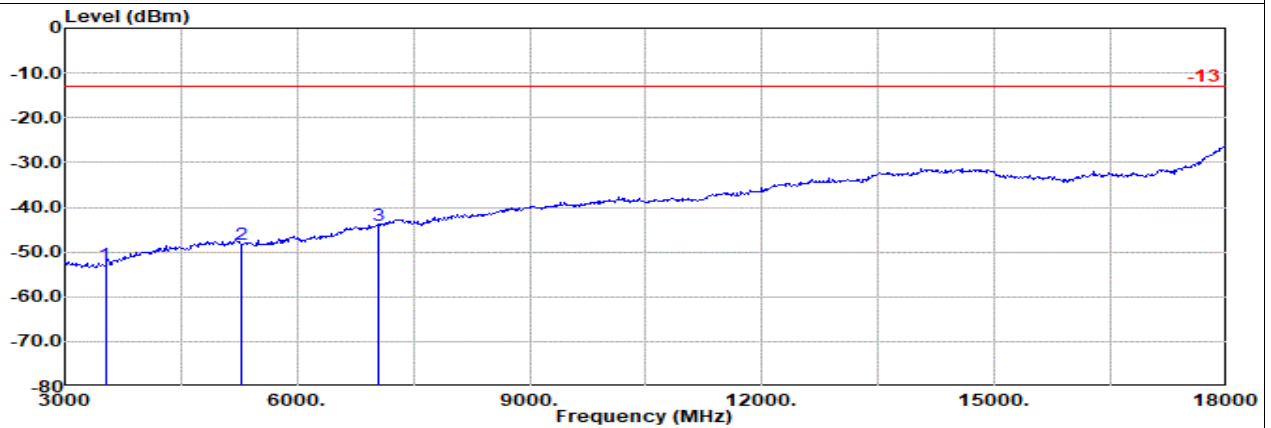


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

: 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	3522.00	-52.25	RMS	29.60	-24.11	0.94	-95.23	36.55	-13.00	-39.25 Horizontal
2	5283.00	-48.01	RMS	33.07	-21.80	0.45	-95.23	35.50	-13.00	-35.01 Horizontal
3	7044.00	-44.22	RMS	36.28	-20.87	0.34	-95.23	35.26	-13.00	-31.22 Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

: 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	3522.00	-52.88	RMS	29.60	-24.11	0.94	-95.23	35.92	-13.00	-39.88 Vertical
2	5283.00	-48.42	RMS	33.07	-21.80	0.45	-95.23	35.09	-13.00	-35.42 Vertical
3	7044.00	-44.21	RMS	36.28	-20.87	0.34	-95.23	35.27	-13.00	-31.21 Vertical

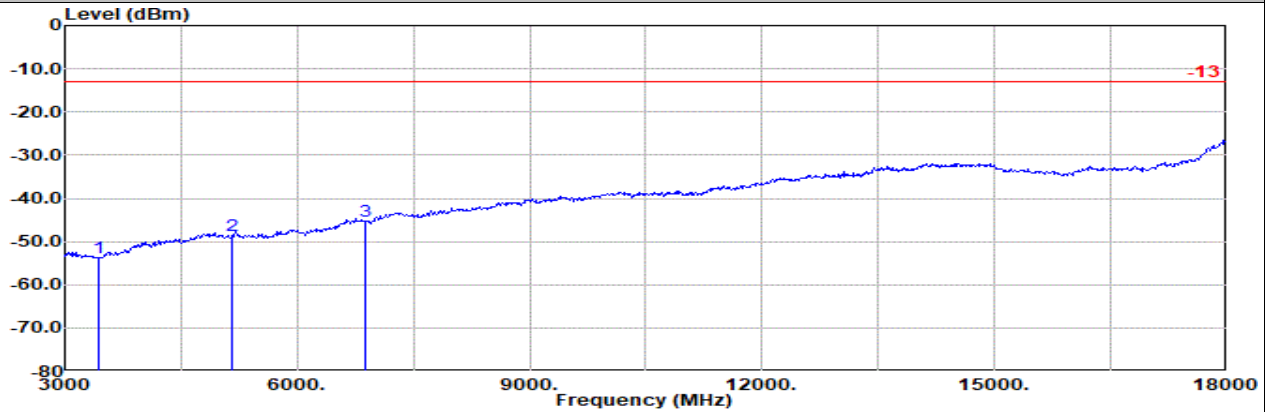


Main Antenna

Part 27L Mode 23

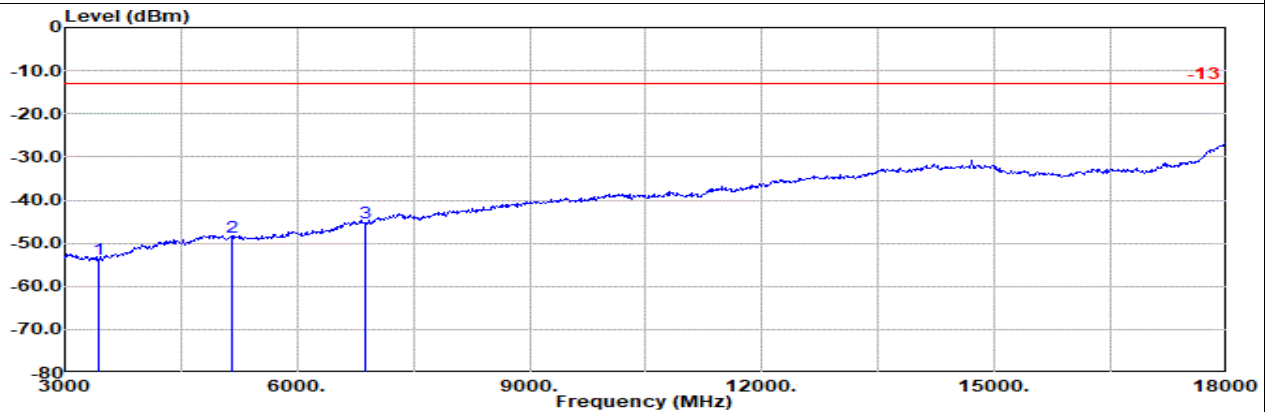
LTE CA B66B 10M + 10M Ch132022 1RB49 QPSK + Ch132121 1RB0 QPSK

L



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-240711 Horizontal
: LTE Band 66 10M Ch132022 1RB49 QPSK
: LTE Band 66 10M Ch132121 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin Limit		Margin Pol	
	MHz	dBm		Factor	dB		dBuV	dBm	dB	
1	3438.00	-53.83	RMS	29.62	-24.58	1.03 -95.23	35.33	-13.00	-40.83	Horizontal
2	5158.00	-48.70	RMS	33.38	-22.32	0.47 -95.23	35.00	-13.00	-35.70	Horizontal
3	6877.00	-45.28	RMS	36.10	-20.96	0.34 -95.23	34.47	-13.00	-32.28	Horizontal



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-240711 Vertical
: LTE Band 66 10M Ch132022 1RB49 QPSK
: LTE Band 66 10M Ch132121 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin Limit		Margin Pol	
	MHz	dBm		Factor	dB		dBuV	dBm	dB	
1	3438.00	-53.81	RMS	29.62	-24.58	1.03 -95.23	35.35	-13.00	-40.81	Vertical
2	5158.00	-48.46	RMS	33.38	-22.32	0.47 -95.23	35.24	-13.00	-35.46	Vertical
3	6877.00	-45.15	RMS	36.10	-20.96	0.34 -95.23	34.60	-13.00	-32.15	Vertical

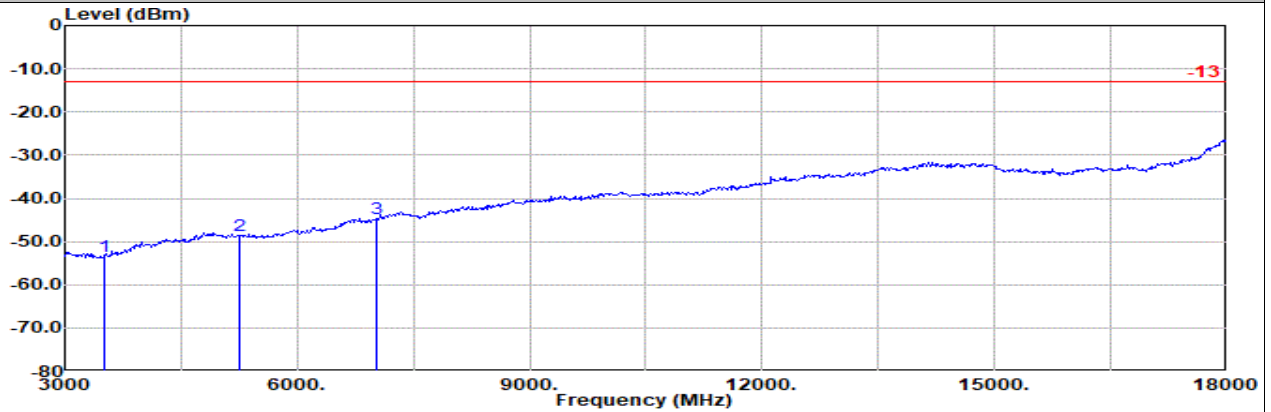


Main Antenna

Part 27L Mode 23

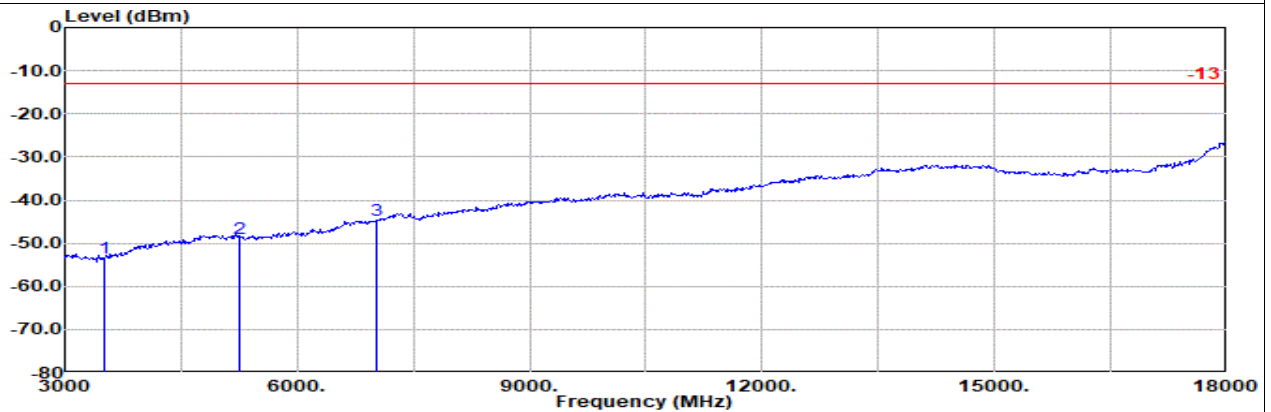
LTE CA B66B 10M + 10M Ch132373 1RB49 QPSK + Ch132472 1RB0 QPSK

M



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-240711 Horizontal
: LTE Band 66 10M Ch132373 1RB49 QPSK
: LTE Band 66 10M Ch132472 1RB0 QPSK

	Freq Level		Detector	Ant Factor		Amp\Cb		Filter	EIRPCF		Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB		dB	dB		dBuV	dBm	dB	
1	3509.00	-53.55	RMS	29.60	-24.19	0.96	-95.23	35.31	-13.00	-40.55	Horizontal				
2	5263.00	-48.60	RMS	33.15	-21.90	0.45	-95.23	34.93	-13.00	-35.60	Horizontal				
3	7018.00	-44.81	RMS	36.17	-20.86	0.34	-95.23	34.77	-13.00	-31.81	Horizontal				



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-240711 Vertical
: LTE Band 66 10M Ch132373 1RB49 QPSK
: LTE Band 66 10M Ch132472 1RB0 QPSK

	Freq Level		Detector	Ant Factor		Amp\Cb		Filter	EIRPCF		Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB		dB	dB		dBuV	dBm	dB	
1	3509.00	-53.33	RMS	29.60	-24.19	0.96	-95.23	35.53	-13.00	-40.33	Vertical				
2	5263.00	-48.95	RMS	33.15	-21.90	0.45	-95.23	34.58	-13.00	-35.95	Vertical				
3	7018.00	-44.63	RMS	36.17	-20.86	0.34	-95.23	34.95	-13.00	-31.63	Vertical				

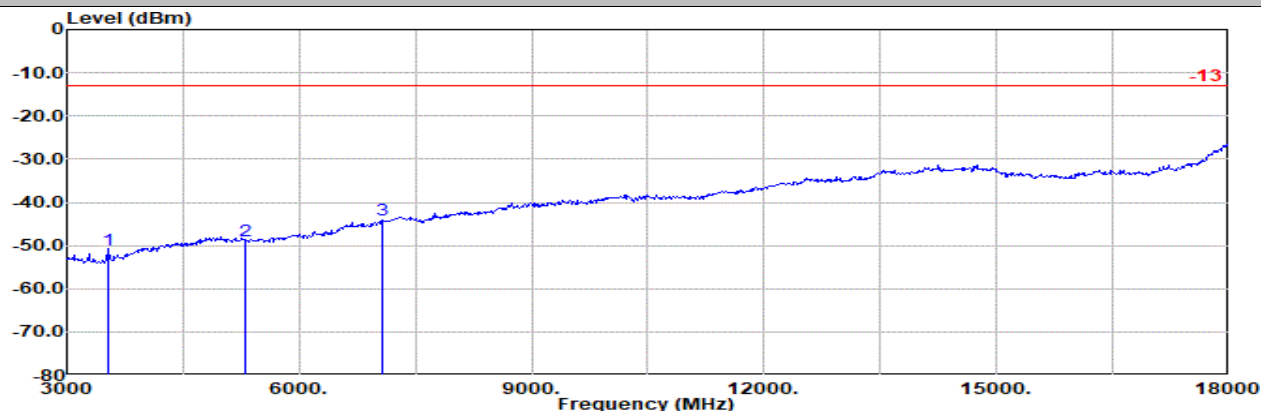


Main Antenna

Part 27L Mode 23

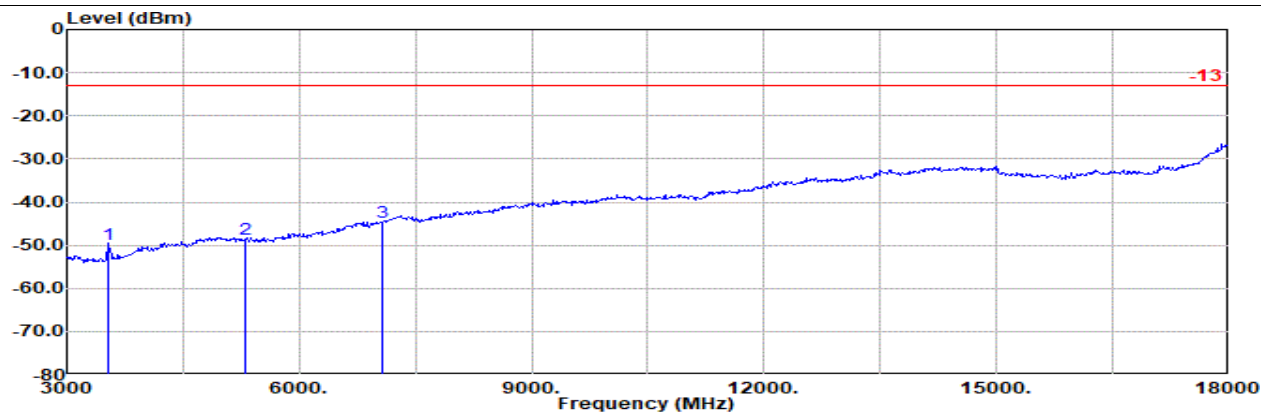
LTE CA B66B 10M + 10M Ch132523 1RB49 QPSK + Ch132622 1RB0 QPSK

H



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-240711 Horizontal
: LTE Band 66 10M Ch132523 1RB49 QPSK
: LTE Band 66 10M Ch132622 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF		Reading	Limit	Margin Pol	
					dB/m	dB		dB	dB				
1	3539.00	-51.11	RMS		29.60	-24.01	0.92	-95.23		37.61	-13.00	-38.11	Horizontal
2	5308.00	-48.97	RMS		33.02	-21.66	0.44	-95.23		34.46	-13.00	-35.97	Horizontal
3	7078.00	-44.17	RMS		36.47	-20.87	0.35	-95.23		35.11	-13.00	-31.17	Horizontal



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-240711 Vertical
: LTE Band 66 10M Ch132523 1RB49 QPSK
: LTE Band 66 10M Ch132622 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF		Reading	Limit	Margin Pol	
					dB/m	dB		dB	dB				
1	3539.00	-49.78	RMS		29.60	-24.01	0.92	-95.23		38.94	-13.00	-36.78	Vertical
2	5308.00	-48.67	RMS		33.02	-21.66	0.44	-95.23		34.76	-13.00	-35.67	Vertical
3	7078.00	-44.57	RMS		36.47	-20.87	0.35	-95.23		34.71	-13.00	-31.57	Vertical

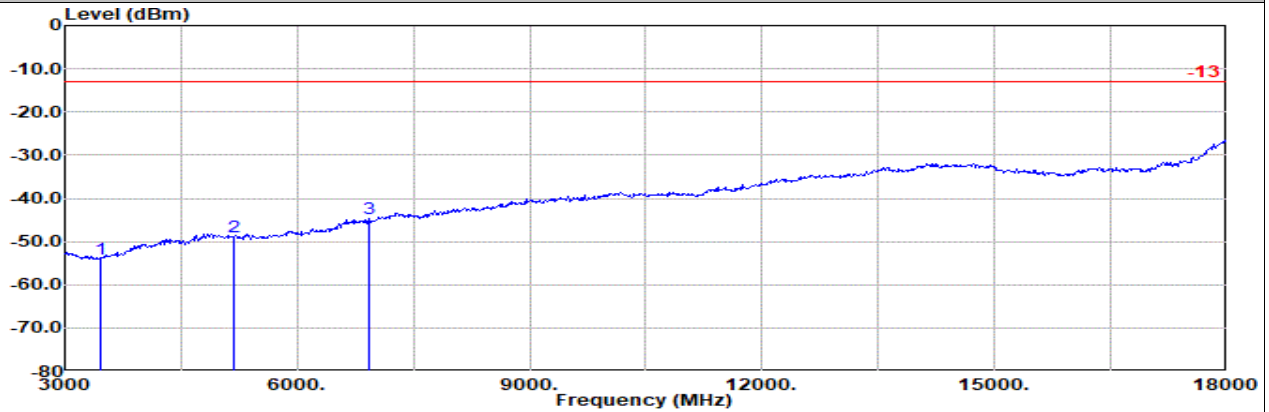


Main Antenna

Part 27L Mode 24

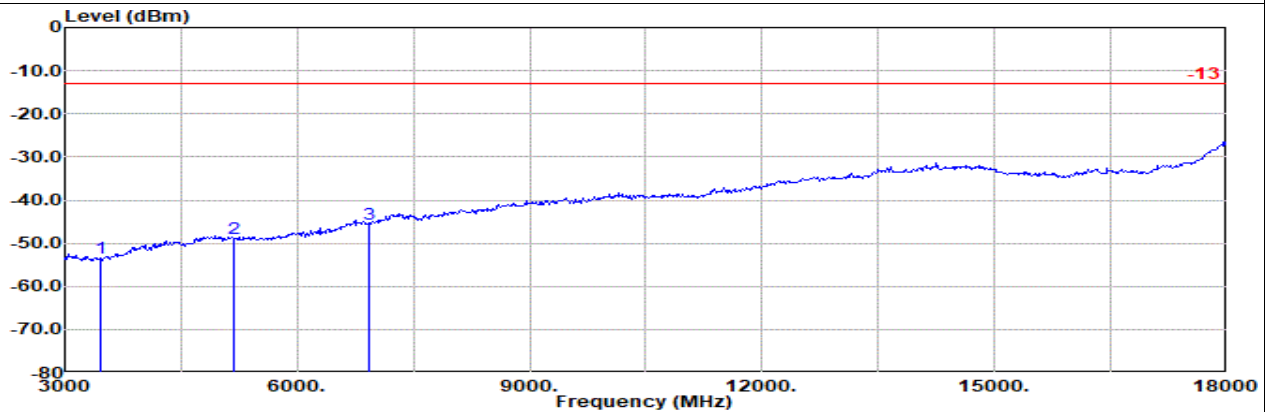
LTE CA B66C 20M + 20M Ch132072 1RB99 QPSK + Ch132270 1RB0 QPSK

L



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-240711 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	l				g		
	MHz	dBm		dB/m	dB	dB		dBuV	dBm		
1	3457.00	-53.96	RMS	29.60	-24.48	1.01	-95.23	35.14	-13.00	-40.96	Horizontal
2	5186.00	-49.06	RMS	33.33	-22.26	0.47	-95.23	34.63	-13.00	-36.06	Horizontal
3	6915.00	-44.64	RMS	36.07	-20.93	0.34	-95.23	35.11	-13.00	-31.64	Horizontal



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-240711 Vertical
: LTE Band 66 20M Ch132072 1RB99 QPSK
: LTE Band 66 20M Ch132270 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3457.00	-53.51	RMS	29.60	-24.48	1.01	-95.23	35.59	-13.00	-40.51	Vertical
2	5186.00	-49.01	RMS	33.33	-22.26	0.47	-95.23	34.68	-13.00	-36.01	Vertical
3	6915.00	-45.54	RMS	36.07	-20.93	0.34	-95.23	34.21	-13.00	-32.54	Vertical

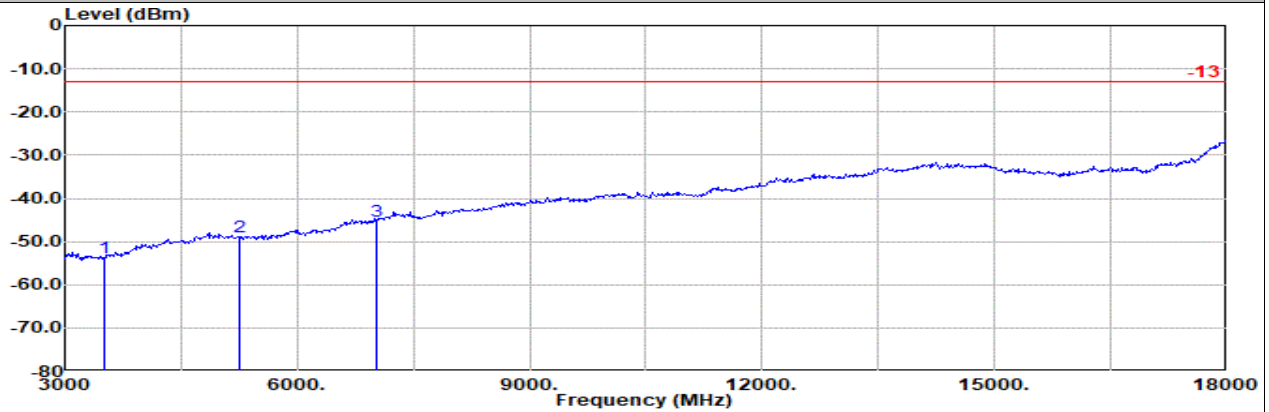


Main Antenna

Part 27L Mode 24

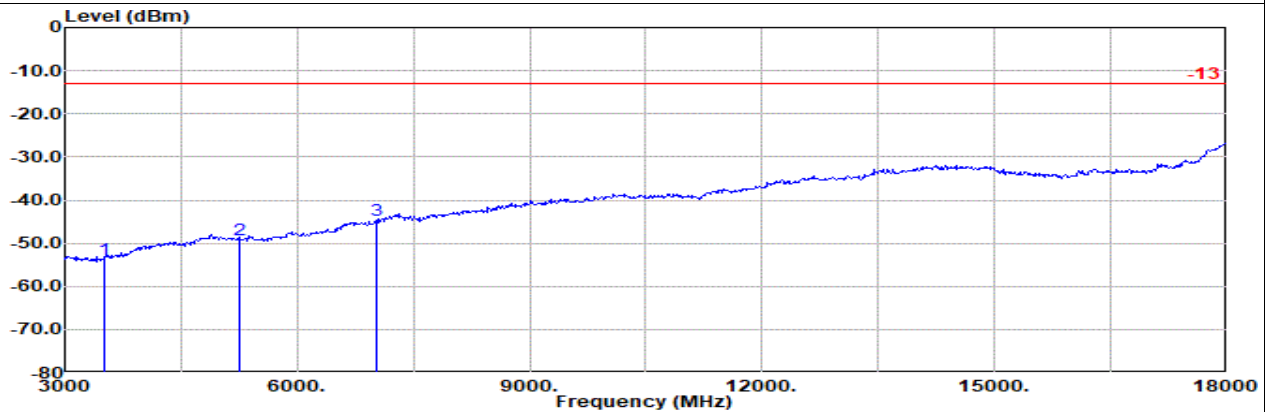
LTE CA B66C 20M + 20M Ch132323 1RB99 QPSK + Ch132521 1RB0 QPSK

M



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-240711 Horizontal
: LTE Band 66 20M Ch132323 1RB99 QPSK
: LTE Band 66 20M Ch132521 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb		Filter	EIRPCF		Readin g	Limit	Margin Pol	
	MHz	dBm		Factor	dB		dB	dB				
1	3508.00	-53.67	RMS	29.60	-24.19	0.96	-95.23	35.19	-13.00	-40.67	Horizontal	
2	5262.00	-48.82	RMS	33.15	-21.91	0.45	-95.23	34.72	-13.00	-35.82	Horizontal	
3	7016.00	-45.33	RMS	36.16	-20.86	0.34	-95.23	34.26	-13.00	-32.33	Horizontal	



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-240711 Vertical
: LTE Band 66 20M Ch132323 1RB99 QPSK
: LTE Band 66 20M Ch132521 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb		Filter	EIRPCF		Readin g	Limit	Margin Pol	
	MHz	dBm		Factor	dB		dB	dB				
1	3508.00	-53.80	RMS	29.60	-24.19	0.96	-95.23	35.06	-13.00	-40.80	Vertical	
2	5262.00	-49.07	RMS	33.15	-21.91	0.45	-95.23	34.47	-13.00	-36.07	Vertical	
3	7016.00	-44.65	RMS	36.16	-20.86	0.34	-95.23	34.94	-13.00	-31.65	Vertical	

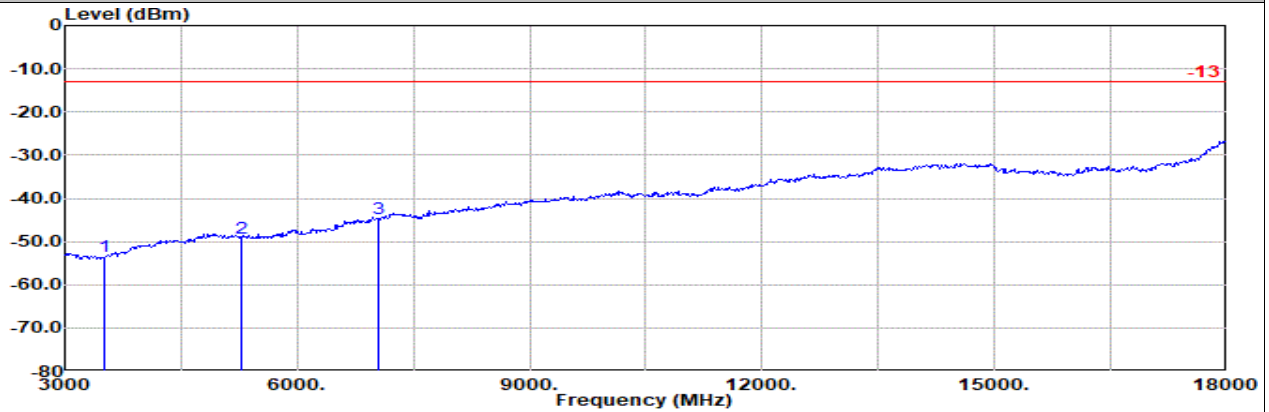


Main Antenna

Part 27L Mode 24

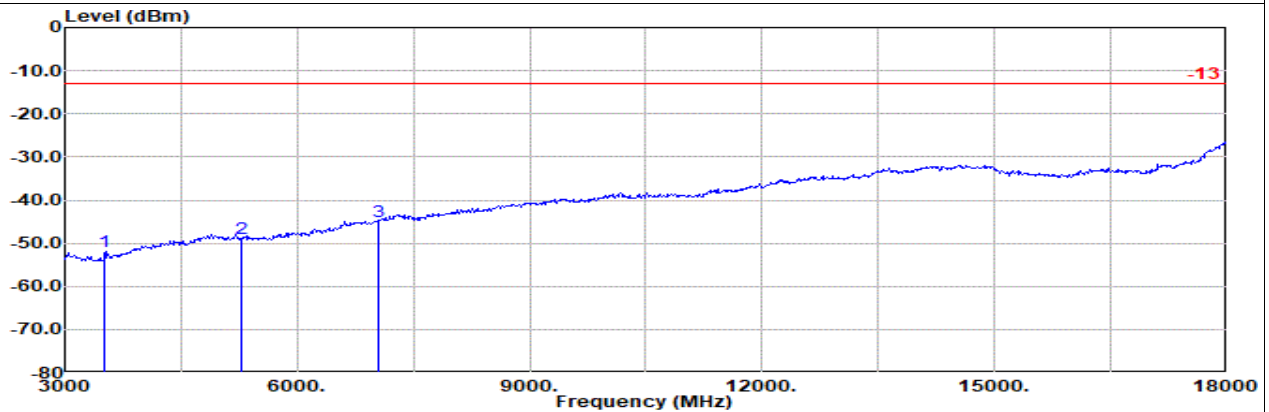
LTE CA B66C 20M + 20M Ch132374 1RB99 QPSK + Ch132572 1RB0 QPSK

H



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-240711 Horizontal
: LTE Band 66 20M Ch132374 1RB99 QPSK
: LTE Band 66 20M Ch132572 1RB0 QPSK

	Freq Level		Detector	Ant Factor		Amp\Cb		Filter	EIRPCF		Readin g	Limit	Margin Pol	
	MHz	dBm		dB/m	dB	dB	dB		dB	dB		dBm	dB	
1	3518.00	-53.53	RMS	29.60	-24.14	0.95	-95.23		35.29	-13.00	-40.53	Horizontal		
2	5277.00	-49.12	RMS	33.09	-21.83	0.45	-95.23		34.40	-13.00	-36.12	Horizontal		
3	7036.00	-44.78	RMS	36.24	-20.87	0.34	-95.23		34.74	-13.00	-31.78	Horizontal		



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-240711 Vertical
: LTE Band 66 20M Ch132374 1RB99 QPSK
: LTE Band 66 20M Ch132572 1RB0 QPSK

	Freq Level		Detector	Ant Factor		Amp\Cb		Filter	EIRPCF		Readin g	Limit	Margin Pol	
	MHz	dBm		dB/m	dB	dB	dB		dB	dB		dBm	dB	
1	3518.00	-51.98	RMS	29.60	-24.14	0.95	-95.23		36.84	-13.00	-38.98	Vertical		
2	5277.00	-48.92	RMS	33.09	-21.83	0.45	-95.23		34.60	-13.00	-35.92	Vertical		
3	7036.00	-44.88	RMS	36.24	-20.87	0.34	-95.23		34.64	-13.00	-31.88	Vertical		

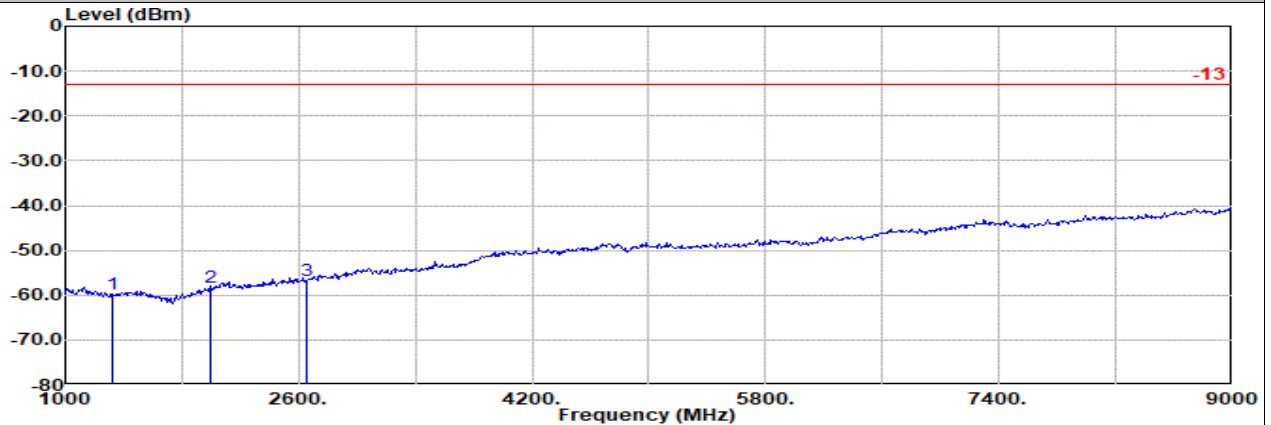


Main Antenna

Part 27N Mode 43

LTE B71 20M Ch133222 1RB0 QPSK

L

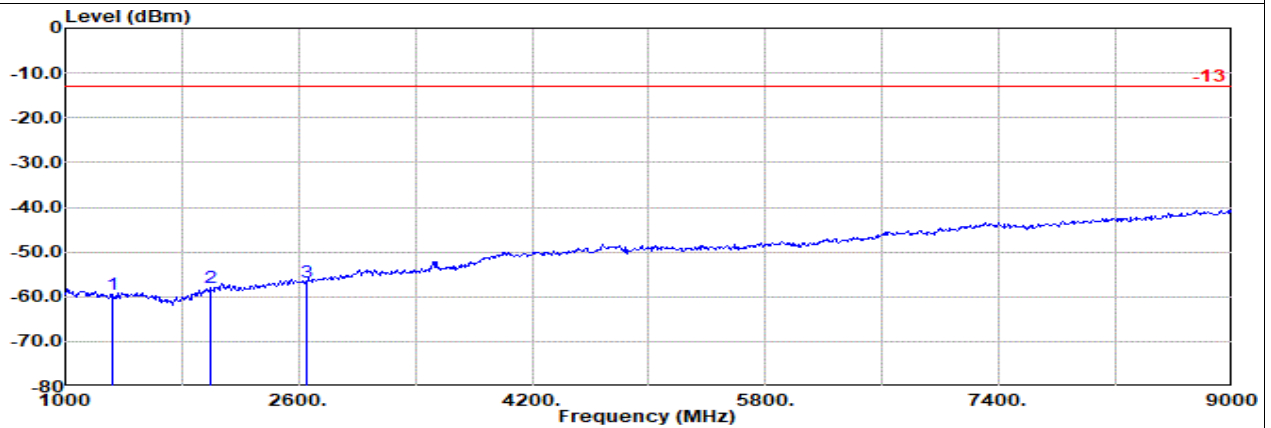


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 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/m	dB	dB	dB	dBuV	dBm	dB
1	1328.00	-59.70	RMS	25.94	-28.32	1.12	-95.23	36.79	-13.00	-46.70
2	1992.00	-58.24	RMS	26.88	-26.72	0.63	-95.23	36.20	-13.00	-45.24
3	2656.00	-56.66	RMS	28.30	-25.99	0.45	-95.23	35.81	-13.00	-43.66



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 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/m	dB	dB	dB	dBuV	dBm	dB
1	1328.00	-59.51	RMS	25.94	-28.32	1.12	-95.23	36.98	-13.00	-46.51
2	1992.00	-57.95	RMS	26.88	-26.72	0.63	-95.23	36.49	-13.00	-44.95
3	2656.00	-56.62	RMS	28.30	-25.99	0.45	-95.23	35.85	-13.00	-43.62

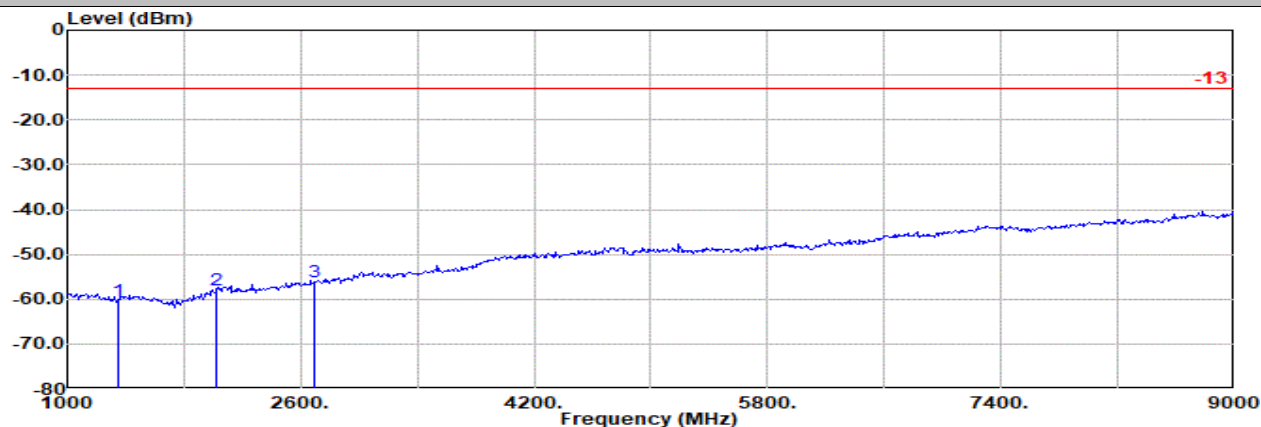


Main Antenna

Part 27N Mode 43

LTE B71 20M Ch133322 1RB0 QPSK

M

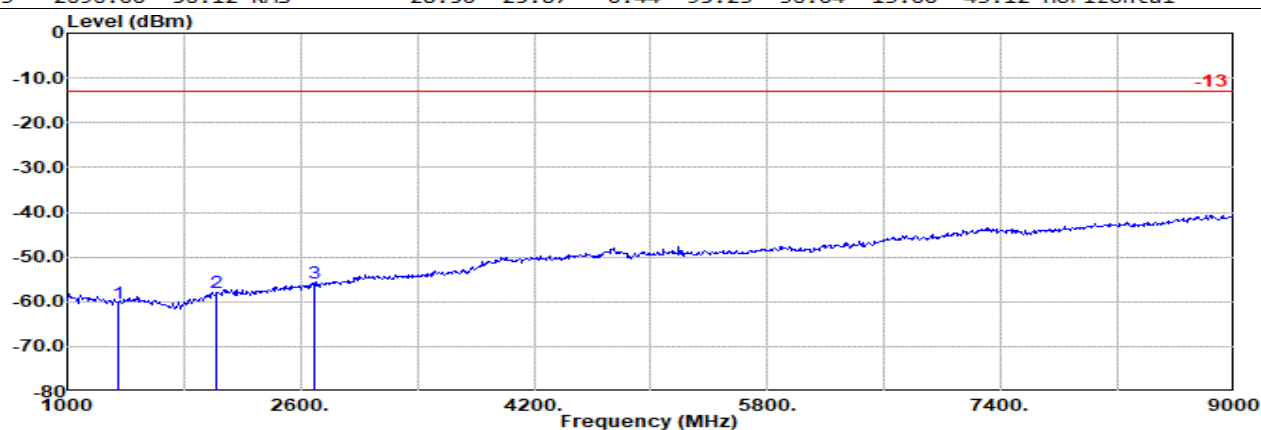


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

: LTE Band 71 20M Ch133322 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	1348.00	-60.37	RMS	25.90	-28.26	1.12	-95.23	36.10	-13.00	-47.37 Horizontal
2	2022.00	-58.09	RMS	26.96	-26.68	0.63	-95.23	36.23	-13.00	-45.09 Horizontal
3	2696.00	-56.12	RMS	28.50	-25.87	0.44	-95.23	36.04	-13.00	-43.12 Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

: LTE Band 71 20M Ch133322 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	1348.00	-60.48	RMS	25.90	-28.26	1.12	-95.23	35.99	-13.00	-47.48 Vertical
2	2022.00	-58.10	RMS	26.96	-26.68	0.63	-95.23	36.22	-13.00	-45.10 Vertical
3	2696.00	-55.87	RMS	28.50	-25.87	0.44	-95.23	36.29	-13.00	-42.87 Vertical

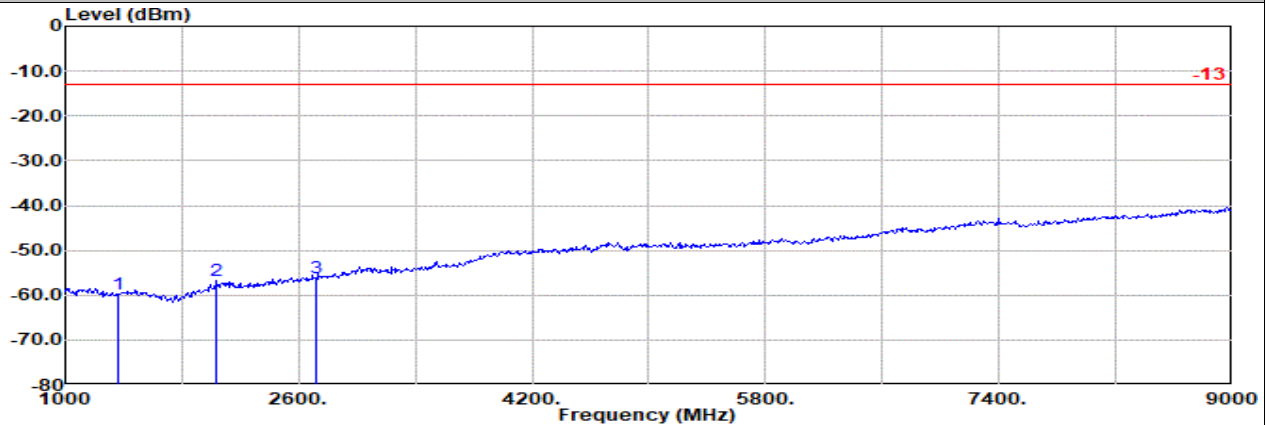


Main Antenna

Part 27N Mode 43

LTE B71 20M Ch133372 1RB0 QPSK

H

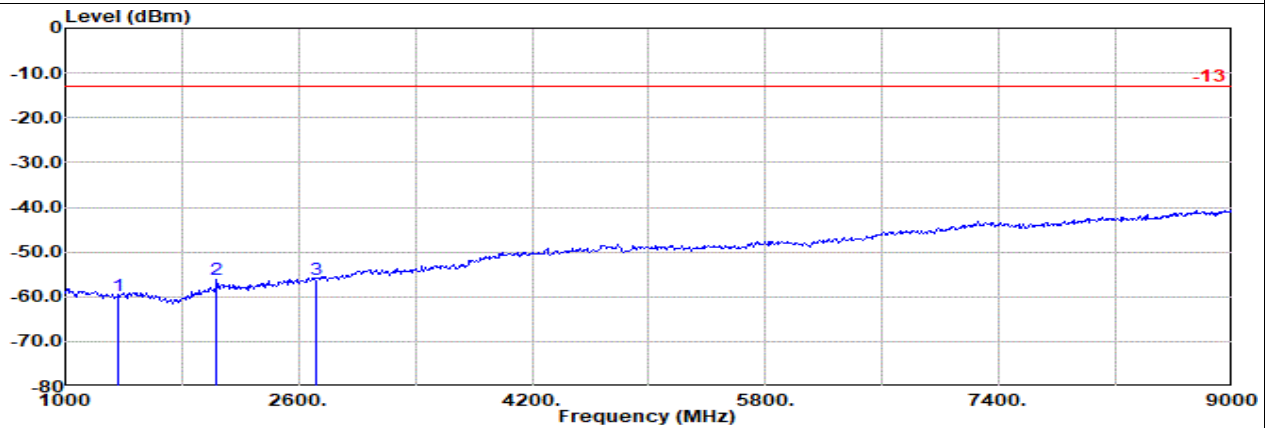


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

: LTE Band 71 20M Ch133372 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin	Limit	Margin		Pol
				Factor	1		dB	dB					
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB		
1	1358.00	-59.66	RMS		25.82	-28.24	1.12	-95.23	36.87	-13.00	-46.66		Horizontal
2	2037.00	-56.90	RMS		27.27	-26.66	0.64	-95.23	37.08	-13.00	-43.90		Horizontal
3	2716.00	-56.16	RMS		28.60	-25.81	0.43	-95.23	35.85	-13.00	-43.16		Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

: LTE Band 71 20M Ch133372 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin	Limit	Margin		Pol
				Factor	1		dB	dB					
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB		
1	1358.00	-59.76	RMS		25.82	-28.24	1.12	-95.23	36.77	-13.00	-46.76		Vertical
2	2037.00	-56.00	RMS		27.27	-26.66	0.64	-95.23	37.98	-13.00	-43.00		Vertical
3	2716.00	-56.08	RMS		28.60	-25.81	0.43	-95.23	35.93	-13.00	-43.08		Vertical

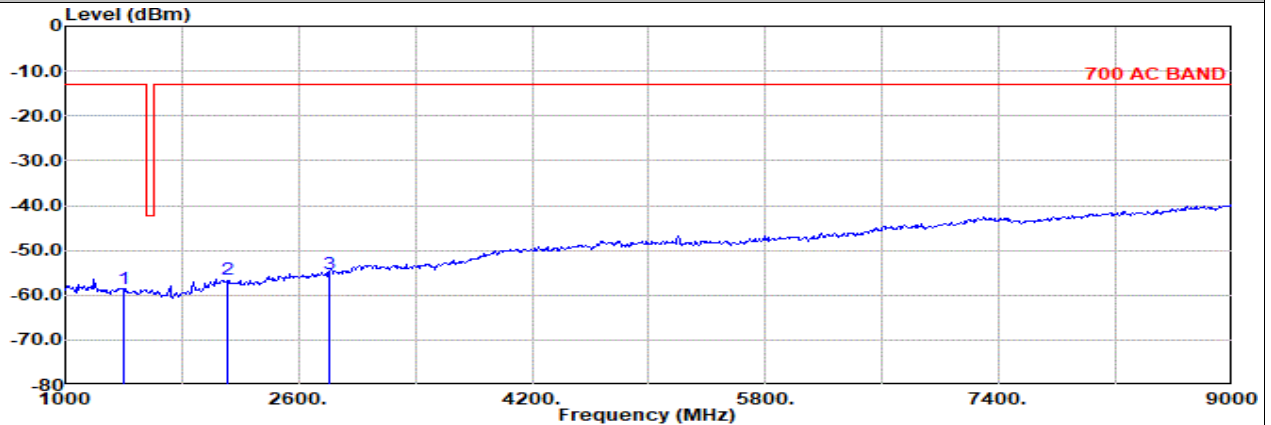


Main Antenna

Part 27H Mode 51

LTE B12 10M Ch23095 1RB0 QPSK

M

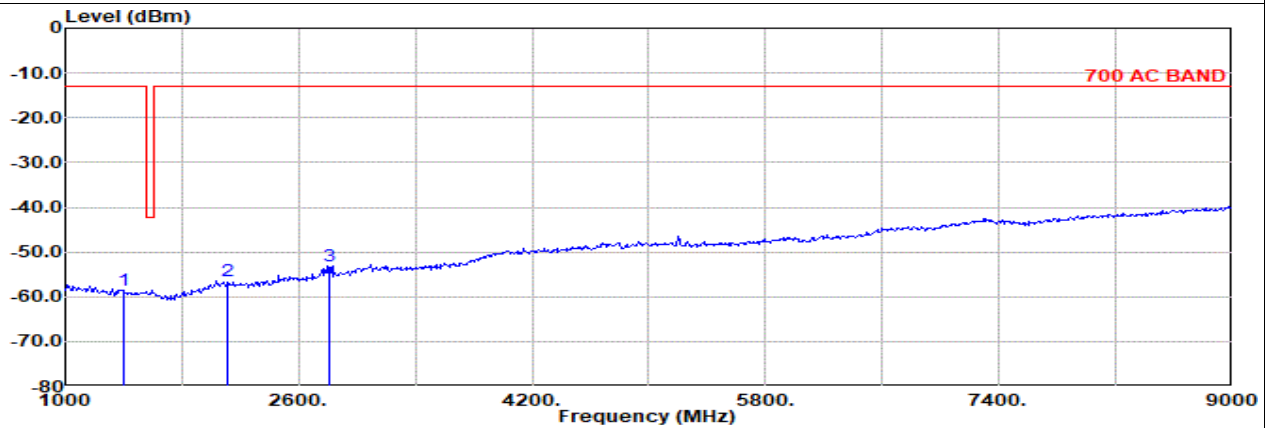


Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Horizontal

: LTE Band 12 10M Ch23095 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	1406.00	-58.52	RMS	25.78	-28.09	1.10	-95.23	37.92	-13.00	-45.52 Horizontal
2	2109.00	-56.48	RMS	27.48	-26.57	0.65	-95.23	37.19	-13.00	-43.48 Horizontal
3	2812.00	-55.17	RMS	28.50	-25.54	0.41	-95.23	36.69	-13.00	-42.17 Horizontal



Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Vertical

: LTE Band 12 10M Ch23095 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	1406.00	-58.47	RMS	25.78	-28.09	1.10	-95.23	37.97	-13.00	-45.47 Vertical
2	2109.00	-56.44	RMS	27.48	-26.57	0.65	-95.23	37.23	-13.00	-43.44 Vertical
3	2812.00	-53.22	RMS	28.50	-25.54	0.41	-95.23	38.64	-13.00	-40.22 Vertical

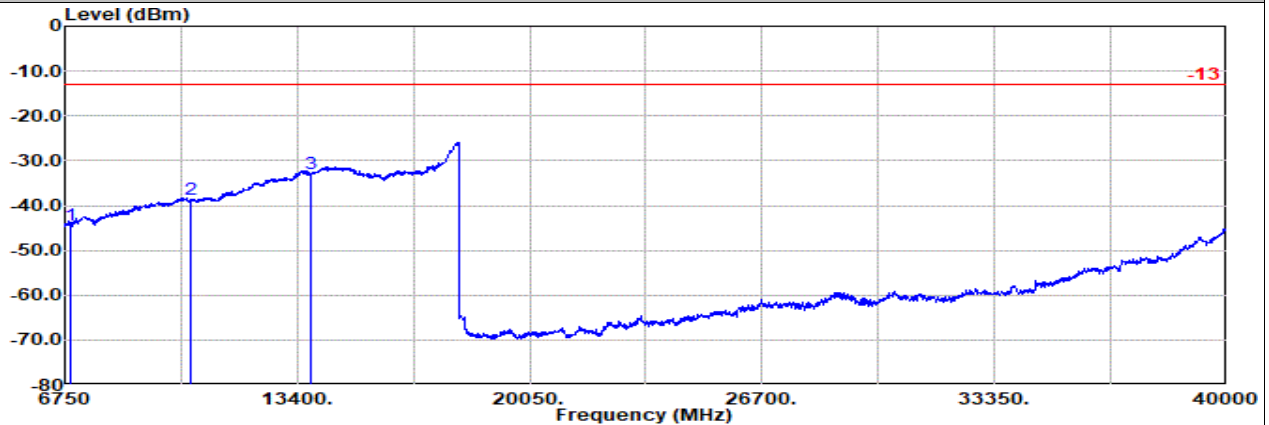


MIMO2 Antenna

Part 27Q Mode 55

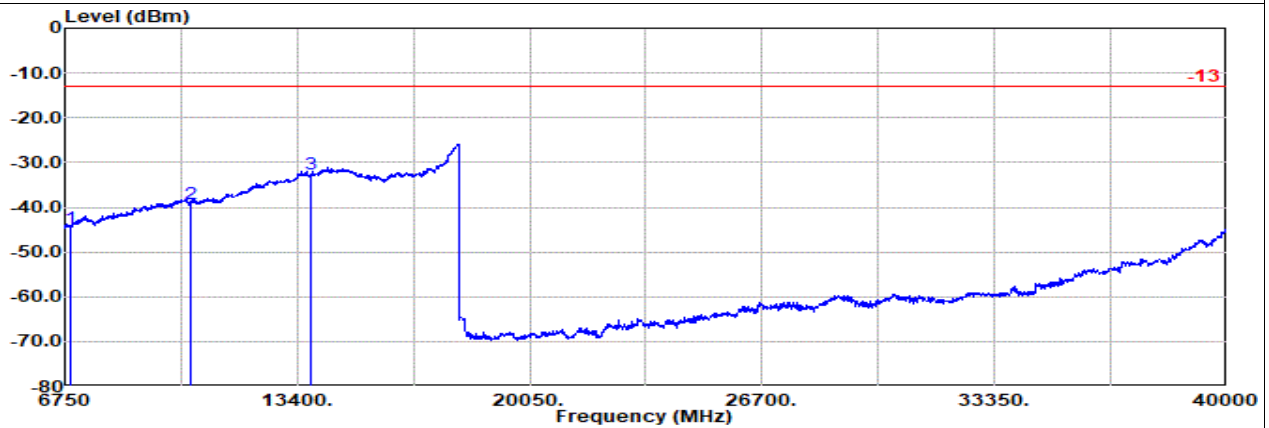
LTE B42 20M Ch42190 1RB0 QPSK

L



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 42 20M Ch42190 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit g	Margin Pol	
				Factor	1					
1	6902.00	-44.29	RMS	36.10	-20.94	0.90 -95.23	34.88	-13.00	-31.29	Horizontal
2	10353.00	-38.79	RMS	38.71	-17.88	0.25 -95.23	35.36	-13.00	-25.79	Horizontal
3	13804.00	-32.97	RMS	40.31	-12.81	0.45 -95.23	34.31	-13.00	-19.97	Horizontal



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 42 20M Ch42190 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit g	Margin Pol	
				Factor	1					
1	6902.00	-44.64	RMS	36.10	-20.94	0.90 -95.23	34.53	-13.00	-31.64	Vertical
2	10353.00	-39.14	RMS	38.71	-17.88	0.25 -95.23	35.01	-13.00	-26.14	Vertical
3	13804.00	-32.72	RMS	40.31	-12.81	0.45 -95.23	34.56	-13.00	-19.72	Vertical

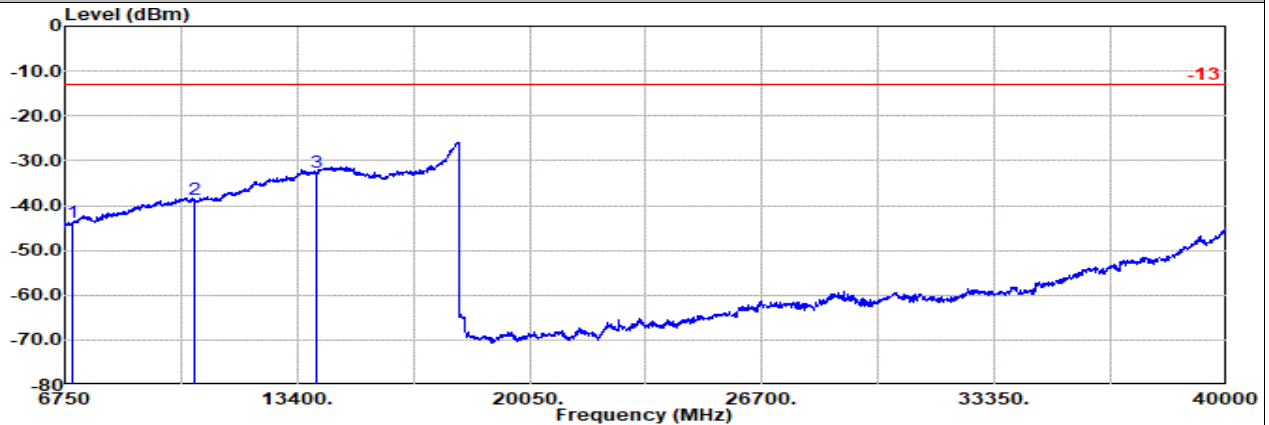


MIMO2 Antenna

Part 27Q Mode 55

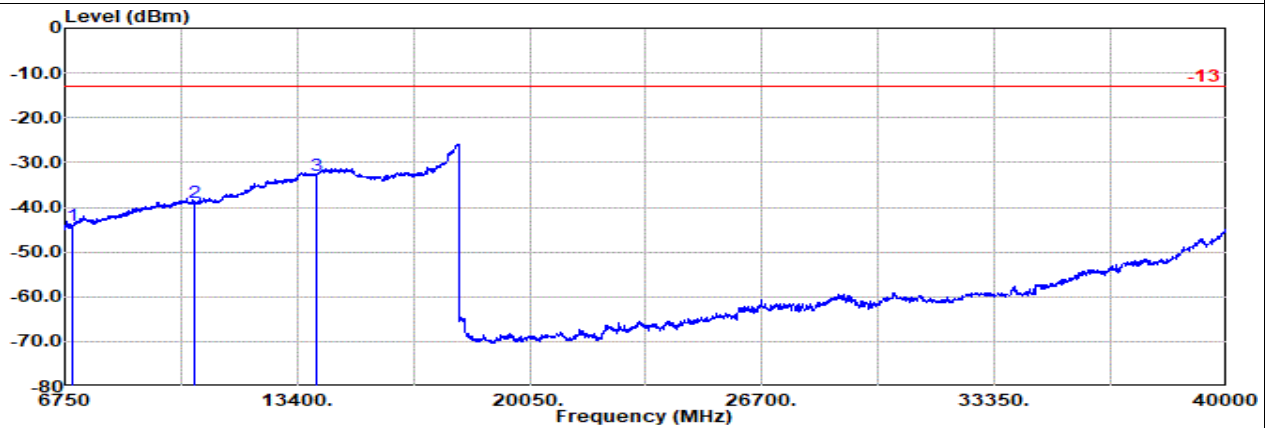
LTE B42 20M Ch42590 1RB0 QPSK

M



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 42 20M Ch42590 1RB0 QPSK

1	2	3	Freq MHz	Level dBm	Detector	Ant Factor	Amp\Cb dB/m	Filter dB	EIRPCF dB	Readin dBuV	Limit dBm	Margin dB	Pol
1	2	3	6982.00	-43.69	RMS	36.06	-20.87	0.92	-95.23	35.43	-13.00	-30.69	Horizontal
2	2	3	10473.00	-38.79	RMS	38.65	-17.88	0.25	-95.23	35.42	-13.00	-25.79	Horizontal
3	2	3	13964.00	-32.74	RMS	40.63	-13.05	0.46	-95.23	34.45	-13.00	-19.74	Horizontal



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 42 20M Ch42590 1RB0 QPSK

1	2	3	Freq MHz	Level dBm	Detector	Ant Factor	Amp\Cb dB/m	Filter dB	EIRPCF dB	Readin dBuV	Limit dBm	Margin dB	Pol
1	2	3	6982.00	-43.94	RMS	36.06	-20.87	0.92	-95.23	35.18	-13.00	-30.94	Vertical
2	2	3	10473.00	-38.97	RMS	38.65	-17.88	0.25	-95.23	35.24	-13.00	-25.97	Vertical
3	2	3	13964.00	-32.83	RMS	40.63	-13.05	0.46	-95.23	34.36	-13.00	-19.83	Vertical

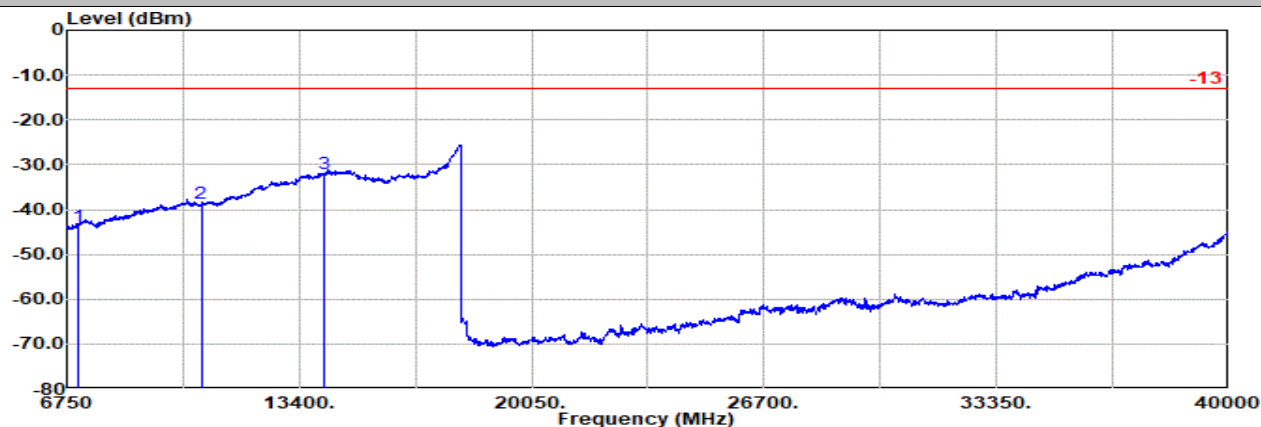


MIMO2 Antenna

Part 27Q Mode 55

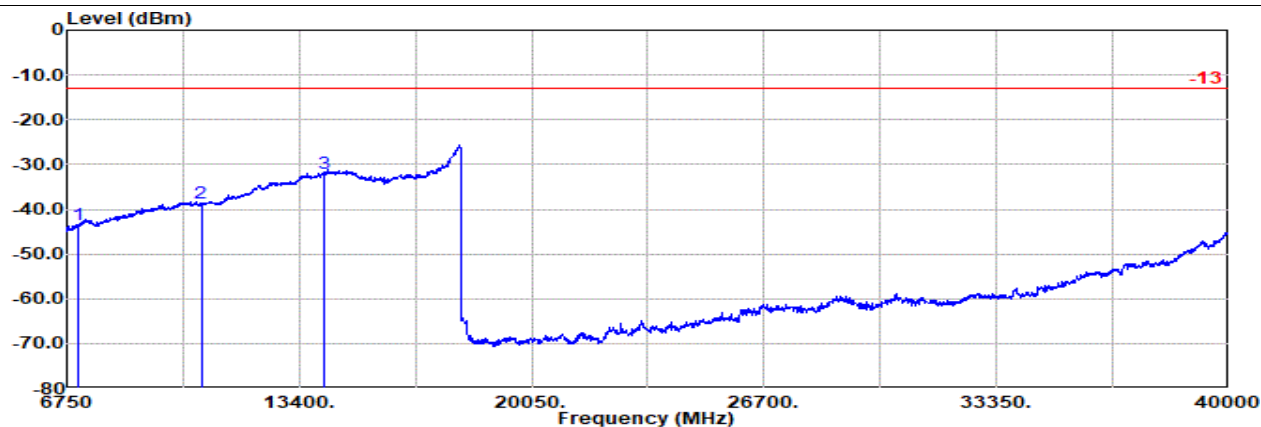
LTE B42 20M Ch42990 1RB0 QPSK

H



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 42 20M Ch42990 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter 1	EIRPCF		Readin g	Limit	Margin Pol	
					dB/m	dB		dB	dB				
1	7062.00	-43.74	RMS	36.37	-20.87	0.91	-95.23	35.08	-13.00	-30.74	Horizontal		
2	10593.00	-38.58	RMS	39.04	-17.76	0.26	-95.23	35.11	-13.00	-25.58	Horizontal		
3	14124.00	-31.90	RMS	40.90	-13.02	0.45	-95.23	35.00	-13.00	-18.90	Horizontal		



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 42 20M Ch42990 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter 1	EIRPCF		Readin g	Limit	Margin Pol	
					dB/m	dB		dB	dB				
1	7062.00	-43.45	RMS	36.37	-20.87	0.91	-95.23	35.37	-13.00	-30.45	Vertical		
2	10593.00	-38.61	RMS	39.04	-17.76	0.26	-95.23	35.08	-13.00	-25.61	Vertical		
3	14124.00	-31.94	RMS	40.90	-13.02	0.45	-95.23	34.96	-13.00	-18.94	Vertical		

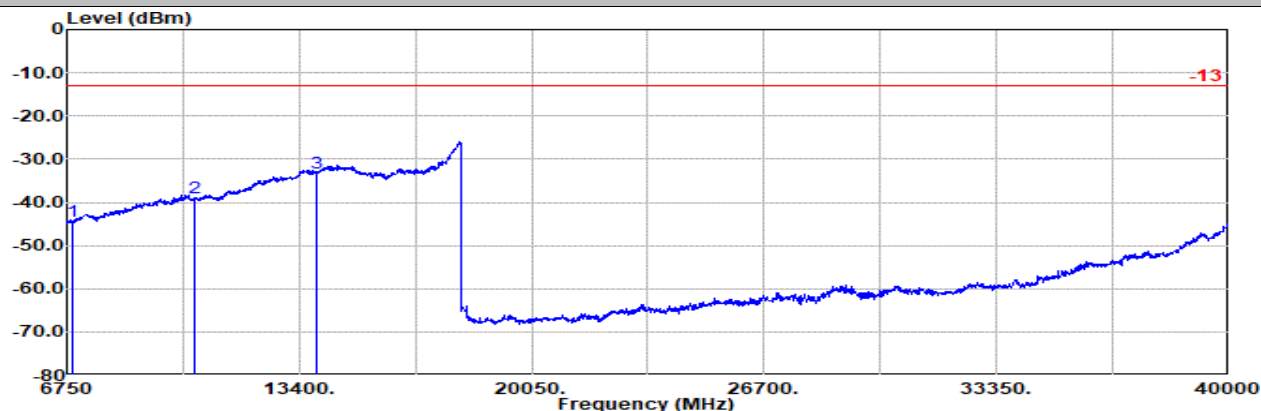


MIMO2 Antenna

Part 27Q Mode 56

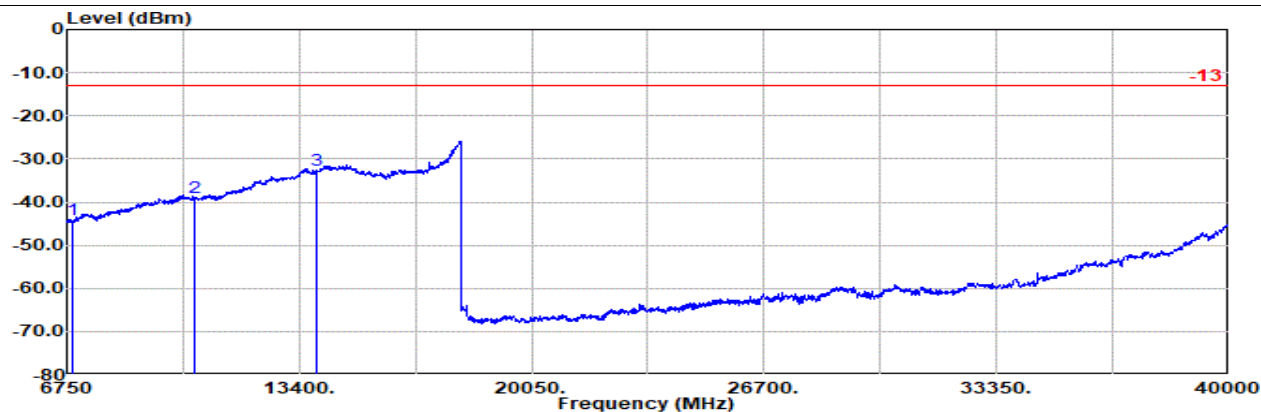
LTE CA B42C 20M + 20M Ch42190 1RB99 QPSK + Ch42388 1RB0 QPSK

L



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 42 20M CH42190 1RB99 QPSK
: LTE Band 42 20M CH42388 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		Factor	dB			dBuV	dBm		
1	6938.00	-44.39	RMS	36.02	-20.91	0.90	-95.23	34.83	-13.00	-31.39	Horizontal
2	10406.00	-38.85	RMS	38.79	-17.88	0.25	-95.23	35.22	-13.00	-25.85	Horizontal
3	13875.00	-33.06	RMS	40.50	-12.92	0.45	-95.23	34.14	-13.00	-20.06	Horizontal



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 42 20M CH42190 1RB99 QPSK
: LTE Band 42 20M CH42388 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		Factor	dB			dBuV	dBm		
1	6938.00	-44.22	RMS	36.02	-20.91	0.90	-95.23	35.00	-13.00	-31.22	Vertical
2	10406.00	-38.99	RMS	38.79	-17.88	0.25	-95.23	35.08	-13.00	-25.99	Vertical
3	13875.00	-32.69	RMS	40.50	-12.92	0.45	-95.23	34.51	-13.00	-19.69	Vertical

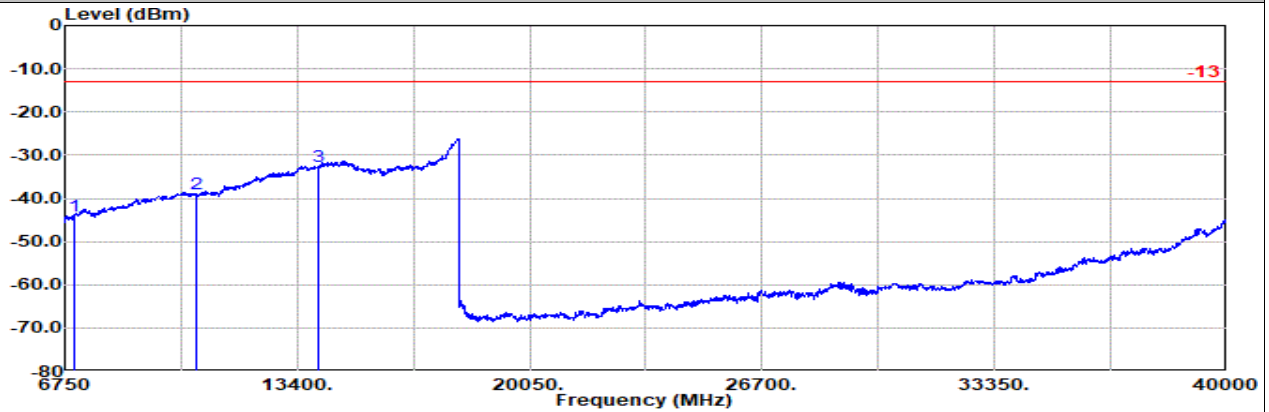


MIMO2 Antenna

Part 27Q Mode 56

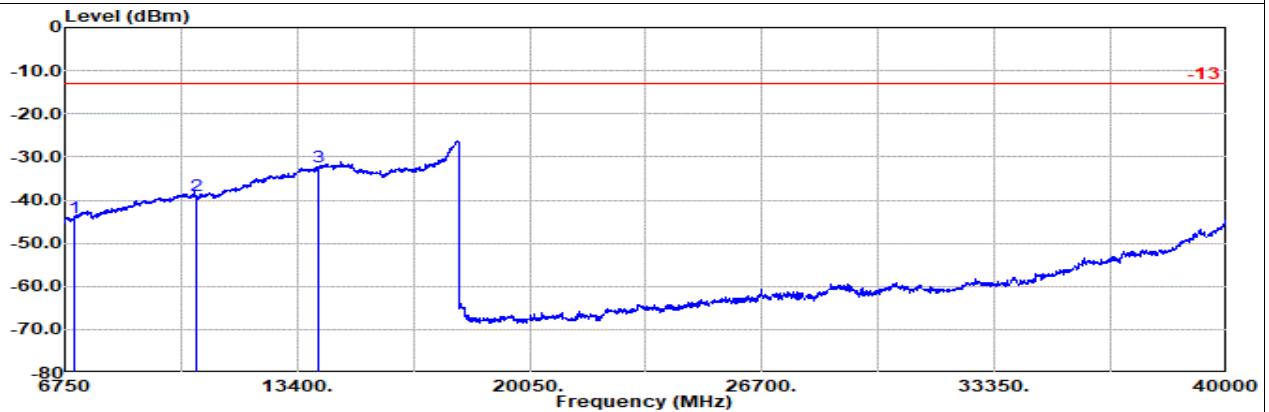
LTE CA B42C 20M + 20M Ch42491 1RB99 QPSK + Ch42689 1RB0 QPSK

M



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 42 20M CH42491 1RB99 QPSK
: LTE Band 42 20M CH42689 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	6998.00	-44.06	RMS	36.10	-20.86	0.92	-95.23		35.01	-13.00	-31.06	Horizontal
2	10497.00	-39.09	RMS	38.61	-17.88	0.25	-95.23		35.16	-13.00	-26.09	Horizontal
3	13996.00	-32.54	RMS	40.69	-13.09	0.46	-95.23		34.63	-13.00	-19.54	Horizontal



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 42 20M CH42491 1RB99 QPSK
: LTE Band 42 20M CH42689 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	6998.00	-44.08	RMS	36.10	-20.86	0.92	-95.23		34.99	-13.00	-31.08	Vertical
2	10497.00	-38.98	RMS	38.61	-17.88	0.25	-95.23		35.27	-13.00	-25.98	Vertical
3	13996.00	-32.31	RMS	40.69	-13.09	0.46	-95.23		34.86	-13.00	-19.31	Vertical

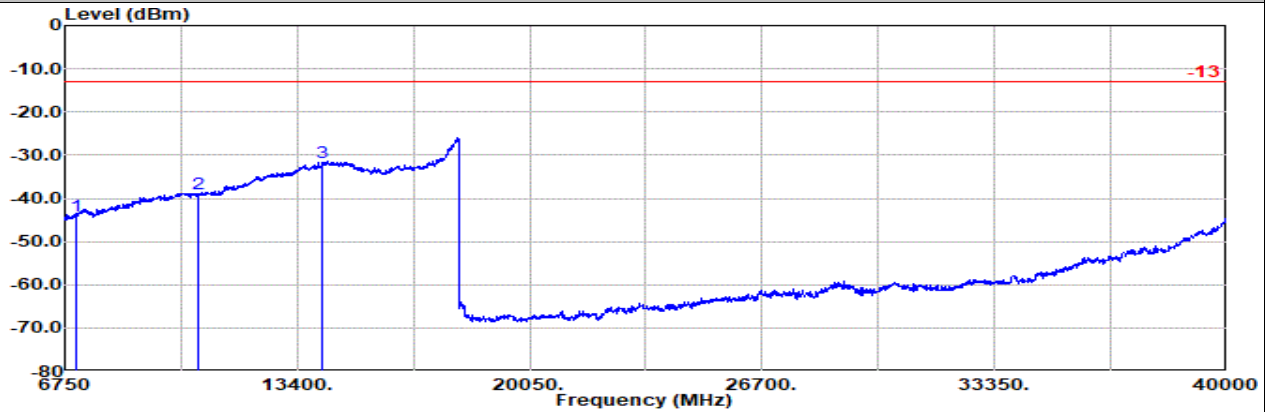


MIMO2 Antenna

Part 27Q Mode 56

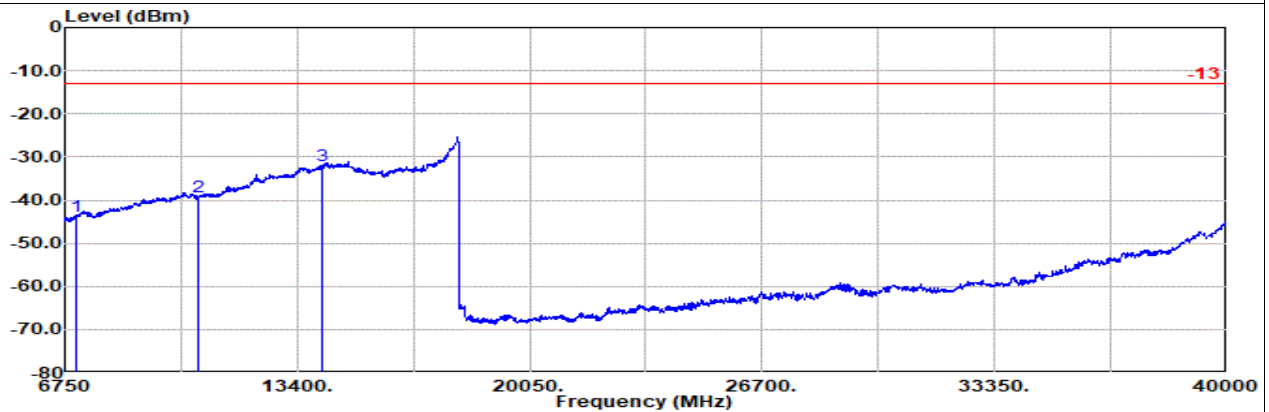
LTE CA B42C 20M + 20M Ch42791 1RB99 QPSK + Ch42990 1RB0 QPSK

H



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 42 20M CH42791 1RB99 QPSK
: LTE Band 42 20M CH42990 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF		Readin Limit		Margin Pol	
	MHz	dBm		Factor	dB	dB	dB	dBuV	dBm	dB	
1	7058.00	-44.06	RMS	36.35	-20.87	0.91	-95.23	34.78	-13.00	-31.06	Horizontal
2	10587.00	-39.08	RMS	39.00	-17.77	0.26	-95.23	34.66	-13.00	-26.08	Horizontal
3	14116.00	-31.84	RMS	40.90	-13.02	0.45	-95.23	35.06	-13.00	-18.84	Horizontal



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 42 20M CH42791 1RB99 QPSK
: LTE Band 42 20M CH42990 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF		Readin Limit		Margin Pol	
	MHz	dBm		Factor	dB	dB	dB	dBuV	dBm	dB	
1	7058.00	-43.68	RMS	36.35	-20.87	0.91	-95.23	35.16	-13.00	-30.68	Vertical
2	10587.00	-39.37	RMS	39.00	-17.77	0.26	-95.23	34.37	-13.00	-26.37	Vertical
3	14116.00	-32.13	RMS	40.90	-13.02	0.45	-95.23	34.77	-13.00	-19.13	Vertical

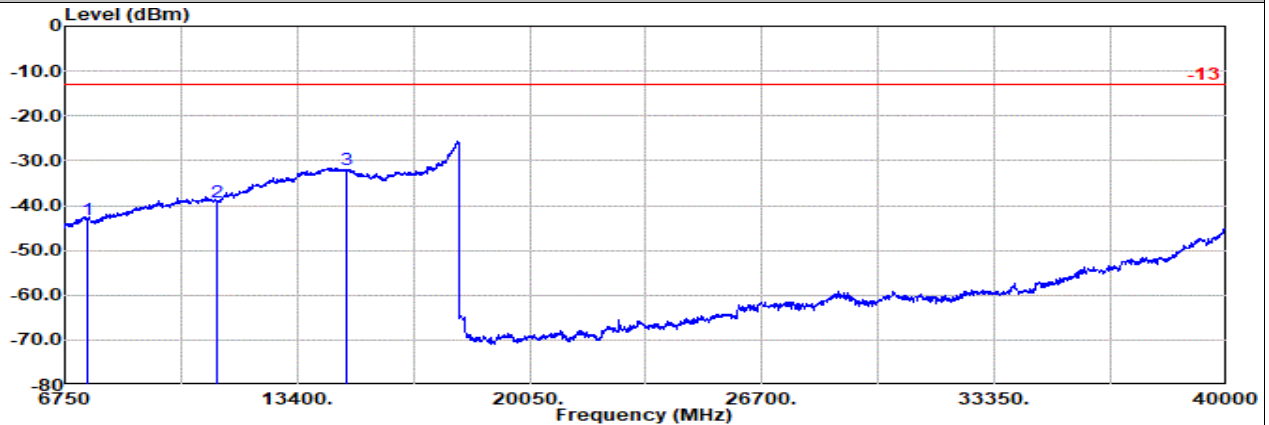


MIMO2 Antenna

Part 270 Mode 67

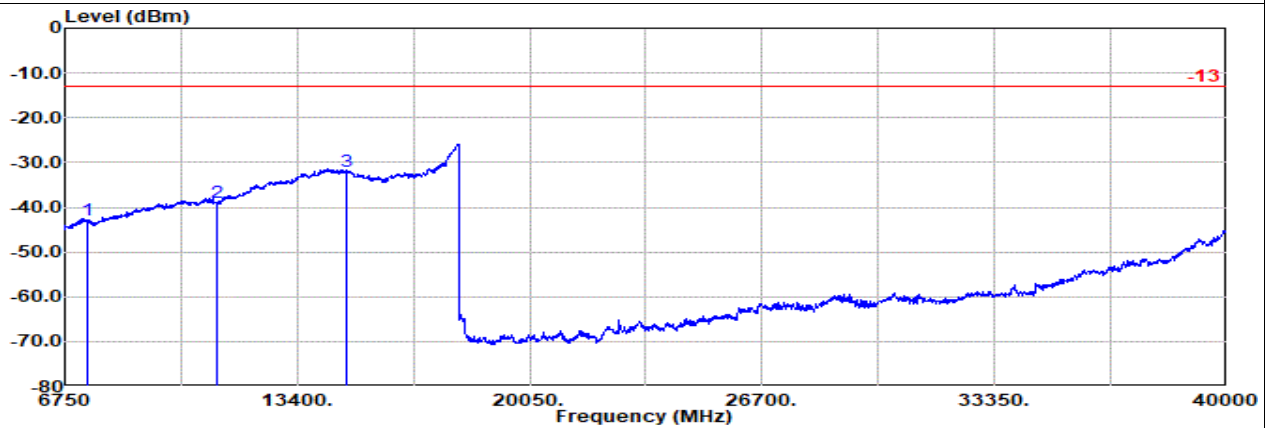
LTE B43 20M Ch44690 1RB0 QPSK

L



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 43 20M Ch44690 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	7402.00	-43.27	RMS	36.60	-20.40	0.82	-95.23	34.94	-13.00	-30.27
2	11103.00	-39.12	RMS	38.90	-17.08	0.28	-95.23	34.01	-13.00	-26.12
3	14804.00	-32.04	RMS	40.49	-13.12	0.42	-95.23	35.40	-13.00	-19.04



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 43 20M Ch44690 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	7402.00	-42.96	RMS	36.60	-20.40	0.82	-95.23	35.25	-13.00	-29.96
2	11103.00	-38.93	RMS	38.90	-17.08	0.28	-95.23	34.20	-13.00	-25.93
3	14804.00	-31.97	RMS	40.49	-13.12	0.42	-95.23	35.47	-13.00	-18.97

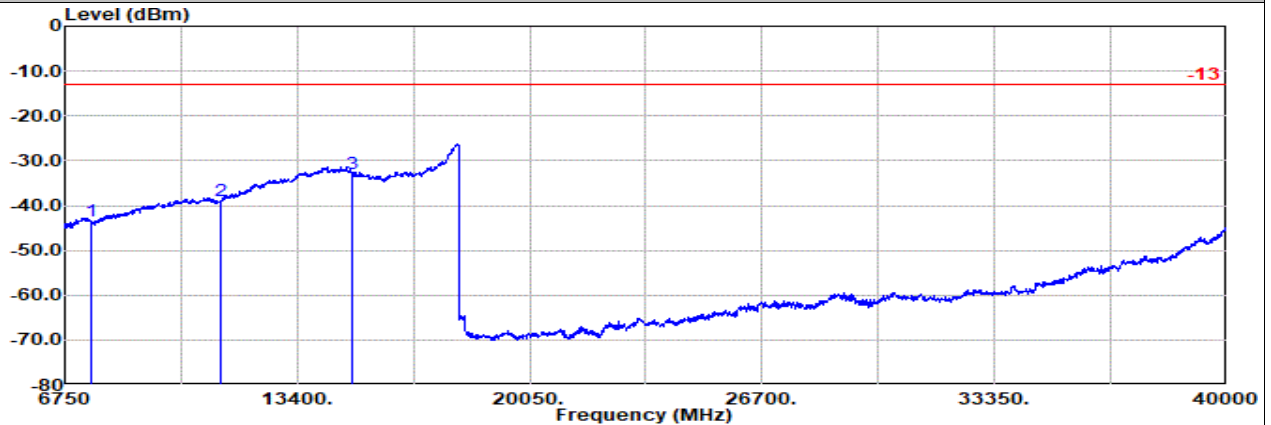


MIMO2 Antenna

Part 270 Mode 67

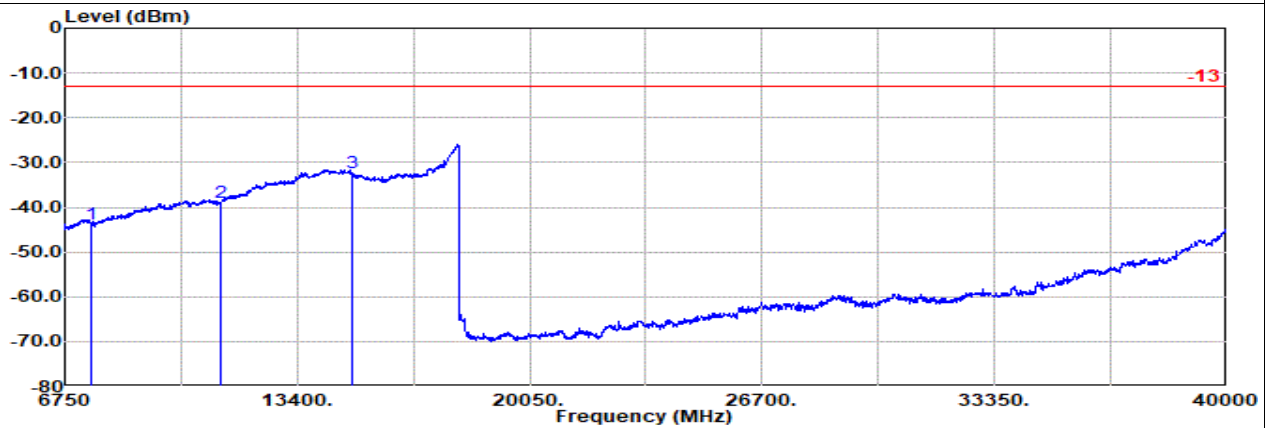
LTE B43 20M Ch45090 1RB0 QPSK

M



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 43 20M Ch45090 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Readin g	Limit	Margin Pol	
					dB/m	dB					
	MHz	dBm					dB	dB	dBuV	dBm	dB
1	7482.00	-43.42	RMS	36.64	-20.47	0.71	-95.23	34.93	-13.00	-30.42	Horizontal
2	11223.00	-38.99	RMS	38.99	-16.88	0.29	-95.23	33.84	-13.00	-25.99	Horizontal
3	14964.00	-32.88	RMS	40.17	-13.30	0.41	-95.23	35.07	-13.00	-19.88	Horizontal



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 43 20M Ch45090 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Readin g	Limit	Margin Pol	
					dB/m	dB					
	MHz	dBm					dB	dB	dBuV	dBm	dB
1	7482.00	-43.63	RMS	36.64	-20.47	0.71	-95.23	34.72	-13.00	-30.63	Vertical
2	11223.00	-38.97	RMS	38.99	-16.88	0.29	-95.23	33.86	-13.00	-25.97	Vertical
3	14964.00	-32.17	RMS	40.17	-13.30	0.41	-95.23	35.78	-13.00	-19.17	Vertical

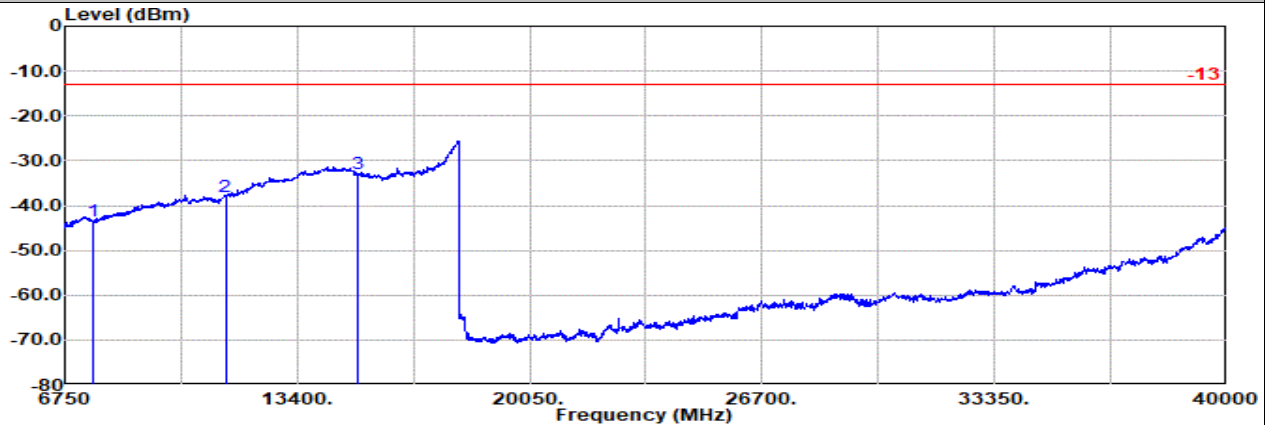


MIMO2 Antenna

Part 270 Mode 67

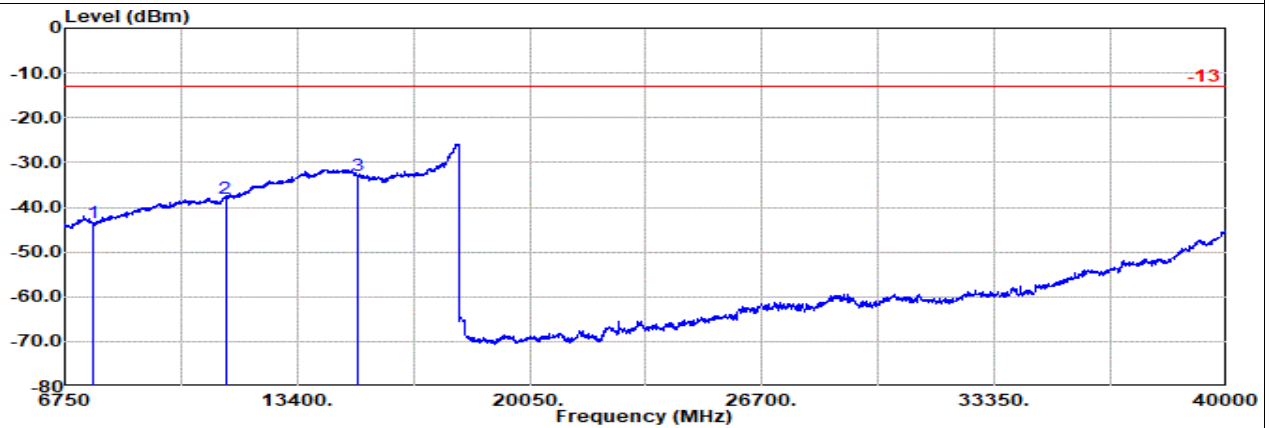
LTE B43 20M Ch45490 1RB0 QPSK

H



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 43 20M Ch45490 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Readin g	Limit	Margin Pol	
					dB/m	dB					
1	7562.00	-43.62	RMS		36.32	-20.50	0.59 -95.23	35.20	-13.00	-30.62	Horizontal
2	11343.00	-37.99	RMS		39.29	-16.69	0.29 -95.23	34.35	-13.00	-24.99	Horizontal
3	15124.00	-32.80	RMS		39.60	-13.38	0.40 -95.23	35.81	-13.00	-19.80	Horizontal



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 43 20M Ch45490 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Readin g	Limit	Margin Pol	
					dB/m	dB					
1	7562.00	-43.57	RMS		36.32	-20.50	0.59 -95.23	35.25	-13.00	-30.57	Vertical
2	11343.00	-38.02	RMS		39.29	-16.69	0.29 -95.23	34.32	-13.00	-25.02	Vertical
3	15124.00	-32.76	RMS		39.60	-13.38	0.40 -95.23	35.85	-13.00	-19.76	Vertical

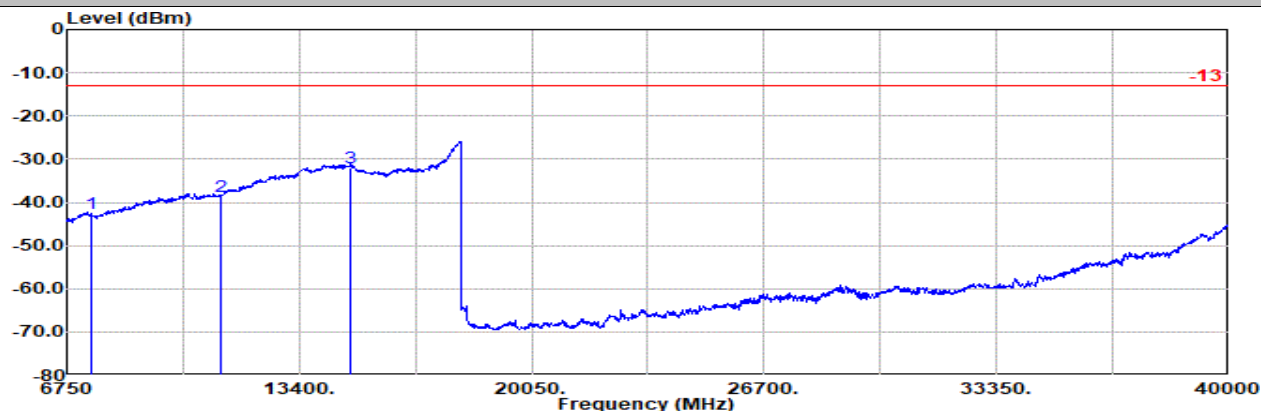


MIMO2 Antenna

Part 270 Mode 68

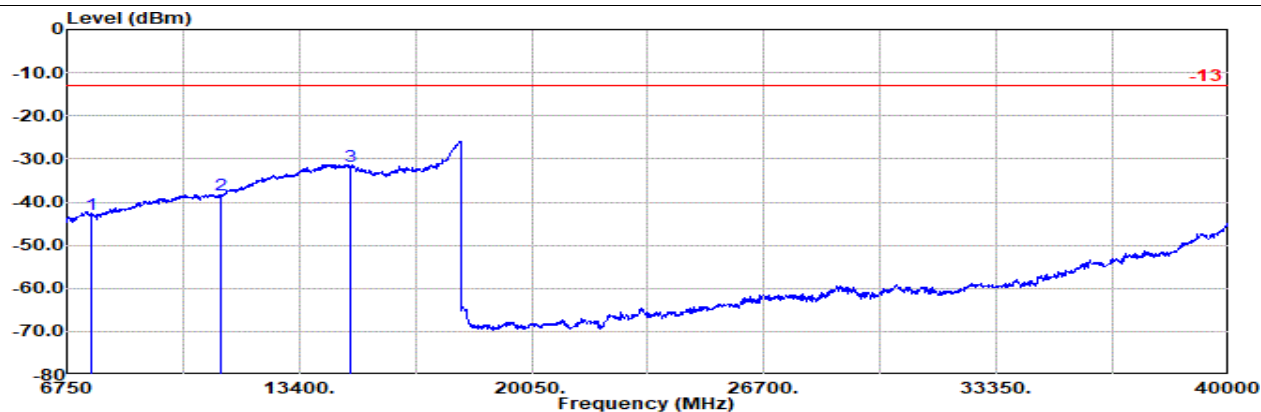
LTE CA B43C 20M + 20M Ch44690 1RB99 QPSK + Ch44888 1RB0 QPSK

L



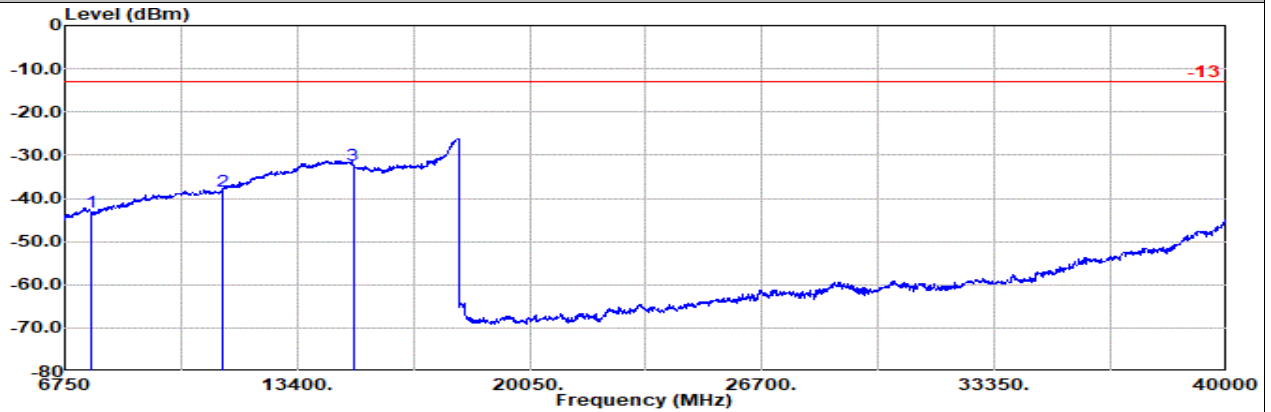
Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 43 20M Ch44690 1RB99 BPSK
: LTE Band 43 20M Ch44888 1RB0 BPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin		Pol
				Factor	Amp\Cb		1						
	MHz	dBm											
1	7437.00	-42.66	RMS	36.67	-20.43	0.77	-95.23	35.56	-13.00	-29.66	Horizontal		
2	11156.00	-38.69	RMS	38.90	-16.99	0.28	-95.23	34.35	-13.00	-25.69	Horizontal		
3	14875.00	-31.99	RMS	40.30	-13.20	0.42	-95.23	35.72	-13.00	-18.99	Horizontal		



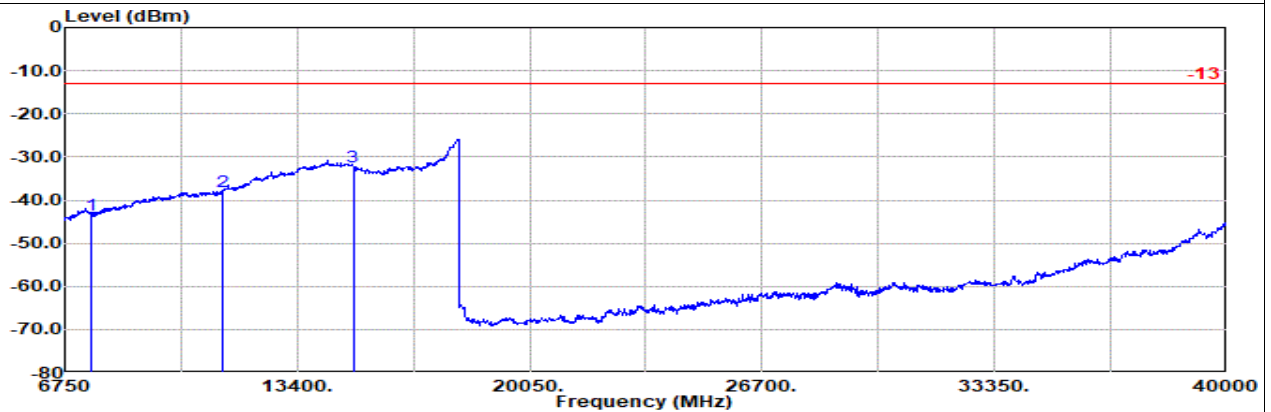
Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 43 20M Ch44690 1RB99 BPSK
: LTE Band 43 20M Ch44888 1RB0 BPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin		Pol
				Factor	Amp\Cb		1						
	MHz	dBm											
1	7437.00	-42.85	RMS	36.67	-20.43	0.77	-95.23	35.37	-13.00	-29.85	Vertical		
2	11156.00	-38.47	RMS	38.90	-16.99	0.28	-95.23	34.57	-13.00	-25.47	Vertical		
3	14875.00	-31.66	RMS	40.30	-13.20	0.42	-95.23	36.05	-13.00	-18.66	Vertical		

MIMO2 Antenna
Part 270 Mode 68
LTE CA B43C 20M + 20M Ch44991 1RB99 QPSK + Ch45189 1RB0 QPSK
M


Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 43 20M Ch44991 1RB99 BPSK
: LTE Band 43 20M Ch45189 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	7498.00	-43.26	RMS	36.60	-20.49	0.68	-95.23	35.18	-13.00	-30.26	Horizontal
2	11247.00	-38.24	RMS	39.09	-16.84	0.29	-95.23	34.45	-13.00	-25.24	Horizontal
3	14996.00	-32.42	RMS	40.11	-13.34	0.41	-95.23	35.63	-13.00	-19.42	Horizontal



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 43 20M Ch44991 1RB99 BPSK
: LTE Band 43 20M Ch45189 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	7498.00	-43.40	RMS	36.60	-20.49	0.68	-95.23	35.04	-13.00	-30.40	Vertical
2	11247.00	-38.12	RMS	39.09	-16.84	0.29	-95.23	34.57	-13.00	-25.12	Vertical
3	14996.00	-32.28	RMS	40.11	-13.34	0.41	-95.23	35.77	-13.00	-19.28	Vertical

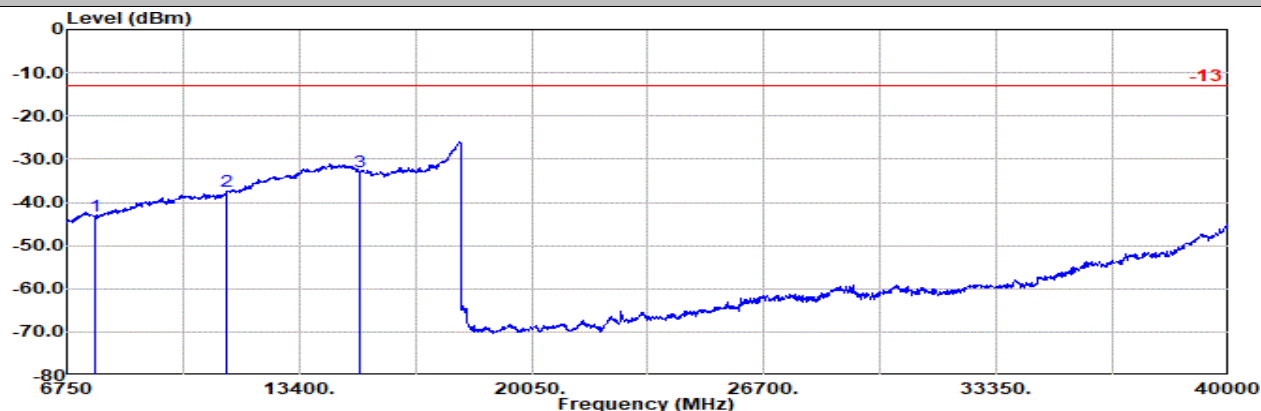


MIMO2 Antenna

Part 270 Mode 68

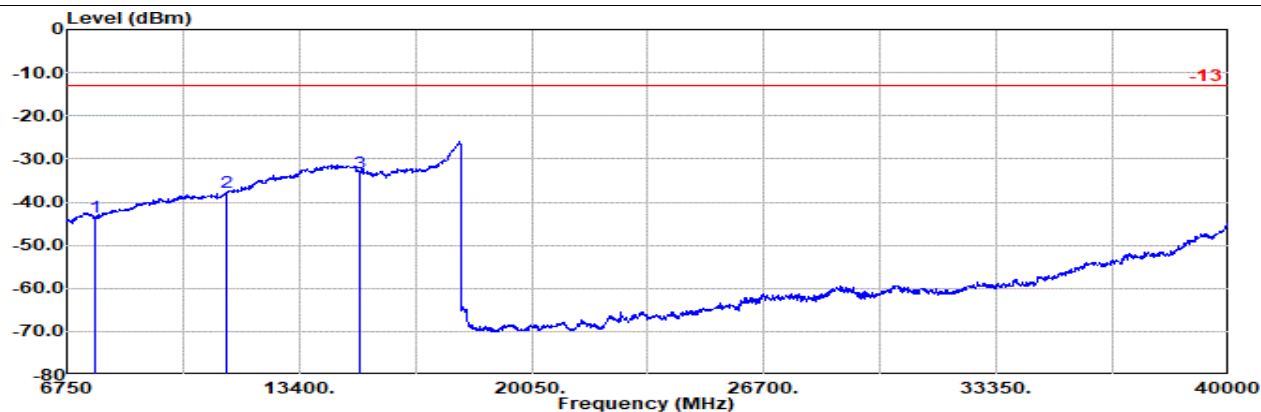
LTE CA B43C 20M + 20M Ch45291 1RB99 QPSK + Ch45489 1RB0 QPSK

H



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 43 20M Ch45291 1RB99 BPSK
: LTE Band 43 20M Ch45489 1RB0 BPSK

	Freq Level		Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7559.00	-43.23	RMS	36.32	-20.50	0.60	-95.23	35.58	-13.00	-30.23	Horizontal	
2	11339.00	-37.34	RMS	39.28	-16.69	0.29	-95.23	35.01	-13.00	-24.34	Horizontal	
3	15119.00	-33.04	RMS	39.62	-13.38	0.40	-95.23	35.55	-13.00	-20.04	Horizontal	



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 43 20M Ch45291 1RB99 BPSK
: LTE Band 43 20M Ch45489 1RB0 BPSK

	Freq Level		Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7559.00	-43.46	RMS	36.32	-20.50	0.60	-95.23	35.35	-13.00	-30.46	Vertical	
2	11339.00	-37.63	RMS	39.28	-16.69	0.29	-95.23	34.72	-13.00	-24.63	Vertical	
3	15119.00	-33.07	RMS	39.62	-13.38	0.40	-95.23	35.52	-13.00	-20.07	Vertical	

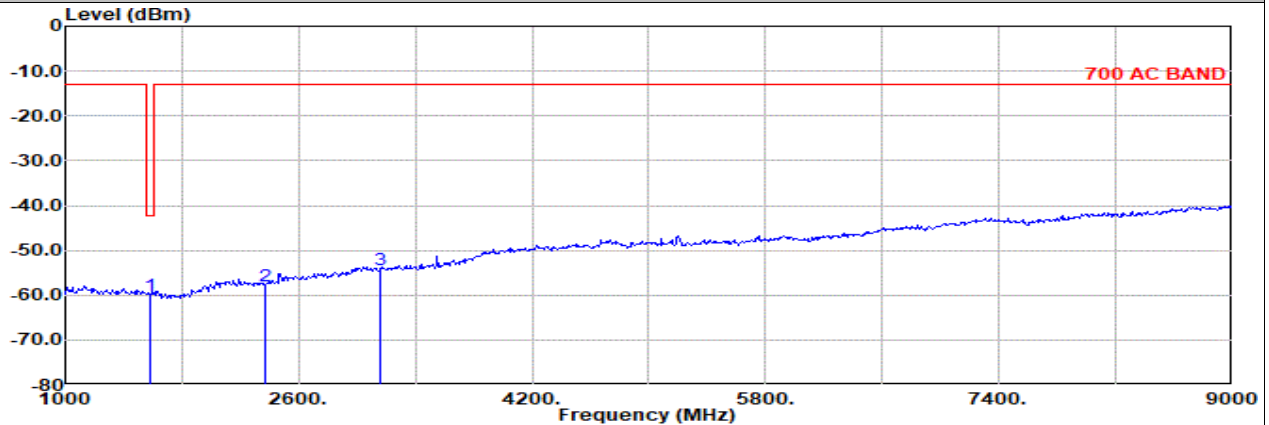


Main Antenna

Part 90R Mode 79

LTE B14 5M Ch23305 1RB0 QPSK

L

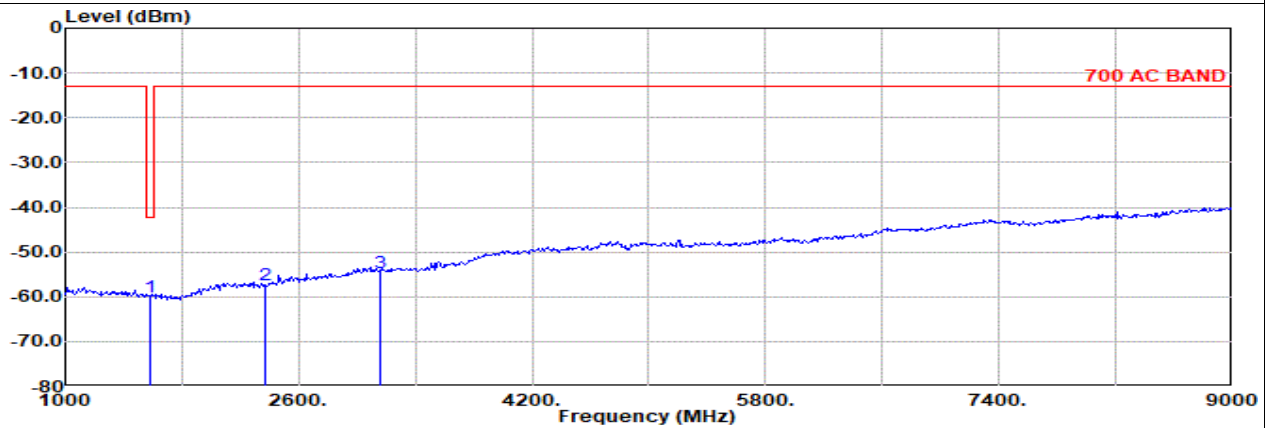


Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Horizontal

: LTE Band 14 5M Ch23305 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	1576.00	-60.08	RMS	25.46	-27.41	0.82	-95.23	36.28	-42.15	-17.93 Horizontal
2	2365.00	-57.89	RMS	27.40	-26.43	0.56	-95.23	35.81	-13.00	-44.89 Horizontal
3	3153.00	-54.23	RMS	29.89	-25.31	0.38	-95.23	36.04	-13.00	-41.23 Horizontal



Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Vertical

: LTE Band 14 5M Ch23305 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	1576.00	-59.99	RMS	25.46	-27.41	0.82	-95.23	36.37	-42.15	-17.84 Vertical
2	2365.00	-57.36	RMS	27.40	-26.43	0.56	-95.23	36.34	-13.00	-44.36 Vertical
3	3153.00	-54.51	RMS	29.89	-25.31	0.38	-95.23	35.76	-13.00	-41.51 Vertical

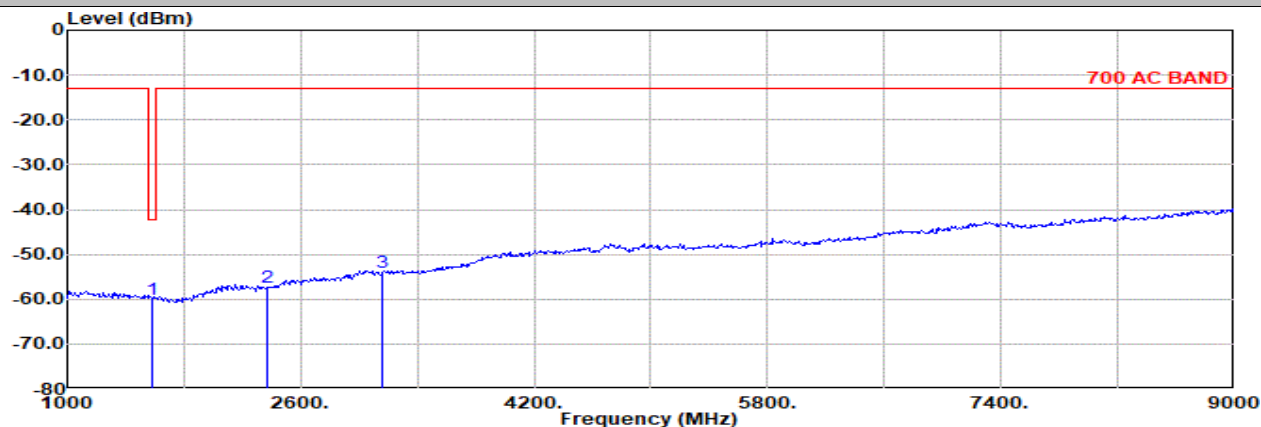


Main Antenna

Part 90R Mode 79

LTE B14 5M Ch23330 1RB0 QPSK

M

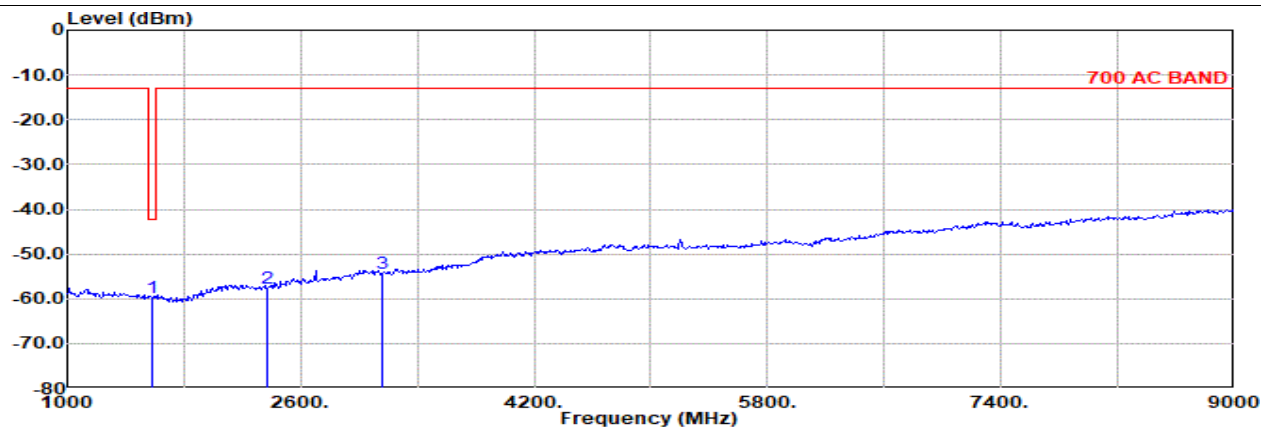


Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Horizontal

: LTE Band 14 5M Ch23330 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm								
1	1581.00	-59.94	RMS	25.51	-27.40	0.81	-95.23	36.37	-42.15	-17.79 Horizontal
2	2372.00	-57.41	RMS	27.38	-26.43	0.56	-95.23	36.31	-13.00	-44.41 Horizontal
3	3163.00	-54.15	RMS	29.85	-25.30	0.38	-95.23	36.15	-13.00	-41.15 Horizontal



Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Vertical

: LTE Band 14 5M Ch23330 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm								
1	1581.00	-59.83	RMS	25.51	-27.40	0.81	-95.23	36.48	-42.15	-17.68 Vertical
2	2372.00	-57.52	RMS	27.38	-26.43	0.56	-95.23	36.20	-13.00	-44.52 Vertical
3	3163.00	-54.27	RMS	29.85	-25.30	0.38	-95.23	36.03	-13.00	-41.27 Vertical

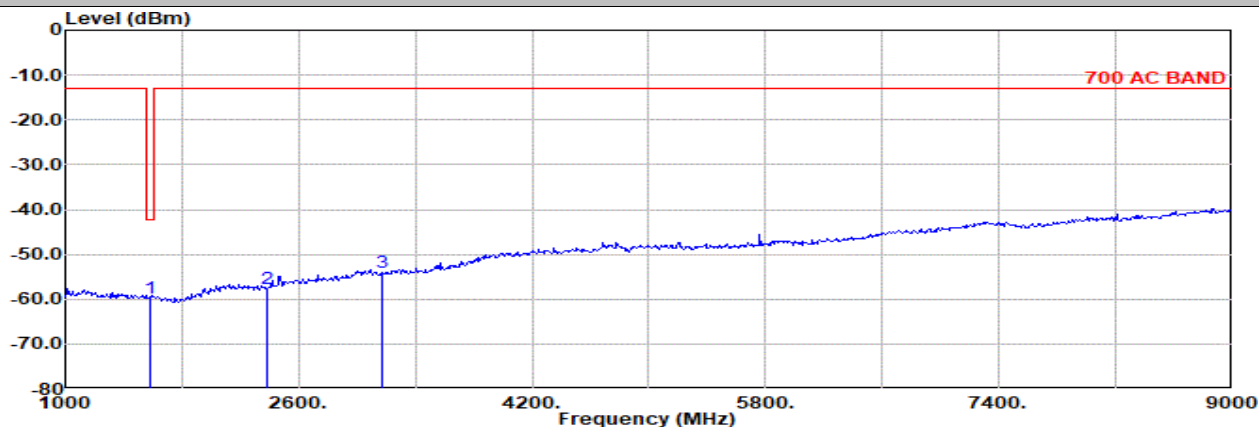


Main Antenna

Part 90R Mode 79

LTE B14 5M Ch23335 1RB0 QPSK

H

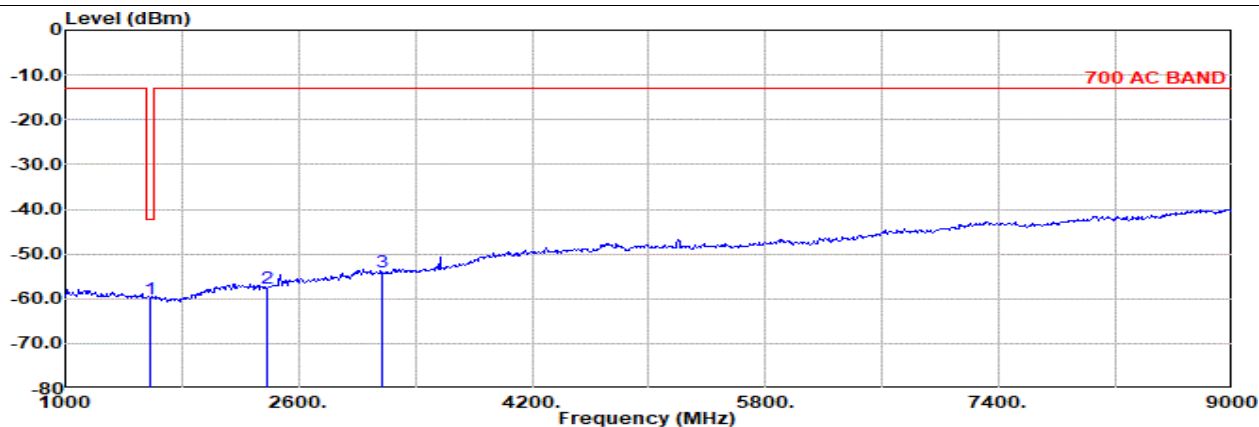


Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Horizontal

: LTE Band 14 5M Ch23335 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	1586.00	-59.87	RMS	25.56	-27.38	0.80	-95.23	36.38	-42.15	-17.72 Horizontal
2	2380.00	-57.78	RMS	27.30	-26.43	0.55	-95.23	36.03	-13.00	-44.78 Horizontal
3	3173.00	-54.13	RMS	29.81	-25.30	0.38	-95.23	36.21	-13.00	-41.13 Horizontal



Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Vertical

: LTE Band 14 5M Ch23335 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	1586.00	-60.00	RMS	25.56	-27.38	0.80	-95.23	36.25	-42.15	-17.85 Vertical
2	2380.00	-57.58	RMS	27.30	-26.43	0.55	-95.23	36.23	-13.00	-44.58 Vertical
3	3173.00	-53.93	RMS	29.81	-25.30	0.38	-95.23	36.41	-13.00	-40.93 Vertical

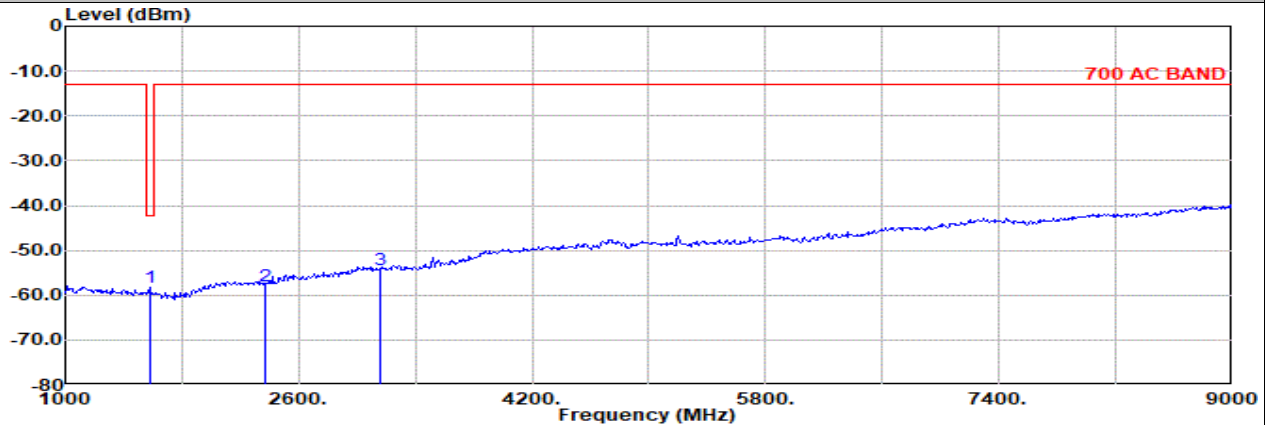


Main Antenna

Part 90R Mode 80

LTE B14 10M Ch23330 1RB0 QPSK

M

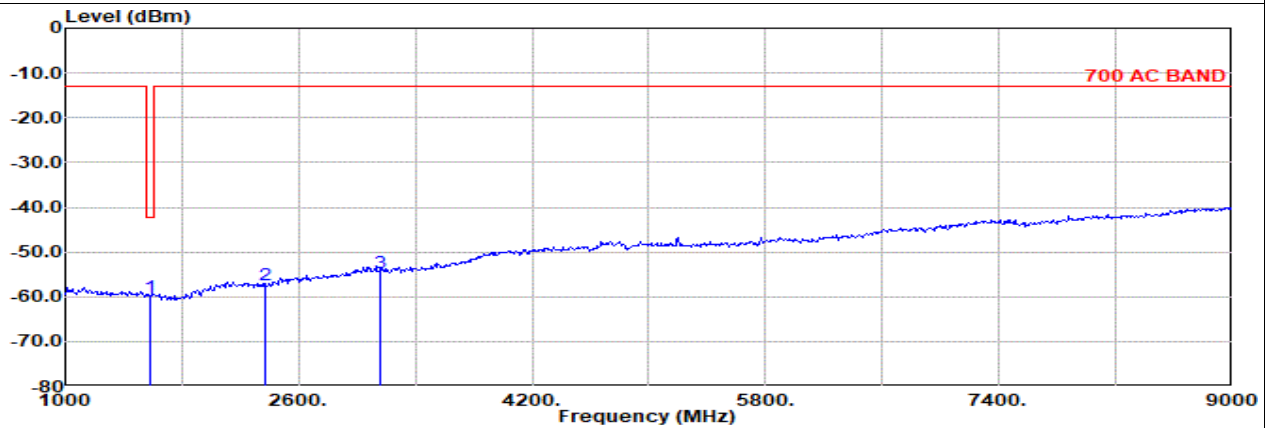


Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Horizontal

: LTE Band 14 10M Ch23330 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	1576.00	-58.18	RMS	25.46	-27.41	0.82	-95.23	38.18	-42.15	-16.03 Horizontal
2	2365.00	-57.83	RMS	27.40	-26.43	0.56	-95.23	35.87	-13.00	-44.83 Horizontal
3	3154.00	-54.29	RMS	29.88	-25.31	0.38	-95.23	35.99	-13.00	-41.29 Horizontal



Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Vertical

: LTE Band 14 10M Ch23330 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	1577.00	-60.01	RMS	25.47	-27.41	0.82	-95.23	36.34	-42.15	-17.86 Vertical
2	2365.00	-57.42	RMS	27.40	-26.43	0.56	-95.23	36.28	-13.00	-44.42 Vertical
3	3154.00	-54.65	RMS	29.88	-25.31	0.38	-95.23	35.63	-13.00	-41.65 Vertical

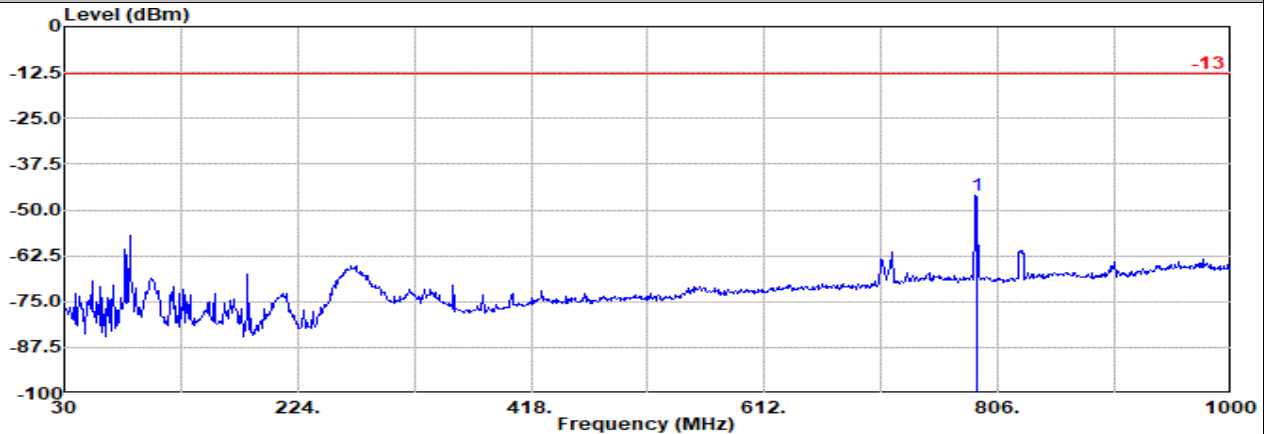


Main Antenna

Part 90R Mode 80

LTE B14 10M Ch23330 1RB0 QPSK

M



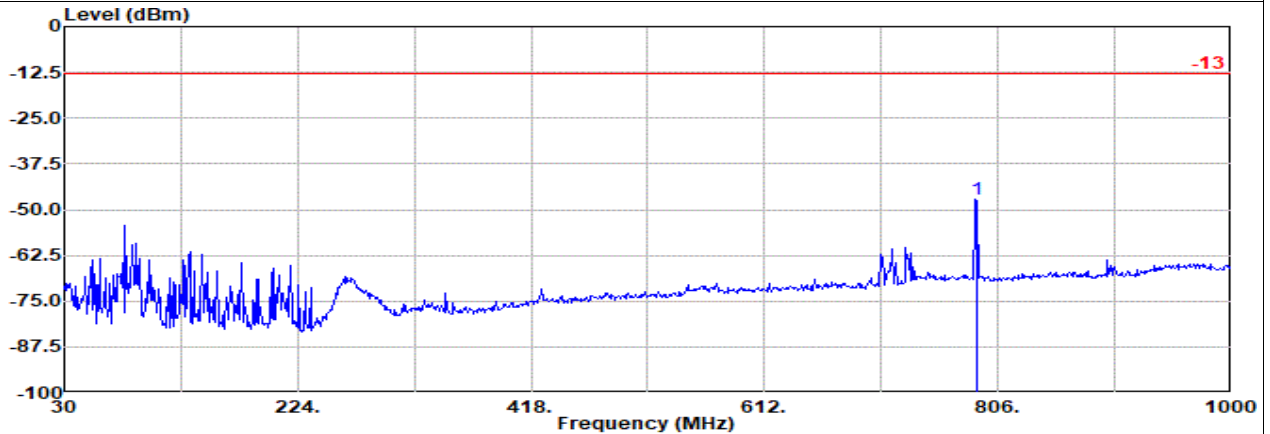
Site : 03CH12-HY

Condition: -13 3m Bilog_37059_20231103 Horizontal

: LTE B14 10M Ch23330 1RB0 QPSK

: #1 is fundamental signal which can be ignored.

1	Freq	Level	Detector	Ant Factor	Amp	Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm							g			
1	788.00	-46.14	RMS	28.20	-23.80	0.31	-95.23	44.38	-13.00	-33.14	Horizontal	



Site : 03CH12-HY

Condition: -13 3m Bilog_37059_20231103 Vertical

: LTE B14 10M Ch23330 1RB0 QPSK

: #1 is fundamental signal which can be ignored.

1	Freq	Level	Detector	Ant Factor	Amp	Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm							g			
1	788.00	-47.09	RMS	28.20	-23.80	0.31	-95.23	43.43	-13.00	-34.09	Vertical	

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