



FCC RADIO TEST REPORT

FCC ID : PU5-TP00161A
Equipment : Notebook Computer
Brand Name : Lenovo
Model Name : TP00161A
Applicant : Wistron Corporation
21F, No. 88, Sec. 1, Hsin Tai Wu Rd., Hsichih Dist, New Taipei City
221, Taiwan
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: Quectel RM520N-GL tested inside of Lenovo Notebook Computer.

The product was received on Apr. 12, 2024 and testing was performed from May 05, 2024 to Jun. 05, 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



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History of this test report

Report No.	Version	Description	Issue Date
FG440813B	01	Initial issue of report	Jun. 07, 2024
FG440813B	02	1. Revise Summary of Test Result 2. Revise Appendix A and B This report is an updated version, replacing the report issued on Jun. 07, 2024.	Jun. 18, 2024

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Reporting only	-
	§22.913 (a)(5) §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	-	See Note
-	§2.1049	Occupied Bandwidth	-	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)	-	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)	-	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)	-	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	-
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	12.78 dB under the limit at 1560.00 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)		
Remark:				
1. For host device, Radiated Spurious Emission, Effective Radiated Power and Equivalent Isotropic Radiated Power are verified and comply with the limit in this test report.				
2. For host device, the Conducted Output Power is no difference after compared to module (Model: RM520N-GL)				

**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: Rebecca Wu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Notebook Computer
Brand Name	Lenovo
Model Name	TP00161A
FCC ID	PU5-TP00161A
Sample 1	EUT with AWAN Antenna
Sample 2	EUT with Luxshare-ICT Antenna
Integrated WLAN Module	Brand Name: Qualcomm Model Name: QCNCM825 FCC ID: J9C-QCNCM825
EUT supports Radios application	WCDMA/HSPA/LTE/5G NR/GNSS WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80/VHT160 WLAN 11ax HE20/HE40/HE80/HE160 WLAN 11be EHT20/ EHT40/EHT80/EHT160/EHT320 Bluetooth BR/EDR/LE
EUT Stage	Production Unit

Remark:

1. The above EUT's information was declared by manufacturer.
2. Equipment: Quectel RM520N-GL 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: B26 cover B5 (Part 22) B25 cover B2 (Part 24) B12 cover B17 (Part 27) B41 cover B38 (Part 27) B66 cover B4 (Part 27)
Main Antenna	B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B30, B38, B41, B66, B71
MIMO2 Antenna	B42, B43

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

WWAN Antenna Information for Host				
Main Antenna	Manufacturer	AWAN	Peak gain (dBi)	LTE Band 2 : 1.98 LTE Band 4 : 1.99 LTE Band 5 : -1.76 LTE Band 7 : 1.72 LTE Band 12 : -2.37 LTE Band 13 : -0.73 LTE Band 14 : -0.94 LTE Band 17 : -2.37 LTE Band 25 : 1.85 LTE Band 26 : -1.97 LTE Band 30 : 0.87 LTE Band 38 : 0.95 LTE Band 41 : 1.52 LTE Band 66 : 1.99 LTE Band 71 : -2.63
	Part number	SA31H59590	Type	PIFA
	Manufacturer	Luxshare-ICT	Peak gain (dBi)	LTE Band 2 : 0.40 LTE Band 4 : -1.70 LTE Band 5 : -2.00 LTE Band 7 : -1.50 LTE Band 12 : 0.30 LTE Band 13 : -1.20 LTE Band 14 : -2.30 LTE Band 17 : 0.30 LTE Band 25 : 0.40 LTE Band 26 : -2.00 LTE Band 30 : -1.40 LTE Band 38 : -1.50 LTE Band 41 : -1.00 LTE Band 66 : -1.60 LTE Band 71 : -0.10
	Part number	SA31H59591	Type	PIFA
MIMO2 Antenna	Manufacturer	AWAN	Peak gain (dBi)	LTE Band 42 : 0.55 LTE Band 43 : -0.20
	Part number	SA31H59592	Type	PIFA
	Manufacturer	Luxshare-ICT	Peak gain (dBi)	LTE Band 42 : -2.50 LTE Band 43 : -2.20
	Part number	SA31H59593	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: 1850.7 MHz ~ 1909.3 MHz LTE Band 4: 1710.7 MHz ~ 1754.3 MHz LTE Band 5: 824.7 MHz ~ 848.3 MHz LTE Band 7: 2502.5 MHz ~ 2567.5 MHz LTE Band 12: 699.7 MHz ~ 715.3 MHz LTE Band 13: 779.5 MHz ~ 784.5 MHz LTE Band 14: 790.5 MHz ~ 795.5 MHz LTE Band 17: 706.5 MHz ~ 713.5 MHz LTE Band 25: 1850.7MHz ~ 1914.3 MHz LTE Band 26 (Part22H): 824.7 MHz ~ 848.3 MHz LTE Band 26 (Part90S): 814.7 MHz ~ 823.3 MHz LTE Band 30: 2307.5 MHz ~ 2312.5 MHz LTE Band 38: 2572.5 MHz ~ 2617.5MHz LTE Band 41: 2498.5 MHz ~ 2687.5 MHz LTE Band 42: 3452.5 MHz ~ 3547.5 MHz LTE Band 43: 3702.5 MHz ~ 3797.5 MHz LTE Band 66: 1710.7 MHz ~ 1779.3 MHz LTE Band 71: 665.5 MHz ~ 695.5 MHz
Rx Frequency	LTE Band 2: 1930.7 MHz ~ 1989.3 MHz LTE Band 4: 2110.7 MHz ~ 2154.3 MHz LTE Band 5: 869.7 MHz ~ 893.3 MHz LTE Band 7: 2622.5MHz ~ 2687.5 MHz LTE Band 12: 729.7 MHz ~ 745.3 MHz LTE Band 13: 748.5 MHz ~ 753.5 MHz LTE Band 14: 760.5 MHz ~ 765.5 MHz LTE Band 17: 736.5 MHz ~ 743.5 MHz LTE Band 25: 1930.7MHz ~ 1994.3 MHz LTE Band 26 (Part22H): 869.7 MHz ~ 893.3MHz LTE Band 26 (Part90S): 859.7 MHz ~ 868.3 MHz LTE Band 30: 2352.5 MHz ~ 2357.5 MHz LTE Band 38: 2572.5 MHz ~ 2617.5MHz LTE Band 41: 2498.5 MHz ~ 2687.5 MHz LTE Band 42: 3452.5 MHz ~ 3547.5 MHz LTE Band 43: 3702.5 MHz ~ 3797.5 MHz LTE Band 66: 2110.7 MHz ~ 2199.3 MHz LTE Band 71: 619.5 MHz ~ 649.5 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
Maximum Output Power to Antenna	<Main Antenna>: LTE Band 2 : 23.54 dBm LTE Band 2C : 24.39 dBm LTE Band 4 : 23.64 dBm LTE Band 5 : 23.57 dBm LTE Band 5B : 24.57 dBm LTE Band 7 : 23.63 dBm LTE Band 7C : 24.51 dBm LTE Band 12 : 23.75 dBm LTE Band 13 : 23.68 dBm LTE Band 14 : 23.75 dBm LTE Band 17 : 23.65 dBm LTE Band 25 : 23.55 dBm LTE Band 26 : 23.59 dBm for Part22H LTE Band 26 : 23.62 dBm for Part90S LTE Band 30 : 21.64 dBm LTE Band 38 : 23.49 dBm LTE Band 38C : 24.36 dBm LTE Band 41 : 23.44 dBm LTE Band 41 : 25.33 dBm for HPUE LTE Band 41C : 26.23 dBm for HPUE LTE Band 66 : 23.68 dBm LTE Band 66B : 24.45 dBm LTE Band 66C : 24.08 dBm LTE Band 71 : 23.86 dBm <MIMO2 Antenna>: LTE Band 42 : 20.48 dBm LTE Band 42C : 21.59 dBm LTE Band 43 : 20.45 dBm LTE Band 43C : 21.89 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	Ekko You
Temperature (°C)	21.9~22.7
Relative Humidity (%)	52.9~57.6

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010
Test Site No.	Sporton Site No.
	03CH10-HY (TAF Code: 3786)
Test Engineer	Bill Chang, Gary Guo, and Steven Wu
Temperature (°C)	19.1~22.3
Relative Humidity (%)	62.5~68.3
Remark	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory.

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

FCC Designation No.: TW1190 and TW3786

1.5 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.

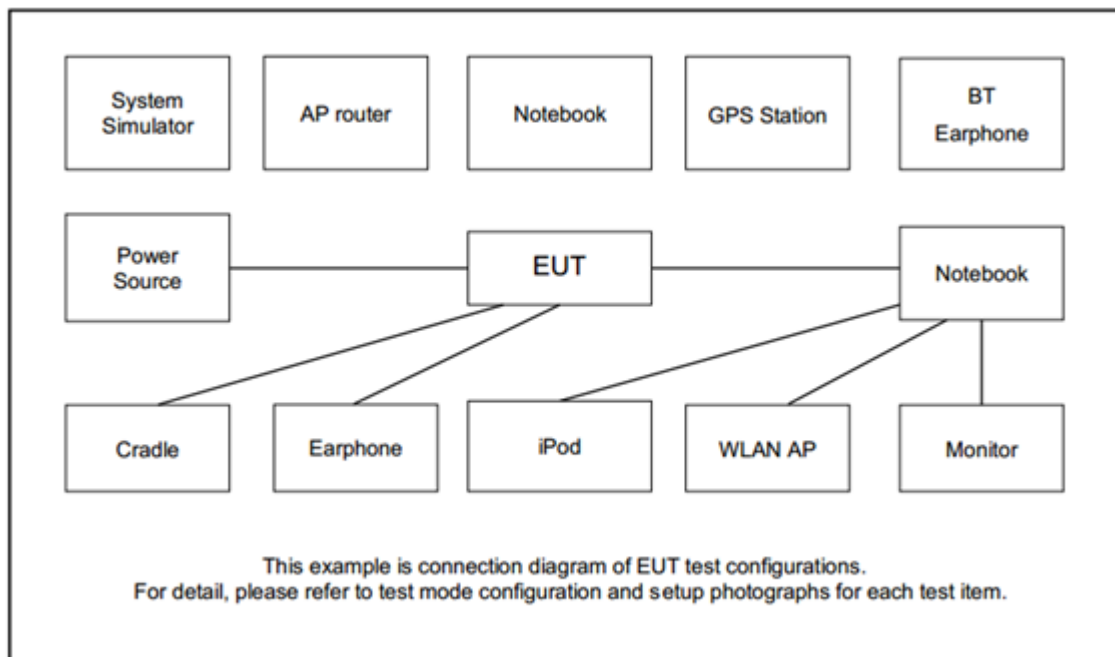
Modulation Type	Modulation
A	QPSK
B	16QAM
C	64QAM
D	256QAM

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B, C, D	All	1, Half, Full	L, M, H
EIRP	A, B, C, D	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. 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.	Earphone	Lenovo	N/A	N/A	N/A	Unshielded, 1.5m



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	44190	44215	44240
	Frequency	3660	3662.5	3665
15	Channel	44165	44215	44265
	Frequency	3657.5	3662.5	3667.5
10	Channel	44140	44215	44290
	Frequency	3655	3662.5	3670
5	Channel	44115	44215	44315
	Frequency	3652.5	3662.5	3672.5

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
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					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	132072	132323	132374
		Frequency	1720.0	1745.1	1750.2
	SCC	Channel	132270	133421	132572
		Frequency	1739.8	1764.9	1770.0

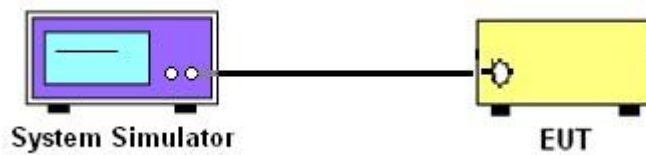
3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.1.1 Test Setup

3.1.2 Conducted Output Power



3.1.3 Test Result of Conducted Test

Please refer to Appendix A.

3.2 Conducted Output Power and ERP/EIRP

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

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

The ERP of mobile transmitters must not exceed 7 Watts for LTE Band 5, 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.

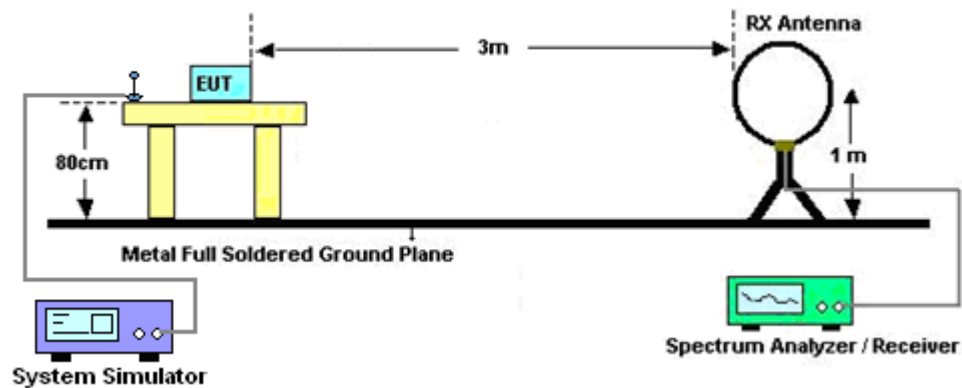
4 Radiated Test Items

4.1 Measuring Instruments

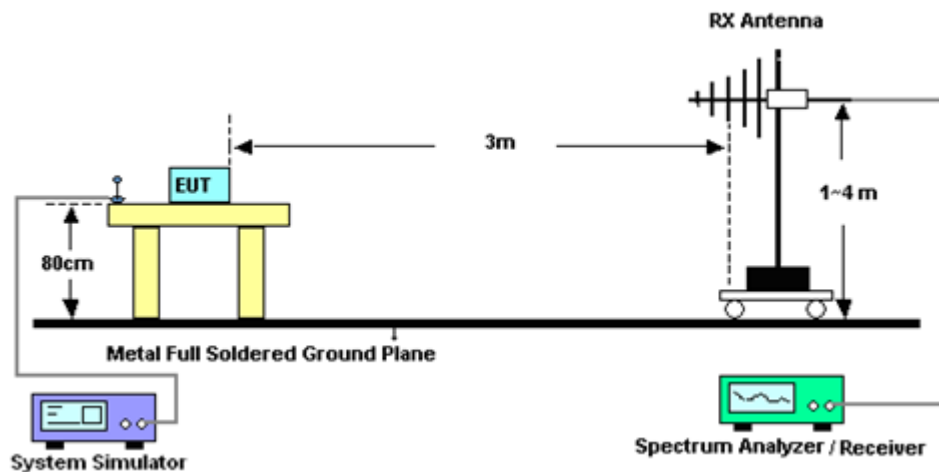
See list of measuring instruments of this test report.

4.1.1 Test Setup

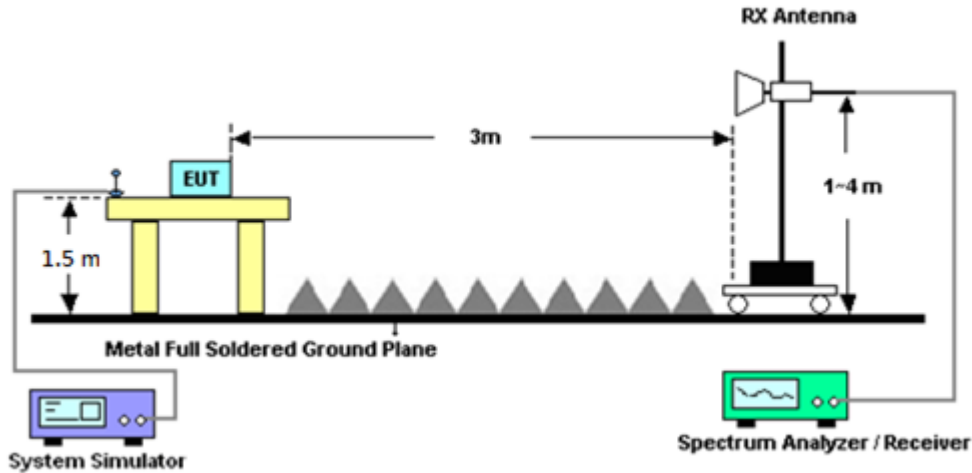
For radiated test below 30MHz



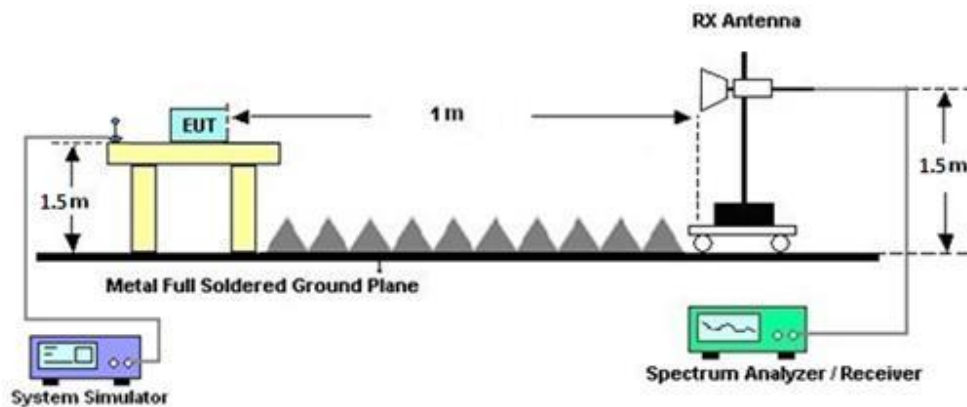
For radiated test from 30MHz to 1GHz



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.
10. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	May 05, 2024~ May 28, 2024	Sep. 11, 2024	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz~40GHz	Nov. 24, 2023	May 05, 2024~ May 28, 2024	Nov. 23, 2024	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N-06	47020 & 06	30MHz to 1GHz	Oct. 07, 2023	May 05, 2024~ May 28, 2024	Oct. 06, 2024	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1G~18GHz	Mar. 28, 2024	May 05, 2024~ May 28, 2024	Mar. 27, 2025	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1GHz	Jul. 03, 2023	May 05, 2024~ May 28, 2024	Jul. 02, 2024	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 07, 2023	May 05, 2024~ May 28, 2024	Dec. 06, 2024	Radiation (03CH16-HY)
Preamplifier	EMEC	EM1G18G	060812	1GHz~18GHz	Dec. 25, 2023	May 05, 2024~ May 28, 2024	Dec. 24, 2024	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060872	18GHz~40GHz	Sep. 06, 2023	May 05, 2024~ May 28, 2024	Sep. 05, 2024	Radiation (03CH16-HY)
Filter	Wainwright	WLK4-1000-15 30-8000-40SS	SN17	1.53GHz Low Pass Filter	Jan. 15, 2024	May 05, 2024~ May 28, 2024	Jan. 14, 2025	Radiation (03CH16-HY)
Filter	Wainwright	WHKX12-900- 1000-15000-6 OSS	SN11	1GHz High Pass Filter	Mar. 13, 2024	May 05, 2024~ May 28, 2024	Mar.12, 2025	Radiation (03CH16-HY)
Filter	Wainwright	WHKX12-2700 -3000-18000-6 OST	SN3	3GHz High Pass Filter	Jun. 29, 2023	May 05, 2024~ May 28, 2024	Jun. 28, 2024	Radiation (03CH16-HY)
Filter	Wainwright	WHKX8-5872. 5-6750-18000- 40ST	SN27	6.75GHz High Pass Filter	Nov. 13, 2023	May 05, 2024~ May 28, 2024	Nov. 12, 2024	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 06, 2024	May 05, 2024~ May 28, 2024	Mar. 05, 2025	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102/SUCOFLEX 104	EC-A5-300-57 57,805935/4,8 02434/4	30MHz~18GHz	Aug. 08, 2023	May 05, 2024~ May 28, 2024	Aug. 07, 2024	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804 012/2	18-40GHz	Jan. 02, 2024	May 05, 2024~ May 28, 2024	Jan. 01, 2025	Radiation (03CH16-HY)
Software	Audix	E3 230621 V9	RK-002393	N/A	N/A	May 05, 2024~ May 28, 2024	N/A	Radiation (03CH16-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	May 05, 2024~ May 28, 2024	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	May 05, 2024~ May 28, 2024	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	May 05, 2024~ May 28, 2024	N/A	Radiation (03CH16-HY)
Radio Communication Analyzer	Anritsu	MT8821C	6262025353	LTE FDD/TDD LTE-2CC DLCA/ULCA	Oct. 03, 2023	May 25, 2024~ Jun. 05, 2024	Oct. 02, 2024	Conducted (TH03-HY)
Coupler+10dB + RFcable	Warison+WoK en+ echannel	20dB 25W SMA Directional Coupler+ 10dB 18GHz 5W+S FL405 1.5M	#A+#1+#1+#7	1-18GHz	Jan. 02, 2024	May 25, 2024~ Jun. 05, 2024	Jan. 01, 2025	Conducted (TH03-HY)
Software	Sporton	LTE Conducted Test Tools	N/A	Conducted Test Item	N/A	May 25, 2024~ Jun. 05, 2024	N/A	Conducted (TH03-HY)



6 Measurement Uncertainty

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

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

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

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

Conducted Output Power(Average power & ERP/EIRP)

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.98 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.41	23.54	23.38	25.52	0.3565
20	1	49		23.39	23.46	23.33		
20	1	99		23.30	23.30	23.32		
20	50	0		22.51	22.52	22.45		
20	50	24		22.43	22.47	22.41		
20	50	50		22.48	22.44	22.43		
20	100	0		22.48	22.47	22.43		
20	1	0	16-QAM	22.77	22.76	22.72	25.13	0.3258
20	1	49		22.84	23.15	22.74		
20	1	99		22.66	22.69	22.64		
20	50	0		21.47	21.49	21.44		
20	50	24		21.54	21.49	21.45		
20	50	50		21.51	21.53	21.48		
20	100	0		21.51	21.47	21.43		
20	1	0	64-QAM	22.52	21.83	21.59	24.57	0.2864
20	1	49		22.59	21.78	21.66		
20	1	99		22.46	21.49	21.55		
20	50	0		21.46	20.52	20.44		
20	50	24		21.52	20.48	20.43		
20	50	50		21.51	20.54	20.48		
20	100	0		21.52	20.45	20.42		
20	1	0	256-QAM	18.24	18.34	18.31	20.41	0.1099
20	1	49		18.26	18.36	18.33		
20	1	99		18.27	18.43	18.40		
20	50	0		18.22	18.33	18.30		
20	50	24		18.12	18.27	18.24		
20	50	50		18.24	18.35	18.32		
20	100	0		18.11	18.21	18.18		
Limit	EIRP < 2W			Result			Pass	



LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.98 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.26	23.42	23.23	25.40	0.3467
15	1	37		23.25	23.32	23.18		
15	1	74		23.18	23.19	23.18		
15	36	0		22.38	22.37	22.31		
15	36	20		22.30	22.35	22.28		
15	36	39		22.33	22.29	22.31		
15	75	0		22.38	22.36	22.30		
15	1	0	16-QAM	22.64	22.66	22.60	25.02	0.3177
15	1	37		22.73	23.04	22.60		
15	1	74		22.52	22.57	22.53		
15	36	0		21.35	21.37	21.31		
15	36	20		21.42	21.36	21.32		
15	36	39		21.37	21.43	21.35		
15	75	0		21.36	21.34	21.31		
15	1	0	64-QAM	22.40	21.68	21.49	24.47	0.2799
15	1	37		22.49	21.68	21.52		
15	1	74		22.34	21.34	21.43		
15	36	0		21.36	20.37	20.31		
15	36	20		21.38	20.34	20.29		
15	36	39		21.37	20.42	20.35		
15	75	0		21.38	20.33	20.27		
15	1	0	256-QAM	18.07	18.19	18.15	20.26	0.1062
15	1	37		18.12	18.18	18.22		
15	1	74		18.10	18.24	18.28		
15	36	0		18.05	18.22	18.10		
15	36	20		18.01	18.13	18.07		
15	36	39		18.13	18.15	18.12		
15	75	0		18.07	18.06	18.03		
Limit	EIRP < 2W			Result			Pass	



LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.98 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.45	23.52	23.47	25.50	0.3548
10	1	25		23.44	23.48	23.52		
10	1	49		23.42	23.51	23.43		
10	25	0		22.56	22.59	22.56		
10	25	12		22.53	22.54	22.46		
10	25	25		22.52	22.50	22.54		
10	50	0		22.52	22.54	22.50		
10	1	0	16-QAM	22.90	22.94	22.81	24.98	0.3148
10	1	25		22.90	23.00	22.90		
10	1	49		22.88	22.96	22.88		
10	25	0		21.54	21.51	21.47		
10	25	12		21.54	21.51	21.57		
10	25	25		21.53	21.58	21.55		
10	50	0		21.51	21.49	21.53		
10	1	0	64-QAM	21.63	21.67	21.68	23.78	0.2388
10	1	25		21.75	21.80	21.72		
10	1	49		21.71	21.79	21.75		
10	25	0		20.54	20.52	20.45		
10	25	12		20.54	20.53	20.56		
10	25	25		20.52	20.58	20.50		
10	50	0		20.52	20.48	20.54		
10	1	0	256-QAM	18.06	18.21	18.19	20.27	0.1064
10	1	25		18.16	18.20	18.20		
10	1	49		18.17	18.23	18.29		
10	25	0		18.06	18.23	18.15		
10	25	12		18.04	18.10	18.06		
10	25	25		18.13	18.25	18.15		
10	50	0		18.04	18.03	18.06		
Limit	EIRP < 2W			Result			Pass	



LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.98 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.37	23.47	23.38	25.45	0.3508
5	1	12		23.38	23.38	23.44		
5	1	24		23.34	23.42	23.38		
5	12	0		22.47	22.52	22.51		
5	12	7		22.45	22.49	22.39		
5	12	13		22.42	22.44	22.48		
5	25	0		22.45	22.46	22.45		
5	1	0	16-QAM	22.85	22.87	22.74	24.92	0.3105
5	1	12		22.80	22.94	22.81		
5	1	24		22.81	22.91	22.81		
5	12	0		21.46	21.43	21.37		
5	12	7		21.46	21.42	21.51		
5	12	13		21.44	21.52	21.49		
5	25	0		21.46	21.41	21.45		
5	1	0	64-QAM	21.57	21.58	21.59	23.71	0.2350
5	1	12		21.65	21.73	21.66		
5	1	24		21.63	21.73	21.65		
5	12	0		20.46	20.42	20.36		
5	12	7		20.46	20.48	20.49		
5	12	13		20.42	20.49	20.40		
5	25	0		20.46	20.42	20.44		
5	1	0	256-QAM	18.04	18.18	18.12	20.27	0.1064
5	1	12		18.12	18.21	18.23		
5	1	24		18.11	18.29	18.29		
5	12	0		18.07	18.23	18.11		
5	12	7		18.00	18.10	18.12		
5	12	13		18.05	18.19	18.22		
5	25	0		18.01	18.06	18.08		
Limit	EIRP < 2W			Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG440813B

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.98 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.28	23.40	23.32	25.38	0.3451
3	1	8		23.30	23.31	23.35		
3	1	14		23.24	23.33	23.30		
3	8	0		22.39	22.42	22.46		
3	8	4		22.36	22.42	22.29		
3	8	7		22.37	22.37	22.43		
3	15	0		22.39	22.39	22.39		
3	1	0	16-QAM	22.80	22.82	22.64	24.82	0.3034
3	1	8		22.72	22.84	22.71		
3	1	14		22.74	22.81	22.75		
3	8	0		21.36	21.35	21.30		
3	8	4		21.37	21.33	21.43		
3	8	7		21.35	21.47	21.43		
3	15	0		21.39	21.35	21.38		
3	1	0	64-QAM	21.50	21.51	21.54	23.66	0.2323
3	1	8		21.57	21.68	21.57		
3	1	14		21.54	21.67	21.57		
3	8	0		20.41	20.33	20.26		
3	8	4		20.39	20.40	20.43		
3	8	7		20.33	20.41	20.34		
3	15	0		20.41	20.37	20.39		
3	1	0	256-QAM	18.08	18.20	18.15	20.30	0.1072
3	1	8		18.14	18.16	18.23		
3	1	14		18.11	18.32	18.25		
3	8	0		18.06	18.14	18.10		
3	8	4		18.17	18.10	18.06		
3	8	7		18.11	18.16	18.15		
3	15	0		18.04	18.07	18.06		
Limit	EIRP < 2W			Result			Pass	



LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.98 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.31	23.41	23.38	25.49	0.3540
1.4	1	3		23.37	23.44	23.38		
1.4	1	5		23.36	23.43	23.37		
1.4	3	0		23.37	23.49	23.45		
1.4	3	1		23.40	23.51	23.45		
1.4	3	3		23.37	23.47	23.45		
1.4	6	0		22.39	22.47	22.46		
1.4	1	0	16-QAM	22.79	22.90	22.87	24.97	0.3141
1.4	1	3		22.82	22.99	22.84		
1.4	1	5		22.84	22.91	22.82		
1.4	3	0		22.58	22.70	22.63		
1.4	3	1		22.53	22.68	22.63		
1.4	3	3		22.54	22.74	22.64		
1.4	6	0		21.50	21.62	21.58		
1.4	1	0	64-QAM	21.59	21.72	21.72	23.77	0.2382
1.4	1	3		21.61	21.78	21.75		
1.4	1	5		21.57	21.79	21.68		
1.4	3	0		21.51	21.73	21.59		
1.4	3	1		21.52	21.70	21.67		
1.4	3	3		21.55	21.62	21.63		
1.4	6	0		20.47	20.59	20.55		
1.4	1	0	256-QAM	18.11	18.17	18.21	20.23	0.1054
1.4	1	3		18.15	18.19	18.21		
1.4	1	5		18.14	18.25	18.20		
1.4	3	0		18.04	18.21	18.19		
1.4	3	1		18.10	18.11	18.05		
1.4	3	3		18.14	18.22	18.14		
1.4	6	0		18.01	18.08	18.00		
Limit	EIRP < 2W			Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG440813B

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.85 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.45	23.55	23.52	25.40	0.3467
20	1	49		23.40	23.52	23.47		
20	1	99		23.45	23.48	23.49		
20	50	0		22.59	22.64	22.57		
20	50	24		22.49	22.55	22.51		
20	50	50		22.55	22.61	22.52		
20	100	0		22.57	22.63	22.57		
20	1	0	16-QAM	22.90	22.81	22.83	24.77	0.2999
20	1	49		22.86	22.92	22.84		
20	1	99		22.81	22.82	22.80		
20	50	0		21.52	21.55	21.53		
20	50	24		21.59	21.64	21.58		
20	50	50		21.59	21.60	21.62		
20	100	0		21.57	21.64	21.57		
20	1	0	64-QAM	21.71	21.67	21.73	23.60	0.2291
20	1	49		21.64	21.75	21.74		
20	1	99		21.63	21.74	21.75		
20	50	0		20.51	20.53	20.54		
20	50	24		20.57	20.64	20.54		
20	50	50		20.55	20.63	20.61		
20	100	0		20.55	20.65	20.57		
20	1	0	256-QAM	18.43	18.47	18.40	20.40	0.1096
20	1	49		18.40	18.53	18.46		
20	1	99		18.52	18.55	18.48		
20	50	0		18.32	18.35	18.28		
20	50	24		18.33	18.37	18.30		
20	50	50		18.39	18.47	18.40		
20	100	0		18.29	18.33	18.26		
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.85 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.23	23.32	23.32	25.18	0.3296
15	1	37		23.17	23.33	23.25		
15	1	74		23.26	23.29	23.31		
15	36	0		22.39	22.44	22.38		
15	36	20		22.27	22.32	22.30		
15	36	39		22.32	22.40	22.29		
15	75	0		22.34	22.40	22.35		
15	1	0	16-QAM	22.69	22.63	22.64	24.59	0.2877
15	1	37		22.64	22.74	22.61		
15	1	74		22.59	22.59	22.58		
15	36	0		21.34	21.34	21.35		
15	36	20		21.36	21.41	21.36		
15	36	39		21.41	21.41	21.40		
15	75	0		21.39	21.41	21.36		
15	1	0	64-QAM	21.48	21.48	21.52	23.40	0.2188
15	1	37		21.44	21.55	21.52		
15	1	74		21.41	21.54	21.53		
15	36	0		20.28	20.35	20.32		
15	36	20		20.35	20.46	20.36		
15	36	39		20.33	20.45	20.42		
15	75	0		20.34	20.42	20.37		
15	1	0	256-QAM	18.22	18.28	18.22	20.21	0.1050
15	1	37		18.19	18.36	18.26		
15	1	74		18.35	18.35	18.28		
15	36	0		18.08	18.12	18.04		
15	36	20		18.07	18.21	18.05		
15	36	39		18.20	18.28	18.16		
15	75	0		18.07	18.09	18.10		
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.85 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.22	23.32	23.29	25.17	0.3289
10	1	25		23.18	23.29	23.27		
10	1	49		23.24	23.27	23.26		
10	25	0		22.40	22.43	22.37		
10	25	12		22.27	22.37	22.28		
10	25	25		22.37	22.42	22.30		
10	50	0		22.36	22.41	22.38		
10	1	0	16-QAM	22.69	22.60	22.65	24.54	0.2844
10	1	25		22.65	22.69	22.61		
10	1	49		22.62	22.62	22.62		
10	25	0		21.29	21.37	21.33		
10	25	12		21.40	21.43	21.39		
10	25	25		21.36	21.38	21.43		
10	50	0		21.36	21.44	21.34		
10	1	0	64-QAM	21.50	21.45	21.55	23.42	0.2198
10	1	25		21.41	21.57	21.55		
10	1	49		21.42	21.54	21.52		
10	25	0		20.32	20.31	20.32		
10	25	12		20.39	20.41	20.36		
10	25	25		20.33	20.44	20.42		
10	50	0		20.33	20.47	20.39		
10	1	0	256-QAM	18.21	18.21	18.19	20.21	0.1050
10	1	25		18.15	18.29	18.24		
10	1	49		18.36	18.34	18.24		
10	25	0		18.13	18.18	18.03		
10	25	12		18.09	18.13	18.04		
10	25	25		18.19	18.27	18.18		
10	50	0		18.09	18.13	18.00		
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.85 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.24	23.36	23.34	25.21	0.3319
5	1	12		23.20	23.34	23.24		
5	1	24		23.23	23.29	23.30		
5	12	0		22.38	22.45	22.36		
5	12	7		22.26	22.35	22.29		
5	12	13		22.36	22.40	22.30		
5	25	0		22.35	22.45	22.36		
5	1	0	16-QAM	22.69	22.61	22.64	24.58	0.2871
5	1	12		22.68	22.73	22.63		
5	1	24		22.59	22.60	22.60		
5	12	0		21.30	21.36	21.31		
5	12	7		21.36	21.41	21.37		
5	12	13		21.41	21.42	21.41		
5	25	0		21.39	21.45	21.36		
5	1	0	64-QAM	21.49	21.49	21.55	23.40	0.2188
5	1	12		21.46	21.53	21.51		
5	1	24		21.40	21.52	21.54		
5	12	0		20.33	20.32	20.31		
5	12	7		20.38	20.44	20.33		
5	12	13		20.35	20.42	20.42		
5	25	0		20.32	20.45	20.34		
5	1	0	256-QAM	18.27	18.27	18.20	20.20	0.1047
5	1	12		18.14	18.34	18.22		
5	1	24		18.29	18.35	18.28		
5	12	0		18.09	18.15	18.07		
5	12	7		18.09	18.19	18.06		
5	12	13		18.18	18.22	18.14		
5	25	0		18.12	18.12	18.10		
Limit	EIRP < 2W			Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG440813B

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.85 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.15	23.27	23.27	25.12	0.3251
3	1	8		23.14	23.27	23.19		
3	1	14		23.18	23.24	23.20		
3	8	0		22.33	22.37	22.27		
3	8	4		22.18	22.28	22.21		
3	8	7		22.26	22.33	22.24		
3	15	0		22.25	22.38	22.28		
3	1	0	16-QAM	22.61	22.53	22.55	24.53	0.2838
3	1	8		22.63	22.68	22.54		
3	1	14		22.53	22.51	22.51		
3	8	0		21.21	21.29	21.23		
3	8	4		21.31	21.33	21.31		
3	8	7		21.36	21.37	21.36		
3	15	0		21.33	21.39	21.26		
3	1	0	64-QAM	21.40	21.40	21.49	23.34	0.2158
3	1	8		21.41	21.47	21.43		
3	1	14		21.31	21.47	21.48		
3	8	0		20.27	20.23	20.24		
3	8	4		20.31	20.35	20.27		
3	8	7		20.30	20.32	20.36		
3	15	0		20.24	20.37	20.24		
3	1	0	256-QAM	18.23	18.30	18.21	20.21	0.1050
3	1	8		18.24	18.29	18.20		
3	1	14		18.36	18.35	18.32		
3	8	0		18.13	18.09	18.02		
3	8	4		18.09	18.21	18.05		
3	8	7		18.13	18.28	18.16		
3	15	0		18.10	18.07	18.04		
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.85 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.25	23.34	23.32	25.25	0.3350
1.4	1	3		23.29	23.36	23.36		
1.4	1	5		23.27	23.33	23.32		
1.4	3	0		23.33	23.38	23.37		
1.4	3	1		23.32	23.39	23.39		
1.4	3	3		23.33	23.39	23.40		
1.4	6	0		22.32	22.39	22.39		
1.4	1	0	16-QAM	22.73	22.78	22.76	24.68	0.2938
1.4	1	3		22.74	22.83	22.82		
1.4	1	5		22.72	22.83	22.78		
1.4	3	0		22.53	22.63	22.54		
1.4	3	1		22.44	22.58	22.53		
1.4	3	3		22.46	22.60	22.57		
1.4	6	0		21.43	21.50	21.45		
1.4	1	0	64-QAM	21.56	21.67	21.63	23.53	0.2254
1.4	1	3		21.52	21.62	21.67		
1.4	1	5		21.61	21.53	21.68		
1.4	3	0		21.48	21.52	21.51		
1.4	3	1		21.45	21.58	21.53		
1.4	3	3		21.46	21.55	21.54		
1.4	6	0		20.40	20.46	20.47		
1.4	1	0	256-QAM	18.21	18.26	18.19	20.19	0.1045
1.4	1	3		18.17	18.34	18.27		
1.4	1	5		18.27	18.30	18.27		
1.4	3	0		18.10	18.19	18.12		
1.4	3	1		18.10	18.11	18.04		
1.4	3	3		18.16	18.24	18.16		
1.4	6	0		18.09	18.16	18.00		
Limit	EIRP < 2W			Result			Pass	



LTE Band 4 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	23.59	23.62	23.64	25.63	0.3656
20	1	49		23.50	23.56	23.50		
20	1	99		23.61	23.55	23.52		
20	50	0		22.53	22.60	22.63		
20	50	24		22.60	22.61	22.58		
20	50	50		22.61	22.62	22.59		
20	100	0		22.60	22.58	22.57		
20	1	0	16-QAM	22.78	22.88	22.92	24.91	0.3097
20	1	49		22.90	22.85	22.80		
20	1	99		22.88	22.80	22.79		
20	50	0		21.54	21.63	21.64		
20	50	24		21.63	21.61	21.58		
20	50	50		21.63	21.65	21.64		
20	100	0		21.61	21.61	21.59		
20	1	0	64-QAM	21.76	21.80	21.87	23.86	0.2432
20	1	49		21.74	21.87	21.74		
20	1	99		21.75	21.77	21.76		
20	50	0		20.53	20.62	20.63		
20	50	24		20.64	20.59	20.59		
20	50	50		20.62	20.65	20.63		
20	100	0		20.63	20.57	20.56		
20	1	0	256-QAM	18.41	18.50	18.38	20.65	0.1161
20	1	49		18.54	18.64	18.51		
20	1	99		18.57	18.66	18.53		
20	50	0		18.24	18.32	18.19		
20	50	24		18.30	18.39	18.20		
20	50	50		18.44	18.53	18.43		
20	100	0		18.22	18.32	18.17		
Limit	EIRP < 1W			Result			Pass	



LTE Band 4 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	23.49	23.53	23.57	25.56	0.3597
15	1	37		23.43	23.50	23.42		
15	1	74		23.55	23.47	23.45		
15	36	0		22.48	22.50	22.58		
15	36	20		22.50	22.52	22.52		
15	36	39		22.54	22.55	22.53		
15	75	0		22.53	22.51	22.47		
15	1	0	16-QAM	22.73	22.83	22.87	24.86	0.3062
15	1	37		22.84	22.76	22.72		
15	1	74		22.79	22.72	22.72		
15	36	0		21.45	21.56	21.56		
15	36	20		21.56	21.56	21.52		
15	36	39		21.58	21.55	21.58		
15	75	0		21.53	21.51	21.49		
15	1	0	64-QAM	21.67	21.71	21.81	23.81	0.2404
15	1	37		21.64	21.82	21.65		
15	1	74		21.68	21.68	21.70		
15	36	0		20.45	20.54	20.56		
15	36	20		20.58	20.54	20.54		
15	36	39		20.54	20.57	20.55		
15	75	0		20.53	20.50	20.49		
15	1	0	256-QAM	18.29	18.34	18.27	20.51	0.1125
15	1	37		18.43	18.45	18.31		
15	1	74		18.37	18.52	18.37		
15	36	0		18.12	18.18	18.10		
15	36	20		18.18	18.22	18.06		
15	36	39		18.32	18.43	18.24		
15	75	0		18.08	18.14	18.02		
Limit	EIRP < 1W			Result			Pass	



LTE Band 4 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	23.58	23.61	23.62	25.61	0.3639
10	1	25		23.50	23.59	23.60		
10	1	49		23.52	23.54	23.58		
10	25	0		22.61	22.68	22.69		
10	25	12		22.50	22.64	22.62		
10	25	25		22.59	22.60	22.69		
10	50	0		22.58	22.60	22.70		
10	1	0	16-QAM	22.90	23.08	23.04	25.11	0.3243
10	1	25		22.97	23.12	23.02		
10	1	49		22.99	23.00	23.03		
10	25	0		21.56	21.62	21.63		
10	25	12		21.63	21.64	21.74		
10	25	25		21.63	21.69	21.70		
10	50	0		21.61	21.60	21.70		
10	1	0	64-QAM	21.82	21.97	21.86	23.96	0.2489
10	1	25		21.89	21.93	21.91		
10	1	49		21.82	21.90	21.76		
10	25	0		20.54	20.61	20.63		
10	25	12		20.62	20.66	20.74		
10	25	25		20.61	20.67	20.69		
10	50	0		20.64	20.63	20.68		
10	1	0	256-QAM	18.23	18.36	18.25	20.45	0.1109
10	1	25		18.39	18.44	18.41		
10	1	49		18.42	18.46	18.35		
10	25	0		18.09	18.14	18.10		
10	25	12		18.12	18.23	18.05		
10	25	25		18.26	18.40	18.26		
10	50	0		18.02	18.21	18.00		
Limit	EIRP < 1W			Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG440813B

LTE Band 4 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	23.51	23.53	23.57	25.56	0.3597
5	1	12		23.43	23.47	23.42		
5	1	24		23.51	23.49	23.45		
5	12	0		22.45	22.52	22.57		
5	12	7		22.53	22.53	22.53		
5	12	13		22.52	22.55	22.50		
5	25	0		22.53	22.51	22.47		
5	1	0	16-QAM	22.68	22.80	22.85	24.84	0.3048
5	1	12		22.82	22.80	22.72		
5	1	24		22.81	22.72	22.70		
5	12	0		21.44	21.58	21.58		
5	12	7		21.58	21.53	21.53		
5	12	13		21.54	21.58	21.56		
5	25	0		21.54	21.55	21.53		
5	1	0	64-QAM	21.68	21.73	21.82	23.81	0.2404
5	1	12		21.66	21.78	21.64		
5	1	24		21.66	21.69	21.71		
5	12	0		20.47	20.53	20.58		
5	12	7		20.54	20.49	20.49		
5	12	13		20.54	20.60	20.54		
5	25	0		20.54	20.51	20.48		
5	1	0	256-QAM	18.21	18.34	18.21	20.48	0.1117
5	1	12		18.37	18.49	18.36		
5	1	24		18.44	18.49	18.33		
5	12	0		18.13	18.19	18.03		
5	12	7		18.10	18.26	18.09		
5	12	13		18.26	18.37	18.23		
5	25	0		18.09	18.20	18.03		
Limit	EIRP < 1W			Result			Pass	



LTE Band 4 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	23.44	23.48	23.51	25.50	0.3548
3	1	8		23.38	23.39	23.37		
3	1	14		23.44	23.44	23.35		
3	8	0		22.38	22.45	22.50		
3	8	4		22.44	22.48	22.46		
3	8	7		22.46	22.47	22.44		
3	15	0		22.44	22.41	22.40		
3	1	0	16-QAM	22.60	22.70	22.78	24.77	0.2999
3	1	8		22.76	22.75	22.67		
3	1	14		22.73	22.65	22.60		
3	8	0		21.37	21.52	21.49		
3	8	4		21.52	21.45	21.45		
3	8	7		21.47	21.53	21.46		
3	15	0		21.45	21.49	21.48		
3	1	0	64-QAM	21.62	21.66	21.74	23.73	0.2360
3	1	8		21.57	21.69	21.57		
3	1	14		21.59	21.64	21.62		
3	8	0		20.37	20.45	20.51		
3	8	4		20.45	20.44	20.39		
3	8	7		20.46	20.54	20.48		
3	15	0		20.45	20.41	20.42		
3	1	0	256-QAM	18.23	18.38	18.25	20.45	0.1109
3	1	8		18.34	18.45	18.37		
3	1	14		18.44	18.46	18.34		
3	8	0		18.09	18.13	18.05		
3	8	4		18.10	18.19	18.09		
3	8	7		18.29	18.34	18.31		
3	15	0		18.12	18.16	18.08		
Limit	EIRP < 1W			Result			Pass	



LTE Band 4 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	23.44	23.49	23.47	25.54	0.3581
1.4	1	3		23.46	23.51	23.48		
1.4	1	5		23.41	23.49	23.42		
1.4	3	0		23.48	23.55	23.53		
1.4	3	1		23.50	23.55	23.53		
1.4	3	3		23.48	23.53	23.49		
1.4	6	0		22.46	22.53	22.52		
1.4	1	0	16-QAM	22.85	22.98	22.96	24.99	0.3155
1.4	1	3		22.96	23.00	23.00		
1.4	1	5		22.77	22.99	22.94		
1.4	3	0		22.65	22.68	22.68		
1.4	3	1		22.64	22.72	22.70		
1.4	3	3		22.66	22.75	22.74		
1.4	6	0		21.59	21.59	21.62		
1.4	1	0	64-QAM	21.62	21.76	21.72	23.78	0.2388
1.4	1	3		21.74	21.79	21.78		
1.4	1	5		21.75	21.75	21.71		
1.4	3	0		21.63	21.74	21.65		
1.4	3	1		21.63	21.70	21.71		
1.4	3	3		21.59	21.68	21.67		
1.4	6	0		20.50	20.64	20.56		
1.4	1	0	256-QAM	18.27	18.35	18.22	20.49	0.1119
1.4	1	3		18.41	18.50	18.36		
1.4	1	5		18.47	18.47	18.34		
1.4	3	0		18.06	18.15	18.09		
1.4	3	1		18.18	18.26	18.04		
1.4	3	3		18.32	18.42	18.23		
1.4	6	0		18.12	18.22	18.01		
Limit	EIRP < 1W			Result			Pass	



LTE Band 5 Maximum Average Power [dBm] (GT - LC = -1.76 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.55	23.57	23.57	19.66	0.0925
10	1	25		23.48	23.45	23.55		
10	1	49		23.43	23.53	23.48		
10	25	0		22.61	22.67	22.57		
10	25	12		22.55	22.60	22.55		
10	25	25		22.57	22.58	22.53		
10	50	0		22.53	22.51	22.56		
10	1	0	16-QAM	22.97	22.83	23.01	19.10	0.0813
10	1	25		22.88	22.97	22.94		
10	1	49		22.89	22.94	22.90		
10	25	0		21.54	21.54	21.61		
10	25	12		21.63	21.59	21.58		
10	25	25		21.57	21.70	21.57		
10	50	0		21.60	21.59	21.52		
10	1	0	64-QAM	21.81	21.70	21.82	17.94	0.0622
10	1	25		21.64	21.85	21.76		
10	1	49		21.70	21.85	21.70		
10	25	0		20.56	20.57	20.59		
10	25	12		20.64	20.58	20.54		
10	25	25		20.56	20.66	20.58		
10	50	0		20.63	20.55	20.52		
10	1	0	256-QAM	18.06	18.20	18.03	14.58	0.0287
10	1	25		18.31	18.48	18.31		
10	1	49		18.33	18.49	18.38		
10	25	0		18.13	18.25	18.13		
10	25	12		18.20	18.31	18.15		
10	25	25		18.32	18.43	18.30		
10	50	0		18.14	18.27	18.12		
Limit	ERP < 7W			Result			Pass	



LTE Band 5 Maximum Average Power [dBm] (GT - LC = -1.76 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.46	23.51	23.47	19.60	0.0912
5	1	12		23.42	23.42	23.46		
5	1	24		23.37	23.46	23.37		
5	12	0		22.53	22.58	22.46		
5	12	7		22.47	22.50	22.44		
5	12	13		22.50	22.46	22.43		
5	25	0		22.45	22.38	22.50		
5	1	0	16-QAM	22.93	22.77	22.97	19.06	0.0805
5	1	12		22.83	22.88	22.87		
5	1	24		22.79	22.87	22.86		
5	12	0		21.49	21.45	21.51		
5	12	7		21.55	21.52	21.52		
5	12	13		21.49	21.61	21.50		
5	25	0		21.52	21.53	21.44		
5	1	0	64-QAM	21.73	21.64	21.74	17.90	0.0617
5	1	12		21.55	21.81	21.68		
5	1	24		21.63	21.79	21.65		
5	12	0		20.52	20.44	20.51		
5	12	7		20.55	20.51	20.45		
5	12	13		20.45	20.59	20.51		
5	25	0		20.54	20.47	20.48		
5	1	0	256-QAM	17.97	18.04	17.88	14.49	0.0281
5	1	12		18.17	18.34	18.16		
5	1	24		18.24	18.40	18.26		
5	12	0		17.98	18.19	18.02		
5	12	7		18.12	18.19	18.20		
5	12	13		18.15	18.28	18.17		
5	25	0		17.99	18.15	18.03		
Limit	ERP < 7W			Result			Pass	



LTE Band 5 Maximum Average Power [dBm] (GT - LC = -1.76 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.43	23.47	23.46	19.58	0.0908
3	1	8		23.39	23.38	23.49		
3	1	14		23.35	23.45	23.40		
3	8	0		22.52	22.61	22.49		
3	8	4		22.47	22.54	22.45		
3	8	7		22.46	22.50	22.45		
3	15	0		22.46	22.45	22.51		
3	1	0	16-QAM	22.88	22.75	22.95	19.04	0.0802
3	1	8		22.86	22.87	22.85		
3	1	14		22.82	22.86	22.80		
3	8	0		21.46	21.45	21.51		
3	8	4		21.54	21.54	21.48		
3	8	7		21.51	21.63	21.52		
3	15	0		21.53	21.51	21.48		
3	1	0	64-QAM	21.70	21.67	21.76	17.90	0.0617
3	1	8		21.58	21.81	21.71		
3	1	14		21.66	21.72	21.64		
3	8	0		20.53	20.47	20.53		
3	8	4		20.56	20.51	20.44		
3	8	7		20.50	20.57	20.51		
3	15	0		20.56	20.50	20.45		
3	1	0	256-QAM	17.90	18.11	17.94	14.47	0.0280
3	1	8		18.21	18.30	18.11		
3	1	14		18.25	18.38	18.27		
3	8	0		18.03	18.12	18.04		
3	8	4		18.02	18.18	18.06		
3	8	7		18.20	18.27	18.19		
3	15	0		17.98	18.10	18.01		
Limit	ERP < 7W			Result			Pass	



LTE Band 5 Maximum Average Power [dBm] (GT - LC = -1.76 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.41	23.47	23.37	19.60	0.0912
1.4	1	3		23.42	23.50	23.45		
1.4	1	5		23.44	23.45	23.39		
1.4	3	0		23.51	23.43	23.40		
1.4	3	1		23.47	23.48	23.42		
1.4	3	3		23.48	23.46	23.46		
1.4	6	0		22.54	22.52	22.45		
1.4	1	0	16-QAM	22.85	22.86	22.82	18.98	0.0791
1.4	1	3		22.89	22.88	22.83		
1.4	1	5		22.84	22.88	22.84		
1.4	3	0		22.66	22.61	22.54		
1.4	3	1		22.61	22.68	22.58		
1.4	3	3		22.68	22.66	22.56		
1.4	6	0		21.62	21.63	21.51		
1.4	1	0	64-QAM	21.70	21.70	21.53	17.88	0.0614
1.4	1	3		21.79	21.77	21.63		
1.4	1	5		21.72	21.70	21.55		
1.4	3	0		21.63	21.61	21.60		
1.4	3	1		21.69	21.65	21.62		
1.4	3	3		21.64	21.68	21.58		
1.4	6	0		20.59	20.52	20.50		
1.4	1	0	256-QAM	17.90	18.06	17.86	14.45	0.0279
1.4	1	3		18.14	18.28	18.23		
1.4	1	5		18.18	18.36	18.29		
1.4	3	0		18.03	18.15	17.98		
1.4	3	1		18.10	18.14	18.08		
1.4	3	3		18.15	18.34	18.19		
1.4	6	0		17.94	18.17	17.98		
Limit	ERP < 7W			Result			Pass	



LTE Band 7 Maximum Average Power [dBm] (GT - LC = 1.72 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.56	23.53	23.63	25.35	0.3428
20	1	49		23.53	23.50	23.53		
20	1	99		23.46	23.42	23.44		
20	50	0		22.66	22.63	22.67		
20	50	24		22.66	22.56	22.65		
20	50	50		22.52	22.51	22.53		
20	100	0		22.62	22.62	22.66		
20	1	0	16-QAM	22.74	22.76	22.81	24.94	0.3119
20	1	49		23.22	23.03	22.85		
20	1	99		22.96	22.87	23.01		
20	50	0		21.54	21.52	21.58		
20	50	24		21.67	21.60	21.72		
20	50	50		21.68	21.69	21.70		
20	100	0		21.65	21.69	21.66		
20	1	0	64-QAM	21.66	21.65	21.70	23.54	0.2259
20	1	49		21.81	21.79	21.78		
20	1	99		21.82	21.80	21.77		
20	50	0		20.56	20.54	20.56		
20	50	24		20.67	20.55	20.69		
20	50	50		20.69	20.67	20.71		
20	100	0		20.67	20.66	20.68		
20	1	0	256-QAM	18.30	18.40	18.19	20.12	0.1028
20	1	49		18.23	18.28	18.09		
20	1	99		18.25	18.33	18.27		
20	50	0		18.09	18.19	18.04		
20	50	24		18.16	18.25	18.14		
20	50	50		18.10	18.23	18.18		
20	100	0		18.11	18.27	18.17		
Limit	EIRP < 2W			Result			Pass	



LTE Band 7 Maximum Average Power [dBm] (GT - LC = 1.72 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.51	23.44	23.56	25.28	0.3373
15	1	37		23.44	23.43	23.44		
15	1	74		23.38	23.37	23.35		
15	36	0		22.57	22.56	22.60		
15	36	20		22.56	22.49	22.57		
15	36	39		22.44	22.46	22.44		
15	75	0		22.53	22.53	22.57		
15	1	0	16-QAM	22.65	22.67	22.76	24.86	0.3062
15	1	37		23.14	22.95	22.80		
15	1	74		22.88	22.77	22.92		
15	36	0		21.49	21.44	21.52		
15	36	20		21.57	21.50	21.66		
15	36	39		21.61	21.59	21.65		
15	75	0		21.55	21.61	21.60		
15	1	0	64-QAM	21.59	21.56	21.63	23.45	0.2213
15	1	37		21.72	21.71	21.71		
15	1	74		21.73	21.70	21.69		
15	36	0		20.50	20.49	20.50		
15	36	20		20.61	20.50	20.61		
15	36	39		20.63	20.60	20.61		
15	75	0		20.59	20.59	20.59		
15	1	0	256-QAM	18.20	18.35	18.13	20.07	0.1016
15	1	37		18.08	18.17	18.14		
15	1	74		18.20	18.30	18.22		
15	36	0		18.02	18.13	18.10		
15	36	20		18.05	18.16	18.06		
15	36	39		18.17	18.18	18.13		
15	75	0		18.12	18.23	18.06		
Limit	EIRP < 2W			Result			Pass	



LTE Band 7 Maximum Average Power [dBm] (GT - LC = 1.72 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.62	23.61	23.62	25.34	0.3420
10	1	25		23.54	23.51	23.56		
10	1	49		23.60	23.59	23.61		
10	25	0		22.71	22.66	22.68		
10	25	12		22.60	22.59	22.59		
10	25	25		22.69	22.56	22.68		
10	50	0		22.68	22.65	22.66		
10	1	0	16-QAM	22.90	22.98	23.06	24.78	0.3006
10	1	25		23.05	23.01	23.05		
10	1	49		23.05	23.01	23.05		
10	25	0		21.59	21.57	21.59		
10	25	12		21.70	21.62	21.72		
10	25	25		21.73	21.69	21.70		
10	50	0		21.68	21.64	21.68		
10	1	0	64-QAM	21.77	21.87	21.81	23.68	0.2333
10	1	25		21.86	21.90	21.93		
10	1	49		21.93	21.88	21.96		
10	25	0		20.56	20.56	20.58		
10	25	12		20.72	20.62	20.70		
10	25	25		20.70	20.68	20.71		
10	50	0		20.66	20.65	20.66		
10	1	0	256-QAM	18.27	18.31	18.13	20.03	0.1007
10	1	25		18.17	18.17	18.00		
10	1	49		18.10	18.19	18.24		
10	25	0		18.00	18.07	18.00		
10	25	12		18.01	18.12	18.09		
10	25	25		18.04	18.11	18.03		
10	50	0		18.06	18.19	18.04		
Limit	EIRP < 2W			Result			Pass	



LTE Band 7 Maximum Average Power [dBm] (GT - LC = 1.72 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.54	23.53	23.53	25.26	0.3357
5	1	12		23.48	23.44	23.47		
5	1	24		23.51	23.50	23.52		
5	12	0		22.65	22.59	22.58		
5	12	7		22.52	22.49	22.52		
5	12	13		22.60	22.50	22.60		
5	25	0		22.59	22.55	22.59		
5	1	0	16-QAM	22.83	22.93	22.98	24.72	0.2965
5	1	12		23.00	22.92	23.00		
5	1	24		22.95	22.96	23.00		
5	12	0		21.49	21.51	21.54		
5	12	7		21.65	21.54	21.66		
5	12	13		21.65	21.59	21.61		
5	25	0		21.63	21.59	21.61		
5	1	0	64-QAM	21.69	21.82	21.76	23.63	0.2307
5	1	12		21.78	21.80	21.83		
5	1	24		21.85	21.81	21.91		
5	12	0		20.46	20.49	20.53		
5	12	7		20.65	20.57	20.61		
5	12	13		20.60	20.60	20.62		
5	25	0		20.60	20.58	20.56		
5	1	0	256-QAM	18.23	18.27	18.16	19.99	0.0998
5	1	12		18.20	18.16	18.15		
5	1	24		18.13	18.20	18.23		
5	12	0		18.06	18.05	18.02		
5	12	7		18.12	18.17	18.18		
5	12	13		18.15	18.16	18.14		
5	25	0		18.07	18.12	18.05		
Limit	EIRP < 2W			Result			Pass	



LTE Band 12 Maximum Average Power [dBm] (GT - LC = 0.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.70	23.75	23.74	21.90	0.1549
10	1	25		23.63	23.67	23.64		
10	1	49		23.69	23.74	23.69		
10	25	0		22.75	22.82	22.80		
10	25	12		22.74	22.77	22.73		
10	25	25		22.63	22.73	22.71		
10	50	0		22.74	22.80	22.70		
10	1	0	16-QAM	23.14	23.14	23.03	21.29	0.1346
10	1	25		23.08	23.09	23.10		
10	1	49		23.13	23.12	23.09		
10	25	0		21.76	21.72	21.68		
10	25	12		21.83	21.74	21.72		
10	25	25		21.85	21.84	21.82		
10	50	0		21.81	21.72	21.68		
10	1	0	64-QAM	21.90	21.97	21.91	20.19	0.1045
10	1	25		21.96	21.94	21.94		
10	1	49		22.04	22.01	21.97		
10	25	0		20.74	20.74	20.68		
10	25	12		20.86	20.79	20.77		
10	25	25		20.85	20.83	20.79		
10	50	0		20.81	20.72	20.70		
10	1	0	256-QAM	18.69	18.77	18.75	16.92	0.0492
10	1	25		18.65	18.75	18.73		
10	1	49		18.54	18.65	18.63		
10	25	0		18.52	18.62	18.60		
10	25	12		18.54	18.61	18.59		
10	25	25		18.60	18.69	18.67		
10	50	0		18.55	18.66	18.64		
Limit	ERP < 3W			Result			Pass	



LTE Band 12 Maximum Average Power [dBm] (GT - LC = 0.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.61	23.66	23.67	21.83	0.1524
5	1	12		23.53	23.60	23.58		
5	1	24		23.63	23.68	23.60		
5	12	0		22.66	22.75	22.73		
5	12	7		22.64	22.71	22.65		
5	12	13		22.58	22.65	22.66		
5	25	0		22.66	22.73	22.64		
5	1	0	16-QAM	23.04	23.07	22.97	21.22	0.1324
5	1	12		22.98	23.00	23.02		
5	1	24		23.04	23.06	23.01		
5	12	0		21.67	21.65	21.61		
5	12	7		21.73	21.67	21.66		
5	12	13		21.76	21.76	21.73		
5	25	0		21.74	21.65	21.59		
5	1	0	64-QAM	21.83	21.92	21.81	20.10	0.1023
5	1	12		21.89	21.85	21.84		
5	1	24		21.95	21.93	21.90		
5	12	0		20.65	20.64	20.60		
5	12	7		20.77	20.74	20.70		
5	12	13		20.77	20.76	20.69		
5	25	0		20.76	20.63	20.60		
5	1	0	256-QAM	18.66	18.64	18.70	16.85	0.0484
5	1	12		18.50	18.62	18.60		
5	1	24		18.50	18.56	18.60		
5	12	0		18.40	18.58	18.47		
5	12	7		18.41	18.50	18.48		
5	12	13		18.46	18.54	18.60		
5	25	0		18.44	18.62	18.60		
Limit	ERP < 3W			Result			Pass	



LTE Band 12 Maximum Average Power [dBm] (GT - LC = 0.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.60	23.66	23.64	21.81	0.1517
3	1	8		23.56	23.62	23.57		
3	1	14		23.63	23.66	23.59		
3	8	0		22.69	22.74	22.71		
3	8	4		22.68	22.68	22.66		
3	8	7		22.57	22.65	22.62		
3	15	0		22.67	22.73	22.62		
3	1	0	16-QAM	23.04	23.05	22.94	21.22	0.1324
3	1	8		23.02	23.03	23.02		
3	1	14		23.07	23.02	23.03		
3	8	0		21.71	21.64	21.62		
3	8	4		21.77	21.64	21.67		
3	8	7		21.79	21.74	21.72		
3	15	0		21.74	21.65	21.59		
3	1	0	64-QAM	21.82	21.92	21.83	20.12	0.1028
3	1	8		21.91	21.88	21.89		
3	1	14		21.97	21.96	21.88		
3	8	0		20.65	20.66	20.61		
3	8	4		20.76	20.69	20.71		
3	8	7		20.76	20.74	20.70		
3	15	0		20.74	20.66	20.62		
3	1	0	256-QAM	18.59	18.65	18.69	16.84	0.0483
3	1	8		18.52	18.63	18.65		
3	1	14		18.45	18.60	18.56		
3	8	0		18.43	18.57	18.55		
3	8	4		18.49	18.53	18.44		
3	8	7		18.56	18.65	18.60		
3	15	0		18.42	18.56	18.52		
Limit	ERP < 3W			Result			Pass	



LTE Band 12 Maximum Average Power [dBm] (GT - LC = 0.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.64	23.63	23.54	21.83	0.1524
1.4	1	3		23.68	23.63	23.55		
1.4	1	5		23.60	23.65	23.55		
1.4	3	0		23.67	23.65	23.62		
1.4	3	1		23.65	23.66	23.58		
1.4	3	3		23.67	23.66	23.60		
1.4	6	0		22.71	22.64	22.62		
1.4	1	0	16-QAM	23.07	22.95	22.91	21.22	0.1324
1.4	1	3		23.05	23.06	23.00		
1.4	1	5		23.06	22.92	22.96		
1.4	3	0		22.81	22.77	22.75		
1.4	3	1		22.84	22.77	22.75		
1.4	3	3		22.79	22.87	22.75		
1.4	6	0		21.76	21.73	21.74		
1.4	1	0	64-QAM	21.89	21.86	21.71	20.04	0.1009
1.4	1	3		21.89	21.88	21.82		
1.4	1	5		21.87	21.85	21.80		
1.4	3	0		21.75	21.71	21.70		
1.4	3	1		21.80	21.81	21.75		
1.4	3	3		21.82	21.75	21.72		
1.4	6	0		20.73	20.66	20.64		
1.4	1	0	256-QAM	18.54	18.72	18.72	16.87	0.0486
1.4	1	3		18.52	18.70	18.69		
1.4	1	5		18.48	18.51	18.49		
1.4	3	0		18.46	18.49	18.53		
1.4	3	1		18.51	18.51	18.44		
1.4	3	3		18.47	18.63	18.54		
1.4	6	0		18.41	18.58	18.49		
Limit	ERP < 3W			Result			Pass	



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LTE Band 13 Maximum Average Power [dBm] (GT - LC = -0.73 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	23.68	-	20.80	0.1202
10	1	25			23.52			
10	1	49			23.66			
10	25	0			22.68			
10	25	12			22.65			
10	25	25			22.66			
10	50	0			22.68			
10	1	0	16-QAM		23.00		20.14	0.1033
10	1	25			22.95			
10	1	49			23.02			
10	25	0			21.72			
10	25	12			21.68			
10	25	25			21.68			
10	50	0			21.73			
10	1	0	64-QAM		21.81		19.02	0.0798
10	1	25			21.88			
10	1	49			21.90			
10	25	0			20.69			
10	25	12			20.66			
10	25	25			20.67			
10	50	0			20.72			
10	1	0	256-QAM		18.61		15.97	0.0395
10	1	25			18.85			
10	1	49			18.75			
10	25	0			18.77			
10	25	12			18.68			
10	25	25			18.68			
10	50	0			18.75			
Limit	ERP < 3W			Result			Pass	



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LTE Band 13 Maximum Average Power [dBm] (GT - LC = -0.73 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.62	23.66	23.64	20.78	0.1197
5	1	12		23.58	23.63	23.63		
5	1	24		23.55	23.55	23.64		
5	12	0		22.56	22.62	22.59		
5	12	7		22.73	22.66	22.61		
5	12	13		22.67	22.63	22.68		
5	25	0		22.69	22.58	22.58		
5	1	0	16-QAM	22.98	23.07	22.95	20.23	0.1054
5	1	12		23.11	23.08	22.99		
5	1	24		22.92	22.90	23.06		
5	12	0		21.62	21.68	21.61		
5	12	7		21.77	21.69	21.67		
5	12	13		21.70	21.67	21.74		
5	25	0		21.71	21.61	21.61		
5	1	0	64-QAM	21.79	21.94	21.87	19.06	0.0805
5	1	12		21.87	21.91	21.86		
5	1	24		21.73	21.77	21.91		
5	12	0		20.61	20.65	20.61		
5	12	7		20.78	20.70	20.62		
5	12	13		20.71	20.68	20.72		
5	25	0		20.73	20.61	20.60		
5	1	0	256-QAM	18.45	18.51	18.38	15.87	0.0386
5	1	12		18.69	18.75	18.63		
5	1	24		18.51	18.65	18.50		
5	12	0		18.61	18.67	18.54		
5	12	7		18.53	18.58	18.55		
5	12	13		18.53	18.58	18.49		
5	25	0		18.56	18.65	18.51		
Limit	ERP < 3W			Result			Pass	



LTE Band 17 Maximum Average Power [dBm] (GT - LC = 0.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.63	23.65	23.62	21.80	0.1514
10	1	25		23.55	23.57	23.59		
10	1	49		23.61	23.61	23.57		
10	25	0		22.65	22.73	22.67		
10	25	12		22.59	22.59	22.61		
10	25	25		22.62	22.72	22.64		
10	50	0		22.61	22.71	22.60		
10	1	0	16-QAM	23.02	23.03	22.92	21.20	0.1318
10	1	25		23.05	22.98	22.95		
10	1	49		22.99	23.03	23.02		
10	25	0		21.62	21.62	21.61		
10	25	12		21.74	21.67	21.65		
10	25	25		21.73	21.71	21.70		
10	50	0		21.70	21.62	21.63		
10	1	0	64-QAM	21.87	21.84	21.73	20.04	0.1009
10	1	25		21.89	21.80	21.82		
10	1	49		21.88	21.85	21.75		
10	25	0		20.59	20.58	20.62		
10	25	12		20.75	20.66	20.62		
10	25	25		20.73	20.72	20.69		
10	50	0		20.72	20.59	20.61		
10	1	0	256-QAM	18.61	18.76	18.78	16.96	0.0497
10	1	25		18.75	18.79	18.81		
10	1	49		18.54	18.65	18.67		
10	25	0		18.57	18.69	18.71		
10	25	12		18.61	18.74	18.76		
10	25	25		18.56	18.69	18.71		
10	50	0		18.57	18.71	18.73		
Limit	ERP < 3W			Result			Pass	



LTE Band 17 Maximum Average Power [dBm] (GT - LC = 0.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.64	23.63	23.63	21.79	0.1510
5	1	12		23.51	23.53	23.52		
5	1	24		23.59	23.62	23.53		
5	12	0		22.55	22.58	22.54		
5	12	7		22.69	22.63	22.58		
5	12	13		22.67	22.70	22.60		
5	25	0		22.66	22.61	22.55		
5	1	0	16-QAM	22.94	22.88	23.01	21.17	0.1309
5	1	12		23.01	22.97	22.96		
5	1	24		22.94	22.94	23.02		
5	12	0		21.58	21.60	21.58		
5	12	7		21.71	21.68	21.59		
5	12	13		21.70	21.71	21.64		
5	25	0		21.67	21.62	21.55		
5	1	0	64-QAM	21.80	21.79	21.80	20.05	0.1012
5	1	12		21.84	21.90	21.77		
5	1	24		21.78	21.76	21.76		
5	12	0		20.59	20.59	20.55		
5	12	7		20.72	20.67	20.61		
5	12	13		20.71	20.69	20.62		
5	25	0		20.64	20.61	20.56		
5	1	0	256-QAM	18.52	18.61	18.73	16.92	0.0492
5	1	12		18.64	18.69	18.77		
5	1	24		18.47	18.55	18.55		
5	12	0		18.46	18.60	18.66		
5	12	7		18.57	18.62	18.67		
5	12	13		18.43	18.66	18.65		
5	25	0		18.45	18.66	18.63		
Limit	ERP < 3W			Result			Pass	



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LTE Band 26 (Part22H) Maximum Average Power [dBm] (GT - LC = -1.97 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	23.58	23.59	23.57	19.47	0.0885
15	1	37		23.57	23.57	23.52		
15	1	74		23.43	23.55	23.53		
15	36	0		22.73	22.76	22.71		
15	36	20		22.71	22.65	22.70		
15	36	39		22.73	22.75	22.71		
15	75	0		22.63	22.69	22.67		
15	1	0	16-QAM	22.78	22.86	22.83	18.89	0.0774
15	1	37		22.92	22.82	22.96		
15	1	74		22.88	23.01	22.83		
15	36	0		21.62	21.69	21.69		
15	36	20		21.74	21.64	21.78		
15	36	39		21.75	21.77	21.74		
15	75	0		21.73	21.68	21.77		
15	1	0	64-QAM	21.63	21.84	21.67	17.81	0.0604
15	1	37		21.85	21.81	21.93		
15	1	74		21.91	21.87	21.74		
15	36	0		20.62	20.67	20.69		
15	36	20		20.76	20.64	20.79		
15	36	39		20.75	20.79	20.73		
15	75	0		20.75	20.71	20.76		
15	1	0	256-QAM	18.59	18.55	18.52	14.49	0.0281
15	1	37		18.39	18.35	18.29		
15	1	74		18.61	18.57	18.52		
15	36	0		18.46	18.42	18.37		
15	36	20		18.36	18.32	18.29		
15	36	39		18.38	18.34	18.26		
15	75	0		18.46	18.42	18.31		
Limit	ERP < 7W			Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG440813B

LTE Band 26 (Part22H) Maximum Average Power [dBm] (GT - LC = -1.97 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.57	23.55	23.54	19.45	0.0881
10	1	25		23.55	23.54	23.57		
10	1	49		23.57	23.54	23.56		
10	25	0		22.67	22.68	22.73		
10	25	12		22.83	22.73	22.73		
10	25	25		22.84	22.78	22.72		
10	50	0		22.79	22.70	22.69		
10	1	0	16-QAM	22.97	23.05	23.15	19.03	0.0800
10	1	25		23.10	23.06	23.02		
10	1	49		23.09	23.00	22.99		
10	25	0		21.69	21.72	21.76		
10	25	12		21.85	21.72	21.73		
10	25	25		21.88	21.80	21.71		
10	50	0		21.81	21.71	21.68		
10	1	0	64-QAM	21.85	21.91	22.02	17.95	0.0624
10	1	25		21.96	22.04	21.96		
10	1	49		22.07	21.96	21.90		
10	25	0		20.67	20.74	20.75		
10	25	12		20.84	20.71	20.69		
10	25	25		20.87	20.75	20.74		
10	50	0		20.82	20.70	20.68		
10	1	0	256-QAM	18.55	18.51	18.40	14.46	0.0279
10	1	25		18.36	18.26	18.18		
10	1	49		18.58	18.49	18.46		
10	25	0		18.41	18.33	18.20		
10	25	12		18.18	18.29	18.25		
10	25	25		18.34	18.20	18.22		
10	50	0		18.40	18.39	18.22		
Limit	ERP < 7W			Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG440813B

LTE Band 26 (Part22H) Maximum Average Power [dBm] (GT - LC = -1.97 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.58	23.57	23.54	19.46	0.0883
5	1	12		23.54	23.50	23.45		
5	1	24		23.37	23.47	23.45		
5	12	0		22.67	22.66	22.62		
5	12	7		22.66	22.55	22.65		
5	12	13		22.68	22.70	22.64		
5	25	0		22.53	22.61	22.61		
5	1	0	16-QAM	22.73	22.78	22.73	18.79	0.0757
5	1	12		22.86	22.75	22.87		
5	1	24		22.82	22.91	22.77		
5	12	0		21.52	21.59	21.59		
5	12	7		21.67	21.59	21.68		
5	12	13		21.67	21.72	21.65		
5	25	0		21.64	21.63	21.68		
5	1	0	64-QAM	21.57	21.75	21.62	17.73	0.0593
5	1	12		21.80	21.75	21.85		
5	1	24		21.85	21.79	21.68		
5	12	0		20.52	20.62	20.61		
5	12	7		20.71	20.58	20.71		
5	12	13		20.70	20.71	20.64		
5	25	0		20.66	20.61	20.71		
5	1	0	256-QAM	18.51	18.44	18.44	14.40	0.0275
5	1	12		18.24	18.22	18.11		
5	1	24		18.50	18.52	18.38		
5	12	0		18.32	18.35	18.23		
5	12	7		18.29	18.24	18.22		
5	12	13		18.33	18.27	18.19		
5	25	0		18.34	18.38	18.26		
Limit	ERP < 7W			Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG440813B

LTE Band 26 (Part22H) Maximum Average Power [dBm] (GT - LC = -1.97 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.57	23.59	23.56	19.47	0.0885
3	1	8		23.50	23.49	23.44		
3	1	14		23.35	23.48	23.48		
3	8	0		22.67	22.69	22.63		
3	8	4		22.66	22.59	22.65		
3	8	7		22.65	22.69	22.63		
3	15	0		22.57	22.62	22.57		
3	1	0	16-QAM	22.71	22.76	22.76	18.79	0.0757
3	1	8		22.82	22.73	22.90		
3	1	14		22.82	22.91	22.76		
3	8	0		21.53	21.59	21.60		
3	8	4		21.67	21.58	21.73		
3	8	7		21.67	21.72	21.66		
3	15	0		21.63	21.59	21.71		
3	1	0	64-QAM	21.58	21.78	21.58	17.74	0.0594
3	1	8		21.78	21.72	21.86		
3	1	14		21.84	21.81	21.66		
3	8	0		20.52	20.60	20.59		
3	8	4		20.70	20.56	20.69		
3	8	7		20.70	20.74	20.66		
3	15	0		20.66	20.66	20.70		
3	1	0	256-QAM	18.51	18.38	18.40	14.39	0.0275
3	1	8		18.34	18.30	18.12		
3	1	14		18.46	18.45	18.47		
3	8	0		18.30	18.34	18.30		
3	8	4		18.27	18.23	18.14		
3	8	7		18.34	18.31	18.08		
3	15	0		18.38	18.30	18.25		
Limit	ERP < 7W			Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG440813B

LTE Band 26 (Part22H) Maximum Average Power [dBm] (GT - LC = -1.97 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.51	23.53	23.52	19.46	0.0883
1.4	1	3		23.52	23.52	23.50		
1.4	1	5		23.55	23.57	23.52		
1.4	3	0		23.58	23.50	23.54		
1.4	3	1		23.57	23.57	23.50		
1.4	3	3		23.55	23.57	23.53		
1.4	6	0		22.63	22.57	22.65		
1.4	1	0	16-QAM	22.90	22.89	23.03	18.92	0.0780
1.4	1	3		22.90	22.97	23.04		
1.4	1	5		22.93	22.90	23.03		
1.4	3	0		22.73	22.72	22.79		
1.4	3	1		22.75	22.73	22.79		
1.4	3	3		22.76	22.81	22.77		
1.4	6	0		21.67	21.63	21.74		
1.4	1	0	64-QAM	21.83	21.79	21.80	17.78	0.0600
1.4	1	3		21.76	21.85	21.90		
1.4	1	5		21.79	21.82	21.76		
1.4	3	0		21.68	21.69	21.73		
1.4	3	1		21.71	21.66	21.70		
1.4	3	3		21.73	21.76	21.79		
1.4	6	0		20.67	20.64	20.64		
1.4	1	0	256-QAM	18.46	18.45	18.46	14.38	0.0274
1.4	1	3		18.35	18.23	18.20		
1.4	1	5		18.49	18.50	18.48		
1.4	3	0		18.42	18.29	18.25		
1.4	3	1		18.22	18.23	18.12		
1.4	3	3		18.22	18.31	18.10		
1.4	6	0		18.32	18.27	18.25		
Limit	ERP < 7W			Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG440813B

LTE Band 38 Maximum Average Power [dBm] (GT - LC = 0.95 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.49	23.39	23.38	24.44	0.2780
20	1	49		23.42	23.46	23.41		
20	1	99		23.44	23.44	23.39		
20	50	0		22.59	22.56	22.55		
20	50	24		22.48	22.52	22.49		
20	50	50		22.58	22.49	22.48		
20	100	0		22.57	22.53	22.48		
20	1	0	16-QAM	22.47	22.52	22.47	23.50	0.2239
20	1	49		22.51	22.55	22.43		
20	1	99		22.43	22.47	22.40		
20	50	0		21.51	21.54	21.50		
20	50	24		21.58	21.54	21.50		
20	50	50		21.61	21.60	21.57		
20	100	0		21.58	21.53	21.51		
20	1	0	64-QAM	21.30	21.46	21.38	22.44	0.1754
20	1	49		21.43	21.48	21.34		
20	1	99		21.36	21.49	21.43		
20	50	0		20.49	20.52	20.52		
20	50	24		20.62	20.54	20.53		
20	50	50		20.60	20.63	20.59		
20	100	0		20.58	20.52	20.52		
20	1	0	256-QAM	18.16	18.16	18.20	19.28	0.0847
20	1	49		18.11	18.20	18.06		
20	1	99		18.08	18.24	18.07		
20	50	0		18.10	18.21	18.27		
20	50	24		18.07	18.24	18.14		
20	50	50		18.30	18.25	18.33		
20	100	0		18.11	18.26	18.21		
Limit	EIRP < 2W			Result			Pass	



LTE Band 38 Maximum Average Power [dBm] (GT - LC = 0.95 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.39	23.31	23.31	24.34	0.2716
15	1	37		23.35	23.39	23.36		
15	1	74		23.37	23.38	23.34		
15	36	0		22.49	22.50	22.47		
15	36	20		22.42	22.47	22.40		
15	36	39		22.53	22.42	22.38		
15	75	0		22.50	22.44	22.40		
15	1	0	16-QAM	22.42	22.42	22.37	23.44	0.2208
15	1	37		22.44	22.49	22.33		
15	1	74		22.37	22.41	22.33		
15	36	0		21.42	21.47	21.45		
15	36	20		21.48	21.45	21.44		
15	36	39		21.54	21.55	21.47		
15	75	0		21.53	21.45	21.41		
15	1	0	64-QAM	21.23	21.36	21.30	22.38	0.1730
15	1	37		21.34	21.43	21.25		
15	1	74		21.31	21.41	21.33		
15	36	0		20.43	20.42	20.43		
15	36	20		20.57	20.48	20.46		
15	36	39		20.55	20.56	20.52		
15	75	0		20.49	20.43	20.47		
15	1	0	256-QAM	18.01	18.03	18.06	19.14	0.0820
15	1	37		18.05	18.12	18.10		
15	1	74		18.04	18.15	18.12		
15	36	0		18.13	18.04	18.19		
15	36	20		18.04	18.11	18.02		
15	36	39		18.18	18.16	18.15		
15	75	0		18.14	18.12	18.04		
Limit	EIRP < 2W			Result			Pass	



LTE Band 38 Maximum Average Power [dBm] (GT - LC = 0.95 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.41	23.29	23.33	24.36	0.2729
10	1	25		23.35	23.39	23.33		
10	1	49		23.35	23.36	23.33		
10	25	0		22.51	22.49	22.46		
10	25	12		22.39	22.44	22.43		
10	25	25		22.49	22.42	22.39		
10	50	0		22.49	22.45	22.39		
10	1	0	16-QAM	22.37	22.43	22.39	23.45	0.2213
10	1	25		22.44	22.50	22.38		
10	1	49		22.35	22.41	22.30		
10	25	0		21.44	21.46	21.40		
10	25	12		21.51	21.47	21.41		
10	25	25		21.56	21.52	21.52		
10	50	0		21.50	21.47	21.46		
10	1	0	64-QAM	21.21	21.38	21.28	22.37	0.1726
10	1	25		21.35	21.42	21.26		
10	1	49		21.29	21.40	21.34		
10	25	0		20.39	20.44	20.47		
10	25	12		20.52	20.45	20.46		
10	25	25		20.53	20.58	20.51		
10	50	0		20.50	20.44	20.45		
10	1	0	256-QAM	18.02	18.01	18.12	19.14	0.0820
10	1	25		18.19	18.02	18.01		
10	1	49		18.02	18.16	18.08		
10	25	0		18.14	18.06	18.12		
10	25	12		18.14	18.13	18.03		
10	25	25		18.12	18.17	18.15		
10	50	0		18.02	18.09	18.08		
Limit	EIRP < 2W			Result			Pass	



LTE Band 38 Maximum Average Power [dBm] (GT - LC = 0.95 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.44	23.29	23.29	24.39	0.2748
5	1	12		23.35	23.39	23.31		
5	1	24		23.34	23.37	23.34		
5	12	0		22.50	22.49	22.47		
5	12	7		22.40	22.47	22.43		
5	12	13		22.49	22.40	22.41		
5	25	0		22.47	22.48	22.42		
5	1	0	16-QAM	22.38	22.43	22.41	23.40	0.2188
5	1	12		22.41	22.45	22.35		
5	1	24		22.37	22.41	22.32		
5	12	0		21.41	21.48	21.45		
5	12	7		21.48	21.45	21.40		
5	12	13		21.51	21.50	21.47		
5	25	0		21.51	21.46	21.41		
5	1	0	64-QAM	21.20	21.40	21.31	22.36	0.1722
5	1	12		21.36	21.41	21.29		
5	1	24		21.28	21.40	21.37		
5	12	0		20.39	20.44	20.47		
5	12	7		20.53	20.49	20.46		
5	12	13		20.51	20.58	20.54		
5	25	0		20.48	20.47	20.47		
5	1	0	256-QAM	18.18	18.01	18.03	19.15	0.0822
5	1	12		18.02	18.04	18.16		
5	1	24		18.12	18.15	18.12		
5	12	0		18.15	18.06	18.09		
5	12	7		18.05	18.10	18.03		
5	12	13		18.15	18.09	18.20		
5	25	0		18.00	18.18	18.07		
Limit	EIRP < 2W			Result			Pass	



LTE Band 41 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	23.44	23.40	23.20	24.96	0.3133
20	1	49		23.43	23.29	23.13		
20	1	99		23.42	23.32	23.12		
20	50	0		22.55	22.44	22.19		
20	50	24		22.48	22.34	22.15		
20	50	50		22.52	22.44	22.17		
20	100	0		22.54	22.41	22.16		
20	1	0	16-QAM	22.48	22.34	22.23	24.09	0.2564
20	1	49		22.57	22.32	22.20		
20	1	99		22.47	22.39	22.23		
20	50	0		21.50	21.33	21.15		
20	50	24		21.55	21.44	21.16		
20	50	50		21.56	21.42	21.17		
20	100	0		21.56	21.43	21.20		
20	1	0	64-QAM	21.36	21.30	21.22	23.01	0.2000
20	1	49		21.49	21.24	21.01		
20	1	99		21.38	21.28	21.04		
20	50	0		20.49	20.33	20.16		
20	50	24		20.59	20.42	20.10		
20	50	50		20.55	20.44	20.14		
20	100	0		20.57	20.42	20.21		
20	1	0	256-QAM	18.34	18.21	18.27	20.02	0.1005
20	1	49		18.42	18.29	18.33		
20	1	99		18.50	18.37	18.49		
20	50	0		18.44	18.31	18.37		
20	50	24		18.45	18.32	18.39		
20	50	50		18.50	18.37	18.47		
20	100	0		18.43	18.30	18.39		
Limit	EIRP < 2W			Result			Pass	



LTE Band 41 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	23.34	23.30	23.17	24.88	0.3076
15	1	37		23.36	23.21	23.11		
15	1	74		23.32	23.27	23.08		
15	36	0		22.50	22.34	22.17		
15	36	20		22.43	22.24	22.12		
15	36	39		22.45	22.37	22.16		
15	75	0		22.49	22.34	22.15		
15	1	0	16-QAM	22.40	22.24	22.18	24.01	0.2518
15	1	37		22.49	22.24	22.18		
15	1	74		22.41	22.33	22.17		
15	36	0		21.41	21.23	21.11		
15	36	20		21.47	21.37	21.11		
15	36	39		21.48	21.33	21.14		
15	75	0		21.48	21.37	21.15		
15	1	0	64-QAM	21.26	21.23	21.17	22.94	0.1968
15	1	37		21.42	21.15	21.00		
15	1	74		21.32	21.21	21.09		
15	36	0		20.44	20.24	20.11		
15	36	20		20.50	20.36	20.05		
15	36	39		20.47	20.38	20.08		
15	75	0		20.52	20.35	20.20		
15	1	0	256-QAM	18.24	18.07	18.17	19.96	0.0991
15	1	37		18.27	18.23	18.22		
15	1	74		18.43	18.30	18.38		
15	36	0		18.39	18.23	18.28		
15	36	20		18.42	18.27	18.28		
15	36	39		18.44	18.33	18.39		
15	75	0		18.40	18.19	18.33		
Limit	EIRP < 2W			Result			Pass	



LTE Band 41 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	23.38	23.35	23.18	24.90	0.3090
10	1	25		23.38	23.21	23.10		
10	1	49		23.37	23.26	23.08		
10	25	0		22.46	22.39	22.16		
10	25	12		22.40	22.28	22.11		
10	25	25		22.42	22.37	22.11		
10	50	0		22.46	22.35	22.10		
10	1	0	16-QAM	22.40	22.27	22.19	24.04	0.2535
10	1	25		22.52	22.27	22.18		
10	1	49		22.40	22.30	22.20		
10	25	0		21.41	21.23	21.10		
10	25	12		21.50	21.36	21.12		
10	25	25		21.46	21.37	21.12		
10	50	0		21.47	21.34	21.18		
10	1	0	64-QAM	21.29	21.20	21.17	22.93	0.1963
10	1	25		21.41	21.18	21.05		
10	1	49		21.30	21.19	21.09		
10	25	0		20.42	20.28	20.10		
10	25	12		20.54	20.33	20.05		
10	25	25		20.45	20.38	20.11		
10	50	0		20.51	20.37	20.19		
10	1	0	256-QAM	18.30	18.18	18.16	19.92	0.0982
10	1	25		18.35	18.24	18.29		
10	1	49		18.38	18.29	18.35		
10	25	0		18.40	18.17	18.24		
10	25	12		18.33	18.18	18.34		
10	25	25		18.40	18.29	18.36		
10	50	0		18.39	18.21	18.31		
Limit	EIRP < 2W			Result			Pass	



LTE Band 41 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	23.34	23.35	23.16	24.87	0.3069
5	1	12		23.35	23.23	23.12		
5	1	24		23.35	23.24	23.09		
5	12	0		22.49	22.37	22.15		
5	12	7		22.39	22.24	22.14		
5	12	13		22.43	22.39	22.15		
5	25	0		22.47	22.35	22.14		
5	1	0	16-QAM	22.39	22.28	22.20	24.04	0.2535
5	1	12		22.52	22.24	22.14		
5	1	24		22.42	22.33	22.17		
5	12	0		21.45	21.25	21.14		
5	12	7		21.48	21.37	21.13		
5	12	13		21.49	21.35	21.12		
5	25	0		21.48	21.37	21.17		
5	1	0	64-QAM	21.31	21.24	21.17	22.95	0.1972
5	1	12		21.43	21.19	21.08		
5	1	24		21.28	21.19	21.02		
5	12	0		20.42	20.28	20.15		
5	12	7		20.52	20.32	20.05		
5	12	13		20.49	20.34	20.12		
5	25	0		20.50	20.34	20.16		
5	1	0	256-QAM	18.30	18.14	18.16	19.98	0.0995
5	1	12		18.37	18.15	18.28		
5	1	24		18.40	18.26	18.43		
5	12	0		18.37	18.16	18.33		
5	12	7		18.34	18.17	18.33		
5	12	13		18.46	18.27	18.36		
5	25	0		18.28	18.24	18.25		
Limit	EIRP < 2W			Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG440813B

LTE Band 41(HPUE) 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	25.33	25.28	25.16	26.85	0.4842
20	1	49		25.31	25.20	25.12		
20	1	99		25.27	25.23	25.10		
20	50	0		24.47	24.23	24.17		
20	50	24		24.37	24.35	24.14		
20	50	50		24.44	24.32	24.16		
20	100	0		24.42	24.31	24.21		
20	1	0	16-QAM	24.71	24.57	24.44	26.27	0.4236
20	1	49		24.75	24.64	24.59		
20	1	99		24.67	24.61	24.47		
20	50	0		23.40	23.28	23.15		
20	50	24		23.49	23.37	23.12		
20	50	50		23.49	23.39	23.17		
20	100	0		23.50	23.34	23.25		
20	1	0	64-QAM	23.61	23.47	23.34	25.13	0.3258
20	1	49		23.58	23.44	23.26		
20	1	99		23.41	23.45	23.18		
20	50	0		22.43	22.27	22.21		
20	50	24		22.50	22.37	22.12		
20	50	50		22.47	22.38	22.16		
20	100	0		22.50	22.36	22.18		
20	1	0	256-QAM	20.26	20.16	20.17	21.95	0.1567
20	1	49		20.36	20.23	20.25		
20	1	99		20.41	20.28	20.43		
20	50	0		20.35	20.22	20.30		
20	50	24		20.35	20.26	20.30		
20	50	50		20.41	20.31	20.41		
20	100	0		20.38	20.23	20.31		
Limit	EIRP < 2W			Result			Pass	



LTE Band 41(HPUE) 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	25.26	25.24	25.07	26.79	0.4775
15	1	37		25.27	25.13	25.03		
15	1	74		25.23	25.16	25.07		
15	36	0		24.41	24.19	24.13		
15	36	20		24.33	24.31	24.10		
15	36	39		24.39	24.24	24.14		
15	75	0		24.39	24.28	24.07		
15	1	0	16-QAM	24.67	24.50	24.43	26.19	0.4159
15	1	37		24.67	24.56	24.26		
15	1	74		24.62	24.58	24.32		
15	36	0		23.33	23.24	23.14		
15	36	20		23.45	23.29	23.12		
15	36	39		23.41	23.35	23.15		
15	75	0		23.42	23.26	23.06		
15	1	0	64-QAM	23.54	23.40	23.35	25.06	0.3206
15	1	37		23.54	23.39	23.14		
15	1	74		23.34	23.38	23.30		
15	36	0		22.37	22.24	22.10		
15	36	20		22.44	22.31	22.03		
15	36	39		22.44	22.34	22.09		
15	75	0		22.46	22.30	22.06		
15	1	0	256-QAM	20.25	20.12	20.18	21.95	0.1567
15	1	37		20.37	20.22	20.27		
15	1	74		20.41	20.30	20.39		
15	36	0		20.36	20.22	20.31		
15	36	20		20.36	20.23	20.34		
15	36	39		20.43	20.32	20.42		
15	75	0		20.34	20.23	20.30		
Limit	EIRP < 2W			Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG440813B

LTE Band 41(HPUE) 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	25.28	25.20	25.09	26.80	0.4786
10	1	25		25.28	25.16	25.08		
10	1	49		25.22	25.19	25.06		
10	25	0		24.42	24.20	24.07		
10	25	12		24.33	24.28	24.09		
10	25	25		24.38	24.25	24.10		
10	50	0		24.39	24.25	24.04		
10	1	0	16-QAM	24.65	24.52	24.42	26.24	0.4207
10	1	25		24.72	24.56	24.43		
10	1	49		24.59	24.55	24.52		
10	25	0		23.34	23.22	23.10		
10	25	12		23.45	23.32	23.13		
10	25	25		23.44	23.31	23.17		
10	50	0		23.47	23.28	23.10		
10	1	0	64-QAM	23.53	23.44	23.38	25.05	0.3199
10	1	25		23.50	23.37	23.39		
10	1	49		23.37	23.41	23.29		
10	25	0		22.36	22.24	22.13		
10	25	12		22.47	22.31	22.13		
10	25	25		22.39	22.31	22.12		
10	50	0		22.44	22.31	22.11		
10	1	0	256-QAM	20.25	20.11	20.17	21.97	0.1574
10	1	25		20.32	20.22	20.27		
10	1	49		20.44	20.32	20.41		
10	25	0		20.34	20.21	20.32		
10	25	12		20.35	20.23	20.32		
10	25	25		20.45	20.30	20.38		
10	50	0		20.35	20.23	20.33		
Limit	EIRP < 2W			Result			Pass	



LTE Band 41(HPUE) 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	25.29	25.20	25.12	26.81	0.4797
5	1	12		25.28	25.14	25.08		
5	1	24		25.23	25.20	25.06		
5	12	0		24.39	24.20	24.17		
5	12	7		24.30	24.30	24.08		
5	12	13		24.41	24.27	24.12		
5	25	0		24.35	24.25	24.10		
5	1	0	16-QAM	24.67	24.51	24.41	26.19	0.4159
5	1	12		24.67	24.58	24.46		
5	1	24		24.61	24.53	24.46		
5	12	0		23.36	23.23	23.08		
5	12	7		23.46	23.32	23.17		
5	12	13		23.46	23.36	23.16		
5	25	0		23.42	23.27	23.13		
5	1	0	64-QAM	23.53	23.41	23.35	25.05	0.3199
5	1	12		23.52	23.40	23.36		
5	1	24		23.35	23.38	23.28		
5	12	0		22.39	22.19	22.08		
5	12	7		22.42	22.33	22.20		
5	12	13		22.40	22.33	22.17		
5	25	0		22.45	22.28	22.14		
5	1	0	256-QAM	20.26	20.12	20.18	21.93	0.1560
5	1	12		20.35	20.23	20.25		
5	1	24		20.41	20.29	20.40		
5	12	0		20.38	20.22	20.29		
5	12	7		20.36	20.22	20.32		
5	12	13		20.41	20.29	20.41		
5	25	0		20.33	20.20	20.29		
Limit	EIRP < 2W			Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG440813B

LTE Band 30 Maximum Average Power [dBm] (GT - LC = 0.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	-	21.64	-	22.51	0.1782
10	1	25			21.58			
10	1	49			21.51			
10	25	0			20.59			
10	25	12			20.57			
10	25	25			20.56			
10	50	0			20.56			
10	1	0	16-QAM		21.03		21.91	0.1552
10	1	25			21.04			
10	1	49			20.95			
10	25	0			19.59			
10	25	12			19.60			
10	25	25			19.53			
10	50	0			19.58			
10	1	0	64-QAM		19.84		20.71	0.1178
10	1	25			19.80			
10	1	49			19.79			
10	25	0			18.57			
10	25	12			18.59			
10	25	25			18.54			
10	50	0			18.58			
10	1	0	256-QAM		16.29		17.20	0.0525
10	1	25			16.28			
10	1	49			16.30			
10	25	0			16.21			
10	25	12			16.30			
10	25	25			16.33			
10	50	0			16.23			
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 = 0.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	21.60	21.63	21.62	22.50	0.1778
5	1	12		21.57	21.58	21.59		
5	1	24		21.57	21.57	21.50		
5	12	0		20.55	20.59	20.63		
5	12	7		20.66	20.61	20.63		
5	12	13		20.64	20.57	20.59		
5	25	0		20.61	20.56	20.62		
5	1	0	16-QAM	20.97	20.91	21.04	21.91	0.1552
5	1	12		20.99	21.03	21.02		
5	1	24		20.92	20.82	20.93		
5	12	0		19.56	19.62	19.66		
5	12	7		19.73	19.62	19.67		
5	12	13		19.66	19.60	19.69		
5	25	0		19.66	19.60	19.64		
5	1	0	64-QAM	19.76	19.81	19.82	20.81	0.1205
5	1	12		19.84	19.85	19.94		
5	1	24		19.82	19.84	19.77		
5	12	0		18.54	18.62	18.67		
5	12	7		18.72	18.59	18.70		
5	12	13		18.68	18.56	18.63		
5	25	0		18.63	18.58	18.64		
5	1	0	256-QAM	16.26	16.21	16.25	17.17	0.0521
5	1	12		16.23	16.21	16.25		
5	1	24		16.19	16.22	16.21		
5	12	0		16.15	16.10	16.14		
5	12	7		16.27	16.26	16.19		
5	12	13		16.25	16.30	16.25		
5	25	0		16.19	16.14	16.15		
Limit	EIRP < 250mW/5MHz			Result			Pass	

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



FCC RADIO TEST REPORT

Report No. : FG440813B

LTE Band 66 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	23.62	23.68	23.60	25.67	0.3690
20	1	49		23.56	23.65	23.54		
20	1	99		23.61	23.58	23.42		
20	50	0		22.66	22.67	22.61		
20	50	24		22.60	22.63	22.57		
20	50	50		22.63	22.65	22.58		
20	100	0		22.62	22.65	22.63		
20	1	0	16-QAM	22.98	23.11	22.90	25.10	0.3236
20	1	49		22.98	22.95	22.85		
20	1	99		22.90	22.88	22.67		
20	50	0		21.63	21.69	21.63		
20	50	24		21.69	21.66	21.58		
20	50	50		21.66	21.68	21.61		
20	100	0		21.68	21.64	21.68		
20	1	0	64-QAM	21.86	21.88	21.82	23.87	0.2438
20	1	49		21.81	21.82	21.83		
20	1	99		21.78	21.81	21.68		
20	50	0		20.62	20.68	20.63		
20	50	24		20.69	20.66	20.58		
20	50	50		20.64	20.67	20.62		
20	100	0		20.67	20.64	20.65		
20	1	0	256-QAM	18.33	18.40	18.41	20.52	0.1127
20	1	49		18.40	18.44	18.45		
20	1	99		18.49	18.52	18.53		
20	50	0		18.21	18.27	18.28		
20	50	24		18.31	18.36	18.37		
20	50	50		18.34	18.42	18.43		
20	100	0		18.24	18.28	18.29		
Limit	EIRP < 1W			Result			Pass	



LTE Band 66 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	23.53	23.63	23.50	25.62	0.3648
15	1	37		23.47	23.60	23.47		
15	1	74		23.55	23.53	23.35		
15	36	0		22.60	22.59	22.52		
15	36	20		22.52	22.54	22.49		
15	36	39		22.57	22.55	22.48		
15	75	0		22.54	22.60	22.58		
15	1	0	16-QAM	22.91	23.03	22.83	25.02	0.3177
15	1	37		22.91	22.90	22.75		
15	1	74		22.81	22.79	22.59		
15	36	0		21.55	21.60	21.58		
15	36	20		21.60	21.61	21.52		
15	36	39		21.57	21.60	21.51		
15	75	0		21.58	21.59	21.62		
15	1	0	64-QAM	21.78	21.79	21.77	23.78	0.2388
15	1	37		21.73	21.72	21.73		
15	1	74		21.68	21.72	21.60		
15	36	0		20.52	20.58	20.55		
15	36	20		20.61	20.59	20.50		
15	36	39		20.58	20.62	20.54		
15	75	0		20.62	20.59	20.57		
15	1	0	256-QAM	18.30	18.25	18.29	20.47	0.1114
15	1	37		18.25	18.31	18.40		
15	1	74		18.40	18.37	18.48		
15	36	0		18.14	18.17	18.24		
15	36	20		18.20	18.22	18.31		
15	36	39		18.24	18.33	18.31		
15	75	0		18.21	18.16	18.21		
Limit	EIRP < 1W			Result			Pass	



LTE Band 66 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	23.56	23.60	23.54	25.59	0.3622
10	1	25		23.46	23.55	23.49		
10	1	49		23.54	23.48	23.34		
10	25	0		22.60	22.60	22.56		
10	25	12		22.53	22.53	22.52		
10	25	25		22.55	22.55	22.50		
10	50	0		22.52	22.56	22.54		
10	1	0	16-QAM	22.93	23.05	22.81	25.04	0.3192
10	1	25		22.93	22.87	22.78		
10	1	49		22.81	22.79	22.60		
10	25	0		21.56	21.64	21.57		
10	25	12		21.60	21.57	21.49		
10	25	25		21.60	21.59	21.51		
10	50	0		21.58	21.57	21.59		
10	1	0	64-QAM	21.76	21.78	21.73	23.77	0.2382
10	1	25		21.72	21.75	21.78		
10	1	49		21.73	21.75	21.61		
10	25	0		20.56	20.62	20.58		
10	25	12		20.62	20.60	20.50		
10	25	25		20.56	20.62	20.54		
10	50	0		20.57	20.58	20.58		
10	1	0	256-QAM	18.26	18.37	18.38	20.44	0.1107
10	1	25		18.25	18.35	18.37		
10	1	49		18.39	18.40	18.45		
10	25	0		18.06	18.22	18.24		
10	25	12		18.22	18.30	18.24		
10	25	25		18.25	18.28	18.29		
10	50	0		18.16	18.20	18.21		
Limit	EIRP < 1W			Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG440813B

LTE Band 66 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	23.55	23.58	23.53	25.57	0.3606
5	1	12		23.49	23.56	23.45		
5	1	24		23.51	23.52	23.35		
5	12	0		22.61	22.61	22.51		
5	12	7		22.51	22.57	22.49		
5	12	13		22.55	22.58	22.52		
5	25	0		22.57	22.60	22.54		
5	1	0	16-QAM	22.93	23.04	22.82	25.03	0.3184
5	1	12		22.89	22.88	22.75		
5	1	24		22.85	22.80	22.61		
5	12	0		21.55	21.64	21.57		
5	12	7		21.59	21.58	21.49		
5	12	13		21.58	21.62	21.54		
5	25	0		21.58	21.54	21.63		
5	1	0	64-QAM	21.77	21.83	21.72	23.82	0.2410
5	1	12		21.76	21.77	21.74		
5	1	24		21.70	21.71	21.62		
5	12	0		20.54	20.59	20.53		
5	12	7		20.64	20.60	20.51		
5	12	13		20.56	20.58	20.54		
5	25	0		20.59	20.59	20.55		
5	1	0	256-QAM	18.23	18.35	18.37	20.41	0.1099
5	1	12		18.32	18.35	18.32		
5	1	24		18.42	18.37	18.39		
5	12	0		18.12	18.15	18.22		
5	12	7		18.26	18.23	18.32		
5	12	13		18.23	18.28	18.38		
5	25	0		18.16	18.17	18.20		
Limit	EIRP < 1W			Result			Pass	



LTE Band 66 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	23.50	23.52	23.48	25.51	0.3556
3	1	8		23.39	23.50	23.39		
3	1	14		23.44	23.47	23.30		
3	8	0		22.53	22.52	22.41		
3	8	4		22.45	22.49	22.44		
3	8	7		22.45	22.48	22.46		
3	15	0		22.52	22.55	22.44		
3	1	0	16-QAM	22.87	22.97	22.72	24.96	0.3133
3	1	8		22.79	22.79	22.65		
3	1	14		22.78	22.71	22.54		
3	8	0		21.49	21.57	21.49		
3	8	4		21.50	21.51	21.44		
3	8	7		21.49	21.56	21.45		
3	15	0		21.51	21.48	21.58		
3	1	0	64-QAM	21.69	21.75	21.64	23.74	0.2366
3	1	8		21.67	21.69	21.69		
3	1	14		21.64	21.61	21.52		
3	8	0		20.44	20.49	20.45		
3	8	4		20.54	20.52	20.42		
3	8	7		20.47	20.53	20.45		
3	15	0		20.50	20.49	20.47		
3	1	0	256-QAM	18.23	18.28	18.30	20.47	0.1114
3	1	8		18.36	18.33	18.39		
3	1	14		18.44	18.48	18.47		
3	8	0		18.15	18.14	18.19		
3	8	4		18.26	18.28	18.33		
3	8	7		18.30	18.30	18.29		
3	15	0		18.17	18.14	18.18		
Limit	EIRP < 1W			Result			Pass	



LTE Band 66 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	23.45	23.51	23.41	25.54	0.3581
1.4	1	3		23.46	23.55	23.46		
1.4	1	5		23.42	23.47	23.40		
1.4	3	0		23.47	23.55	23.45		
1.4	3	1		23.47	23.55	23.46		
1.4	3	3		23.50	23.54	23.48		
1.4	6	0		22.47	22.58	22.51		
1.4	1	0	16-QAM	22.91	23.04	22.98	25.03	0.3184
1.4	1	3		22.93	22.97	22.97		
1.4	1	5		22.84	22.91	22.82		
1.4	3	0		22.66	22.75	22.67		
1.4	3	1		22.64	22.69	22.66		
1.4	3	3		22.63	22.69	22.68		
1.4	6	0		21.55	21.65	21.58		
1.4	1	0	64-QAM	21.71	21.69	21.62	23.91	0.2460
1.4	1	3		21.79	21.92	21.74		
1.4	1	5		21.69	21.70	21.64		
1.4	3	0		21.63	21.68	21.62		
1.4	3	1		21.65	21.67	21.68		
1.4	3	3		21.65	21.69	21.62		
1.4	6	0		20.54	20.60	20.59		
1.4	1	0	256-QAM	18.21	18.32	18.27	20.45	0.1109
1.4	1	3		18.29	18.36	18.36		
1.4	1	5		18.41	18.46	18.39		
1.4	3	0		18.14	18.19	18.22		
1.4	3	1		18.22	18.24	18.28		
1.4	3	3		18.29	18.36	18.32		
1.4	6	0		18.21	18.20	18.16		
Limit	EIRP < 1W			Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG440813B

LTE Band 71 Maximum Average Power [dBm] (GT - LC = -0.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
20	1	0	QPSK	23.69	23.86	23.67	21.61	0.1449
20	1	49		23.60	23.77	23.54		
20	1	99		23.55	23.76	23.43		
20	50	0		22.87	22.93	22.62		
20	50	24		22.82	22.79	22.58		
20	50	50		22.82	22.81	22.59		
20	100	0		22.83	22.95	22.63		
20	1	0	16-QAM	23.13	23.23	22.91	21.02	0.1265
20	1	49		23.27	23.08	23.08		
20	1	99		23.02	23.06	22.78		
20	50	0		21.94	21.91	21.62		
20	50	24		21.98	21.80	21.62		
20	50	50		21.89	21.81	21.63		
20	100	0		21.98	21.79	21.66		
20	1	0	64-QAM	22.14	22.04	21.83	19.89	0.0975
20	1	49		22.10	22.00	21.72		
20	1	99		21.89	21.98	21.64		
20	50	0		20.92	20.88	20.61		
20	50	24		20.98	20.81	20.60		
20	50	50		20.90	20.78	20.64		
20	100	0		20.97	20.83	20.66		
20	1	0	256-QAM	18.93	18.80	18.82	16.68	0.0466
20	1	49		18.84	18.71	18.69		
20	1	99		18.93	18.80	18.77		
20	50	0		18.75	18.62	18.59		
20	50	24		18.78	18.65	18.65		
20	50	50		18.74	18.61	18.54		
20	100	0		18.76	18.63	18.58		
Limit	ERP < 3W			Result			Pass	



LTE Band 71 Maximum Average Power [dBm] (GT - LC = -0.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	23.63	23.79	23.59	21.54	0.1426
15	1	37		23.50	23.69	23.44		
15	1	74		23.49	23.68	23.34		
15	36	0		22.81	22.86	22.54		
15	36	20		22.74	22.70	22.52		
15	36	39		22.72	22.75	22.53		
15	75	0		22.75	22.89	22.53		
15	1	0	16-QAM	23.07	23.17	22.82	20.93	0.1239
15	1	37		23.18	23.01	23.01		
15	1	74		22.93	22.97	22.73		
15	36	0		21.84	21.82	21.57		
15	36	20		21.91	21.73	21.53		
15	36	39		21.83	21.75	21.54		
15	75	0		21.91	21.74	21.60		
15	1	0	64-QAM	22.09	21.94	21.75	19.84	0.0964
15	1	37		22.05	21.91	21.67		
15	1	74		21.84	21.89	21.54		
15	36	0		20.86	20.81	20.54		
15	36	20		20.88	20.75	20.50		
15	36	39		20.83	20.71	20.56		
15	75	0		20.88	20.76	20.58		
15	1	0	256-QAM	18.79	18.75	18.74	16.54	0.0451
15	1	37		18.69	18.63	18.61		
15	1	74		18.76	18.65	18.67		
15	36	0		18.65	18.44	18.42		
15	36	20		18.67	18.61	18.56		
15	36	39		18.64	18.58	18.51		
15	75	0		18.69	18.52	18.53		
Limit	ERP < 3W			Result			Pass	



LTE Band 71 Maximum Average Power [dBm] (GT - LC = -0.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.67	23.84	23.81	21.59	0.1442
10	1	25		23.63	23.81	23.79		
10	1	49		23.67	23.73	23.62		
10	25	0		22.64	22.89	22.82		
10	25	12		22.73	22.87	22.80		
10	25	25		22.72	22.87	22.79		
10	50	0		22.82	22.85	22.78		
10	1	0	16-QAM	23.30	23.30	23.27	21.05	0.1274
10	1	25		23.21	23.17	23.17		
10	1	49		23.18	23.11	23.01		
10	25	0		21.91	21.94	21.82		
10	25	12		21.94	21.87	21.83		
10	25	25		21.93	21.88	21.80		
10	50	0		21.98	21.87	21.79		
10	1	0	64-QAM	22.25	22.17	22.03	20.00	0.1000
10	1	25		22.09	22.07	22.05		
10	1	49		22.05	22.00	21.87		
10	25	0		20.94	20.90	20.83		
10	25	12		20.95	20.87	20.83		
10	25	25		20.94	20.87	20.82		
10	50	0		20.98	20.83	20.78		
10	1	0	256-QAM	18.80	18.64	18.75	16.55	0.0452
10	1	25		18.73	18.56	18.56		
10	1	49		18.79	18.70	18.62		
10	25	0		18.65	18.44	18.48		
10	25	12		18.73	18.52	18.51		
10	25	25		18.58	18.45	18.47		
10	50	0		18.61	18.48	18.55		
Limit	ERP < 3W			Result			Pass	



LTE Band 71 Maximum Average Power [dBm] (GT - LC = -0.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.58	23.74	23.71	21.49	0.1409
5	1	12		23.55	23.72	23.73		
5	1	24		23.60	23.63	23.55		
5	12	0		22.54	22.80	22.73		
5	12	7		22.63	22.80	22.72		
5	12	13		22.63	22.79	22.71		
5	25	0		22.72	22.76	22.69		
5	1	0	16-QAM	23.25	23.20	23.19	21.00	0.1259
5	1	12		23.13	23.08	23.08		
5	1	24		23.09	23.01	22.91		
5	12	0		21.81	21.86	21.72		
5	12	7		21.84	21.82	21.76		
5	12	13		21.84	21.79	21.72		
5	25	0		21.92	21.79	21.70		
5	1	0	64-QAM	22.15	22.08	21.97	19.90	0.0977
5	1	12		22.01	22.00	22.00		
5	1	24		21.98	21.92	21.77		
5	12	0		20.84	20.85	20.75		
5	12	7		20.85	20.78	20.77		
5	12	13		20.84	20.82	20.77		
5	25	0		20.91	20.73	20.68		
5	1	0	256-QAM	18.84	18.71	18.77	16.59	0.0456
5	1	12		18.78	18.53	18.56		
5	1	24		18.76	18.77	18.70		
5	12	0		18.66	18.48	18.48		
5	12	7		18.72	18.50	18.48		
5	12	13		18.63	18.55	18.48		
5	25	0		18.68	18.45	18.49		
Limit	ERP < 3W			Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG440813B

LTE Band 14 Maximum Average Power [dBm] (GT - LC = -0.94 dB)											
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)			
10	1	0	QPSK	-	23.75	-	20.66	0.1164			
10	1	25			23.66						
10	1	49			23.55						
10	25	0			22.72						
10	25	12			22.69						
10	25	25			22.67						
10	50	0			22.73						
10	1	0	16-QAM		23.26		-	20.17	0.1040		
10	1	25			23.00						
10	1	49			22.98						
10	25	0			21.77						
10	25	12			21.75						
10	25	25			21.67						
10	50	0			21.74						
10	1	0	64-QAM		21.93			-	18.84	0.0766	
10	1	25			21.84						
10	1	49			21.78						
10	25	0			20.72						
10	25	12			20.75						
10	25	25			20.70						
10	50	0			20.73						
10	1	0	256-QAM		18.55				-	15.71	0.0372
10	1	25			18.80						
10	1	49			18.70						
10	25	0			18.74						
10	25	12			18.65						
10	25	25			18.64						
10	50	0			18.70						
Limit	ERP < 3W			Result						Pass	



FCC RADIO TEST REPORT

Report No. : FG440813B

LTE Band 14 Maximum Average Power [dBm] (GT - LC = -0.94 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.70	23.65	23.61	20.61	0.1151
5	1	12		23.68	23.64	23.59		
5	1	24		23.60	23.54	23.59		
5	12	0		22.70	22.63	22.58		
5	12	7		22.77	22.67	22.65		
5	12	13		22.71	22.63	22.63		
5	25	0		22.74	22.65	22.55		
5	1	0	16-QAM	23.12	23.07	22.96	20.03	0.1007
5	1	12		23.03	23.06	23.05		
5	1	24		22.88	22.92	22.95		
5	12	0		21.74	21.67	21.59		
5	12	7		21.83	21.72	21.73		
5	12	13		21.75	21.67	21.69		
5	25	0		21.77	21.68	21.55		
5	1	0	64-QAM	21.85	21.76	21.84	18.83	0.0764
5	1	12		21.92	21.71	21.79		
5	1	24		21.84	21.73	21.85		
5	12	0		20.72	20.64	20.60		
5	12	7		20.80	20.73	20.66		
5	12	13		20.74	20.66	20.66		
5	25	0		20.79	20.67	20.56		
5	1	0	256-QAM	18.37	18.46	18.33	15.62	0.0365
5	1	12		18.65	18.71	18.54		
5	1	24		18.47	18.58	18.41		
5	12	0		18.57	18.62	18.49		
5	12	7		18.47	18.49	18.50		
5	12	13		18.44	18.54	18.43		
5	25	0		18.52	18.59	18.46		
Limit	ERP < 3W			Result			Pass	



LTE Band 42 Maximum Average Power [dBm] (GT - LC = 0.55 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	20.47	20.48	20.35	21.03	0.1268
20	1	49		20.40	20.41	20.25		
20	1	99		20.27	20.25	20.16		
20	50	0		19.49	19.51	19.36		
20	50	24		19.47	19.47	19.30		
20	50	50		19.44	19.39	19.31		
20	100	0		19.48	19.49	19.34		
20	1	0	16-QAM	19.47	19.45	19.28	20.11	0.1026
20	1	49		19.56	19.44	19.36		
20	1	99		19.32	19.32	19.17		
20	50	0		18.55	18.44	18.33		
20	50	24		18.49	18.51	18.36		
20	50	50		18.43	18.40	18.30		
20	100	0		18.49	18.47	18.35		
20	1	0	64-QAM	18.41	18.45	18.31	19.00	0.0794
20	1	49		18.30	18.33	18.14		
20	1	99		18.14	18.21	18.18		
20	50	0		17.54	17.46	17.34		
20	50	24		17.48	17.51	17.41		
20	50	50		17.46	17.41	17.32		
20	100	0		17.51	17.49	17.34		
20	1	0	256-QAM	15.44	15.45	15.31	16.05	0.0403
20	1	49		15.42	15.39	15.22		
20	1	99		15.36	15.34	15.24		
20	50	0		15.39	15.43	15.28		
20	50	24		15.41	15.40	15.20		
20	50	50		15.50	15.39	15.29		
20	100	0		15.26	15.26	15.09		
Limit	EIRP < 1W			Result			Pass	



LTE Band 42 Maximum Average Power [dBm] (GT - LC = 0.55 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	20.39	20.41	20.27	20.96	0.1247
15	1	37		20.35	20.33	20.17		
15	1	74		20.22	20.18	20.10		
15	36	0		19.42	19.40	19.27		
15	36	20		19.43	19.38	19.24		
15	36	39		19.37	19.32	19.24		
15	75	0		19.39	19.39	19.28		
15	1	0	16-QAM	19.42	19.37	19.23	20.06	0.1014
15	1	37		19.51	19.35	19.31		
15	1	74		19.24	19.25	19.09		
15	36	0		18.46	18.37	18.25		
15	36	20		18.41	18.43	18.31		
15	36	39		18.36	18.31	18.22		
15	75	0		18.41	18.41	18.28		
15	1	0	64-QAM	18.33	18.39	18.24	18.94	0.0783
15	1	37		18.24	18.26	18.09		
15	1	74		18.09	18.16	18.13		
15	36	0		17.45	17.38	17.27		
15	36	20		17.41	17.46	17.33		
15	36	39		17.41	17.33	17.24		
15	75	0		17.42	17.43	17.26		
15	1	0	256-QAM	15.40	15.42	15.30	16.03	0.0401
15	1	37		15.42	15.40	15.22		
15	1	74		15.37	15.33	15.25		
15	36	0		15.42	15.44	15.25		
15	36	20		15.39	15.40	15.20		
15	36	39		15.48	15.38	15.28		
15	75	0		15.24	15.23	15.10		
Limit	EIRP < 1W			Result			Pass	



LTE Band 42 Maximum Average Power [dBm] (GT - LC = 0.55 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	20.38	20.39	20.27	20.94	0.1242
10	1	25		20.32	20.35	20.18		
10	1	49		20.18	20.16	20.11		
10	25	0		19.44	19.40	19.29		
10	25	12		19.42	19.36	19.21		
10	25	25		19.35	19.34	19.26		
10	50	0		19.41	19.40	19.27		
10	1	0	16-QAM	19.40	19.36	19.22	20.05	0.1012
10	1	25		19.50	19.37	19.31		
10	1	49		19.26	19.27	19.10		
10	25	0		18.50	18.38	18.24		
10	25	12		18.42	18.46	18.28		
10	25	25		18.34	18.33	18.24		
10	50	0		18.43	18.42	18.26		
10	1	0	64-QAM	18.34	18.39	18.23	18.94	0.0783
10	1	25		18.24	18.26	18.05		
10	1	49		18.08	18.15	18.13		
10	25	0		17.48	17.37	17.29		
10	25	12		17.43	17.42	17.35		
10	25	25		17.37	17.35	17.27		
10	50	0		17.45	17.43	17.26		
10	1	0	256-QAM	15.41	15.43	15.29	16.03	0.0401
10	1	25		15.42	15.40	15.23		
10	1	49		15.35	15.31	15.22		
10	25	0		15.39	15.43	15.25		
10	25	12		15.40	15.40	15.19		
10	25	25		15.48	15.35	15.31		
10	50	0		15.26	15.25	15.10		
Limit	EIRP < 1W			Result			Pass	



LTE Band 42 Maximum Average Power [dBm] (GT - LC = 0.55 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	20.39	20.42	20.27	20.97	0.1250
5	1	12		20.31	20.36	20.18		
5	1	24		20.18	20.17	20.09		
5	12	0		19.43	19.42	19.29		
5	12	7		19.42	19.37	19.25		
5	12	13		19.37	19.33	19.26		
5	25	0		19.43	19.41	19.28		
5	1	0	16-QAM	19.40	19.38	19.23	20.04	0.1009
5	1	12		19.49	19.39	19.29		
5	1	24		19.26	19.24	19.12		
5	12	0		18.47	18.35	18.28		
5	12	7		18.40	18.43	18.27		
5	12	13		18.35	18.34	18.22		
5	25	0		18.44	18.38	18.29		
5	1	0	64-QAM	18.36	18.38	18.22	18.93	0.0782
5	1	12		18.25	18.27	18.06		
5	1	24		18.05	18.12	18.10		
5	12	0		17.45	17.37	17.28		
5	12	7		17.39	17.43	17.34		
5	12	13		17.40	17.36	17.26		
5	25	0		17.42	17.41	17.26		
5	1	0	256-QAM	15.42	15.43	15.29	16.02	0.0400
5	1	12		15.42	15.38	15.21		
5	1	24		15.35	15.34	15.25		
5	12	0		15.39	15.42	15.29		
5	12	7		15.38	15.38	15.21		
5	12	13		15.47	15.35	15.28		
5	25	0		15.25	15.25	15.09		
Limit	EIRP < 1W			Result			Pass	



LTE Band 43 Maximum Average Power [dBm] (GT - LC = -0.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	20.45	20.32	20.23	20.25	0.1059
20	1	49		20.29	20.16	20.09		
20	1	99		20.16	20.07	20.16		
20	50	0		19.33	19.25	19.22		
20	50	24		19.27	19.19	19.14		
20	50	50		19.28	19.18	19.13		
20	100	0		19.28	19.18	19.14		
20	1	0	16-QAM	19.47	19.32	19.25	19.27	0.0845
20	1	49		19.27	19.20	19.17		
20	1	99		19.16	19.08	19.13		
20	50	0		18.33	18.26	18.19		
20	50	24		18.30	18.18	18.11		
20	50	50		18.29	18.17	18.14		
20	100	0		18.29	18.18	18.13		
20	1	0	64-QAM	18.38	18.17	18.20	18.18	0.0658
20	1	49		18.28	18.16	18.14		
20	1	99		18.09	18.07	18.11		
20	50	0		17.35	17.22	17.19		
20	50	24		17.28	17.17	17.16		
20	50	50		17.29	17.14	17.14		
20	100	0		17.31	17.16	17.14		
20	1	0	256-QAM	15.25	15.17	15.15	15.22	0.0333
20	1	49		15.18	15.13	15.09		
20	1	99		15.21	15.14	15.05		
20	50	0		15.20	15.11	15.10		
20	50	24		15.42	15.27	15.20		
20	50	50		15.22	15.14	15.10		
20	100	0		15.10	15.03	15.07		
Limit	EIRP < 1W			Result			Pass	



LTE Band 43 Maximum Average Power [dBm] (GT - LC = 0.55 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	20.37	20.23	20.18	20.17	0.1040
15	1	37		20.24	20.07	20.11		
15	1	74		20.10	20.01	20.11		
15	36	0		19.27	19.20	19.18		
15	36	20		19.18	19.13	19.12		
15	36	39		19.23	19.13	19.09		
15	75	0		19.23	19.11	19.13		
15	1	0	16-QAM	19.38	19.23	19.21	19.18	0.0828
15	1	37		19.21	19.12	19.16		
15	1	74		19.08	19.03	19.10		
15	36	0		18.24	18.19	18.16		
15	36	20		18.23	18.13	18.11		
15	36	39		18.21	18.12	18.14		
15	75	0		18.20	18.09	18.11		
15	1	0	64-QAM	18.32	18.12	18.16	18.12	0.0649
15	1	37		18.21	18.10	18.12		
15	1	74		18.02	18.01	18.10		
15	36	0		17.28	17.14	17.15		
15	36	20		17.19	17.09	17.12		
15	36	39		17.22	17.07	17.14		
15	75	0		17.23	17.11	17.13		
15	1	0	256-QAM	15.29	15.16	15.17	15.22	0.0333
15	1	37		15.18	15.11	15.06		
15	1	74		15.20	15.09	15.09		
15	36	0		15.22	15.13	15.08		
15	36	20		15.42	15.23	15.17		
15	36	39		15.21	15.13	15.08		
15	75	0		15.10	15.01	15.06		
Limit	EIRP < 1W			Result			Pass	



LTE Band 43 Maximum Average Power [dBm] (GT - LC = 0.55 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	20.39	20.27	20.14	20.19	0.1045
10	1	25		20.23	20.11	20.08		
10	1	49		20.11	20.02	20.12		
10	25	0		19.26	19.19	19.19		
10	25	12		19.18	19.14	19.13		
10	25	25		19.22	19.12	19.12		
10	50	0		19.22	19.13	19.11		
10	1	0	16-QAM	19.41	19.25	19.24	19.21	0.0834
10	1	25		19.18	19.15	19.14		
10	1	49		19.09	19.02	19.11		
10	25	0		18.25	18.20	18.17		
10	25	12		18.21	18.13	18.09		
10	25	25		18.21	18.11	18.12		
10	50	0		18.20	18.11	18.09		
10	1	0	64-QAM	18.31	18.09	18.17	18.11	0.0647
10	1	25		18.19	18.09	18.10		
10	1	49		18.03	18.01	18.08		
10	25	0		17.27	17.13	17.18		
10	25	12		17.21	17.11	17.13		
10	25	25		17.22	17.06	17.10		
10	50	0		17.26	17.10	17.14		
10	1	0	256-QAM	15.25	15.21	15.14	15.21	0.0332
10	1	25		15.20	15.12	15.05		
10	1	49		15.24	15.10	15.08		
10	25	0		15.23	15.13	15.07		
10	25	12		15.41	15.28	15.20		
10	25	25		15.21	15.11	15.11		
10	50	0		15.11	15.02	15.08		
Limit	EIRP < 1W			Result			Pass	



LTE Band 43 Maximum Average Power [dBm] (GT - LC = 0.55 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	20.37	20.25	20.15	20.17	0.1040
5	1	12		20.24	20.08	20.09		
5	1	24		20.09	20.01	20.13		
5	12	0		19.27	19.17	19.19		
5	12	7		19.21	19.13	19.13		
5	12	13		19.21	19.12	19.11		
5	25	0		19.23	19.11	19.14		
5	1	0	16-QAM	19.41	19.25	19.22	19.21	0.0834
5	1	12		19.21	19.14	19.16		
5	1	24		19.10	19.02	19.12		
5	12	0		18.26	18.17	18.18		
5	12	7		18.23	18.11	18.09		
5	12	13		18.23	18.09	18.11		
5	25	0		18.24	18.11	18.10		
5	1	0	64-QAM	18.29	18.09	18.19	18.09	0.0644
5	1	12		18.19	18.11	18.14		
5	1	24		18.04	18.02	18.08		
5	12	0		17.27	17.13	17.15		
5	12	7		17.23	17.08	17.14		
5	12	13		17.21	17.05	17.11		
5	25	0		17.23	17.07	17.13		
5	1	0	256-QAM	15.24	15.18	15.14	15.23	0.0333
5	1	12		15.20	15.13	15.07		
5	1	24		15.19	15.11	15.08		
5	12	0		15.24	15.11	15.05		
5	12	7		15.43	15.25	15.16		
5	12	13		15.22	15.15	15.08		
5	25	0		15.07	15.02	15.05		
Limit	EIRP < 1W			Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG440813B

LTE Band 26 (Part90s) Maximum Average Power [dBm] (GT - LC = -1.97 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	23.52	-	-	19.41	0.0873
15	1	37		23.53	-	-		
15	1	74		23.24	-	-		
15	36	0		22.57	-	-		
15	36	20		22.61	-	-		
15	36	39		22.53	-	-		
15	75	0		22.57	-	-		
15	1	0	16-QAM	22.59	-	-	18.79	0.0757
15	1	37		22.91	-	-		
15	1	74		22.74	-	-		
15	36	0		21.54	-	-		
15	36	20		21.73	-	-		
15	36	39		21.66	-	-		
15	75	0		21.72	-	-		
15	1	0	64-QAM	21.60	-	-	17.69	0.0587
15	1	37		21.74	-	-		
15	1	74		21.81	-	-		
15	36	0		20.52	-	-		
15	36	20		20.68	-	-		
15	36	39		20.66	-	-		
15	75	0		20.74	-	-		
15	1	0	256-QAM	18.48	-	-	14.36	0.0273
15	1	37		18.39	-	-		
15	1	74		18.43	-	-		
15	36	0		18.26	-	-		
15	36	20		18.22	-	-		
15	36	39		18.34	-	-		
15	75	0		18.27	-	-		
Limit	Power < 100W			Result			Pass	



LTE Band 26 (Part90s) Maximum Average Power [dBm] (GT - LC = -1.97 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	23.53	-	19.41	0.0873
10	1	25		-	23.53	-		
10	1	49		-	23.46	-		
10	25	0		-	22.51	-		
10	25	12		-	22.67	-		
10	25	25		-	22.72	-		
10	50	0		-	22.52	-		
10	1	0	16-QAM	-	22.94	-	18.82	0.0762
10	1	25		-	22.91	-		
10	1	49		-	22.87	-		
10	25	0		-	21.52	-		
10	25	12		-	21.65	-		
10	25	25		-	21.73	-		
10	50	0		-	21.57	-		
10	1	0	64-QAM	-	21.85	-	17.85	0.0610
10	1	25		-	21.97	-		
10	1	49		-	21.82	-		
10	25	0		-	20.58	-		
10	25	12		-	20.64	-		
10	25	25		-	20.70	-		
10	50	0		-	20.58	-		
10	1	0	256-QAM	-	18.39	-	14.27	0.0267
10	1	25		-	18.19	-		
10	1	49		-	18.30	-		
10	25	0		-	18.24	-		
10	25	12		-	18.22	-		
10	25	25		-	18.00	-		
10	50	0		-	18.21	-		
Limit	Power < 100W			Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG440813B

LTE Band 26 (Part90s) Maximum Average Power [dBm] (GT - LC = -1.97 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.41	23.60	23.35	19.48	0.0887
5	1	12		23.45	23.41	23.40		
5	1	24		23.33	23.33	23.28		
5	12	0		22.62	22.58	22.56		
5	12	7		22.59	22.53	22.47		
5	12	13		22.54	22.55	22.55		
5	25	0		22.35	22.49	22.42		
5	1	0	16-QAM	22.72	22.59	22.69	18.62	0.0728
5	1	12		22.74	22.63	22.69		
5	1	24		22.70	22.73	22.63		
5	12	0		21.34	21.45	21.54		
5	12	7		21.60	21.45	21.67		
5	12	13		21.67	21.57	21.65		
5	25	0		21.50	21.54	21.56		
5	1	0	64-QAM	21.48	21.68	21.51	17.70	0.0589
5	1	12		21.70	21.58	21.74		
5	1	24		21.82	21.61	21.57		
5	12	0		20.37	20.49	20.48		
5	12	7		20.66	20.46	20.64		
5	12	13		20.57	20.55	20.53		
5	25	0		20.63	20.45	20.65		
5	1	0	256-QAM	18.48	18.34	18.41	14.36	0.0273
5	1	12		18.09	18.13	17.91		
5	1	24		18.41	18.35	18.24		
5	12	0		18.13	18.30	18.09		
5	12	7		18.26	18.11	18.10		
5	12	13		18.16	18.09	18.01		
5	25	0		18.28	18.18	18.15		
Limit	Power < 100W			Result			Pass	



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Report No. : FG440813B

LTE Band 26 (Part90s) Maximum Average Power [dBm] (GT - LC = -1.97 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.37	23.47	23.51	19.39	0.0869
3	1	8		23.31	23.33	23.36		
3	1	14		23.23	23.37	23.40		
3	8	0		22.50	22.54	22.47		
3	8	4		22.50	22.47	22.58		
3	8	7		22.47	22.54	22.63		
3	15	0		22.51	22.43	22.52		
3	1	0	16-QAM	22.69	22.75	22.70	18.75	0.0750
3	1	8		22.67	22.55	22.87		
3	1	14		22.82	22.73	22.63		
3	8	0		21.47	21.49	21.53		
3	8	4		21.52	21.58	21.71		
3	8	7		21.49	21.55	21.48		
3	15	0		21.52	21.57	21.69		
3	1	0	64-QAM	21.38	21.76	21.49	17.69	0.0587
3	1	8		21.72	21.68	21.66		
3	1	14		21.75	21.81	21.64		
3	8	0		20.50	20.52	20.42		
3	8	4		20.70	20.46	20.50		
3	8	7		20.51	20.58	20.65		
3	15	0		20.52	20.51	20.51		
3	1	0	256-QAM	18.40	18.18	18.25	14.35	0.0272
3	1	8		18.34	18.23	18.07		
3	1	14		18.43	18.33	18.47		
3	8	0		18.10	18.28	18.26		
3	8	4		18.14	18.16	18.12		
3	8	7		18.29	18.23	18.08		
3	15	0		18.20	18.29	18.19		
Limit	Power < 100W			Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG440813B

LTE Band 26 (Part90s) Maximum Average Power [dBm] (GT - LC = -1.97 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.49	23.60	23.55	19.50	0.0891
1.4	1	3		23.42	23.51	23.41		
1.4	1	5		23.35	23.37	23.42		
1.4	3	0		23.44	23.53	23.62		
1.4	3	1		23.42	23.41	23.46		
1.4	3	3		23.53	23.53	23.60		
1.4	6	0		22.62	22.41	22.49		
1.4	1	0	16-QAM	22.87	22.82	23.00	18.88	0.0773
1.4	1	3		22.82	22.82	23.00		
1.4	1	5		22.93	22.89	22.96		
1.4	3	0		22.54	22.66	22.67		
1.4	3	1		22.57	22.65	22.62		
1.4	3	3		22.75	22.66	22.66		
1.4	6	0		21.60	21.50	21.56		
1.4	1	0	64-QAM	21.67	21.79	21.63	17.73	0.0593
1.4	1	3		21.72	21.85	21.83		
1.4	1	5		21.78	21.78	21.60		
1.4	3	0		21.55	21.60	21.53		
1.4	3	1		21.57	21.60	21.63		
1.4	3	3		21.65	21.63	21.60		
1.4	6	0		20.53	20.55	20.57		
1.4	1	0	256-QAM	18.26	18.28	18.36	14.34	0.0272
1.4	1	3		18.17	18.21	18.14		
1.4	1	5		18.39	18.40	18.46		
1.4	3	0		18.39	18.23	18.16		
1.4	3	1		18.12	18.17	18.10		
1.4	3	3		18.17	18.28	17.95		
1.4	6	0		18.16	18.09	18.09		
Limit	Power < 100W			Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG440813B

LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -1.97 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	-	23.31	-	19.45	0.0881
15	1	37		-	23.57	-		
15	1	74		-	23.44	-		
15	36	0		-	22.52	-		
15	36	20		-	22.64	-		
15	36	39		-	22.64	-		
15	75	0		-	22.64	-		
15	1	0	16-QAM	-	22.50	-	18.63	0.0729
15	1	37		-	22.75	-		
15	1	74		-	22.73	-		
15	36	0		-	21.57	-		
15	36	20		-	21.57	-		
15	36	39		-	21.58	-		
15	75	0		-	21.51	-		
15	1	0	64-QAM	-	21.37	-	17.67	0.0585
15	1	37		-	21.79	-		
15	1	74		-	21.72	-		
15	36	0		-	20.40	-		
15	36	20		-	20.52	-		
15	36	39		-	20.51	-		
15	75	0		-	20.59	-		
15	1	0	256-QAM	-	18.71	-	14.59	0.0288
15	1	37		-	18.67	-		
15	1	74		-	18.45	-		
15	36	0		-	18.42	-		
15	36	20		-	18.57	-		
15	36	39		-	18.48	-		
15	75	0		-	18.47	-		
Limit	Reporting only			Result			N/A	



FCC RADIO TEST REPORT

Report No. : FG440813B

LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -1.97 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	23.18	-	19.19	0.0830
10	1	25		-	23.26	-		
10	1	49		-	23.31	-		
10	25	0		-	22.33	-		
10	25	12		-	22.45	-		
10	25	25		-	22.41	-		
10	50	0		-	22.41	-		
10	1	0	16-QAM	-	22.35	-	18.60	0.0724
10	1	25		-	22.71	-		
10	1	49		-	22.72	-		
10	25	0		-	21.45	-		
10	25	12		-	21.44	-		
10	25	25		-	21.53	-		
10	50	0		-	21.49	-		
10	1	0	64-QAM	-	21.41	-	17.48	0.0560
10	1	25		-	21.53	-		
10	1	49		-	21.60	-		
10	25	0		-	20.31	-		
10	25	12		-	20.51	-		
10	25	25		-	20.36	-		
10	50	0		-	20.42	-		
10	1	0	256-QAM	-	18.64	-	14.52	0.0283
10	1	25		-	18.46	-		
10	1	49		-	18.26	-		
10	25	0		-	18.38	-		
10	25	12		-	18.34	-		
10	25	25		-	18.17	-		
10	50	0		-	18.31	-		
Limit	Reporting only			Result			N/A	



LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -1.97 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	-	23.02	-	19.24	0.0839
5	1	12		-	23.36	-		
5	1	24		-	23.26	-		
5	12	0		-	22.21	-		
5	12	7		-	22.42	-		
5	12	13		-	22.40	-		
5	25	0		-	22.48	-		
5	1	0	16-QAM	-	22.40	-	18.55	0.0716
5	1	12		-	22.67	-		
5	1	24		-	22.64	-		
5	12	0		-	21.20	-		
5	12	7		-	21.44	-		
5	12	13		-	21.41	-		
5	25	0		-	21.37	-		
5	1	0	64-QAM	-	21.36	-	17.44	0.0555
5	1	12		-	21.54	-		
5	1	24		-	21.56	-		
5	12	0		-	20.32	-		
5	12	7		-	20.43	-		
5	12	13		-	20.40	-		
5	25	0		-	20.46	-		
5	1	0	256-QAM	-	18.54	-	14.42	0.0277
5	1	12		-	18.45	-		
5	1	24		-	18.43	-		
5	12	0		-	18.22	-		
5	12	7		-	18.42	-		
5	12	13		-	18.20	-		
5	25	0		-	18.44	-		
Limit	Reporting only			Result			N/A	



FCC RADIO TEST REPORT

Report No. : FG440813B

LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -1.97 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	-	23.24	-	19.30	0.0851
3	1	8		-	23.42	-		
3	1	14		-	23.38	-		
3	8	0		-	22.25	-		
3	8	4		-	22.40	-		
3	8	7		-	22.51	-		
3	15	0		-	22.36	-		
3	1	0	16-QAM	-	22.54	-	18.52	0.0711
3	1	8		-	22.64	-		
3	1	14		-	22.53	-		
3	8	0		-	21.40	-		
3	8	4		-	21.52	-		
3	8	7		-	21.41	-		
3	15	0		-	21.37	-		
3	1	0	64-QAM	-	21.27	-	17.56	0.0570
3	1	8		-	21.48	-		
3	1	14		-	21.68	-		
3	8	0		-	20.26	-		
3	8	4		-	20.49	-		
3	8	7		-	20.57	-		
3	15	0		-	20.40	-		
3	1	0	256-QAM	-	18.65	-	14.53	0.0284
3	1	8		-	18.46	-		
3	1	14		-	18.46	-		
3	8	0		-	18.33	-		
3	8	4		-	18.20	-		
3	8	7		-	18.32	-		
3	15	0		-	18.49	-		
Limit	Reporting only			Result			N/A	



LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -1.97 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	-	23.11	-	19.46	0.0883
1.4	1	3		-	23.37	-		
1.4	1	5		-	23.53	-		
1.4	3	0		-	23.22	-		
1.4	3	1		-	23.37	-		
1.4	3	3		-	23.58	-		
1.4	6	0		-	22.40	-		
1.4	1	0	16-QAM	-	22.67	-	18.69	0.0740
1.4	1	3		-	22.51	-		
1.4	1	5		-	22.41	-		
1.4	3	0		-	22.57	-		
1.4	3	1		-	22.81	-		
1.4	3	3		-	22.67	-		
1.4	6	0		-	21.41	-		
1.4	1	0	64-QAM	-	21.55	-	17.53	0.0566
1.4	1	3		-	21.65	-		
1.4	1	5		-	21.58	-		
1.4	3	0		-	21.40	-		
1.4	3	1		-	21.58	-		
1.4	3	3		-	21.57	-		
1.4	6	0		-	20.43	-		
1.4	1	0	256-QAM	-	18.58	-	14.48	0.0281
1.4	1	3		-	18.60	-		
1.4	1	5		-	18.42	-		
1.4	3	0		-	18.25	-		
1.4	3	1		-	18.47	-		
1.4	3	3		-	18.44	-		
1.4	6	0		-	18.44	-		
Limit	Reporting only			Result			N/A	



LTE Band 2C_CA Maximum Average Power [dBm] (GT - LC = 1.98 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	24.20	24.27	24.39	26.37	0.4335
20+20	1	99	1	0	16-QAM	23.70	23.11	23.73	25.71	0.3724
20+15	1	74	1	0	QPSK	23.54	23.47	23.92	25.90	0.3890
20+15	1	74	1	0	16-QAM	23.17	23.01	23.06	25.15	0.3273
15+20	1	74	1	0	QPSK	23.77	23.78	23.51	25.76	0.3767
15+20	1	74	1	0	16-QAM	23.16	22.88	22.86	25.14	0.3266
Limit	EIRP < 2W					Result			Pass	

LTE Band 2C_CA Maximum Average Power [dBm] (GT - LC = 1.98 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	23.98	23.50	23.57	25.96	0.3945
20+10	1	99	1	0	16-QAM	23.01	22.99	23.15	25.13	0.3258
10+20	1	49	1	0	QPSK	23.61	23.71	24.10	26.08	0.4055
10+20	1	49	1	0	16-QAM	23.07	22.89	23.06	25.05	0.3199
20+5	1	99	1	0	QPSK	23.68	23.44	23.53	25.66	0.3681
20+5	1	99	1	0	16-QAM	22.99	23.26	22.78	25.24	0.3342
Limit	EIRP < 2W					Result			Pass	

LTE Band 2C_CA Maximum Average Power [dBm] (GT - LC = 1.98 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	23.60	23.44	24.31	26.29	0.4256
5+20	1	24	1	0	16-QAM	23.08	22.96	22.95	25.06	0.3206
Limit	EIRP < 2W					Result			Pass	

LTE Band 2C_CA Maximum Average Power [dBm] (GT - LC = 1.98 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	23.61	23.76	23.51	25.74	0.3750
15+10	1	74	1	0	16-QAM	23.11	23.26	22.89	25.24	0.3342
10+15	1	49	1	0	QPSK	23.69	23.65	23.37	25.67	0.3690
10+15	1	49	1	0	16-QAM	23.01	23.03	23.04	25.02	0.3177
15+15	1	74	1	0	QPSK	23.66	24.25	23.56	26.23	0.4198
15+15	1	74	1	0	16-QAM	23.04	23.32	23.13	25.30	0.3388
Limit	EIRP < 2W					Result			Pass	



LTE Band 5B_CA Maximum Average Power [dBm] (GT - LC = -1.76 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	24.28	24.15	24.49	20.58	0.1143
10+10	1	49	1	0	16-QAM	23.55	23.67	23.63	19.76	0.0946
10+5	1	49	1	0	QPSK	24.06	24.46	24.02	20.55	0.1135
10+5	1	49	1	0	16-QAM	23.33	23.58	23.68	19.77	0.0948
5+10	1	24	1	0	QPSK	24.11	24.19	24.38	20.47	0.1114
5+10	1	24	1	0	16-QAM	23.60	23.65	23.70	19.79	0.0953
Limit	ERP < 7W					Result			Pass	

LTE Band 5B_CA Maximum Average Power [dBm] (GT - LC = -1.76 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	24.08	24.34	24.21	20.43	0.1104
5+3	1	24	1	0	16-QAM	23.85	24.04	24.06	20.15	0.1035
3+5	1	14	1	0	QPSK	24.17	24.30	24.12	20.39	0.1094
3+5	1	14	1	0	16-QAM	24.25	24.57	24.19	20.66	0.1164
Limit	ERP < 7W					Result			Pass	



LTE Band 66B_CA Maximum Average Power [dBm] (GT - LC = 1.99 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	24.36	24.25	24.32	26.35	0.4315
10+10	1	49	1	0	16-QAM	23.73	23.61	23.75	25.74	0.3750
15+5	1	74	1	0	QPSK	24.36	24.45	24.45	26.44	0.4406
15+5	1	74	1	0	16-QAM	23.87	23.75	23.78	25.86	0.3855
5+15	1	24	1	0	QPSK	24.31	24.28	24.30	26.30	0.4266
5+15	1	24	1	0	16-QAM	23.89	23.82	23.65	25.88	0.3873
Limit	EIRP < 1W					Result			Pass	

LTE Band 66B_CA Maximum Average Power [dBm] (GT - LC = 1.99 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	24.22	24.32	24.28	26.31	0.4276
10+5	1	49	1	0	16-QAM	23.58	23.81	23.72	25.80	0.3802
5+10	1	24	1	0	QPSK	24.25	24.32	24.23	26.31	0.4276
5+10	1	24	1	0	16-QAM	23.78	23.79	23.87	25.86	0.3855
5+5	1	24	1	0	QPSK	24.45	24.38	24.44	26.44	0.4406
5+5	1	24	1	0	16-QAM	23.85	23.91	23.87	25.90	0.3890
Limit	EIRP < 1W					Result			Pass	



LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 1.99 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	24.08	24.03	24.05	26.07	0.4046
20+20	1	99	1	0	16-QAM	23.54	23.26	23.43	25.53	0.3573
20+15	1	74	1	0	QPSK	23.77	23.87	23.81	25.86	0.3855
20+15	1	74	1	0	16-QAM	23.21	23.22	23.19	25.21	0.3319
15+20	1	74	1	0	QPSK	23.77	23.85	23.84	25.84	0.3837
15+20	1	74	1	0	16-QAM	23.20	23.23	23.17	25.22	0.3327
Limit	EIRP < 1W					Result			Pass	

LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 1.99 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	23.79	23.78	23.81	25.80	0.3802
20+10	1	99	1	0	16-QAM	23.25	23.26	23.31	25.30	0.3388
10+20	1	49	1	0	QPSK	23.85	23.86	23.88	25.87	0.3864
10+20	1	49	1	0	16-QAM	23.29	23.25	23.28	25.28	0.3373
20+5	1	99	1	0	QPSK	23.76	23.79	23.82	25.81	0.3811
20+5	1	99	1	0	16-QAM	23.21	23.25	23.30	25.29	0.3381
Limit	EIRP < 1W					Result			Pass	

LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 1.99 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	23.70	23.75	23.77	25.76	0.3767
15+10	1	74	1	0	16-QAM	23.15	23.21	23.19	25.20	0.3311
10+15	1	49	1	0	QPSK	23.85	23.88	23.81	25.87	0.3864
10+15	1	49	1	0	16-QAM	23.26	23.31	23.33	25.32	0.3404
15+15	1	74	1	0	QPSK	24.07	23.96	23.98	26.06	0.4036
15+15	1	74	1	0	16-QAM	23.59	23.52	23.59	25.58	0.3614
Limit	EIRP < 1W					Result			Pass	



LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = 1.72 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	24.30	24.39	24.29	26.11	0.4083
20+20	1	99	1	0	16-QAM	23.36	23.78	24.05	25.77	0.3776
20+15	1	99	1	0	QPSK	24.36	24.24	24.30	26.08	0.4055
20+15	1	99	1	0	16-QAM	23.54	23.57	23.48	25.29	0.3381
15+20	1	74	1	0	QPSK	24.44	24.38	24.33	26.16	0.4130
15+20	1	74	1	0	16-QAM	23.46	23.52	23.40	25.24	0.3342
Limit	EIRP < 2W					Result			Pass	

LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = 1.72 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	24.51	24.48	24.44	26.23	0.4198
20+10	1	99	1	0	16-QAM	23.62	23.60	23.48	25.34	0.3420
10+20	1	74	1	0	QPSK	24.36	24.41	24.42	26.14	0.4111
10+20	1	74	1	0	16-QAM	23.47	23.50	23.55	25.27	0.3365
15+15	1	74	1	0	QPSK	24.45	24.42	24.41	26.17	0.4140
15+15	1	74	1	0	16-QAM	23.56	23.58	23.61	25.33	0.3412
Limit	EIRP < 2W					Result			Pass	

LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = 1.72 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	24.47	24.38	24.42	26.19	0.4159
15+10	1	74	1	0	16-QAM	23.36	23.42	23.39	25.14	0.3266
Limit	EIRP < 2W					Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG440813B

LTE Band 38C_CA Maximum Average Power [dBm] (GT - LC = 0.95 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	24.36	23.87	23.99	25.31	0.3396
20+20	1	99	1	0	16-QAM	23.69	23.60	23.57	24.64	0.2911
15+15	1	74	1	0	QPSK	24.22	24.23	24.31	25.26	0.3357
15+15	1	74	1	0	16-QAM	23.82	23.85	24.00	24.95	0.3126
Limit	EIRP < 2W					Result			Pass	



LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 1.52 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	26.16	26.16	25.92	27.68	0.5861
20+20	1	99	1	0	16-QAM	25.38	25.32	25.16	26.90	0.4898
20+15	1	99	1	0	QPSK	26.13	26.21	25.89	27.73	0.5929
20+15	1	99	1	0	16-QAM	25.70	25.33	25.08	27.22	0.5272
15+20	1	74	1	0	QPSK	26.11	26.23	26.09	27.75	0.5957
15+20	1	74	1	0	16-QAM	25.43	25.47	25.12	26.99	0.5000
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 1.52 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
10+20	1	49	1	0	QPSK	26.12	26.18	25.86	27.70	0.5888
10+20	1	49	1	0	16-QAM	25.88	25.58	24.92	27.40	0.5495
20+5	1	99	1	0	QPSK	26.18	26.19	25.79	27.71	0.5902
20+5	1	99	1	0	16-QAM	25.58	25.54	25.20	27.10	0.5129
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 1.52 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	26.03	26.22	25.77	27.74	0.5943
5+20	1	24	1	0	16-QAM	25.43	25.41	25.20	26.95	0.4955
15+10	1	74	1	0	QPSK	26.13	26.19	25.79	27.71	0.5902
15+10	1	74	1	0	16-QAM	25.39	25.35	25.08	26.91	0.4909
10+15	1	49	1	0	QPSK	26.12	26.12	25.85	27.64	0.5808
10+15	1	49	1	0	16-QAM	25.45	25.44	25.22	26.97	0.4977
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 1.52 dB)										
15+15	1	74	1	0	QPSK	26.12	26.17	25.83	27.69	0.5875
15+15	1	74	1	0	16-QAM	25.40	25.65	25.07	27.17	0.5212
Limit	EIRP < 2W					Result			Pass	



LTE Band 42C_CA Maximum Average Power [dBm] (GT - LC = 0.55 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	21.47	21.47	22.07	0.1611
20+20	1	99	1	0	16-QAM	21.17	21.05	20.99	21.72	0.1486
20+15	1	74	1	0	QPSK	21.46	21.50	21.54	22.09	0.1618
20+15	1	74	1	0	16-QAM	21.12	21.09	21.13	21.68	0.1472
15+20	1	74	1	0	QPSK	21.10	21.15	21.14	21.70	0.1479
15+20	1	74	1	0	16-QAM	20.83	20.58	20.64	21.38	0.1374
Limit	EIRP < 1W					Result			Pass	

LTE Band 42C_CA Maximum Average Power [dBm] (GT - LC = 0.55 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	21.52	21.57	21.53	22.12	0.1629
20+10	1	99	1	0	16-QAM	21.12	21.18	21.07	21.73	0.1489
10+20	1	49	1	0	QPSK	21.18	21.12	21.16	21.73	0.1489
10+20	1	49	1	0	16-QAM	20.78	20.79	20.74	21.34	0.1361
20+5	1	99	1	0	QPSK	21.59	21.48	21.49	22.14	0.1637
20+5	1	99	1	0	16-QAM	21.17	21.13	21.32	21.87	0.1538
Limit	EIRP < 1W					Result			Pass	

LTE Band 42C_CA Maximum Average Power [dBm] (GT - LC = 0.55 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	21.22	21.11	21.25	21.80	0.1514
5+20	1	24	1	0	16-QAM	20.57	20.29	20.69	21.24	0.1330
Limit	EIRP < 1W					Result			Pass	



LTE Band 43C_CA Maximum Average Power [dBm] (GT - LC = -0.2 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	21.03	20.90	20.88	20.83	0.1211
20+20	1	99	1	0	16-QAM	20.49	20.58	20.41	20.38	0.1091
20+15	1	74	1	0	QPSK	21.89	21.79	21.73	21.69	0.1476
20+15	1	74	1	0	16-QAM	21.57	21.41	21.34	21.37	0.1371
15+20	1	74	1	0	QPSK	21.01	20.84	20.78	20.81	0.1205
15+20	1	74	1	0	16-QAM	20.69	20.56	20.34	20.49	0.1119
Limit	EIRP < 1W					Result			Pass	

LTE Band 43C_CA Maximum Average Power [dBm] (GT - LC = -0.2 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	20.94	20.89	20.75	20.74	0.1186
20+10	1	99	1	0	16-QAM	20.75	20.51	20.41	20.55	0.1135
10+20	1	49	1	0	QPSK	21.03	20.85	20.73	20.83	0.1211
10+20	1	49	1	0	16-QAM	20.75	20.49	20.34	20.55	0.1135
20+5	1	99	1	0	QPSK	21.04	20.95	20.74	20.84	0.1213
20+5	1	99	1	0	16-QAM	20.92	20.60	20.31	20.72	0.1180
Limit	EIRP < 1W					Result			Pass	

LTE Band 43C_CA Maximum Average Power [dBm] (GT - LC = -0.2 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	21.05	21.02	20.79	20.85	0.1216
5+20	1	24	1	0	16-QAM	20.49	20.51	20.44	20.31	0.1074
Limit	EIRP < 1W					Result			Pass	



Appendix B. Test Results of Radiated Test

B.1. Summary of each worse mode

Mode	Part	Band	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	AmplCbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
2	Part 22H	LTE CA 2A-5A	M	3328	-53.92	RMS	29.60	-20.73	0.40	-95.23	32.04	-13.00	-40.92	V	Main
3	Part 22H	LTE B26	M	2496	-44.59	RMS	27.70	-22.25	0.50	-95.23	44.69	-13.00	-31.59	H	Main
4	Part 22H	LTE CA B5B	M	2508	-43.50	RMS	27.70	-22.23	0.50	-95.23	45.76	-13.00	-30.50	H	Main
2	Part 24E	LTE B25	H	7590	-44.17	RMS	36.08	-16.61	0.53	-95.23	31.06	-13.00	-31.17	V	Main
3	Part 24E	LTE CA B2C	H	5667	-39.15	RMS	33.14	-17.48	0.39	-95.23	40.03	-13.00	-26.15	V	Main
1	Part 27N	LTE B71	M	2015	-43.95	RMS	26.60	-22.95	0.63	-95.23	47.00	-13.00	-30.95	H	Main
1	Part 27H	LTE B12	M	2109	-45.15	RMS	27.28	-22.78	0.65	-95.23	44.93	-13.00	-32.15	H	Main
2	Part 27H	LTE CA 2A-12A	M	2109	-50.59	RMS	27.28	-22.78	0.65	-95.23	39.49	-13.00	-37.59	H	Main
1	Part 27F	LTE B13	L	1560	-55.90	RMS	25.30	-24.23	0.85	-95.23	37.41	-42.15	-13.75	V	Main
2	Part 27F	LTE B13	M	1560	-54.93	RMS	25.30	-24.23	0.85	-95.23	38.38	-42.15	-12.78	V	Main
3	Part 27F	LTE CA 2A-13A	M	2333	-50.89	RMS	27.10	-22.34	0.58	-95.23	39.00	-13.00	-37.89	V	Main
1	Part 27D	LTE B30	M	6930	-57.05	RMS	35.80	-52.39	0.38	-95.23	54.39	-40.00	-17.05	V	Main
2	Part 27D	LTE B30	M	9240	-57.70	RMS	37.80	-50.91	0.56	-95.23	50.08	-40.00	-17.70	V	Main
3	Part 27D	LTE CA 2A-30A	M	9222	-57.39	RMS	37.80	-50.91	0.58	-95.23	50.37	-40.00	-17.39	V	Main
1	Part 27M	LTE B7	L	7515	-54.94	RMS	36.14	-51.95	0.47	-95.23	55.63	-25.00	-29.94	V	Main
2	Part 27M	LTE CA 4A-7A	M	10125	-56.02	RMS	38.30	-50.81	0.34	-95.23	51.38	-25.00	-31.02	V	Main
3	Part 27M	LTE CA 7C	M	10140	-56.23	RMS	38.36	-50.79	0.34	-95.23	51.09	-25.00	-31.23	H	Main
4	Part 27M	LTE B41	M	7752	-51.58	RMS	36.41	-51.75	0.46	-95.23	58.53	-25.00	-26.58	V	Main
5	Part 27M	LTE CA 41C	M	7785	-51.61	RMS	36.61	-51.73	0.44	-95.23	58.30	-25.00	-26.61	V	Main
1	Part 27Q	LTE B42	M	13961	-33.40	RMS	40.82	-11.84	0.42	-95.23	32.43	-13.00	-20.40	H	MIMO2
2	Part 27Q	LTE CA 42C	H	14116	-33.35	RMS	40.97	-11.76	0.43	-95.23	32.24	-13.00	-20.35	H	MIMO2
1	Part 27O	LTE B43	M	14964	-33.54	RMS	39.80	-10.86	0.52	-95.23	32.23	-13.00	-20.54	V	MIMO2



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
2	Part 27O	LTE CA 43C	L	14877	-33.56	RMS	39.94	-10.99	0.51	-95.23	32.21	-13.00	-20.56	H	MIMO2
2	Part 27L	LTE B66	H	5295	-39.19	RMS	32.81	-17.91	0.43	-95.23	40.71	-13.00	-26.19	V	Main
3	Part 27L	LTE CA 13A-66A	M	6962	-45.01	RMS	35.80	-17.12	0.38	-95.23	31.16	-13.00	-32.01	V	Main
4	Part 27L	LTE CA 66B	M	5265	-43.96	RMS	32.87	-17.93	0.44	-95.23	35.89	-13.00	-30.96	V	Main
5	Part 27L	LTE CA 66C	M	5265	-38.54	RMS	32.87	-17.93	0.44	-95.23	41.31	-13.00	-25.54	V	Main
1	Part 90R	LTE B14	M	1584	-58.01	RMS	25.40	-24.14	0.81	-95.23	35.15	-42.15	-15.86	H	Main
2	Part 90R	LTE B14	M	1584	-57.57	RMS	25.40	-24.14	0.81	-95.23	35.59	-42.15	-15.42	H	Main
1	Part 90S	LTE B26	M	2448	-45.52	RMS	27.60	-22.22	0.52	-95.23	43.81	-13.00	-32.52	H	Main

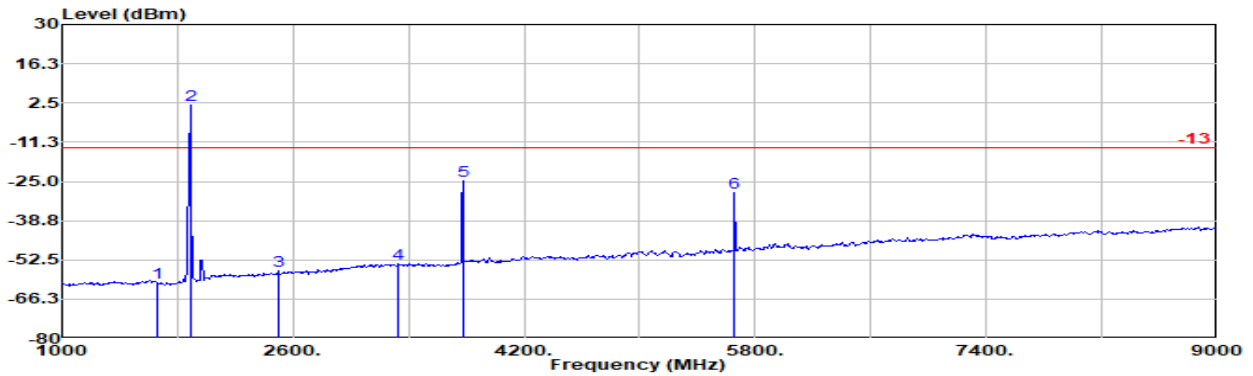


Main Antenna

Part 22H Mode 2

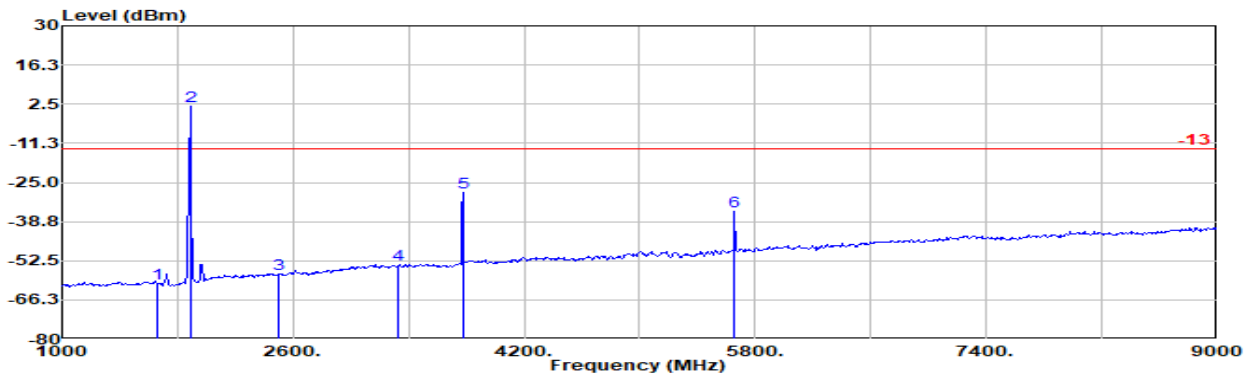
LTE CA 2A-5A Ch18900 + Ch20525

M



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Horizontal
: LTE Band 2 10M Ch18900 1RB49 QPSK
: LTE Band 5 10M Ch20525 1RB0 QPSK

Freq	Level	Detector	Ant Factor	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin		Pol
				dB/m	dB							
MHz	dBm					dB	dB	dBuV	dBm	dB		
1	1664.00	-60.34 RMS	25.04	-23.91	0.74	-95.23	33.02	-13.00	-47.34	Horizontal		
2	1888.00	1.67 RMS	25.48	-23.30	0.65	-95.23	94.07	-13.00	14.67	Horizontal		
3	2496.00	-56.29 RMS	27.70	-22.25	0.50	-95.23	32.99	-13.00	-43.29	Horizontal		
4	3328.00	-54.04 RMS	29.60	-20.73	0.40	-95.23	31.92	-13.00	-41.04	Horizontal		
5	3776.00	-24.97 RMS	30.11	-19.89	0.56	-95.23	59.48	-13.00	-11.97	Horizontal		
6	5656.00	-29.05 RMS	33.05	-17.49	0.52	-95.23	50.10	-13.00	-16.05	Horizontal		



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Vertical
: LTE Band 2 10M Ch18900 1RB49 QPSK
: LTE Band 5 10M Ch20525 1RB0 QPSK

Freq	Level	Detector	Ant Factor	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin		Pol
				dB/m	dB							
MHz	dBm					dB	dB	dBuV	dBm	dB		
1	1664.00	-60.36 RMS	25.04	-23.91	0.74	-95.23	33.00	-13.00	-47.36	Vertical		
2	1888.00	1.75 RMS	25.48	-23.30	0.65	-95.23	94.15	-13.00	14.75	Vertical		
3	2496.00	-57.32 RMS	27.70	-22.25	0.50	-95.23	31.96	-13.00	-44.32	Vertical		
4	3328.00	-53.92 RMS	29.60	-20.73	0.40	-95.23	32.04	-13.00	-40.92	Vertical		
5	3776.00	-28.46 RMS	30.11	-19.89	0.56	-95.23	55.99	-13.00	-15.46	Vertical		
6	5656.00	-35.19 RMS	33.05	-17.49	0.52	-95.23	43.96	-13.00	-22.19	Vertical		

Remark: The limit signal #2, #5 and #6 is fundamental signal which can be ignored.

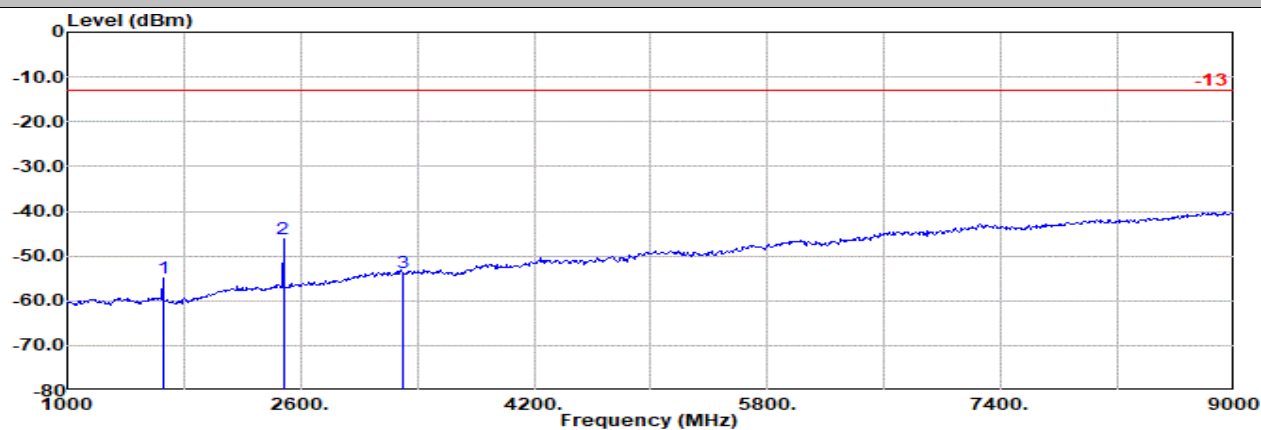


Main Antenna

Part 22H Mode 3

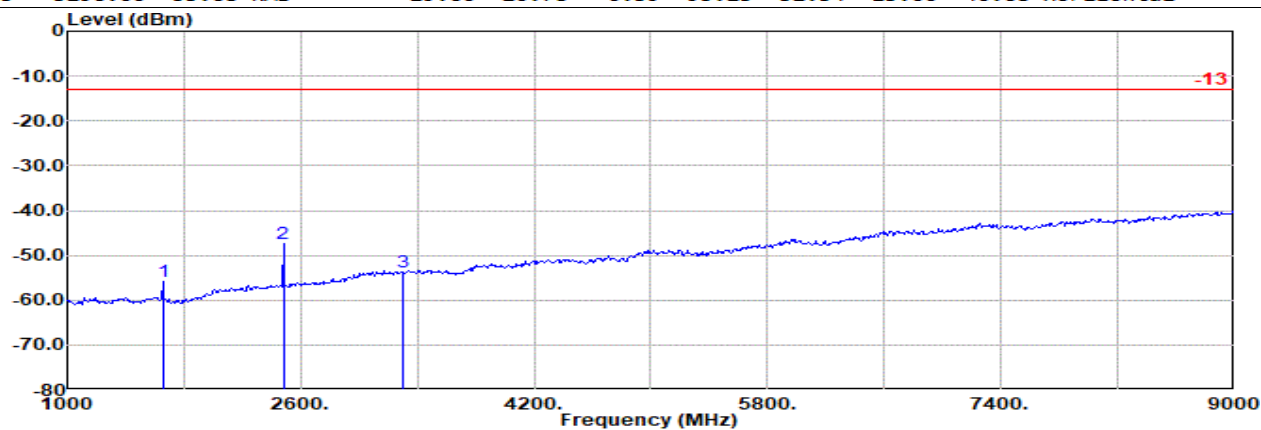
LTE B26 15M Ch26865 1RB0 QPSK

L



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Horizontal
: LTE Band 26 15M Ch26865 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	1656.00	-54.91	RMS	25.00	-23.93	0.75	-95.23	38.50	-13.00	-41.91	Horizontal
2	2480.00	-46.26	RMS	27.70	-22.24	0.51	-95.23	43.00	-13.00	-33.26	Horizontal
3	3296.00	-53.68	RMS	29.60	-20.78	0.39	-95.23	32.34	-13.00	-40.68	Horizontal



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Vertical
: LTE Band 26 15M Ch26865 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	1656.00	-55.79	RMS	25.00	-23.93	0.75	-95.23	37.62	-13.00	-42.79	Vertical
2	2480.00	-47.41	RMS	27.70	-22.24	0.51	-95.23	41.85	-13.00	-34.41	Vertical
3	3296.00	-53.84	RMS	29.60	-20.78	0.39	-95.23	32.18	-13.00	-40.84	Vertical

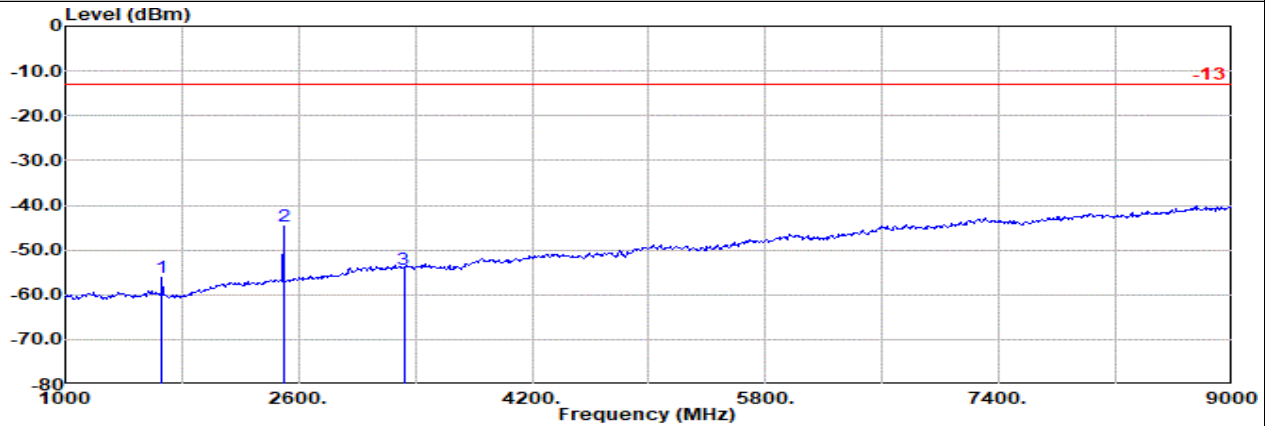


Main Antenna

Part 22H Mode 3

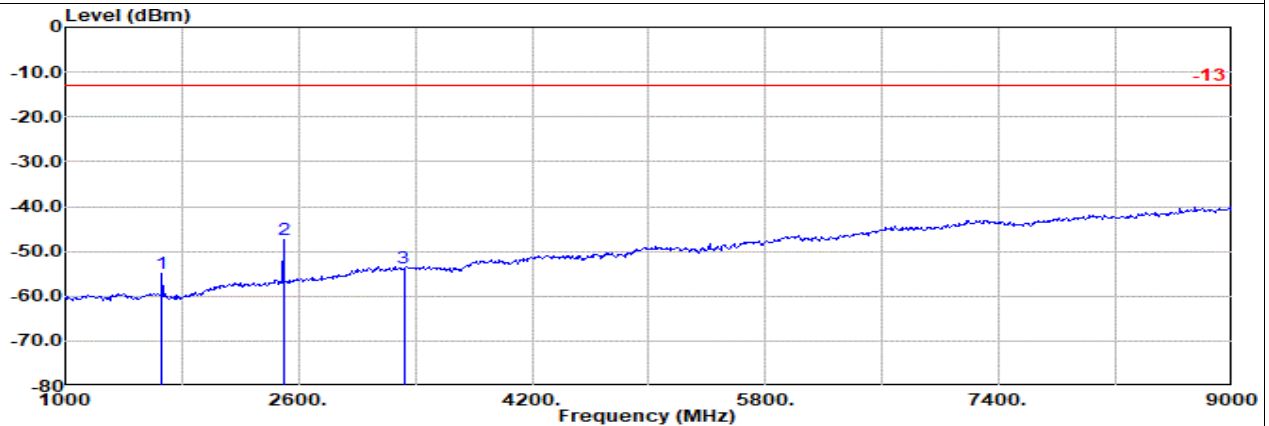
LTE B26 15M Ch26915 1RB0 QPSK

M



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Horizontal
: LTE Band 26 15M Ch26915 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1						
1	1664.00	-56.10	RMS	25.04	-23.91	0.74	-95.23	37.26	-13.00	-43.10	Horizontal
2	2496.00	-44.59	RMS	27.70	-22.25	0.50	-95.23	44.69	-13.00	-31.59	Horizontal
3	3320.00	-54.22	RMS	29.60	-20.75	0.40	-95.23	31.76	-13.00	-41.22	Horizontal



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Vertical
: LTE Band 26 15M Ch26915 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1						
1	1664.00	-54.95	RMS	25.04	-23.91	0.74	-95.23	38.41	-13.00	-41.95	Vertical
2	2496.00	-47.48	RMS	27.70	-22.25	0.50	-95.23	41.80	-13.00	-34.48	Vertical
3	3320.00	-53.76	RMS	29.60	-20.75	0.40	-95.23	32.22	-13.00	-40.76	Vertical

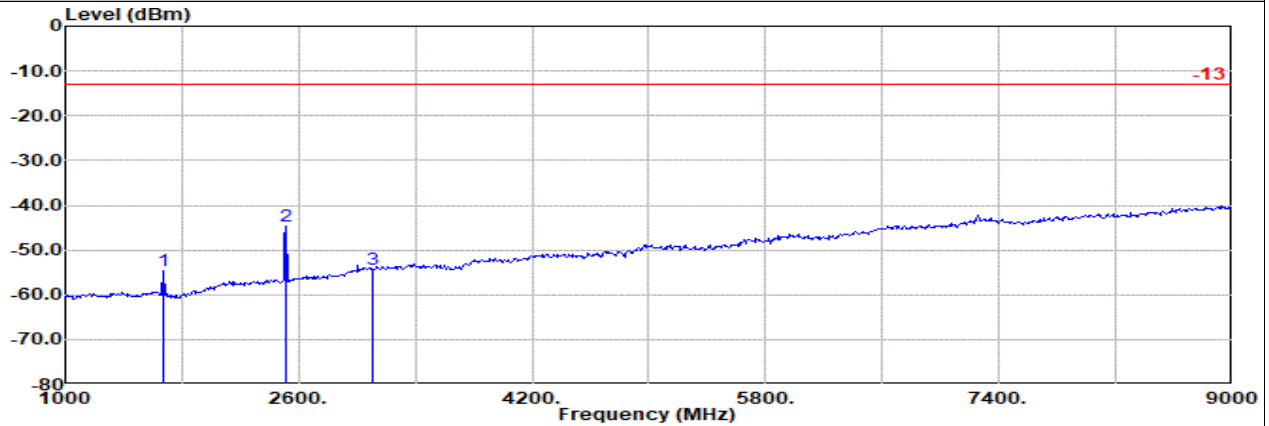


Main Antenna

Part 22H Mode 3

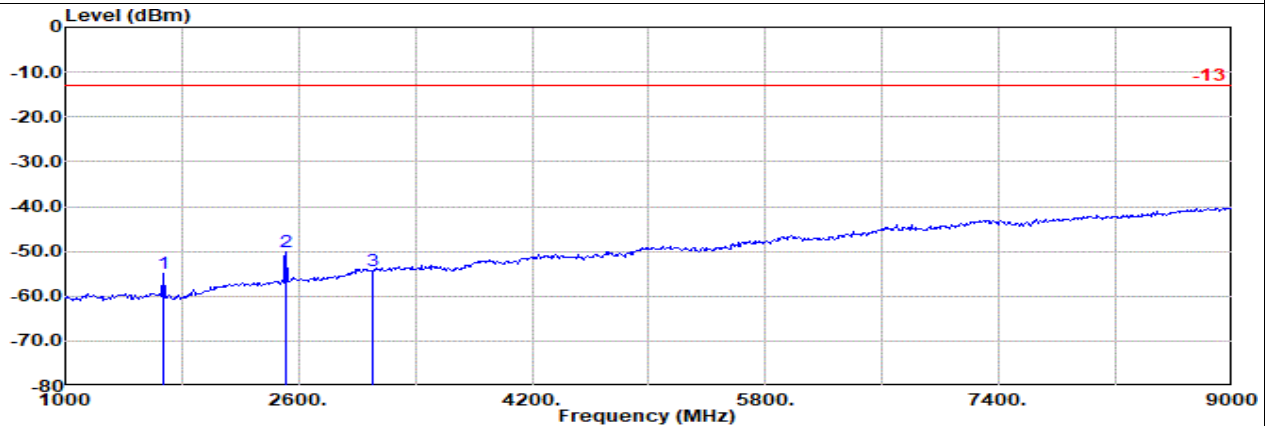
LTE B26 15M Ch26965 1RB0 QPSK

H



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Horizontal
: LTE Band 26 15M Ch26965 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	Amp\Cb dB						
1	1672.00	-54.68	RMS	25.10	-23.89	0.74	-95.23	38.60	-13.00	-41.68	Horizontal
2	2512.00	-44.78	RMS	27.72	-22.22	0.50	-95.23	44.45	-13.00	-31.78	Horizontal
3	3112.00	-54.48	RMS	29.62	-21.09	0.39	-95.23	31.83	-13.00	-41.48	Horizontal



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Vertical
: LTE Band 26 15M Ch26965 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	Amp\Cb dB						
1	1672.00	-54.83	RMS	25.10	-23.89	0.74	-95.23	38.45	-13.00	-41.83	Vertical
2	2512.00	-50.03	RMS	27.72	-22.22	0.50	-95.23	39.20	-13.00	-37.03	Vertical
3	3112.00	-54.39	RMS	29.62	-21.09	0.39	-95.23	31.92	-13.00	-41.39	Vertical

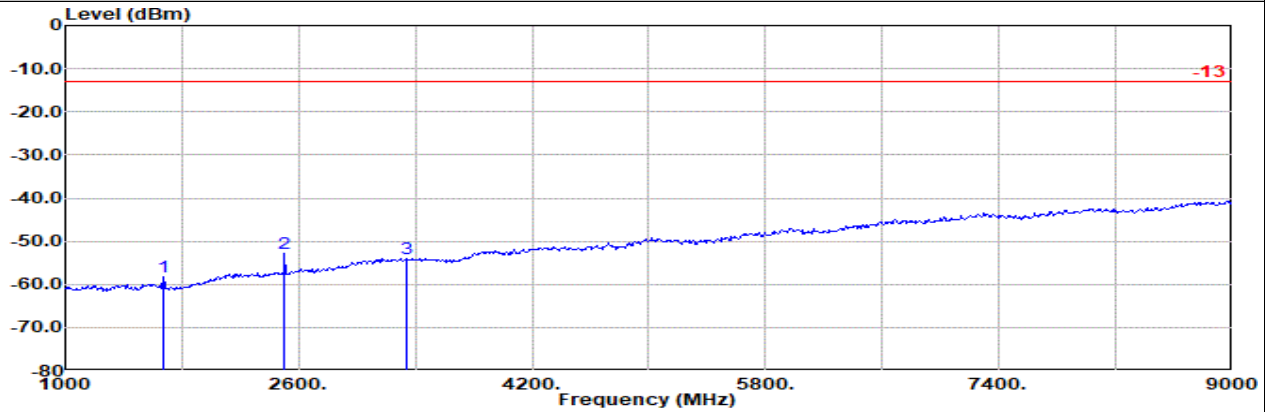


Main Antenna

Part 22H Mode 4

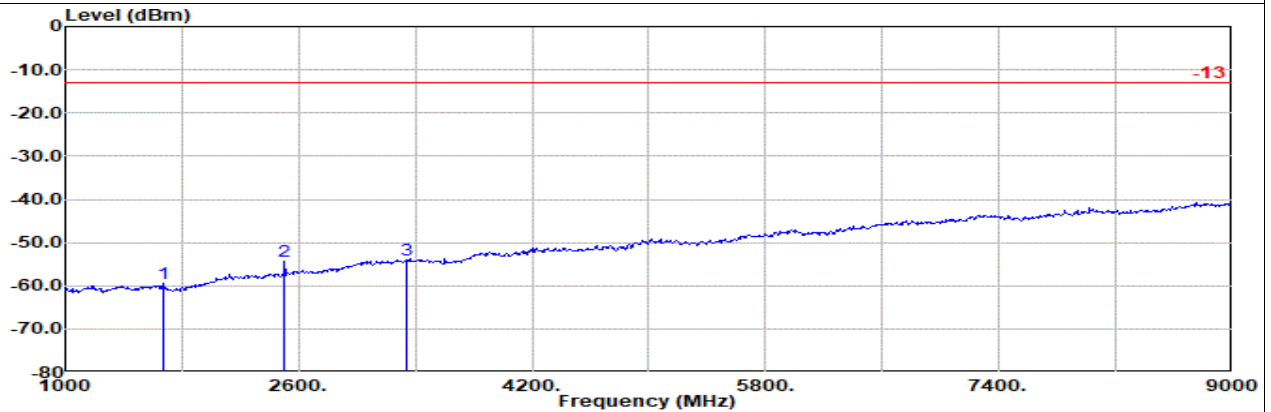
LTE CA B5B Ch20450 + Ch20549

L



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Horizontal
: LTE Band 5 10M Ch20450 1RB49 QPSK
: LTE Band 5 10M Ch20549 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1						
1	1667.00	-58.17	RMS	25.07	-23.90	0.74	-95.23	35.15	-13.00	-45.17	Horizontal
2	2500.00	-52.91	RMS	27.70	-22.25	0.50	-95.23	36.37	-13.00	-39.91	Horizontal
3	3334.00	-54.04	RMS	29.60	-20.72	0.40	-95.23	31.91	-13.00	-41.04	Horizontal



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Vertical
: LTE Band 5 10M Ch20450 1RB49 QPSK
: LTE Band 5 10M Ch20549 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1						
1	1667.00	-59.47	RMS	25.07	-23.90	0.74	-95.23	33.85	-13.00	-46.47	Vertical
2	2500.00	-54.25	RMS	27.70	-22.25	0.50	-95.23	35.03	-13.00	-41.25	Vertical
3	3334.00	-54.15	RMS	29.60	-20.72	0.40	-95.23	31.80	-13.00	-41.15	Vertical

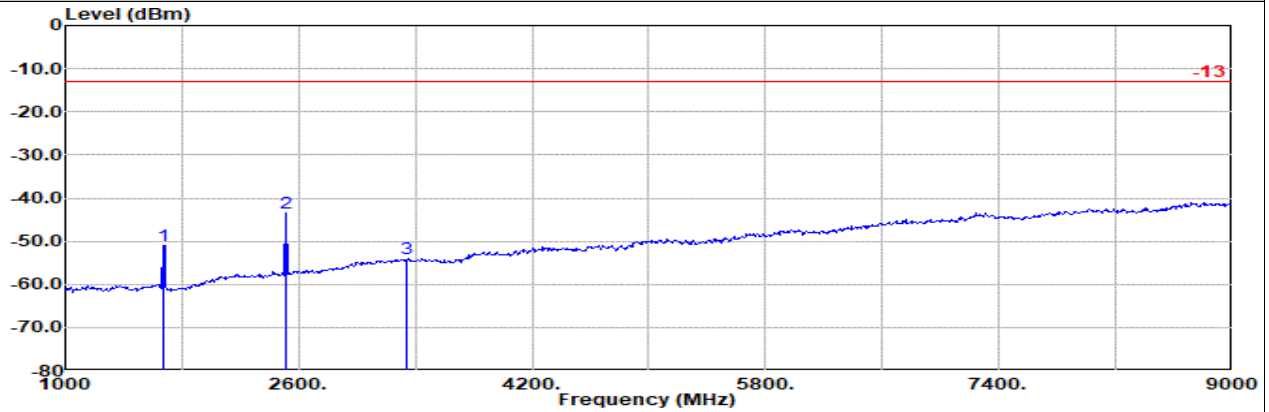


Main Antenna

Part 22H Mode 4

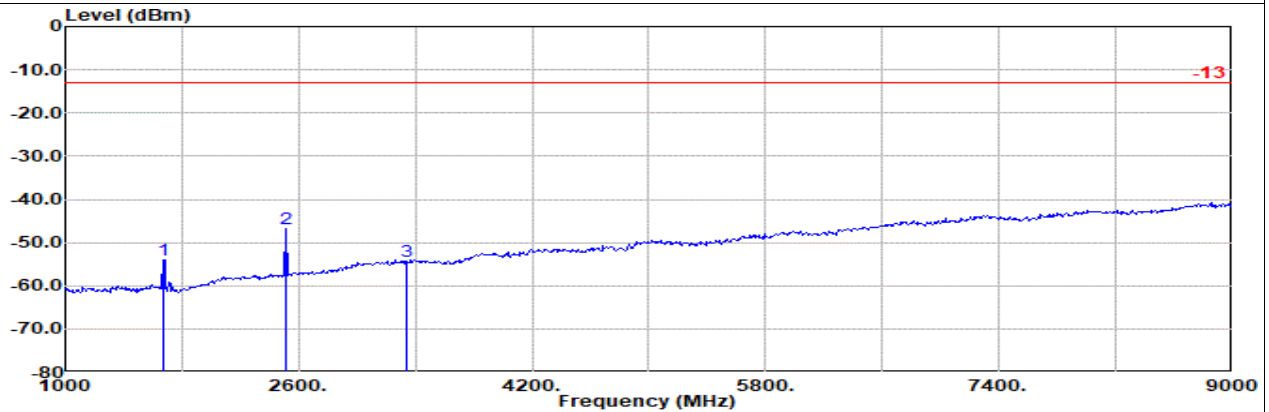
LTE CA B5B Ch20476 + Ch20575

M



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Horizontal
: LTE Band 5 10M Ch20476 1RB49 QPSK
: LTE Band 5 10M Ch20575 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1						
				dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1672.00	-51.03	RMS	25.10	-23.89	0.74	-95.23	42.25	-13.00	-38.03	Horizontal
2	2508.00	-43.50	RMS	27.70	-22.23	0.50	-95.23	45.76	-13.00	-30.50	Horizontal
3	3344.00	-54.00	RMS	29.60	-20.71	0.40	-95.23	31.94	-13.00	-41.00	Horizontal



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Vertical
: LTE Band 5 10M Ch20476 1RB49 QPSK
: LTE Band 5 10M Ch20575 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1						
				dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1672.00	-53.95	RMS	25.10	-23.89	0.74	-95.23	39.33	-13.00	-40.95	Vertical
2	2508.00	-46.87	RMS	27.70	-22.23	0.50	-95.23	42.39	-13.00	-33.87	Vertical
3	3344.00	-54.22	RMS	29.60	-20.71	0.40	-95.23	31.72	-13.00	-41.22	Vertical

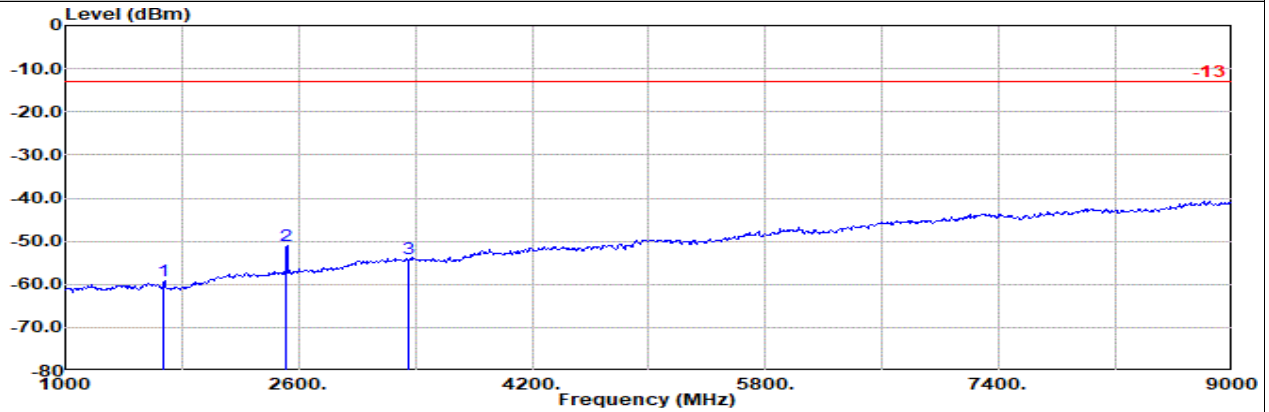


Main Antenna

Part 22H Mode 4

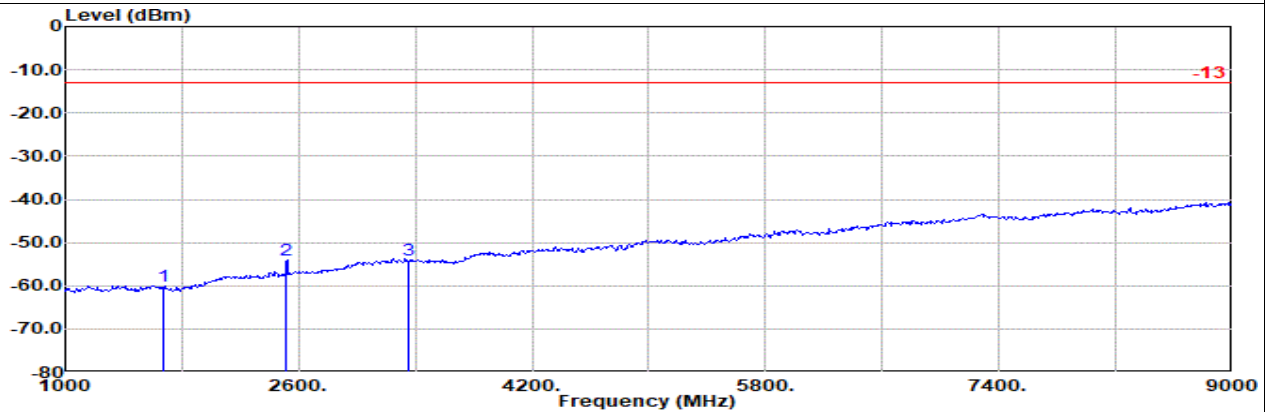
LTE CA B5B Ch20501 + Ch20600

H



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Horizontal
: LTE Band 5 10M Ch20501 1RB49 QPSK
: LTE Band 5 10M Ch20600 1RB0 QPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	1677.00	-59.25 RMS	25.10	-23.88	0.73	-95.23	34.03	-13.00	-46.25	Horizontal
2	2516.00	-50.96 RMS	27.76	-22.22	0.49	-95.23	38.24	-13.00	-37.96	Horizontal
3	3354.00	-54.17 RMS	29.59	-20.69	0.40	-95.23	31.76	-13.00	-41.17	Horizontal



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Vertical
: LTE Band 5 10M Ch20501 1RB49 QPSK
: LTE Band 5 10M Ch20600 1RB0 QPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	1677.00	-60.13 RMS	25.10	-23.88	0.73	-95.23	33.15	-13.00	-47.13	Vertical
2	2516.00	-53.95 RMS	27.76	-22.22	0.49	-95.23	35.25	-13.00	-40.95	Vertical
3	3354.00	-53.90 RMS	29.59	-20.69	0.40	-95.23	32.03	-13.00	-40.90	Vertical

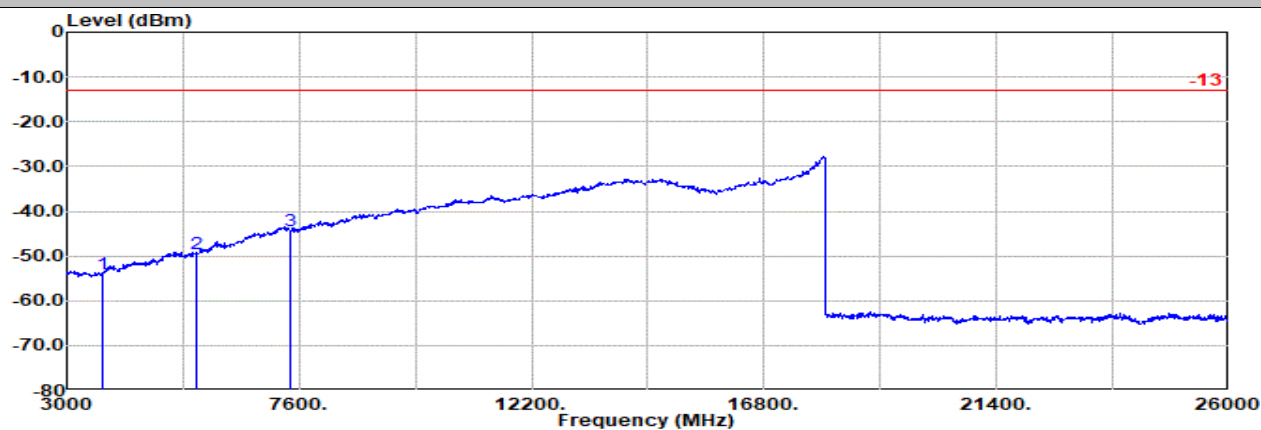


Main Antenna

Part 24E Mode 2

LTE B25 20M Ch26140 1RB0 QPSK

L

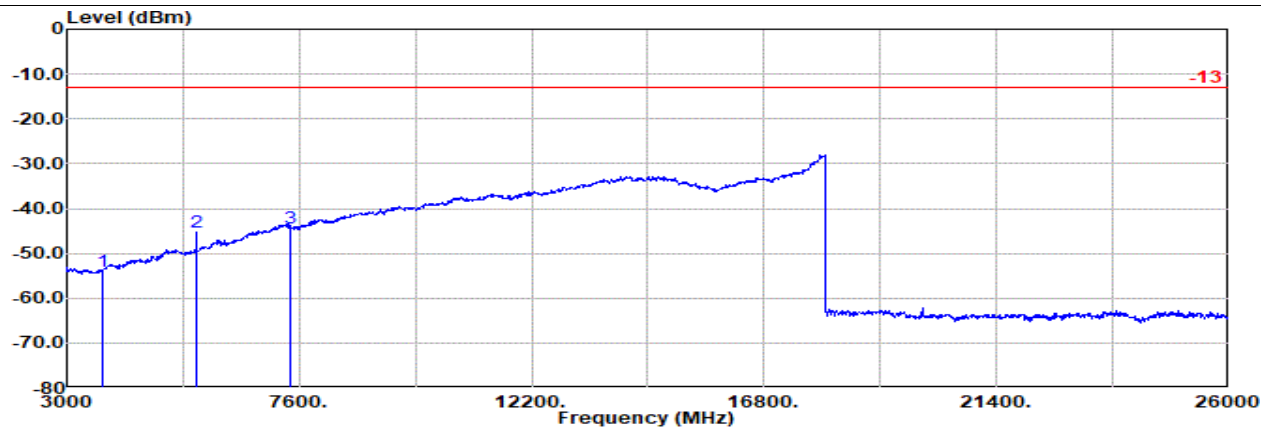


Site : 03CH16-HY

Condition: -13 1m SHF_00993_231124 Horizontal

: LTE Band 25 20M Ch 26140 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3705.00	-53.99	RMS	29.63	-20.12	0.81	-95.23	30.92	-13.00	-40.99	Horizontal
2	5565.00	-49.44	RMS	32.80	-17.56	0.39	-95.23	30.16	-13.00	-36.44	Horizontal
3	7410.00	-44.43	RMS	36.38	-16.79	0.38	-95.23	30.83	-13.00	-31.43	Horizontal



Site : 03CH16-HY

Condition: -13 1m SHF_00993_231124 Vertical

: LTE Band 25 20M Ch 26140 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	3705.00	-53.95	RMS	29.63	-20.12	0.81	-95.23	30.96	-13.00	-40.95	Vertical
2	5565.00	-45.15	RMS	32.80	-17.56	0.39	-95.23	34.45	-13.00	-32.15	Vertical
3	7410.00	-44.41	RMS	36.38	-16.79	0.38	-95.23	30.85	-13.00	-31.41	Vertical

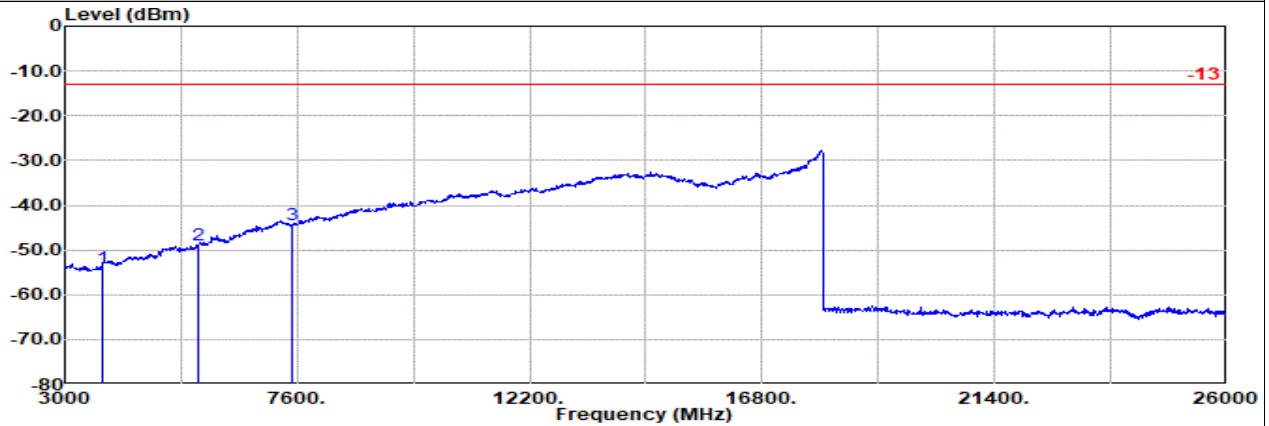


Main Antenna

Part 24E Mode 2

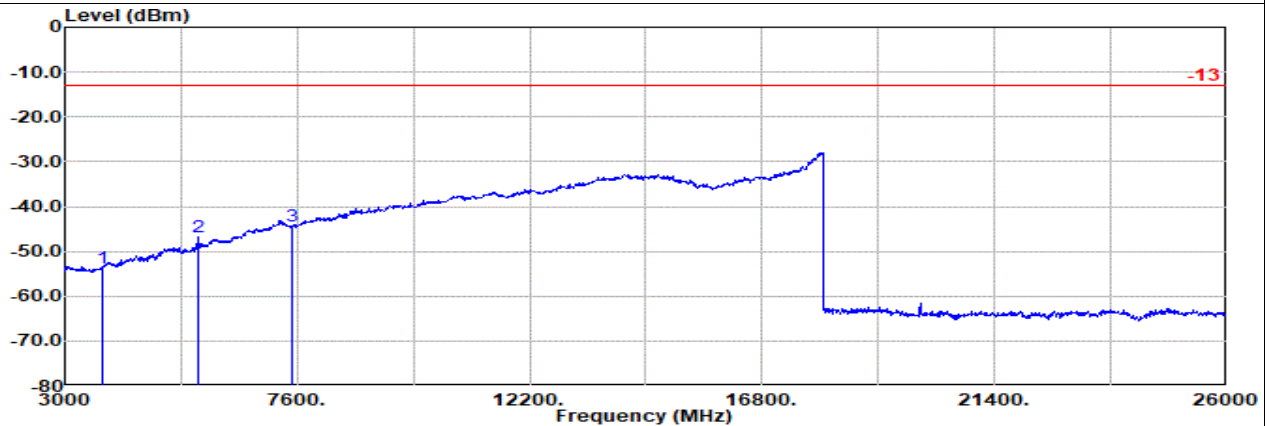
LTE B25 20M Ch26340 1RB0 QPSK

M



Site : 03CH16-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 25 20M Ch 26340 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter 1	EIRPCF	Readin g	Limit dBm	Margin dB	Pol
				Factor	dB						
1	3735.00	-53.96	RMS	29.81	-20.02	0.78	-95.23	30.70	-13.00	-40.96	Horizontal
2	5625.00	-48.94	RMS	32.90	-17.50	0.39	-95.23	30.50	-13.00	-35.94	Horizontal
3	7485.00	-44.38	RMS	36.23	-16.78	0.44	-95.23	30.96	-13.00	-31.38	Horizontal



Site : 03CH16-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 25 20M Ch 26340 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter 1	EIRPCF	Readin g	Limit dBm	Margin dB	Pol
				Factor	dB						
1	3735.00	-53.81	RMS	29.81	-20.02	0.78	-95.23	30.85	-13.00	-40.81	Vertical
2	5625.00	-46.69	RMS	32.90	-17.50	0.39	-95.23	32.75	-13.00	-33.69	Vertical
3	7485.00	-44.28	RMS	36.23	-16.78	0.44	-95.23	31.06	-13.00	-31.28	Vertical

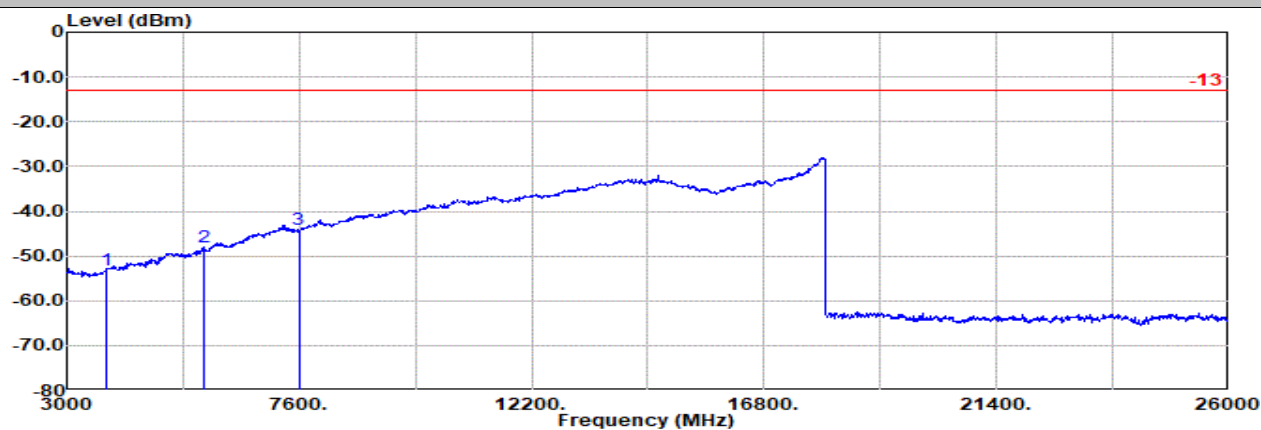


Main Antenna

Part 24E Mode 2

LTE B25 20M Ch26590 1RB0 QPSK

H

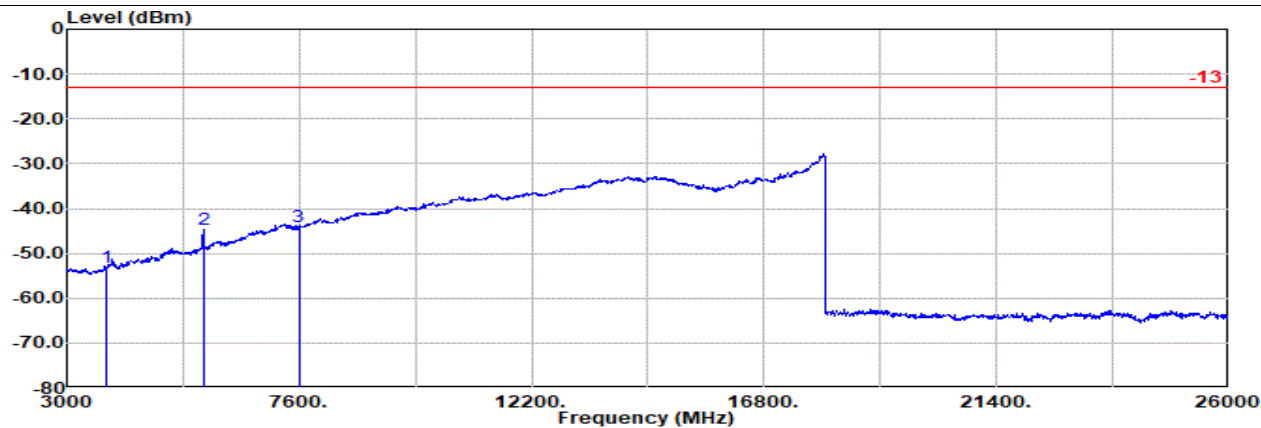


Site : 03CH16-HY

Condition: -13 1m SHF_00993_231124 Horizontal

: LTE Band 25 20M Ch 26590 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3795.00	-53.24	RMS	30.26	-19.83	0.72	-95.23	30.84	-13.00	-40.24	Horizontal
2	5700.00	-47.99	RMS	33.40	-17.46	0.40	-95.23	30.90	-13.00	-34.99	Horizontal
3	7590.00	-44.19	RMS	36.08	-16.61	0.53	-95.23	31.04	-13.00	-31.19	Horizontal



Site : 03CH16-HY

Condition: -13 1m SHF_00993_231124 Vertical

: LTE Band 25 20M Ch 26590 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3795.00	-53.08	RMS	30.26	-19.83	0.72	-95.23	31.00	-13.00	-40.08	Vertical
2	5700.00	-44.65	RMS	33.40	-17.46	0.40	-95.23	34.24	-13.00	-31.65	Vertical
3	7590.00	-44.17	RMS	36.08	-16.61	0.53	-95.23	31.06	-13.00	-31.17	Vertical

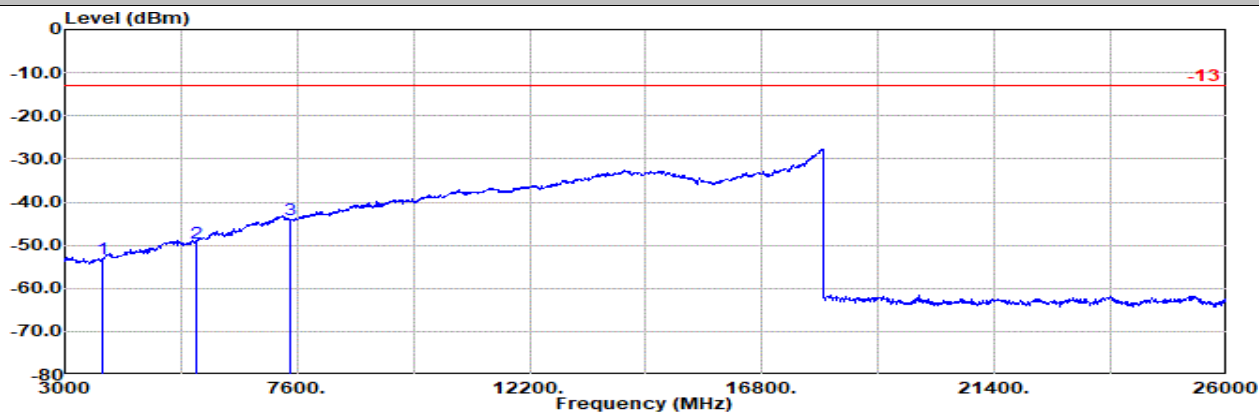


Main Antenna

Part 24E Mode 3

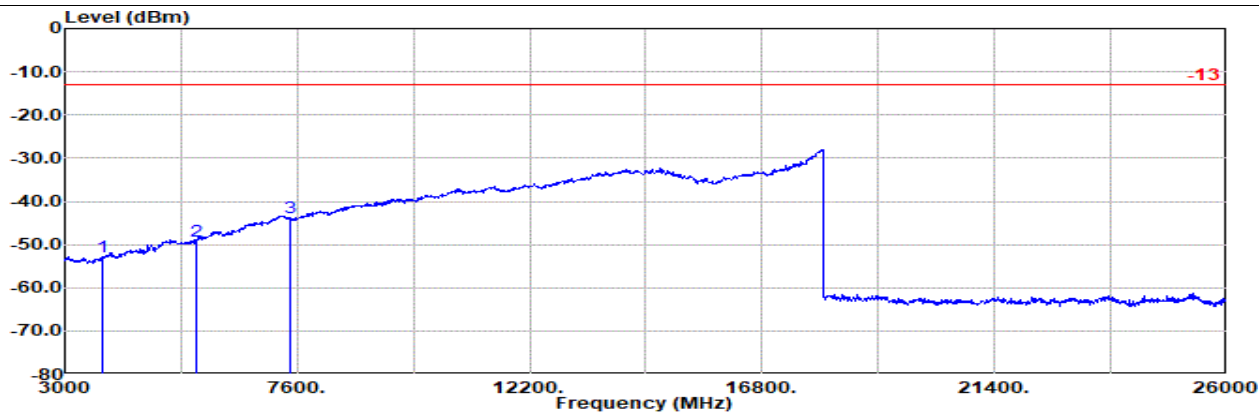
LTE CA B2C 20M + 20M Ch18700 1RB99 QPSK + Ch18898 1RB0 QPSK

L



Site : 03CH16-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 2 20M Ch18700 1RB99 QPSK
: LTE Band 2 20M Ch18898 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	3738.00	-53.15	RMS	29.83	-20.01	0.78 -95.23	31.48	-13.00	-40.15	Horizontal
2	5607.00	-49.49	RMS	32.83	-17.52	0.39 -95.23	30.04	-13.00	-36.49	Horizontal
3	7476.00	-44.05	RMS	36.25	-16.78	0.43 -95.23	31.28	-13.00	-31.05	Horizontal



Site : 03CH16-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 2 20M Ch18700 1RB99 QPSK
: LTE Band 2 20M Ch18898 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	3738.00	-52.77	RMS	29.83	-20.01	0.78 -95.23	31.86	-13.00	-39.77	Vertical
2	5607.00	-49.33	RMS	32.83	-17.52	0.39 -95.23	30.20	-13.00	-36.33	Vertical
3	7476.00	-43.89	RMS	36.25	-16.78	0.43 -95.23	31.44	-13.00	-30.89	Vertical

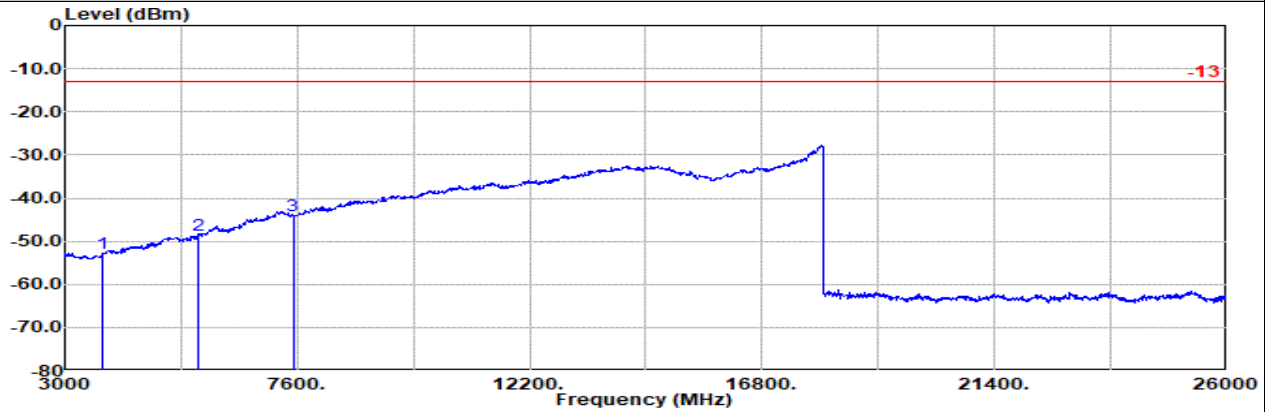


Main Antenna

Part 24E Mode 3

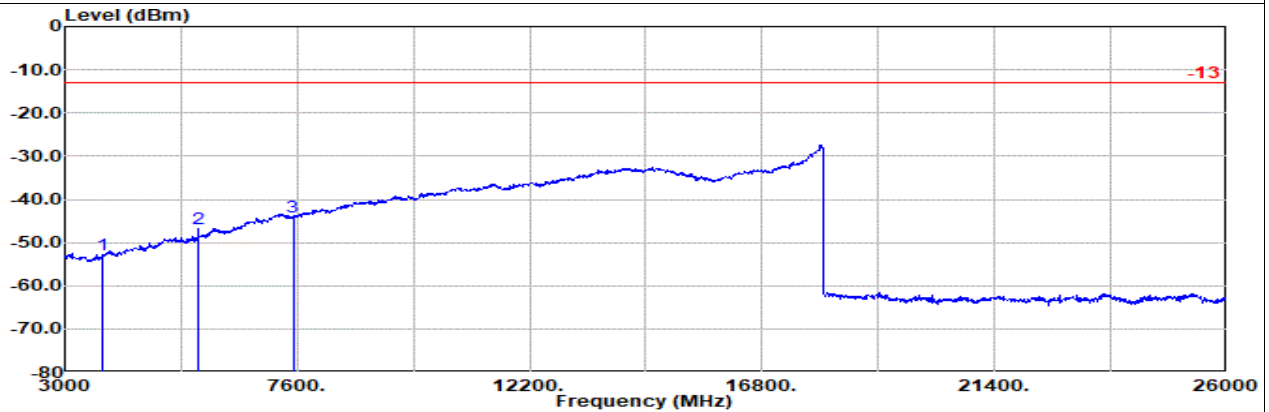
LTE CA B2C 20M + 20M Ch18801 1RB99 QPSK + Ch18999 1RB0 QPSK

M



Site : 03CH16-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 2 20M Ch18801 1RB99 QPSK
: LTE Band 2 20M Ch18999 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin	Pol
				Factor	1					
1	3758.00	-52.72	RMS	29.96	-19.95	0.76	-95.23	31.74	-13.00	-39.72 Horizontal
2	5637.00	-48.64	RMS	32.95	-17.50	0.39	-95.23	30.75	-13.00	-35.64 Horizontal
3	7516.00	-44.09	RMS	36.14	-16.75	0.47	-95.23	31.28	-13.00	-31.09 Horizontal



Site : 03CH16-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 2 20M Ch18801 1RB99 QPSK
: LTE Band 2 20M Ch18999 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin	Pol
				Factor	1					
1	3758.00	-52.94	RMS	29.96	-19.95	0.76	-95.23	31.52	-13.00	-39.94 Vertical
2	5637.00	-46.71	RMS	32.95	-17.50	0.39	-95.23	32.68	-13.00	-33.71 Vertical
3	7516.00	-44.09	RMS	36.14	-16.75	0.47	-95.23	31.28	-13.00	-31.09 Vertical

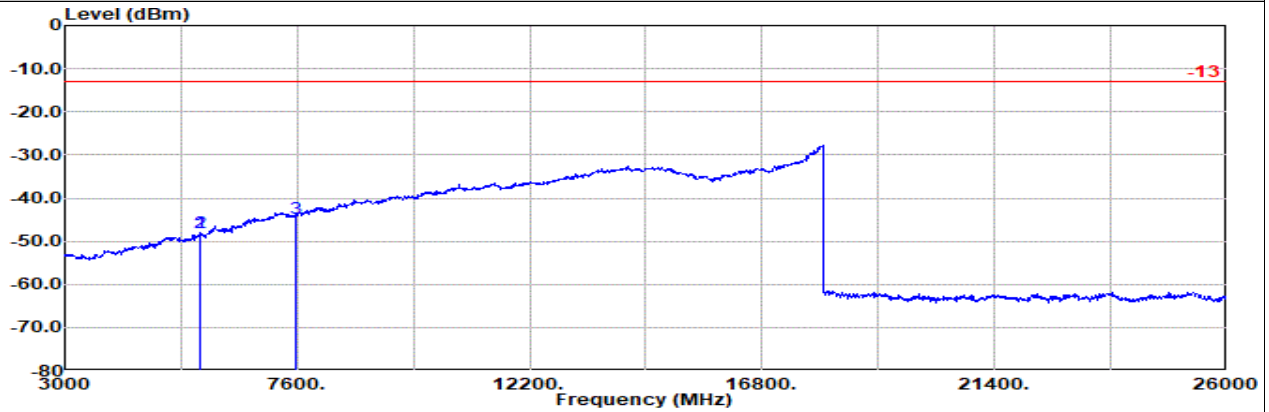


Main Antenna

Part 24E Mode 3

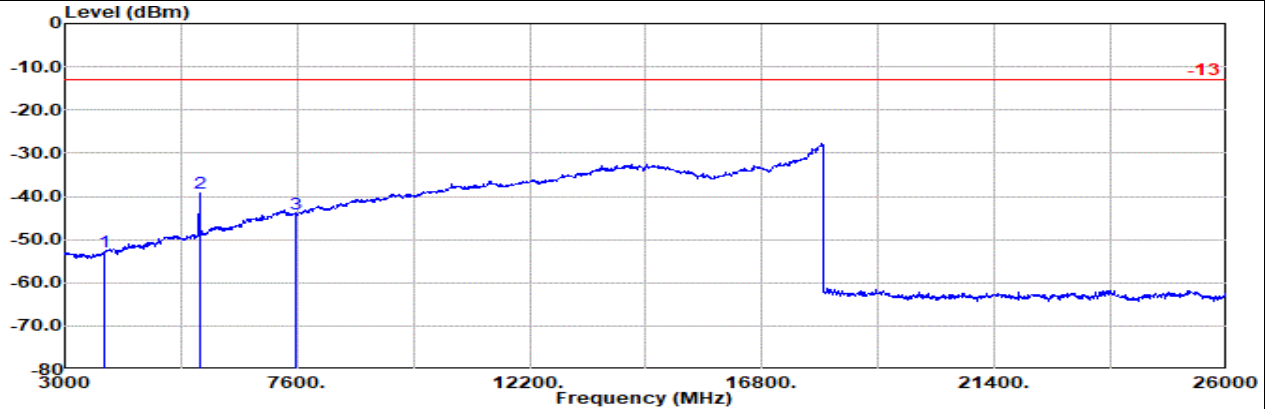
LTE CA B2C 20M + 20M Ch18902 1RB99 QPSK + Ch19100 1RB0 QPSK

H



Site : 03CH16-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
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	5667.00	-47.91	RMS	33.14	-17.48	0.39	-95.23	31.27	-13.00	-34.91
2	5667.00	-47.91	RMS	33.14	-17.48	0.39	-95.23	31.27	-13.00	-34.91
3	7556.00	-44.59	RMS	36.01	-16.68	0.50	-95.23	30.81	-13.00	-31.59



Site : 03CH16-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
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3778.00	-52.75	RMS	30.12	-19.88	0.74	-95.23	31.50	-13.00	-39.75
2	5667.00	-39.15	RMS	33.14	-17.48	0.39	-95.23	40.03	-13.00	-26.15
3	7556.00	-43.97	RMS	36.02	-16.67	0.51	-95.23	31.40	-13.00	-30.97

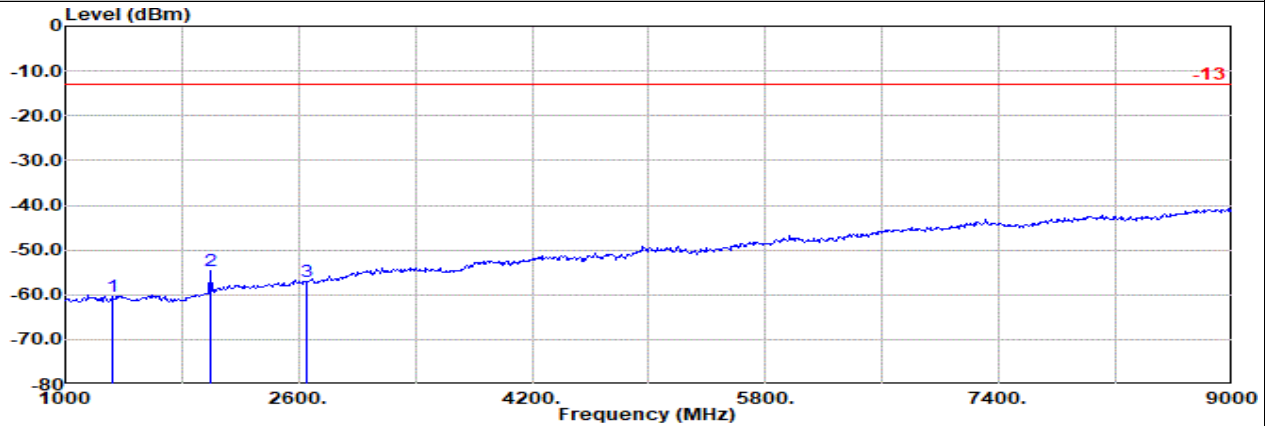


Main Antenna

Part 27N Mode 1

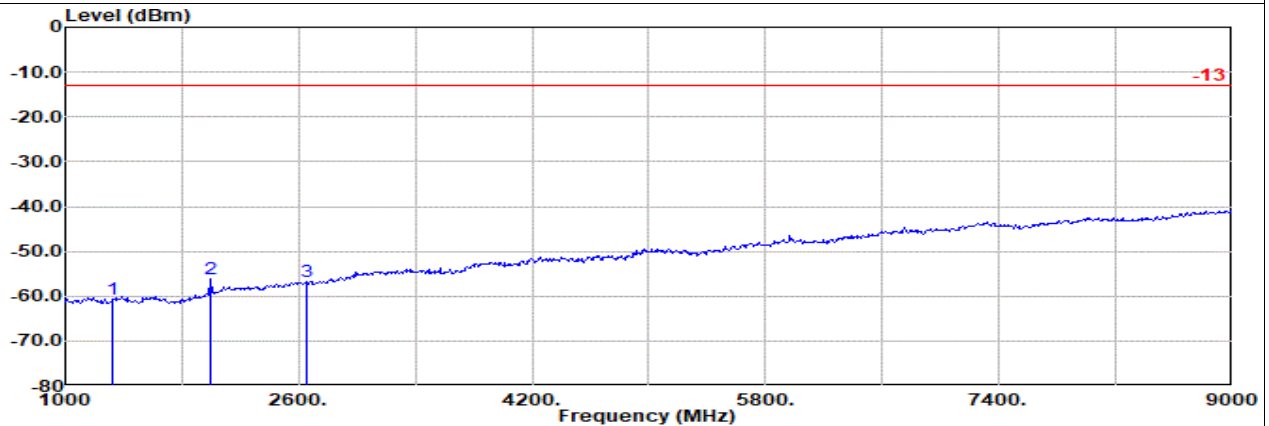
LTE B71 20M Ch133222 1RB0 QPSK

L



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Horizontal
: LTE Band 71 20M Ch133222 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1328.00	-60.40	RMS	25.62	-25.58	1.12	-95.23	33.67	-13.00	-47.40	Horizontal
2	1992.00	-54.78	RMS	26.50	-23.00	0.63	-95.23	36.32	-13.00	-41.78	Horizontal
3	2656.00	-57.00	RMS	28.10	-21.94	0.45	-95.23	31.62	-13.00	-44.00	Horizontal



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Vertical
: LTE Band 71 20M Ch133222 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1328.00	-60.57	RMS	25.62	-25.58	1.12	-95.23	33.50	-13.00	-47.57	Vertical
2	1992.00	-56.21	RMS	26.50	-23.00	0.63	-95.23	34.89	-13.00	-43.21	Vertical
3	2656.00	-56.79	RMS	28.10	-21.94	0.45	-95.23	31.83	-13.00	-43.79	Vertical

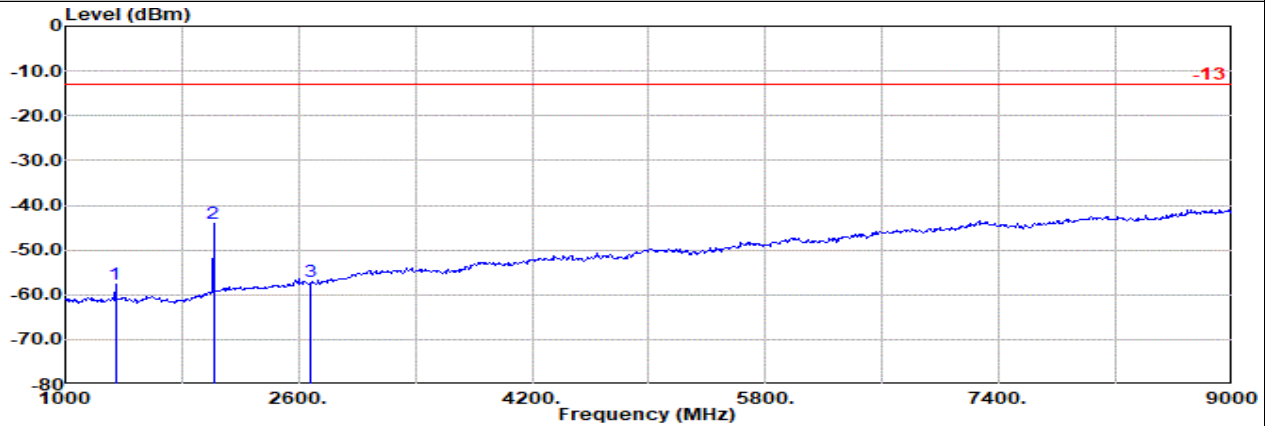


Main Antenna

Part 27N Mode 1

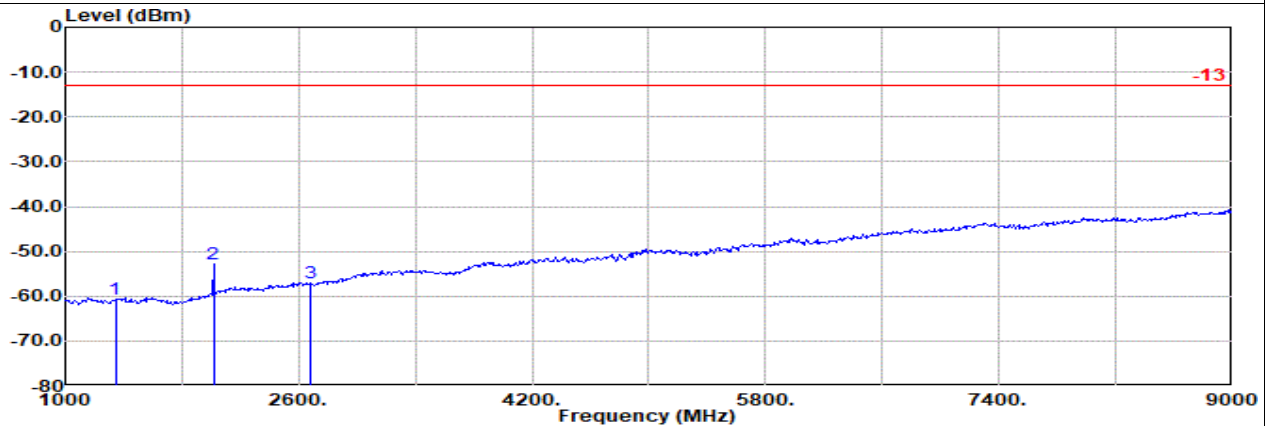
LTE B71 20M Ch133297 1RB0 QPSK

M



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Horizontal
: LTE Band 71 20M Ch133297 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	1343.00	-57.66	RMS	25.60	-25.48	1.12	-95.23	36.33	-13.00	-44.66	Horizontal
2	2015.00	-43.95	RMS	26.60	-22.95	0.63	-95.23	47.00	-13.00	-30.95	Horizontal
3	2686.00	-57.10	RMS	28.18	-21.89	0.44	-95.23	31.40	-13.00	-44.10	Horizontal



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Vertical
: LTE Band 71 20M Ch133297 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	1343.00	-60.55	RMS	25.60	-25.48	1.12	-95.23	33.44	-13.00	-47.55	Vertical
2	2015.00	-52.90	RMS	26.60	-22.95	0.63	-95.23	38.05	-13.00	-39.90	Vertical
3	2686.00	-57.09	RMS	28.18	-21.89	0.44	-95.23	31.41	-13.00	-44.09	Vertical

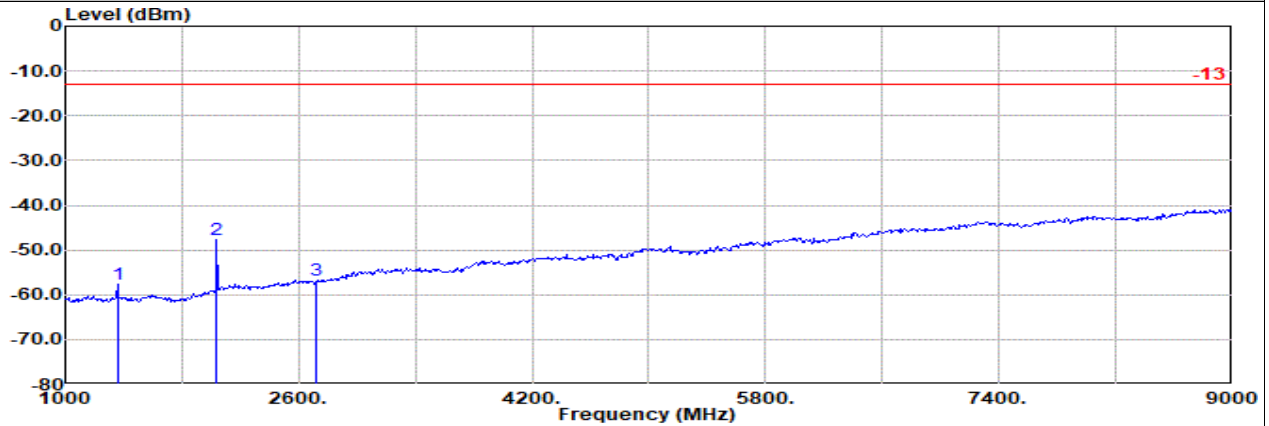


Main Antenna

Part 27N Mode 1

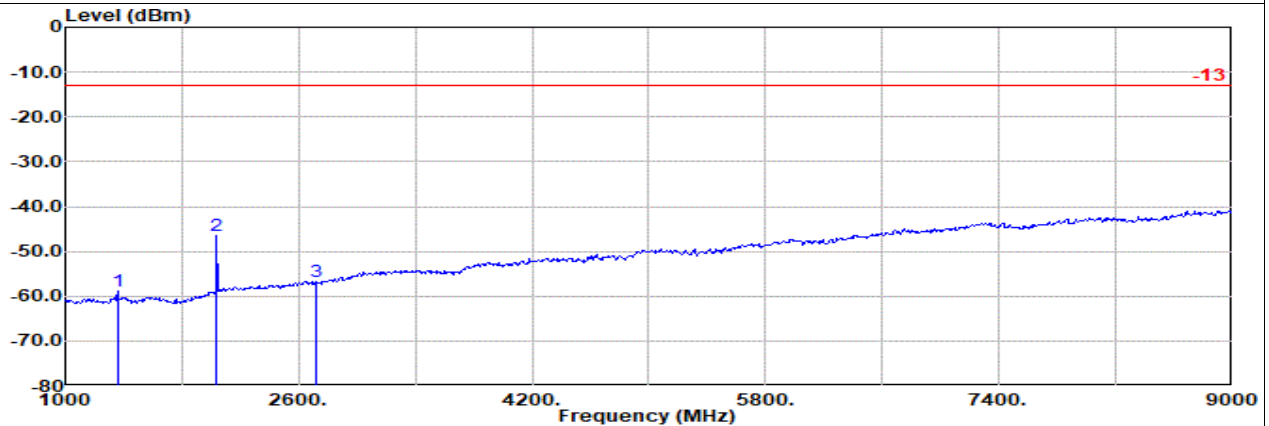
LTE B71 20M Ch133372 1RB0 QPSK

H



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Horizontal
: LTE Band 71 20M Ch133372 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	Amp\Cb dB						
1	1358.00	-57.78	RMS	25.52	-25.38	1.12	-95.23	36.19	-13.00	-44.78	Horizontal
2	2037.00	-47.64	RMS	26.97	-22.91	0.64	-95.23	42.89	-13.00	-34.64	Horizontal
3	2716.00	-56.88	RMS	28.26	-21.83	0.43	-95.23	31.49	-13.00	-43.88	Horizontal



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Vertical
: LTE Band 71 20M Ch133372 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	Amp\Cb dB						
1	1358.00	-58.78	RMS	25.52	-25.38	1.12	-95.23	35.19	-13.00	-45.78	Vertical
2	2037.00	-46.59	RMS	26.97	-22.91	0.64	-95.23	43.94	-13.00	-33.59	Vertical
3	2716.00	-56.85	RMS	28.26	-21.83	0.43	-95.23	31.52	-13.00	-43.85	Vertical

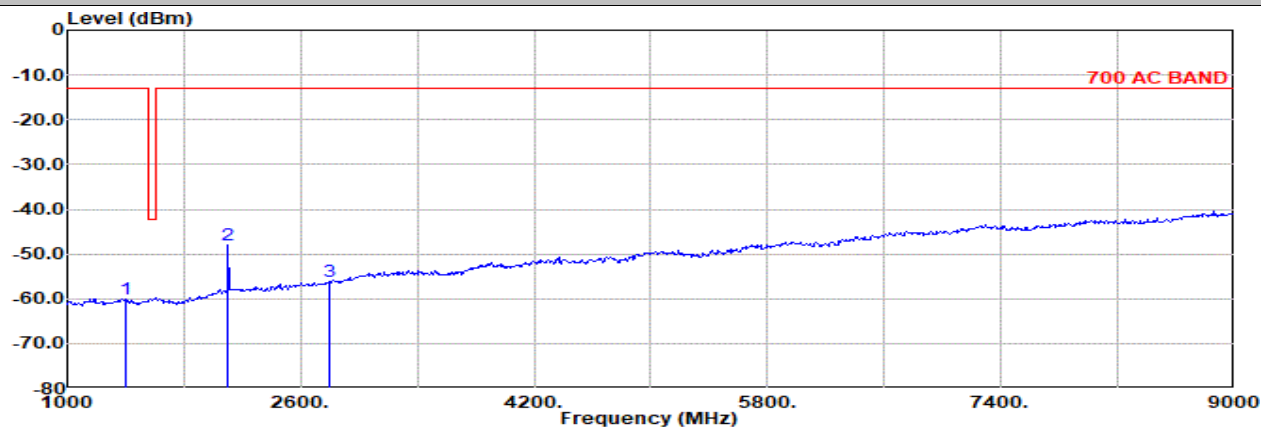


Main Antenna

Part 27H Mode 1

LTE B12 10M Ch23060 1RB0 QPSK

L

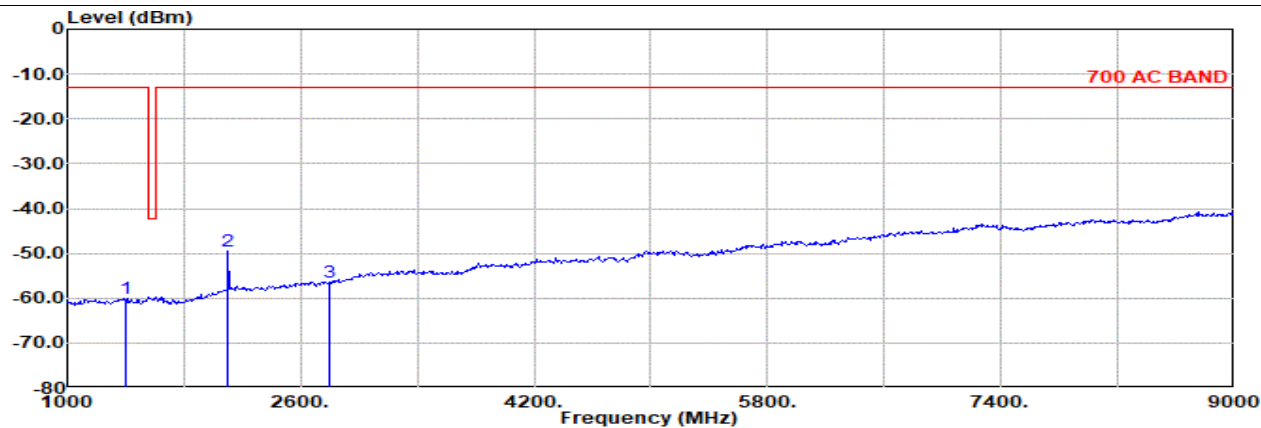


Site : 03CH16-HY

Condition: 700 AC BAND 3m 9120D-1522_240328 Horizontal

: LTE Band 12 10M Ch23060 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	dB/m	dB	dB	dBuV	dBm	dB	
1	1399.00	-60.13	RMS	25.42	-25.11	1.11	-95.23	33.68	-13.00	-47.13	Horizontal
2	2099.00	-48.13	RMS	27.10	-22.80	0.65	-95.23	42.15	-13.00	-35.13	Horizontal
3	2798.00	-56.25	RMS	28.40	-21.69	0.41	-95.23	31.86	-13.00	-43.25	Horizontal



Site : 03CH16-HY

Condition: 700 AC BAND 3m 9120D-1522_240328 Vertical

: LTE Band 12 10M Ch23060 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	dB/m	dB	dB	dBuV	dBm	dB	
1	1399.00	-60.20	RMS	25.42	-25.11	1.11	-95.23	33.61	-13.00	-47.20	Vertical
2	2099.00	-49.61	RMS	27.10	-22.80	0.65	-95.23	40.67	-13.00	-36.61	Vertical
3	2798.00	-56.54	RMS	28.40	-21.69	0.41	-95.23	31.57	-13.00	-43.54	Vertical

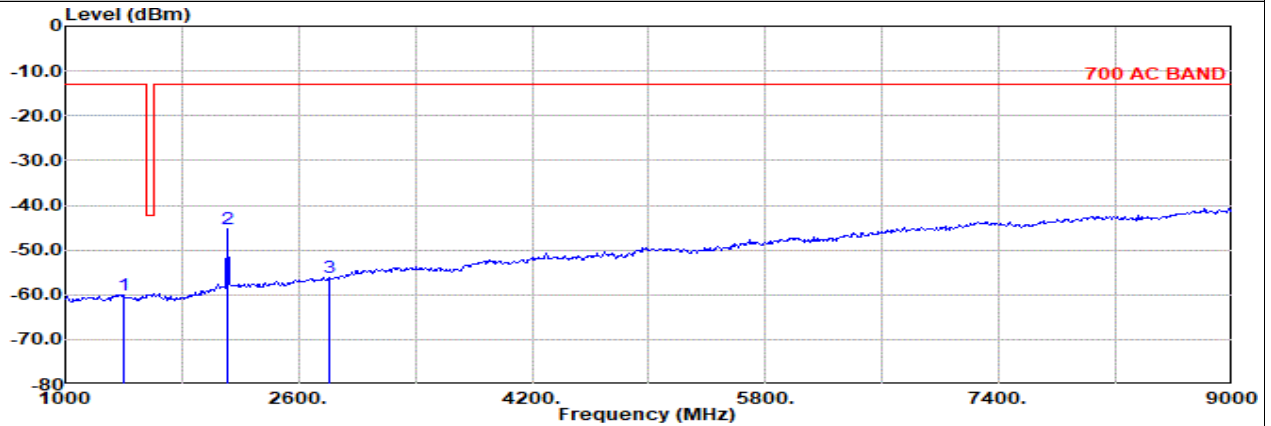


Main Antenna

Part 27H Mode 1

LTE B12 10M Ch23095 1RB0 QPSK

M

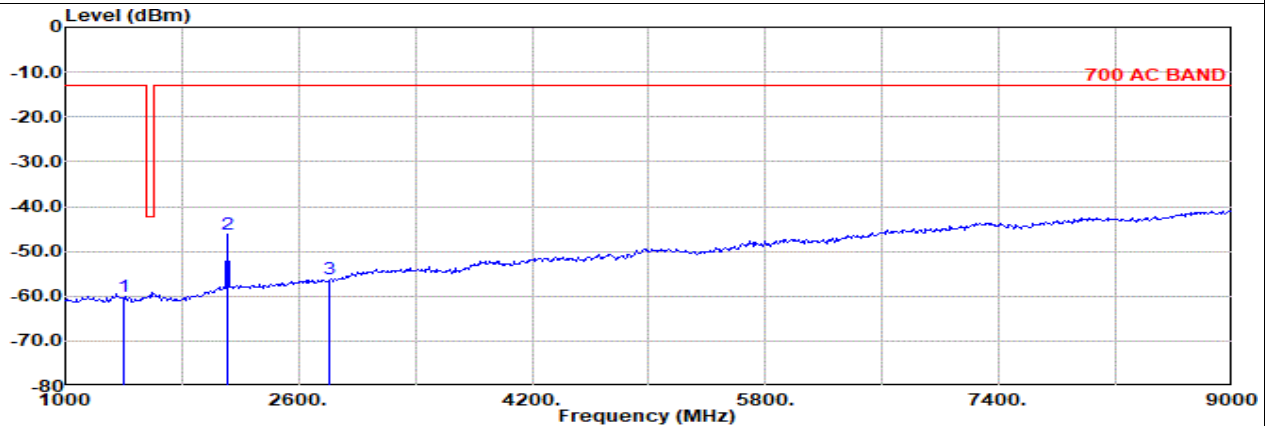


Site : 03CH16-HY

Condition: 700 AC BAND 3m 9120D-1522_240328 Horizontal

: LTE Band 12 10M Ch23095 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	1406.00	-60.03	RMS	25.34	-25.07	1.10	-95.23	33.83	-13.00	-47.03	Horizontal
2	2109.00	-45.15	RMS	27.28	-22.78	0.65	-95.23	44.93	-13.00	-32.15	Horizontal
3	2812.00	-56.17	RMS	28.40	-21.66	0.41	-95.23	31.91	-13.00	-43.17	Horizontal



Site : 03CH16-HY

Condition: 700 AC BAND 3m 9120D-1522_240328 Vertical

: LTE Band 12 10M Ch23095 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	1406.00	-60.22	RMS	25.34	-25.07	1.10	-95.23	33.64	-13.00	-47.22	Vertical
2	2109.00	-46.07	RMS	27.28	-22.78	0.65	-95.23	44.01	-13.00	-33.07	Vertical
3	2812.00	-56.23	RMS	28.40	-21.66	0.41	-95.23	31.85	-13.00	-43.23	Vertical

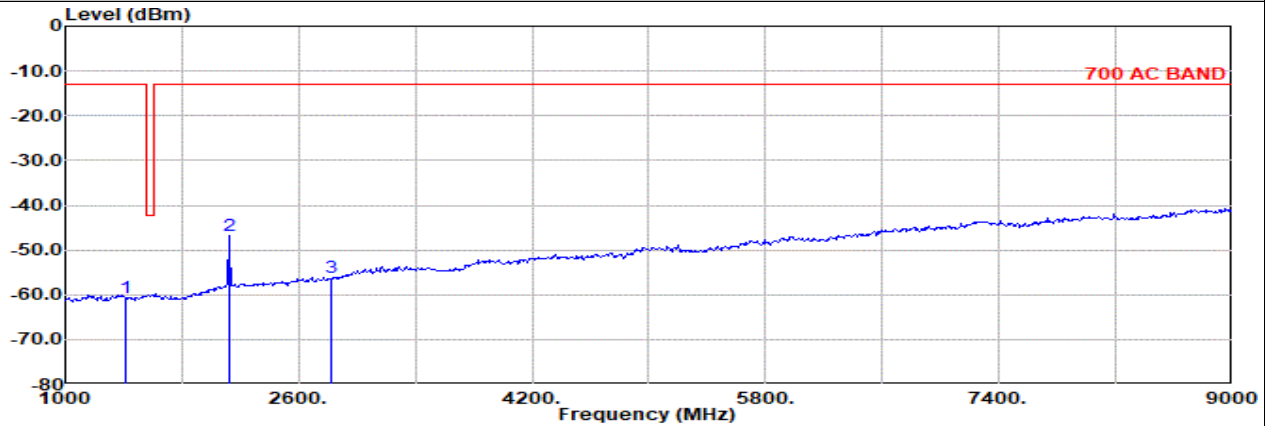


Main Antenna

Part 27H Mode 1

LTE B12 10M Ch23130 1RB0 QPSK

H

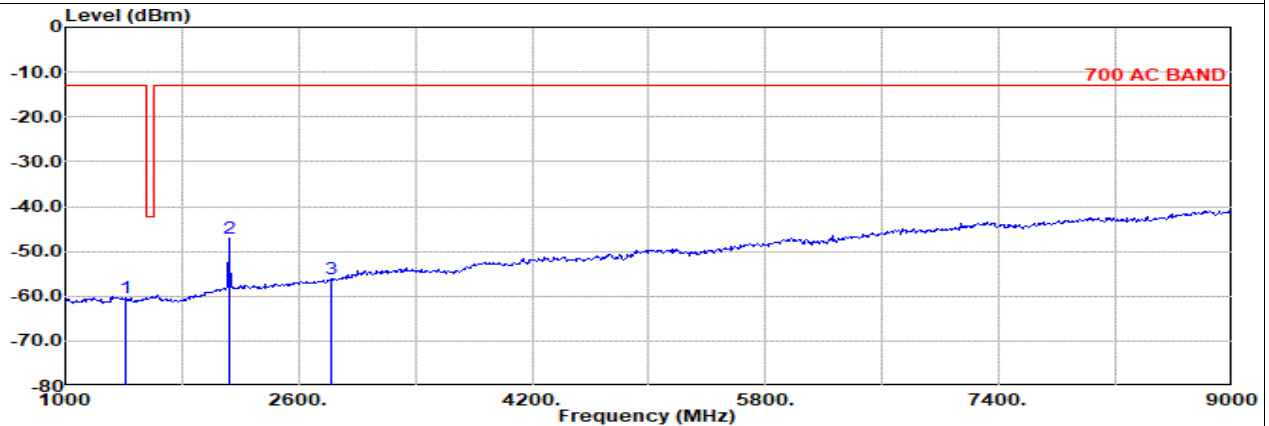


Site : 03CH16-HY

Condition: 700 AC BAND 3m 9120D-1522_240328 Horizontal

: LTE Band 12 10M Ch23130 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	Amp\Cb						
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1413.00	-60.60	RMS	25.30	-25.02	1.09	-95.23	33.26	-13.00	-47.60	Horizontal
2	2120.00	-46.79	RMS	27.40	-22.76	0.65	-95.23	43.15	-13.00	-33.79	Horizontal
3	2826.00	-56.26	RMS	28.40	-21.63	0.41	-95.23	31.79	-13.00	-43.26	Horizontal



Site : 03CH16-HY

Condition: 700 AC BAND 3m 9120D-1522_240328 Vertical

: LTE Band 12 10M Ch23130 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	Amp\Cb						
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1413.00	-60.38	RMS	25.30	-25.02	1.09	-95.23	33.48	-13.00	-47.38	Vertical
2	2120.00	-47.06	RMS	27.40	-22.76	0.65	-95.23	42.88	-13.00	-34.06	Vertical
3	2826.00	-56.19	RMS	28.40	-21.63	0.41	-95.23	31.86	-13.00	-43.19	Vertical

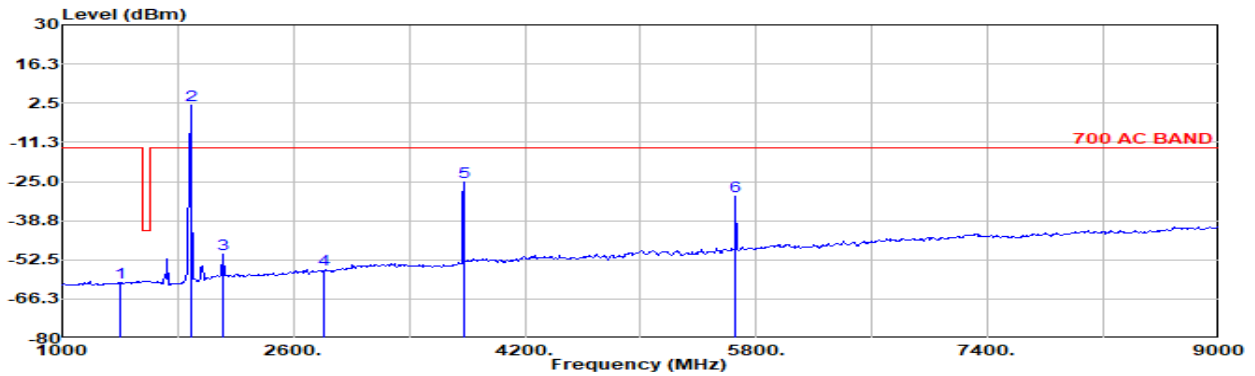


Main Antenna

Part 27H Mode 2

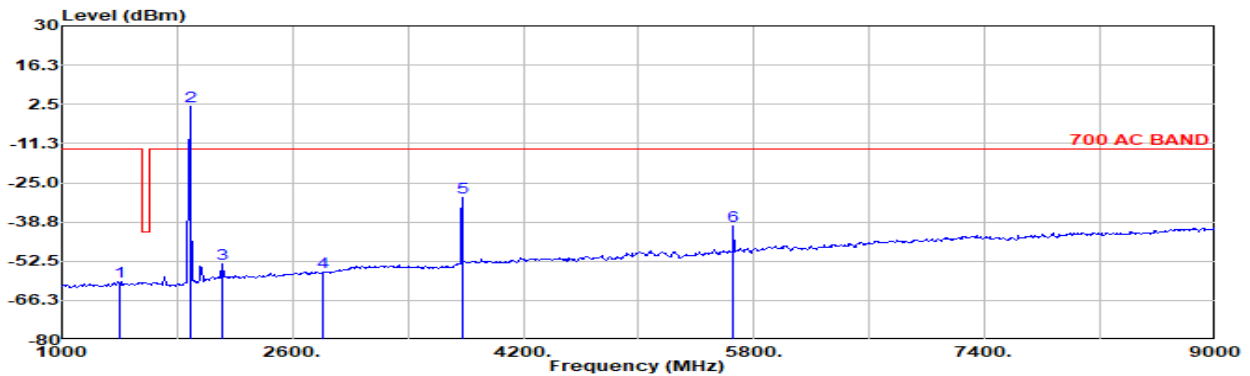
LTE CA 2A-12A Ch18900 + Ch23095

M



Site : 03CH16-HY
Condition: 700 AC BAND 3m 9120D-1522_240328 Horizontal
: LTE Band 2 10M Ch18900 1RB49 QPSK
: LTE Band 12 10M Ch23095 1RB0 QPSK

1	Freq MHz	Level dBm	Detector	Ant Factor	Amp\Cb		Filter 1	EIRPCF		Readin g	Limit	Margin	Pol
					dB/m	dB		dB	dB				
1	1406.00	-60.48	RMS	25.34	-25.07	1.10	-95.23	33.38	-13.00	-47.48	Horizontal		
2	1888.00	1.79	RMS	25.48	-23.30	0.65	-95.23	94.19	-13.00	14.79	Horizontal		
3	2109.00	-50.59	RMS	27.28	-22.78	0.65	-95.23	39.49	-13.00	-37.59	Horizontal		
4	2812.00	-55.77	RMS	28.40	-21.66	0.41	-95.23	32.31	-13.00	-42.77	Horizontal		
5	3776.00	-25.18	RMS	30.11	-19.89	0.56	-95.23	59.27	-13.00	-12.18	Horizontal		
6	5656.00	-30.30	RMS	33.05	-17.49	0.52	-95.23	48.85	-13.00	-17.30	Horizontal		



Site : 03CH16-HY
Condition: 700 AC BAND 3m 9120D-1522_240328 Vertical
: LTE Band 2 10M Ch18900 1RB49 QPSK
: LTE Band 12 10M Ch23095 1RB0 QPSK

1	Freq MHz	Level dBm	Detector	Ant Factor	Amp\Cb		Filter 1	EIRPCF		Readin g	Limit	Margin	Pol
					dB/m	dB		dB	dB				
1	1406.00	-59.63	RMS	25.34	-25.07	1.10	-95.23	34.23	-13.00	-46.63	Vertical		
2	1888.00	1.73	RMS	25.48	-23.30	0.65	-95.23	94.13	-13.00	14.73	Vertical		
3	2109.00	-53.52	RMS	27.28	-22.78	0.65	-95.23	36.56	-13.00	-40.52	Vertical		
4	2812.00	-56.16	RMS	28.40	-21.66	0.41	-95.23	31.92	-13.00	-43.16	Vertical		
5	3776.00	-30.25	RMS	30.11	-19.89	0.56	-95.23	54.20	-13.00	-17.25	Vertical		
6	5656.00	-40.35	RMS	33.05	-17.49	0.52	-95.23	38.80	-13.00	-27.35	Vertical		

Remark: The limit signal #2, #5 and #6 is fundamental signal which can be ignored.

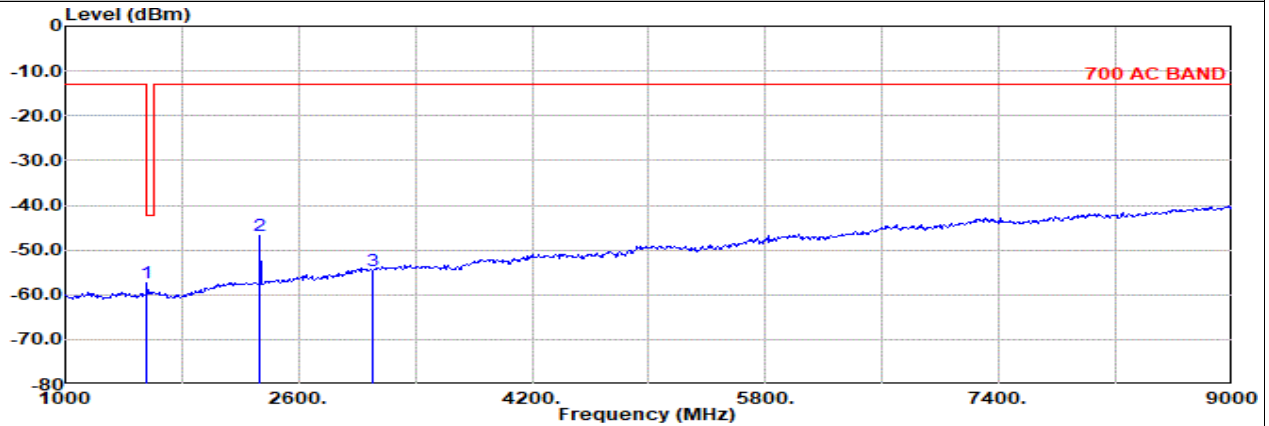


Main Antenna

Part 27F Mode 1

LTE B13 5M Ch23205 1RB0 QPSK

L

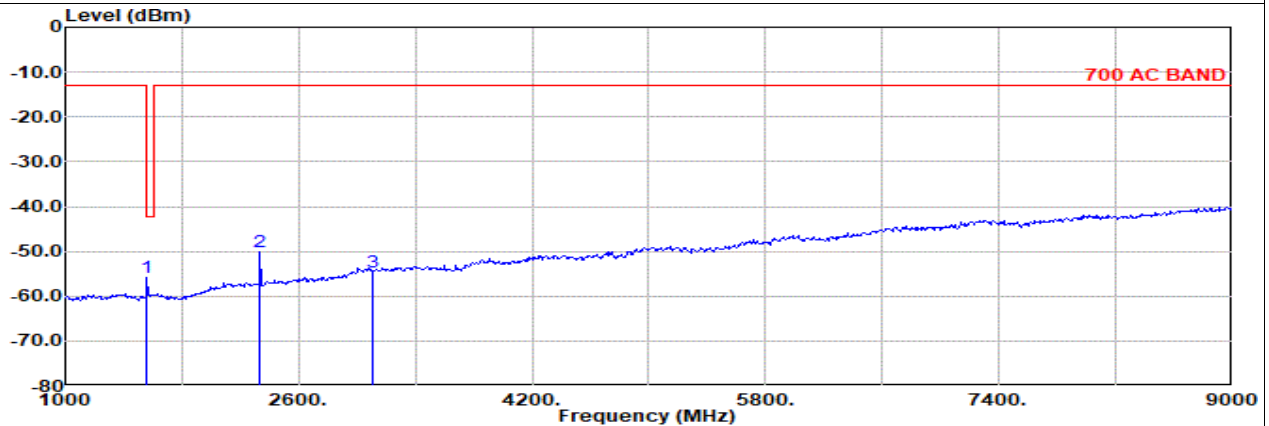


Site : 03CH16-HY

Condition: 700 AC BAND 3m 9120D-1522_240328 Horizontal

: LTE Band 13 5M Ch23205 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	1560.00	-57.48	RMS	25.30	-24.23	0.85	-95.23	35.83	-42.15	-15.33	Horizontal
2	2336.00	-46.67	RMS	27.10	-22.33	0.58	-95.23	43.21	-13.00	-33.67	Horizontal
3	3112.00	-54.66	RMS	29.62	-21.09	0.39	-95.23	31.65	-13.00	-41.66	Horizontal



Site : 03CH16-HY

Condition: 700 AC BAND 3m 9120D-1522_240328 Vertical

: LTE Band 13 5M Ch23205 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	1560.00	-55.90	RMS	25.30	-24.23	0.85	-95.23	37.41	-42.15	-13.75	Vertical
2	2336.00	-50.18	RMS	27.10	-22.33	0.58	-95.23	39.70	-13.00	-37.18	Vertical
3	3112.00	-54.62	RMS	29.62	-21.09	0.39	-95.23	31.69	-13.00	-41.62	Vertical

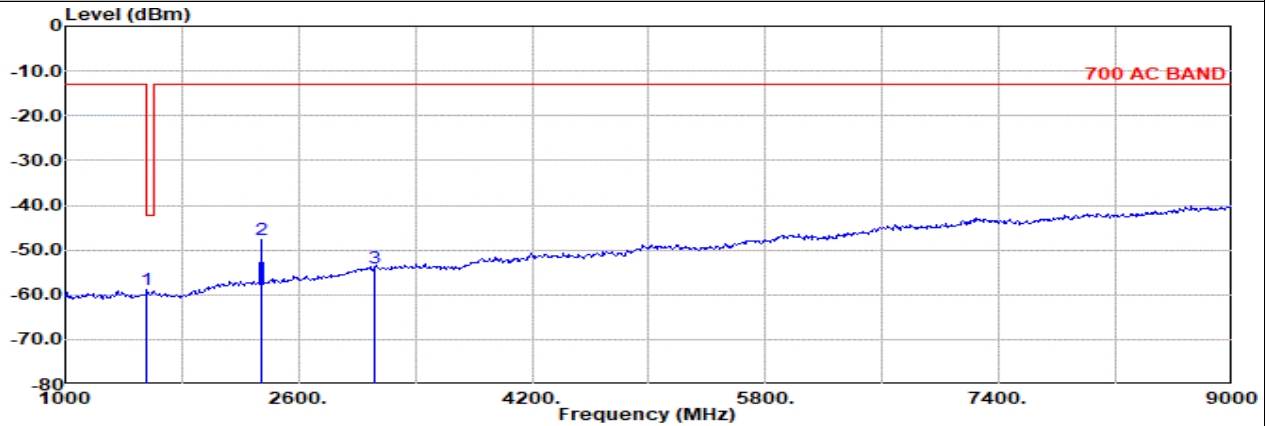


Main Antenna

Part 27F Mode 1

LTE B13 5M Ch23230 1RB0 QPSK

M

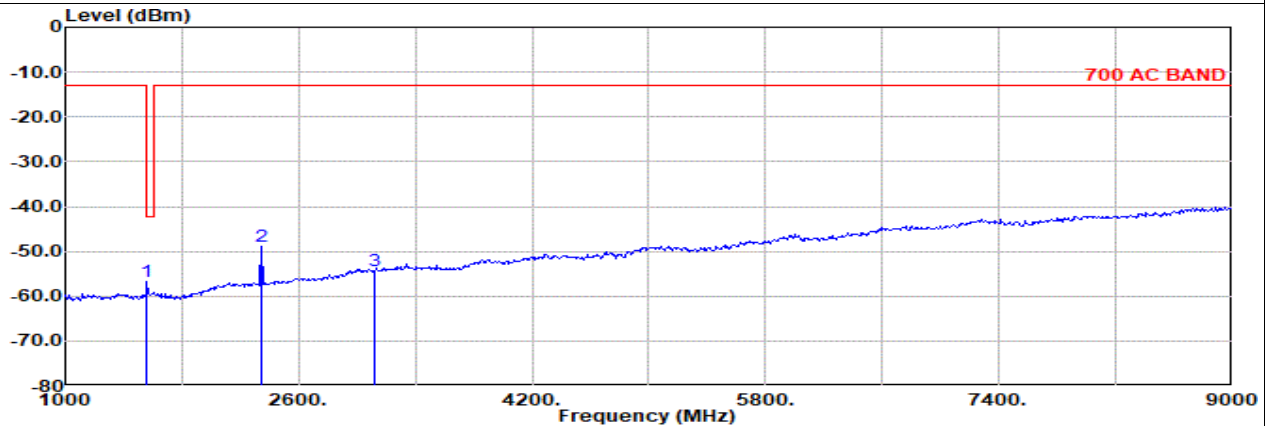


Site : 03CH16-HY

Condition: 700 AC BAND 3m 9120D-1522_240328 Horizontal

: LTE Band 13 5M Ch23230 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
				dB/m	dB	dB	dB	dBuV	dBm	dB
1	1560.00	-58.94	RMS	25.30	-24.23	0.85	-95.23	34.37	-42.15	-16.79 Horizontal
2	2344.00	-47.79	RMS	27.10	-22.31	0.58	-95.23	42.07	-13.00	-34.79 Horizontal
3	3120.00	-53.96	RMS	29.64	-21.07	0.39	-95.23	32.31	-13.00	-40.96 Horizontal



Site : 03CH16-HY

Condition: 700 AC BAND 3m 9120D-1522_240328 Vertical

: LTE Band 13 5M Ch23230 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
				dB/m	dB	dB	dB	dBuV	dBm	dB
1	1560.00	-56.83	RMS	25.30	-24.23	0.85	-95.23	36.48	-42.15	-14.68 Vertical
2	2344.00	-48.84	RMS	27.10	-22.31	0.58	-95.23	41.02	-13.00	-35.84 Vertical
3	3120.00	-54.33	RMS	29.64	-21.07	0.39	-95.23	31.94	-13.00	-41.33 Vertical

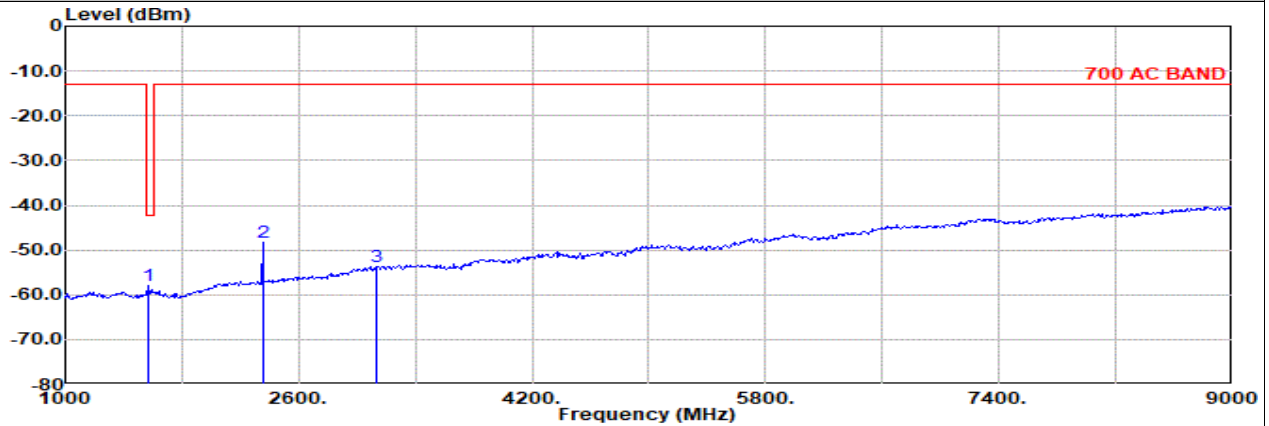


Main Antenna

Part 27F Mode 1

LTE B13 5M Ch23255 1RB0 QPSK

H

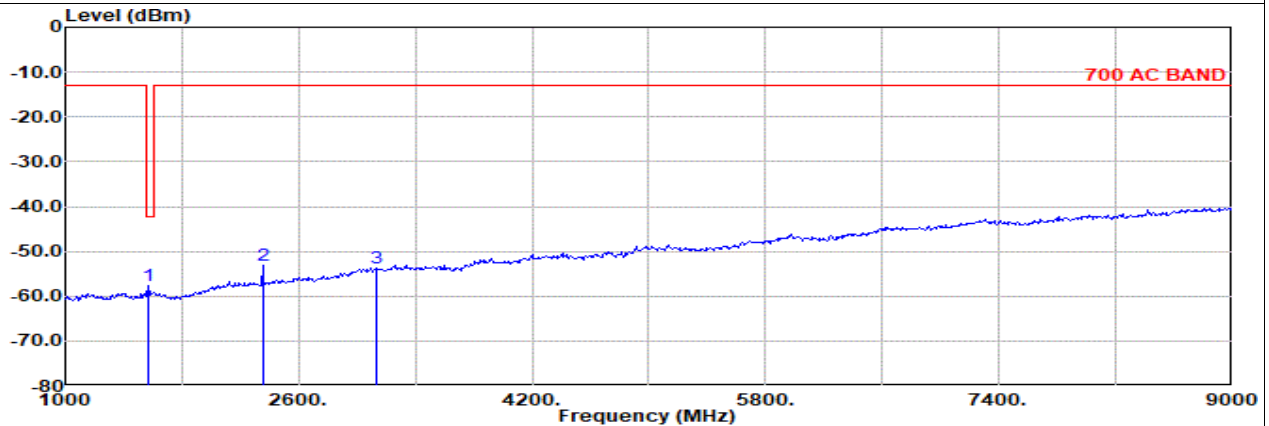


Site : 03CH16-HY

Condition: 700 AC BAND 3m 9120D-1522_240328 Horizontal

: LTE Band 13 5M Ch23255 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	1568.00	-58.07	RMS	25.30	-24.20	0.83	-95.23	35.23	-42.15	-15.92	Horizontal
2	2352.00	-48.17	RMS	27.12	-22.30	0.57	-95.23	41.67	-13.00	-35.17	Horizontal
3	3128.00	-53.80	RMS	29.66	-21.06	0.39	-95.23	32.44	-13.00	-40.80	Horizontal



Site : 03CH16-HY

Condition: 700 AC BAND 3m 9120D-1522_240328 Vertical

: LTE Band 13 5M Ch23255 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	1568.00	-57.52	RMS	25.30	-24.20	0.83	-95.23	35.78	-42.15	-15.37	Vertical
2	2352.00	-53.11	RMS	27.12	-22.30	0.57	-95.23	36.73	-13.00	-40.11	Vertical
3	3128.00	-53.76	RMS	29.66	-21.06	0.39	-95.23	32.48	-13.00	-40.76	Vertical

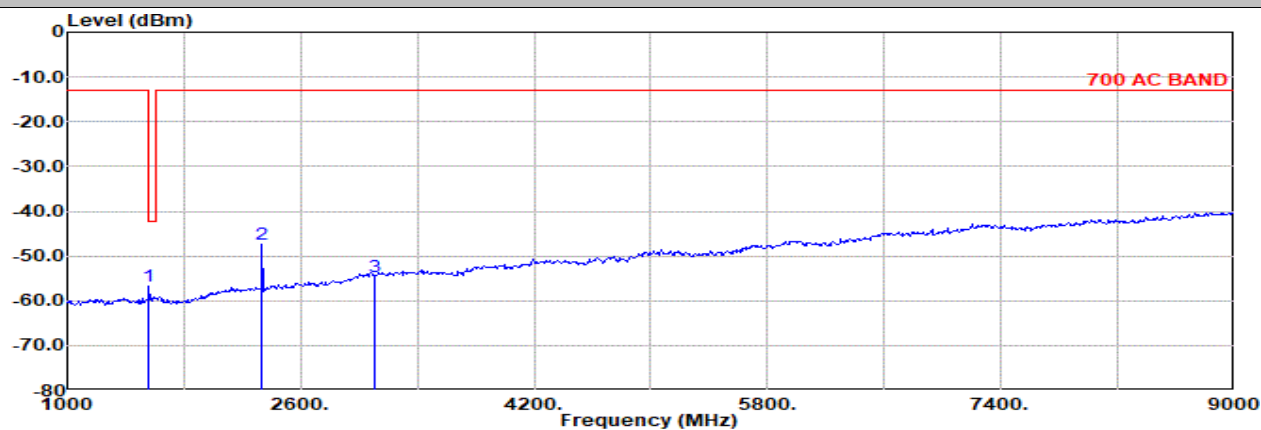


Main Antenna

Part 27F Mode 2

LTE B13 10M Ch23230 1RB0 QPSK

M

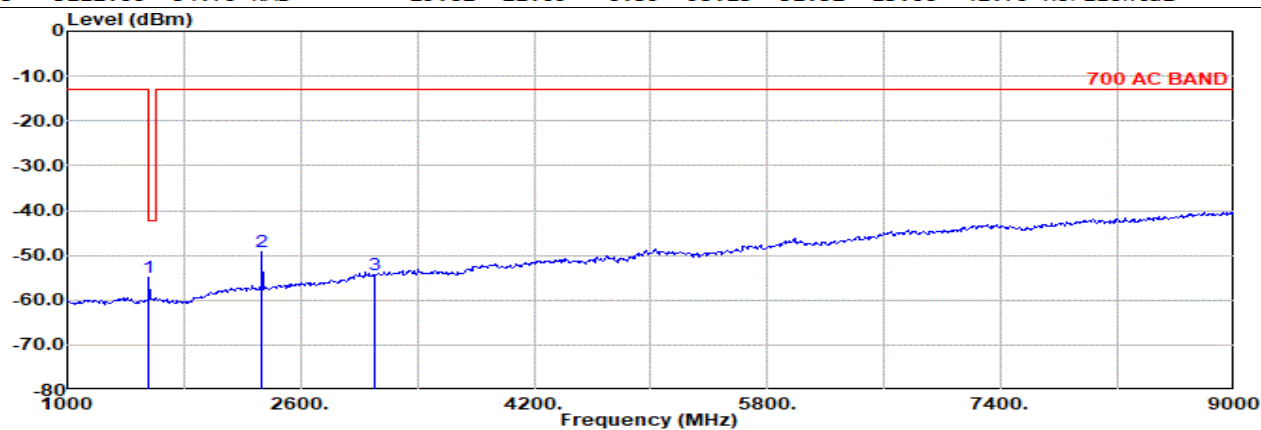


Site : 03CH16-HY

Condition: 700 AC BAND 3m 9120D-1522_240328 Horizontal

: LTE Band 13 10M Ch23230 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	1560.00	-56.78	RMS	25.30	-24.23	0.85	-95.23	36.53	-42.15	-14.63	Horizontal
2	2336.00	-47.52	RMS	27.10	-22.33	0.58	-95.23	42.36	-13.00	-34.52	Horizontal
3	3112.00	-54.79	RMS	29.62	-21.09	0.39	-95.23	31.52	-13.00	-41.79	Horizontal

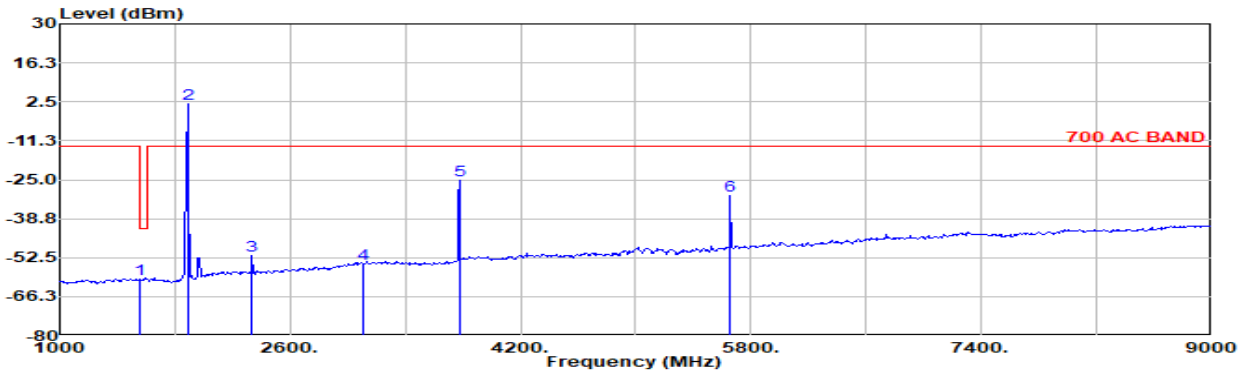


Site : 03CH16-HY

Condition: 700 AC BAND 3m 9120D-1522_240328 Vertical

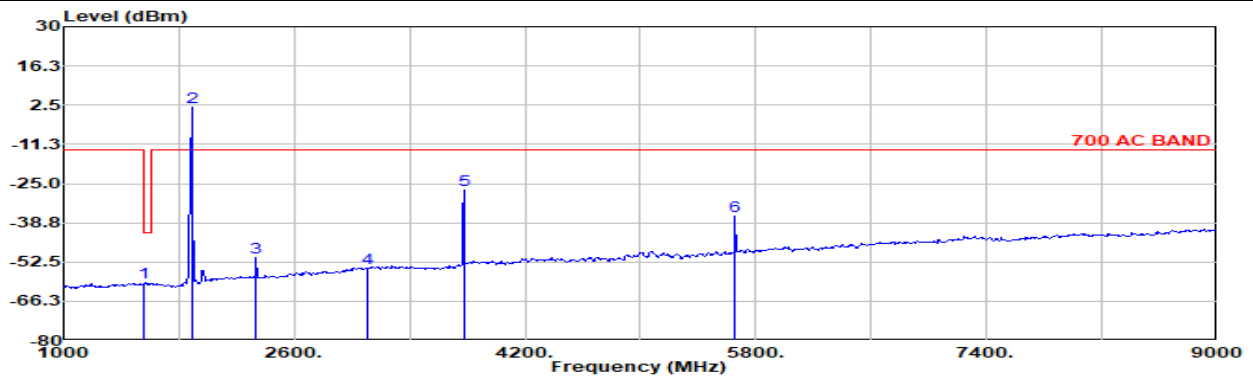
: LTE Band 13 10M Ch23230 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	1560.00	-54.93	RMS	25.30	-24.23	0.85	-95.23	38.38	-42.15	-12.78	Vertical
2	2336.00	-49.12	RMS	27.10	-22.33	0.58	-95.23	40.76	-13.00	-36.12	Vertical
3	3112.00	-54.28	RMS	29.62	-21.09	0.39	-95.23	32.03	-13.00	-41.28	Vertical

Main Antenna
Part 27F Mode 3
LTE CA 2A-13A Ch18900 + Ch23230
M


Site : 03CH16-HY
 Condition: 700 AC BAND 3m 9120D-1522_240328 Horizontal
 : LTE Band 2 10M Ch18900 1RB0 QPSK
 : LTE Band 13 10M Ch23230 1RB0 QPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	1555.00	-60.14 RMS	25.30	-24.25	0.85	-95.23	33.19	-13.00	-47.14	Horizontal
2	1888.00	1.60 RMS	25.48	-23.30	0.65	-95.23	94.00	-13.00	14.60	Horizontal
3	2333.00	-51.94 RMS	27.10	-22.34	0.58	-95.23	37.95	-13.00	-38.94	Horizontal
4	3110.00	-54.48 RMS	29.62	-21.09	0.39	-95.23	31.83	-13.00	-41.48	Horizontal
5	3776.00	-25.25 RMS	30.11	-19.89	0.56	-95.23	59.20	-13.00	-12.25	Horizontal
6	5656.00	-30.48 RMS	33.05	-17.49	0.52	-95.23	48.67	-13.00	-17.48	Horizontal



Site : 03CH16-HY
 Condition: 700 AC BAND 3m 9120D-1522_240328 Vertical
 : LTE Band 2 10M Ch18900 1RB0 QPSK
 : LTE Band 13 10M Ch23230 1RB0 QPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	1555.00	-59.83 RMS	25.30	-24.25	0.85	-95.23	33.50	-13.00	-46.83	Vertical
2	1888.00	1.59 RMS	25.48	-23.30	0.65	-95.23	93.99	-13.00	14.59	Vertical
3	2333.00	-50.89 RMS	27.10	-22.34	0.58	-95.23	39.00	-13.00	-37.89	Vertical
4	3110.00	-54.77 RMS	29.62	-21.09	0.39	-95.23	31.54	-13.00	-41.77	Vertical
5	3776.00	-27.09 RMS	30.11	-19.89	0.56	-95.23	57.36	-13.00	-14.09	Vertical
6	5656.00	-36.43 RMS	33.05	-17.49	0.52	-95.23	42.72	-13.00	-23.43	Vertical

Remark: The limit signal #2, #5 and #6 is fundamental signal which can be ignored.

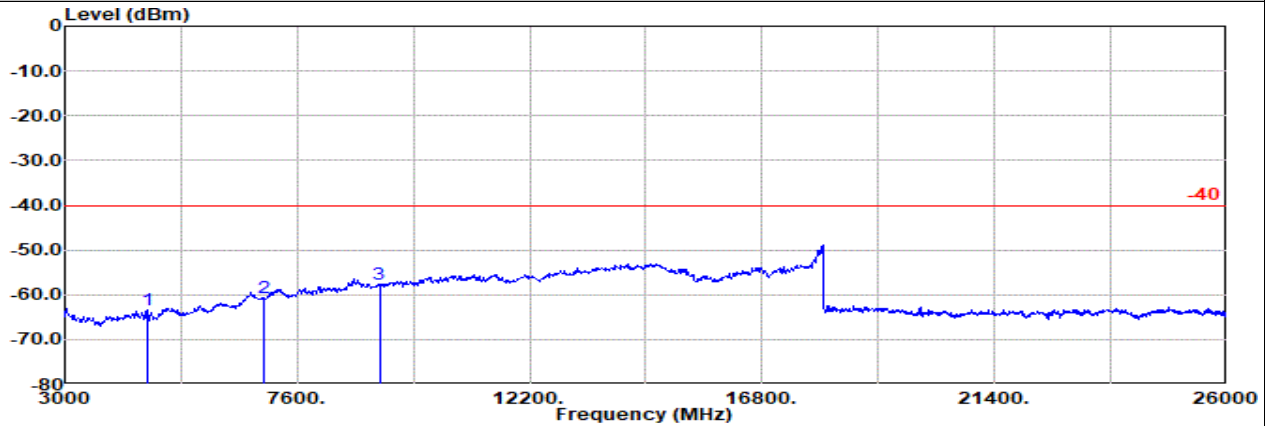


Main Antenna

Part 27D Mode 1

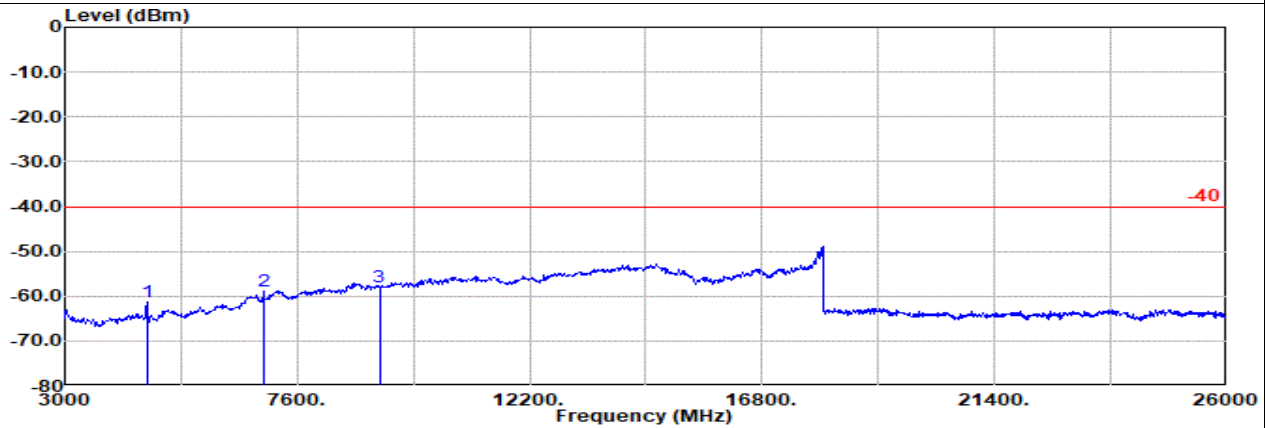
LTE B30 5M Ch27685 1RB0 QPSK

L



Site : 03CH16-HY
Condition: -40 1m SHF_00993_231124 Horizontal
: LTE Band 30 5M 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	4620.00	-63.43	RMS	31.68	-55.80	0.50	-95.23	55.42	-40.00	-23.43
2	6930.00	-60.70	RMS	35.80	-52.39	0.38	-95.23	50.74	-40.00	-20.70
3	9225.00	-57.63	RMS	37.80	-50.91	0.57	-95.23	50.14	-40.00	-17.63



Site : 03CH16-HY
Condition: -40 1m SHF_00993_231124 Vertical
: LTE Band 30 5M 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	4620.00	-61.14	RMS	31.68	-55.80	0.50	-95.23	57.71	-40.00	-21.14
2	6930.00	-58.74	RMS	35.80	-52.39	0.38	-95.23	52.70	-40.00	-18.74
3	9225.00	-57.94	RMS	37.80	-50.91	0.57	-95.23	49.83	-40.00	-17.94

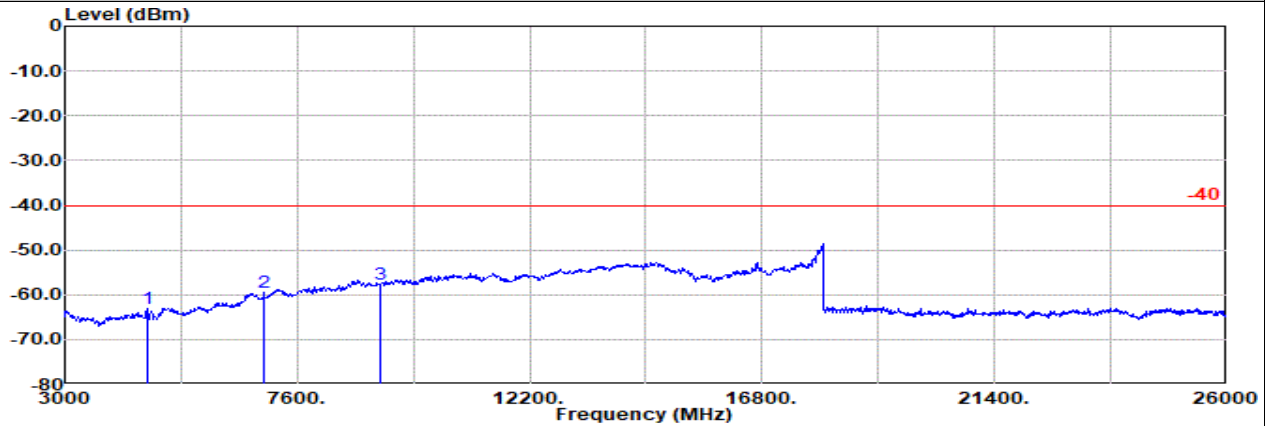


Main Antenna

Part 27D Mode 1

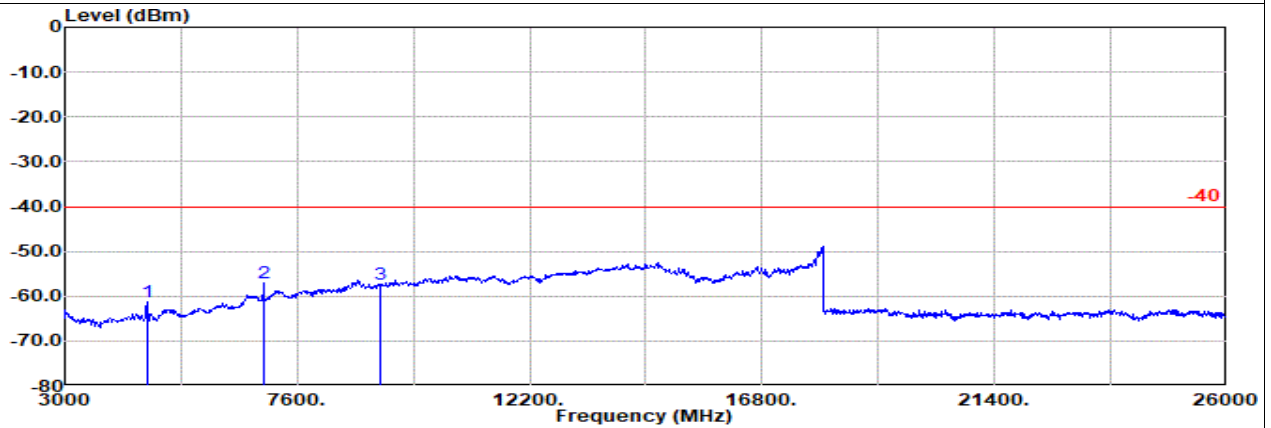
LTE B30 5M Ch27710 1RB0 QPSK

M



Site : 03CH16-HY
Condition: -40 1m SHF_00993_231124 Horizontal
: LTE Band 30 5M 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	-63.05	RMS	31.68	-55.80	0.50	-95.23	55.80	-40.00	-23.05
2	6930.00	-59.51	RMS	35.80	-52.39	0.38	-95.23	51.93	-40.00	-19.51
3	9231.00	-57.57	RMS	37.80	-50.91	0.57	-95.23	50.20	-40.00	-17.57



Site : 03CH16-HY
Condition: -40 1m SHF_00993_231124 Vertical
: LTE Band 30 5M 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	-61.30	RMS	31.68	-55.80	0.50	-95.23	57.55	-40.00	-21.30
2	6930.00	-57.05	RMS	35.80	-52.39	0.38	-95.23	54.39	-40.00	-17.05
3	9231.00	-57.28	RMS	37.80	-50.91	0.57	-95.23	50.49	-40.00	-17.28

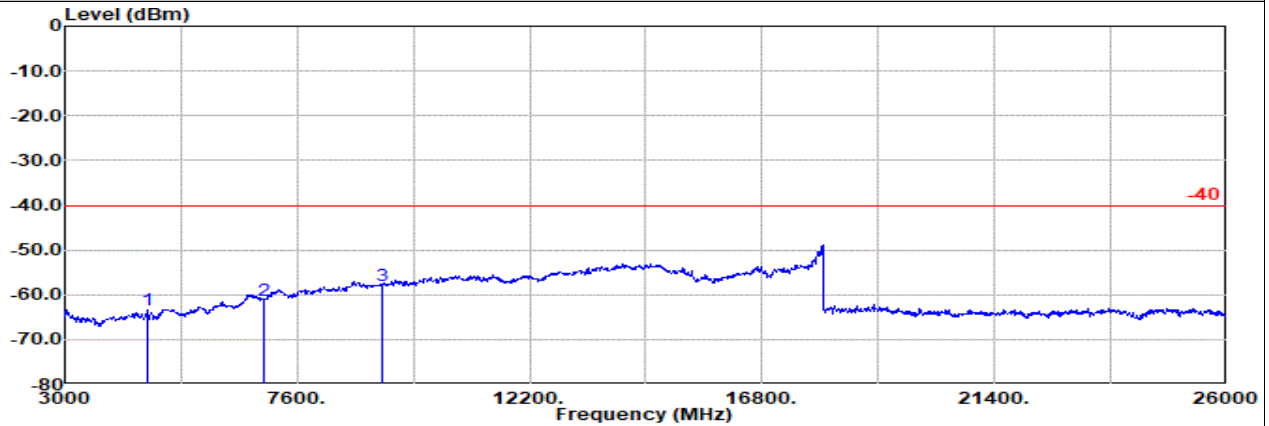


Main Antenna

Part 27D Mode 1

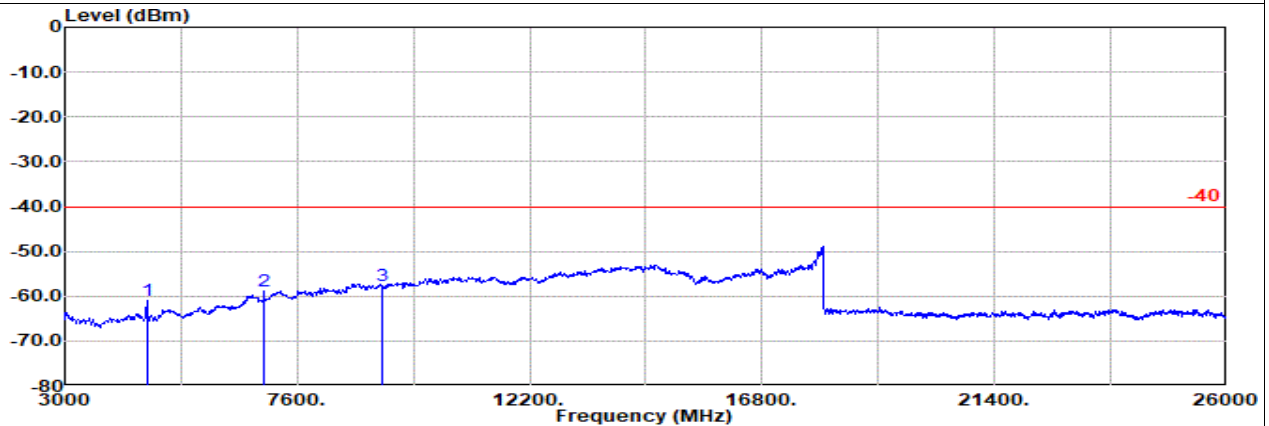
LTE B30 5M Ch27735 1RB0 QPSK

H



Site : 03CH16-HY
Condition: -40 1m SHF_00993_231124 Horizontal
: LTE Band 30 5M Ch27735 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	4635.00	-63.34	RMS	31.74	-55.78	0.50	-95.23	55.43	-40.00	-23.34 Horizontal
2	6945.00	-61.18	RMS	35.80	-52.40	0.38	-95.23	50.27	-40.00	-21.18 Horizontal
3	9270.00	-57.87	RMS	37.84	-50.92	0.53	-95.23	49.91	-40.00	-17.87 Horizontal



Site : 03CH16-HY
Condition: -40 1m SHF_00993_231124 Vertical
: LTE Band 30 5M Ch27735 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	4635.00	-60.92	RMS	31.74	-55.78	0.50	-95.23	57.85	-40.00	-20.92 Vertical
2	6945.00	-59.00	RMS	35.80	-52.40	0.38	-95.23	52.45	-40.00	-19.00 Vertical
3	9270.00	-57.60	RMS	37.84	-50.92	0.53	-95.23	50.18	-40.00	-17.60 Vertical

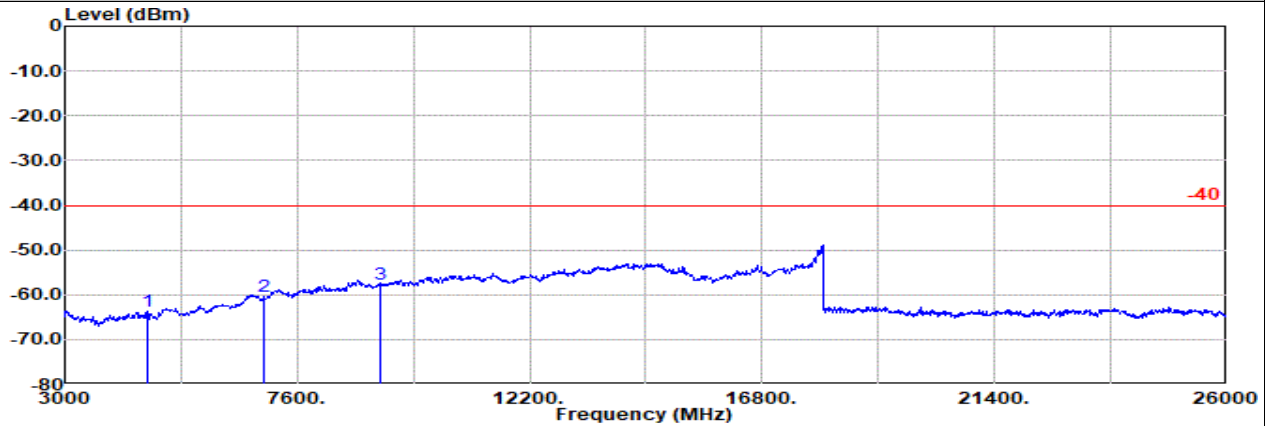


Main Antenna

Part 27D Mode 2

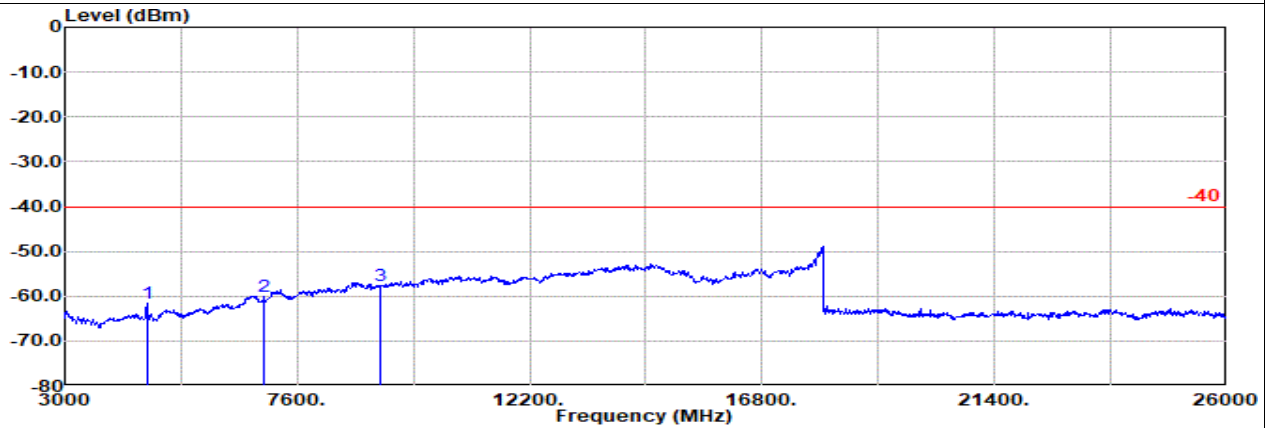
LTE B30 10M Ch27710 1RB0 QPSK

M



Site : 03CH16-HY
Condition: -40 1m SHF_00993_231124 Horizontal
: LTE Band 30 10M 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	-63.76	RMS	31.68	-55.80	0.50	-95.23	55.09	-40.00	-23.76
2	6930.00	-60.50	RMS	35.80	-52.39	0.38	-95.23	50.94	-40.00	-20.50
3	9240.00	-57.78	RMS	37.80	-50.91	0.56	-95.23	50.00	-40.00	-17.78



Site : 03CH16-HY
Condition: -40 1m SHF_00993_231124 Vertical
: LTE Band 30 10M 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	-61.70	RMS	31.68	-55.80	0.50	-95.23	57.15	-40.00	-21.70
2	6930.00	-60.17	RMS	35.80	-52.39	0.38	-95.23	51.27	-40.00	-20.17
3	9240.00	-57.70	RMS	37.80	-50.91	0.56	-95.23	50.08	-40.00	-17.70

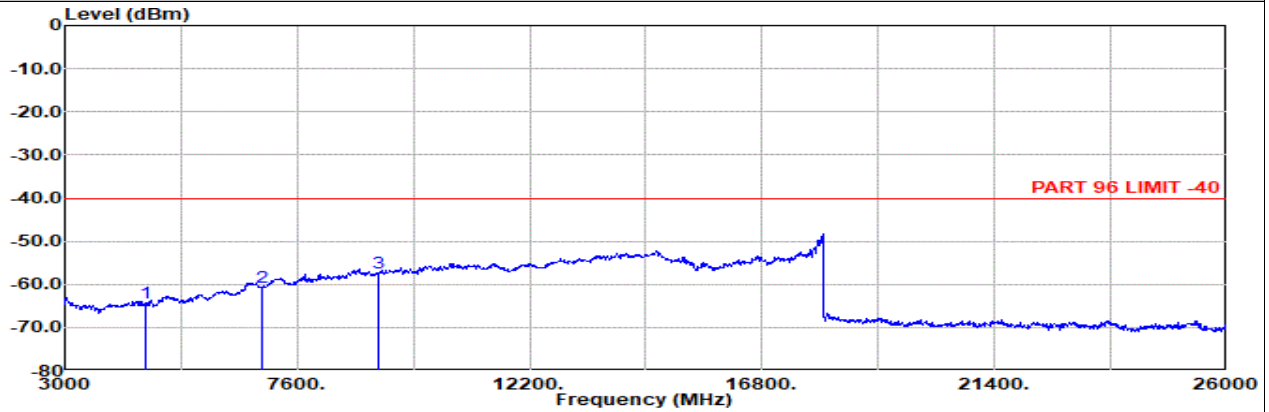


Main Antenna

Part 27D Mode 3

LTE CA 2A-30A Ch18900 + Ch27710

M



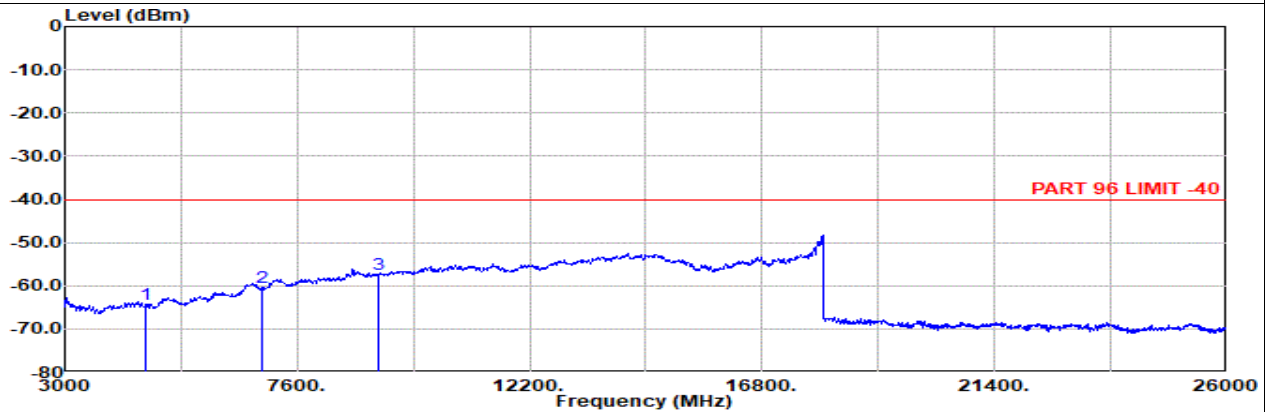
Site : 03CH16-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Horizontal

: LTE Band 2 10M Ch18900 1RB049QPSK

: LTE Band 30 10M Ch27710 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	4611.00	-64.30	RMS	31.64	-55.82	0.51	-95.23	54.60	-40.00	-24.30 Horizontal
2	6917.00	-60.54	RMS	35.80	-52.38	0.39	-95.23	50.88	-40.00	-20.54 Horizontal
3	9222.00	-57.47	RMS	37.80	-50.91	0.58	-95.23	50.29	-40.00	-17.47 Horizontal



Site : 03CH16-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Vertical

: LTE Band 2 10M Ch18900 1RB049QPSK

: LTE Band 30 10M Ch27710 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	4611.00	-64.27	RMS	31.64	-55.82	0.51	-95.23	54.63	-40.00	-24.27 Vertical
2	6917.00	-60.49	RMS	35.80	-52.38	0.39	-95.23	50.93	-40.00	-20.49 Vertical
3	9222.00	-57.39	RMS	37.80	-50.91	0.58	-95.23	50.37	-40.00	-17.39 Vertical

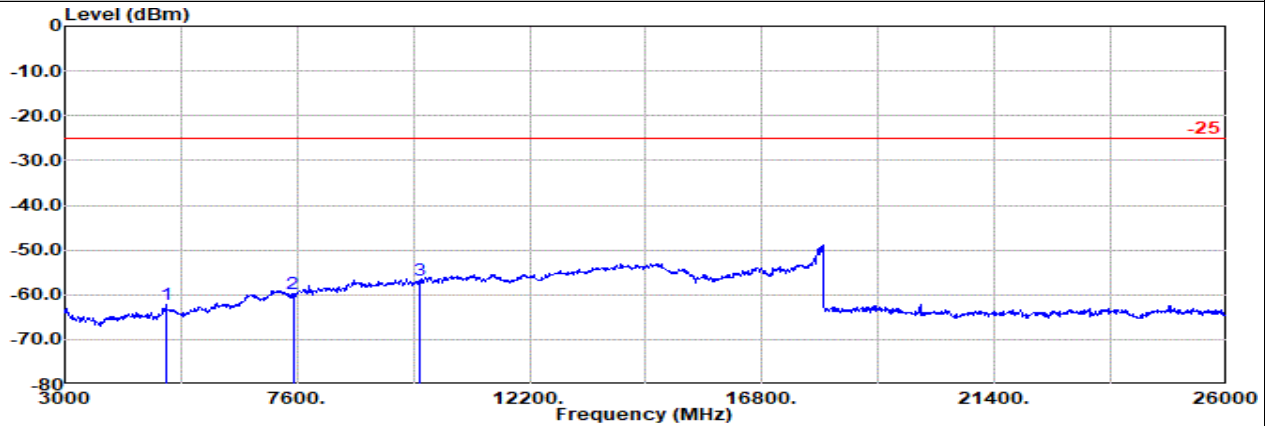


Main Antenna

Part 27M Mode 1

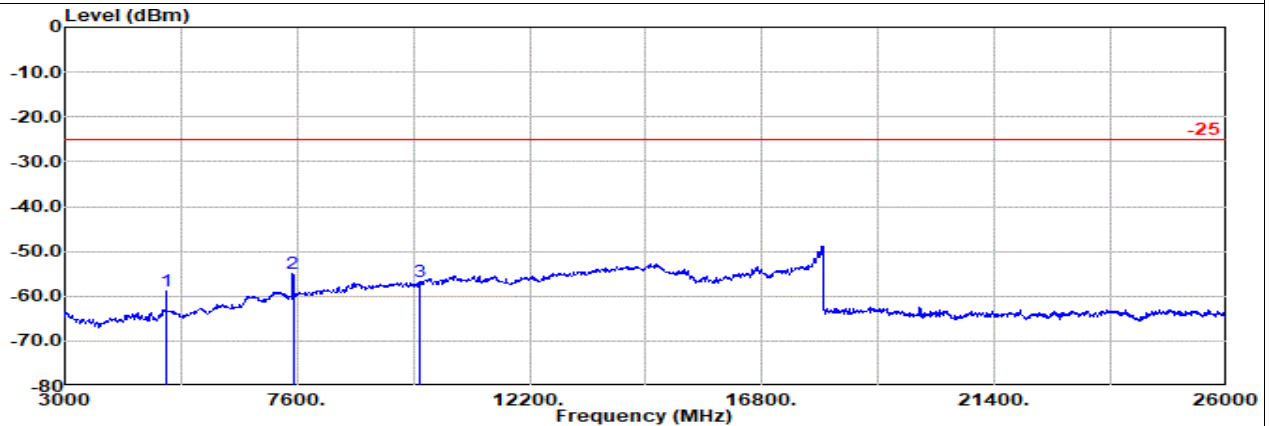
LTE B7 20M Ch20850 1RB0 QPSK

L



Site : 03CH16-HY
Condition: -25 1m SHF_00993_231124 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	5010.00	-62.04	RMS	33.06	-54.59	0.45	-95.23	54.27	-25.00	-37.04
2	7515.00	-59.90	RMS	36.14	-51.95	0.47	-95.23	50.67	-25.00	-34.90
3	10020.00	-56.69	RMS	38.18	-50.99	0.34	-95.23	51.01	-25.00	-31.69



Site : 03CH16-HY
Condition: -25 1m SHF_00993_231124 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	5010.00	-58.80	RMS	33.06	-54.59	0.45	-95.23	57.51	-25.00	-33.80
2	7515.00	-54.94	RMS	36.14	-51.95	0.47	-95.23	55.63	-25.00	-29.94
3	10020.00	-56.91	RMS	38.18	-50.99	0.34	-95.23	50.79	-25.00	-31.91

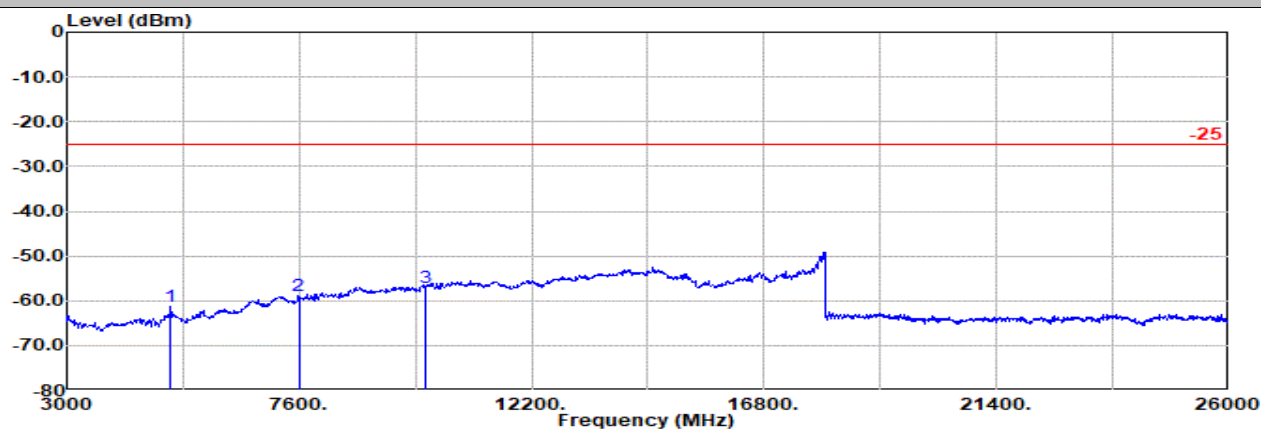


Main Antenna

Part 27M Mode 1

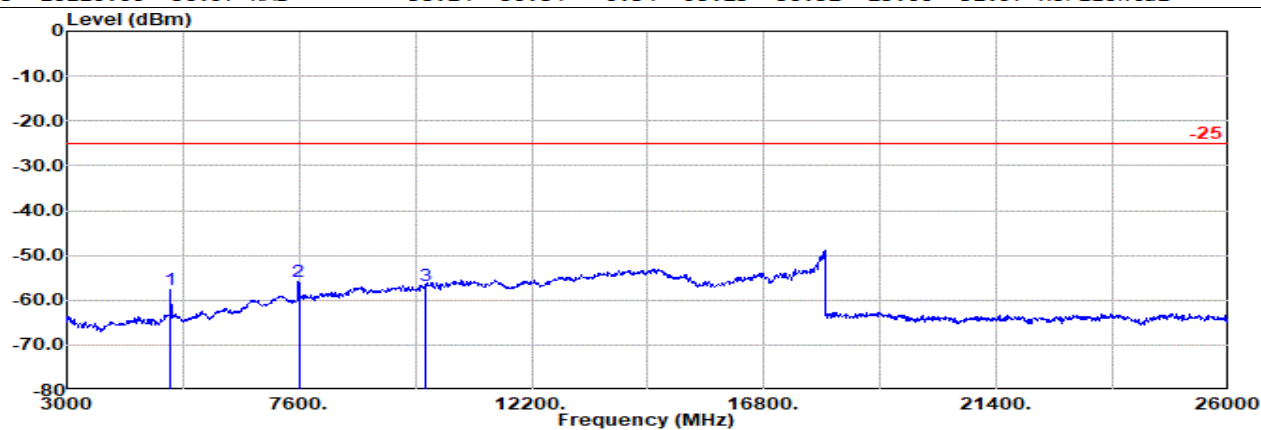
LTE B7 20M Ch21100 1RB0 QPSK

M



Site : 03CH16-HY
Condition: -25 1m SHF_00993_231124 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	-61.41	RMS	32.90	-54.52	0.45	-95.23	54.99	-25.00	-36.41 Horizontal
2	7590.00	-58.93	RMS	36.08	-51.84	0.53	-95.23	51.53	-25.00	-33.93 Horizontal
3	10110.00	-56.97	RMS	38.24	-50.84	0.34	-95.23	50.52	-25.00	-31.97 Horizontal



Site : 03CH16-HY
Condition: -25 1m SHF_00993_231124 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	-57.79	RMS	32.90	-54.52	0.45	-95.23	58.61	-25.00	-32.79 Vertical
2	7590.00	-55.77	RMS	36.08	-51.84	0.53	-95.23	54.69	-25.00	-30.77 Vertical
3	10110.00	-56.78	RMS	38.24	-50.84	0.34	-95.23	50.71	-25.00	-31.78 Vertical

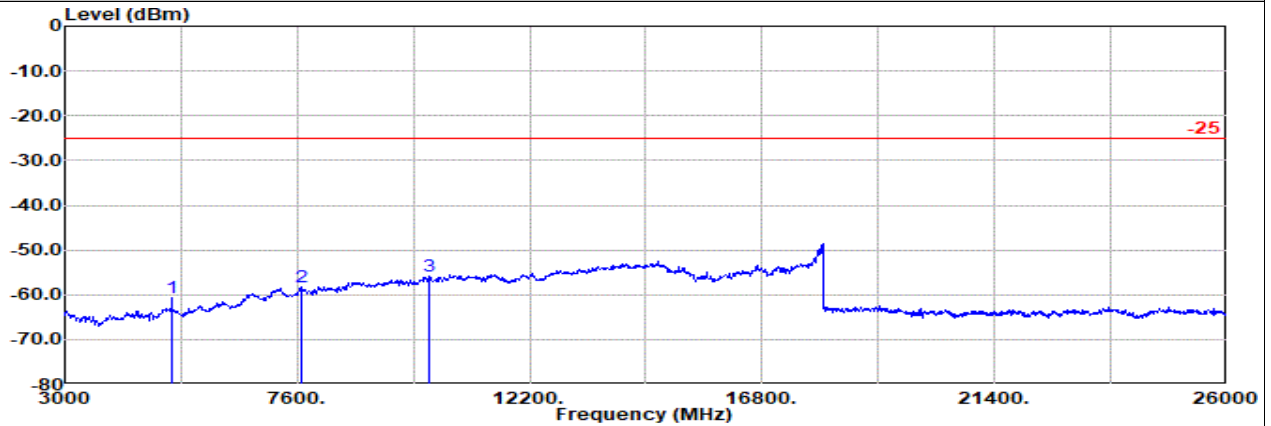


Main Antenna

Part 27M Mode 1

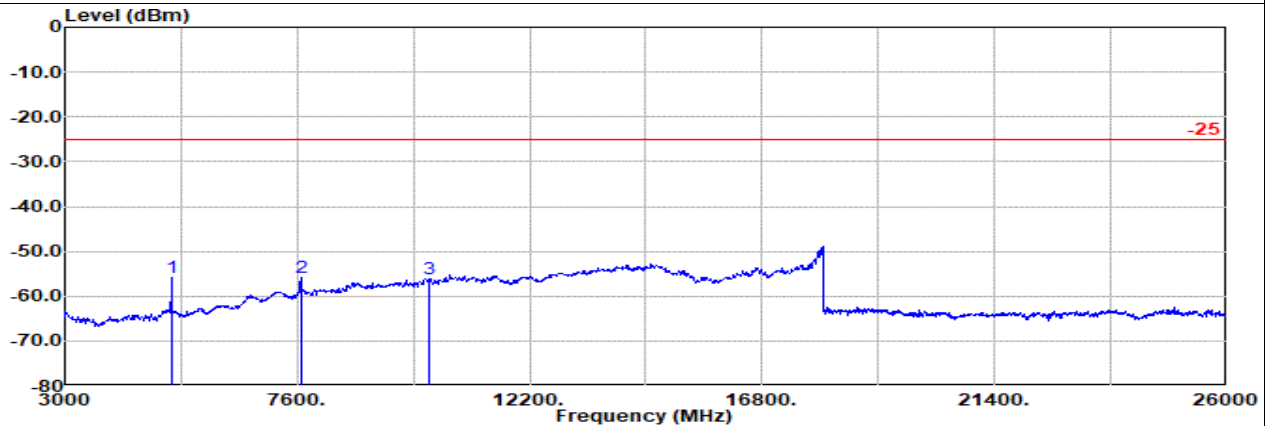
LTE B7 20M Ch21350 1RB0 QPSK

H



Site : 03CH16-HY
Condition: -25 1m SHF_00993_231124 Horizontal
: LTE Band 7 20M Ch21350 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol
				Factor	1					
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB
1	5115.00	-60.80	RMS	32.93	-54.43	0.46	-95.23	55.47	-25.00	-35.80
2	7665.00	-58.16	RMS	36.23	-51.79	0.50	-95.23	52.13	-25.00	-33.16
3	10215.00	-55.99	RMS	38.53	-50.66	0.34	-95.23	51.03	-25.00	-30.99



Site : 03CH16-HY
Condition: -25 1m SHF_00993_231124 Vertical
: LTE Band 7 20M Ch21350 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol
				Factor	1					
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB
1	5115.00	-55.92	RMS	32.93	-54.43	0.46	-95.23	60.35	-25.00	-30.92
2	7665.00	-55.86	RMS	36.23	-51.79	0.50	-95.23	54.43	-25.00	-30.86
3	10215.00	-56.18	RMS	38.53	-50.66	0.34	-95.23	50.84	-25.00	-31.18

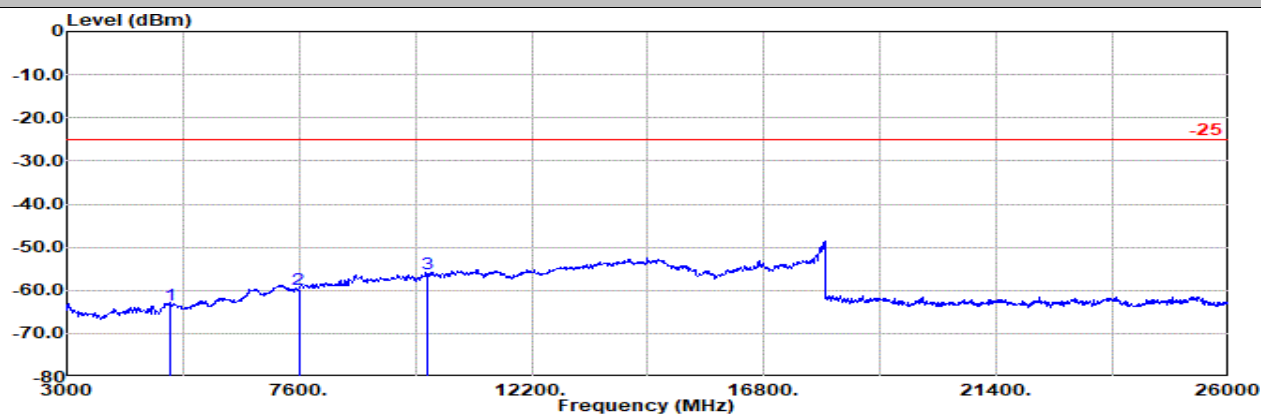


Main Antenna

Part 27M Mode 2

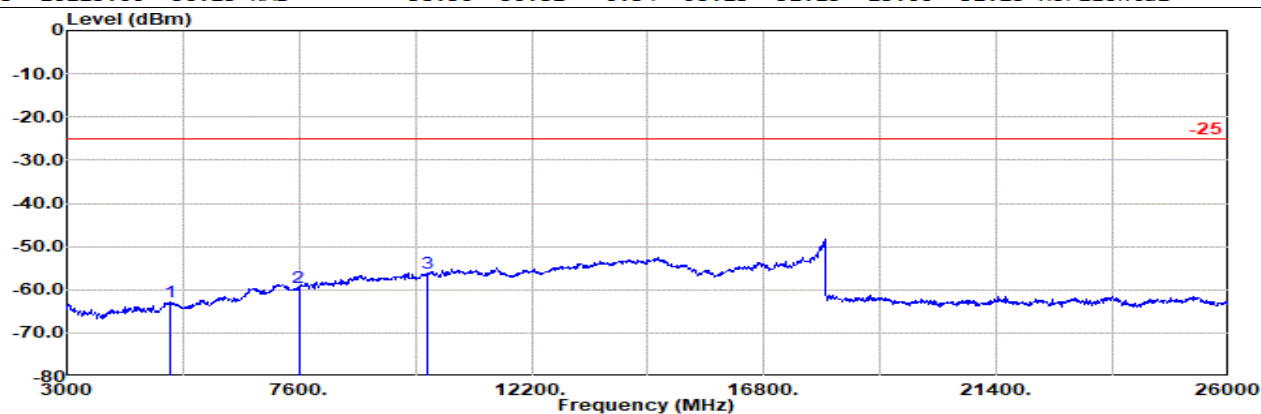
LTE CA 4A-7A Ch20175 + Ch21100

M



Site : 03CH16-HY
Condition: -25 1m SHF_00993_231124 Horizontal
: LTE Band 4 10M Ch20175 1RB49 QPSK
: LTE Band 7 10M Ch21100 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin dB	Pol
				Factor	1					
1	5055.00	-63.29	RMS	32.90	-54.52	0.45 -95.23	53.11	-25.00	-38.29	Horizontal
2	7590.00	-59.71	RMS	36.08	-51.84	0.53 -95.23	50.75	-25.00	-34.71	Horizontal
3	10125.00	-56.25	RMS	38.30	-50.81	0.34 -95.23	51.15	-25.00	-31.25	Horizontal



Site : 03CH16-HY
Condition: -25 1m SHF_00993_231124 Vertical
: LTE Band 4 10M Ch20175 1RB49 QPSK
: LTE Band 7 10M Ch21100 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin dB	Pol
				Factor	1					
1	5055.00	-62.79	RMS	32.90	-54.52	0.45 -95.23	53.61	-25.00	-37.79	Vertical
2	7590.00	-59.60	RMS	36.08	-51.84	0.53 -95.23	50.86	-25.00	-34.60	Vertical
3	10125.00	-56.02	RMS	38.30	-50.81	0.34 -95.23	51.38	-25.00	-31.02	Vertical

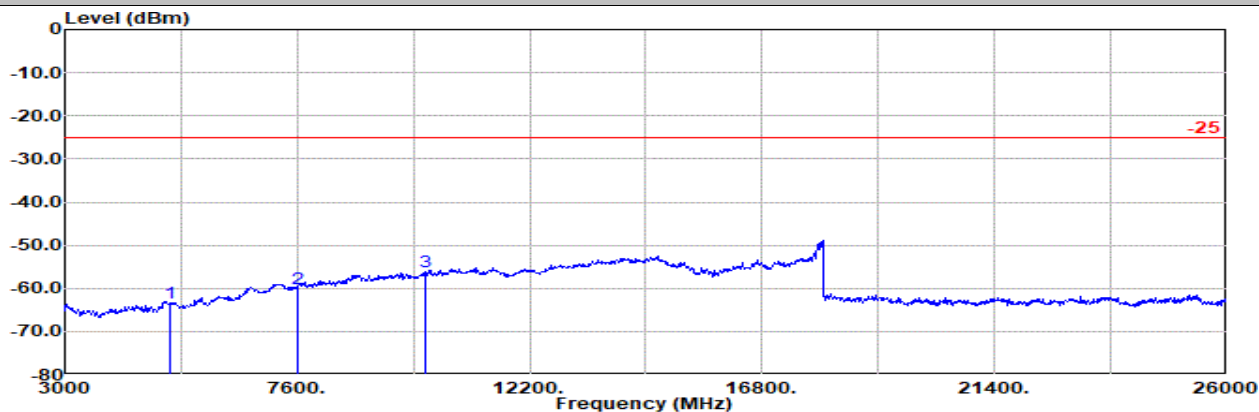


Main Antenna

Part 27M Mode 3

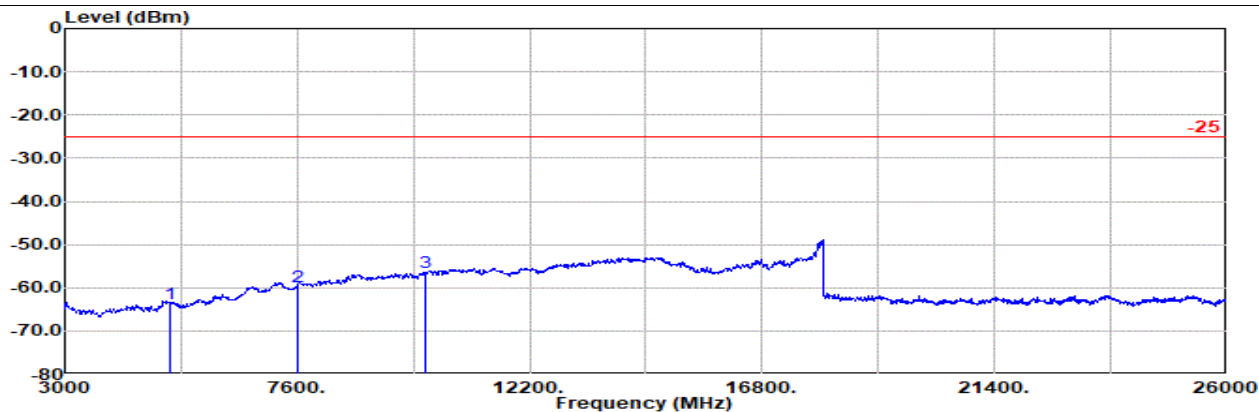
LTE CA 7C 20M + 20M Ch21001 1RB99 QPSK + Ch21199 1RB0 QPSK

M



Site : 03CH16-HY
Condition: -25 1m SHF_00993_231124 Horizontal
: LTE Band 7 10M Ch21001 1RB99 QPSK
: LTE Band 7 10M Ch21199 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin dB	Pol
				Factor	1					
1	5070.00	-63.50	RMS	32.90	-54.50	0.45 -95.23	52.88	-25.00	-38.50	Horizontal
2	7605.00	-59.94	RMS	36.11	-51.82	0.54 -95.23	50.46	-25.00	-34.94	Horizontal
3	10140.00	-56.23	RMS	38.36	-50.79	0.34 -95.23	51.09	-25.00	-31.23	Horizontal



Site : 03CH16-HY
Condition: -25 1m SHF_00993_231124 Vertical
: LTE Band 7 10M Ch21001 1RB99 QPSK
: LTE Band 7 10M Ch21199 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin dB	Pol
				Factor	1					
1	5070.00	-63.66	RMS	32.90	-54.50	0.45 -95.23	52.72	-25.00	-38.66	Vertical
2	7605.00	-59.73	RMS	36.11	-51.82	0.54 -95.23	50.67	-25.00	-34.73	Vertical
3	10140.00	-56.36	RMS	38.36	-50.79	0.34 -95.23	50.96	-25.00	-31.36	Vertical

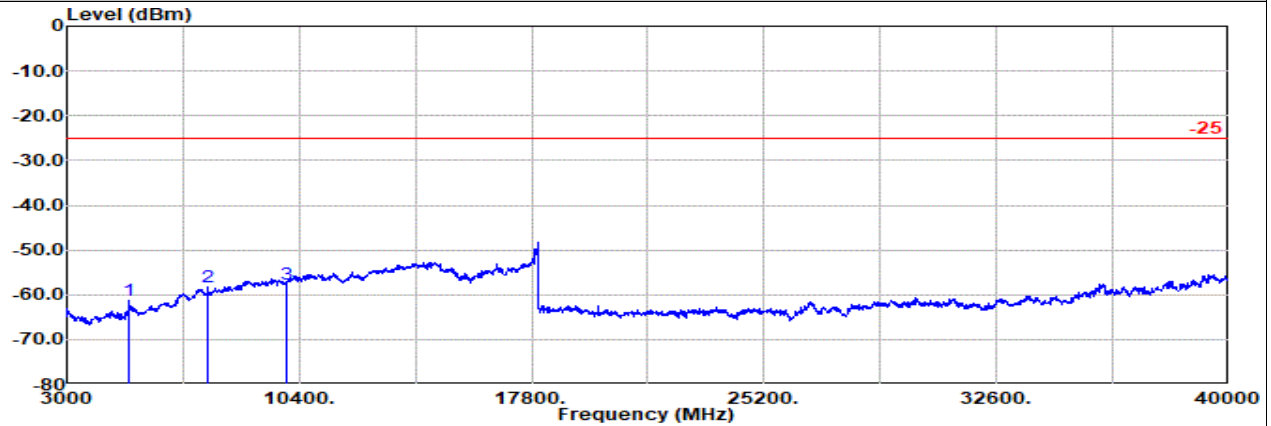


Main Antenna

Part 27M Mode 4

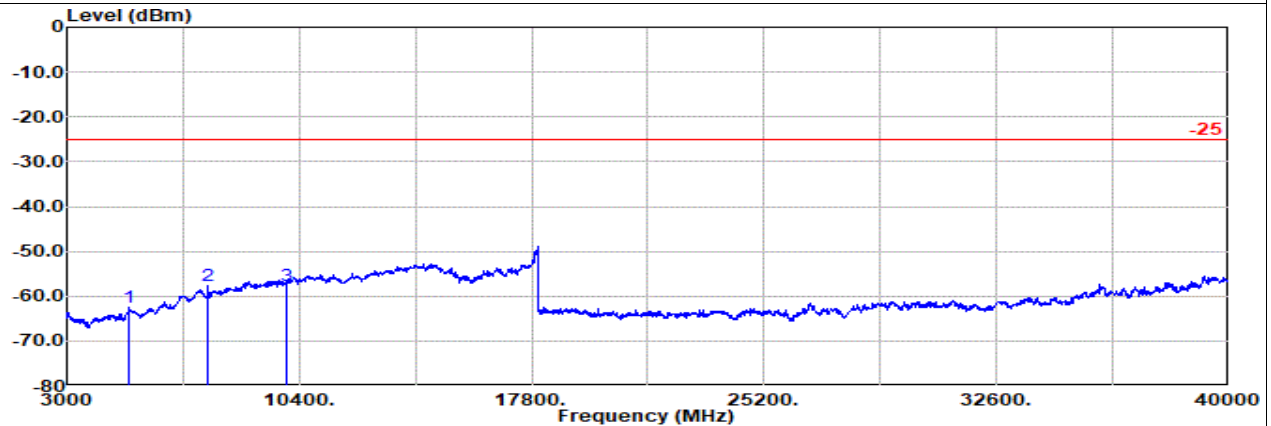
LTE B41 20M Ch39750 1RB0 QPSK

L



Site : 03CH16-HY
Condition: -25 1m SHF_00993_231124 Horizontal
: LTE B41 20M Ch39750 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	4995.00	-61.23	RMS	33.09	-54.63	0.45	-95.23	55.09	-25.00	-36.23 Horizontal
2	7500.00	-58.26	RMS	36.20	-51.97	0.46	-95.23	52.28	-25.00	-33.26 Horizontal
3	9988.00	-57.77	RMS	38.05	-51.01	0.35	-95.23	50.07	-25.00	-32.77 Horizontal



Site : 03CH16-HY
Condition: -25 1m SHF_00993_231124 Vertical
: LTE B41 20M Ch39750 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	4995.00	-62.48	RMS	33.09	-54.63	0.45	-95.23	53.84	-25.00	-37.48 Vertical
2	7500.00	-57.59	RMS	36.20	-51.97	0.46	-95.23	52.95	-25.00	-32.59 Vertical
3	9988.00	-57.71	RMS	38.05	-51.01	0.35	-95.23	50.13	-25.00	-32.71 Vertical

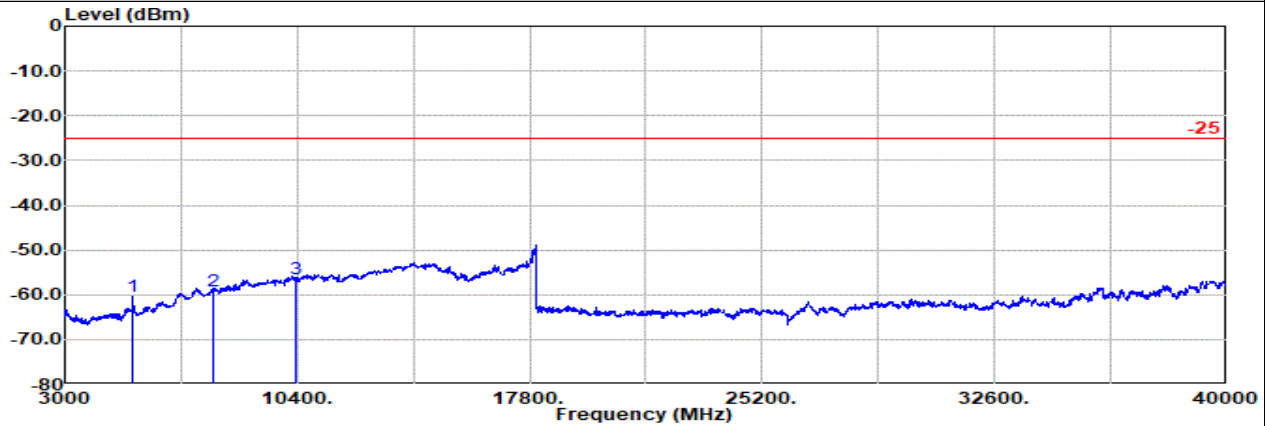


Main Antenna

Part 27M Mode 4

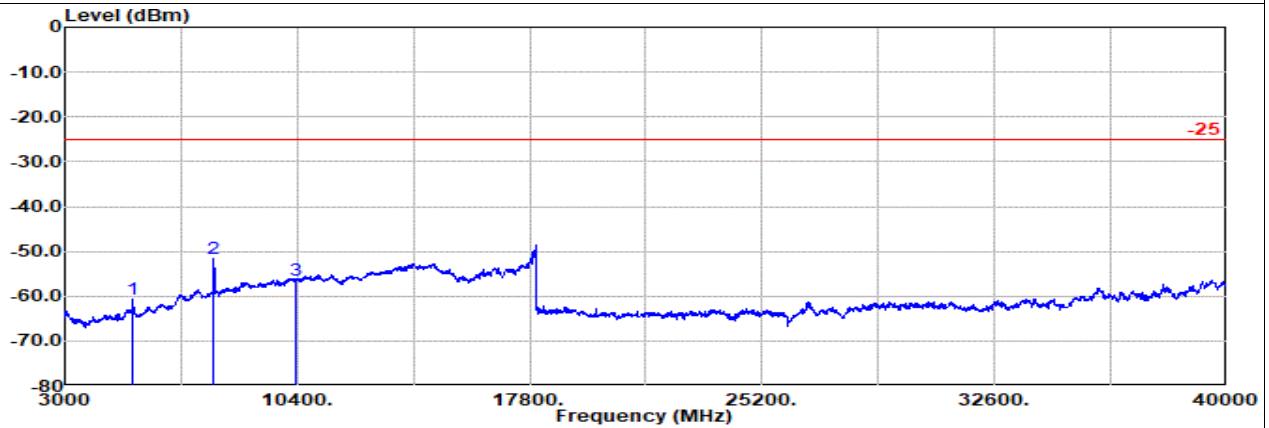
LTE B41 20M Ch40620 1RB0 QPSK

M



Site : 03CH16-HY
Condition: -25 1m SHF_00993_231124 Horizontal
: LTE B41 20M Ch40620 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	5172.00	-60.48	RMS	33.00	-54.34	0.46	-95.23	55.63	-25.00	-35.48 Horizontal
2	7752.00	-59.04	RMS	36.41	-51.75	0.46	-95.23	51.07	-25.00	-34.04 Horizontal
3	10336.00	-56.35	RMS	38.57	-50.46	0.35	-95.23	50.42	-25.00	-31.35 Horizontal



Site : 03CH16-HY
Condition: -25 1m SHF_00993_231124 Vertical
: LTE B41 20M Ch40620 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	5172.00	-60.69	RMS	33.00	-54.34	0.46	-95.23	55.42	-25.00	-35.69 Vertical
2	7752.00	-51.58	RMS	36.41	-51.75	0.46	-95.23	58.53	-25.00	-26.58 Vertical
3	10336.00	-56.39	RMS	38.57	-50.46	0.35	-95.23	50.38	-25.00	-31.39 Vertical

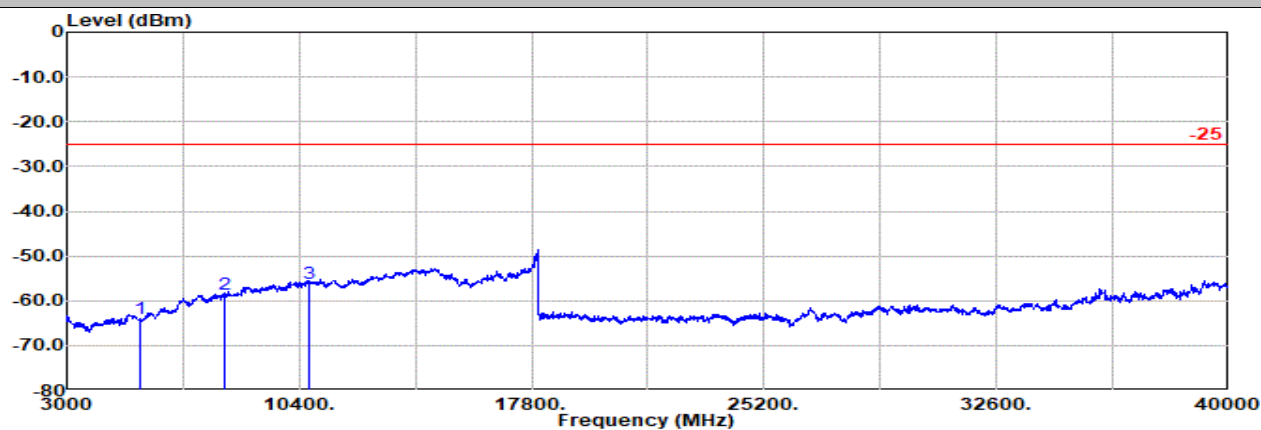


Main Antenna

Part 27M Mode 4

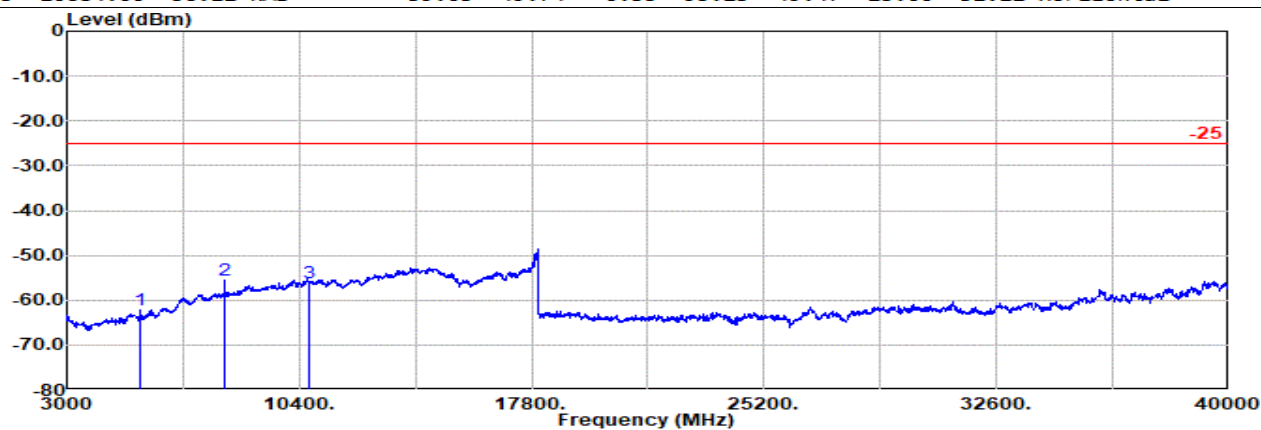
LTE B41 20M Ch41490 1RB0 QPSK

H



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

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	5355.00	-64.12	RMS	32.80	-54.11	0.41	-95.23	52.01	-25.00	-39.12	Horizontal
2	8025.00	-58.63	RMS	36.80	-51.82	0.54	-95.23	51.08	-25.00	-33.63	Horizontal
3	10684.00	-56.12	RMS	39.03	-49.74	0.35	-95.23	49.47	-25.00	-31.12	Horizontal



Site : 03CH16-HY
Condition: -25 1m SHF_00993_231124 Vertical
: LTE B41 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	5355.00	-62.20	RMS	32.80	-54.11	0.41	-95.23	53.93	-25.00	-37.20	Vertical
2	8025.00	-55.60	RMS	36.80	-51.82	0.54	-95.23	54.11	-25.00	-30.60	Vertical
3	10684.00	-56.06	RMS	39.03	-49.74	0.35	-95.23	49.53	-25.00	-31.06	Vertical

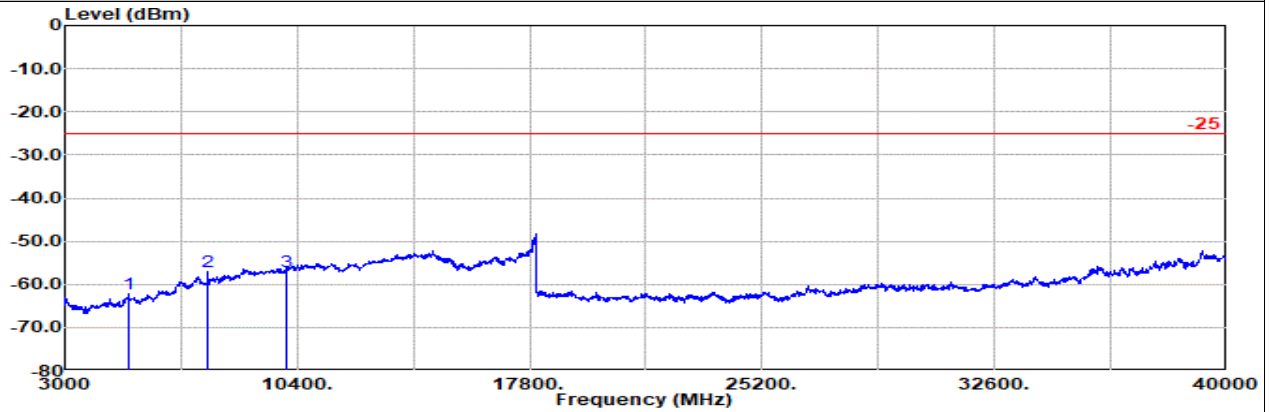


Main Antenna

Part 27M Mode 5

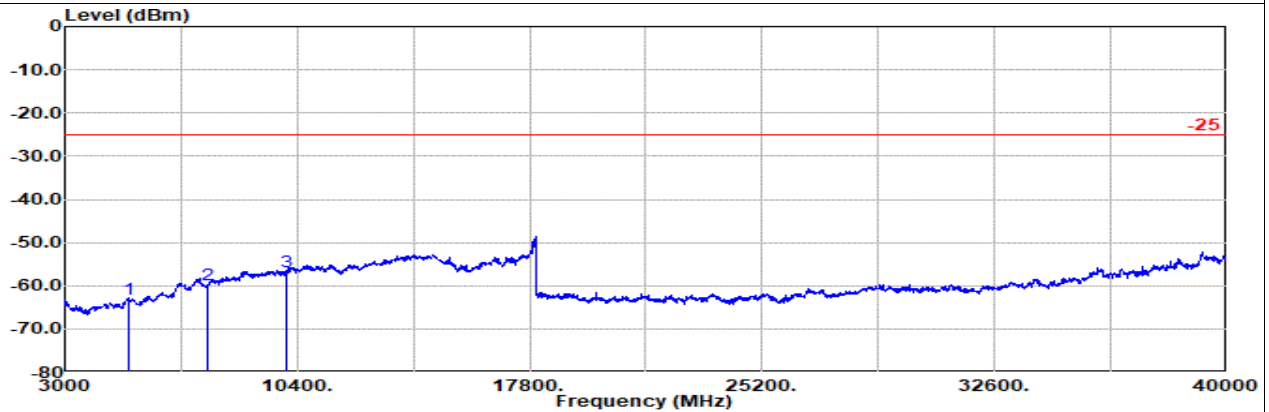
LTE CA 41C 20M + 20M Ch39750 1RB99 QPSK + Ch39948 1RB0 QPSK

L



Site : 03CH16-HY
Condition: -25 1m SHF_00993_231124 Horizontal
: LTE Band 41 20M Ch39750 1RB99 QPSK
: LTE Band 41 20M Ch39948 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	5040.00	-62.31	RMS	32.94	-54.55	0.45 -95.23	0.00	-25.00	-37.31	Horizontal
2	7560.00	-57.20	RMS	36.02	-51.88	0.51 -95.23	53.38	-25.00	-32.20	Horizontal
3	10080.00	-56.94	RMS	38.24	-50.89	0.34 -95.23	50.60	-25.00	-31.94	Horizontal



Site : 03CH16-HY
Condition: -25 1m SHF_00993_231124 Vertical
: LTE Band 41 20M Ch39750 1RB99 QPSK
: LTE Band 41 20M Ch39948 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	5040.00	-63.00	RMS	32.94	-54.55	0.45 -95.23	53.39	-25.00	-38.00	Vertical
2	7560.00	-59.67	RMS	36.02	-51.88	0.51 -95.23	50.91	-25.00	-34.67	Vertical
3	10080.00	-56.64	RMS	38.24	-50.89	0.34 -95.23	50.90	-25.00	-31.64	Vertical

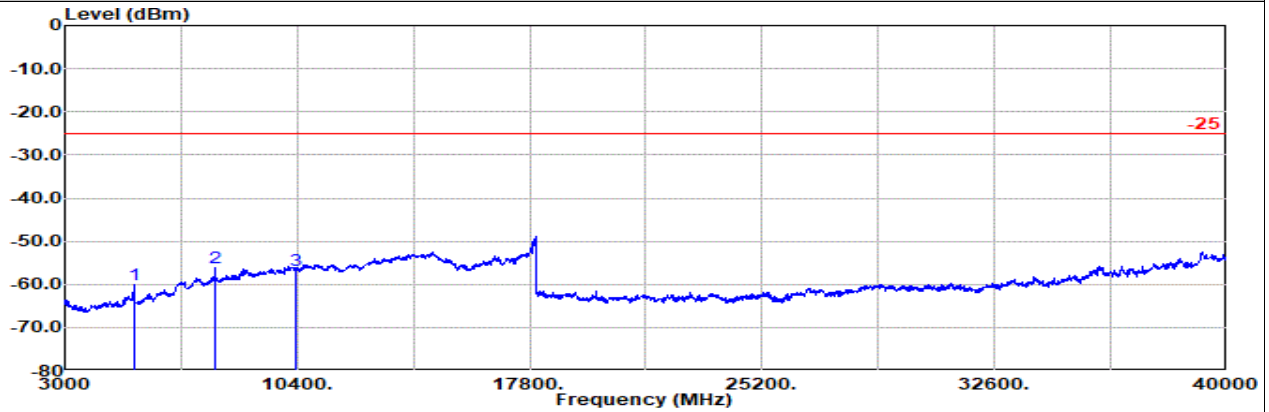


Main Antenna

Part 27M Mode 5

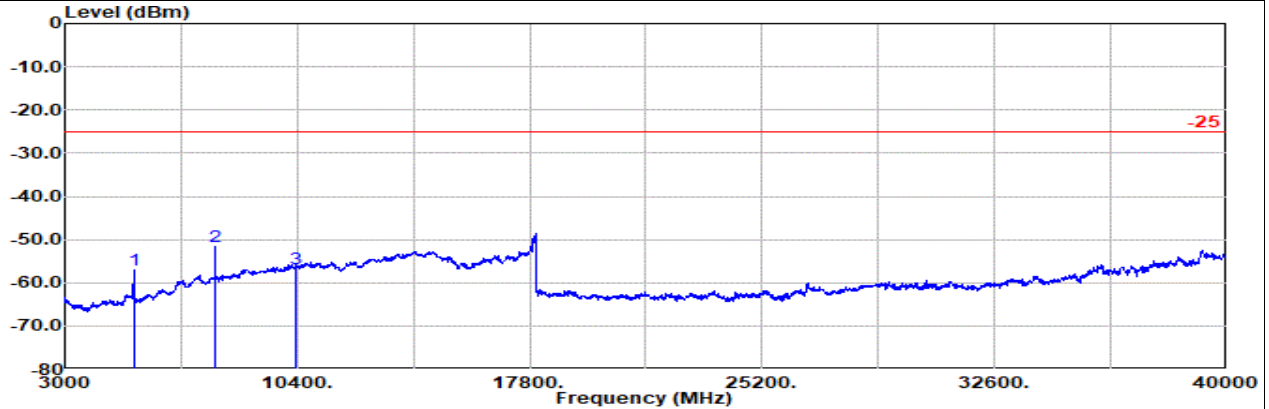
LTE CA 41C 20M + 20M Ch40521 1RB99 QPSK + Ch40719 1RB0 QPSK

M



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

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	5190.00	-60.19	RMS	33.00	-54.32	0.46	-95.23	55.90	-25.00	-35.19
2	7785.00	-56.24	RMS	36.61	-51.73	0.44	-95.23	53.67	-25.00	-31.24
3	10365.00	-56.82	RMS	38.60	-50.41	0.35	-95.23	49.87	-25.00	-31.82



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

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	5190.00	-56.93	RMS	33.00	-54.32	0.46	-95.23	59.16	-25.00	-31.93
2	7785.00	-51.61	RMS	36.61	-51.73	0.44	-95.23	58.30	-25.00	-26.61
3	10365.00	-56.89	RMS	38.60	-50.41	0.35	-95.23	49.80	-25.00	-31.89

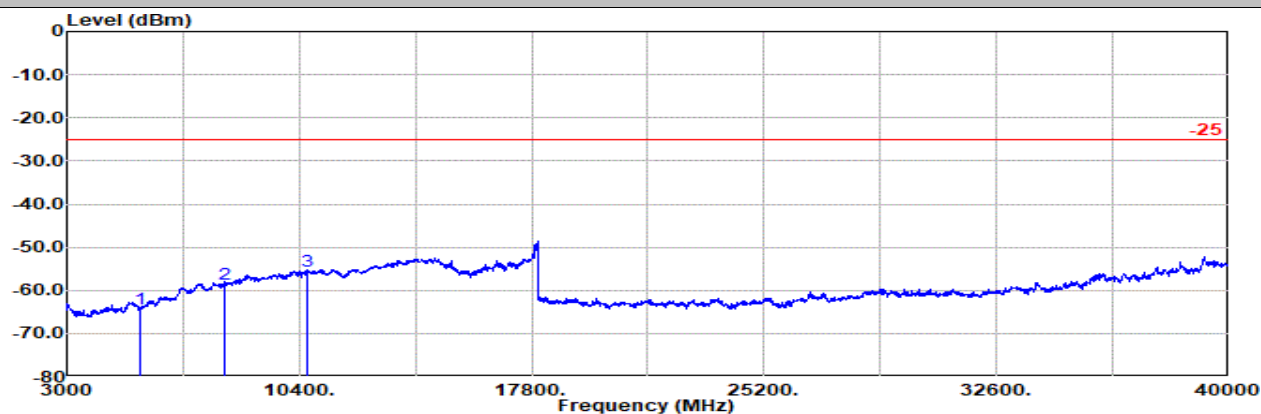


Main Antenna

Part 27M Mode 5

LTE CA 41C 20M + 20M Ch41292 1RB99 QPSK + Ch41490 1RB0 QPSK

H



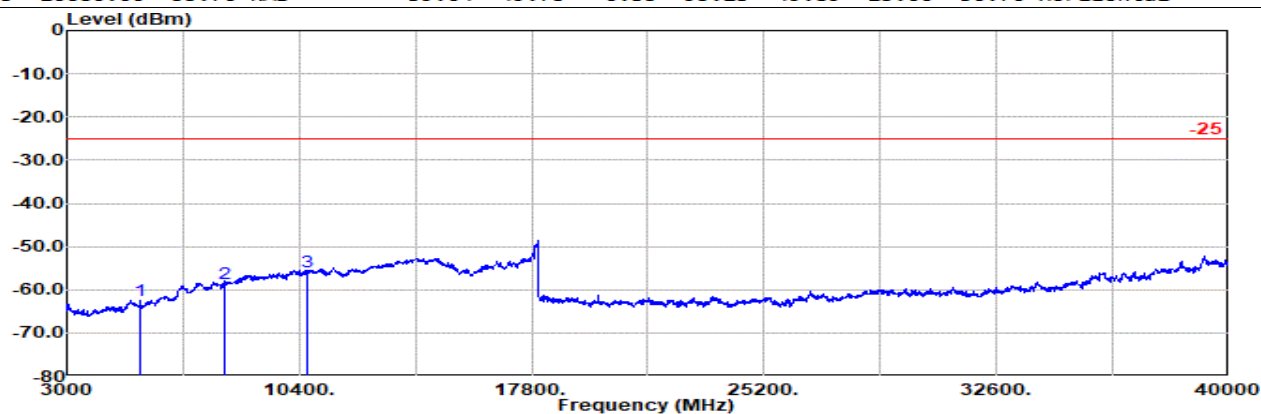
Site : 03CH16-HY

Condition: -25 1m SHF_00993_231124 Horizontal

: LTE Band 41 20M Ch41292 1RB99 QPSK

: LTE Band 41 20M Ch41490 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol	
				Factor	1						
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	5340.00	-64.23	RMS	32.80	-54.13	0.41	-95.23	51.92	-25.00	-39.23	Horizontal
2	8010.00	-58.53	RMS	36.80	-51.84	0.56	-95.23	51.18	-25.00	-33.53	Horizontal
3	10680.00	-55.70	RMS	39.04	-49.75	0.35	-95.23	49.89	-25.00	-30.70	Horizontal



Site : 03CH16-HY

Condition: -25 1m SHF_00993_231124 Vertical

: LTE Band 41 20M Ch41292 1RB99 QPSK

: LTE Band 41 20M Ch41490 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB	
1	5340.00	-62.42	RMS	32.80	-54.13	0.41	-95.23	53.73	-25.00	-37.42 Vertical
2	8010.00	-58.58	RMS	36.80	-51.84	0.56	-95.23	51.13	-25.00	-33.58 Vertical
3	10680.00	-55.91	RMS	39.04	-49.75	0.35	-95.23	49.68	-25.00	-30.91 Vertical

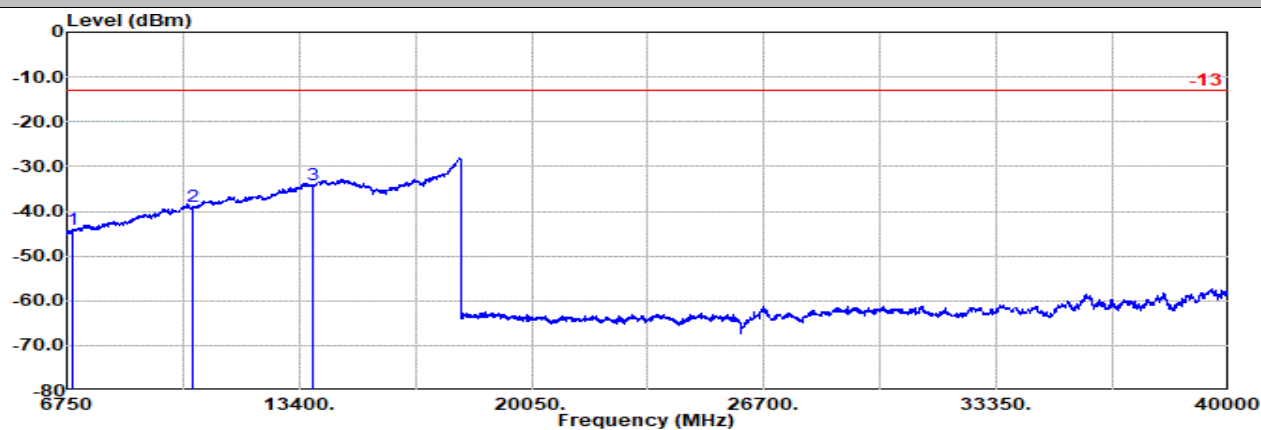


MIMO2 Antenna

Part 27Q Mode 1

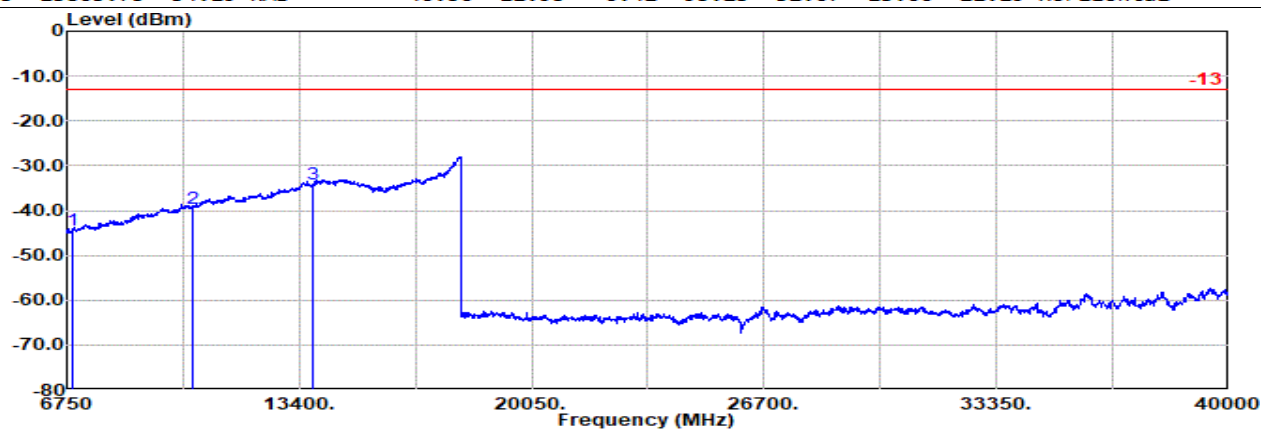
LTE B42 20M Ch42190 1RB0 QPSK

L



Site : 03CH16-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE B41 20M Ch42190 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	6907.50	-44.04	RMS	35.80	-17.07	1.25 -95.23	31.21	-13.00	-31.04	Horizontal
2	10350.00	-38.91	RMS	38.60	-13.79	0.45 -95.23	31.06	-13.00	-25.91	Horizontal
3	13803.75	-34.19	RMS	40.50	-11.95	0.42 -95.23	32.07	-13.00	-21.19	Horizontal



Site : 03CH16-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE B41 20M Ch42190 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	6907.50	-44.37	RMS	35.80	-17.07	1.25 -95.23	30.88	-13.00	-31.37	Vertical
2	10350.00	-39.54	RMS	38.60	-13.79	0.45 -95.23	30.43	-13.00	-26.54	Vertical
3	13803.75	-34.15	RMS	40.50	-11.95	0.42 -95.23	32.11	-13.00	-21.15	Vertical

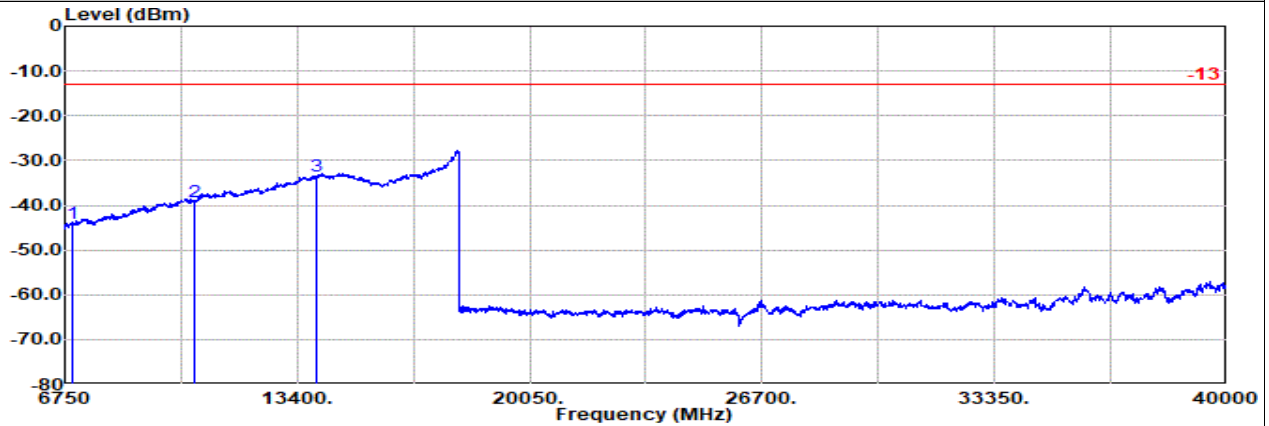


MIMO2 Antenna

Part 27Q Mode 1

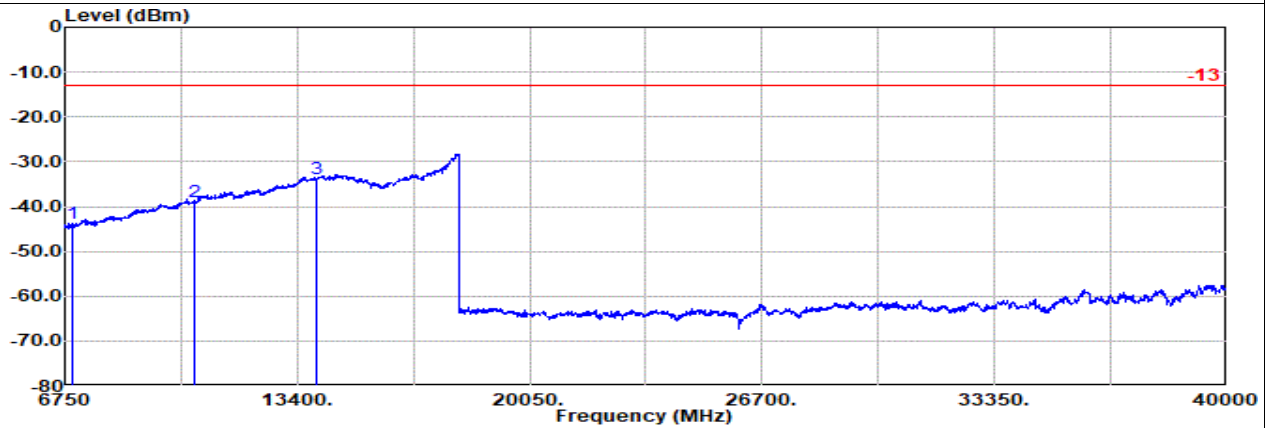
LTE B42 20M Ch42590 1RB0 QPSK

M



Site : 03CH16-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE B41 20M Ch42590 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 6986.25	-44.21	RMS	35.80	-17.14	1.33	-95.23	31.03	-13.00	-31.21	Horizontal
2 10473.75	-39.21	RMS	38.45	-13.73	0.45	-95.23	30.85	-13.00	-26.21	Horizontal
3 13961.25	-33.40	RMS	40.82	-11.84	0.42	-95.23	32.43	-13.00	-20.40	Horizontal



Site : 03CH16-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE B41 20M Ch42590 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 6986.25	-43.91	RMS	35.80	-17.14	1.33	-95.23	31.33	-13.00	-30.91	Vertical
2 10473.75	-38.96	RMS	38.45	-13.73	0.45	-95.23	31.10	-13.00	-25.96	Vertical
3 13961.25	-33.95	RMS	40.82	-11.84	0.42	-95.23	31.88	-13.00	-20.95	Vertical

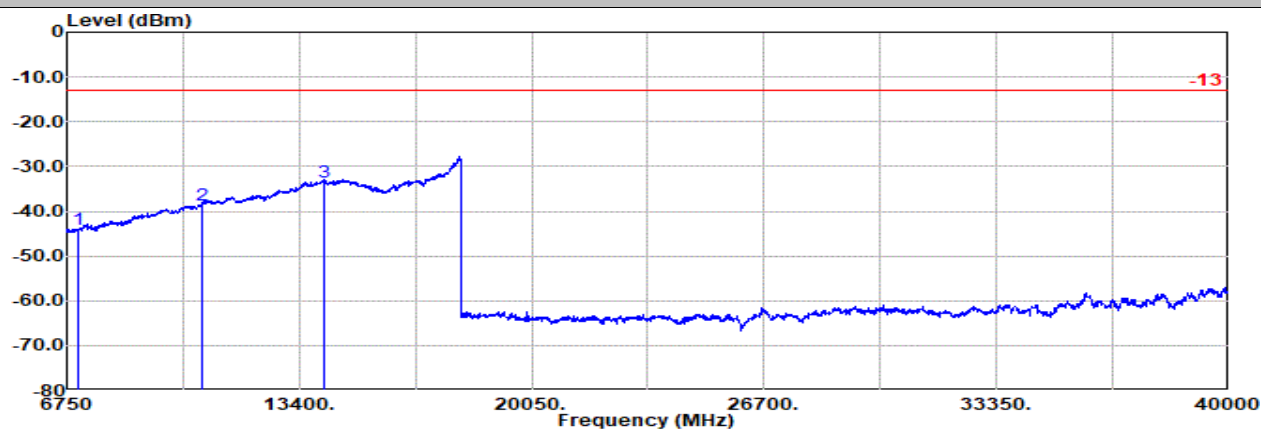


MIMO2 Antenna

Part 27Q Mode 1

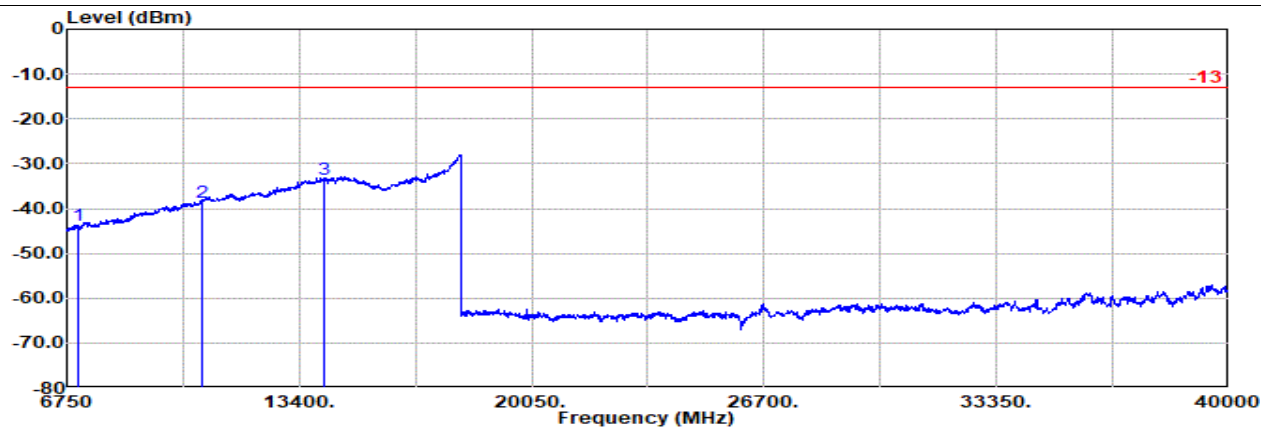
LTE B42 20M Ch42990 1RB0 QPSK

H



Site : 03CH16-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE B41 20M Ch42990 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	7065.00	-43.94	RMS	36.09	-17.10	1.20 -95.23	31.10	-13.00	-30.94	Horizontal
2	10597.50	-38.54	RMS	38.88	-13.66	0.45 -95.23	31.02	-13.00	-25.54	Horizontal
3	14118.75	-33.53	RMS	40.96	-11.76	0.43 -95.23	32.07	-13.00	-20.53	Horizontal



Site : 03CH16-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE B41 20M Ch42990 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	7065.00	-43.86	RMS	36.09	-17.10	1.20 -95.23	31.18	-13.00	-30.86	Vertical
2	10597.50	-38.71	RMS	38.88	-13.66	0.45 -95.23	30.85	-13.00	-25.71	Vertical
3	14118.75	-33.62	RMS	40.96	-11.76	0.43 -95.23	31.98	-13.00	-20.62	Vertical

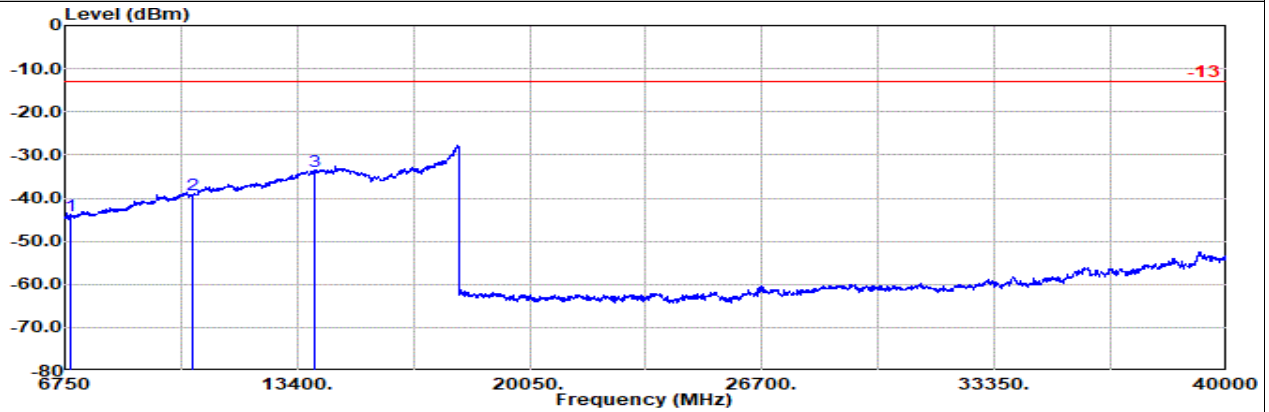


MIMO2 Antenna

Part 27Q Mode 2

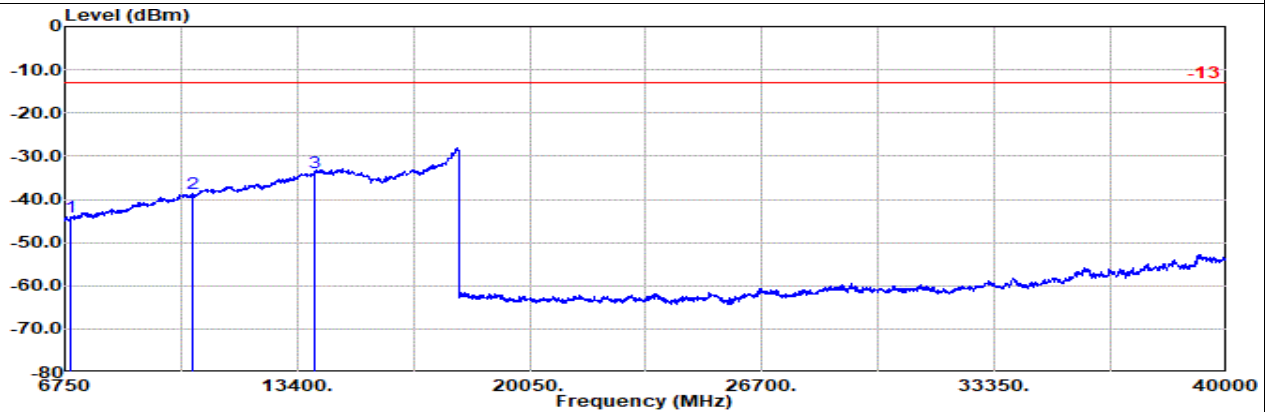
LTE CA 42C Ch42190 + Ch42388

L



Site : 03CH16-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 42 20M Ch42190 1RB99 QPSK
: LTE Band 42 20M Ch42388 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
				Factor	1			dBm	dB		
1	6938.00	-44.22	RMS	35.80	-17.09	1.28	-95.23	31.02	-13.00	-31.22	Horizontal
2	10407.00	-39.11	RMS	38.59	-13.76	0.45	-95.23	30.84	-13.00	-26.11	Horizontal
3	13876.00	-33.84	RMS	40.60	-11.90	0.42	-95.23	32.27	-13.00	-20.84	Horizontal



Site : 03CH16-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 42 20M Ch42190 1RB99 QPSK
: LTE Band 42 20M Ch42388 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
				Factor	1			dBm	dB		
1	6938.00	-44.13	RMS	35.80	-17.09	1.28	-95.23	31.11	-13.00	-31.13	Vertical
2	10407.00	-38.64	RMS	38.59	-13.76	0.45	-95.23	31.31	-13.00	-25.64	Vertical
3	13876.00	-33.82	RMS	40.60	-11.90	0.42	-95.23	32.29	-13.00	-20.82	Vertical

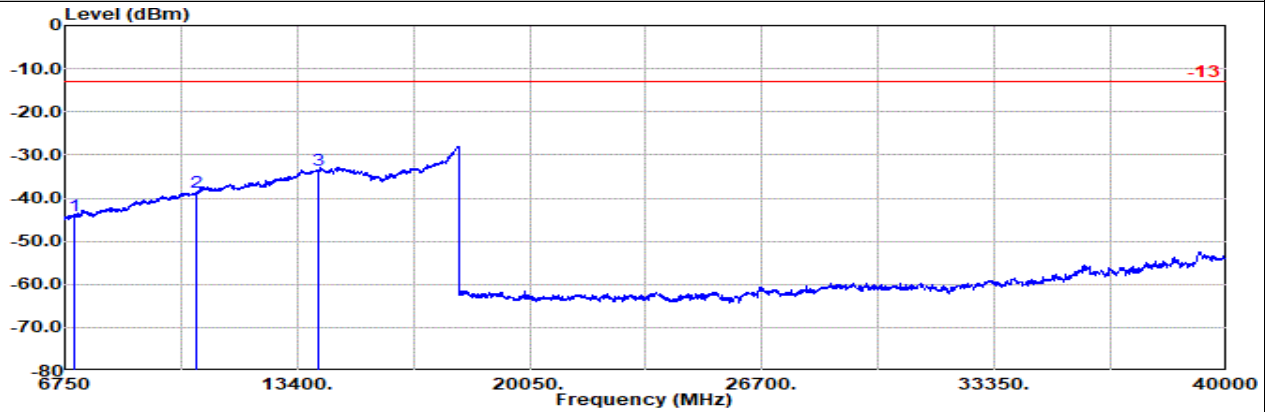


MIMO2 Antenna

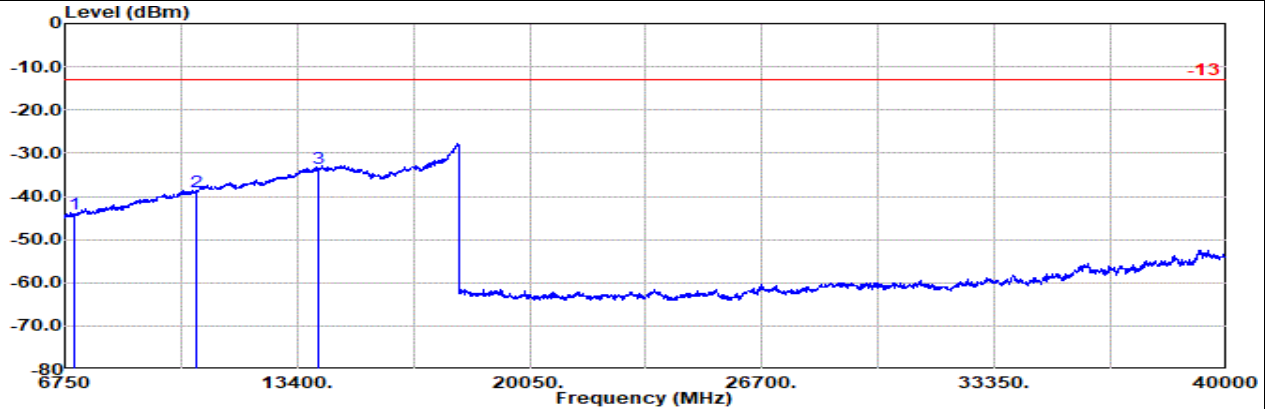
Part 27Q Mode 2

LTE CA 42C Ch42491 + Ch42689

M



	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
				Factor	1			dBm	dB		
1	6998.00	-44.14	RMS	35.80	-17.15	1.34 -95.23	31.10	-13.00	-31.14	Horizontal	
2	10497.00	-38.73	RMS	38.41	-13.72	0.45 -95.23	31.36	-13.00	-25.73	Horizontal	
3	13996.00	-33.47	RMS	40.89	-11.81	0.42 -95.23	32.26	-13.00	-20.47	Horizontal	



	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
				Factor	1			dBm	dB		
1	6998.00	-44.10	RMS	35.80	-17.15	1.34 -95.23	31.14	-13.00	-31.10	Vertical	
2	10497.00	-38.91	RMS	38.41	-13.72	0.45 -95.23	31.18	-13.00	-25.91	Vertical	
3	13996.00	-33.42	RMS	40.89	-11.81	0.42 -95.23	32.31	-13.00	-20.42	Vertical	

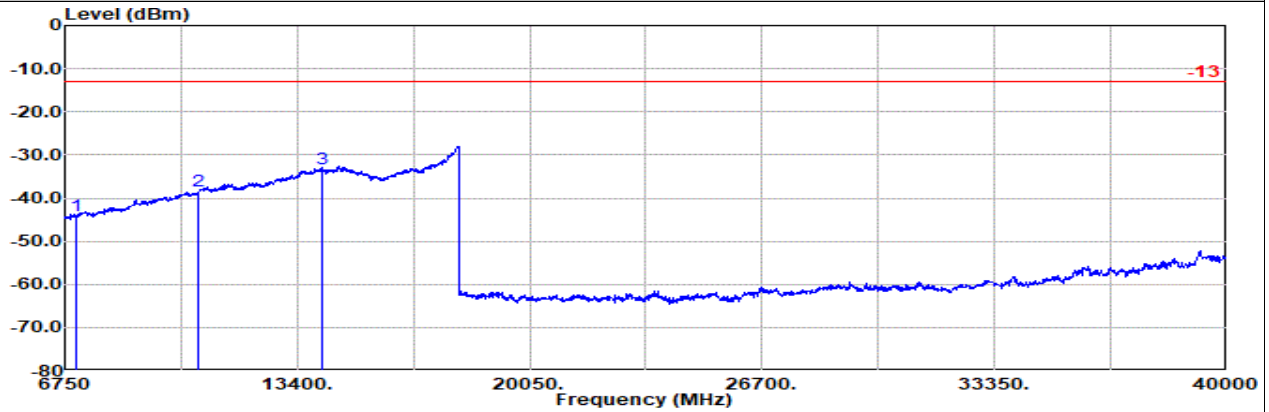


MIMO2 Antenna

Part 27Q Mode 2

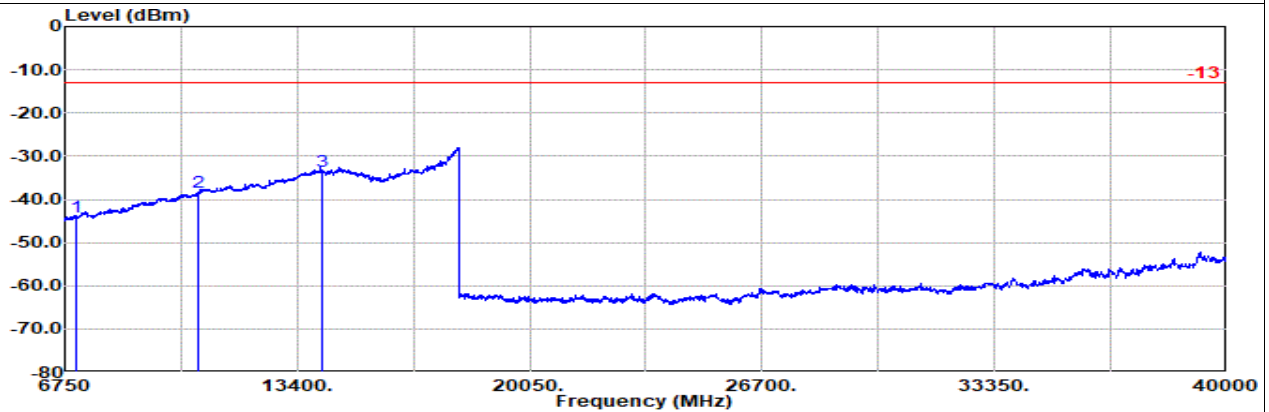
LTE CA 42C Ch42792 + Ch42990

H



Site : 03CH16-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 42 20M Ch42792 1RB99 QPSK
: LTE Band 42 20M Ch42990 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
				Factor	1						
1	7058.00	-44.15	RMS	36.05	-17.11	1.22	-95.23	30.92	-13.00	-31.15	Horizontal
2	10587.00	-38.21	RMS	38.80	-13.66	0.45	-95.23	31.43	-13.00	-25.21	Horizontal
3	14116.00	-33.35	RMS	40.97	-11.76	0.43	-95.23	32.24	-13.00	-20.35	Horizontal



Site : 03CH16-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 42 20M Ch42792 1RB99 QPSK
: LTE Band 42 20M Ch42990 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
				Factor	1						
1	7058.00	-44.18	RMS	36.05	-17.11	1.22	-95.23	30.89	-13.00	-31.18	Vertical
2	10587.00	-38.48	RMS	38.80	-13.66	0.45	-95.23	31.16	-13.00	-25.48	Vertical
3	14116.00	-33.37	RMS	40.97	-11.76	0.43	-95.23	32.22	-13.00	-20.37	Vertical

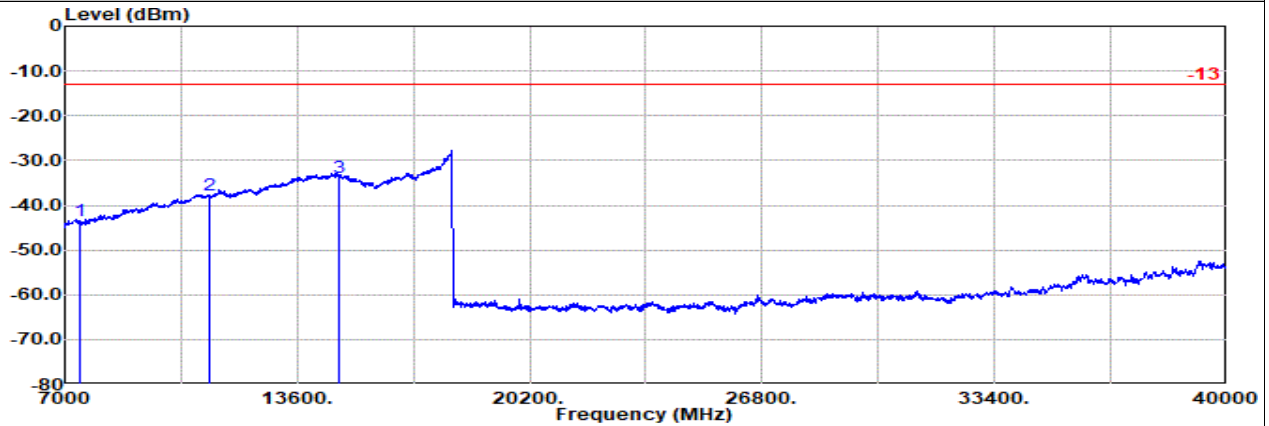


MIMO2 Antenna

Part 270 Mode 1

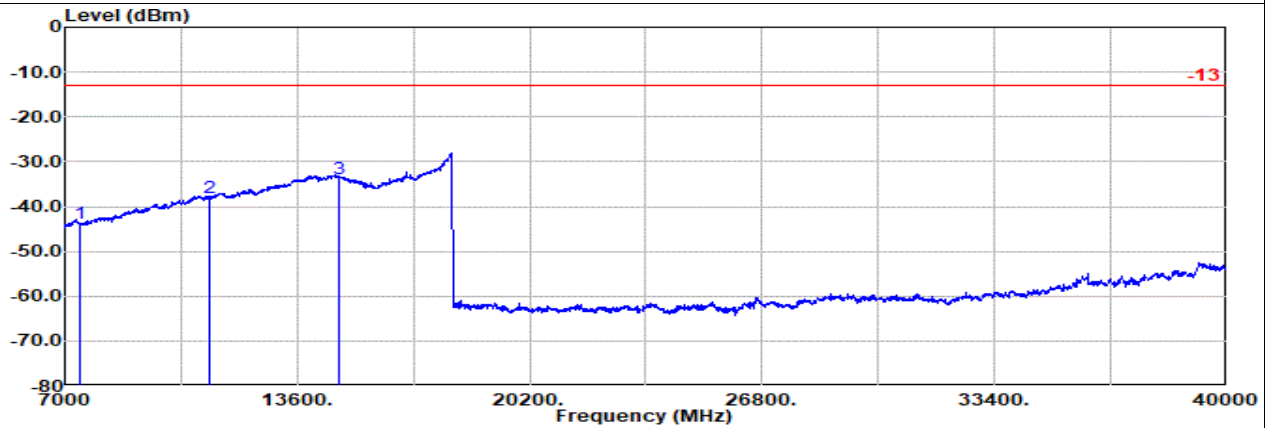
LTE B43 20M Ch44690 1RB0 QPSK

L



Site : 03CH16-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 7407.00	-43.47	RMS	36.39	-16.79	0.90	-95.23	0.00	-13.00	-30.47
2 11103.00	-37.88	RMS	38.70	-13.33	0.44	-95.23	31.54	-13.00	-24.88
3 14799.00	-33.76	RMS	40.20	-11.11	0.50	-95.23	31.88	-13.00	-20.76



Site : 03CH16-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 7407.00	-43.64	RMS	36.39	-16.79	0.90	-95.23	31.09	-13.00	-30.64
2 11103.00	-38.02	RMS	38.70	-13.33	0.44	-95.23	31.40	-13.00	-25.02
3 14799.00	-33.71	RMS	40.20	-11.11	0.50	-95.23	31.93	-13.00	-20.71

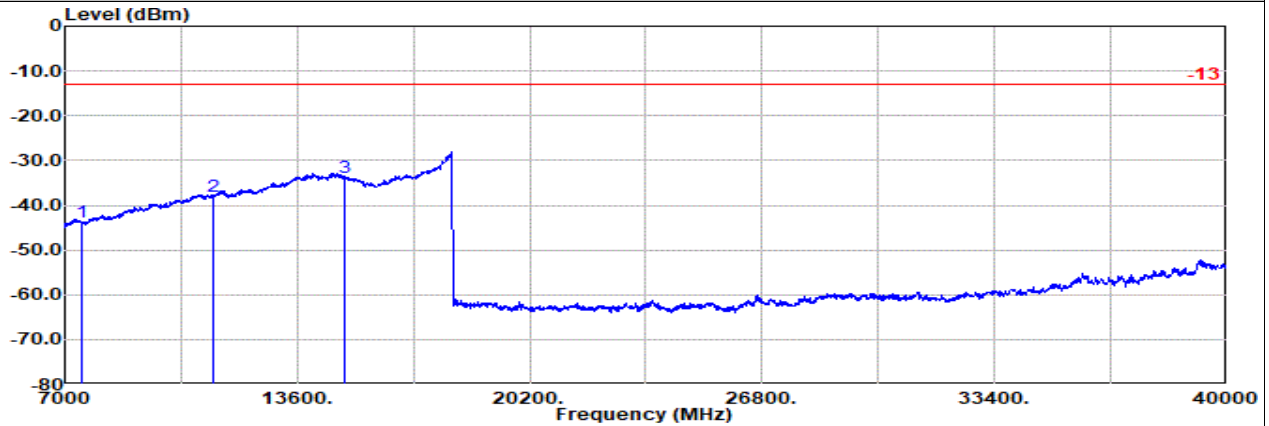


MIMO2 Antenna

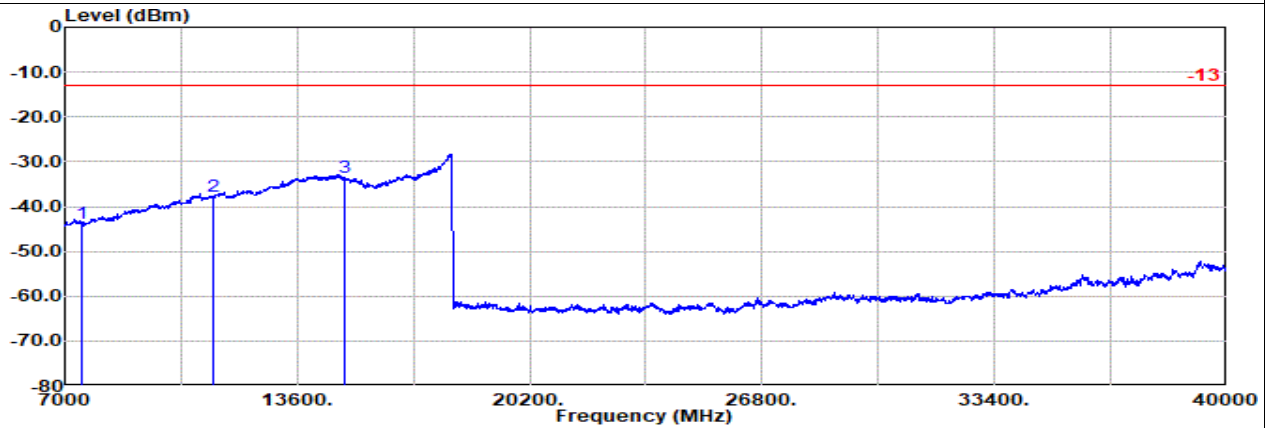
Part 270 Mode 1

LTE B43 20M Ch45090 1RB0 QPSK

M



	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	7484.00	-43.68	RMS	36.23	-16.78	0.94 -95.23	31.16	-13.00	-30.68	Horizontal
2	11224.00	-37.96	RMS	38.75	-13.25	0.44 -95.23	31.33	-13.00	-24.96	Horizontal
3	14964.00	-33.80	RMS	39.80	-10.86	0.52 -95.23	31.97	-13.00	-20.80	Horizontal



	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	7484.00	-43.88	RMS	36.23	-16.78	0.94 -95.23	30.96	-13.00	-30.88	Vertical
2	11224.00	-37.63	RMS	38.75	-13.25	0.44 -95.23	31.66	-13.00	-24.63	Vertical
3	14964.00	-33.54	RMS	39.80	-10.86	0.52 -95.23	32.23	-13.00	-20.54	Vertical

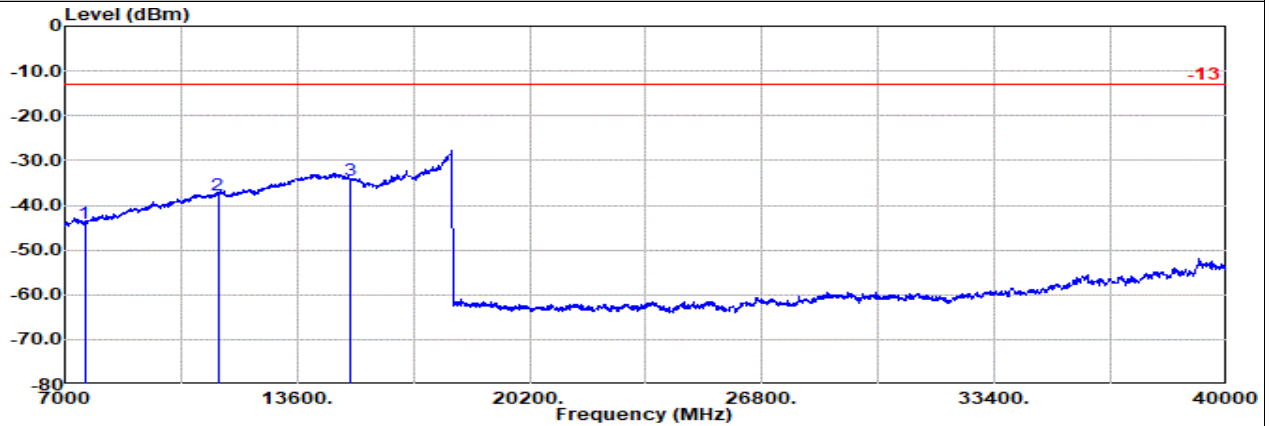


MIMO2 Antenna

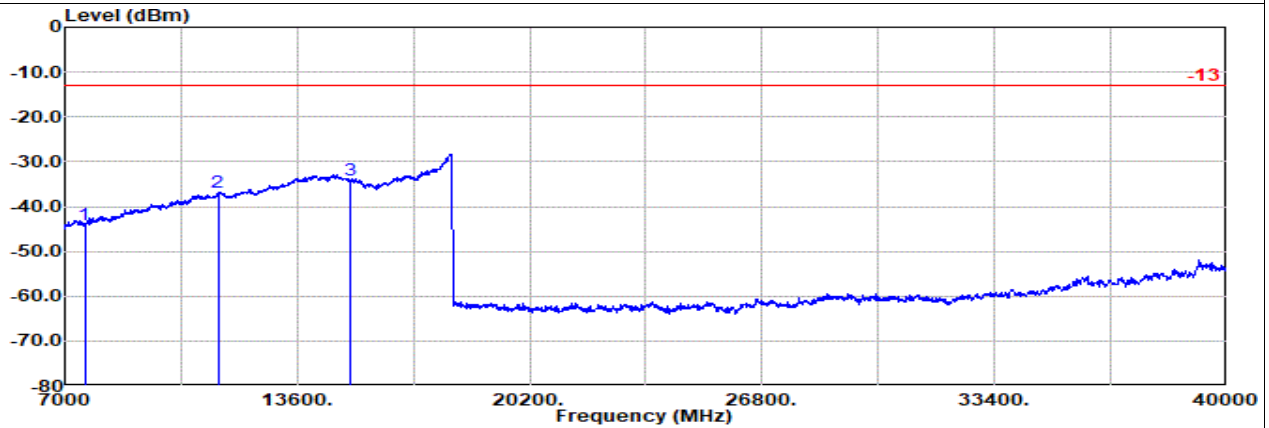
Part 270 Mode 1

LTE B43 20M Ch45490 1RB0 QPSK

H



	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	7561.00	-44.08	RMS	36.02	-16.67	0.97 -95.23	30.83	-13.00	-31.08	Horizontal
2	11345.00	-37.59	RMS	38.99	-13.18	0.44 -95.23	31.39	-13.00	-24.59	Horizontal
3	15129.00	-34.46	RMS	39.18	-10.78	0.54 -95.23	31.83	-13.00	-21.46	Horizontal



	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	7561.00	-44.13	RMS	36.02	-16.67	0.97 -95.23	30.78	-13.00	-31.13	Vertical
2	11345.00	-36.90	RMS	38.99	-13.18	0.44 -95.23	32.08	-13.00	-23.90	Vertical
3	15129.00	-34.15	RMS	39.18	-10.78	0.54 -95.23	32.14	-13.00	-21.15	Vertical

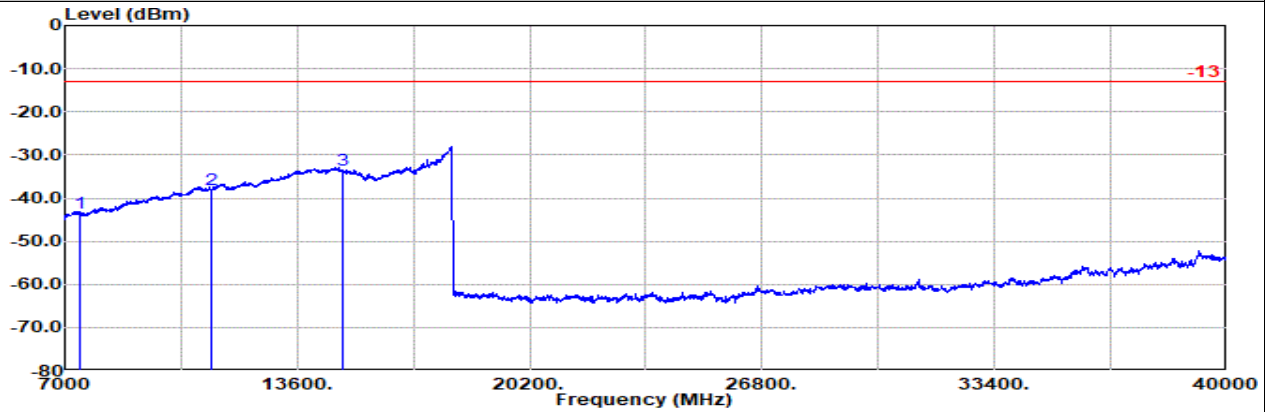


MIMO2 Antenna

Part 270 Mode 2

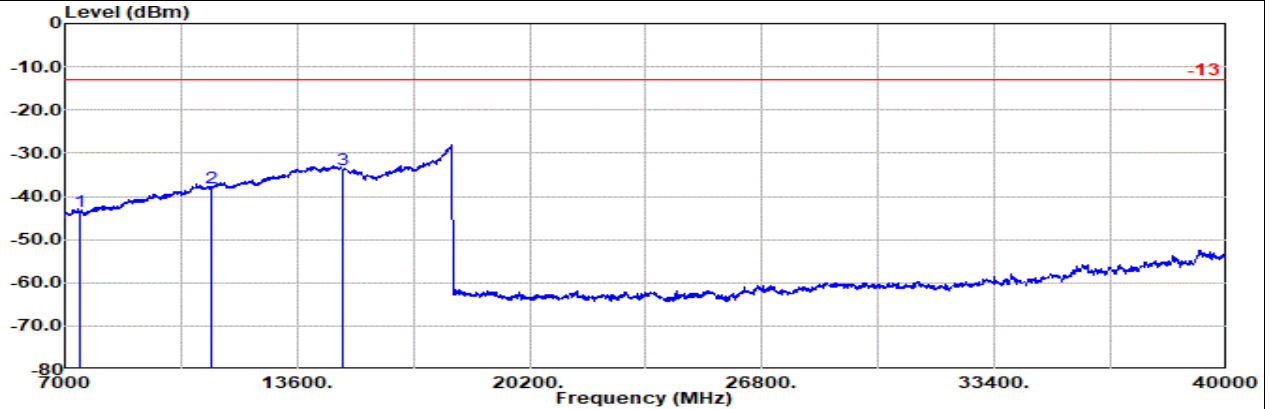
LTE CA 43C Ch44690 + Ch44888

L



Site : 03CH16-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 43 20M Ch44690 1RB99 QPSK
: LTE Band 43 20M Ch44888 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
				Factor	1			dBm	dB		
1	7438.00	-43.37	RMS	36.32	-16.79	0.92	-95.23	31.41	-13.00	-30.37	Horizontal
2	11157.00	-37.89	RMS	38.70	-13.29	0.44	-95.23	31.49	-13.00	-24.89	Horizontal
3	14877.00	-33.56	RMS	39.94	-10.99	0.51	-95.23	32.21	-13.00	-20.56	Horizontal



Site : 03CH16-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 43 20M Ch44690 1RB99 QPSK
: LTE Band 43 20M Ch44888 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
				Factor	1			dBm	dB		
1	7438.00	-43.56	RMS	36.32	-16.79	0.92	-95.23	31.22	-13.00	-30.56	Vertical
2	11157.00	-37.92	RMS	38.70	-13.29	0.44	-95.23	31.46	-13.00	-24.92	Vertical
3	14877.00	-33.69	RMS	39.94	-10.99	0.51	-95.23	32.08	-13.00	-20.69	Vertical

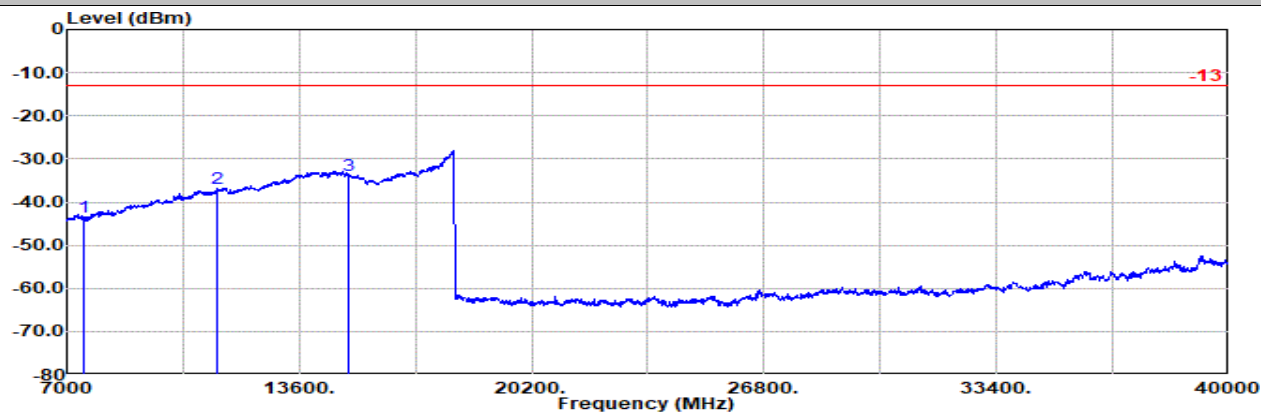


MIMO2 Antenna

Part 270 Mode 2

LTE CA 43C Ch44991 + Ch45189

M



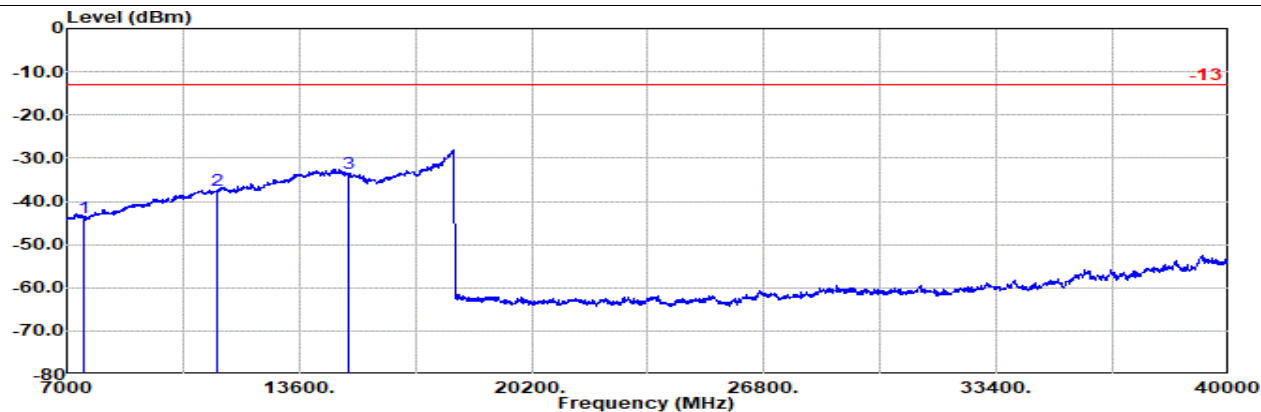
Site : 03CH16-HY

Condition: -13 1m SHF_00993_231124 Horizontal

: LTE Band 43 20M Ch44991 1RB99 QPSK

: LTE Band 43 20M Ch45189 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
				Factor	1			dBuV	dBm		
1	7498.00	-43.40	RMS	36.20	-16.78	0.94	-95.23	31.47	-13.00	-30.40	Horizontal
2	11247.00	-36.69	RMS	38.79	-13.24	0.44	-95.23	32.55	-13.00	-23.69	Horizontal
3	14996.00	-33.67	RMS	39.80	-10.81	0.52	-95.23	32.05	-13.00	-20.67	Horizontal



Site : 03CH16-HY

Condition: -13 1m SHF_00993_231124 Vertical

: LTE Band 43 20M Ch44991 1RB99 QPSK

: LTE Band 43 20M Ch45189 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
				Factor	1			dBuV	dBm		
1	7498.00	-43.67	RMS	36.20	-16.78	0.94	-95.23	31.20	-13.00	-30.67	Vertical
2	11247.00	-37.40	RMS	38.79	-13.24	0.44	-95.23	31.84	-13.00	-24.40	Vertical
3	14996.00	-33.57	RMS	39.80	-10.81	0.52	-95.23	32.15	-13.00	-20.57	Vertical

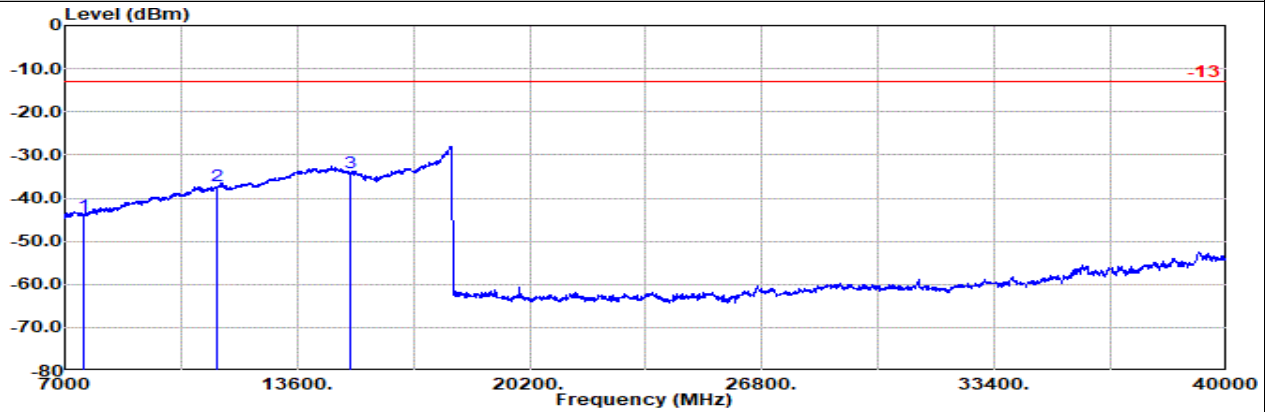


MIMO2 Antenna

Part 270 Mode 2

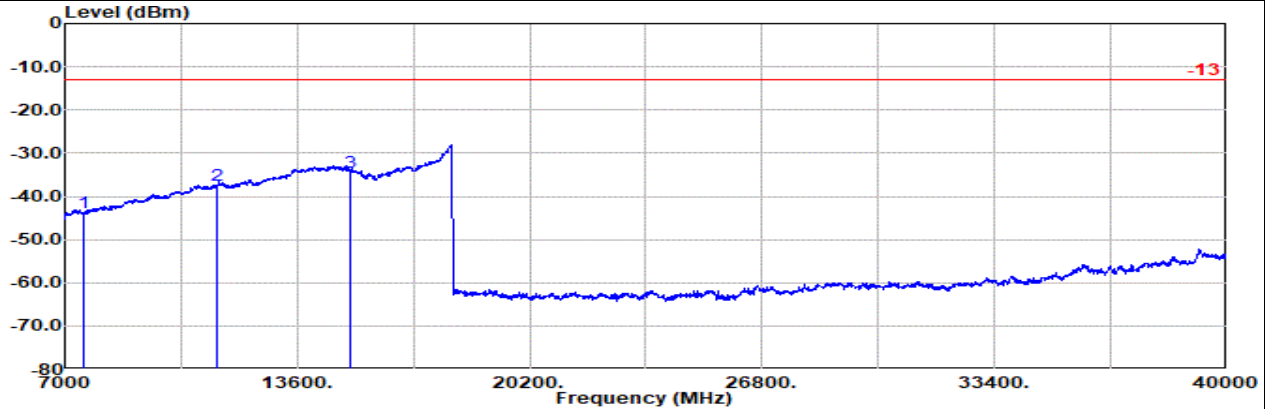
LTE CA 43C Ch45292 + Ch45490

H



Site : 03CH16-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 43 20M Ch45292 1RB99 QPSK
: LTE Band 43 20M Ch45490 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
				Factor	1			dB	dBm		
1	7558.00	-43.93	RMS	36.02	-16.67	0.97	-95.23	30.98	-13.00	-30.93	Horizontal
2	11337.00	-37.17	RMS	38.97	-13.18	0.44	-95.23	31.83	-13.00	-24.17	Horizontal
3	15116.00	-34.18	RMS	39.24	-10.78	0.54	-95.23	32.05	-13.00	-21.18	Horizontal



Site : 03CH16-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 43 20M Ch45292 1RB99 QPSK
: LTE Band 43 20M Ch45490 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
				Factor	1			dB	dBm		
1	7558.00	-43.78	RMS	36.02	-16.67	0.97	-95.23	31.13	-13.00	-30.78	Vertical
2	11337.00	-37.47	RMS	38.97	-13.18	0.44	-95.23	31.53	-13.00	-24.47	Vertical
3	15116.00	-34.34	RMS	39.24	-10.78	0.54	-95.23	31.89	-13.00	-21.34	Vertical

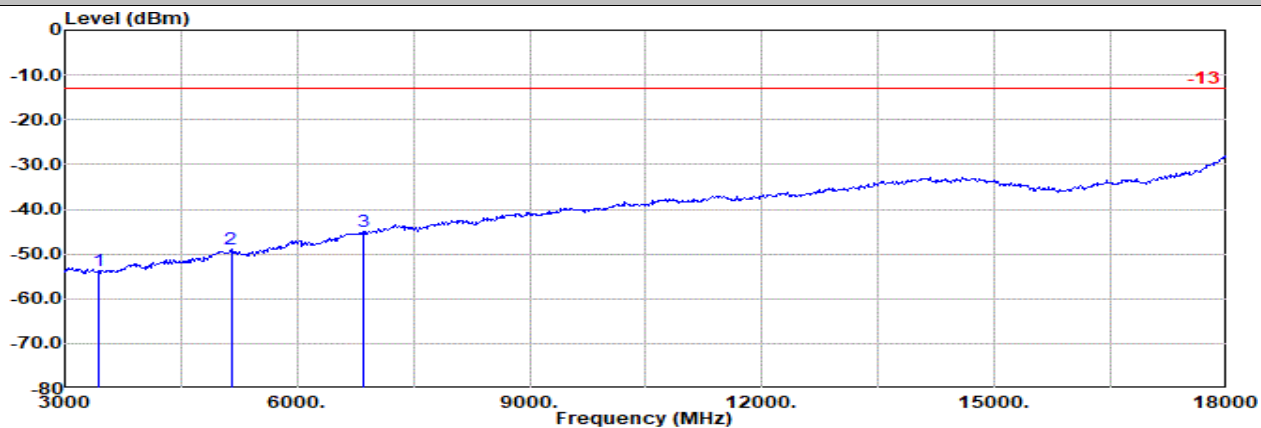


Main Antenna

Part 27L Mode 2

LTE B66 20M Ch132072 1RB0 QPSK

L

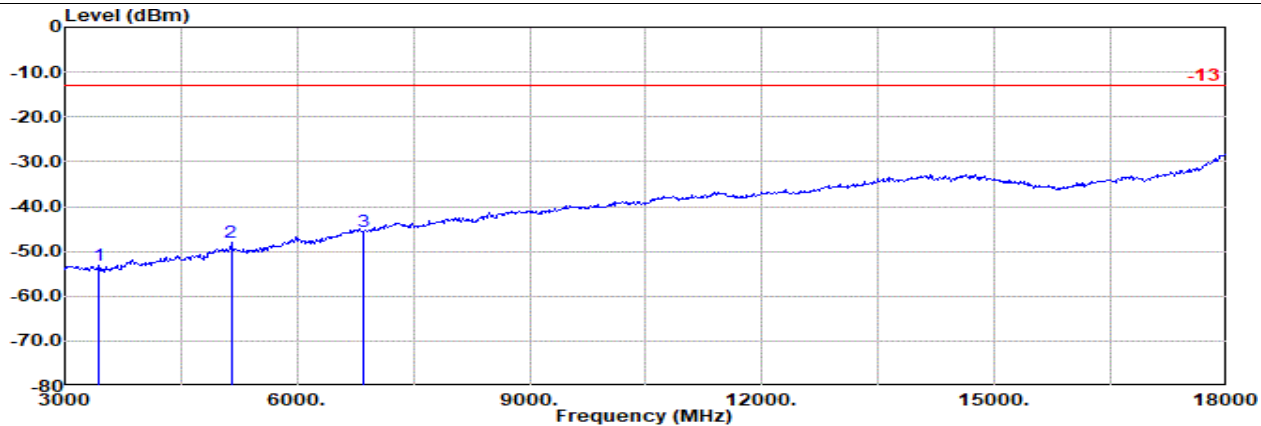


Site : 03CH16-HY

Condition: -13 3m 9120D-1522_240328 Horizontal

: LTE Band 66 20M Ch132072 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	Amp\Cb						
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	3430.00	-53.60	RMS	29.44	-20.56	0.91	-95.23	31.84	-13.00	-40.60	Horizontal
2	5145.00	-48.85	RMS	32.99	-18.05	0.46	-95.23	30.98	-13.00	-35.85	Horizontal
3	6860.00	-45.03	RMS	35.72	-17.03	0.40	-95.23	31.11	-13.00	-32.03	Horizontal



Site : 03CH16-HY

Condition: -13 3m 9120D-1522_240328 Vertical

: LTE Band 66 20M Ch132072 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	Amp\Cb						
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	3430.00	-53.18	RMS	29.44	-20.56	0.91	-95.23	32.26	-13.00	-40.18	Vertical
2	5145.00	-48.03	RMS	32.99	-18.05	0.46	-95.23	31.80	-13.00	-35.03	Vertical
3	6860.00	-45.63	RMS	35.72	-17.03	0.40	-95.23	30.51	-13.00	-32.63	Vertical

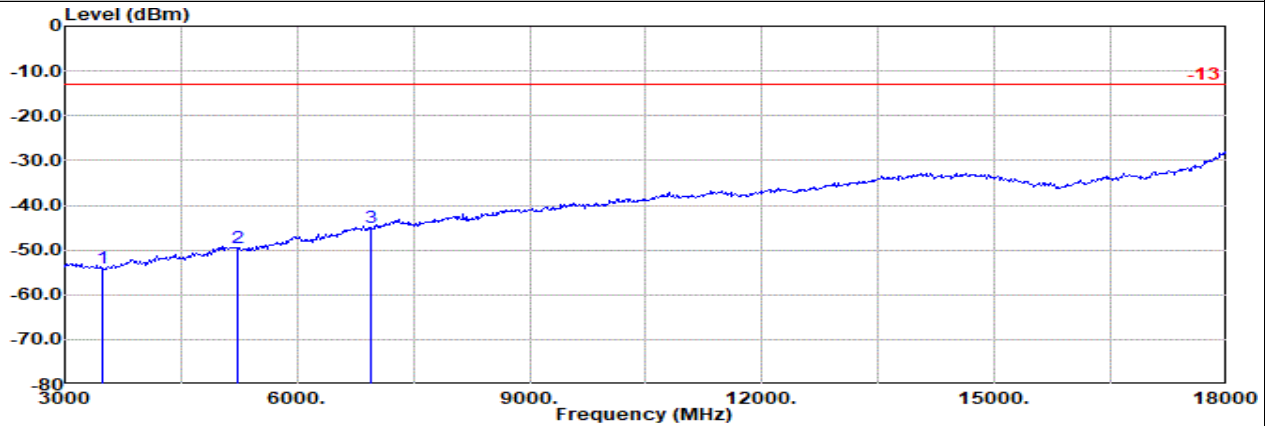


Main Antenna

Part 27L Mode 2

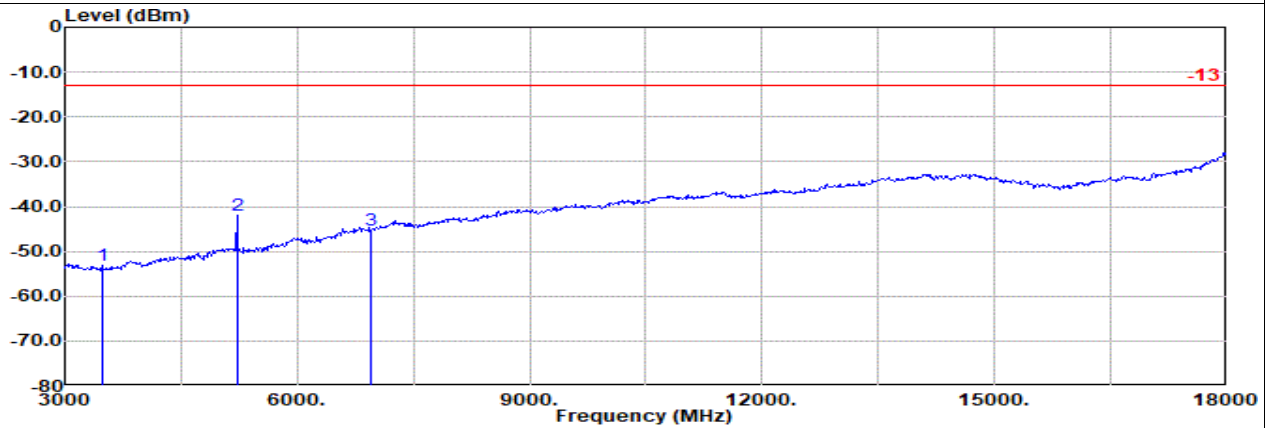
LTE B66 20M Ch132322 1RB0 QPSK

M



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Horizontal
: LTE Band 66 20M Ch132322 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	3480.00	-54.16	RMS	29.40	-20.47	0.91	-95.23	31.23	-13.00	-41.16	Horizontal
2	5220.00	-49.63	RMS	32.96	-17.97	0.45	-95.23	30.16	-13.00	-36.63	Horizontal
3	6960.00	-44.97	RMS	35.80	-17.11	0.38	-95.23	31.19	-13.00	-31.97	Horizontal



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Vertical
: LTE Band 66 20M Ch132322 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	3480.00	-53.07	RMS	29.40	-20.47	0.91	-95.23	32.32	-13.00	-40.07	Vertical
2	5220.00	-41.83	RMS	32.96	-17.97	0.45	-95.23	37.96	-13.00	-28.83	Vertical
3	6960.00	-45.21	RMS	35.80	-17.11	0.38	-95.23	30.95	-13.00	-32.21	Vertical

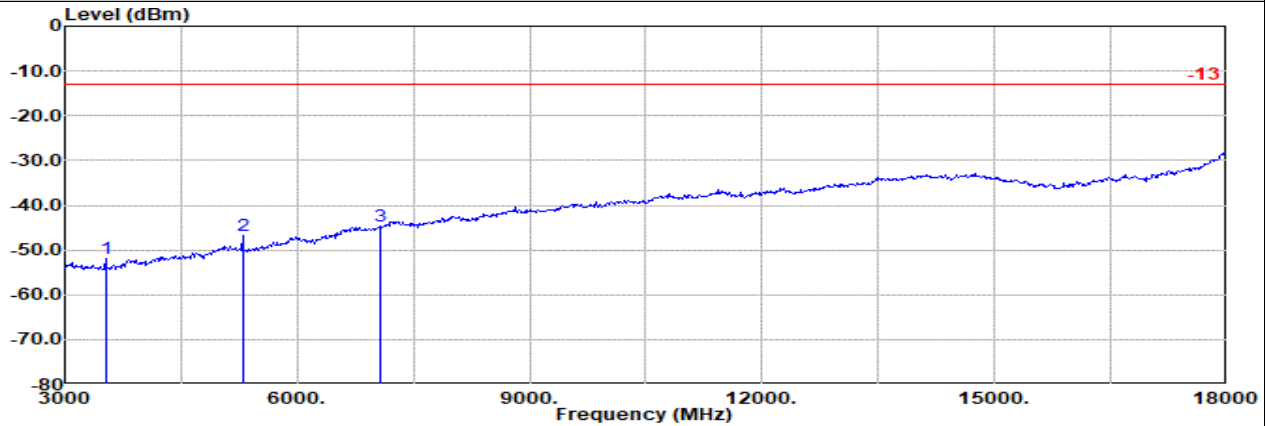


Main Antenna

Part 27L Mode 2

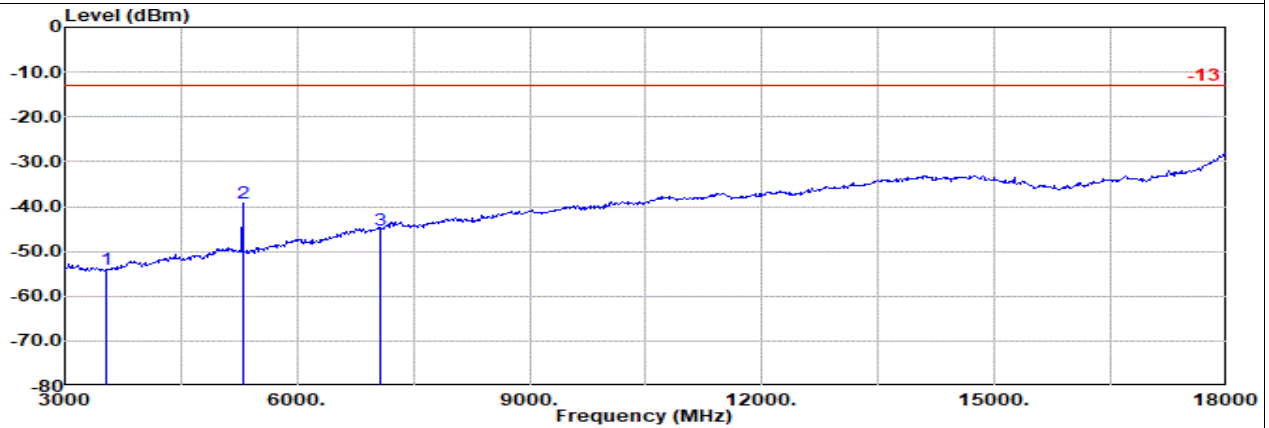
LTE B66 20M Ch132572 1RB0 QPSK

H



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Horizontal
: 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	dBuV	dBm	dB	
1	3525.00	-52.03	RMS	29.45	-20.44	0.90	-95.23	33.29	-13.00	-39.03	Horizontal
2	5295.00	-46.76	RMS	32.81	-17.91	0.43	-95.23	33.14	-13.00	-33.76	Horizontal
3	7065.00	-44.70	RMS	36.09	-17.10	0.43	-95.23	31.11	-13.00	-31.70	Horizontal



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Vertical
: 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	dBuV	dBm	dB	
1	3525.00	-54.10	RMS	29.45	-20.44	0.90	-95.23	31.22	-13.00	-41.10	Vertical
2	5295.00	-39.19	RMS	32.81	-17.91	0.43	-95.23	40.71	-13.00	-26.19	Vertical
3	7065.00	-45.15	RMS	36.09	-17.10	0.43	-95.23	30.66	-13.00	-32.15	Vertical

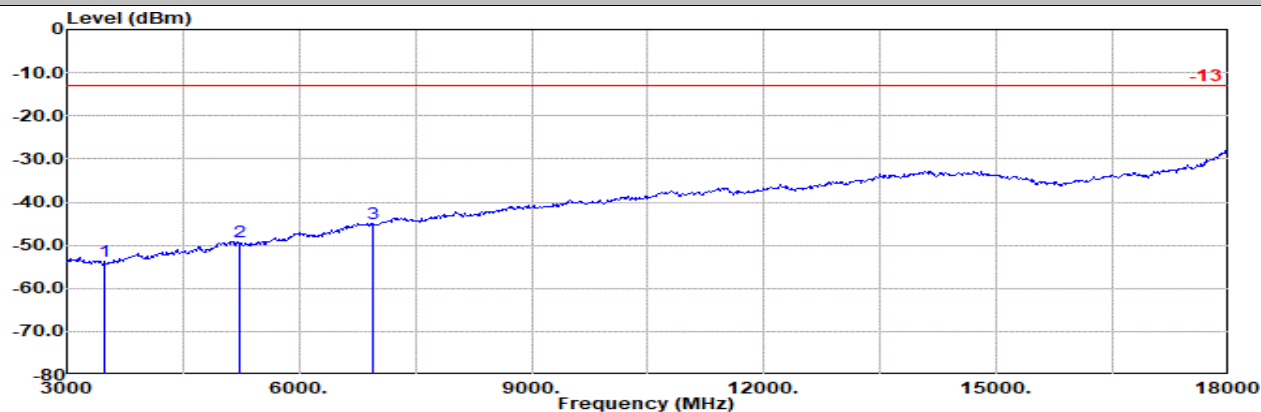


Main Antenna

Part 27L Mode 3

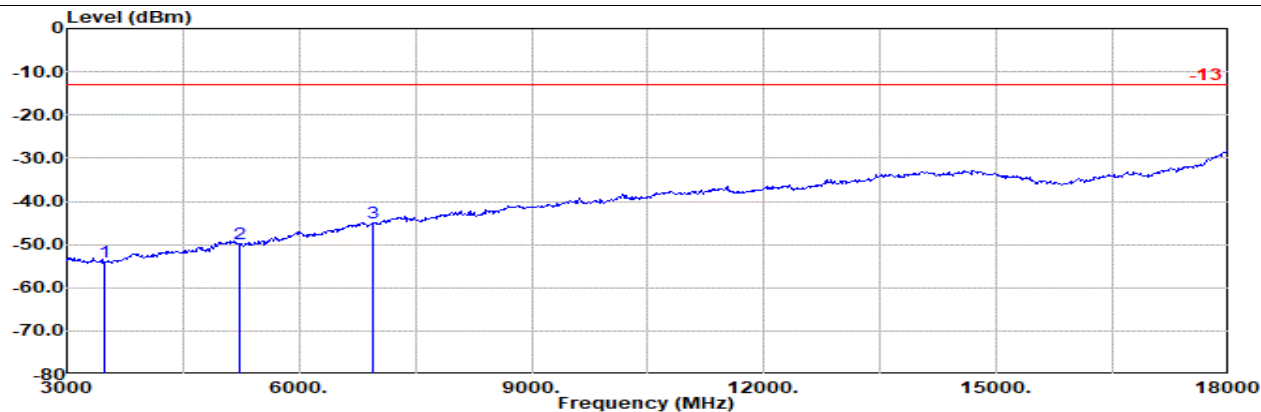
LTE CA 13A-66A Ch23230 + Ch132322

M



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Horizontal
: LTE Band 13 10M Ch23230 1RB49 QPSK
: LTE Band 66 20M Ch132322 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
				Factor	1			dBm	dB		
1	3481.00	-53.86	RMS	29.40	-20.47	0.91 -95.23	31.53	-13.00	-40.86	Horizontal	
2	5221.00	-49.30	RMS	32.96	-17.97	0.45 -95.23	30.49	-13.00	-36.30	Horizontal	
3	6962.00	-45.13	RMS	35.80	-17.12	0.38 -95.23	31.04	-13.00	-32.13	Horizontal	



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Vertical
: LTE Band 13 10M Ch23230 1RB49 QPSK
: LTE Band 66 20M Ch132322 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
				Factor	1			dBm	dB		
1	3481.00	-54.13	RMS	29.40	-20.47	0.91 -95.23	31.26	-13.00	-41.13	Vertical	
2	5221.00	-49.74	RMS	32.96	-17.97	0.45 -95.23	30.05	-13.00	-36.74	Vertical	
3	6962.00	-45.01	RMS	35.80	-17.12	0.38 -95.23	31.16	-13.00	-32.01	Vertical	

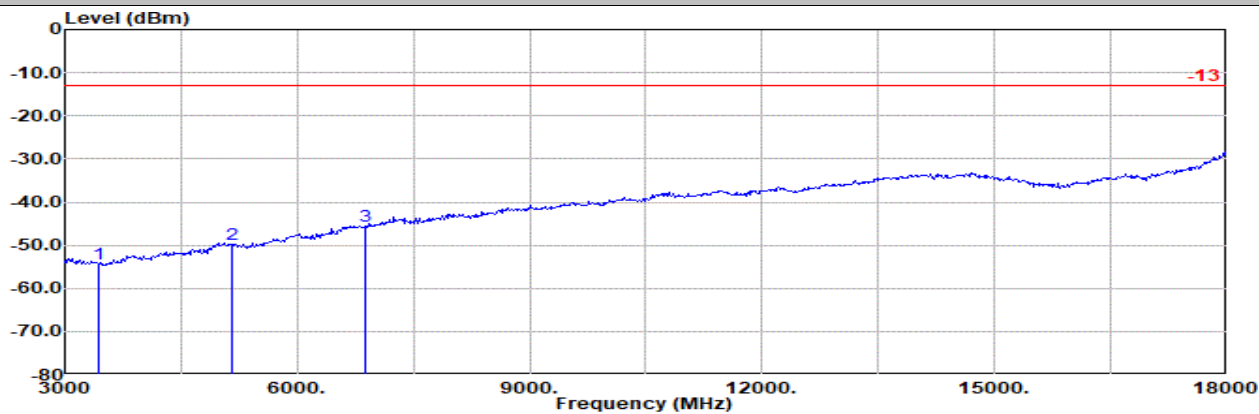


Main Antenna

Part 27L Mode 4

LTE CA 66B Ch132022 + Ch132121

L



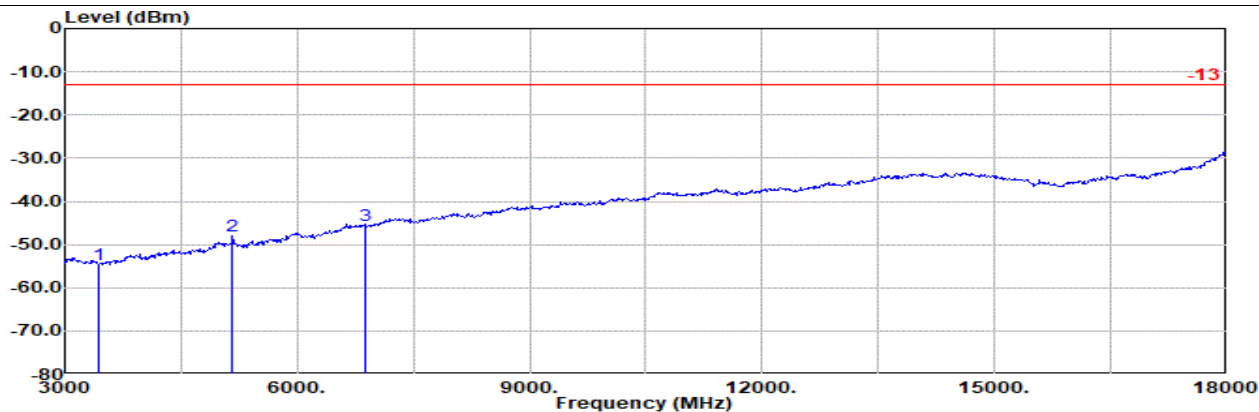
Site : 03CH16-HY

Condition: -13 3m 9120D-1522_240328 Horizontal

: LTE Band 66 10M Ch132022 1RB49 QPSK

: LTE Band 66 10M Ch132121 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	3440.00	-54.47	RMS	29.42	-20.54	0.91	-95.23	30.97	-13.00	-41.47	Horizontal
2	5160.00	-49.89	RMS	33.00	-18.03	0.46	-95.23	29.91	-13.00	-36.89	Horizontal
3	6880.00	-45.53	RMS	35.76	-17.04	0.39	-95.23	30.59	-13.00	-32.53	Horizontal



Site : 03CH16-HY

Condition: -13 3m 9120D-1522_240328 Vertical

: LTE Band 66 10M Ch132022 1RB49 QPSK

: LTE Band 66 10M Ch132121 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	3440.00	-54.68	RMS	29.42	-20.54	0.91	-95.23	30.76	-13.00	-41.68	Vertical
2	5160.00	-47.98	RMS	33.00	-18.03	0.46	-95.23	31.82	-13.00	-34.98	Vertical
3	6880.00	-45.66	RMS	35.76	-17.04	0.39	-95.23	30.46	-13.00	-32.66	Vertical

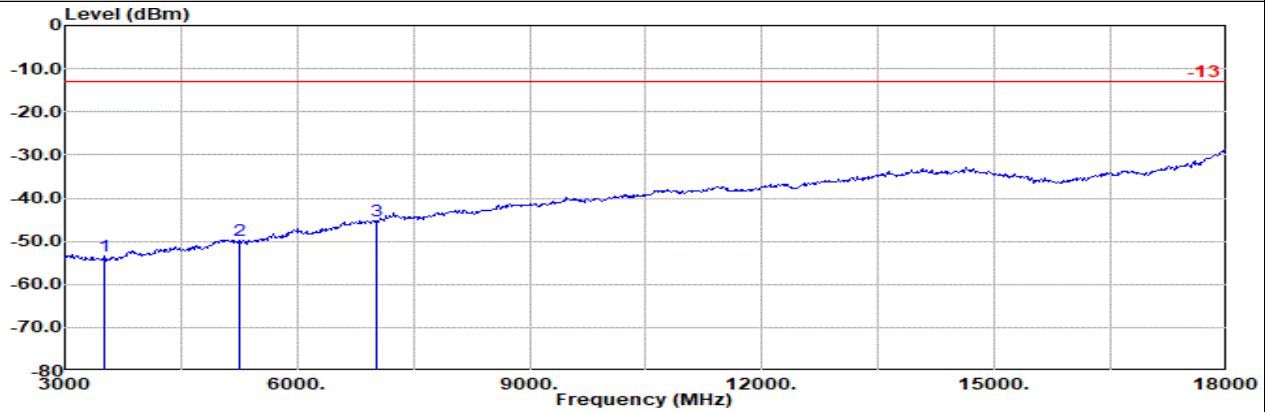


Main Antenna

Part 27L Mode 4

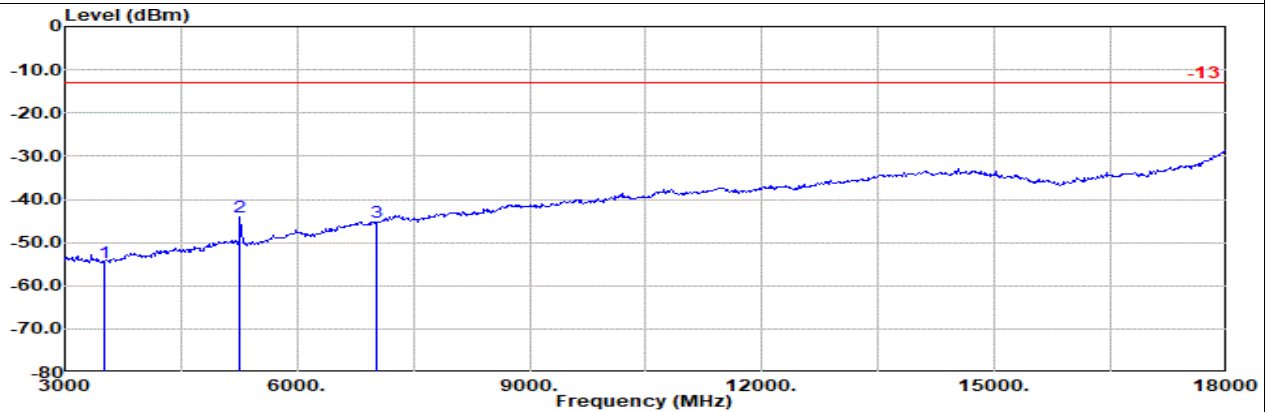
LTE CA 66B Ch132373 + Ch132472

M



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 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	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	3510.00	-53.53	RMS	29.42	-20.44	0.90	-95.23	31.82	-13.00	-40.53	Horizontal
2	5265.00	-49.77	RMS	32.87	-17.93	0.44	-95.23	30.08	-13.00	-36.77	Horizontal
3	7020.00	-45.21	RMS	35.88	-17.13	0.39	-95.23	30.88	-13.00	-32.21	Horizontal



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 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	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	3510.00	-54.62	RMS	29.42	-20.44	0.90	-95.23	30.73	-13.00	-41.62	Vertical
2	5265.00	-43.96	RMS	32.87	-17.93	0.44	-95.23	35.89	-13.00	-30.96	Vertical
3	7020.00	-45.35	RMS	35.88	-17.13	0.39	-95.23	30.74	-13.00	-32.35	Vertical

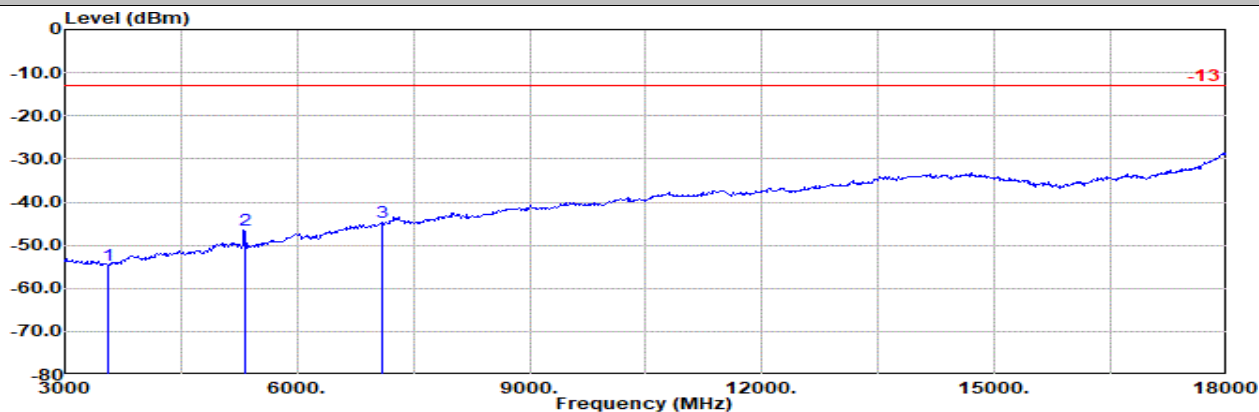


Main Antenna

Part 27L Mode 4

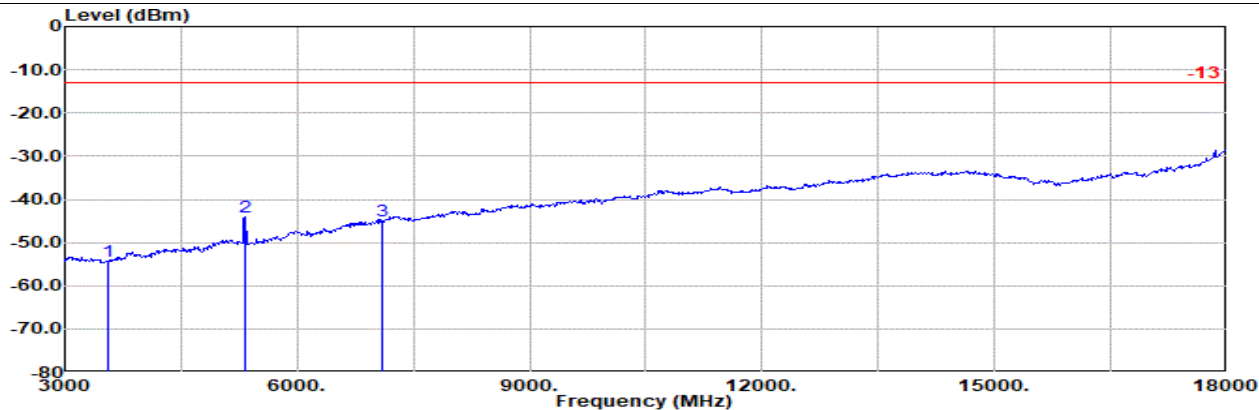
LTE CA 66B Ch132523 + Ch132622

H



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Horizontal
: LTE Band 66 10M Ch132523 1RB49 QPSK
: LTE Band 66 10M Ch132622 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			1			g			
1	3550.00	-54.56	RMS	29.50	-20.44	0.90	-95.23	30.71	-13.00	-41.56	Horizontal
2	5325.00	-46.50	RMS	32.80	-17.88	0.42	-95.23	33.39	-13.00	-33.50	Horizontal
3	7100.00	-44.75	RMS	36.30	-17.07	0.46	-95.23	30.79	-13.00	-31.75	Horizontal



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Vertical
: LTE Band 66 10M Ch132523 1RB49 QPSK
: LTE Band 66 10M Ch132622 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			1			g			
1	3550.00	-54.35	RMS	29.50	-20.44	0.90	-95.23	30.92	-13.00	-41.35	Vertical
2	5325.00	-44.12	RMS	32.80	-17.88	0.42	-95.23	35.77	-13.00	-31.12	Vertical
3	7100.00	-45.10	RMS	36.30	-17.07	0.46	-95.23	30.44	-13.00	-32.10	Vertical

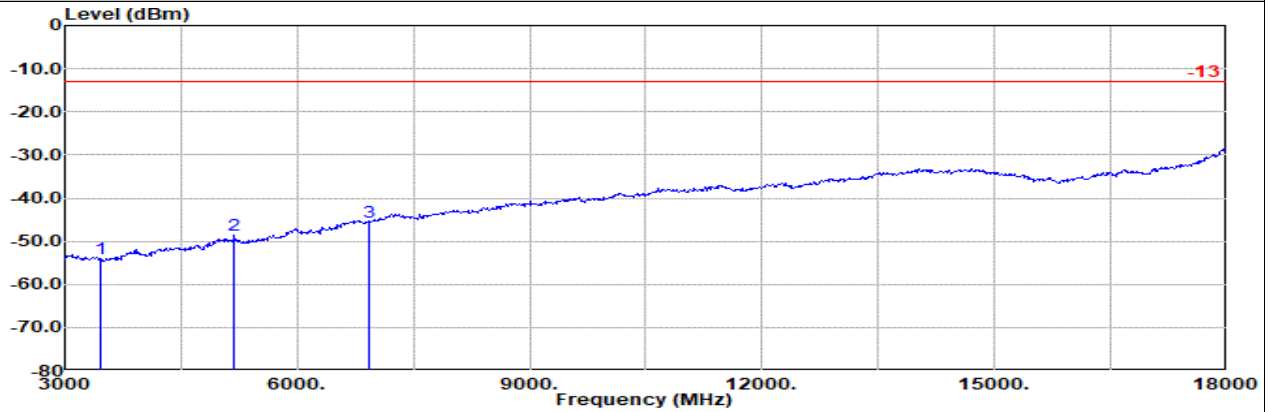


Main Antenna

Part 27L Mode 5

LTE CA 66C Ch132072 + Ch132270

L



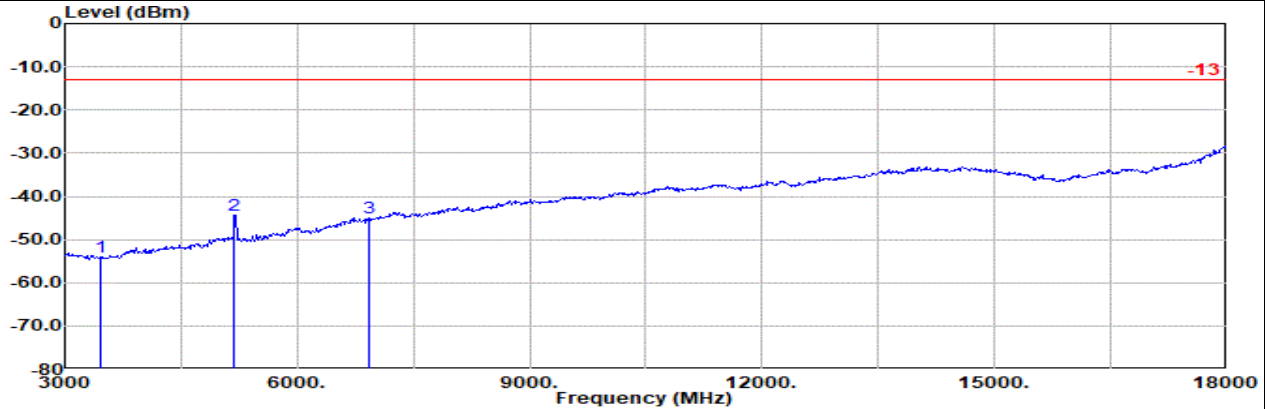
Site : 03CH16-HY

Condition: -13 3m 9120D-1522_240328 Horizontal

: LTE Band 66 20M Ch132072 1RB99 QPSK

: LTE Band 66 20M Ch132270 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm						g		dB	
1	3460.00	-54.07	RMS	29.40	-20.51	0.91	-95.23	31.36	-13.00	-41.07	Horizontal
2	5190.00	-48.51	RMS	33.00	-18.00	0.46	-95.23	31.26	-13.00	-35.51	Horizontal
3	6915.00	-45.45	RMS	35.80	-17.07	0.39	-95.23	30.66	-13.00	-32.45	Horizontal



Site : 03CH16-HY

Condition: -13 3m 9120D-1522_240328 Vertical

: LTE Band 66 20M Ch132072 1RB99 QPSK

: LTE Band 66 20M Ch132270 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm						g		dB	
1	3465.00	-53.93	RMS	29.40	-20.50	0.91	-95.23	31.49	-13.00	-40.93	Vertical
2	5190.00	-44.27	RMS	33.00	-18.00	0.46	-95.23	35.50	-13.00	-31.27	Vertical
3	6920.00	-44.94	RMS	35.80	-17.08	0.39	-95.23	31.18	-13.00	-31.94	Vertical

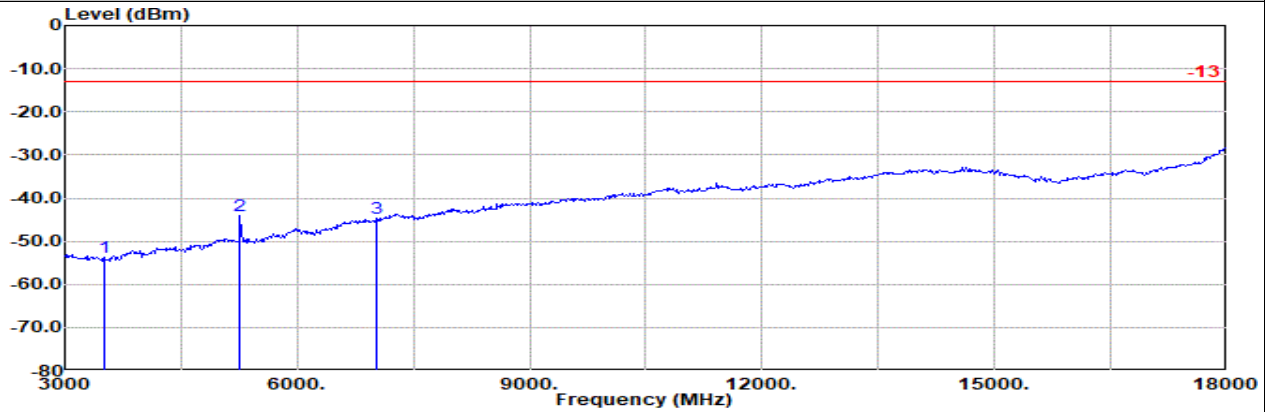


Main Antenna

Part 27L Mode 5

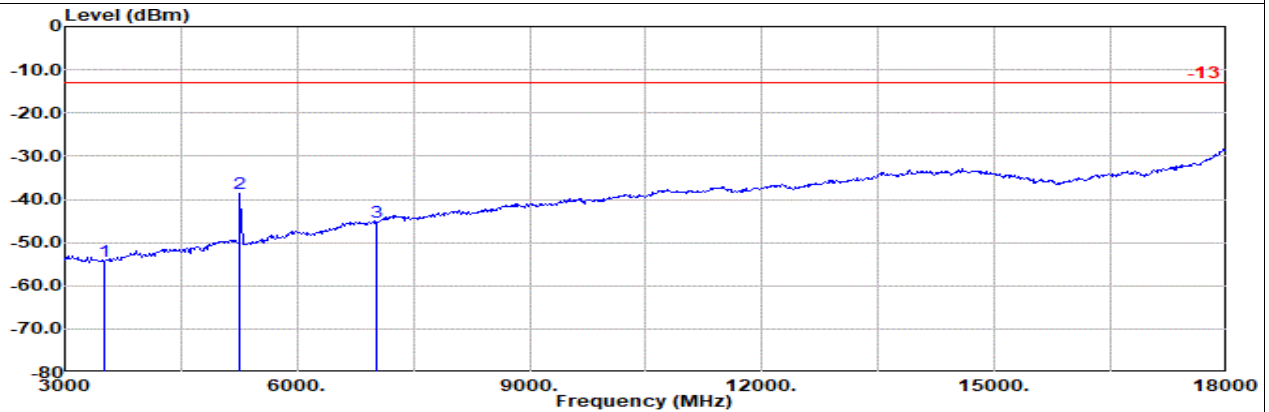
LTE CA 66C Ch132323 + Ch132521

M



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Horizontal
: LTE Band 66 20M Ch132323 1RB99 QPSK
: LTE Band 66 20M Ch132521 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	3510.00	-53.65	RMS	29.42	-20.44	0.90	-95.23	31.70	-13.00	-40.65	Horizontal
2	5265.00	-44.10	RMS	32.87	-17.93	0.44	-95.23	35.75	-13.00	-31.10	Horizontal
3	7020.00	-44.82	RMS	35.88	-17.13	0.39	-95.23	31.27	-13.00	-31.82	Horizontal



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Vertical
: LTE Band 66 20M Ch132323 1RB99 QPSK
: LTE Band 66 20M Ch132521 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	3510.00	-54.30	RMS	29.42	-20.44	0.90	-95.23	31.05	-13.00	-41.30	Vertical
2	5265.00	-38.54	RMS	32.87	-17.93	0.44	-95.23	41.31	-13.00	-25.54	Vertical
3	7020.00	-45.43	RMS	35.88	-17.13	0.39	-95.23	30.66	-13.00	-32.43	Vertical

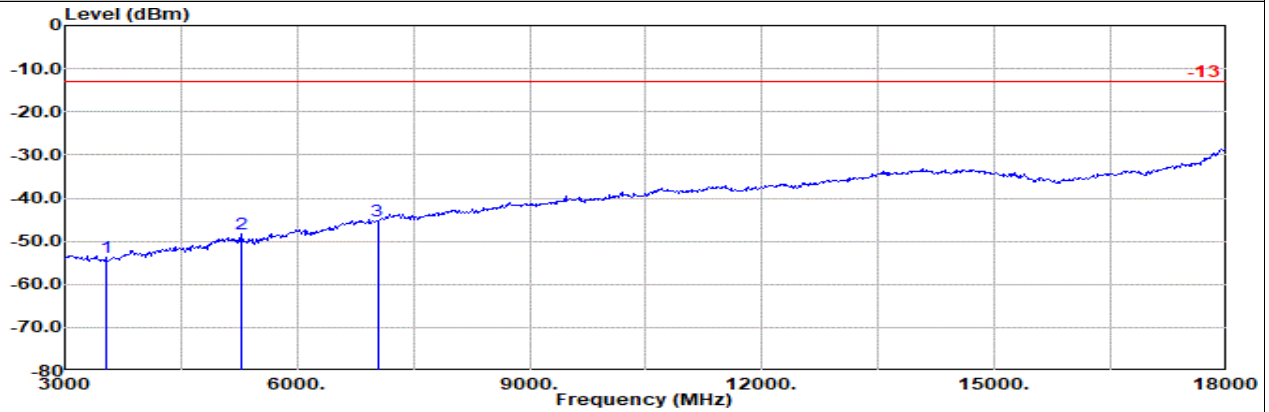


Main Antenna

Part 27L Mode 5

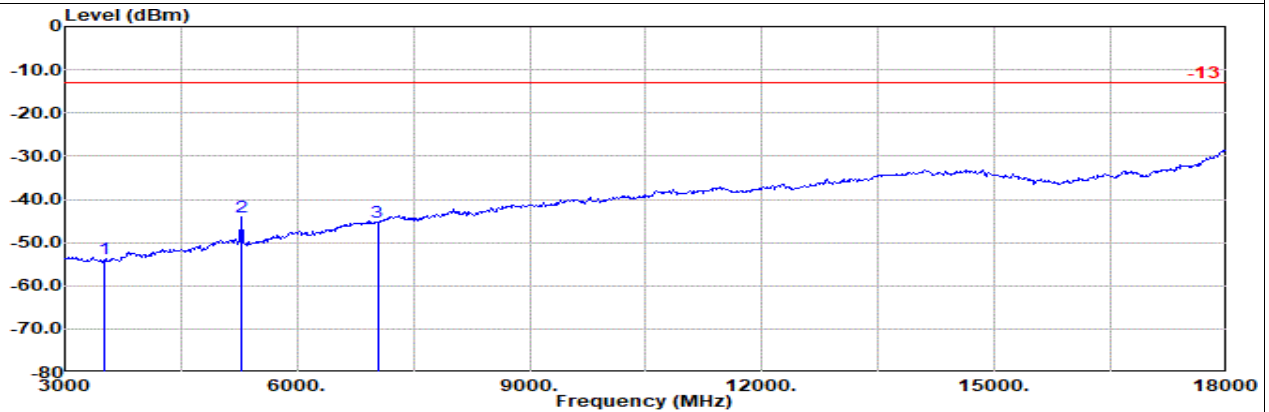
LTE CA 66C Ch132374 + Ch132572

H



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 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	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	3525.00	-53.83	RMS	29.45	-20.44	0.90	-95.23	31.49	-13.00	-40.83	Horizontal
2	5280.00	-48.19	RMS	32.84	-17.92	0.43	-95.23	31.69	-13.00	-35.19	Horizontal
3	7035.00	-45.31	RMS	35.94	-17.12	0.40	-95.23	30.70	-13.00	-32.31	Horizontal



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 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	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	3520.00	-53.86	RMS	29.44	-20.44	0.90	-95.23	31.47	-13.00	-40.86	Vertical
2	5280.00	-43.97	RMS	32.84	-17.92	0.43	-95.23	35.91	-13.00	-30.97	Vertical
3	7035.00	-45.23	RMS	35.94	-17.12	0.40	-95.23	30.78	-13.00	-32.23	Vertical

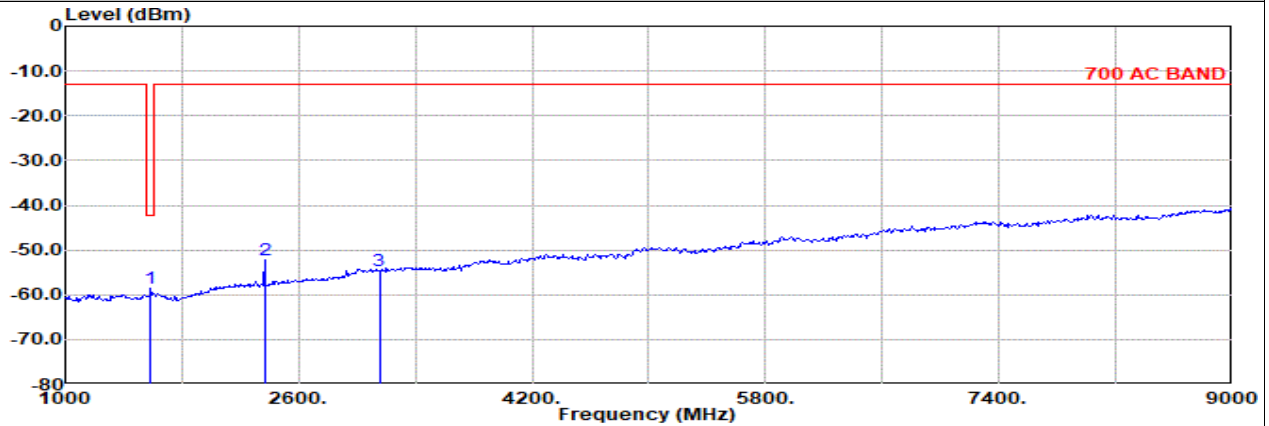


Main Antenna

Part 90R Mode 1

LTE B14 5M Ch23305 1RB0 QPSK

L

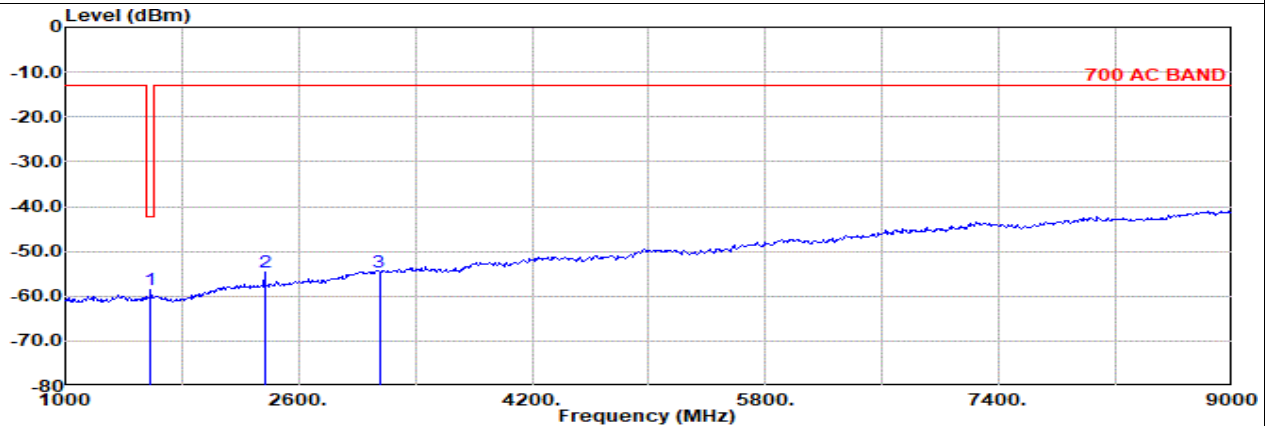


Site : 03CH16-HY

Condition: 700 AC BAND 3m 9120D-1522_240328 Horizontal

: LTE Band 14 5M Ch23305 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	1584.00	-58.60	RMS	25.40	-24.14	0.81	-95.23	34.56	-42.15	-16.45	Horizontal
2	2368.00	-52.09	RMS	27.20	-22.27	0.56	-95.23	37.65	-13.00	-39.09	Horizontal
3	3152.00	-54.73	RMS	29.70	-21.02	0.38	-95.23	31.44	-13.00	-41.73	Horizontal



Site : 03CH16-HY

Condition: 700 AC BAND 3m 9120D-1522_240328 Vertical

: LTE Band 14 5M Ch23305 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	1584.00	-58.48	RMS	25.40	-24.14	0.81	-95.23	34.68	-42.15	-16.33	Vertical
2	2368.00	-54.76	RMS	27.20	-22.27	0.56	-95.23	34.98	-13.00	-41.76	Vertical
3	3152.00	-54.74	RMS	29.70	-21.02	0.38	-95.23	31.43	-13.00	-41.74	Vertical

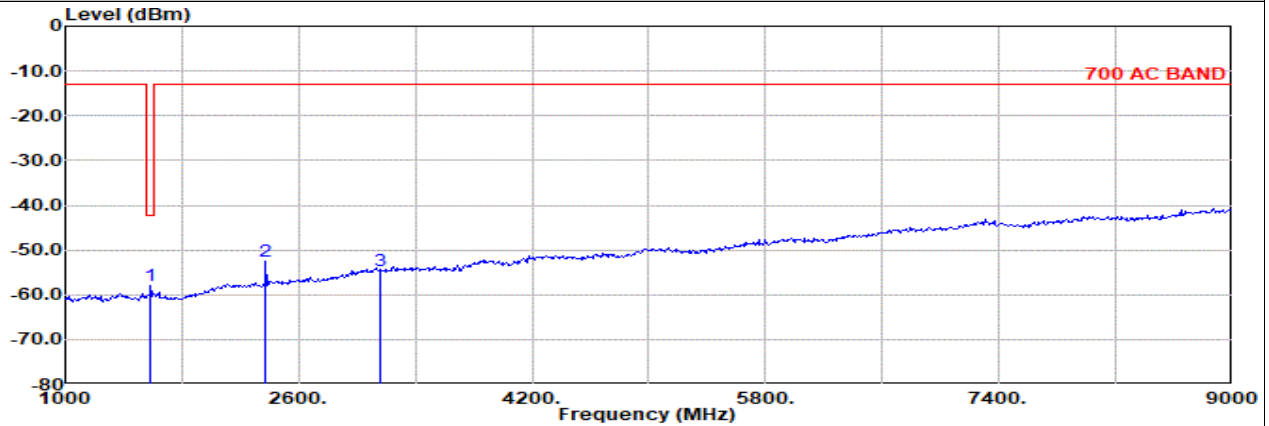


Main Antenna

Part 90R Mode 1

LTE B14 5M Ch23330 1RB0 QPSK

M

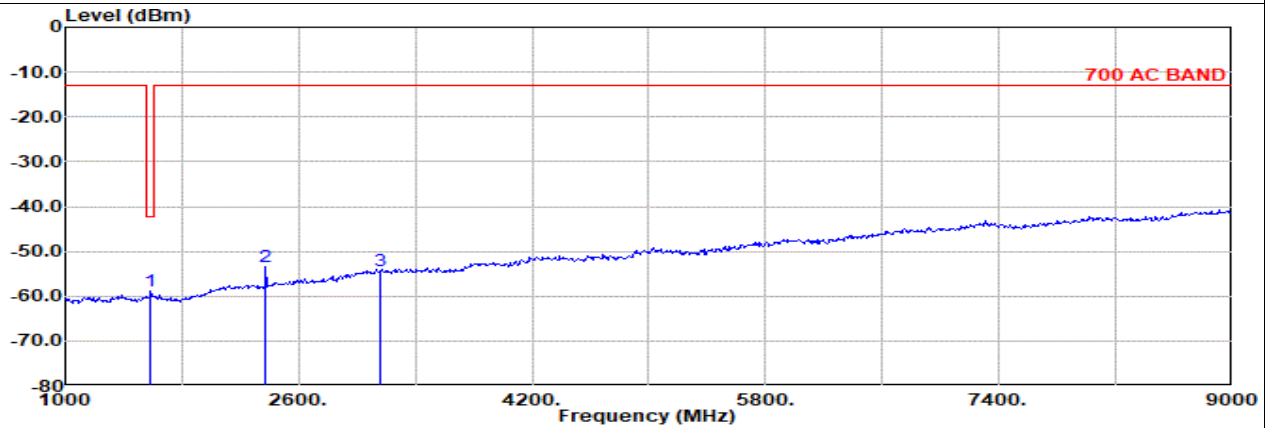


Site : 03CH16-HY

Condition: 700 AC BAND 3m 9120D-1522_240328 Horizontal

: LTE Band 14 5M Ch23330 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	1584.00	-58.01	RMS		25.40	-24.14	0.81	-95.23	35.15	-42.15	Horizontal
2	2376.00	-52.55	RMS		27.20	-22.25	0.56	-95.23	37.17	-13.00	Horizontal
3	3160.00	-54.73	RMS		29.68	-21.01	0.38	-95.23	31.45	-13.00	Horizontal



Site : 03CH16-HY

Condition: 700 AC BAND 3m 9120D-1522_240328 Vertical

: LTE Band 14 5M Ch23330 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	1584.00	-58.81	RMS		25.40	-24.14	0.81	-95.23	34.35	-42.15	Vertical
2	2376.00	-53.39	RMS		27.20	-22.25	0.56	-95.23	36.33	-13.00	Vertical
3	3160.00	-54.42	RMS		29.68	-21.01	0.38	-95.23	31.76	-13.00	Vertical

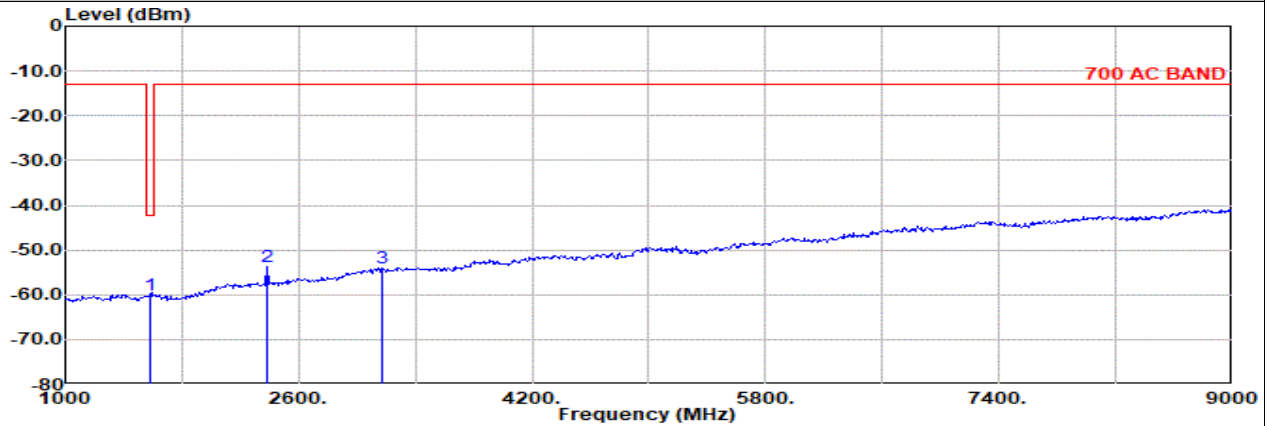


Main Antenna

Part 90R Mode 1

LTE B14 5M Ch23335 1RB0 QPSK

H

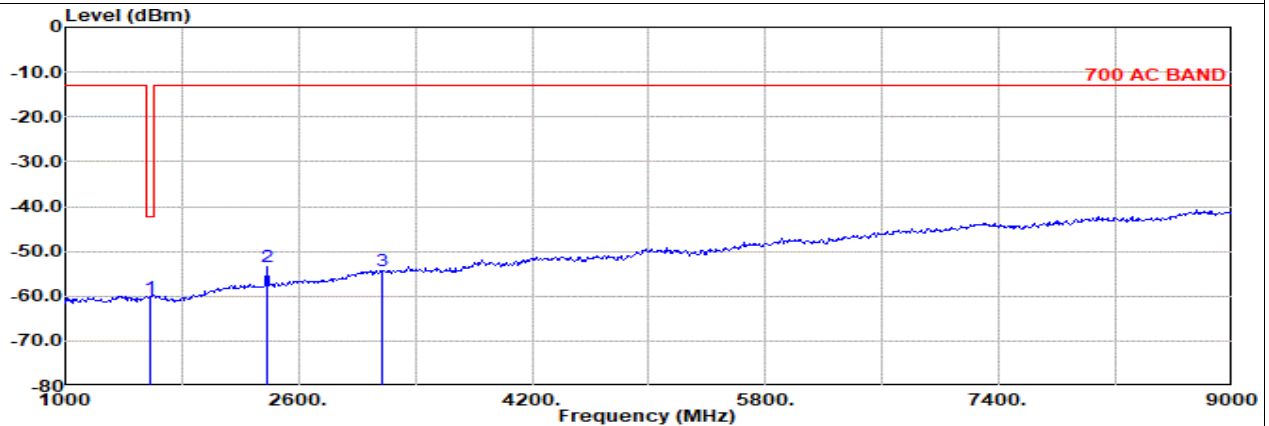


Site : 03CH16-HY

Condition: 700 AC BAND 3m 9120D-1522_240328 Horizontal

: LTE Band 14 5M Ch23355 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm				dB	dB	dBuV	dBm	dB	
1	1584.00	-60.15	RMS	25.40	-24.14	0.81	-95.23	33.01	-42.15	-18.00	Horizontal
2	2384.00	-53.88	RMS	27.24	-22.23	0.55	-95.23	35.79	-13.00	-40.88	Horizontal
3	3176.00	-54.03	RMS	29.65	-20.98	0.38	-95.23	32.15	-13.00	-41.03	Horizontal



Site : 03CH16-HY

Condition: 700 AC BAND 3m 9120D-1522_240328 Vertical

: LTE Band 14 5M Ch23355 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm				dB	dB	dBuV	dBm	dB	
1	1584.00	-60.28	RMS	25.40	-24.14	0.81	-95.23	32.88	-42.15	-18.13	Vertical
2	2384.00	-53.49	RMS	27.24	-22.23	0.55	-95.23	36.18	-13.00	-40.49	Vertical
3	3176.00	-54.25	RMS	29.65	-20.98	0.38	-95.23	31.93	-13.00	-41.25	Vertical

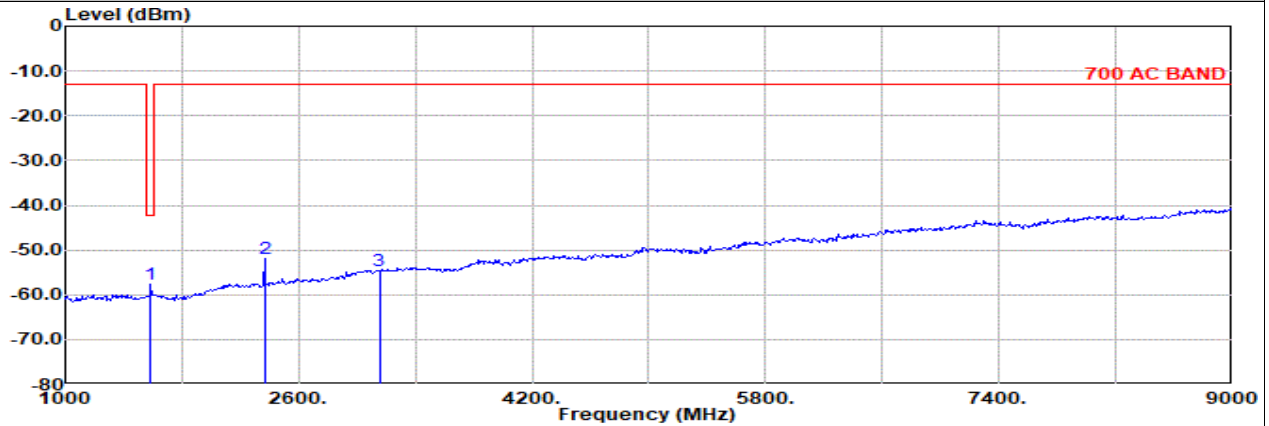


Main Antenna

Part 90R Mode 2

LTE B14 10M Ch23330 1RB0 QPSK

M

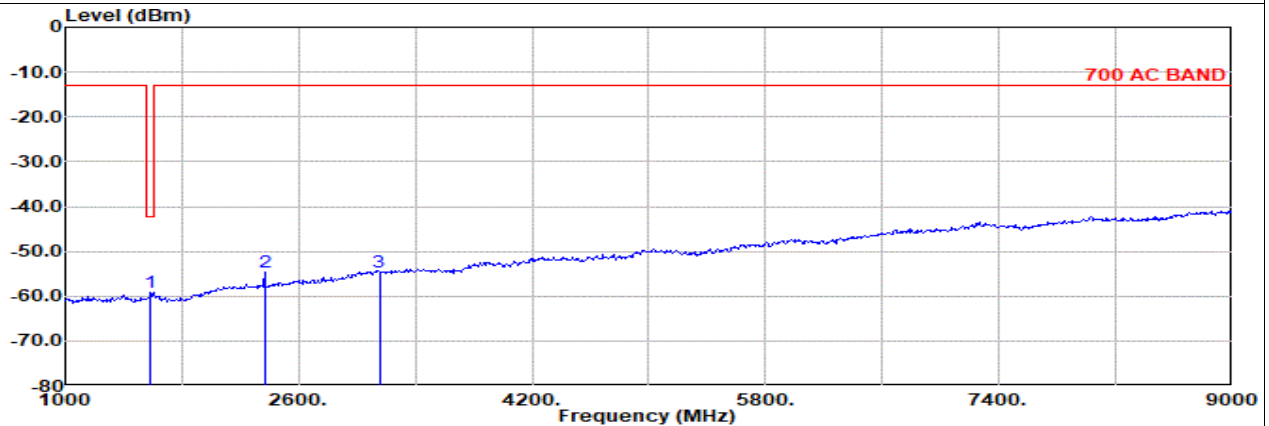


Site : 03CH16-HY

Condition: 700 AC BAND 3m 9120D-1522_240328 Horizontal

: LTE Band 14 10M Ch23330 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	1584.00	-57.57	RMS	25.40	-24.14	0.81	-95.23	35.59	-42.15	-15.42	Horizontal
2	2368.00	-52.02	RMS	27.20	-22.27	0.56	-95.23	37.72	-13.00	-39.02	Horizontal
3	3152.00	-54.67	RMS	29.70	-21.02	0.38	-95.23	31.50	-13.00	-41.67	Horizontal



Site : 03CH16-HY

Condition: 700 AC BAND 3m 9120D-1522_240328 Vertical

: LTE Band 14 10M Ch23330 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	1584.00	-59.23	RMS	25.40	-24.14	0.81	-95.23	33.93	-42.15	-17.08	Vertical
2	2368.00	-54.76	RMS	27.20	-22.27	0.56	-95.23	34.98	-13.00	-41.76	Vertical
3	3152.00	-54.55	RMS	29.70	-21.02	0.38	-95.23	31.62	-13.00	-41.55	Vertical

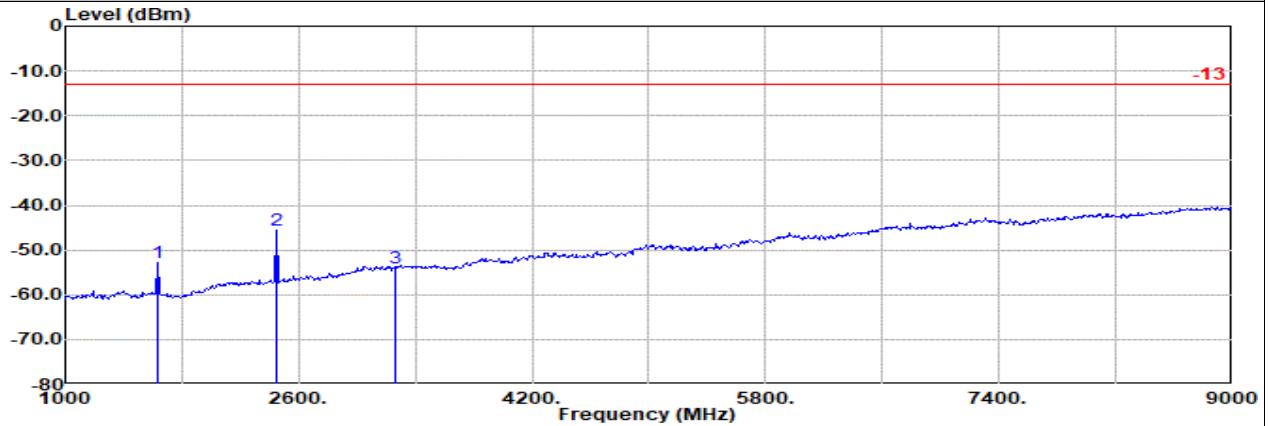


Main Antenna

Part 90S Mode 1

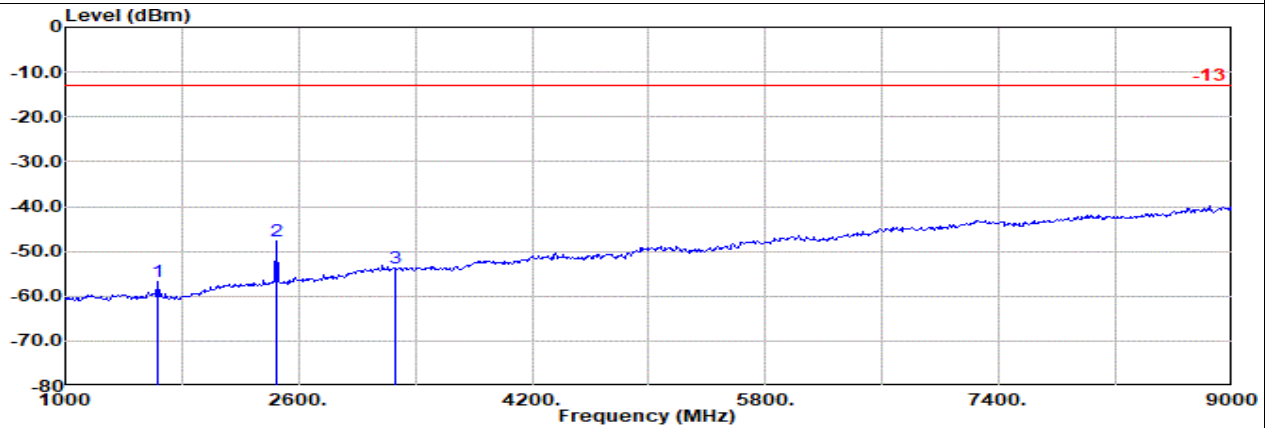
LTE B26 10M Ch26740 1RB0 QPSK

M



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Horizontal
: LTE Band 26 10M Ch26740 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1						
				dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1632.00	-52.84	RMS	25.26	-23.99	0.76	-95.23	40.36	-13.00	-39.84	Horizontal
2	2448.00	-45.52	RMS	27.60	-22.22	0.52	-95.23	43.81	-13.00	-32.52	Horizontal
3	3256.00	-54.08	RMS	29.60	-20.85	0.39	-95.23	32.01	-13.00	-41.08	Horizontal



Site : 03CH16-HY
Condition: -13 3m 9120D-1522_240328 Vertical
: LTE Band 26 10M Ch26740 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1						
				dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1632.00	-56.63	RMS	25.26	-23.99	0.76	-95.23	36.57	-13.00	-43.63	Vertical
2	2448.00	-47.66	RMS	27.60	-22.22	0.52	-95.23	41.67	-13.00	-34.66	Vertical
3	3256.00	-53.73	RMS	29.60	-20.85	0.39	-95.23	32.36	-13.00	-40.73	Vertical

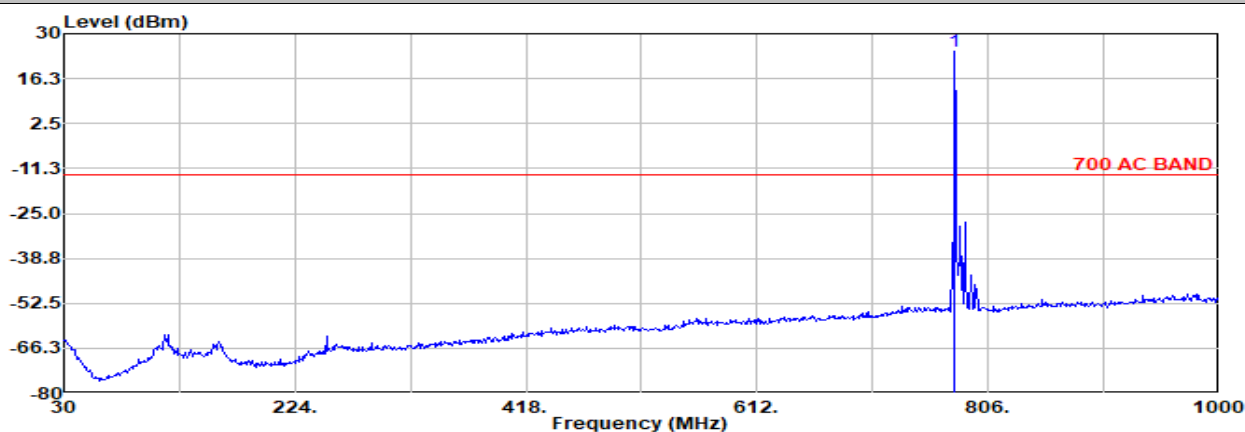


Main Antenna

Part 27F Mode 1

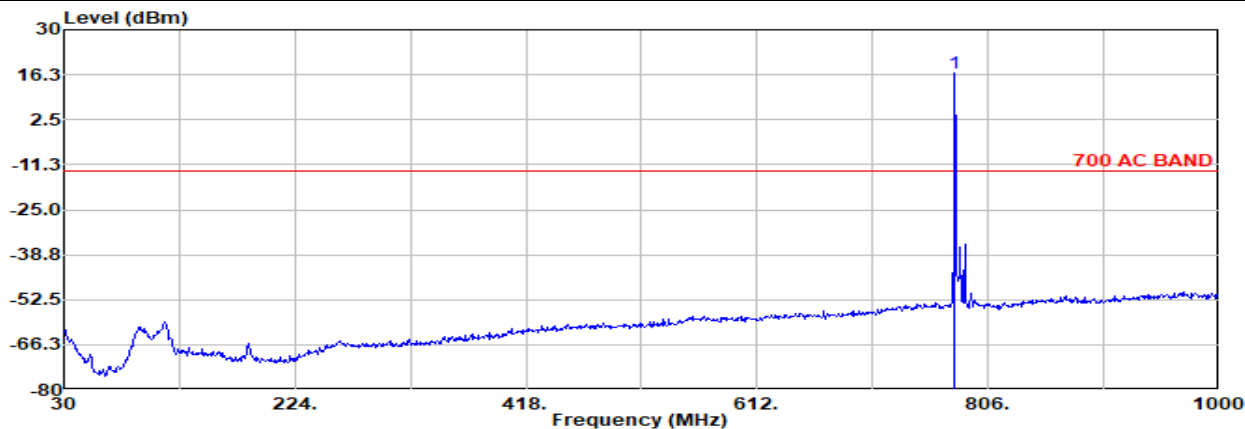
LTE B13 5M Ch23230 1RB0 QPSK

M



Site : 03CH16-HY
Condition: 700 AC BAND 3m CBL6111D&00802N1D01N-06 _47020 & 06 Horizontal
: LTE Band 13 10M Ch23230 1RB0 QPSK
: #1 is fundamental signal which can be ignored.

	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	777.87	24.79	RMS	28.15	4.14	0.00	-95.23	87.73	-13.00	37.79	Horizontal



Site : 03CH16-HY
Condition: 700 AC BAND 3m CBL6111D&00802N1D01N-06 _47020 & 06 Vertical
: LTE Band 13 10M Ch23230 1RB0 QPSK
: #1 is fundamental signal which can be ignored.

	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	777.87	16.69	RMS	28.15	4.14	0.00	-95.23	79.63	-13.00	29.69	Vertical

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