



FCC RADIO TEST REPORT

FCC ID : 2A7DJ-2346766867652
Equipment : Smart Radio LTE with Walkie-Talkie
Brand Name : weavix
Model Name : walt
Applicant : Weavix Inc.
10811 E Harry St. Wichita, KS 67207, USA
Manufacturer : Arima Communications (Jiangsu) Co., Ltd
No.168, Jiaotong North Road, Economic
and Technological Development Zone,
Wujiang District Suzhou City, Jiangsu
Province, P.R.China
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27, Part
90(R), Part 90(S)

The product was received on Feb. 19, 2024 and testing was performed from Mar. 07, 2024 to May 01, 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 and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issue Date
FG261611-01A	01	Initial issue of report	Sep. 05, 2024

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Pass	-
	§22.913 (a)(5) §90.635	Effective Radiated Power (Band 5) (Band 26)	Pass	
	§27.50 (b)(10) §27.50 (c)(10)	Effective Radiated Power (Band 12) (Band 13)		
	§90.542 (a)(7)	Effective Radiated Power (Band 14)		
-	§24.232 (d) §27.50 (d)(5)	Peak-to-Average Ratio	Not Required	-
-	§2.1049	Occupied Bandwidth	Not Required	-
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2)(4) §27.53 (g) §27.53 (h)	Conducted Band Edge Measurement (Band 5) (Band 12) (Band 13) (Band 25) (Band 26) (Band 66)	Not Required	-
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (Band 41)		
	§2.1051 §90.543 (e)(2)	Conducted Band Edge Measuremen (Band 14)		
-	§2.1051 §90.210 (n)	Emission Mask (Band 14)	Not Required	-
	§2.1051 §90.691	Emission masks (Band 26)		
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (g) §27.53 (h) §90.691	Conducted Spurious Emission (Band 5) (Band 12) (Band 13) (Band 25) (Band 26) (Band 66)	Not Required	-
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (Band 41)		
	§2.1051 §90.543 (e)(3)	Conducted Spurious Emission (Band 14)		



Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
-	§2.1055 §22.355 §24.235 §27.54 §90.539 (e) §90.213	Frequency Stability Temperature & Voltage	Not Required	-
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 5) (Band 12) (Band 13) (Band 25) (Band 26) (Band 66)	Pass	3.48 dB under the limit at 4620.00 MHz
	§2.1053 §27.53 (m)(4)	Radiated Spurious Emission (Band 7) (Band 41)		
	§2.1053 §27.53 (a)(4)	Conducted Spurious Emission (Band 30)		
	§2.1051 §27.53 (n)(2)	Conducted Spurious Emission (Band 42)		
	§2.1053 §90.543 (e)(3) §90.543 (f)	Radiated Spurious Emission (Band 14)		

Remark:

1. Not required means after assessing, test items are not necessary to carry out.
2. This is a variant report which can be referred Product Equality Declaration. All the test cases were performed on original report which can be referred to Sporton Report Number FG261611A. Based on the original report, only worst case was verified.
3. Conducted output power test item is measurement data for verification, and there are no regulatory restrictions.

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: Avis Chuang**Report Producer: Rebecca Wu**



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs	LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac, Wi-Fi 5GHz 802.11a/n/ac, NFC, and GNSS.
Antenna Type	WWAN: PIFA Antenna WLAN: Loop Antenna Bluetooth: Loop Antenna GPS / Glonass / BDS / Galileo: PIFA Antenna NFC: Loop Antenna
HW Version	0910MB-007
SW Version	2.A.0075

Antenna information							
Band	Ant0	Ant1	Ant2	Ant5	Ant6	Main Ant. #	Sub Ant. #
B2	-	-2.35	-	-	-	1	-
B4	-	-0.24	-	-	-	1	-
B5	-	-5.1	-	-	-	1	-
B7	-	-3.67	-	-	-	1	-
B12	-	-6.8	-	-	-	1	-
B13	-	-3.7	-	-	-	1	-
B14	-	-3.8	-	-	-	1	-
B25	-	-2.5	-	-	-	1	-
B26	-	-5.5	-	-	-	1	-
B30	-	-4.5	-	-	-	1	-
B38	-	-3.58	-	-	-	1	-
B41	-	-3.36	-	-	-	1	-
B42	-	-	-2.56	-	-	2	-
B66	-	-0.05	-	-	-	1	-

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



Support band and evaluated information	
Supported band	B2, B4, B5, B7, B12, B13, B14, B25, B26, B30, B38, B41, B42, B66
Evaluated and Tested band	B5, B7, B12, B13, B14, B25, B26, B30, B41, B42, B66
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) ■ B41 cover B38 (Part 27) ■ B66 cover B4 (Part 27)

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.



1.3 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No. TH03-HY
Test Engineer	Ekko You
Temperature (°C)	22.6~24.2
Relative Humidity (%)	50.1~57.5

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No. 03CH12-HY (TAF Code: 3786)
Test Engineer	Tim Lee and Wilson Wu
Temperature (°C)	20~25
Relative Humidity (%)	50~60
Remark	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory.

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

FCC Designation No.: TW1190 and TW3786

1.4 Applicable Standards

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

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

Remark:

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



2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

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

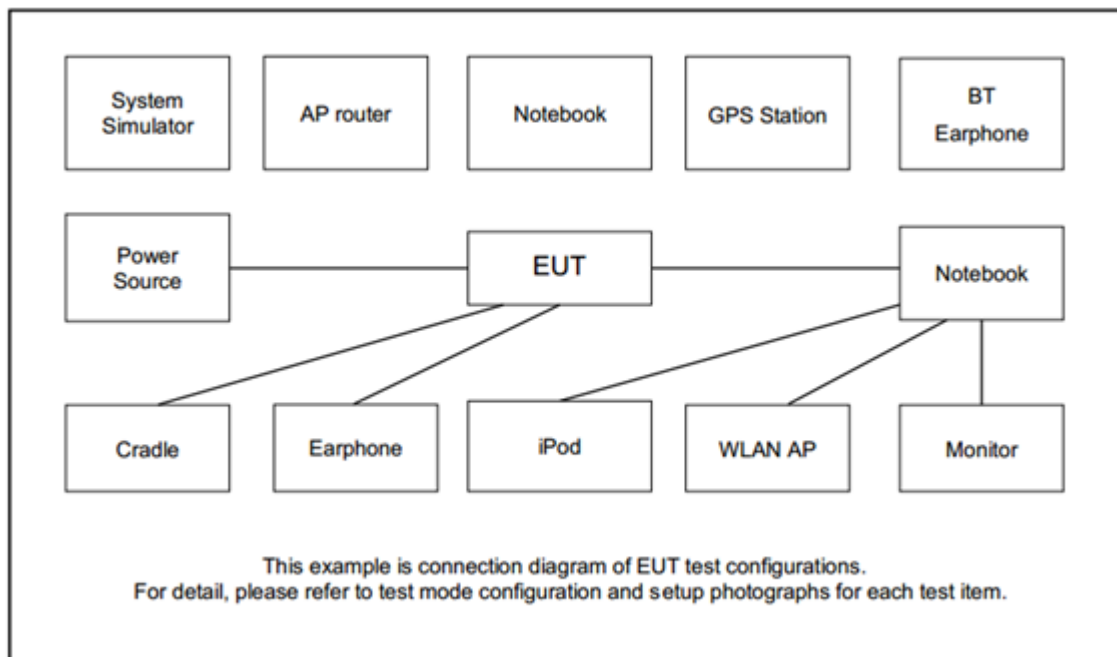
Modulation Type	Modulation
A	QPSK
B	16QAM
C	64QAM

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B, C	All	1, Half, Full	L, M, H
EIRP	A, B, C	All	1, Half, Full	L, M, H
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. As the change for the antenna gain in the low band is greater than originally certified, the output power and RSE in the low band are re-tested and in the mid/high band only the RSE is spot-checked. Other test cases were performed on the original report, which can be found in Sporton report number FG261611A.

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.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A
2.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m



2.4 Frequency List of Low/Middle/High Channels

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 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 (Part90S)				
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 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 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

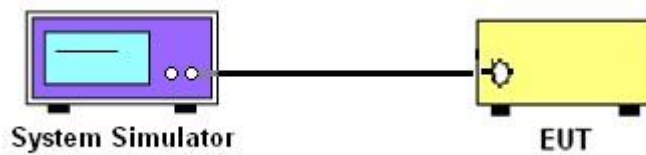
3 Conducted Test Items

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

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.

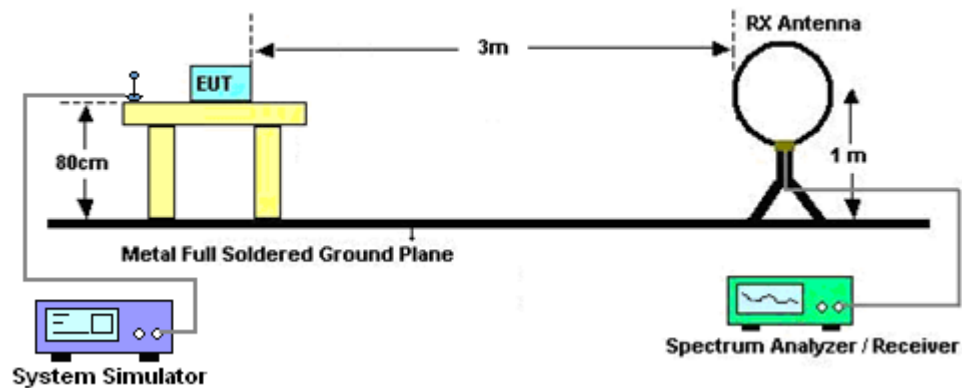
4 Radiated Test Items

4.1 Measuring Instruments

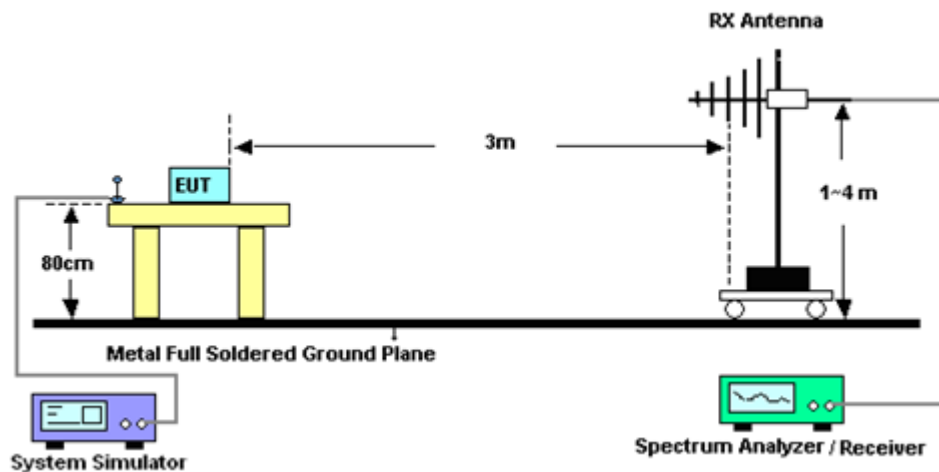
See list of measuring instruments of this test report.

4.1.1 Test Setup

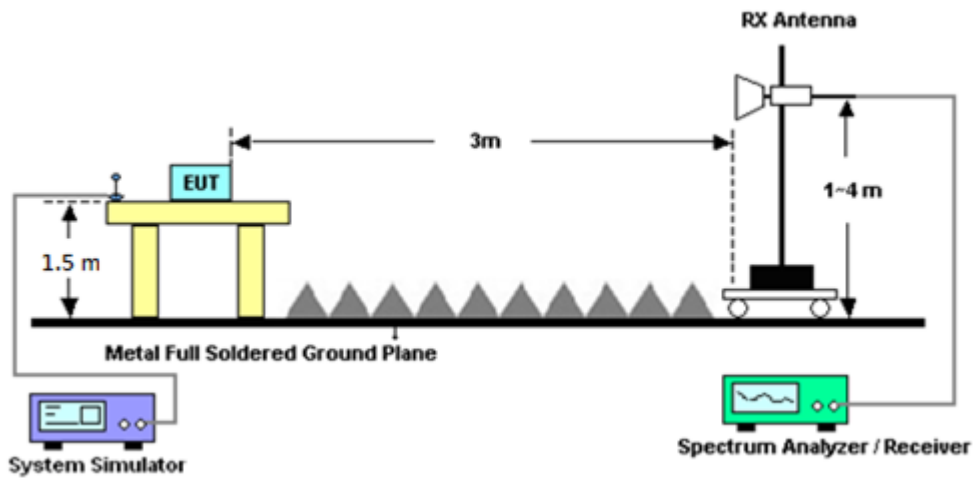
For radiated test below 30MHz



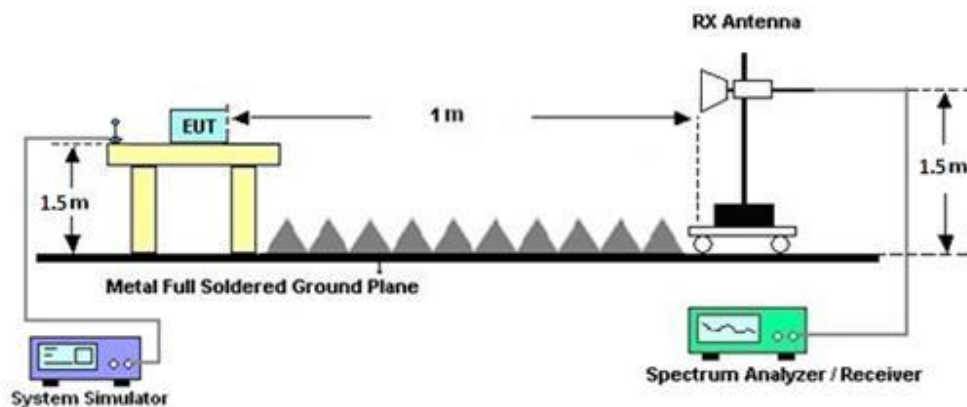
For radiated test from 30MHz to 1GHz



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 C63.26-2015. 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, 41

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

For LTE Band 14

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

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



4.2.2 Test Procedures

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

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



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Feb. 23, 2024	Apr. 27, 2024~ May 01, 2024	Feb. 22, 2025	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	37059 & 01	30MHz~1GHz	Nov. 03, 2023	Apr. 27, 2024~ May 01, 2024	Nov. 02, 2024	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02114	1GHz~18GHz	Jul. 31, 2023	Apr. 27, 2024~ May 01, 2024	Jul. 30, 2024	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz~40GHz	Nov. 24, 2023	Apr. 27, 2024~ May 01, 2024	Nov. 23, 2024	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103A	161075	10MHz~1GHz	Mar. 20, 2024	Apr. 27, 2024~ May 01, 2024	Mar. 19, 2025	Radiation (03CH12-HY)
Preamplifier	Agilent	8449B	3008A02375	1GHz~26.5GHz	May 23, 2023	Apr. 27, 2024~ May 01, 2024	May 22, 2024	Radiation (03CH12-HY)
Preamplifier	E-INSTRUMENT TECH LTD.	ERA-100M-18 G-56-01-A70	EC1900249	1GHz-18GHz	Dec. 20, 2023	Apr. 27, 2024~ May 01, 2024	Dec. 19, 2024	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 07, 2023	Apr. 27, 2024~ May 01, 2024	Dec. 06, 2024	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Jan. 10, 2024	Apr. 27, 2024~ May 01, 2024	Jan. 09, 2025	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-900- 1000-15000-6 OSS	SN11	1GHz High Pass Filter	Nov. 02, 2023	Apr. 27, 2024~ May 01, 2024	Nov. 01, 2024	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-2700 -3000-18000-6 OSS	SN2	3GHz High Pass Filter	Mar. 13, 2024	Apr. 27, 2024~ May 01, 2024	Mar. 12, 2025	Radiation (03CH12-HY)
Filter	Wainwright	WHKX8-5872. 5-6750-18000- 40ST	SN2	6.75GHz High Pass Filter	Mar. 13, 2024	Apr. 27, 2024~ May 01, 2024	Mar. 12, 2025	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 06, 2024	Apr. 27, 2024~ May 01, 2024	Mar. 05, 2025	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30MHz~18GHz	Dec. 18, 2023	Apr. 27, 2024~ May 01, 2024	Dec. 17, 2024	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Dec. 18, 2023	Apr. 27, 2024~ May 01, 2024	Dec. 17, 2024	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803953/2	30MHz~40GHz	Dec. 18, 2023	Apr. 27, 2024~ May 01, 2024	Dec. 17, 2024	Radiation (03CH12-HY)
Hygrometer	TECPEL	DTM-303B	TP210117	N/A	Oct. 19, 2023	Apr. 27, 2024~ May 01, 2024	Oct. 18, 2024	Radiation (03CH12-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Apr. 27, 2024~ May 01, 2024	N/A	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Apr. 27, 2024~ May 01, 2024	N/A	Radiation (03CH12-HY)
Radio Communication Test Station	Anritsu	NT8000A	6272337370	N/A	Nov. 14, 2023	Apr. 27, 2024~ May 01, 2024	Nov. 13, 2024	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Apr. 27, 2024~ May 01, 2024	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Apr. 27, 2024~ May 01, 2024	N/A	Radiation (03CH12-HY)
Radio Communication Analyzer	Anritsu	MT8821C	6272278356	LTE FDD/TDD DLCA/ULCA	Aug. 24, 2023	Mar. 07, 2024~ Apr. 19, 2024	Aug. 23, 2024	Conducted (TH03-HY)



6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.07 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.63 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.14 dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power & ERP)

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -5.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	20.38	20.61	20.28	13.36	0.0217
10	1	25		20.43	20.47	20.35		
10	1	49		20.42	20.39	20.29		
10	25	0		19.54	19.56	19.30		
10	25	12		19.48	19.51	19.37		
10	25	25		19.54	19.46	19.37		
10	50	0		19.46	19.49	19.28		
10	1	0	16-QAM	19.77	19.79	19.64	12.58	0.0181
10	1	25		19.79	19.81	19.74		
10	1	49		19.83	19.70	19.64		
10	25	0		18.56	18.59	18.40		
10	25	12		18.62	18.63	18.47		
10	25	25		18.68	18.56	18.40		
10	50	0		18.58	18.61	18.34		
10	1	0	64-QAM	18.65	18.63	18.53	11.52	0.0142
10	1	25		18.77	18.70	18.55		
10	1	49		18.72	18.64	18.54		
10	25	0		17.61	17.65	17.44		
10	25	12		17.58	17.59	17.50		
10	25	25		17.63	17.54	17.43		
10	50	0		17.57	17.57	17.38		
Limit	ERP < 7W			Result			Pass	



LTE Band 5 Maximum Average Power [dBm] (GT - LC = -5.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	20.31	20.39	20.28	13.18	0.0208
5	1	12		20.43	20.43	20.32		
5	1	24		20.37	20.38	20.20		
5	12	0		19.44	19.52	19.23		
5	12	7		19.42	19.50	19.29		
5	12	13		19.48	19.37	19.34		
5	25	0		19.46	19.49	19.23		
5	1	0	16-QAM	19.69	19.78	19.55	12.53	0.0179
5	1	12		19.71	19.74	19.70		
5	1	24		19.75	19.68	19.61		
5	12	0		18.54	18.51	18.33		
5	12	7		18.62	18.54	18.44		
5	12	13		18.68	18.47	18.38		
5	25	0		18.53	18.57	18.33		
5	1	0	64-QAM	18.56	18.59	18.46	11.46	0.0140
5	1	12		18.67	18.70	18.52		
5	1	24		18.71	18.54	18.53		
5	12	0		17.57	17.58	17.34		
5	12	7		17.55	17.57	17.47		
5	12	13		17.59	17.44	17.36		
5	25	0		17.57	17.49	17.36		
Limit	ERP < 7W			Result			Pass	



LTE Band 5 Maximum Average Power [dBm] (GT - LC = -5.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	20.29	20.48	20.22	13.23	0.0210
3	1	8		20.33	20.39	20.35		
3	1	14		20.36	20.37	20.25		
3	8	0		19.52	19.56	19.22		
3	8	4		19.39	19.43	19.37		
3	8	7		19.53	19.43	19.29		
3	15	0		19.37	19.47	19.27		
3	1	0	16-QAM	19.68	19.76	19.59	12.54	0.0179
3	1	8		19.73	19.79	19.71		
3	1	14		19.73	19.65	19.62		
3	8	0		18.48	18.50	18.32		
3	8	4		18.56	18.61	18.43		
3	8	7		18.62	18.51	18.30		
3	15	0		18.58	18.54	18.29		
3	1	0	64-QAM	18.55	18.54	18.49	11.52	0.0142
3	1	8		18.77	18.62	18.47		
3	1	14		18.70	18.56	18.53		
3	8	0		17.61	17.60	17.38		
3	8	4		17.54	17.56	17.50		
3	8	7		17.54	17.50	17.38		
3	15	0		17.47	17.57	17.30		
Limit	ERP < 7W			Result			Pass	



LTE Band 5 Maximum Average Power [dBm] (GT - LC = -5.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	20.31	20.47	20.18	13.22	0.0210
1.4	1	3		20.38	20.47	20.26		
1.4	1	5		20.33	20.32	20.21		
1.4	3	0		19.47	19.51	19.22		
1.4	3	1		19.40	19.44	19.28		
1.4	3	3		19.46	19.38	19.29		
1.4	6	0		19.46	19.45	19.19		
1.4	1	0	16-QAM	19.71	19.69	19.55	12.58	0.0181
1.4	1	3		19.78	19.75	19.67		
1.4	1	5		19.83	19.60	19.60		
1.4	3	0		18.52	18.54	18.37		
1.4	3	1		18.53	18.53	18.44		
1.4	3	3		18.60	18.54	18.36		
1.4	6	0		18.56	18.60	18.32		
1.4	1	0	64-QAM	18.56	18.63	18.43	11.51	0.0142
1.4	1	3		18.76	18.63	18.53		
1.4	1	5		18.62	18.55	18.46		
1.4	3	0		17.51	17.58	17.36		
1.4	3	1		17.57	17.51	17.47		
1.4	3	3		17.57	17.44	17.37		
1.4	6	0		17.54	17.52	17.37		
Limit	ERP < 7W			Result			Pass	



LTE Band 12 Maximum Average Power [dBm] (GT - LC = -6.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	21.70	21.76	21.70	12.81	0.0191
10	1	25		21.66	21.73	21.63		
10	1	49		21.72	21.60	21.33		
10	25	0		20.81	20.75	20.69		
10	25	12		20.81	20.75	20.63		
10	25	25		20.78	20.75	20.49		
10	50	0		20.77	20.75	20.61		
10	1	0	16-QAM	21.15	21.05	21.08	12.26	0.0168
10	1	25		21.17	21.16	21.01		
10	1	49		21.21	21.08	20.75		
10	25	0		19.96	19.89	19.84		
10	25	12		19.96	19.89	19.77		
10	25	25		19.90	19.87	19.62		
10	50	0		19.91	19.88	19.73		
10	1	0	64-QAM	20.07	19.99	20.00	11.16	0.0131
10	1	25		20.10	20.11	19.97		
10	1	49		20.05	19.93	19.66		
10	25	0		18.96	18.88	18.84		
10	25	12		18.97	18.92	18.76		
10	25	25		18.89	18.86	18.64		
10	50	0		18.94	18.88	18.75		
Limit	ERP < 3W			Result			Pass	



LTE Band 12 Maximum Average Power [dBm] (GT - LC = -6.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	21.67	21.66	21.65	12.77	0.0189
5	1	12		21.64	21.72	21.56		
5	1	24		21.64	21.55	21.27		
5	12	0		20.74	20.71	20.65		
5	12	7		20.71	20.70	20.55		
5	12	13		20.74	20.75	20.40		
5	25	0		20.70	20.71	20.59		
5	1	0	16-QAM	21.09	21.04	21.03	12.22	0.0167
5	1	12		21.08	21.06	20.91		
5	1	24		21.17	21.08	20.70		
5	12	0		19.90	19.89	19.75		
5	12	7		19.90	19.79	19.75		
5	12	13		19.90	19.77	19.54		
5	25	0		19.83	19.78	19.64		
5	1	0	64-QAM	20.05	19.89	19.96	11.10	0.0129
5	1	12		20.01	20.02	19.95		
5	1	24		19.98	19.90	19.56		
5	12	0		18.93	18.83	18.77		
5	12	7		18.90	18.84	18.67		
5	12	13		18.79	18.83	18.60		
5	25	0		18.93	18.78	18.66		
Limit	ERP < 3W			Result			Pass	



LTE Band 12 Maximum Average Power [dBm] (GT - LC = -6.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	21.68	21.67	21.66	12.76	0.0189
3	1	8		21.64	21.69	21.60		
3	1	14		21.71	21.60	21.23		
3	8	0		20.79	20.66	20.62		
3	8	4		20.80	20.69	20.53		
3	8	7		20.72	20.71	20.39		
3	15	0		20.76	20.74	20.55		
3	1	0	16-QAM	21.10	20.96	21.05	12.24	0.0167
3	1	8		21.10	21.10	20.94		
3	1	14		21.19	20.98	20.75		
3	8	0		19.87	19.83	19.74		
3	8	4		19.89	19.80	19.74		
3	8	7		19.86	19.80	19.59		
3	15	0		19.82	19.86	19.67		
3	1	0	64-QAM	20.06	19.92	19.95	11.11	0.0129
3	1	8		20.05	20.02	19.94		
3	1	14		20.02	19.87	19.64		
3	8	0		18.90	18.82	18.83		
3	8	4		18.97	18.91	18.72		
3	8	7		18.84	18.80	18.55		
3	15	0		18.86	18.81	18.65		
Limit	ERP < 3W			Result			Pass	



LTE Band 12 Maximum Average Power [dBm] (GT - LC = -6.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	21.62	21.75	21.61	12.80	0.0191
1.4	1	3		21.62	21.67	21.58		
1.4	1	5		21.72	21.56	21.29		
1.4	3	0		20.73	20.71	20.60		
1.4	3	1		20.75	20.75	20.54		
1.4	3	3		20.71	20.72	20.48		
1.4	6	0		20.76	20.69	20.55		
1.4	1	0	16-QAM	21.10	20.97	21.08	12.19	0.0166
1.4	1	3		21.12	21.10	21.00		
1.4	1	5		21.14	20.98	20.75		
1.4	3	0		19.96	19.86	19.79		
1.4	3	1		19.96	19.85	19.77		
1.4	3	3		19.90	19.84	19.54		
1.4	6	0		19.82	19.78	19.67		
1.4	1	0	64-QAM	20.00	19.92	19.94	11.08	0.0128
1.4	1	3		20.03	20.02	19.90		
1.4	1	5		19.99	19.93	19.65		
1.4	3	0		18.86	18.88	18.83		
1.4	3	1		18.97	18.89	18.74		
1.4	3	3		18.84	18.78	18.64		
1.4	6	0		18.92	18.88	18.72		
Limit	ERP < 3W			Result			Pass	



LTE Band 13 Maximum Average Power [dBm] (GT - LC = -3.7 dB)									
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)	
10	1	0	QPSK	-	20.50	-	14.65	0.0292	
10	1	25			20.30				
10	1	49			20.20				
10	25	0			19.33				
10	25	12			19.31				
10	25	25			19.30				
10	50	0			19.29				
10	1	0	16-QAM		19.71		-	13.86	0.0243
10	1	25			19.68				
10	1	49			19.56				
10	25	0			18.42				
10	25	12			18.43				
10	25	25			18.41				
10	50	0			18.41				
10	1	0	64-QAM	18.64		12.79	0.0190		
10	1	25		18.57					
10	1	49		18.51					
10	25	0		17.43					
10	25	12		17.46					
10	25	25		17.35					
10	50	0		17.43					
Limit	ERP < 3W			Result			Pass		



LTE Band 13 Maximum Average Power [dBm] (GT - LC = -3.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	20.25	20.27	20.18	14.42	0.0277
5	1	12		20.16	20.26	20.17		
5	1	24		20.17	20.19	20.13		
5	12	0		19.14	19.24	19.15		
5	12	7		19.21	19.22	19.18		
5	12	13		19.27	19.30	19.26		
5	25	0		19.16	19.21	19.17		
5	1	0	16-QAM	19.68	19.69	19.64	13.84	0.0242
5	1	12		19.59	19.66	19.62		
5	1	24		19.39	19.48	19.43		
5	12	0		18.30	18.38	18.31		
5	12	7		18.32	18.39	18.33		
5	12	13		18.26	18.33	18.33		
5	25	0		18.41	18.41	18.39		
5	1	0	64-QAM	18.55	18.62	18.55	12.77	0.0189
5	1	12		18.51	18.57	18.47		
5	1	24		18.31	18.41	18.34		
5	12	0		17.32	17.38	17.37		
5	12	7		17.40	17.43	17.42		
5	12	13		17.30	17.32	17.28		
5	25	0		17.34	17.34	17.28		
Limit	ERP < 3W			Result			Pass	



LTE Band 26 (Part22H) Maximum Average Power [dBm] (GT - LC = -5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	21.04	20.76	20.97	13.39	0.0218
15	1	37		20.93	20.99	21.03		
15	1	74		20.97	21.03	20.93		
15	36	0		20.05	19.92	19.98		
15	36	20		20.02	19.84	19.98		
15	36	39		19.96	20.23	19.95		
15	75	0		19.98	20.08	19.92		
15	1	0	16-QAM	20.32	20.10	20.29	12.77	0.0189
15	1	37		20.26	20.42	20.37		
15	1	74		20.30	20.21	20.40		
15	36	0		19.10	18.93	19.09		
15	36	20		19.10	18.92	19.05		
15	36	39		19.01	19.35	19.05		
15	75	0		19.09	19.01	19.03		
15	1	0	64-QAM	19.18	19.13	19.26	11.71	0.0148
15	1	37		19.19	19.36	19.25		
15	1	74		19.21	19.20	19.31		
15	36	0		18.12	18.07	18.09		
15	36	20		18.11	18.15	18.05		
15	36	39		18.05	18.03	18.10		
15	75	0		18.04	18.02	18.06		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 (Part22H) Maximum Average Power [dBm] (GT - LC = -5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	20.85	20.99	20.91	13.39	0.0218
10	1	25		21.04	20.80	20.97		
10	1	49		21.02	20.84	20.92		
10	25	0		20.08	19.93	19.91		
10	25	12		19.98	19.98	19.92		
10	25	25		20.08	19.98	19.91		
10	50	0		19.99	20.07	19.89		
10	1	0	16-QAM	20.11	20.23	20.26	12.73	0.0187
10	1	25		20.27	20.12	20.37		
10	1	49		20.29	20.18	20.38		
10	25	0		18.98	19.02	19.06		
10	25	12		19.09	19.18	19.04		
10	25	25		18.99	18.99	19.02		
10	50	0		18.98	18.95	18.94		
10	1	0	64-QAM	19.08	19.22	19.23	11.63	0.0146
10	1	25		19.21	19.16	19.16		
10	1	49		19.21	19.23	19.28		
10	25	0		18.12	18.12	18.02		
10	25	12		18.00	18.07	17.95		
10	25	25		18.27	17.99	18.04		
10	50	0		18.01	18.00	18.05		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 (Part22H) Maximum Average Power [dBm] (GT - LC = -5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	20.87	20.92	20.95	13.35	0.0216
5	1	12		20.83	20.87	20.98		
5	1	24		20.93	21.00	20.86		
5	12	0		20.00	20.11	19.97		
5	12	7		20.02	19.92	19.98		
5	12	13		20.03	19.93	19.86		
5	25	0		19.91	19.89	19.92		
5	1	0	16-QAM	20.07	20.26	20.19	12.74	0.0188
5	1	12		20.31	20.09	20.29		
5	1	24		20.39	20.22	20.31		
5	12	0		18.99	19.01	19.06		
5	12	7		19.02	19.11	19.01		
5	12	13		19.01	18.92	19.01		
5	25	0		18.99	19.09	18.93		
5	1	0	64-QAM	19.18	19.19	19.25	11.60	0.0145
5	1	12		19.24	19.15	19.16		
5	1	24		19.19	19.08	19.22		
5	12	0		18.19	18.16	17.99		
5	12	7		18.01	18.09	17.98		
5	12	13		18.10	18.09	18.09		
5	25	0		18.05	17.95	17.96		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 (Part22H) Maximum Average Power [dBm] (GT - LC = -5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	20.91	21.01	20.95	13.36	0.0217
3	1	8		20.85	20.87	20.96		
3	1	14		20.92	20.93	20.87		
3	8	0		20.06	19.93	19.88		
3	8	4		20.11	20.00	19.96		
3	8	7		19.93	19.77	19.85		
3	15	0		20.04	19.88	19.89		
3	1	0	16-QAM	20.24	20.28	20.27	12.75	0.0188
3	1	8		20.23	20.08	20.32		
3	1	14		20.39	20.21	20.40		
3	8	0		19.05	19.09	19.07		
3	8	4		19.04	19.08	19.01		
3	8	7		19.16	19.06	19.03		
3	15	0		19.09	19.12	19.03		
3	1	0	64-QAM	19.20	19.11	19.25	11.60	0.0145
3	1	8		19.17	19.04	19.25		
3	1	14		19.17	19.09	19.25		
3	8	0		18.12	18.11	18.02		
3	8	4		18.08	18.00	18.03		
3	8	7		18.03	17.86	18.06		
3	15	0		18.09	18.01	17.96		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 (Part22H) Maximum Average Power [dBm] (GT - LC = -5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	20.95	20.89	20.96	13.32	0.0215
1.4	1	3		20.92	20.87	20.97		
1.4	1	5		20.95	20.88	20.88		
1.4	3	0		20.05	20.04	19.93		
1.4	3	1		19.95	19.95	19.98		
1.4	3	3		20.07	19.86	19.87		
1.4	6	0		20.05	19.98	19.88		
1.4	1	0	16-QAM	20.07	20.30	20.28	12.70	0.0186
1.4	1	3		20.31	20.29	20.32		
1.4	1	5		20.25	20.30	20.35		
1.4	3	0		18.97	19.10	19.00		
1.4	3	1		18.97	19.06	19.02		
1.4	3	3		19.16	18.94	19.01		
1.4	6	0		19.05	19.07	18.94		
1.4	1	0	64-QAM	19.11	19.04	19.23	11.65	0.0146
1.4	1	3		19.16	19.17	19.25		
1.4	1	5		19.25	19.30	19.25		
1.4	3	0		18.09	18.11	18.09		
1.4	3	1		18.16	18.07	18.05		
1.4	3	3		18.18	17.98	18.10		
1.4	6	0		17.97	17.99	18.05		
Limit	ERP < 7W			Result			Pass	



LTE Band 14 Maximum Average Power [dBm] (GT - LC = -3.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)		
10	1	0	QPSK	-	20.49	-	14.54	0.0284		
10	1	25			20.25					
10	1	49			20.23					
10	25	0			19.34					
10	25	12			19.36					
10	25	25			19.26					
10	50	0			19.34					
10	1	0	16-QAM		19.69		-	13.74	0.0237	
10	1	25			19.64					
10	1	49			19.64					
10	25	0			18.45					
10	25	12			18.44					
10	25	25			18.36					
10	50	0			18.45					
10	1	0	64-QAM		18.59			-	12.64	0.0184
10	1	25			18.52					
10	1	49			18.51					
10	25	0			17.46					
10	25	12			17.42					
10	25	25			17.40					
10	50	0			17.42					
Limit	ERP < 3W			Result					Pass	



LTE Band 14 Maximum Average Power [dBm] (GT - LC = -3.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	20.25	20.27	20.28	14.33	0.0271
5	1	12		20.22	20.20	20.22		
5	1	24		20.13	20.23	20.14		
5	12	0		19.25	19.27	19.24		
5	12	7		19.29	19.28	19.32		
5	12	13		19.19	19.25	19.19		
5	25	0		19.25	19.24	19.27		
5	1	0	16-QAM	19.69	19.66	19.63	13.74	0.0237
5	1	12		19.60	19.63	19.61		
5	1	24		19.60	19.56	19.60		
5	12	0		18.45	18.40	18.41		
5	12	7		18.37	18.44	18.42		
5	12	13		18.34	18.31	18.32		
5	25	0		18.40	18.39	18.40		
5	1	0	64-QAM	18.57	18.59	18.49	12.64	0.0184
5	1	12		18.48	18.49	18.47		
5	1	24		18.47	18.42	18.43		
5	12	0		17.44	17.42	17.45		
5	12	7		17.39	17.34	17.36		
5	12	13		17.32	17.34	17.40		
5	25	0		17.36	17.40	17.41		
Limit	ERP < 3W			Result			Pass	



LTE Band 26 (Part90S) Maximum Average Power [dBm] (GT - LC = -5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	20.96	-	-	13.32	0.0215
15	1	37		20.95	-	-		
15	1	74		20.97	-	-		
15	36	0		20.07	-	-		
15	36	20		20.03	-	-		
15	36	39		20.07	-	-		
15	75	0		20.02	-	-		
15	1	0	16-QAM	20.24	-	-	12.70	0.0186
15	1	37		20.33	-	-		
15	1	74		20.35	-	-		
15	36	0		19.10	-	-		
15	36	20		19.12	-	-		
15	36	39		19.16	-	-		
15	75	0		19.10	-	-		
15	1	0	64-QAM	19.20	-	-	11.57	0.0144
15	1	37		19.20	-	-		
15	1	74		19.22	-	-		
15	36	0		18.18	-	-		
15	36	20		18.13	-	-		
15	36	39		18.17	-	-		
15	75	0		18.10	-	-		
Limit	Power < 100W			Result			Pass	



LTE Band 26 (Part90S) Maximum Average Power [dBm] (GT - LC = -5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	20.97	-	13.32	0.0215
10	1	25		-	20.86	-		
10	1	49		-	20.93	-		
10	25	0		-	20.02	-		
10	25	12		-	19.94	-		
10	25	25		-	19.95	-		
10	50	0		-	19.97	-		
10	1	0	16-QAM	-	20.29	-	12.64	0.0184
10	1	25		-	20.16	-		
10	1	49		-	20.20	-		
10	25	0		-	19.02	-		
10	25	12		-	19.10	-		
10	25	25		-	18.97	-		
10	50	0		-	19.03	-		
10	1	0	64-QAM	-	19.13	-	11.55	0.0143
10	1	25		-	19.15	-		
10	1	49		-	19.20	-		
10	25	0		-	18.12	-		
10	25	12		-	18.05	-		
10	25	25		-	17.97	-		
10	50	0		-	17.97	-		
Limit	Power < 100W			Result			Pass	



LTE Band 26 (Part90S) Maximum Average Power [dBm] (GT - LC = -5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	20.91	20.98	20.96	13.33	0.0215
5	1	12		20.93	20.88	20.88		
5	1	24		20.90	20.81	20.92		
5	12	0		20.02	20.00	20.02		
5	12	7		19.97	19.94	19.92		
5	12	13		19.98	19.97	19.90		
5	25	0		19.96	20.05	19.92		
5	1	0	16-QAM	20.16	20.25	20.19	12.77	0.0189
5	1	12		20.24	20.28	20.30		
5	1	24		20.35	20.28	20.42		
5	12	0		19.00	18.97	18.92		
5	12	7		19.07	19.15	19.07		
5	12	13		19.06	19.15	19.09		
5	25	0		19.03	18.93	18.98		
5	1	0	64-QAM	19.15	19.14	19.22	11.59	0.0144
5	1	12		19.14	19.15	19.24		
5	1	24		19.16	19.24	19.06		
5	12	0		18.10	18.13	18.12		
5	12	7		18.08	18.03	17.99		
5	12	13		18.08	18.00	18.14		
5	25	0		18.03	18.09	18.11		
Limit	Power < 100W			Result			Pass	



LTE Band 26 (Part90S) Maximum Average Power [dBm] (GT - LC = -5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	20.90	20.92	20.80	13.30	0.0214
3	1	8		20.89	20.88	20.89		
3	1	14		20.95	20.85	20.86		
3	8	0		20.00	19.96	19.90		
3	8	4		20.03	20.05	20.11		
3	8	7		19.97	19.89	20.02		
3	15	0		19.98	20.03	20.05		
3	1	0	16-QAM	20.16	20.14	20.12	12.70	0.0186
3	1	8		20.33	20.26	20.35		
3	1	14		20.29	20.23	20.31		
3	8	0		19.10	19.09	19.01		
3	8	4		19.05	19.05	19.08		
3	8	7		19.07	19.16	19.06		
3	15	0		19.07	19.02	19.06		
3	1	0	64-QAM	19.12	19.08	19.02	11.50	0.0141
3	1	8		19.11	19.03	19.07		
3	1	14		19.13	19.15	19.05		
3	8	0		18.14	18.15	18.10		
3	8	4		18.13	18.10	18.04		
3	8	7		18.12	18.02	18.12		
3	15	0		18.05	18.08	18.03		
Limit	Power < 100W			Result			Pass	



LTE Band 26 (Part90S) Maximum Average Power [dBm] (GT - LC = -5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	20.92	20.86	20.94	13.38	0.0218
1.4	1	3		20.93	21.02	21.03		
1.4	1	5		20.93	20.83	20.98		
1.4	3	0		20.01	20.05	20.05		
1.4	3	1		19.93	19.89	19.93		
1.4	3	3		20.00	19.94	20.08		
1.4	6	0		20.01	20.11	20.06		
1.4	1	0	16-QAM	20.15	20.24	20.12	12.65	0.0184
1.4	1	3		20.26	20.24	20.30		
1.4	1	5		20.26	20.28	20.19		
1.4	3	0		19.06	19.07	18.99		
1.4	3	1		19.03	19.07	19.12		
1.4	3	3		19.13	19.16	19.19		
1.4	6	0		19.03	18.93	19.04		
1.4	1	0	64-QAM	19.19	19.21	19.19	11.58	0.0144
1.4	1	3		19.18	19.23	19.18		
1.4	1	5		19.15	19.19	19.08		
1.4	3	0		18.18	18.28	18.17		
1.4	3	1		18.08	18.13	17.98		
1.4	3	3		18.08	18.11	18.14		
1.4	6	0		18.07	18.10	17.99		
Limit	Power < 100W			Result			Pass	



LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	-	21.04	-	13.39	0.0218
15	1	37		-	21.03	-		
15	1	74		-	20.92	-		
15	36	0		-	19.99	-		
15	36	20		-	19.99	-		
15	36	39		-	19.98	-		
15	75	0		-	20.07	-		
15	1	0	16-QAM	-	20.27	-	12.68	0.0185
15	1	37		-	20.30	-		
15	1	74		-	20.33	-		
15	36	0		-	19.08	-		
15	36	20		-	19.08	-		
15	36	39		-	19.19	-		
15	75	0		-	19.11	-		
15	1	0	64-QAM	-	19.21	-	11.58	0.0144
15	1	37		-	19.15	-		
15	1	74		-	19.23	-		
15	36	0		-	18.27	-		
15	36	20		-	18.22	-		
15	36	39		-	18.21	-		
15	75	0		-	18.09	-		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	20.93	-	13.28	0.0213
10	1	25		-	20.93	-		
10	1	49		-	20.90	-		
10	25	0		-	20.00	-		
10	25	12		-	20.08	-		
10	25	25		-	19.90	-		
10	50	0		-	20.08	-		
10	1	0	16-QAM	-	20.10	-	12.71	0.0187
10	1	25		-	20.36	-		
10	1	49		-	20.35	-		
10	25	0		-	19.04	-		
10	25	12		-	19.14	-		
10	25	25		-	19.17	-		
10	50	0		-	19.03	-		
10	1	0	64-QAM	-	19.09	-	11.50	0.0141
10	1	25		-	19.15	-		
10	1	49		-	19.09	-		
10	25	0		-	18.04	-		
10	25	12		-	18.11	-		
10	25	25		-	18.25	-		
10	50	0		-	18.12	-		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	-	20.90	-	13.28	0.0213
5	1	12		-	20.93	-		
5	1	24		-	20.84	-		
5	12	0		-	20.00	-		
5	12	7		-	20.04	-		
5	12	13		-	20.05	-		
5	25	0		-	19.90	-		
5	1	0	16-QAM	-	20.20	-	12.66	0.0185
5	1	12		-	20.31	-		
5	1	24		-	20.31	-		
5	12	0		-	19.02	-		
5	12	7		-	19.09	-		
5	12	13		-	18.96	-		
5	25	0		-	18.94	-		
5	1	0	64-QAM	-	19.23	-	11.58	0.0144
5	1	12		-	19.06	-		
5	1	24		-	19.17	-		
5	12	0		-	18.09	-		
5	12	7		-	18.06	-		
5	12	13		-	17.98	-		
5	25	0		-	17.99	-		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	-	20.88	-	13.38	0.0218
3	1	8		-	20.85	-		
3	1	14		-	21.03	-		
3	8	0		-	20.09	-		
3	8	4		-	19.97	-		
3	8	7		-	19.87	-		
3	15	0		-	20.07	-		
3	1	0	16-QAM	-	20.11	-	12.71	0.0187
3	1	8		-	20.31	-		
3	1	14		-	20.36	-		
3	8	0		-	19.20	-		
3	8	4		-	19.06	-		
3	8	7		-	19.05	-		
3	15	0		-	19.12	-		
3	1	0	64-QAM	-	19.20	-	11.55	0.0143
3	1	8		-	19.10	-		
3	1	14		-	19.08	-		
3	8	0		-	18.08	-		
3	8	4		-	18.23	-		
3	8	7		-	18.06	-		
3	15	0		-	18.06	-		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	-	20.84	-	13.37	0.0217
1.4	1	3		-	21.02	-		
1.4	1	5		-	20.85	-		
1.4	3	0		-	19.96	-		
1.4	3	1		-	19.89	-		
1.4	3	3		-	20.03	-		
1.4	6	0		-	19.97	-		
1.4	1	0	16-QAM	-	20.16	-	12.69	0.0186
1.4	1	3		-	20.17	-		
1.4	1	5		-	20.34	-		
1.4	3	0		-	19.13	-		
1.4	3	1		-	18.99	-		
1.4	3	3		-	19.13	-		
1.4	6	0		-	19.00	-		
1.4	1	0	64-QAM	-	19.22	-	11.59	0.0144
1.4	1	3		-	19.22	-		
1.4	1	5		-	19.24	-		
1.4	3	0		-	18.24	-		
1.4	3	1		-	18.10	-		
1.4	3	3		-	17.98	-		
1.4	6	0		-	17.98	-		
Limit	ERP < 7W			Result			Pass	



Appendix B. Test Results of Radiated Test

B1. Summary of each worse mode

Mode	Part	Band	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	Amp\Cbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
1	Part 22H	LTE B26	H	3339	-53.12	RMS	29.72	-24.38	0.40	-95.23	36.37	-13.00	-40.12	V	Main
1	Part 24E	LTE B25	L	3702	-39.08	RMS	29.71	-23.43	0.76	-95.23	49.11	-13.00	-26.08	V	Main
1	Part 27L	LTE B66	L	6844	-45.29	RMS	36.19	-21.34	0.34	-95.23	34.75	-13.00	-32.29	V	Main
1	Part 27Q	LTE B42	L	13804	-31.39	RMS	40.40	-11.52	0.45	-95.23	34.51	-13.00	-18.39	V	Main
1	Part 27H	LTE B12	M	1406	-42.84	RMS	25.90	-28.12	1.10	-95.23	53.51	-13.00	-29.84	H	Main
1	Part 27F	LTE B13	H	1565	-59.09	RMS	25.60	-27.48	0.84	-95.23	37.18	-42.15	-16.94	V	Main
1	Part 27M	LTE B7	H	10204	-38.93	RMS	38.99	-18.36	0.46	-95.23	35.21	-25.00	-13.93	H	Main
2	Part 27M	LTE B41	H	10684	-38.15	RMS	39.30	-17.99	0.45	-95.23	35.32	-25.00	-13.15	H	Main
1	Part 27D	LTE B30	H	4620	-43.48	RMS	31.76	-56.24	0.48	-95.23	75.75	-40.00	-3.48	H	Main
1	Part 90R	LTE B14	L	1577	-58.29	RMS	25.60	-27.45	0.82	-95.23	37.97	-42.15	-16.14	V	Main
1	Part 90S	LTE B26	L	3257	-53.24	RMS	29.89	-24.68	0.39	-95.23	36.39	-13.00	-40.24	V	Main

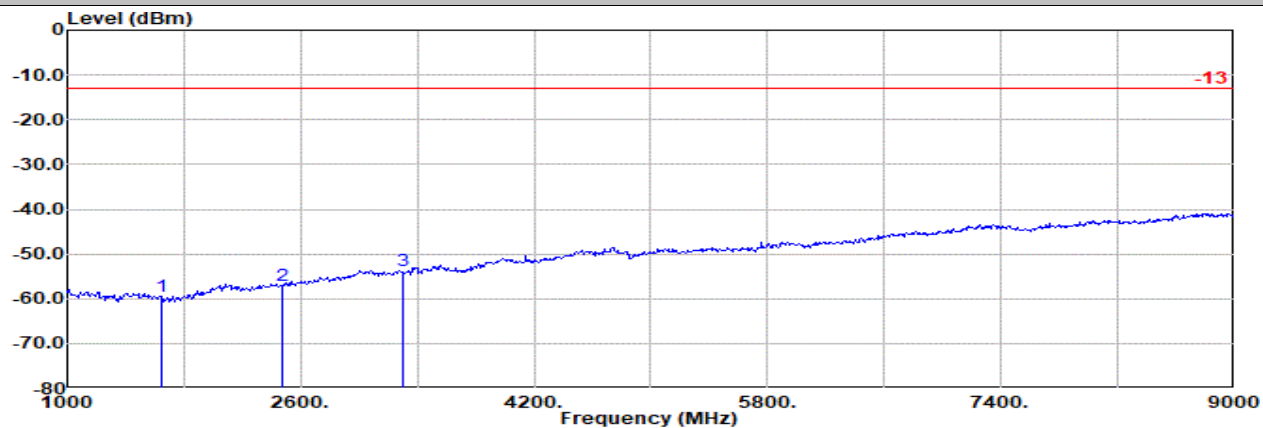


Main Antenna

Part 22H Mode 1

LTE B26 15M Ch26865 1RB0 QPSK

L

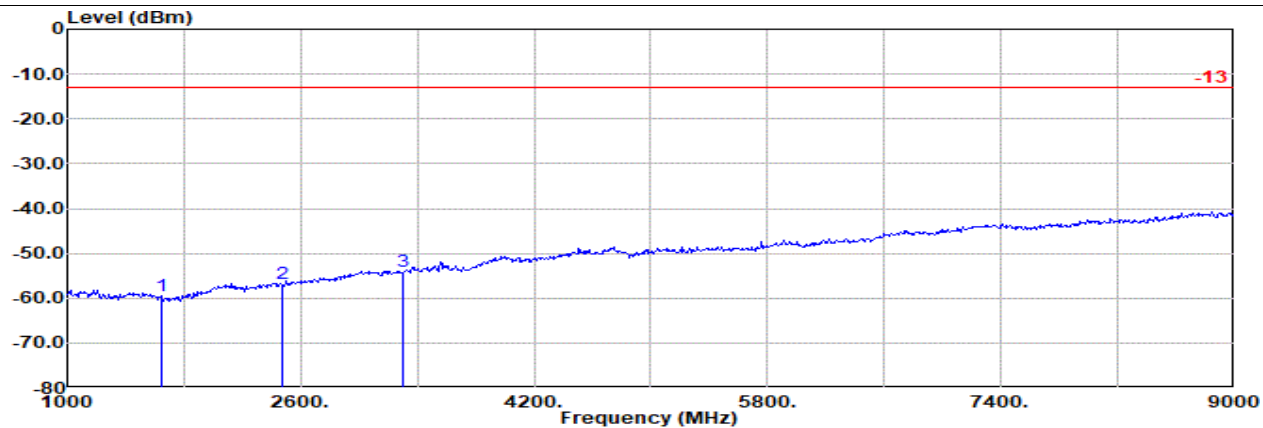


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-230731 Horizontal

: LTE Band 26 15M Ch26865 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	1650.00	-59.61	RMS	25.40	-27.26	0.75	-95.23	36.73	-13.00	-46.61 Horizontal
2	2475.00	-56.98	RMS	27.85	-26.23	0.51	-95.23	36.12	-13.00	-43.98 Horizontal
3	3299.00	-53.68	RMS	29.80	-24.53	0.39	-95.23	35.89	-13.00	-40.68 Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-230731 Vertical

: LTE Band 26 15M Ch26865 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	1650.00	-59.40	RMS	25.40	-27.26	0.75	-95.23	36.94	-13.00	-46.40 Vertical
2	2475.00	-56.80	RMS	27.85	-26.23	0.51	-95.23	36.30	-13.00	-43.80 Vertical
3	3299.00	-54.08	RMS	29.80	-24.53	0.39	-95.23	35.49	-13.00	-41.08 Vertical

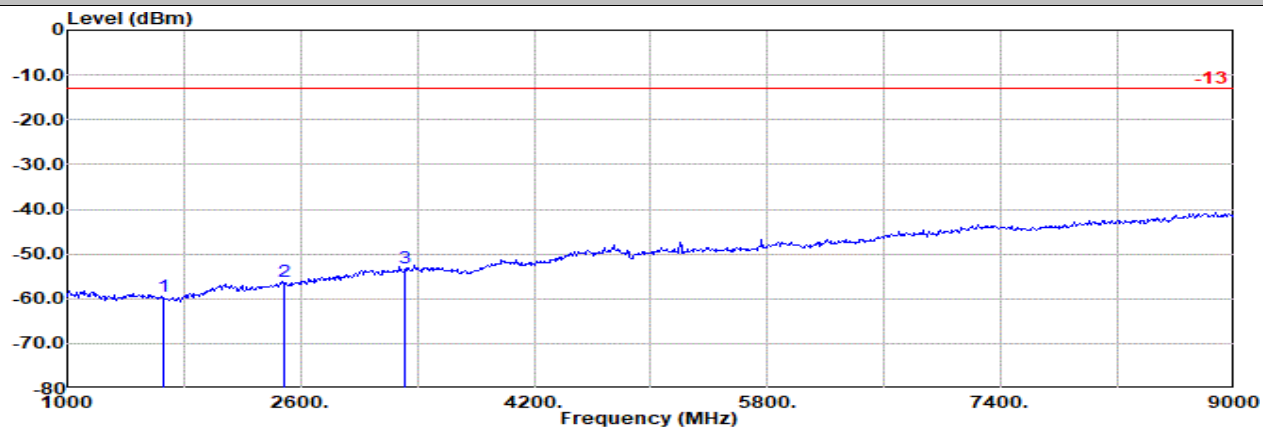


Main Antenna

Part 22H Mode 1

LTE B26 15M Ch26915 1RB0 QPSK

M

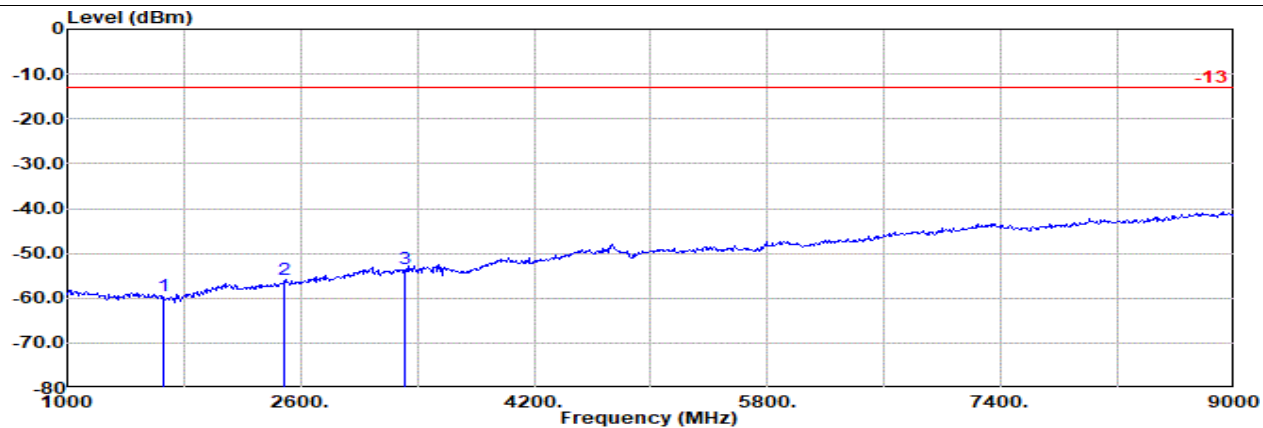


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-230731 Horizontal

Mode : LTE Band 26 15M Ch26915 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	1660.00	-59.47	RMS	25.40	-27.24	0.74	-95.23	36.86	-13.00	-46.47	Horizontal
2	2490.00	-56.14	RMS	28.00	-26.20	0.50	-95.23	36.79	-13.00	-43.14	Horizontal
3	3319.00	-53.13	RMS	29.76	-24.46	0.40	-95.23	36.40	-13.00	-40.13	Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-230731 Vertical

Mode : LTE Band 26 15M Ch26915 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	1660.00	-59.57	RMS	25.40	-27.24	0.74	-95.23	36.76	-13.00	-46.57	Vertical
2	2490.00	-55.75	RMS	28.00	-26.20	0.50	-95.23	37.18	-13.00	-42.75	Vertical
3	3319.00	-53.50	RMS	29.76	-24.46	0.40	-95.23	36.03	-13.00	-40.50	Vertical

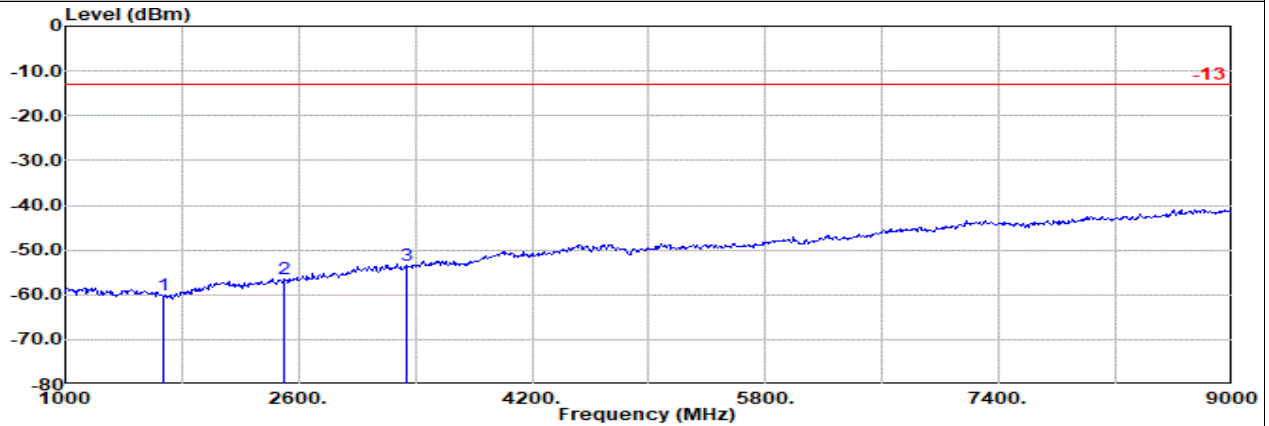


Main Antenna

Part 22H Mode 1

LTE B26 15M Ch26965 1RB0 QPSK

H

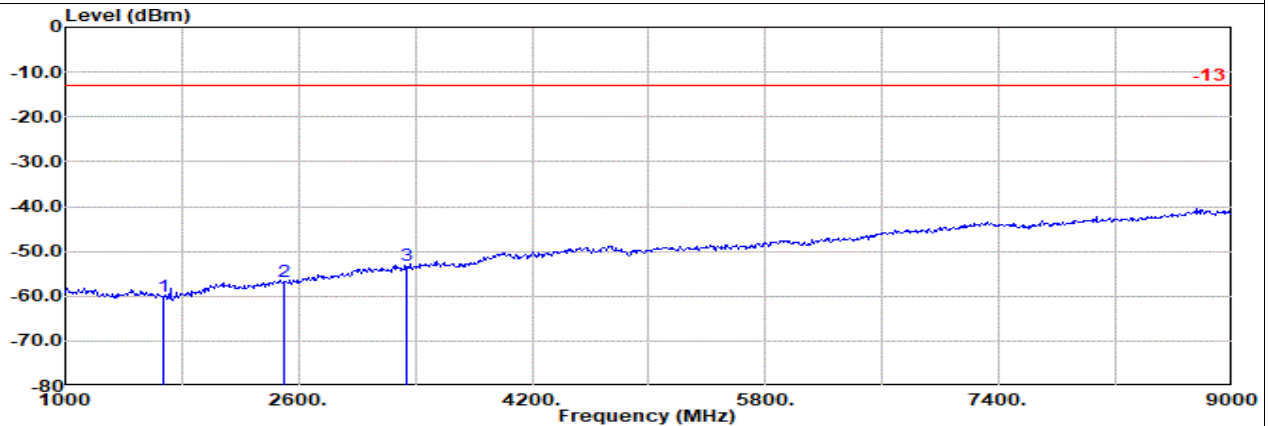


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-230731 Horizontal

: LTE Band 26 15M Ch26965 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	1670.00	-60.20	RMS	25.40	-27.22	0.74	-95.23	36.11	-13.00	-47.20 Horizontal
2	2505.00	-56.52	RMS	28.05	-26.17	0.50	-95.23	36.33	-13.00	-43.52 Horizontal
3	3339.00	-53.53	RMS	29.72	-24.38	0.40	-95.23	35.96	-13.00	-40.53 Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-230731 Vertical

: LTE Band 26 15M Ch26965 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	1670.00	-60.04	RMS	25.40	-27.22	0.74	-95.23	36.27	-13.00	-47.04 Vertical
2	2505.00	-56.68	RMS	28.05	-26.17	0.50	-95.23	36.17	-13.00	-43.68 Vertical
3	3339.00	-53.12	RMS	29.72	-24.38	0.40	-95.23	36.37	-13.00	-40.12 Vertical

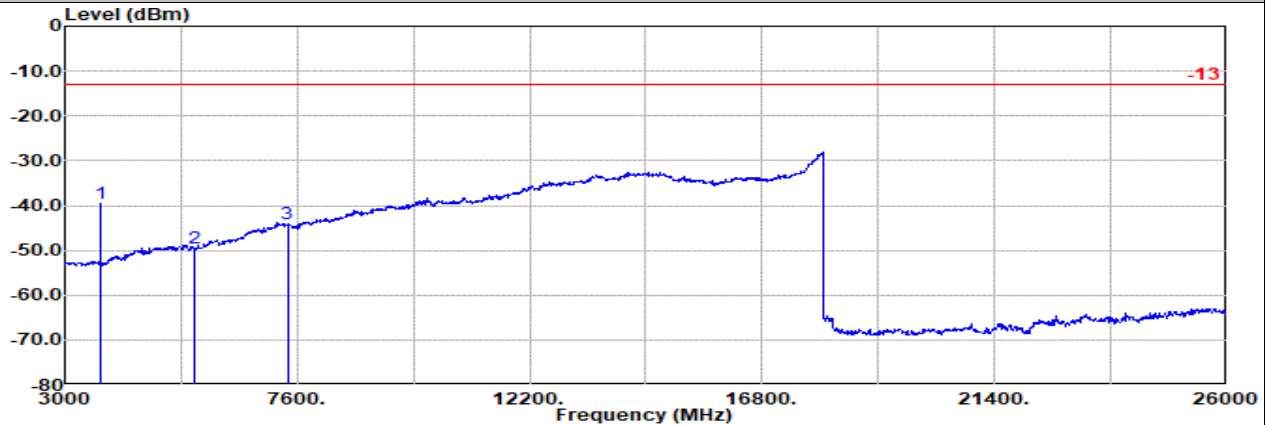


Main Antenna

Part 24E Mode 1

LTE B25 20M Ch26140 1RB0 QPSK

L

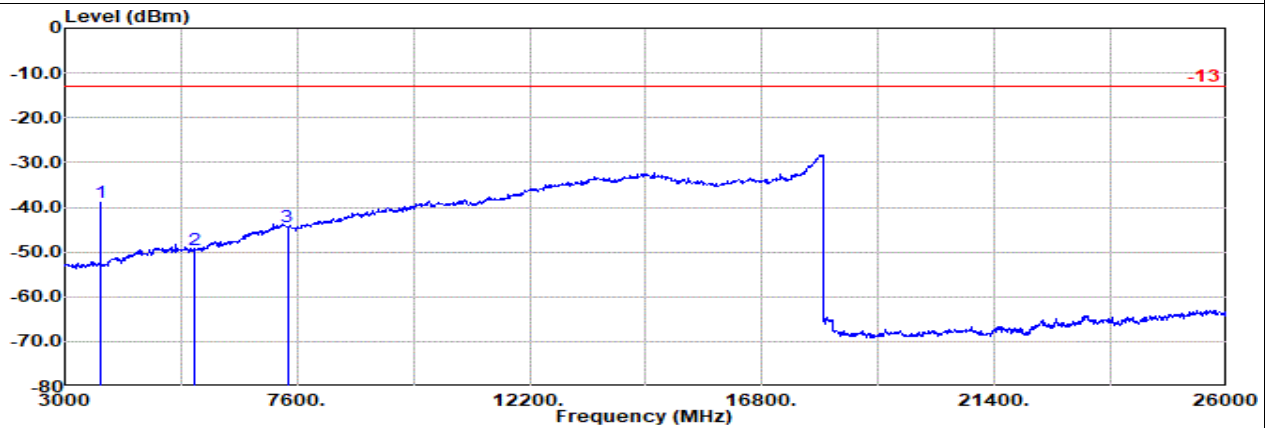


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-230731 Horizontal

: LTE Band 25 20M Ch26140 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin Pol	
				Factor	1					
1	3702.00	-39.55	RMS	29.71	-23.43	0.76	-95.23	48.64	-13.00	-26.55 Horizontal
2	5553.00	-49.62	RMS	33.11	-22.38	0.40	-95.23	34.48	-13.00	-36.62 Horizontal
3	7404.00	-44.21	RMS	36.70	-20.78	0.33	-95.23	34.77	-13.00	-31.21 Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-230731 Vertical

: LTE Band 25 20M Ch26140 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin Pol	
				Factor	1					
1	3702.00	-39.08	RMS	29.71	-23.43	0.76	-95.23	49.11	-13.00	-26.08 Vertical
2	5553.00	-49.43	RMS	33.11	-22.38	0.40	-95.23	34.67	-13.00	-36.43 Vertical
3	7404.00	-44.37	RMS	36.70	-20.78	0.33	-95.23	34.61	-13.00	-31.37 Vertical

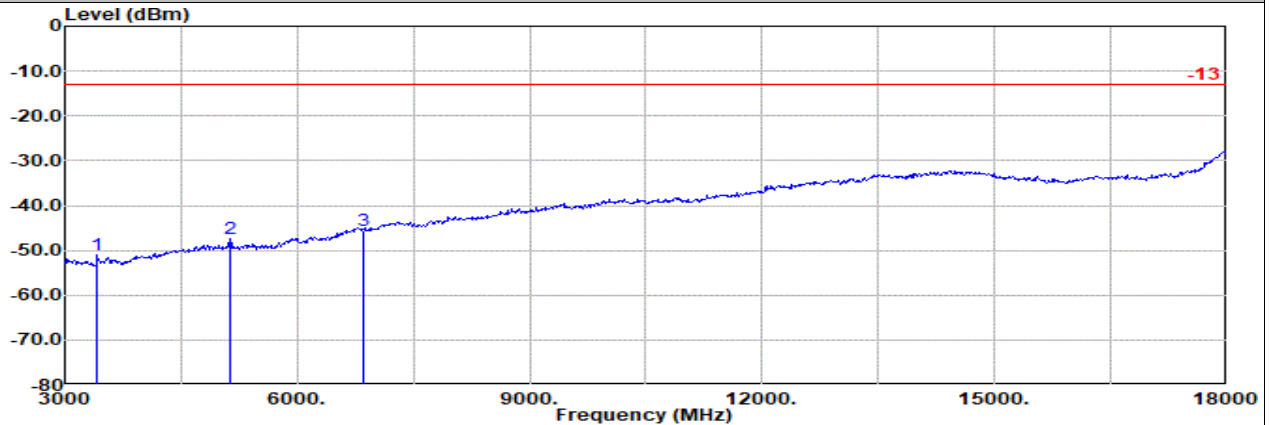


Main Antenna

Part 27L Mode 1

LTE B66 20M Ch132072 1RB0 QPSK

L

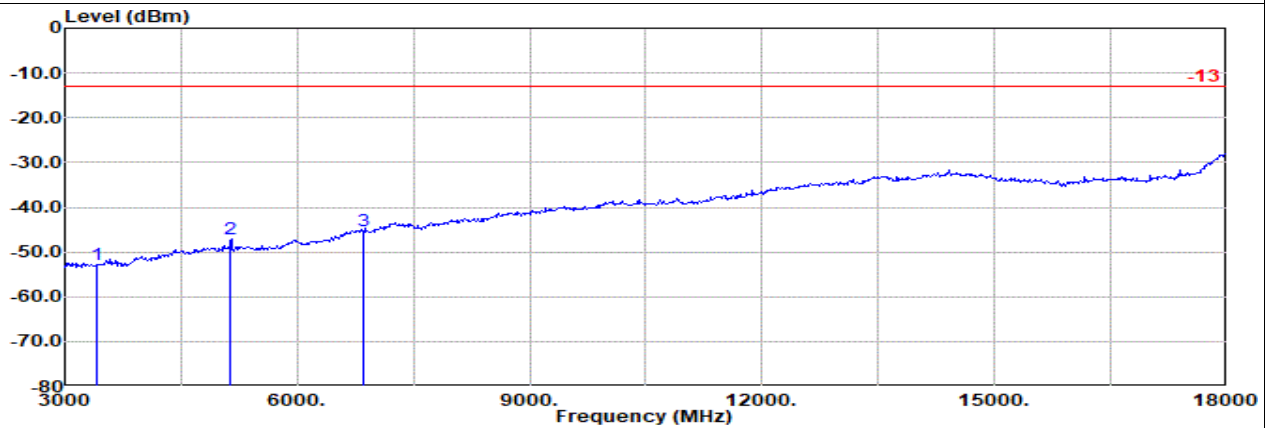


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-230731 Horizontal

: LTE Band 66 20M Ch132072 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3422.00	-50.95	RMS	29.74	-24.01	1.05	-95.23	37.50	-13.00	-37.95 Horizontal
2	5133.00	-47.41	RMS	33.30	-23.05	0.47	-95.23	37.10	-13.00	-34.41 Horizontal
3	6844.00	-45.48	RMS	36.19	-21.34	0.34	-95.23	34.56	-13.00	-32.48 Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-230731 Vertical

: LTE Band 66 20M Ch132072 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3422.00	-52.90	RMS	29.74	-24.01	1.05	-95.23	35.55	-13.00	-39.90 Vertical
2	5133.00	-46.97	RMS	33.30	-23.05	0.47	-95.23	37.54	-13.00	-33.97 Vertical
3	6844.00	-45.29	RMS	36.19	-21.34	0.34	-95.23	34.75	-13.00	-32.29 Vertical

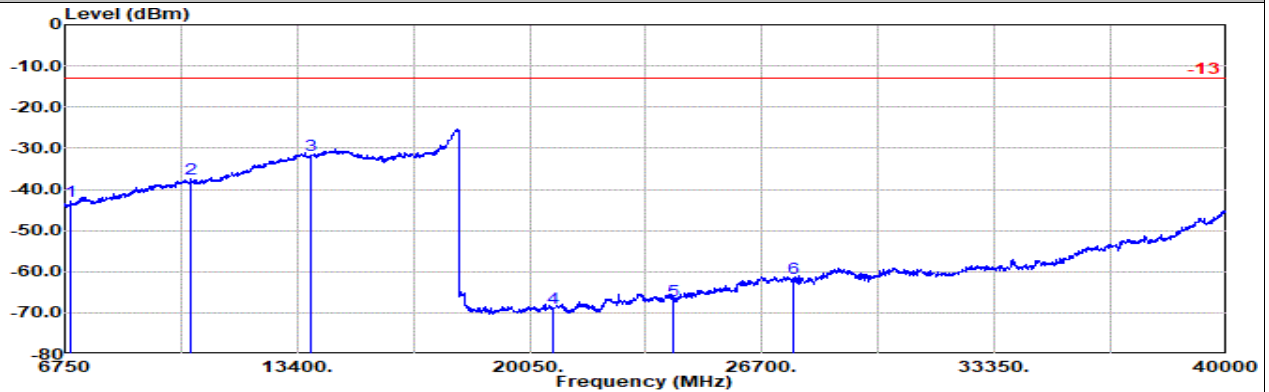


Main Antenna

Part 27Q Mode 1

LTE B42 20M Ch42190 1RB0 QPSK

L

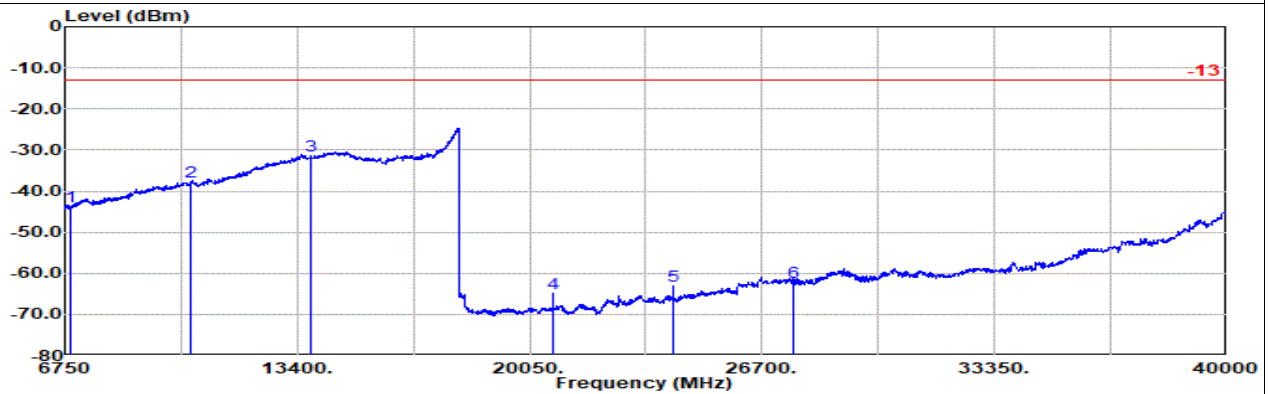


Site : 03CH12-HY

Condition: -13 1m SHF_00993_231124 Horizontal

: LTE Band 42 20M Ch42190 1RB0 QPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
MHz	dBm									
1	6902.00	-42.79 RMS	36.00	-20.39	0.90	-95.23	0.00	-13.00	-29.79	Horizontal
2	10353.00	-37.43 RMS	39.09	-17.14	0.25	-95.23	35.60	-13.00	-24.43	Horizontal
3	13804.00	-31.73 RMS	40.40	-11.52	0.45	-95.23	34.17	-13.00	-18.73	Horizontal
4	20706.00	-68.73 RMS	37.99	-30.14	-9.54	-95.23	28.19	-13.00	-55.73	Horizontal
5	24157.00	-66.99 RMS	38.69	-27.77	-9.54	-95.23	26.86	-13.00	-53.99	Horizontal
6	27608.00	-61.72 RMS	39.77	-24.90	-9.54	-95.23	28.18	-13.00	-48.72	Horizontal



Site : 03CH12-HY

Condition: -13 1m SHF_00993_231124 Vertical

: LTE Band 42 20M Ch42190 1RB0 QPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
MHz	dBm									
1	6902.00	-43.75 RMS	36.00	-20.39	0.90	-95.23	34.97	-13.00	-30.75	Vertical
2	10353.00	-37.68 RMS	39.09	-17.14	0.25	-95.23	35.35	-13.00	-24.68	Vertical
3	13804.00	-31.39 RMS	40.40	-11.52	0.45	-95.23	34.51	-13.00	-18.39	Vertical
4	20706.00	-64.94 RMS	37.99	-30.14	-9.54	-95.23	31.98	-13.00	-51.94	Vertical
5	24157.00	-63.06 RMS	38.69	-27.77	-9.54	-95.23	30.79	-13.00	-50.06	Vertical
6	27608.00	-62.15 RMS	39.77	-24.90	-9.54	-95.23	27.75	-13.00	-49.15	Vertical

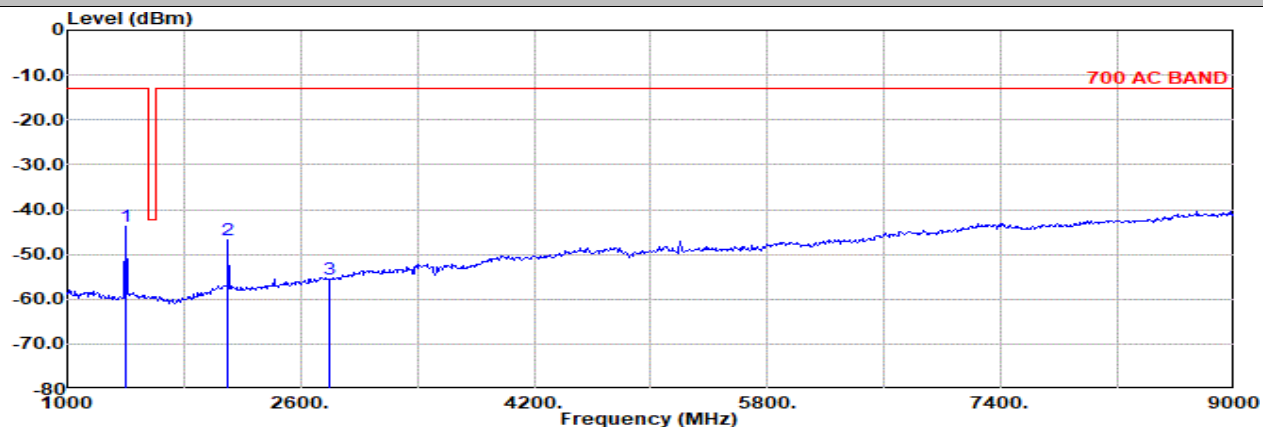


Main Antenna

Part 27H Mode 1

LTE B12 10M Ch23060 1RB0 QPSK

L

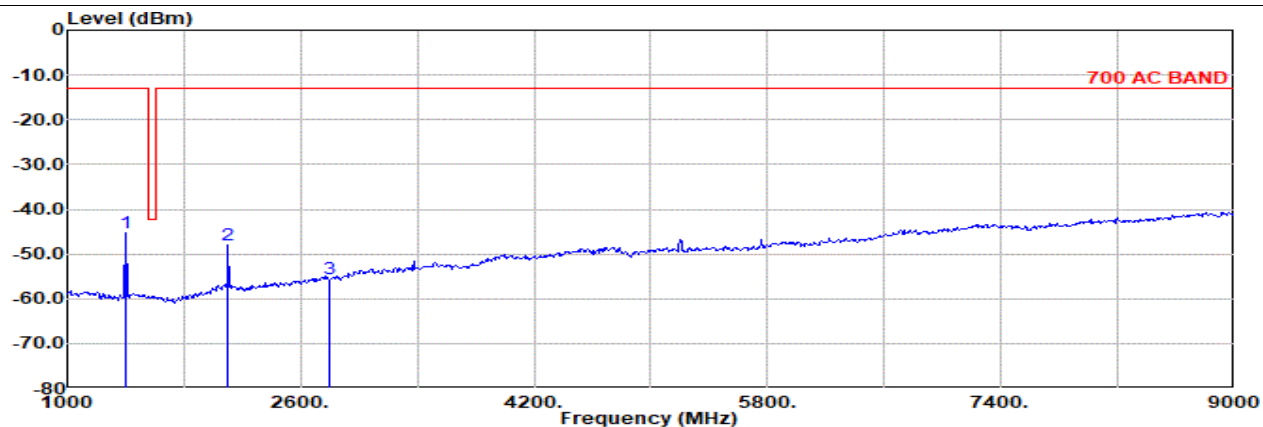


Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-230731 Horizontal

: LTE Band 12 10M Ch23060 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	1399.00	-43.85	RMS	25.90	-28.15	1.11	-95.23	52.52	-13.00	-30.85
2	2099.00	-46.92	RMS	27.50	-26.62	0.65	-95.23	46.78	-13.00	-33.92
3	2798.00	-55.57	RMS	28.50	-25.46	0.41	-95.23	36.21	-13.00	-42.57



Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-230731 Vertical

: LTE Band 12 10M Ch23060 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	1399.00	-45.38	RMS	25.90	-28.15	1.11	-95.23	50.99	-13.00	-32.38
2	2099.00	-48.10	RMS	27.50	-26.62	0.65	-95.23	45.60	-13.00	-35.10
3	2798.00	-55.58	RMS	28.50	-25.46	0.41	-95.23	36.20	-13.00	-42.58

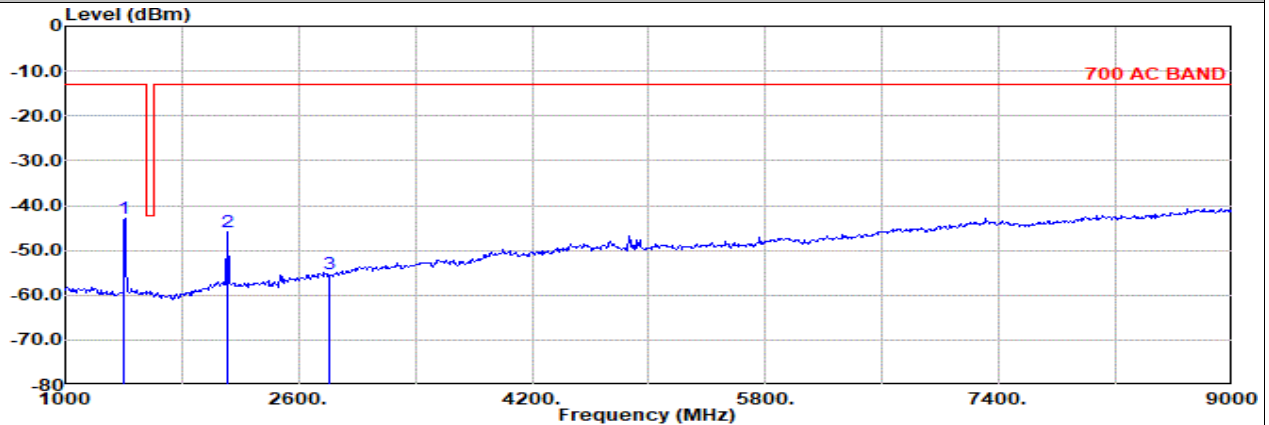


Main Antenna

Part 27H Mode 1

LTE B12 10M Ch23095 1RB0 QPSK

M

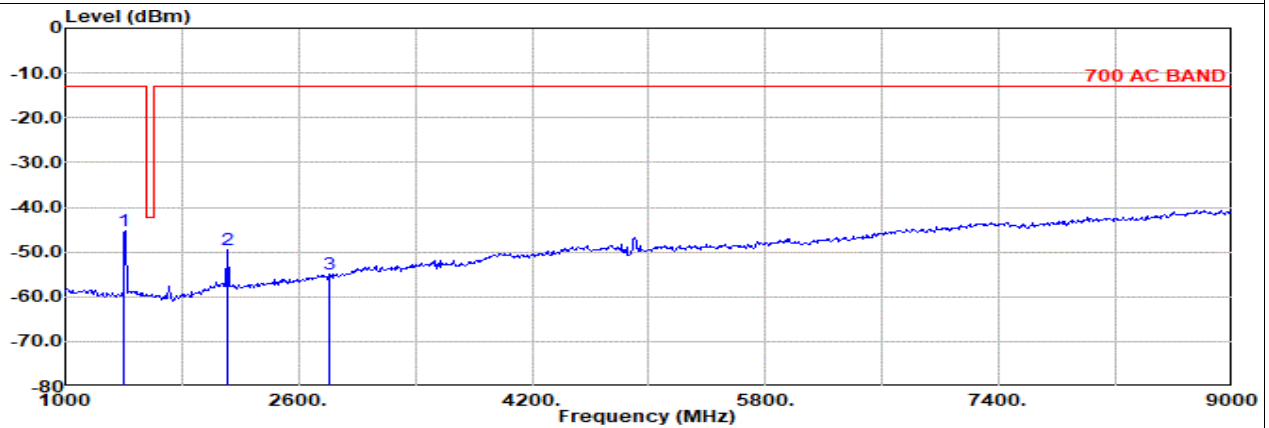


Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-230731 Horizontal

: LTE Band 12 10M Ch23095 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin Pol	
				Factor	1					
1	1406.00	-42.84	RMS	25.90	-28.12	1.10	-95.23	53.51	-13.00	-29.84 Horizontal
2	2109.00	-46.03	RMS	27.50	-26.61	0.65	-95.23	47.66	-13.00	-33.03 Horizontal
3	2812.00	-55.39	RMS	28.50	-25.44	0.41	-95.23	36.37	-13.00	-42.39 Horizontal



Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-230731 Vertical

: LTE Band 12 10M Ch23095 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin Pol	
				Factor	1					
1	1406.00	-45.43	RMS	25.90	-28.12	1.10	-95.23	50.92	-13.00	-32.43 Vertical
2	2109.00	-49.60	RMS	27.50	-26.61	0.65	-95.23	44.09	-13.00	-36.60 Vertical
3	2812.00	-54.92	RMS	28.50	-25.44	0.41	-95.23	36.84	-13.00	-41.92 Vertical

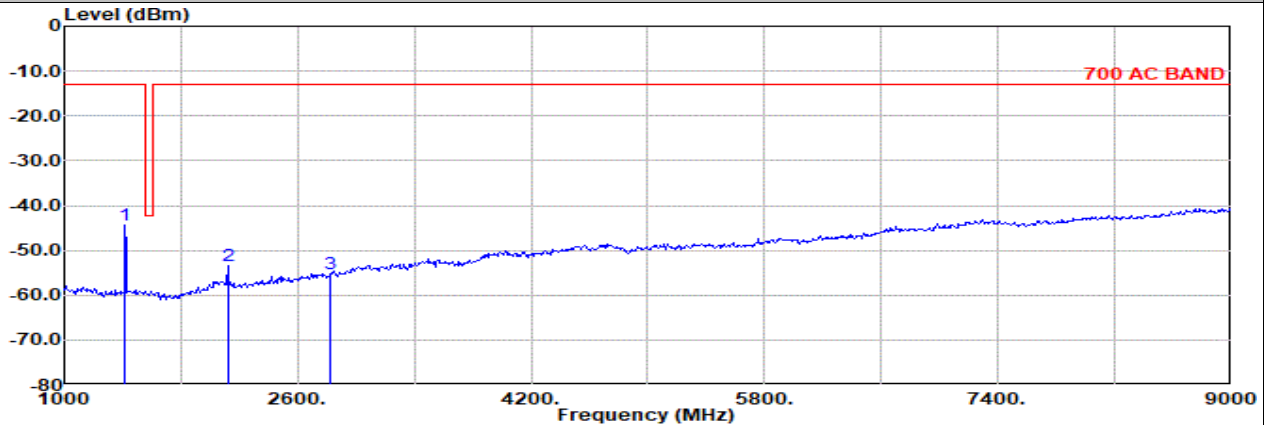


Main Antenna

Part 27H Mode 1

LTE B12 10M Ch23130 1RB0 QPSK

H

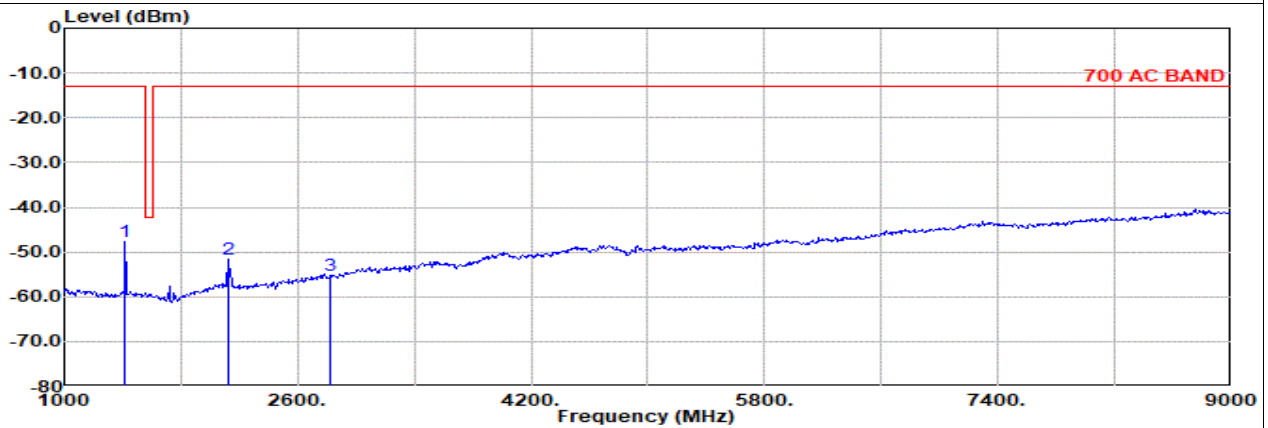


Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-230731 Horizontal

: LTE Band 12 10M Ch23130 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	1413.00	-44.27	RMS	25.90	-28.09	1.09	-95.23	52.06	-13.00	-31.27 Horizontal
2	2120.00	-53.31	RMS	27.50	-26.59	0.65	-95.23	40.36	-13.00	-40.31 Horizontal
3	2826.00	-55.24	RMS	28.50	-25.42	0.41	-95.23	36.50	-13.00	-42.24 Horizontal



Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-230731 Vertical

: LTE Band 12 10M Ch23130 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	1413.00	-47.64	RMS	25.90	-28.09	1.09	-95.23	48.69	-13.00	-34.64 Vertical
2	2120.00	-51.69	RMS	27.50	-26.59	0.65	-95.23	41.98	-13.00	-38.69 Vertical
3	2826.00	-55.30	RMS	28.50	-25.42	0.41	-95.23	36.44	-13.00	-42.30 Vertical

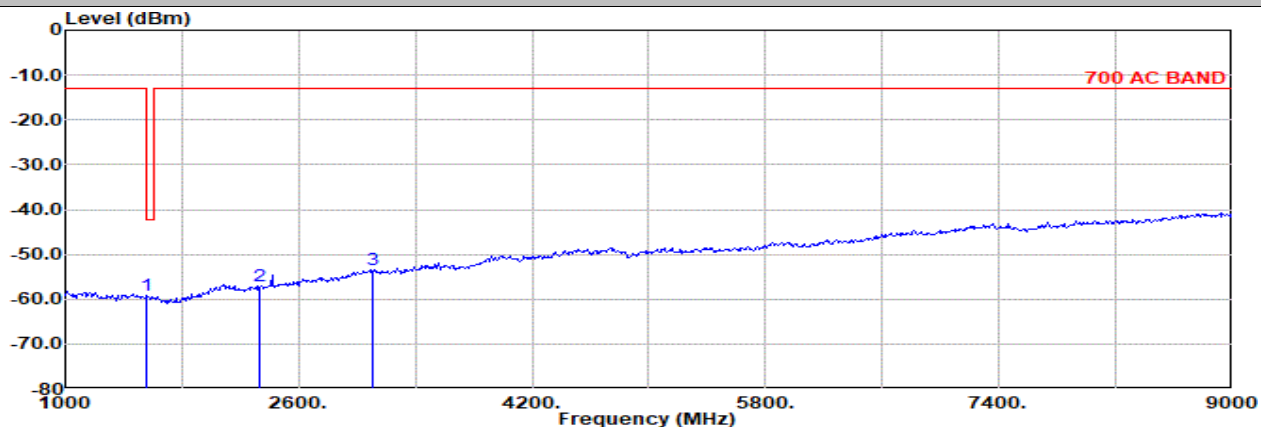


Main Antenna

Part 27F Mode 1

LTE B13 5M Ch23205 1RB0 QPSK

L

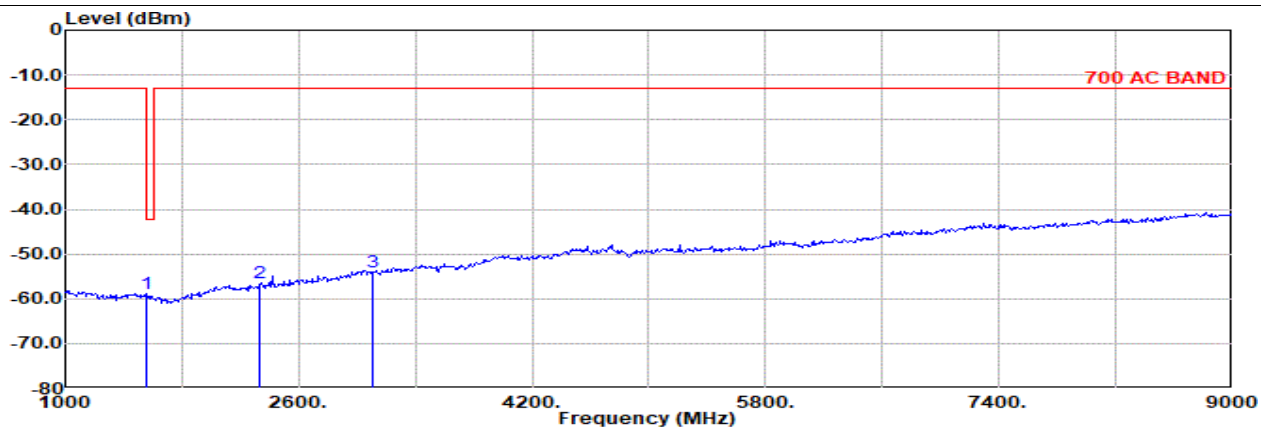


Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-230731 Horizontal

: LTE Band 13 5M Ch23205 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	1555.00	-59.07	RMS	25.60	-27.51	0.85	-95.23	37.22	-13.00	-46.07 Horizontal
2	2332.00	-57.14	RMS	27.22	-26.44	0.58	-95.23	36.73	-13.00	-44.14 Horizontal
3	3109.00	-53.36	RMS	29.78	-25.05	0.39	-95.23	36.75	-13.00	-40.36 Horizontal



Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-230731 Vertical

: LTE Band 13 5M Ch23205 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	1555.00	-58.87	RMS	25.60	-27.51	0.85	-95.23	37.42	-13.00	-45.87 Vertical
2	2332.00	-56.48	RMS	27.22	-26.44	0.58	-95.23	37.39	-13.00	-43.48 Vertical
3	3109.00	-54.04	RMS	29.78	-25.05	0.39	-95.23	36.07	-13.00	-41.04 Vertical

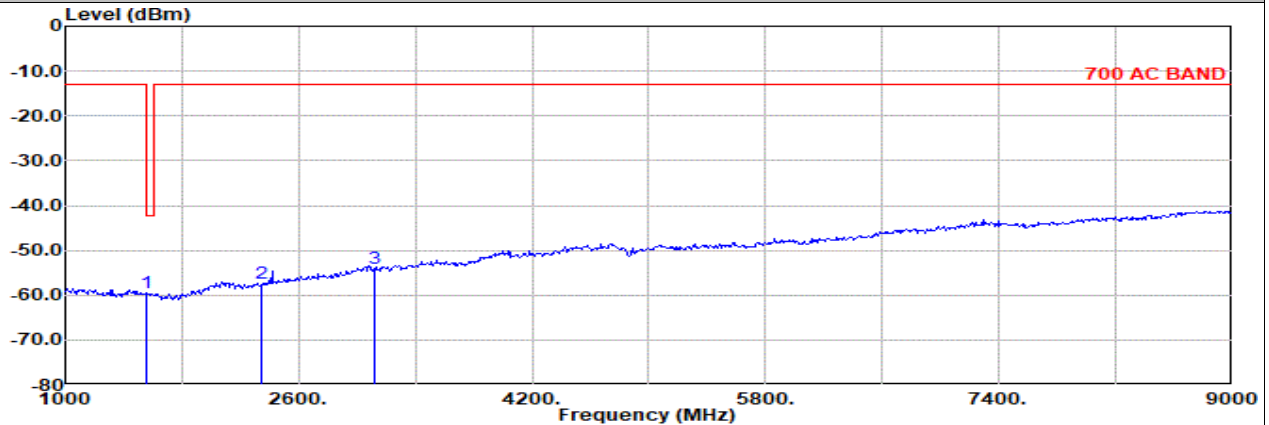


Main Antenna

Part 27F Mode 1

LTE B13 5M Ch23230 1RB0 QPSK

M

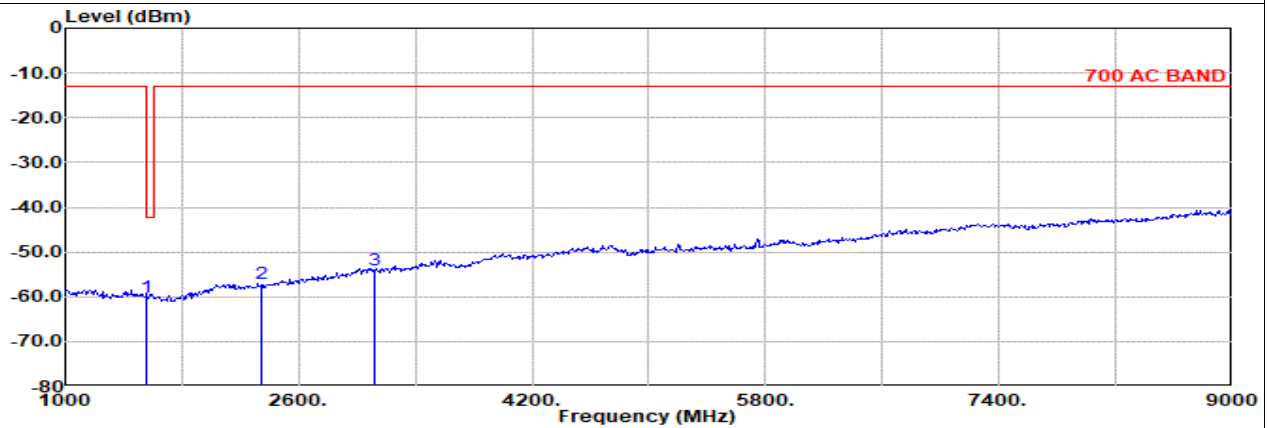


Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-230731 Horizontal

: LTE Band 13 5M Ch23230 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	1559.00	-59.50	RMS	25.60	-27.50	0.85	-95.23	36.78	-42.15	-17.35 Horizontal
2	2339.00	-57.46	RMS	27.29	-26.44	0.58	-95.23	36.34	-13.00	-44.46 Horizontal
3	3119.00	-54.04	RMS	29.76	-25.03	0.39	-95.23	36.07	-13.00	-41.04 Horizontal



Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-230731 Vertical

: LTE Band 13 5M Ch23230 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	1559.00	-60.10	RMS	25.60	-27.50	0.85	-95.23	36.18	-42.15	-17.95 Vertical
2	2339.00	-57.00	RMS	27.29	-26.44	0.58	-95.23	36.80	-13.00	-44.00 Vertical
3	3119.00	-54.06	RMS	29.76	-25.03	0.39	-95.23	36.05	-13.00	-41.06 Vertical

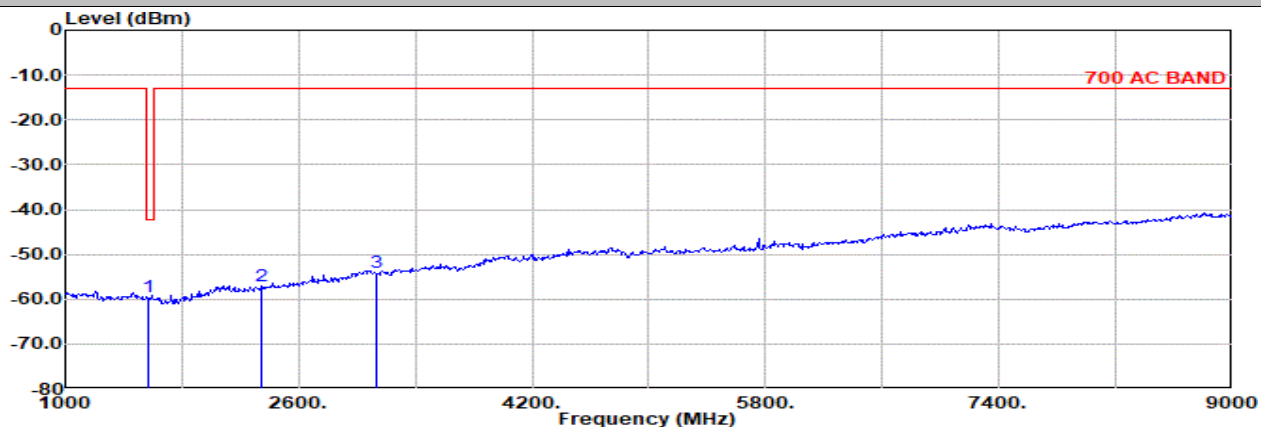


Main Antenna

Part 27F Mode 1

LTE B13 5M Ch23255 1RB0 QPSK

H

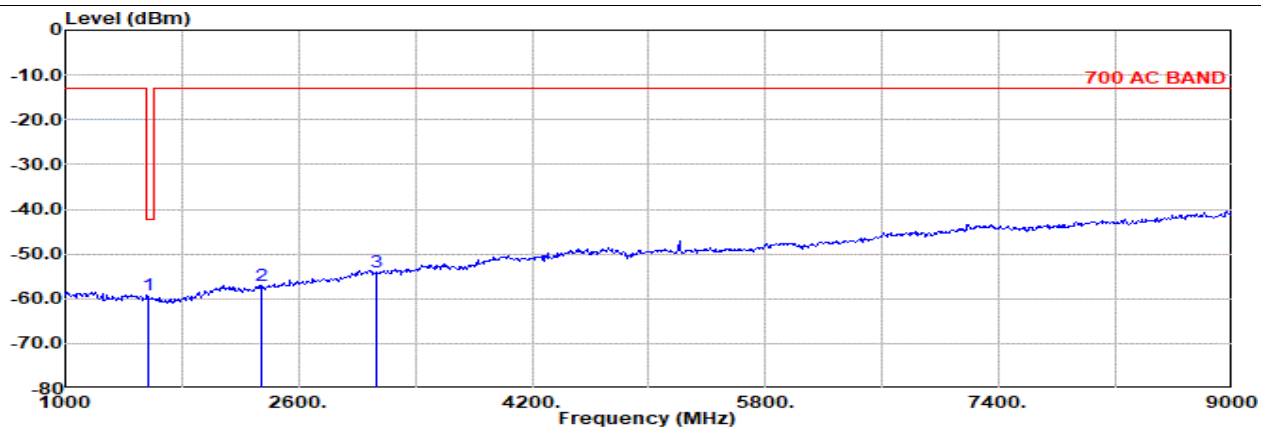


Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-230731 Horizontal

: LTE Band 13 5M Ch23255 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	1565.00	-59.54	RMS	25.60	-27.48	0.84	-95.23	36.73	-42.15	-17.39 Horizontal
2	2347.00	-56.92	RMS	27.30	-26.44	0.57	-95.23	36.88	-13.00	-43.92 Horizontal
3	3129.00	-54.18	RMS	29.74	-25.02	0.39	-95.23	35.94	-13.00	-41.18 Horizontal



Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-230731 Vertical

: LTE Band 13 5M Ch23255 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	1565.00	-59.09	RMS	25.60	-27.48	0.84	-95.23	37.18	-42.15	-16.94 Vertical
2	2347.00	-57.13	RMS	27.30	-26.44	0.57	-95.23	36.67	-13.00	-44.13 Vertical
3	3129.00	-54.00	RMS	29.74	-25.02	0.39	-95.23	36.12	-13.00	-41.00 Vertical

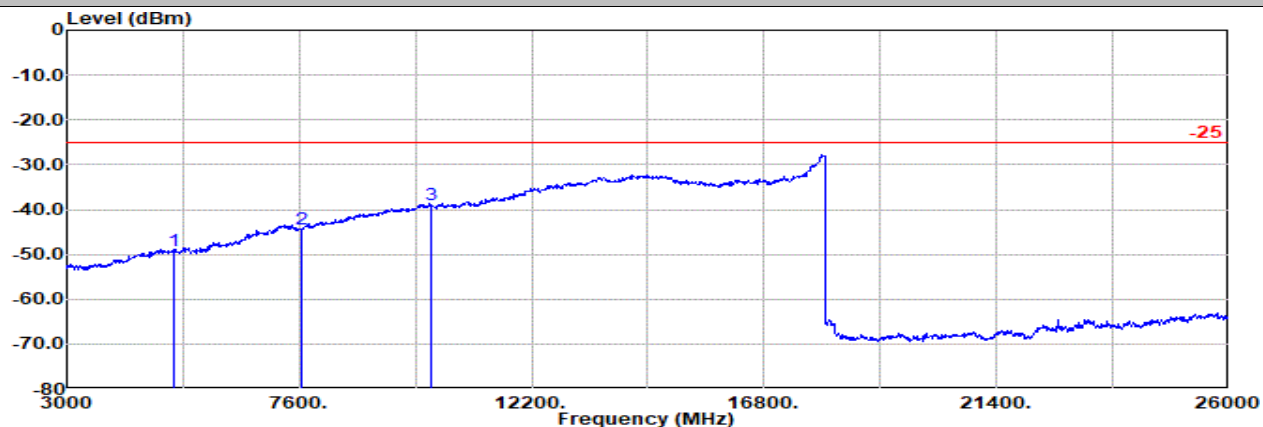


Main Antenna

Part 27M Mode 1

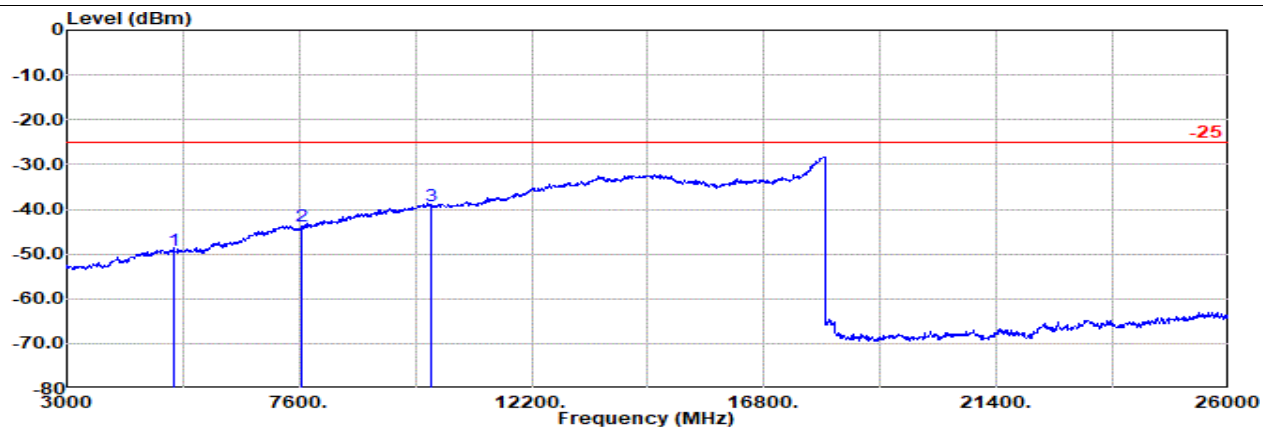
LTE B7 20M Ch21350 1RB0 QPSK

H



Site : 03CH12-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	dB	dBuV	dBm	dB
1	5102.00	-49.28	RMS	33.49	-23.13	0.47	-95.23	0.00	-25.00	-24.28 Horizontal
2	7653.00	-44.41	RMS	36.51	-20.93	0.37	-95.23	34.87	-25.00	-19.41 Horizontal
3	10204.00	-38.93	RMS	38.99	-18.36	0.46	-95.23	35.21	-25.00	-13.93 Horizontal



Site : 03CH12-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	dB	dBuV	dBm	dB
1	5102.00	-49.17	RMS	33.49	-23.13	0.47	-95.23	35.23	-25.00	-24.17 Vertical
2	7653.00	-43.81	RMS	36.51	-20.93	0.37	-95.23	35.47	-25.00	-18.81 Vertical
3	10204.00	-39.17	RMS	38.99	-18.36	0.46	-95.23	34.97	-25.00	-14.17 Vertical

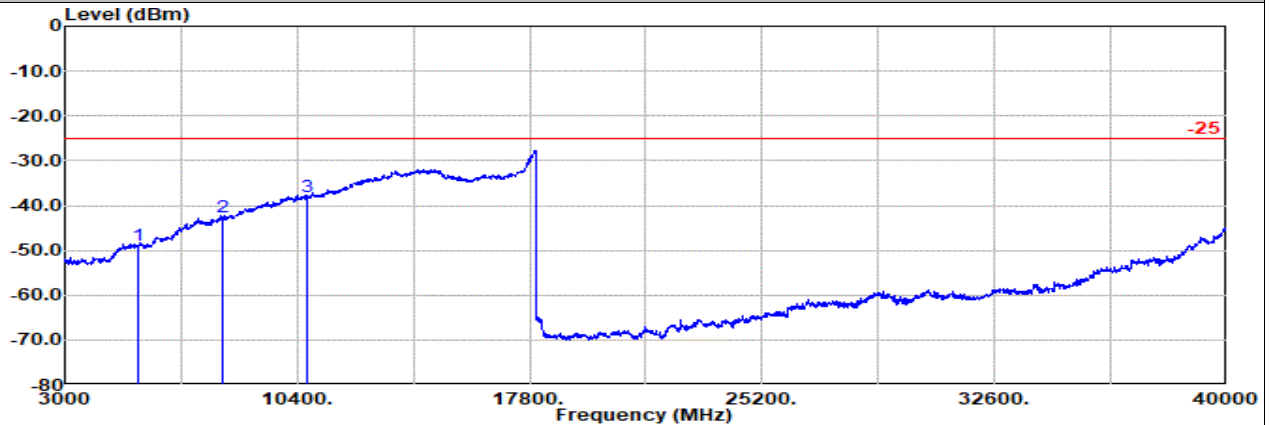


Main Antenna

Part 27M Mode 2

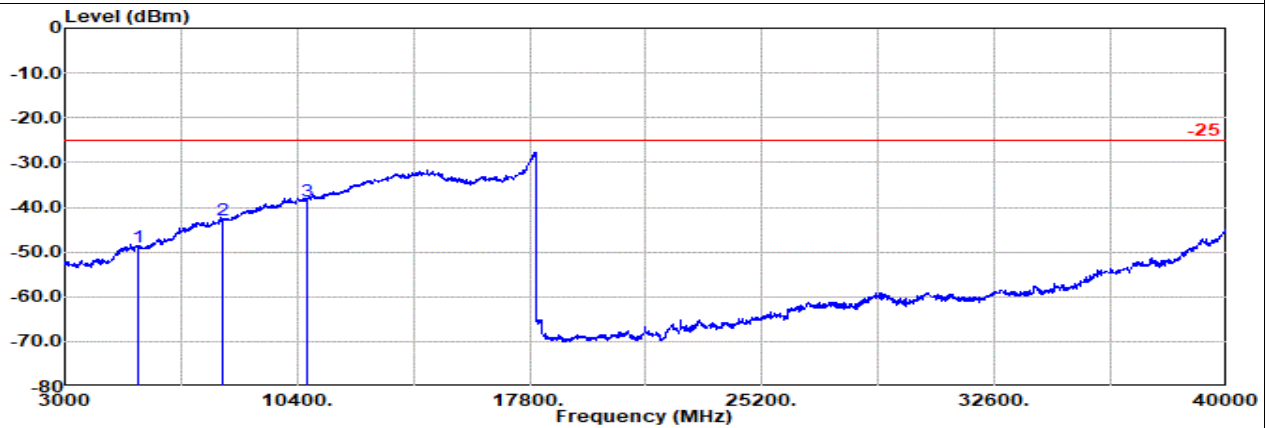
LTE B41 20M Ch41490 1RB1 QPSK

H



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

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	5342.00	-48.97	RMS	33.20	-22.06	0.43	-95.23	0.00	-25.00	-23.97 Horizontal
2	8013.00	-42.62	RMS	37.30	-20.66	0.42	-95.23	35.55	-25.00	-17.62 Horizontal
3	10684.00	-38.15	RMS	39.30	-17.99	0.45	-95.23	35.32	-25.00	-13.15 Horizontal



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

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	5342.00	-48.99	RMS	33.20	-22.06	0.43	-95.23	34.67	-25.00	-23.99 Vertical
2	8013.00	-42.94	RMS	37.30	-20.66	0.42	-95.23	35.23	-25.00	-17.94 Vertical
3	10684.00	-38.52	RMS	39.30	-17.99	0.45	-95.23	34.95	-25.00	-13.52 Vertical

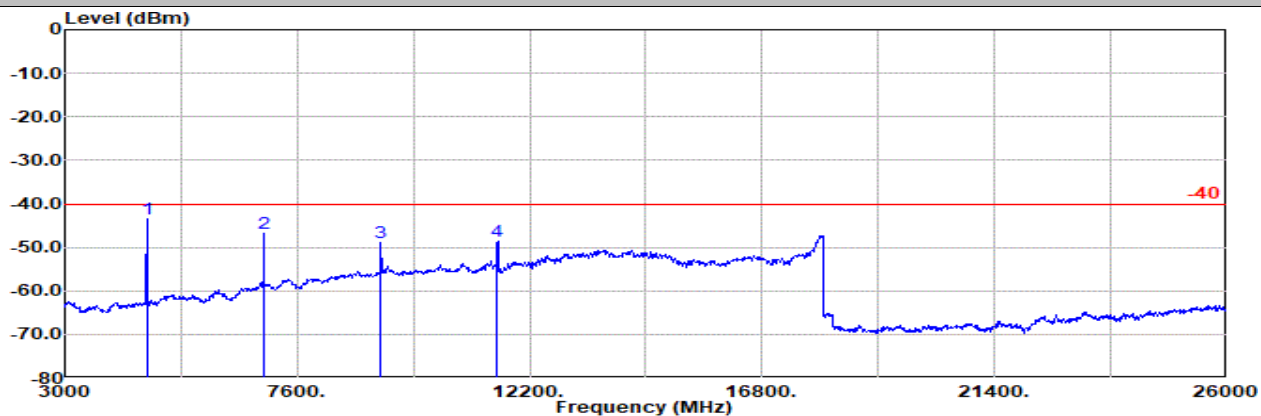


Main Antenna

Part 27D Mode 1

LTE B30 5M Ch27735 1RB0 QPSK

H

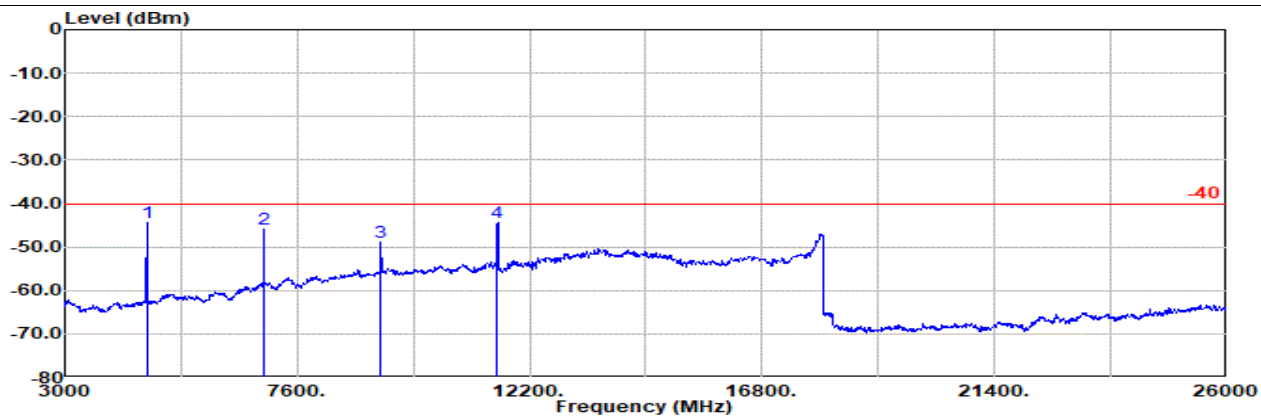


Site : 03CH12-HY

Condition: -40 3m 9120D-02114-230731 Horizontal

: LTE Band 30 BW5M Ch27735 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	4620.00	-43.48	RMS	31.76	-56.24	0.48	-95.23	75.75	-40.00	-3.48	Horizontal
2	6931.00	-46.74	RMS	36.00	-51.85	0.34	-95.23	64.00	-40.00	-6.74	Horizontal
3	9241.00	-48.93	RMS	38.40	-51.39	0.34	-95.23	58.95	-40.00	-8.93	Horizontal
4	11551.00	-48.49	RMS	39.10	-48.02	0.42	-95.23	55.24	-40.00	-8.49	Horizontal



Site : 03CH12-HY

Condition: -40 3m 9120D-02114-230731 Vertical

: LTE Band 30 BW5M Ch27735 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	4620.00	-44.51	RMS	31.76	-56.24	0.48	-95.23	74.72	-40.00	-4.51	Vertical
2	6931.00	-45.85	RMS	36.00	-51.85	0.34	-95.23	64.89	-40.00	-5.85	Vertical
3	9241.00	-48.90	RMS	38.40	-51.39	0.34	-95.23	58.98	-40.00	-8.90	Vertical
4	11551.00	-44.32	RMS	39.10	-48.02	0.42	-95.23	59.41	-40.00	-4.32	Vertical

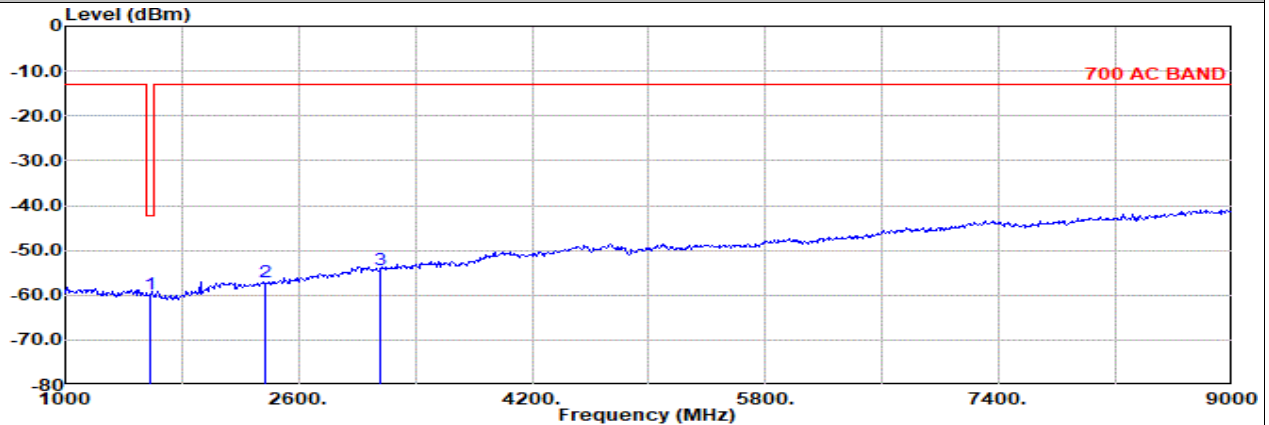


Main Antenna

Part 90R Mode 1

LTE B14 5M Ch23305 1RB0 QPSK

L

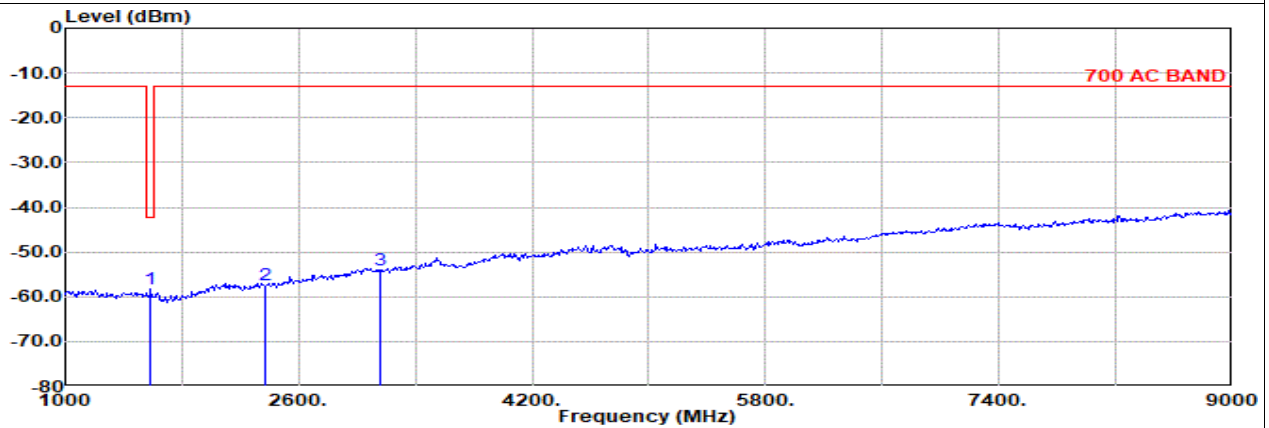


Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-230731 Horizontal

: LTE Band 14 5M Ch23305 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin		Pol
				Factor	1						
	MHz	dBm									
1	1577.00	-59.89	RMS	25.60	-27.45	0.82	-95.23	36.37	-42.15	-17.74	Horizontal
2	2365.00	-57.13	RMS	27.40	-26.44	0.56	-95.23	36.58	-13.00	-44.13	Horizontal
3	3153.00	-54.29	RMS	29.71	-24.98	0.38	-95.23	35.83	-13.00	-41.29	Horizontal



Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-230731 Vertical

: LTE Band 14 5M Ch23305 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin		Pol
				Factor	1						
	MHz	dBm									
1	1577.00	-58.29	RMS	25.60	-27.45	0.82	-95.23	37.97	-42.15	-16.14	Vertical
2	2365.00	-57.47	RMS	27.40	-26.44	0.56	-95.23	36.24	-13.00	-44.47	Vertical
3	3153.00	-53.99	RMS	29.71	-24.98	0.38	-95.23	36.13	-13.00	-40.99	Vertical

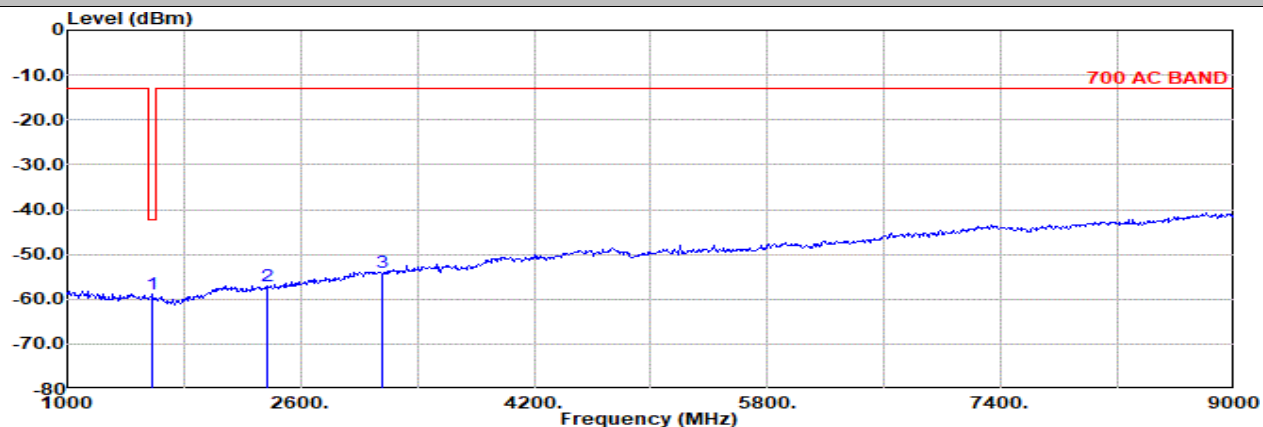


Main Antenna

Part 90R Mode 1

LTE B14 5M Ch23330 1RB0 QPSK

M

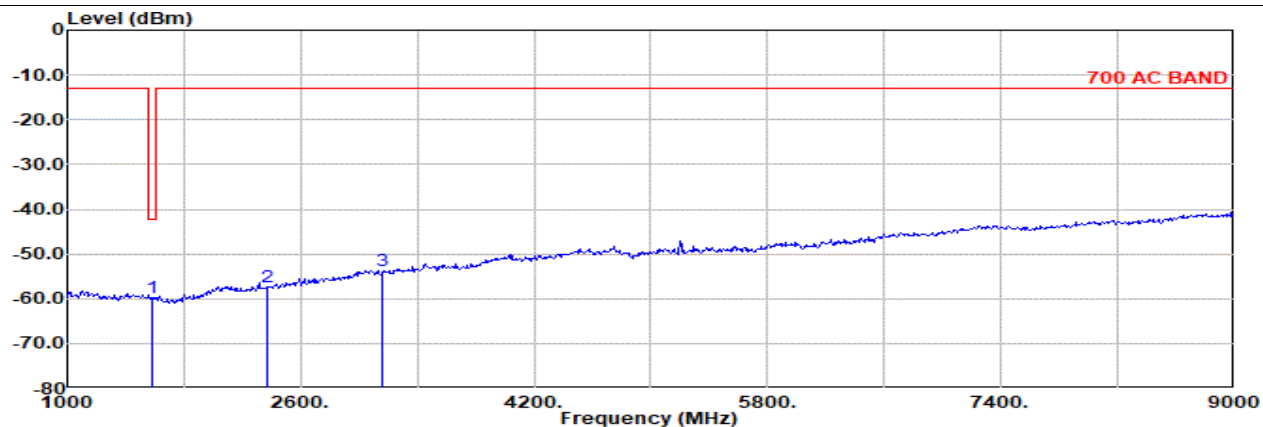


Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-230731 Horizontal

: LTE Band 14 5M Ch23330 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm								
1	1582.00	-58.94	RMS	25.62	-27.43	0.81	-95.23	37.29	-42.15	-16.79 Horizontal
2	2373.00	-57.20	RMS	27.40	-26.43	0.56	-95.23	36.50	-13.00	-44.20 Horizontal
3	3163.00	-53.97	RMS	29.75	-24.96	0.38	-95.23	36.10	-13.00	-40.97 Horizontal



Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-230731 Vertical

: LTE Band 14 5M Ch23330 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm								
1	1582.00	-59.85	RMS	25.62	-27.43	0.81	-95.23	36.38	-42.15	-17.70 Vertical
2	2373.00	-57.29	RMS	27.40	-26.43	0.56	-95.23	36.41	-13.00	-44.29 Vertical
3	3163.00	-53.76	RMS	29.75	-24.96	0.38	-95.23	36.30	-13.00	-40.76 Vertical

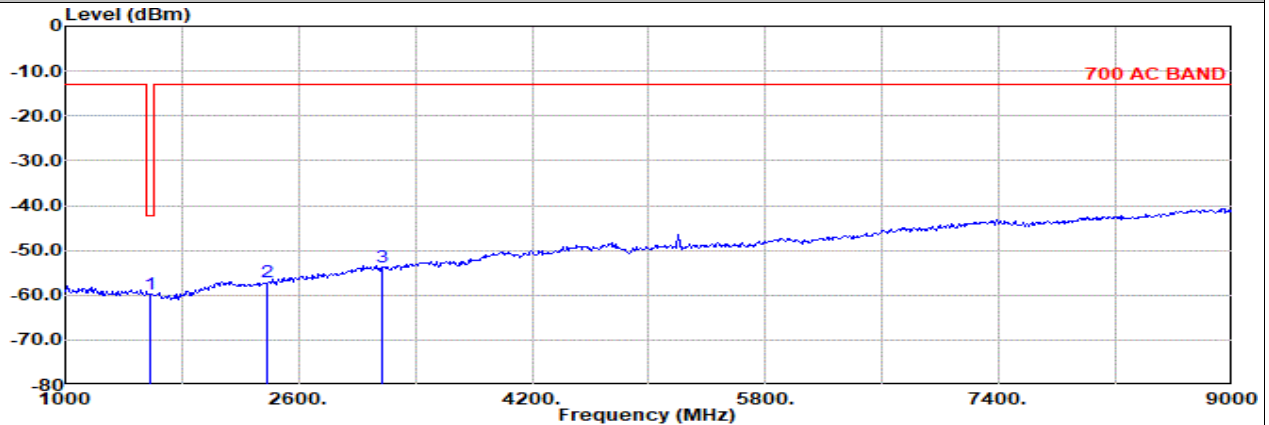


Main Antenna

Part 90R Mode 1

LTE B14 5M Ch23335 1RB0 QPSK

H

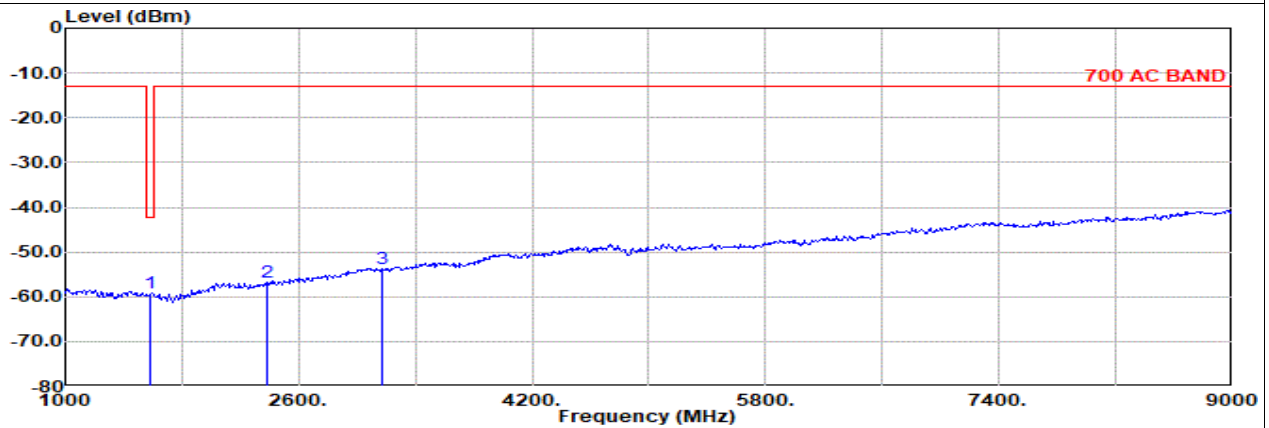


Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-230731 Horizontal

: LTE Band 14 5M Ch23335 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm								
1	1587.00	-59.65	RMS	25.67	-27.42	0.80	-95.23	36.53	-42.15	-17.50 Horizontal
2	2380.00	-57.00	RMS	27.40	-26.43	0.55	-95.23	36.71	-13.00	-44.00 Horizontal
3	3173.00	-53.77	RMS	29.79	-24.94	0.38	-95.23	36.23	-13.00	-40.77 Horizontal



Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-230731 Vertical

: LTE Band 14 5M Ch23335 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm								
1	1587.00	-59.13	RMS	25.67	-27.42	0.80	-95.23	37.05	-42.15	-16.98 Vertical
2	2380.00	-56.83	RMS	27.40	-26.43	0.55	-95.23	36.88	-13.00	-43.83 Vertical
3	3173.00	-53.75	RMS	29.79	-24.94	0.38	-95.23	36.25	-13.00	-40.75 Vertical

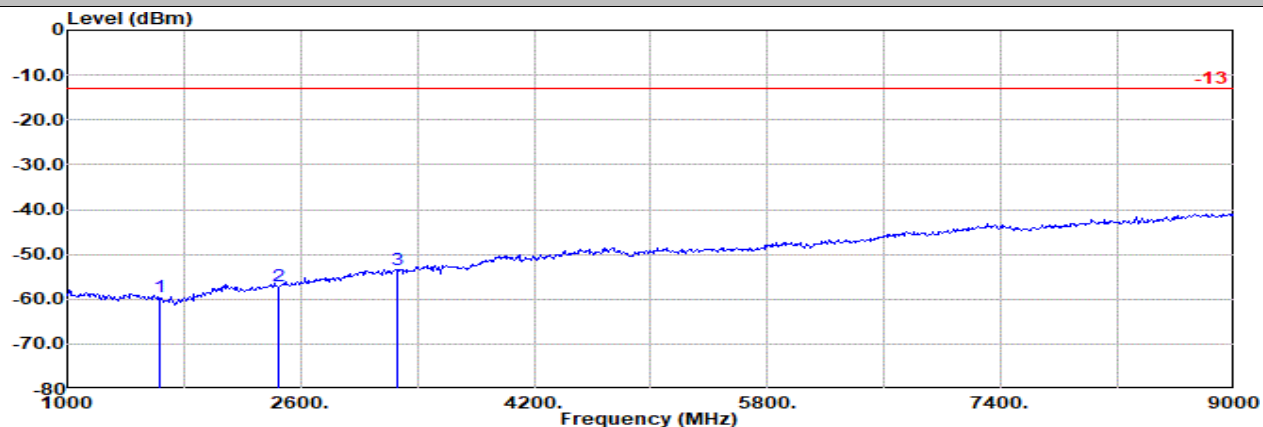


Main Antenna

Part 90S Mode 1

LTE B26 5M Ch26715 1RB0 QPSK

L

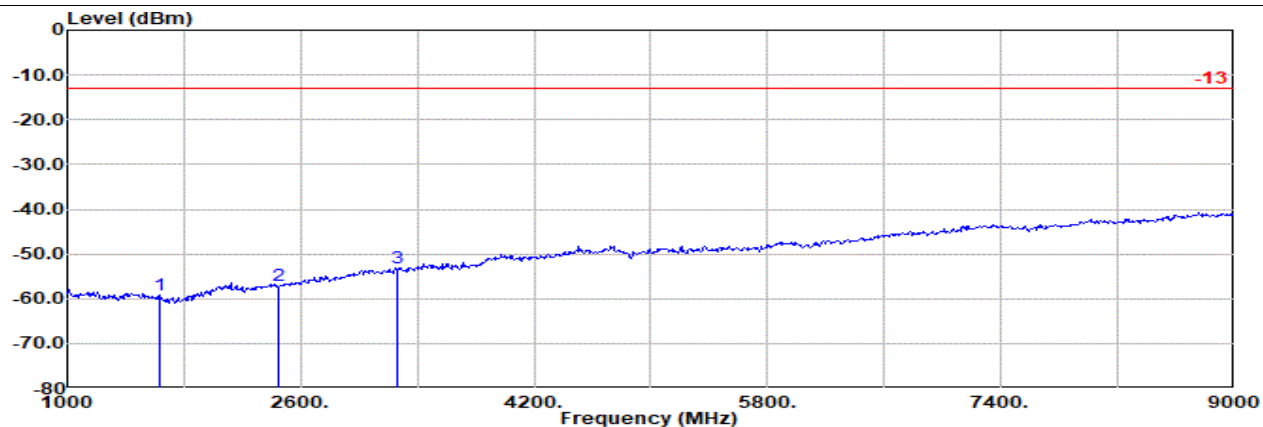


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-230731 Horizontal

: LTE Band 26 5M Ch26715 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	1628.00	-59.61	RMS	25.58	-27.31	0.76	-95.23	36.59	-13.00	-46.61
2	2443.00	-56.98	RMS	27.63	-26.32	0.52	-95.23	36.42	-13.00	-43.98
3	3257.00	-53.42	RMS	29.89	-24.68	0.39	-95.23	36.21	-13.00	-40.42



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-230731 Vertical

: LTE Band 26 5M Ch26715 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	1628.00	-59.32	RMS	25.58	-27.31	0.76	-95.23	36.88	-13.00	-46.32
2	2443.00	-56.94	RMS	27.63	-26.32	0.52	-95.23	36.46	-13.00	-43.94
3	3257.00	-53.24	RMS	29.89	-24.68	0.39	-95.23	36.39	-13.00	-40.24

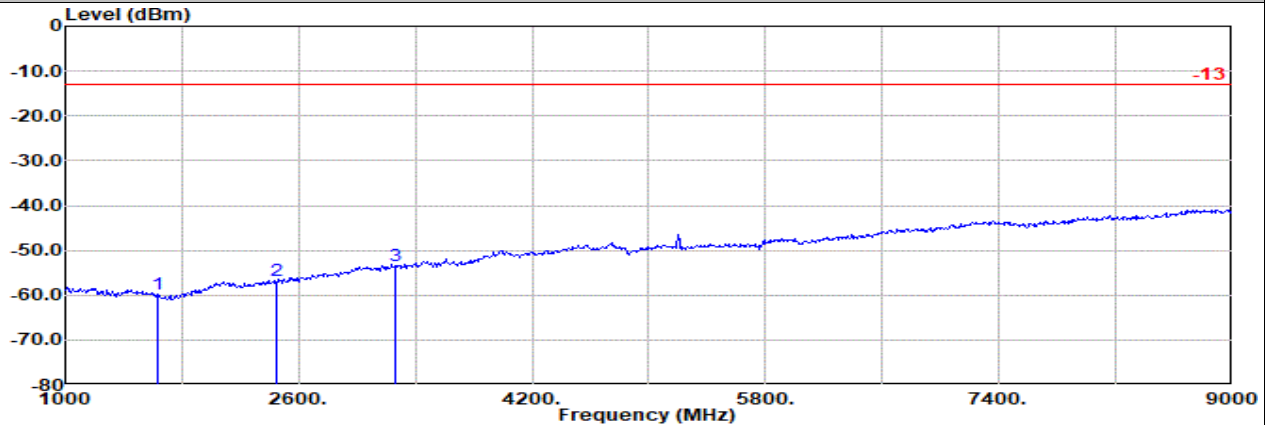


Main Antenna

Part 90S Mode 1

LTE B26 5M Ch26740 1RB0 QPSK

M

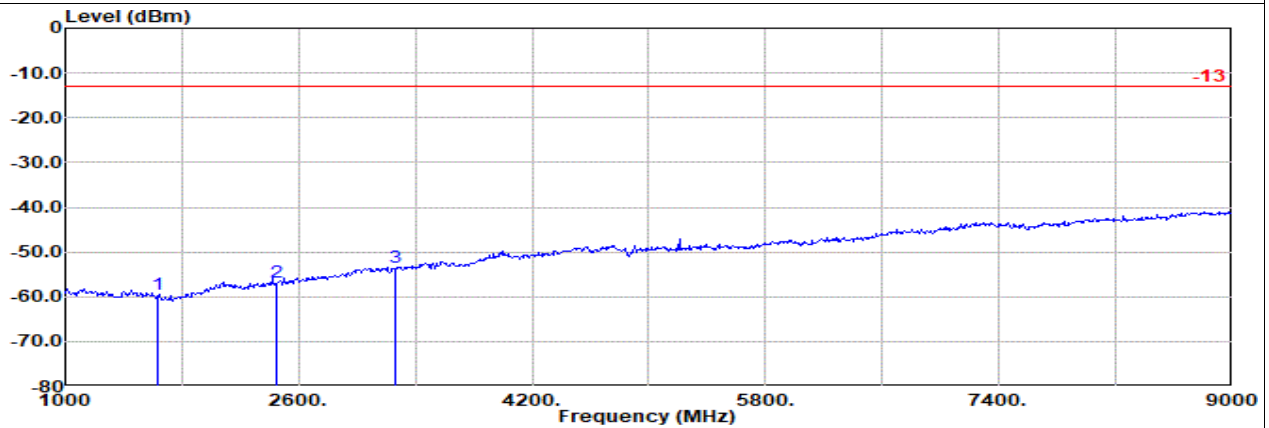


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-230731 Horizontal

: LTE Band 26 5M Ch26740 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	1633.00	-59.86	RMS	25.57	-27.30	0.76	-95.23	36.34	-13.00	-46.86
2	2450.00	-56.88	RMS	27.70	-26.30	0.52	-95.23	36.43	-13.00	-43.88
3	3267.00	-53.46	RMS	29.87	-24.65	0.39	-95.23	36.16	-13.00	-40.46

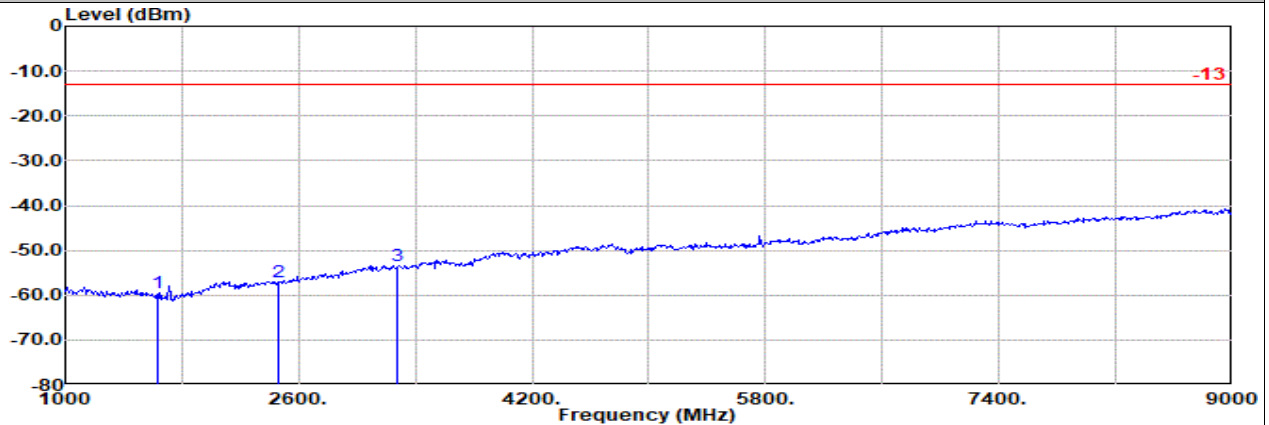


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-230731 Vertical

: LTE Band 26 5M Ch26740 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	1633.00	-59.60	RMS	25.57	-27.30	0.76	-95.23	36.60	-13.00	-46.60
2	2450.00	-56.74	RMS	27.70	-26.30	0.52	-95.23	36.57	-13.00	-43.74
3	3267.00	-53.56	RMS	29.87	-24.65	0.39	-95.23	36.06	-13.00	-40.56

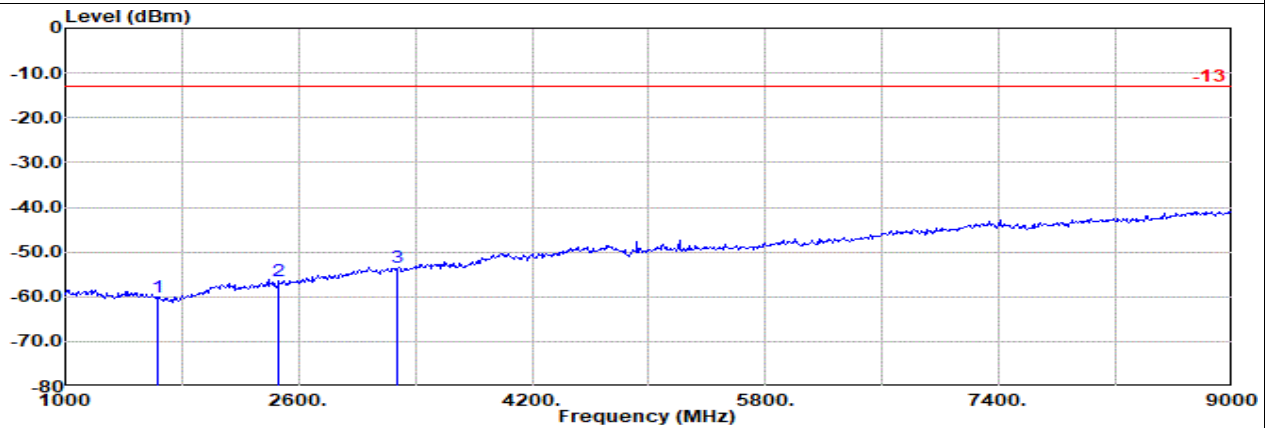
**Main Antenna****Part 90S Mode 1****LTE B26 5M Ch26765 1RB0 QPSK****H**

Site : 03CH12-HY

Condition: -13 3m 9120D-02114-230731 Horizontal

: LTE Band 26 5M Ch26765 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	1638.00	-59.59	RMS	25.52	-27.29	0.76	-95.23	36.65	-13.00	-46.59 Horizontal
2	2458.00	-57.02	RMS	27.78	-26.28	0.52	-95.23	36.19	-13.00	-44.02 Horizontal
3	3277.00	-53.50	RMS	29.85	-24.61	0.39	-95.23	36.10	-13.00	-40.50 Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-230731 Vertical

: LTE Band 26 5M Ch26765 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	1638.00	-59.98	RMS	25.52	-27.29	0.76	-95.23	36.26	-13.00	-46.98 Vertical
2	2458.00	-56.60	RMS	27.78	-26.28	0.52	-95.23	36.61	-13.00	-43.60 Vertical
3	3277.00	-53.51	RMS	29.85	-24.61	0.39	-95.23	36.09	-13.00	-40.51 Vertical

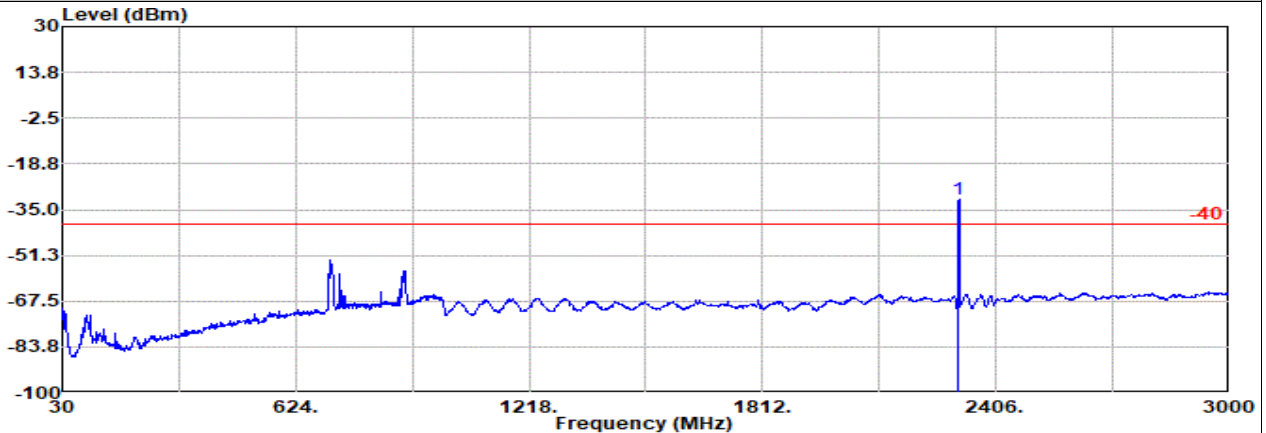


Main Antenna

Part 27D Mode 1

LTE B30 5M Ch27735 1RB0 QPSK

H



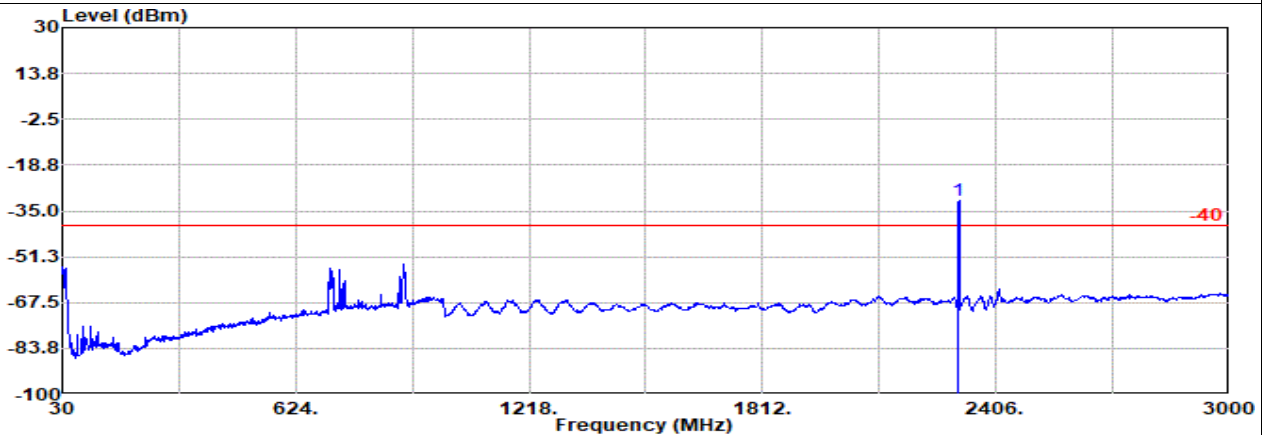
Site : 03CH12-HY

Condition: -40 3m 9120D-02114-230731 Horizontal

: LTE Band 30 BW5M Ch27735 1RB0 QPSK

: #1 is fundamental signal which can be ignored.

1	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF		Readin	Limit	Margin Pol	
	MHz	dBm		Factor	1	dB	dB	dBuV	dBm	dB	
1	2310.34	-31.54	RMS	27.30	-59.81	0.51	-95.23	95.69	-40.00	8.46	Horizontal



Site : 03CH12-HY

Condition: -40 3m 9120D-02114-230731 Vertical

: LTE Band 30 BW5M Ch27735 1RB0 QPSK

: #1 is fundamental signal which can be ignored.

1	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF		Readin	Limit	Margin Pol	
	MHz	dBm		Factor	1	dB	dB	dBuV	dBm	dB	
1	2310.34	-31.34	RMS	27.30	-59.81	0.51	-95.23	95.89	-40.00	8.66	Vertical

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