FCC RF Test Report

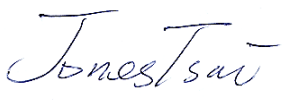
APPLICANT	:	TCT Mobile Limited
EQUIPMENT	:	Tablet PC
BRAND NAME	:	ALCATEL one touch
MODEL NAME	:	ONE TOUCH EVO 7HD / ONE TOUCH E710 (Module:one touch M800O)
FCC ID	:	RAD456
STANDARD	:	47 CFR Part 2, 22(H), 24(E), 27(H), 27(L), 27(M)
CLASSIFICATION	:	PCS Licensed Transmitter (PCB)

The product was integrated the WWAN Module (Brand Name: ALCATEL/one touch / Model Name: one touch M800O, FCC ID: RAD382) during the test.

The product was received on Jun. 13, 2013 and testing was completed on Nov. 27, 2013. We, SPORTON INTERNATIONAL (SHENZHEN) INC., would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI / TIA / EIA-603-C-2004 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL (SHENZHEN) INC., the test report shall not be reproduced except in full.

Reviewed by: Joseph Lin / Supervisor



Approved by: Jones Tsai / Manager

SPORTON INTERNATIONAL (SHENZHEN) INC.

No. 3 Building, the third floor of south, Shahe River west, Fengzeyuan warehouse, Nanshan District, Shenzhen, Guangdong, P.R.C.

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG361311-01B	Rev. 01	This is a report for ONE TOUCH EVO 7HD / ONE TOUCH E710 (Module: one touch M800O). The product equality declaration could be referred to Appendix B. All test cases were performed on original report which can be referred to SPORTON Report Number FG361310B (FCC ID: RAD382). Based on the original test report, only ERP/EIRP and Radiated Spurious Emission were verified for the difference.	Dec. 02, 2013

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
错误!未找到引用源。	§2.1046	Conducted Output Power	Reporting Only	PASS	-
3.1	§22.913(a)(2)	Effective Radiated Power (Band 5)	ERP < 7 Watts	PASS	-
	§27.50(c)(10)	Effective Radiated Power (Band 17)	ERP < 3 Watts		
	§24.232(c) §27.50(a)	Equivalent Isotropic Radiated Power (Band 2) (Band 7)	EIRP < 2Watt		
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (Band 4)	EIRP < 1Watt		
3.2	§2.1053 §22.917(a) §24.238(a) §27.53(g)(h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 17)	< $43+10\log_{10}$(P[Watts])	PASS	Under limit 14.67 dB at 2125.000 MHz
	§2.1053 §27.53(m)	Radiated Spurious Emission (Band 7)	-25 dBm		

1 General Description

1.1 Applicant

TCT Mobile Limited

5F, C building, No. 232, Liang Jing Road ZhangJiang High-Tech Park, Pudong Area Shanghai, P.R. China. 201203

1.2 Manufacturer

TCL COMMUNICATION TECHNOLOGY HOLDINGS LIMITED

70 Huifeng 4rd, ZhongKai Hi-tech Development District, Huizhou, Guangdong 516006 P.R.China (TCL Mobile Communication Co., LTD.Huizhou)

1.3 Feature of Equipment Under Test

Product Feature	
Equipment	Tablet PC
Brand Name	ALCATEL one touch
Model Name	ONE TOUCH EVO 7HD / ONE TOUCH E710 (Module:one touch M800O)
FCC ID	RAD456
EUT supports Radios application	GPRS/EGPRS/WCDMA/HSPA/HSPA+/DC-HSDPA/LTE WLAN 2.4GHz 802. 11b/g/n (HT20/HT40) Bluetooth v3.0 + EDR
HW Version	JUPITER_MAIN_V6.0
SW Version	UPDATA_111_104
EUT Stage	Production Unit

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Product Specification of Equipment Under Test

Product Specification subjective 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 : 2506.5 MHz ~ 2534.5 MHz and 2562.5 MHz ~ 2567.5 MHz LTE Band 17 : 706.5 MHz ~ 713.5 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 : 2626.5MHz ~ 2654.5 MHz and 2666.5 MHz ~ 2687.5 MHz LTE Band 17 : 736.5 MHz ~ 743.5 MHz
Bandwidth	1.4MHz/3MHz/5MHz/10MHz/15MHz/20MHz (LTE Band 2/4) 1.4MHz/3MHz/5MHz/10MHz (LTE Band 5) 5MHz/10MHz/15MHz/20MHz (LTE Band 7) 5MHz/10MHz (LTE Band 17)
Antenna Type	IFA Antenna
Type of Modulation	QPSK / 16QAM

1.5 Modification of EUT

No modifications are made to the EUT during all test items.

1.6 Maximum ERP/EIRP Power

FCC Rule	System	Type of Modulation	BW	Maximum EIRP
Part 24E	LTE Band 2	QPSK	1.4 MHz	0.0207 W
Part 24E	LTE Band 2	16QAM	1.4 MHz	0.0179 W
Part 24E	LTE Band 2	QPSK	3 MHz	0.0184 W
Part 24E	LTE Band 2	16QAM	3 MHz	0.0185 W
Part 24E	LTE Band 2	QPSK	5 MHz	0.0218 W
Part 24E	LTE Band 2	16QAM	5 MHz	0.0182 W
Part 24E	LTE Band 2	QPSK	10 MHz	0.0211 W
Part 24E	LTE Band 2	16QAM	10 MHz	0.0181 W
Part 24E	LTE Band 2	QPSK	15 MHz	0.0203 W
Part 24E	LTE Band 2	16QAM	15 MHz	0.0174 W
Part 24E	LTE Band 2	QPSK	20 MHz	0.0202 W
Part 24E	LTE Band 2	16QAM	20 MHz	0.0195 W
Part 27L	LTE Band 4	QPSK	1.4MHz	0.0223 W
Part 27L	LTE Band 4	16QAM	1.4MHz	0.0128 W
Part 27L	LTE Band 4	QPSK	3MHz	0.0150 W
Part 27L	LTE Band 4	16QAM	3MHz	0.0102 W
Part 27L	LTE Band 4	QPSK	5MHz	0.0217 W
Part 27L	LTE Band 4	16QAM	5MHz	0.0096 W
Part 27L	LTE Band 4	QPSK	10MHz	0.0221 W
Part 27L	LTE Band 4	16QAM	10MHz	0.0105 W
Part 27L	LTE Band 4	QPSK	15MHz	0.0223 W
Part 27L	LTE Band 4	16QAM	15MHz	0.0105 W
Part 27L	LTE Band 4	QPSK	20MHz	0.0211 W
Part 27L	LTE Band 4	16QAM	20MHz	0.0136 W
Part 27M	LTE Band 7	QPSK	5MHz	0.0171 W
Part 27M	LTE Band 7	16QAM	5MHz	0.0188 W
Part 27M	LTE Band 7	QPSK	10MHz	0.0195 W
Part 27M	LTE Band 7	16QAM	10MHz	0.0188 W
Part 27M	LTE Band 7	QPSK	15MHz	0.0179 W
Part 27M	LTE Band 7	16QAM	15MHz	0.0161 W
Part 27M	LTE Band 7	QPSK	20MHz	0.0192 W
Part 27M	LTE Band 7	16QAM	20MHz	0.0191 W

FCC Rule	System	Type of Modulation	BW	Maximum ERP
Part 22H	LTE Band 5	QPSK	1.4MHz	0.0298 W
Part 22H	LTE Band 5	16QAM	1.4MHz	0.0254 W
Part 22H	LTE Band 5	QPSK	3MHz	0.0313 W
Part 22H	LTE Band 5	16QAM	3MHz	0.0261 W
Part 22H	LTE Band 5	QPSK	5MHz	0.0304 W
Part 22H	LTE Band 5	16QAM	5MHz	0.0281 W
Part 22H	LTE Band 5	QPSK	10MHz	0.0305 W
Part 22H	LTE Band 5	16QAM	10MHz	0.0256 W
Part 27H	LTE Band 17	QPSK	5MHz	0.0117 W
Part 27H	LTE Band 17	16QAM	5MHz	0.0098 W
Part 27H	LTE Band 17	QPSK	10MHz	0.0124 W
Part 27H	LTE Band 17	16QAM	10MHz	0.0097 W

1.7 Testing Site

Test Site	SPORTON INTERNATIONAL (SHENZHEN) INC.	
Test Site Location	No. 3 Building, the third floor of south, Shahe River west, Fengzeyuan warehouse, Nanshan District, Shenzhen, Guangdong, P.R.C. TEL: +86-755- 3320-2398	
Test Site No.	**Sporton Site No.**	**FCC Registration No.**
	03CH01-SZ	831040

Test Site	SPORTON INTERNATIONAL (SHENZHEN) INC.
Test Site Location	No. 101, Complex Building C, Guanlong Village, Xili Town, Nanshan District, Shenzhen, Guangdong, P.R.C. TEL: +86-755-8637-9589 FAX: +86-755-8637-9595
Test Site No.	**Sporton Site No.**
	OTA01-SZ

1.8 Applied Standards

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

- 47 CFR Part 2, 22(H), 24(E), 27(H), 27(L), 27(M)
- ANSI / TIA / EIA-603-C-2004
- FCC KDB 971168 D01 Power Meas. License Digital Systems v02r01

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

2.1 Test Mode

During all testing, EUT is in link mode with base station emulator at maximum power level. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT was rotated on three test planes to find out the worst emission (Y plane for LTE Band 2, X plane for LTE Band 4/5/7/17).

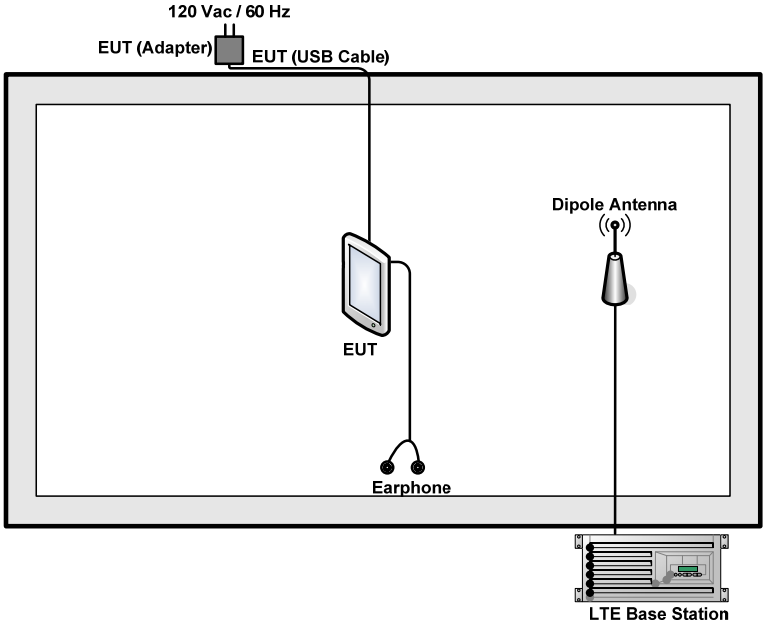
Frequency range investigated for radiated emission: 30MHz to 10th harmonic.

Test Modes			
Band		**Radiated TCs**	**ERP/EIRP TCs**
LTE Band 2	**BW 1.4MHz**	■ LTE (RB Size 1, RB Offset 0) QPSK Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 3) Link ■ LTE (RB Size 6) Link
	BW 3MHz	■ LTE (RB Size 1, RB Offset 0) QPSK Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 8) Link ■ LTE (RB Size 15) Link
	BW 5MHz	■ LTE (RB Size 1, RB Offset 0) QPSK Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 12) Link ■ LTE (RB Size 25) Link
	BW 10MHz	■ LTE (RB Size 1, RB Offset 0) QPSK Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 25) Link ■ LTE (RB Size 50) Link
	BW 15MHz	■ LTE (RB Size 1, RB Offset 0) QPSK Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 36) Link ■ LTE (RB Size 75) Link
	BW 20MHz	■ LTE (RB Size 1, RB Offset 0) QPSK Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 50) Link ■ LTE (RB Size 100) Link

Test Modes			
Band		Radiated TCs	ERP/EIRP TCs
LTE Band 4	BW 1.4MHz	■ LTE (RB Size 1, RB Offset 0) QPSK Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 3) Link ■ LTE (RB Size 6) Link
	BW 3MHz	■ LTE (RB Size 1, RB Offset 0) QPSK Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 8) Link ■ LTE (RB Size 15) Link
	BW 5MHz	■ LTE (RB Size 1, RB Offset 0) QPSK Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 12) Link ■ LTE (RB Size 25) Link
	BW 10MHz	■ LTE (RB Size 1, RB Offset 0) QPSK Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 25) Link ■ LTE (RB Size 50) Link
	BW 15MHz	■ LTE (RB Size 1, RB Offset 37) QPSK Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 36) Link ■ LTE (RB Size 75) Link
	BW 20MHz	■ LTE (RB Size 1, RB Offset 0) QPSK Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 50) Link ■ LTE (RB Size 100) Link
LTE Band 5	BW 1.4MHz	■ LTE (RB Size 1, RB Offset 5) QPSK Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 3) Link ■ LTE (RB Size 6) Link
	BW 3MHz	■ LTE (RB Size 1, RB Offset 7) QPSK Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 8) Link ■ LTE (RB Size 15) Link
	BW 5MHz	■ LTE (RB Size 1, RB Offset 12) QPSK Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 12) Link ■ LTE (RB Size 25) Link
	BW 10MHz	■ LTE (RB Size 1, RB Offset 0) QPSK Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 25) Link ■ LTE (RB Size 50) Link

Test Modes			
Band		Radiated TCs	ERP/EIRP TCs
LTE Band 7	BW 5MHz	■ LTE (RB Size 1, RB Offset 12) QPSK Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 12) Link ■ LTE (RB Size 25) Link
	BW 10MHz	■ LTE (RB Size 1, RB Offset 24) QPSK Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 25) Link ■ LTE (RB Size 50) Link
	BW 15MHz	■ LTE (RB Size 1, RB Offset 74) QPSK Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 36) Link ■ LTE (RB Size 75) Link
	BW 20MHz	■ LTE (RB Size 1, RB Offset 99) QPSK Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 50) Link ■ LTE (RB Size 100) Link
LTE Band 17	BW 5MHz	■ LTE (RB Size 1, RB Offset 0) QPSK Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 12) Link ■ LTE (RB Size 25) Link
	BW 10MHz	■ LTE (RB Size 1, RB Offset 24) QPSK Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 25) Link ■ LTE (RB Size 50) Link

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	Earphone	Lenovo	SH100	N/A	Unshielded, 1.2 m	N/A

3 Test Result

3.1 Effective Radiated Power and Equivalent Isotropic Radiated Power Measurement

3.1.1 Description of the ERP/EIRP Measurement

Effective radiated power output measurements by substitution method according to ANSI / TIA / EIA-603-C-2004, and the spectrum analyzer configuration follows KDB 971168 D01 Power Meas. License Digital Systems v02r01. Mobile and portable (hand-held) stations operating are limited to average ERP of 7 watts with LTE band 5 and 3 watt with LTE band 17.

Equivalent isotropic radiated power output measurements by substitution method according to ANSI / TIA / EIA-603-C-2004, and the spectrum analyzer configuration follows KDB 971168 D01 Power Meas. License Digital Systems v02r01. Mobile and portable (hand-held) stations operating are limited to average EIRP of 2 watts with LTE band 2, 7 and 1 watt with LTE band 4.

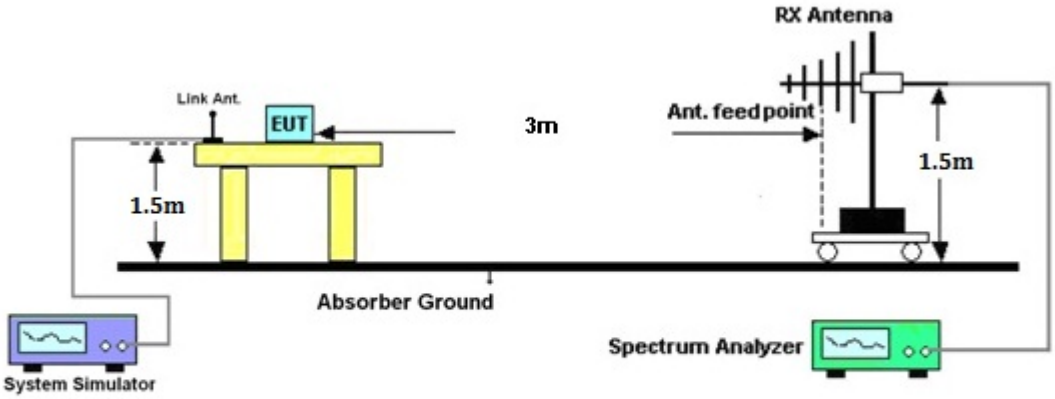
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedures

1. The EUT was placed on a turntable with 1.5 meter height in a fully anechoic chamber.
2. The EUT was set at 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and a spectrum analyzer which used a channel power option across EUT's signal bandwidth per section 4.0 of KDB 971168 D01.
4. The table was rotated 360 degrees to determine the position of the highest radiated power.
5. The height of the receiving antenna is adjusted to look for the maximum ERP/EIRP.
6. Taking the record of maximum ERP/EIRP.
7. A dipole antenna was substituted in place of the EUT and was driven by a signal generator.
8. The conducted power at the terminal of the dipole antenna is measured.
9. Repeat step 3 to step 5 to get the maximum ERP/EIRP of the substitution antenna.
10. ERP/EIRP = Ps + Et – Es + Gs = Ps + Rt – Rs + Gs
    Ps (dBm)：Input power to substitution antenna.
    Gs (dBi or dBd)：Substitution antenna Gain.
    Et = Rt + AF
    Es = Rs + AF
    AF (dB/m)：Receive antenna factor
    Rt：The highest received signal in spectrum analyzer for EUT.
    Rs：The highest received signal in spectrum analyzer for substitution antenna.

3.1.4 Test Setup



3.1.5 Test Result of ERP/EIRP

LTE Band 2 Radiated Power EIRP								
LTE Band	Channel BW (MHz)	Modulation	RB Configuration		Freq. (MHz)	EIRP (dBm)	EIRP (W)	H/V
			RB Size	RB Offset				
2	1.4	QPSK	3	2	1850.7	11.32	0.0136	H
2	1.4	QPSK	1	0	1880	10.61	0.0115	H
2	1.4	QPSK	1	0	1909.3	10.45	0.0111	H
2	1.4	QPSK	3	2	1850.7	11.97	0.0157	V
2	1.4	QPSK	1	0	1880	12.71	0.0187	V
2	1.4	QPSK	1	0	1909.3	13.15	0.0207	V
2	1.4	16QAM	3	0	1850.7	10.61	0.0115	H
2	1.4	16QAM	3	2	1880	9.85	0.0097	H
2	1.4	16QAM	3	1	1909.3	9.71	0.0094	H
2	1.4	16QAM	3	0	1850.7	11.85	0.0153	V
2	1.4	16QAM	3	2	1880	11.96	0.0157	V
2	1.4	16QAM	3	1	1909.3	12.53	0.0179	V
2	3	QPSK	1	14	1851.5	10.94	0.0124	H
2	3	QPSK	1	7	1880	10.28	0.0107	H
2	3	QPSK	1	0	1908.5	9.80	0.0095	H
2	3	QPSK	1	14	1851.5	12.20	0.0166	V
2	3	QPSK	1	7	1880	12.42	0.0175	V
2	3	QPSK	1	0	1908.5	12.64	0.0184	V
2	3	16QAM	1	0	1851.5	10.25	0.0106	H
2	3	16QAM	1	0	1880	9.55	0.0090	H
2	3	16QAM	1	14	1908.5	9.64	0.0092	H
2	3	16QAM	1	0	1851.5	11.48	0.0141	V
2	3	16QAM	1	0	1880	11.61	0.0145	V
2	3	16QAM	1	14	1908.5	12.67	0.0185	V

LTE Band 2 Radiated Power EIRP								
LTE Band	Channel BW (MHz)	Modulation	RB Configuration		Freq. (MHz)	EIRP (dBm)	EIRP (W)	H/V
			RB Size	RB Offset				
2	5	QPSK	1	0	1852.5	11.02	0.0126	H
2	5	QPSK	1	0	1880	10.37	0.0109	H
2	5	QPSK	1	24	1907.5	10.37	0.0109	H
2	5	QPSK	1	0	1852.5	12.26	0.0168	V
2	5	QPSK	1	0	1880	12.36	0.0172	V
2	5	QPSK	1	24	1907.5	13.38	0.0218	V
2	5	16QAM	1	12	1852.5	10.14	0.0103	H
2	5	16QAM	1	0	1880	9.54	0.0090	H
2	5	16QAM	1	24	1907.5	9.60	0.0091	H
2	5	16QAM	1	12	1852.5	11.46	0.0140	V
2	5	16QAM	1	0	1880	11.59	0.0144	V
2	5	16QAM	1	24	1907.5	12.59	0.0182	V
2	10	QPSK	1	0	1855	11.06	0.0128	H
2	10	QPSK	1	0	1880	10.24	0.0106	H
2	10	QPSK	1	49	1905	10.38	0.0109	H
2	10	QPSK	1	0	1855	12.25	0.0168	V
2	10	QPSK	1	0	1880	12.13	0.0163	V
2	10	QPSK	1	49	1905	13.24	0.0211	V
2	10	16QAM	1	0	1855	10.20	0.0105	H
2	10	16QAM	1	0	1880	9.37	0.0086	H
2	10	16QAM	1	49	1905	9.50	0.0089	H
2	10	16QAM	1	0	1855	11.47	0.0140	V
2	10	16QAM	1	0	1880	11.34	0.0136	V
2	10	16QAM	1	49	1905	12.58	0.0181	V

LTE Band 2 Radiated Power EIRP								
LTE Band	Channel BW (MHz)	Modulation	RB Configuration		Freq. (MHz)	EIRP (dBm)	EIRP (W)	H/V
			RB Size	RB Offset				
2	15	QPSK	1	0	1857.5	10.98	0.0125	H
2	15	QPSK	1	0	1880	9.99	0.0100	H
2	15	QPSK	1	74	1902.5	10.28	0.0107	H
2	15	QPSK	1	0	1857.5	12.15	0.0164	V
2	15	QPSK	1	0	1880	11.87	0.0154	V
2	15	QPSK	1	74	1902.5	13.08	0.0203	V
2	15	16QAM	1	37	1857.5	9.73	0.0094	H
2	15	16QAM	1	37	1880	9.57	0.0091	H
2	15	16QAM	1	74	1902.5	9.45	0.0088	H
2	15	16QAM	1	37	1857.5	11.17	0.0131	V
2	15	16QAM	1	37	1880	11.68	0.0147	V
2	15	16QAM	1	74	1902.5	12.40	0.0174	V
2	20	QPSK	1	0	1860	10.95	0.0124	H
2	20	QPSK	1	0	1880	10.04	0.0101	H
2	20	QPSK	1	99	1900	10.21	0.0105	H
2	20	QPSK	1	0	1860	12.22	0.0167	V
2	20	QPSK	1	0	1880	11.96	0.0157	V
2	20	QPSK	1	99	1900	13.06	0.0202	V
2	20	16QAM	1	99	1860	9.15	0.0082	H
2	20	16QAM	1	49	1880	9.68	0.0093	H
2	20	16QAM	1	0	1900	10.11	0.0103	H
2	20	16QAM	1	99	1860	10.92	0.0124	V
2	20	16QAM	1	49	1880	11.66	0.0147	V
2	20	16QAM	1	0	1900	12.91	0.0195	V

LTE Band 4 Radiated Power EIRP								
LTE Band	Channel BW (MHz)	Modulation	RB Configuration		Freq. (MHz)	EIRP (dBm)	EIRP (W)	H/V
			RB Size	RB Offset				
4	1.4	QPSK	1	0	1710.7	11.81	0.0152	H
4	1.4	QPSK	1	2	1732.5	10.33	0.0108	H
4	1.4	QPSK	1	0	1754.3	11.18	0.0131	H
4	1.4	QPSK	1	0	1710.7	13.49	0.0223	V
4	1.4	QPSK	1	2	1732.5	11.46	0.0140	V
4	1.4	QPSK	1	0	1754.3	12.41	0.0174	V
4	1.4	16QAM	1	2	1710.7	8.67	0.0074	H
4	1.4	16QAM	3	0	1732.5	8.27	0.0067	H
4	1.4	16QAM	3	1	1754.3	8.67	0.0074	H
4	1.4	16QAM	1	2	1710.7	10.88	0.0122	V
4	1.4	16QAM	3	0	1732.5	10.68	0.0117	V
4	1.4	16QAM	3	1	1754.3	11.08	0.0128	V
4	3	QPSK	1	0	1711.5	9.70	0.0093	H
4	3	QPSK	1	7	1732.5	10.09	0.0102	H
4	3	QPSK	1	0	1753.5	9.84	0.0096	H
4	3	QPSK	1	0	1711.5	10.65	0.0116	V
4	3	QPSK	1	7	1732.5	11.76	0.0150	V
4	3	QPSK	1	0	1753.5	11.14	0.0130	V
4	3	16QAM	1	7	1711.5	8.47	0.0070	H
4	3	16QAM	1	14	1732.5	7.69	0.0059	H
4	3	16QAM	1	0	1753.5	8.85	0.0077	H
4	3	16QAM	1	7	1711.5	9.79	0.0095	V
4	3	16QAM	1	14	1732.5	8.07	0.0064	V
4	3	16QAM	1	0	1753.5	10.09	0.0102	V

LTE Band 4 Radiated Power EIRP								
LTE Band	Channel BW (MHz)	Modulation	RB Configuration		Freq. (MHz)	EIRP (dBm)	EIRP (W)	H/V
			RB Size	RB Offset				
4	5	QPSK	1	0	1712.5	11.91	0.0155	H
4	5	QPSK	1	0	1732.5	10.41	0.0110	H
4	5	QPSK	1	0	1752.5	11.69	0.0148	H
4	5	QPSK	1	0	1712.5	13.37	0.0217	V
4	5	QPSK	1	0	1732.5	11.45	0.0140	V
4	5	QPSK	1	0	1752.5	12.74	0.0188	V
4	5	16QAM	1	0	1712.5	8.33	0.0068	H
4	5	16QAM	1	0	1732.5	7.38	0.0055	H
4	5	16QAM	1	12	1752.5	8.83	0.0076	H
4	5	16QAM	1	0	1712.5	9.84	0.0096	V
4	5	16QAM	1	0	1732.5	8.00	0.0063	V
4	5	16QAM	1	12	1752.5	9.53	0.0090	V
4	10	QPSK	1	0	1715	11.91	0.0155	H
4	10	QPSK	1	49	1732.5	11.03	0.0127	H
4	10	QPSK	1	0	1750	11.65	0.0146	H
4	10	QPSK	1	0	1715	13.45	0.0221	V
4	10	QPSK	1	49	1732.5	12.17	0.0165	V
4	10	QPSK	1	0	1750	12.73	0.0187	V
4	10	16QAM	1	0	1715	8.34	0.0068	H
4	10	16QAM	1	0	1732.5	7.09	0.0051	H
4	10	16QAM	1	24	1750	8.75	0.0075	H
4	10	16QAM	1	0	1715	10.01	0.0100	V
4	10	16QAM	1	0	1732.5	8.67	0.0074	V
4	10	16QAM	1	24	1750	10.22	0.0105	V

LTE Band 4 Radiated Power EIRP								
LTE Band	Channel BW (MHz)	Modulation	RB Configuration		Freq. (MHz)	EIRP (dBm)	EIRP (W)	H/V
			RB Size	RB Offset				
4	15	QPSK	1	0	1717.5	11.88	0.0154	H
4	15	QPSK	1	74	1732.5	10.38	0.0109	H
4	15	QPSK	1	37	1747.5	11.76	0.0150	H
4	15	QPSK	1	0	1717.5	13.49	0.0223	V
4	15	QPSK	1	74	1732.5	11.68	0.0147	V
4	15	QPSK	1	37	1747.5	12.65	0.0184	V
4	15	16QAM	1	37	1717.5	7.87	0.0061	H
4	15	16QAM	1	0	1732.5	10.20	0.0105	H
4	15	16QAM	1	37	1747.5	8.56	0.0072	H
4	15	16QAM	1	37	1717.5	9.33	0.0086	V
4	15	16QAM	1	0	1732.5	10.14	0.0103	V
4	15	16QAM	1	37	1747.5	10.07	0.0102	V
4	20	QPSK	1	0	1720	11.89	0.0155	H
4	20	QPSK	1	99	1732.5	11.17	0.0131	H
4	20	QPSK	1	49	1745	11.80	0.0151	H
4	20	QPSK	1	0	1720	13.24	0.0211	V
4	20	QPSK	1	99	1732.5	12.34	0.0171	V
4	20	QPSK	1	49	1745	12.75	0.0188	V
4	20	16QAM	1	0	1720	8.39	0.0069	H
4	20	16QAM	1	99	1732.5	11.34	0.0136	H
4	20	16QAM	1	49	1745	8.30	0.0068	H
4	20	16QAM	1	0	1720	10.16	0.0104	V
4	20	16QAM	1	99	1732.5	10.45	0.0111	V
4	20	16QAM	1	49	1745	10.06	0.0101	V

LTE Band 5 Radiated Power ERP								
LTE Band	Channel BW (MHz)	Modulation	RB Configuration		Freq. (MHz)	ERP (dBm)	ERP (W)	H/V
			RB Size	RB Offset				
5	1.4	QPSK	1	5	824.7	14.63	0.0290	H
5	1.4	QPSK	1	5	836.5	14.73	0.0297	H
5	1.4	QPSK	1	0	848.3	13.80	0.0240	H
5	1.4	QPSK	1	5	824.7	14.74	0.0298	V
5	1.4	QPSK	1	5	836.5	14.53	0.0284	V
5	1.4	QPSK	1	0	848.3	13.82	0.0241	V
5	1.4	16QAM	1	5	824.7	13.95	0.0248	H
5	1.4	16QAM	3	1	836.5	13.91	0.0246	H
5	1.4	16QAM	1	2	848.3	12.90	0.0195	H
5	1.4	16QAM	1	5	824.7	14.04	0.0254	V
5	1.4	16QAM	3	1	836.5	13.67	0.0233	V
5	1.4	16QAM	1	2	848.3	12.93	0.0196	V
5	3	QPSK	1	7	825.5	14.51	0.0282	H
5	3	QPSK	1	14	836.5	14.96	0.0313	H
5	3	QPSK	1	0	847.5	13.87	0.0244	H
5	3	QPSK	1	7	825.5	14.63	0.0290	V
5	3	QPSK	1	14	836.5	14.83	0.0304	V
5	3	QPSK	1	0	847.5	13.84	0.0242	V
5	3	16QAM	8	4	825.5	14.06	0.0255	H
5	3	16QAM	1	0	836.5	13.18	0.0208	H
5	3	16QAM	1	7	847.5	12.84	0.0192	H
5	3	16QAM	8	4	825.5	14.17	0.0261	V
5	3	16QAM	1	0	836.5	12.95	0.0197	V
5	3	16QAM	1	7	847.5	12.81	0.0191	V

LTE Band 5 Radiated Power ERP								
LTE Band	Channel BW (MHz)	Modulation	RB Configuration		Freq. (MHz)	ERP (dBm)	ERP (W)	H/V
			RB Size	RB Offset				
5	5	QPSK	1	12	826.5	14.83	0.0304	H
5	5	QPSK	1	12	836.5	14.31	0.0270	H
5	5	QPSK	1	12	846.5	13.01	0.0200	H
5	5	QPSK	1	12	826.5	14.43	0.0277	V
5	5	QPSK	1	12	836.5	13.93	0.0247	V
5	5	QPSK	1	12	846.5	12.48	0.0177	V
5	5	16QAM	1	12	826.5	14.44	0.0278	H
5	5	16QAM	1	24	836.5	14.39	0.0275	H
5	5	16QAM	1	24	846.5	12.65	0.0184	H
5	5	16QAM	1	12	826.5	14.49	0.0281	V
5	5	16QAM	1	24	836.5	14.13	0.0259	V
5	5	16QAM	1	24	846.5	12.61	0.0182	V
5	10	QPSK	1	24	829	14.82	0.0303	H
5	10	QPSK	1	24	836.5	14.46	0.0279	H
5	10	QPSK	1	0	844	14.24	0.0265	H
5	10	QPSK	1	24	829	14.84	0.0305	V
5	10	QPSK	1	24	836.5	14.33	0.0271	V
5	10	QPSK	1	0	844	13.93	0.0247	V
5	10	16QAM	1	24	829	14.08	0.0256	H
5	10	16QAM	1	49	836.5	13.65	0.0232	H
5	10	16QAM	1	24	844	13.75	0.0237	H
5	10	16QAM	1	24	829	13.97	0.0249	V
5	10	16QAM	1	49	836.5	13.49	0.0223	V
5	10	16QAM	1	24	844	13.71	0.0235	V

LTE Band 7 Radiated Power EIRP								
LTE Band	Channel BW (MHz)	Modulation	RB Configuration		Freq. (MHz)	EIRP (dBm)	EIRP (W)	H/V
			RB Size	RB Offset				
7	5	QPSK	1	12	2506.5	10.62	0.0115	H
7	5	QPSK	1	12	2534.5	10.76	0.0119	H
7	5	QPSK	1	0	2567.5	9.25	0.0084	H
7	5	QPSK	1	12	2506.5	12.06	0.0161	V
7	5	QPSK	1	12	2534.5	12.34	0.0171	V
7	5	QPSK	1	0	2567.5	8.53	0.0071	V
7	5	16QAM	1	24	2506.5	10.58	0.0114	H
7	5	16QAM	1	24	2534.5	11.32	0.0136	H
7	5	16QAM	1	12	2567.5	9.22	0.0084	H
7	5	16QAM	1	24	2506.5	11.61	0.0145	V
7	5	16QAM	1	24	2534.5	12.75	0.0188	V
7	5	16QAM	1	12	2567.5	12.02	0.0159	V
7	10	QPSK	1	0	2509	10.53	0.0113	H
7	10	QPSK	1	24	2532	10.55	0.0114	H
7	10	QPSK	1	12	2565	9.18	0.0083	H
7	10	QPSK	1	0	2509	11.67	0.0147	V
7	10	QPSK	1	24	2532	12.91	0.0195	V
7	10	QPSK	1	12	2565	12.38	0.0173	V
7	10	16QAM	1	0	2509	10.94	0.0124	H
7	10	16QAM	1	24	2532	11.32	0.0136	H
7	10	16QAM	1	12	2565	9.09	0.0081	H
7	10	16QAM	1	0	2509	12.27	0.0169	V
7	10	16QAM	1	24	2532	12.75	0.0188	V
7	10	16QAM	1	12	2565	10.67	0.0117	V

LTE Band 7 Radiated Power EIRP								
LTE Band	Channel BW (MHz)	Modulation	RB Configuration		Freq. (MHz)	EIRP (dBm)	EIRP (W)	H/V
			RB Size	RB Offset				
7	15	QPSK	1	37	2511.5	11.02	0.0126	H
7	15	QPSK	1	74	2529.5	10.22	0.0105	H
7	15	QPSK	1	0	2562.5	8.59	0.0072	H
7	15	QPSK	1	37	2511.5	12.45	0.0176	V
7	15	QPSK	1	74	2529.5	12.54	0.0179	V
7	15	QPSK	1	0	2562.5	11.67	0.0147	V
7	15	16QAM	1	0	2511.5	10.51	0.0112	H
7	15	16QAM	1	74	2529.5	10.16	0.0104	H
7	15	16QAM	1	74	2562.5	8.87	0.0077	H
7	15	16QAM	1	0	2511.5	11.99	0.0158	V
7	15	16QAM	1	74	2529.5	12.08	0.0161	V
7	15	16QAM	1	74	2562.5	11.92	0.0156	V
7	20	QPSK	1	99	2514	11.60	0.0145	H
7	20	QPSK	1	99	2527	9.94	0.0099	H
7	20	QPSK	1	99	2514	12.84	0.0192	V
7	20	QPSK	1	99	2527	12.04	0.0160	V
7	20	16QAM	1	99	2514	11.90	0.0155	H
7	20	16QAM	1	0	2527	11.89	0.0155	H
7	20	16QAM	1	99	2514	12.80	0.0191	V
7	20	16QAM	1	0	2527	12.76	0.0189	V

LTE Band 17 Radiated Power ERP								
LTE Band	Channel BW (MHz)	Modulation	RB Configuration		Freq. (MHz)	ERP (dBm)	ERP (W)	H/V
			RB Size	RB Offset				
17	5	QPSK	1	0	706.5	9.40	0.0087	H
17	5	QPSK	1	12	710	10.14	0.0103	H
17	5	QPSK	1	12	713.5	9.27	0.0085	H
17	5	QPSK	1	0	706.5	10.26	0.0106	V
17	5	QPSK	1	12	710	10.27	0.0106	V
17	5	QPSK	1	12	713.5	10.69	0.0117	V
17	5	16QAM	1	12	706.5	8.20	0.0066	H
17	5	16QAM	1	12	710	8.58	0.0072	H
17	5	16QAM	1	24	713.5	7.84	0.0061	H
17	5	16QAM	1	12	706.5	9.47	0.0089	V
17	5	16QAM	1	12	710	9.93	0.0098	V
17	5	16QAM	1	24	713.5	9.36	0.0086	V
17	10	QPSK	1	24	709	9.21	0.0083	H
17	10	QPSK	1	24	710	9.59	0.0091	H
17	10	QPSK	1	24	711	9.62	0.0092	H
17	10	QPSK	1	24	709	10.53	0.0113	V
17	10	QPSK	1	24	710	10.91	0.0123	V
17	10	QPSK	1	24	711	10.94	0.0124	V
17	10	16QAM	1	49	709	8.57	0.0072	H
17	10	16QAM	1	0	710	8.28	0.0067	H
17	10	16QAM	1	49	711	7.80	0.0060	H
17	10	16QAM	1	49	709	9.85	0.0097	V
17	10	16QAM	1	0	710	9.09	0.0081	V
17	10	16QAM	1	49	711	9.13	0.0082	V

3.2 Radiated Spurious Emission Measurement

3.2.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI / TIA / EIA-603-C-2004.

For Band 2, 4, 5, 17

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 Band 7

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of mobile digital stations, the attenuation factor shall be not less than 55 + 10 log (P) dB at 5.5 MHz from the channel edges.

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

3.2.2 Measuring Instruments

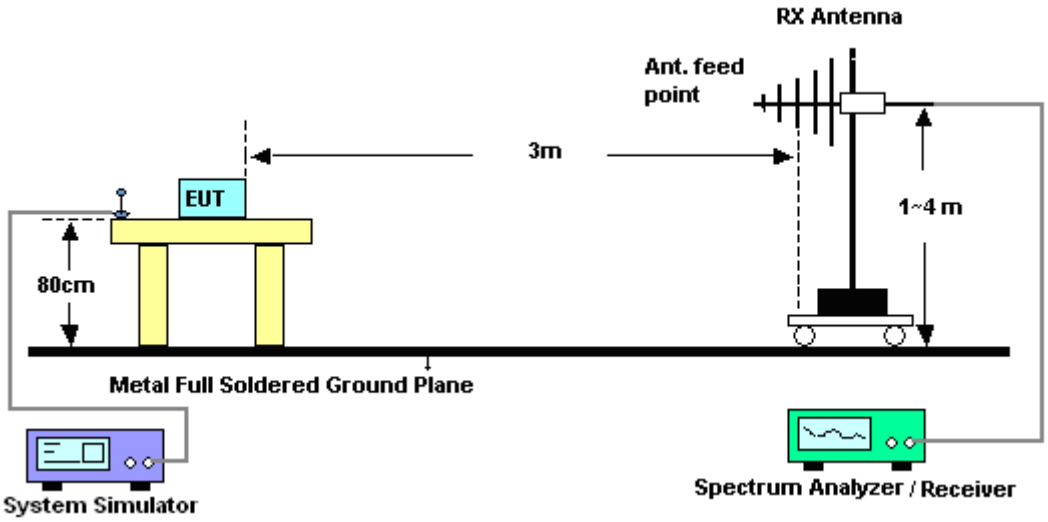
The measuring equipment is listed in the section 4 of this test report.

3.2.3 Test Procedures

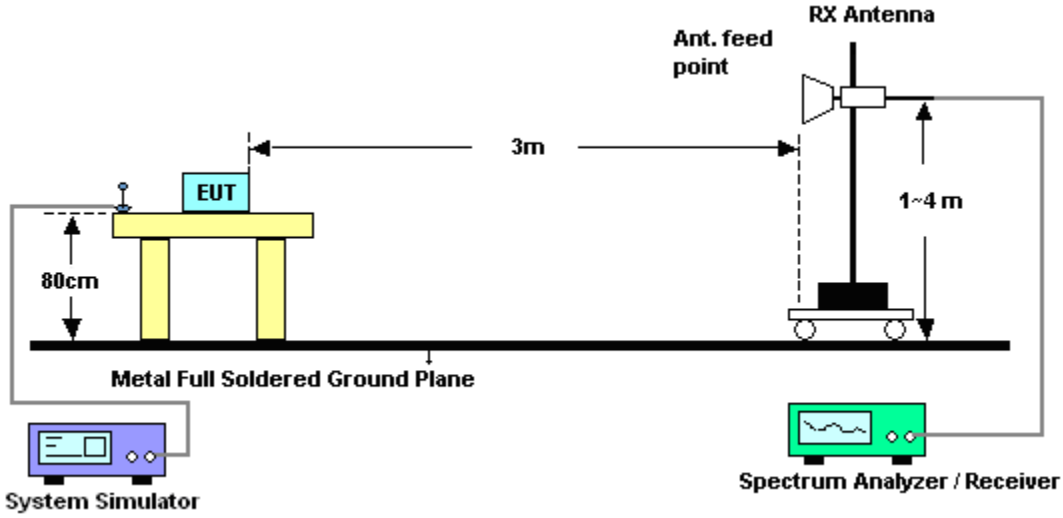
1. The EUT was placed on a rotatable wooden table with 0.8 meter above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving 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. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
11. EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
12. ERP (dBm) = EIRP - 2.15

3.2.4 Test Setup

For radiated emissions from 30MHz to 1GHz

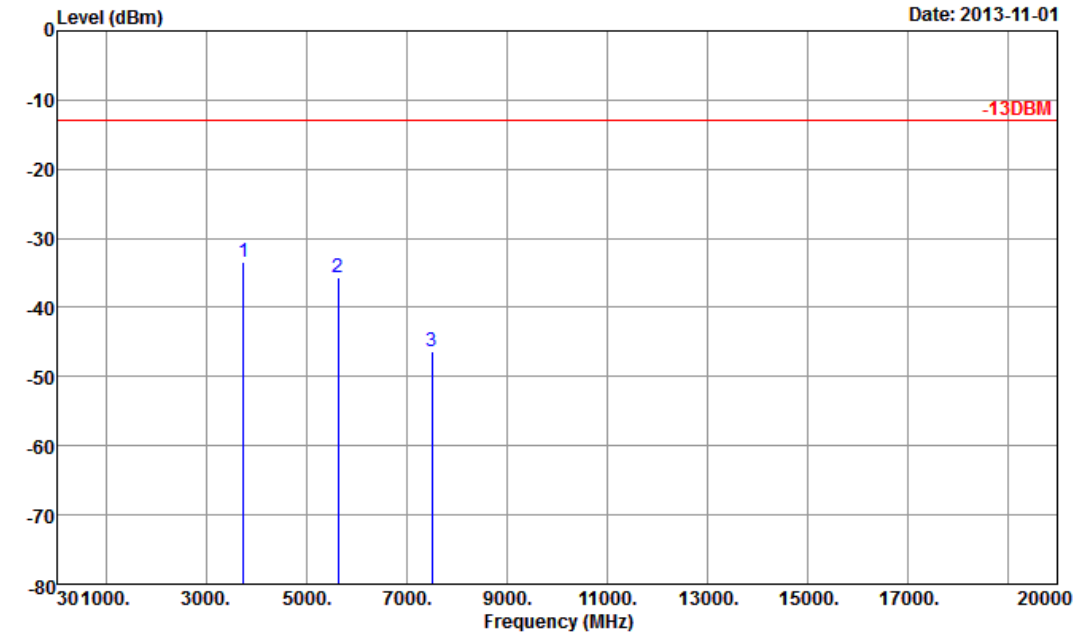


For radiated emissions above 1GHz



3.2.5 Test Result of Field Strength of Spurious Radiated

Band :	LTE Band 2	**Temperature :**	23~25°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	**Relative Humidity :**	48~52%
Test Engineer :	Gavin Zhang	**Polarization :**	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

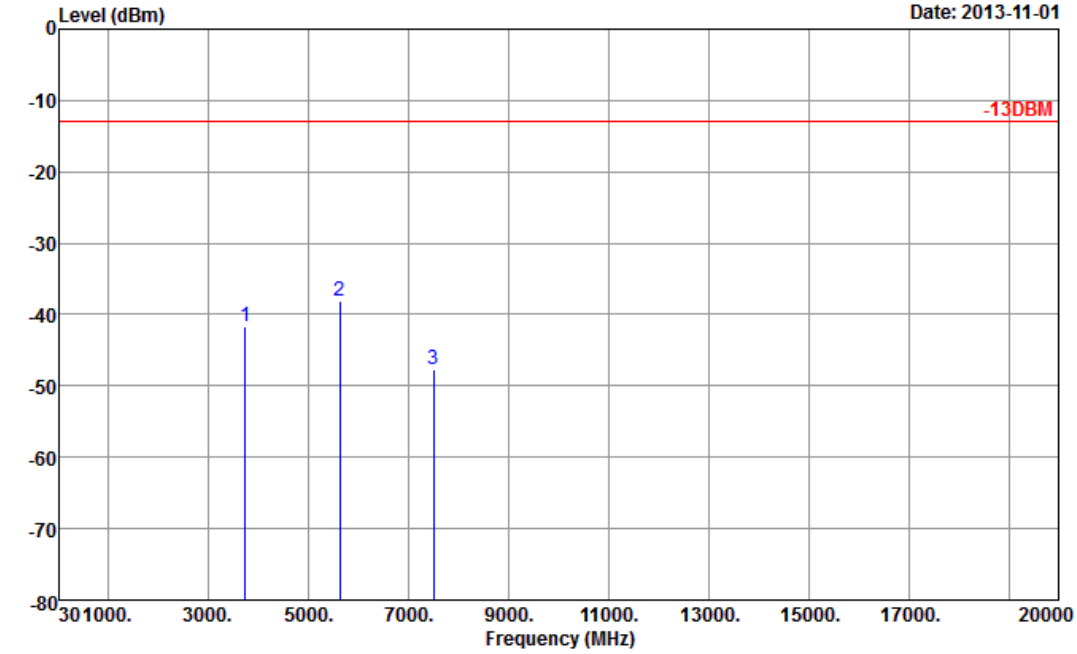


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_H_130101 HORIZONTAL

Plane : Y

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-33.44	-13	-20.44	-50.50	-40.18	1.28	8.02	H	Pass
5640	-35.74	-13	-22.74	-56.68	-44.16	1.58	10.00	H	Pass
7520	-46.29	-13	-33.29	-68.23	-56.61	1.78	12.10	H	Pass

Band :	LTE Band 2	**Temperature :**	23~25°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	**Relative Humidity :**	48~52%
Test Engineer :	Gavin Zhang	**Polarization :**	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

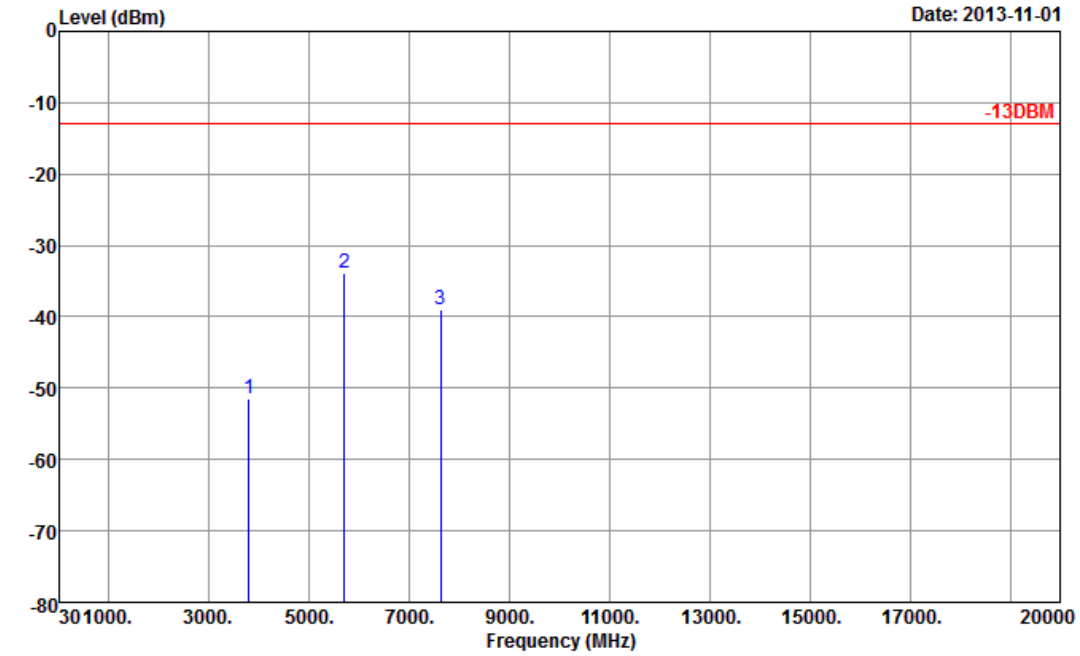


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_V_130101 VERTICAL

Plane : Y

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-41.71	-13	-28.71	-58.37	-48.45	1.28	8.02	V	Pass
5640	-38.13	-13	-25.13	-57.8	-46.55	1.58	10	V	Pass
7520	-47.58	-13	-34.58	-69.83	-57.90	1.78	12.1	V	Pass

Band :	LTE Band 2	Temperature :	23~25°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

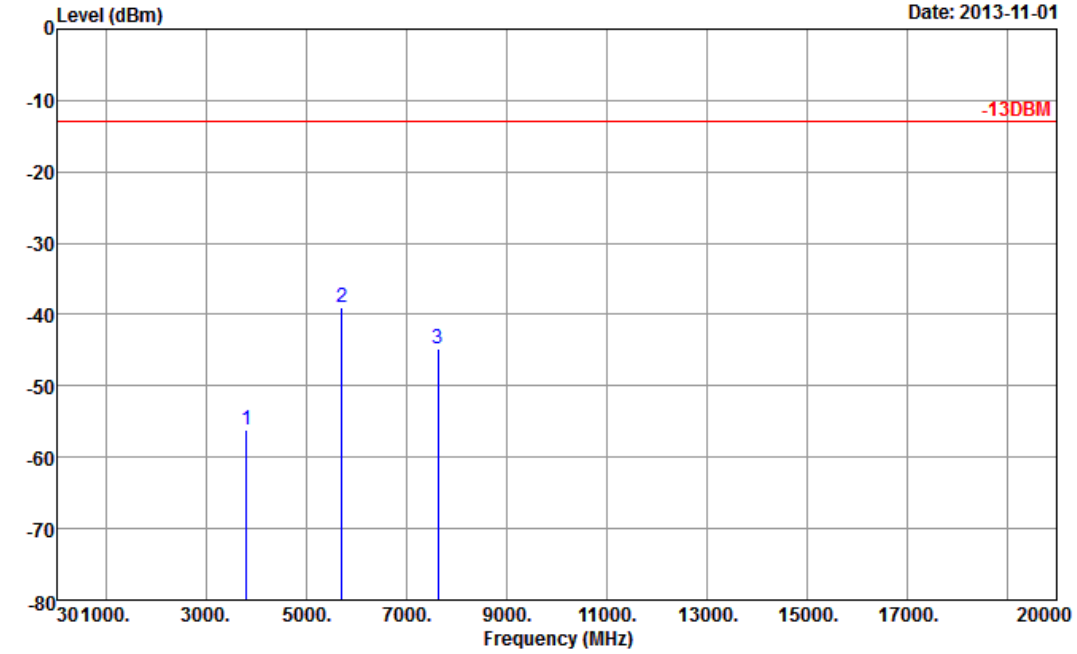


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_H_130101 HORIZONTAL

Plane : Y

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3817	-51.40	-13	-38.40	-63.93	-58.10	1.3	8.00	H	Pass
5725.5	-33.82	-13	-20.82	-54.98	-42.43	1.6	10.21	H	Pass
7634	-38.89	-13	-25.89	-62.76	-49.09	1.8	12.00	H	Pass

Band :	LTE Band 2	Temperature :	23~25°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

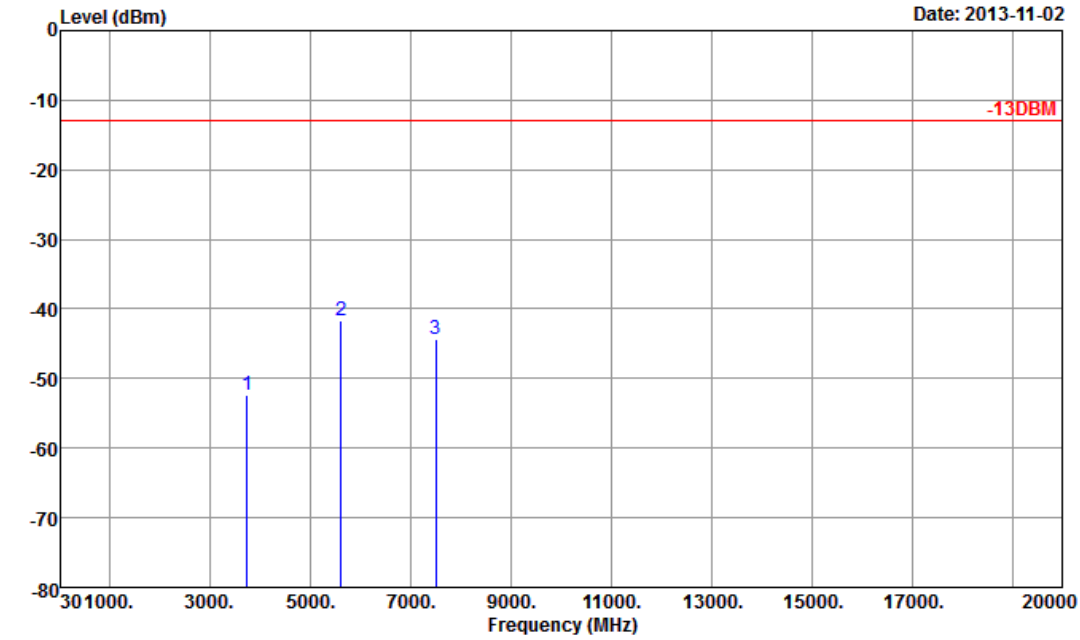


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_V_130101 VERTICAL

Plane : Y

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3817	-56.06	-13	-43.06	-71.09	-62.76	1.3	8	V	Pass
5725.5	-38.97	-13	-25.97	-58.47	-47.58	1.6	10.21	V	Pass
7634	-44.75	-13	-31.75	-67	-54.95	1.8	12	V	Pass

Band :	LTE Band 2	**Temperature :**	23~25°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	**Relative Humidity :**	48~52%
Test Engineer :	Gavin Zhang	**Polarization :**	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

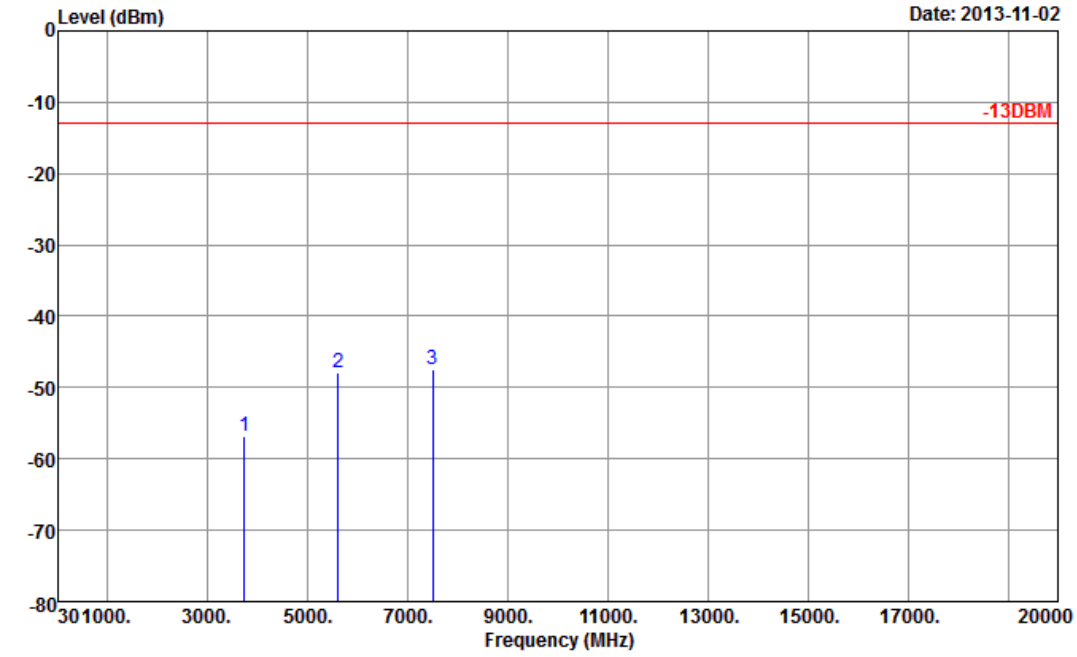


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_H_130101 HORIZONTAL

Plane : Y

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3756	-52.33	-13	-39.33	-64.48	-59.07	1.28	8.02	H	Pass
5632	-41.78	-13	-28.78	-61.08	-50.20	1.58	10.00	H	Pass
7511	-44.32	-13	-31.32	-66.26	-54.64	1.78	12.10	H	Pass

Band :	LTE Band 2	**Temperature :**	23~25°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	**Relative Humidity :**	48~52%
Test Engineer :	Gavin Zhang	**Polarization :**	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

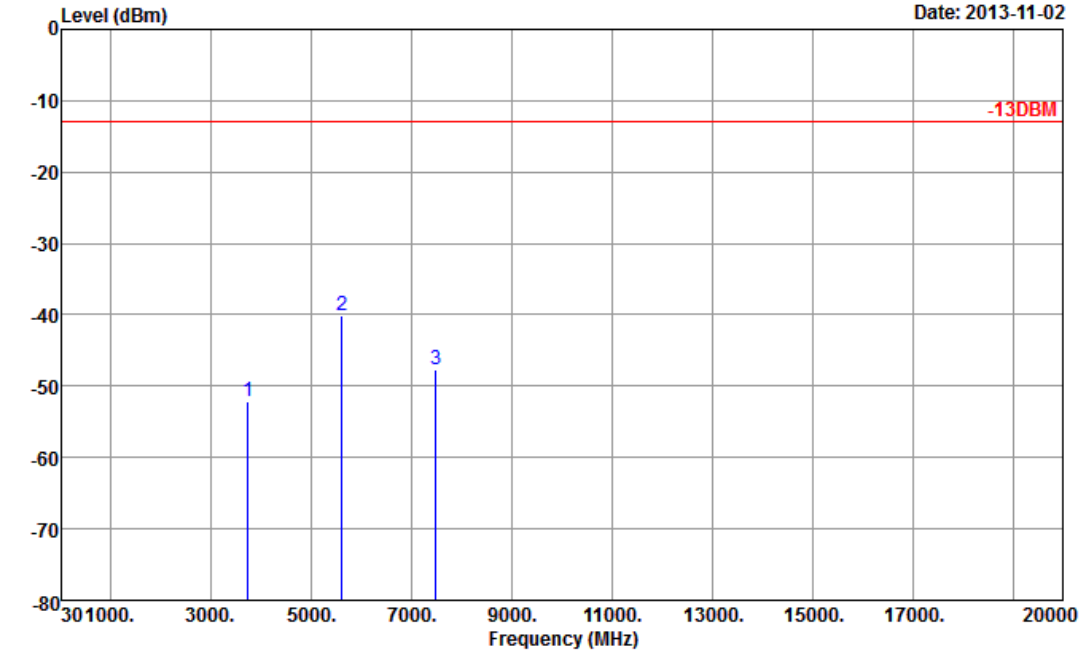


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_V_130101 VERTICAL

Plane : Y

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3756	-56.72	-13	-43.72	-71.75	-63.46	1.28	8.02	V	Pass
5632	-47.89	-13	-34.89	-64.97	-56.31	1.58	10	V	Pass
7511	-47.53	-13	-34.53	-69.78	-57.85	1.78	12.1	V	Pass

Band :	LTE Band 2	Temperature :	23~25°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

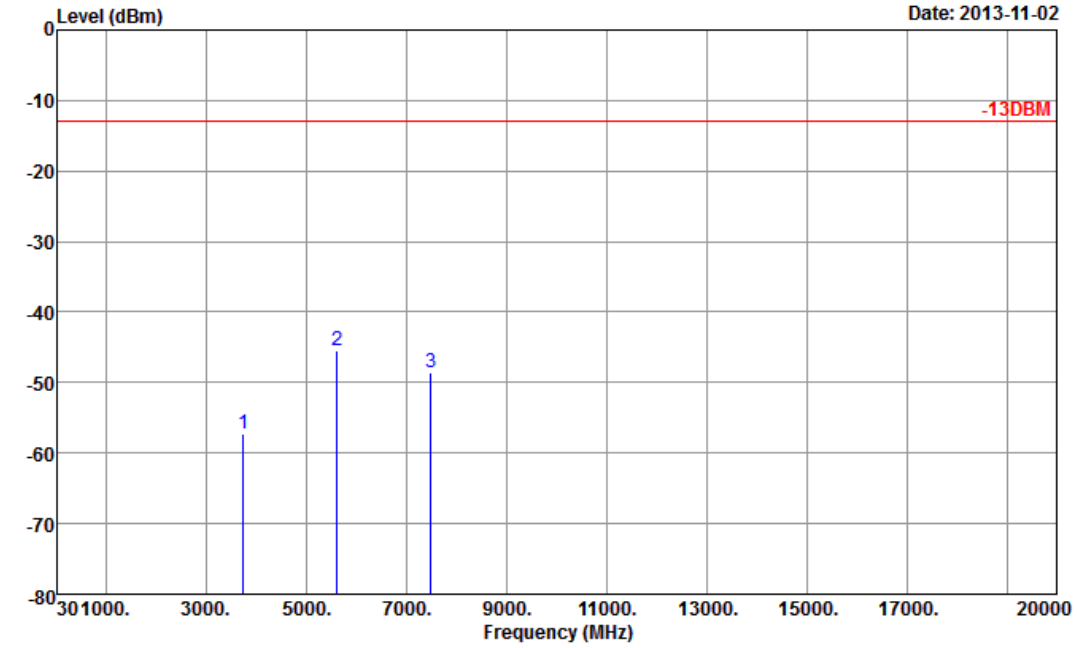


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_H_130101 HORIZONTAL

Plane : Y

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3752	-52.09	-13	-39.09	-64.24	-58.83	1.28	8.02	H	Pass
5628	-40.17	-13	-27.17	-59.95	-48.59	1.58	10.00	H	Pass
7504	-47.61	-13	-34.61	-69.55	-57.93	1.78	12.10	H	Pass

Band :	LTE Band 2	Temperature :	23~25°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

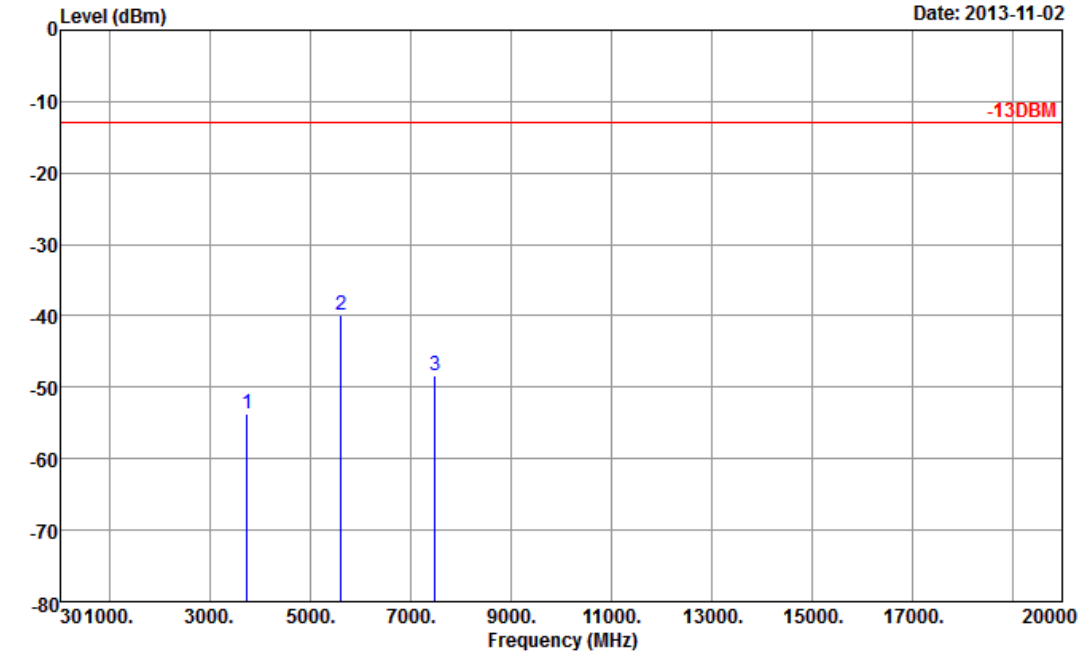


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_V_130101 VERTICAL

Plane : Y

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3752	-57.23	-13	-44.23	-72.26	-63.97	1.28	8.02	V	Pass
5628	-45.45	-13	-32.45	-63.03	-53.87	1.58	10	V	Pass
7504	-48.47	-13	-35.47	-70.72	-58.79	1.78	12.1	V	Pass

Band :	LTE Band 2	Temperature :	23~25°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

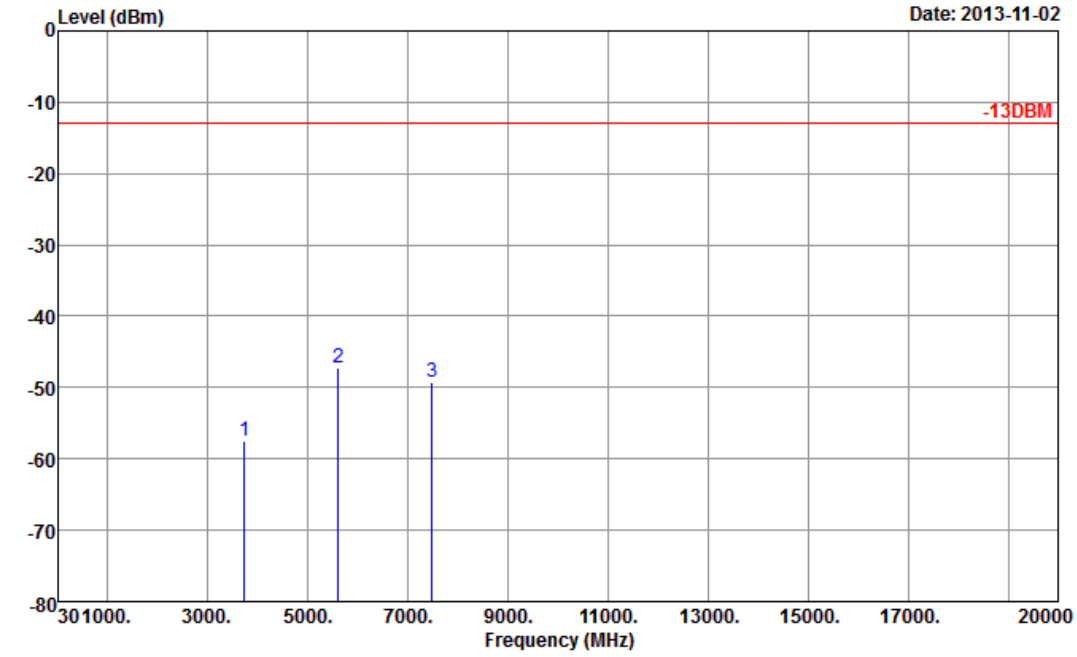


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_H_130101 HORIZONTAL

Plane : Y

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3748	-53.62	-13	-40.62	-65.77	-60.36	1.28	8.02	H	Pass
5620	-39.99	-13	-26.99	-59.54	-48.41	1.58	10.00	H	Pass
7492	-48.28	-13	-35.28	-70.22	-58.60	1.78	12.10	H	Pass

Band :	LTE Band 2	**Temperature :**	23~25°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	**Relative Humidity :**	48~52%
Test Engineer :	Gavin Zhang	**Polarization :**	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

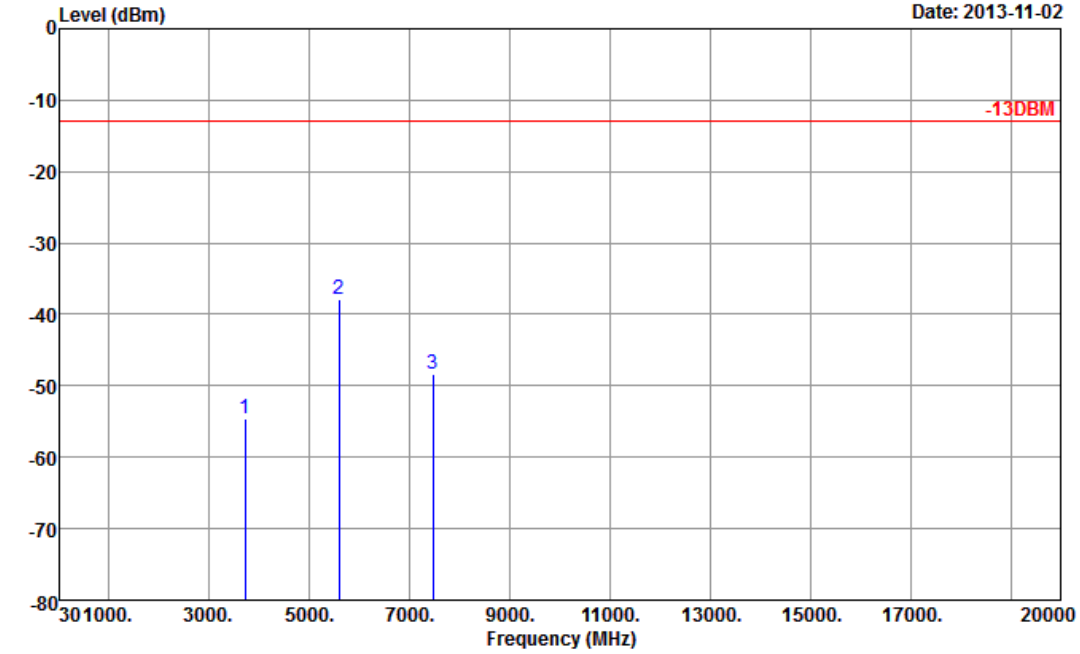


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_V_130101 VERTICAL

Plane : Y

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3748	-57.52	-13	-44.52	-72.55	-64.26	1.28	8.02	V	Pass
5620	-47.16	-13	-34.16	-64.24	-55.58	1.58	10	V	Pass
7492	-49.18	-13	-36.18	-71.43	-59.50	1.78	12.1	V	Pass

Band :	LTE Band 2	Temperature :	23~25°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

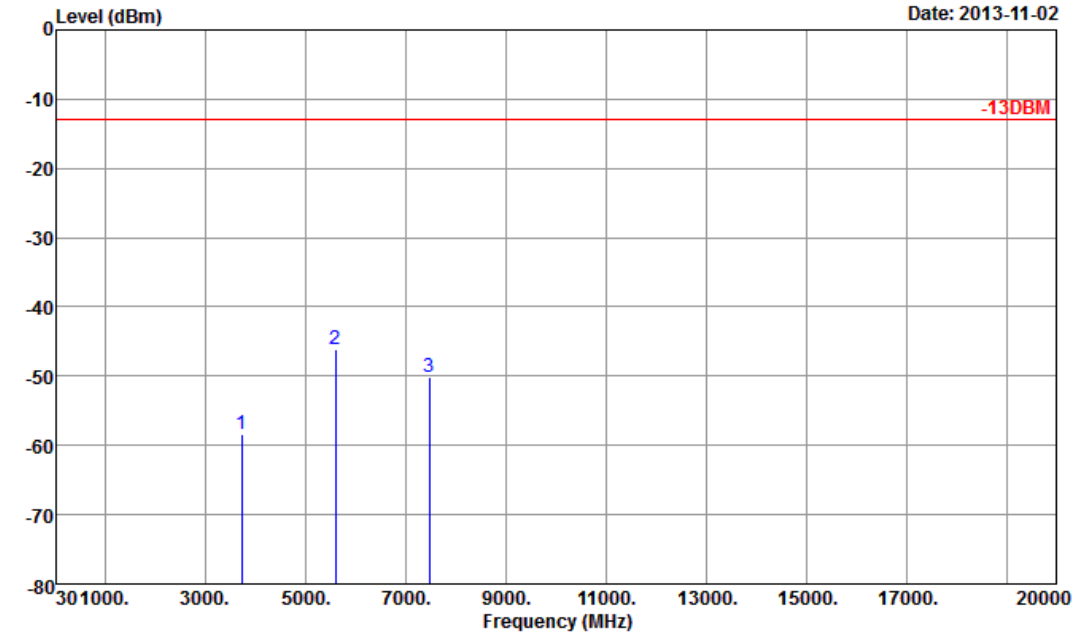


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_H_130101 HORIZONTAL

Plane : Y

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3744	-54.57	-13	-41.57	-66.72	-61.31	1.28	8.02	H	Pass
5612	-37.99	-13	-24.99	-59.21	-46.41	1.58	10.00	H	Pass
7484	-48.36	-13	-35.36	-70.30	-58.68	1.78	12.10	H	Pass

Band :	LTE Band 2	**Temperature :**	23~25°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	**Relative Humidity :**	48~52%
Test Engineer :	Gavin Zhang	**Polarization :**	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

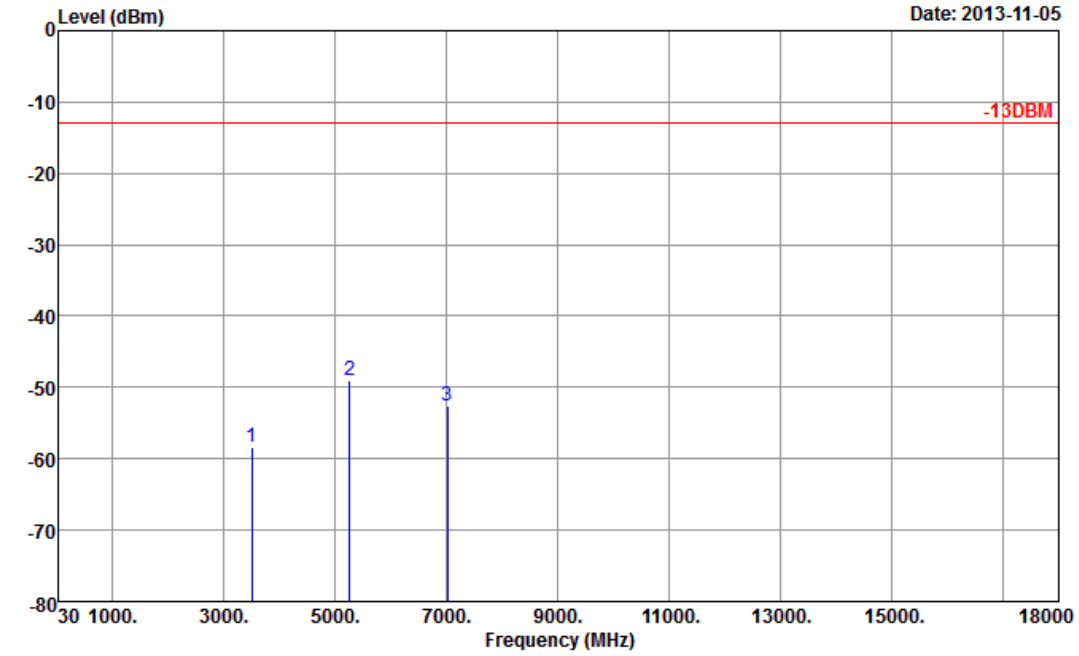


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_V_130101 VERTICAL

Plane : Y

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3744	-58.28	-13	-45.28	-73.31	-65.02	1.28	8.02	V	Pass
5612	-46.17	-13	-33.17	-63.62	-54.59	1.58	10	V	Pass
7484	-50.07	-13	-37.07	-72.32	-60.39	1.78	12.1	V	Pass

Band :	LTE Band 4	Temperature :	23~25°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

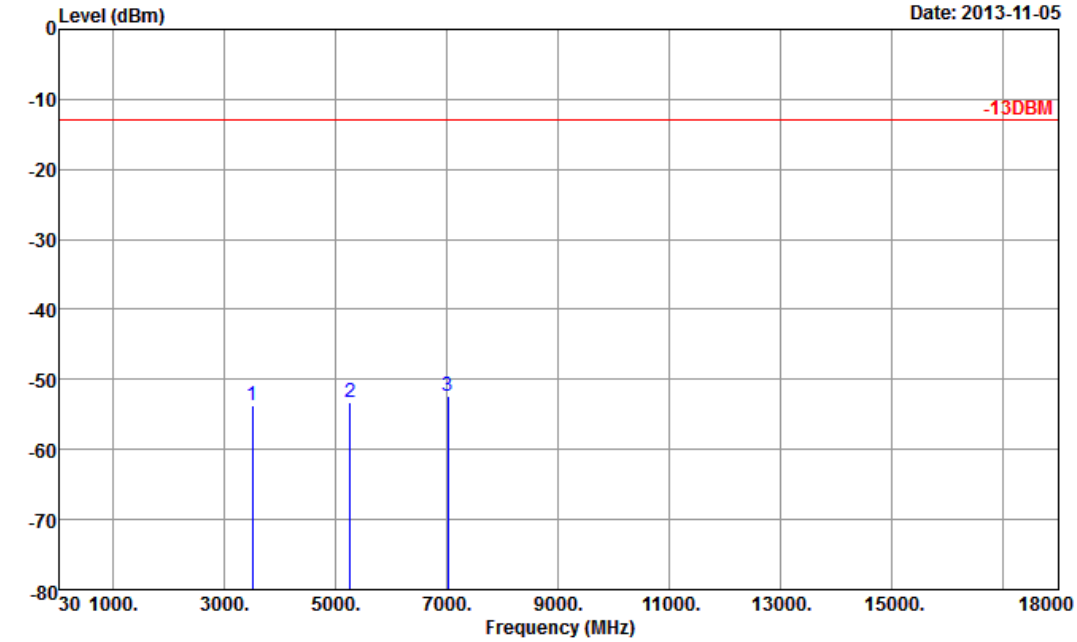


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_H_130101 HORIZONTAL

Plane : X

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3508	-58.32	-13	-45.32	-70.99	-65.32	1.3	8.30	H	Pass
5262	-48.93	-13	-35.93	-66.66	-57.45	1.6	10.12	H	Pass
7016	-52.64	-13	-39.64	-74.38	-63.04	1.7	12.10	H	Pass

Band :	LTE Band 4	Temperature :	23~25°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

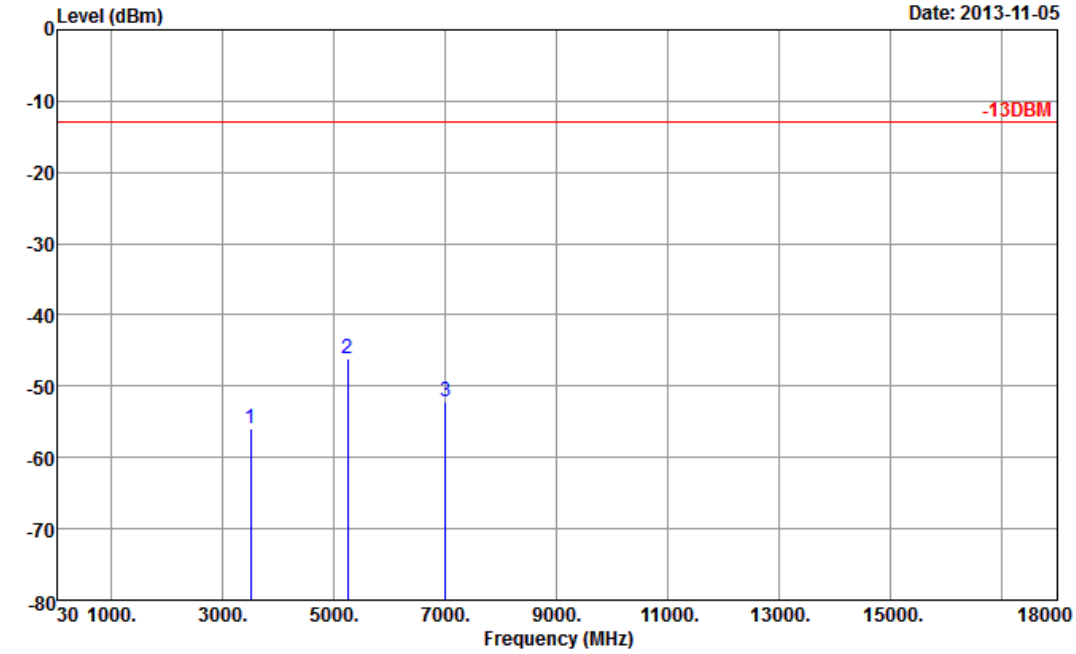


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_V_130101 VERTICAL

Plane : X

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3508	-53.78	-13	-40.78	-69.33	-60.78	1.3	8.3	V	Pass
5262	-53.32	-13	-40.32	-70.14	-61.84	1.6	10.12	V	Pass
7016	-52.44	-13	-39.44	-74.49	-62.84	1.7	12.1	V	Pass

Band :	LTE Band 4	Temperature :	23~25°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

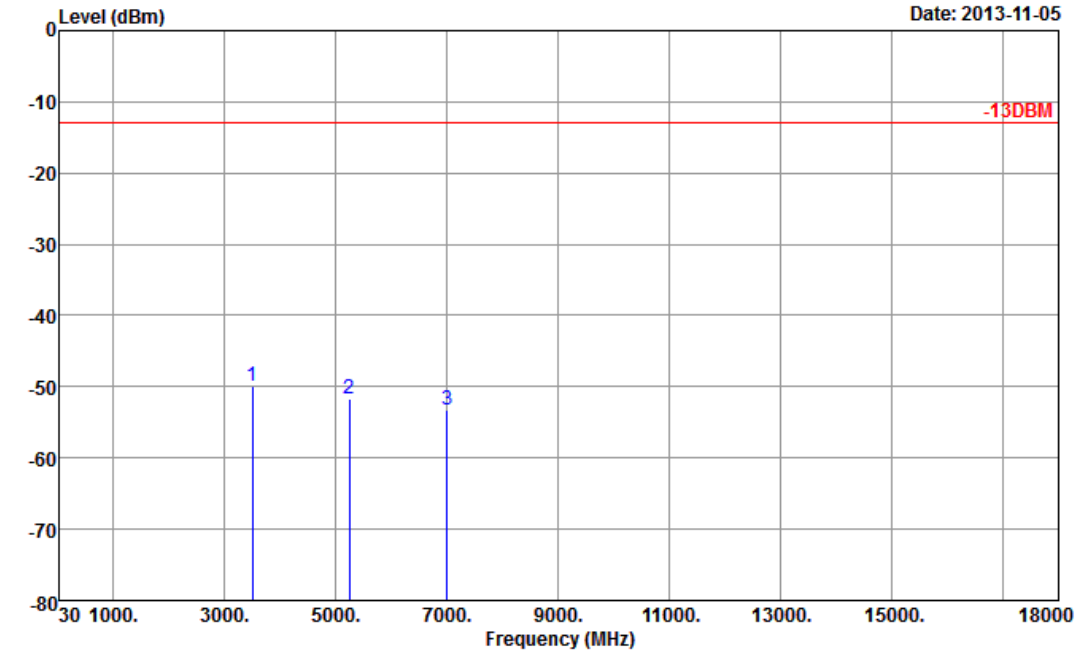


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_H_130101 HORIZONTAL

Plane : X

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3504	-55.85	-13	-42.85	-68.52	-62.85	1.3	8.30	H	Pass
5256	-46.11	-13	-33.11	-63.84	-54.63	1.6	10.12	H	Pass
7008	-52.12	-13	-39.12	-73.86	-62.52	1.7	12.10	H	Pass

Band :	LTE Band 4	**Temperature :**	23~25°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	**Relative Humidity :**	48~52%
Test Engineer :	Gavin Zhang	**Polarization :**	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

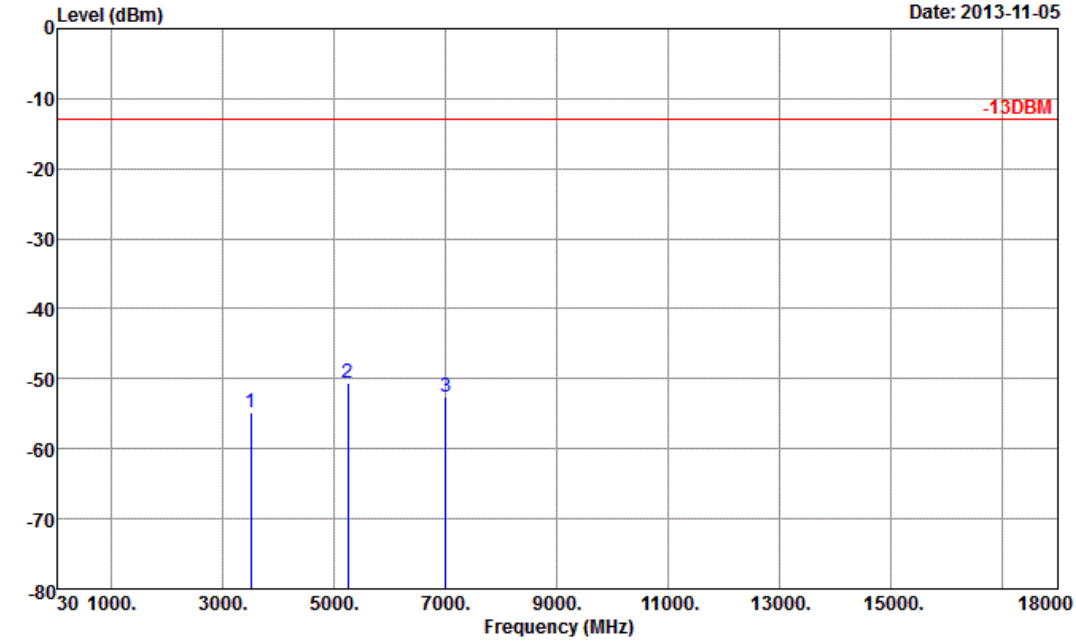


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_V_130101 VERTICAL

Plane : X

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3504	-50.00	-13	-37.00	-65.55	-57.00	1.3	8.3	V	Pass
5256	-51.81	-13	-38.81	-68.63	-60.33	1.6	10.12	V	Pass
7008	-53.23	-13	-40.23	-75.28	-63.63	1.7	12.1	V	Pass

Band :	LTE Band 4	Temperature :	23~25°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

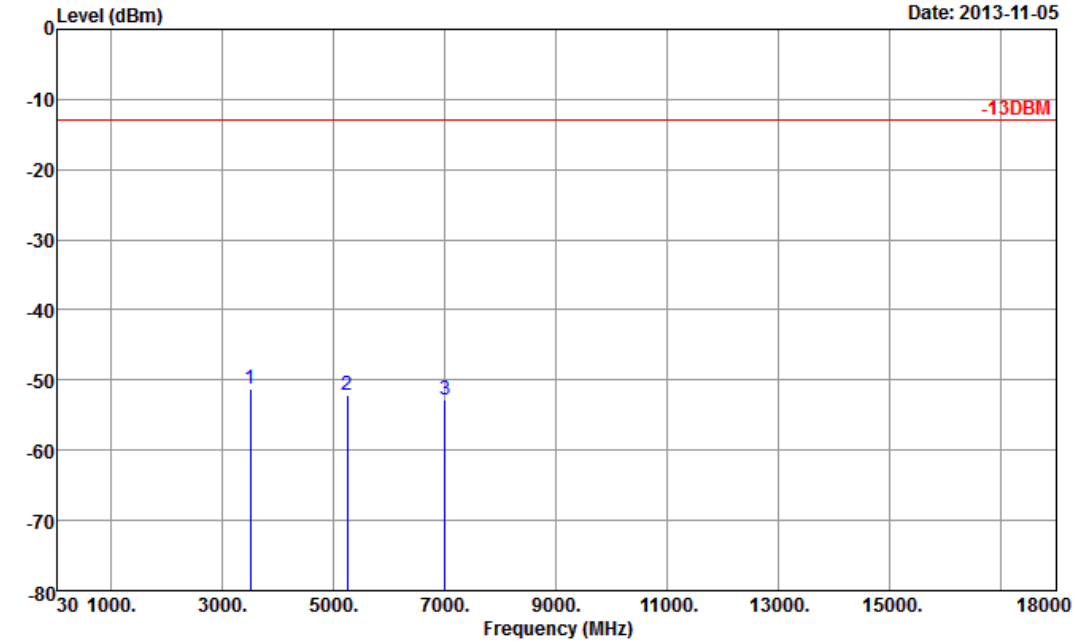


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_H_130101 HORIZONTAL

Plane : X

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3502	-54.73	-13	-41.73	-67.40	-61.73	1.3	8.30	H	Pass
5253	-50.66	-13	-37.66	-68.39	-59.18	1.6	10.12	H	Pass
7004	-52.58	-13	-39.58	-74.32	-62.98	1.7	12.10	H	Pass

Band :	LTE Band 4	Temperature :	23~25°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

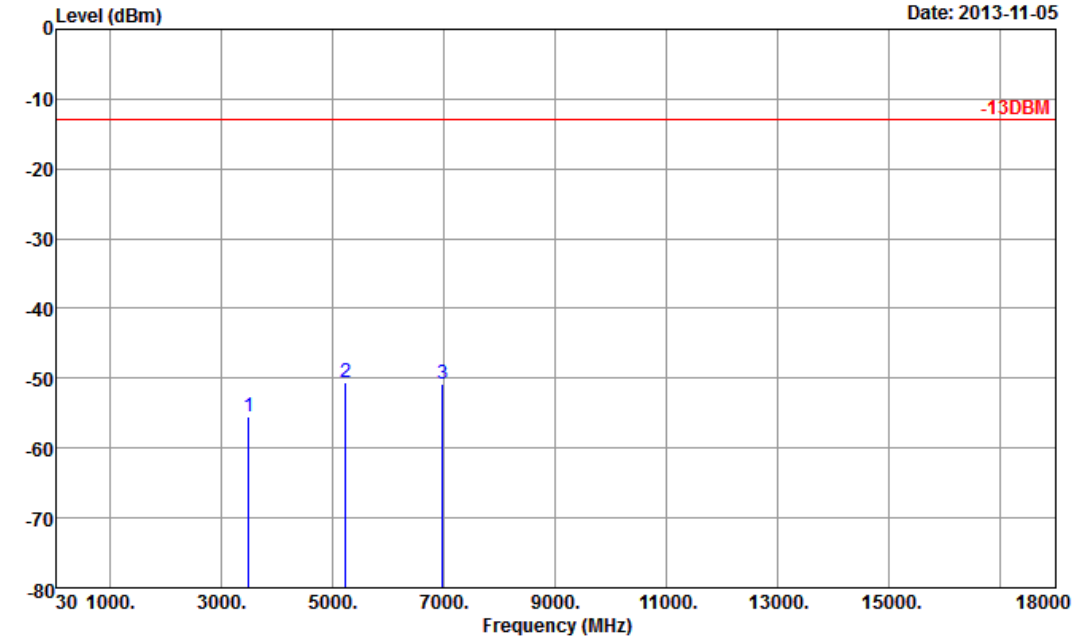


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_V_130101 VERTICAL

Plane : X

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3502	-51.21	-13	-38.21	-66.76	-58.21	1.3	8.3	V	Pass
5253	-52.15	-13	-39.15	-68.97	-60.67	1.6	10.12	V	Pass
7004	-52.80	-13	-39.80	-74.85	-63.20	1.7	12.1	V	Pass

Band :	LTE Band 4	Temperature :	23~25°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

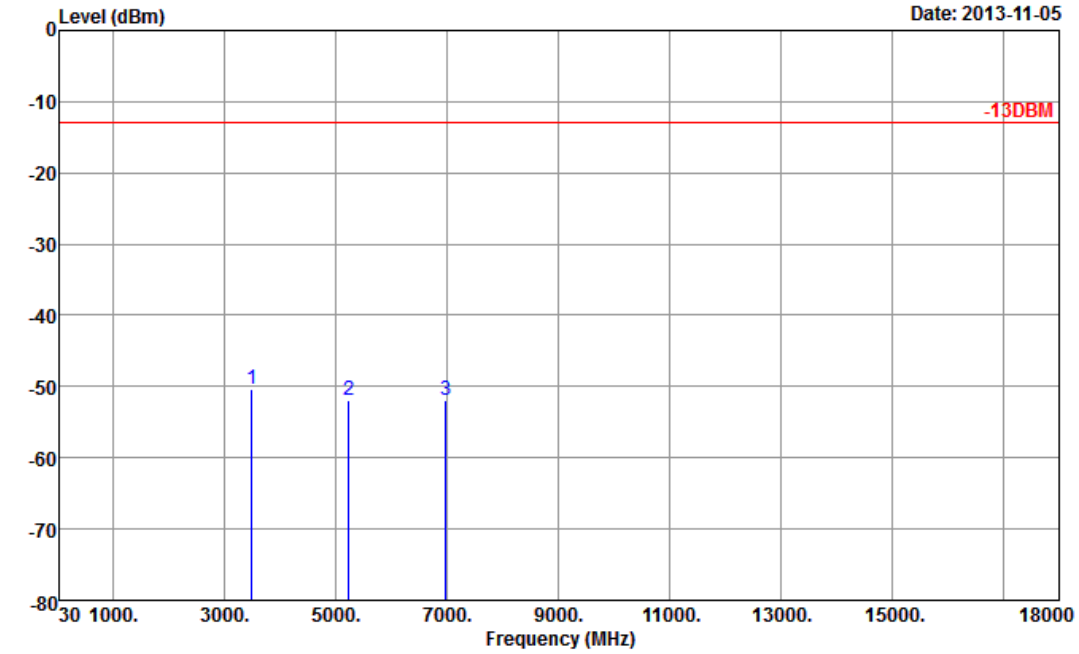


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_H_130101 HORIZONTAL

Plane : X

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3492	-55.54	-13	-42.54	-68.21	-62.54	1.3	8.30	H	Pass
5238	-50.62	-13	-37.62	-68.35	-59.14	1.6	10.12	H	Pass
6984	-50.75	-13	-37.75	-72.49	-61.15	1.7	12.10	H	Pass

Band :	LTE Band 4	Temperature :	23~25°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

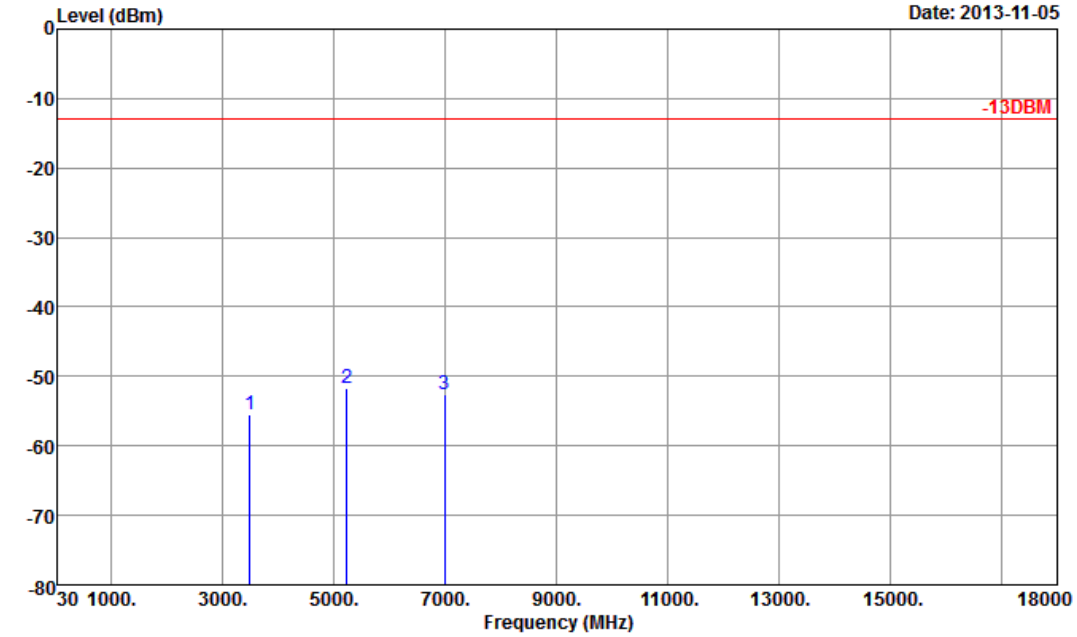


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_V_130101 VERTICAL

Plane : X

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3492	-50.46	-13	-37.46	-66.01	-57.46	1.3	8.3	V	Pass
5238	-51.91	-13	-38.91	-68.73	-60.43	1.6	10.12	V	Pass
6984	-51.98	-13	-38.98	-74.03	-62.38	1.7	12.1	V	Pass

Band :	LTE Band 4	Temperature :	23~25°C
Test Mode :	15MHz QPSK RB Size 1 Offset 37	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

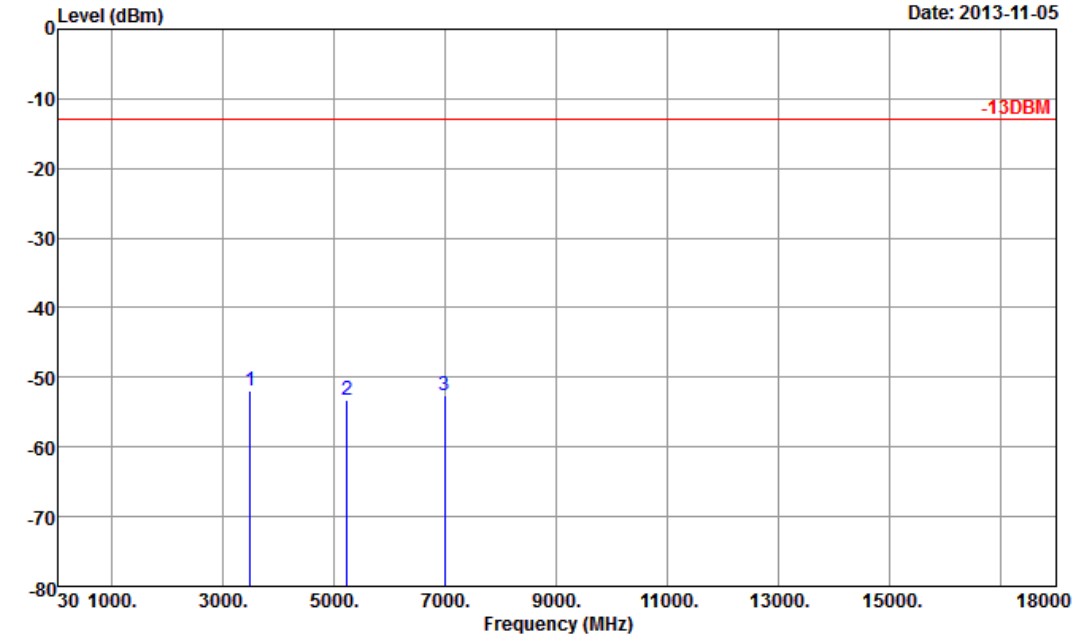


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_H_130101 HORIZONTAL

Plane : X

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3495	-55.54	-13	-42.54	-68.21	-62.54	1.3	8.30	H	Pass
5243	-51.61	-13	-38.61	-69.34	-60.13	1.6	10.12	H	Pass
6990	-52.65	-13	-39.65	-74.39	-63.05	1.7	12.10	H	Pass

Band :	LTE Band 4	Temperature :	23~25°C
Test Mode :	15MHz QPSK RB Size 1 Offset 37	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

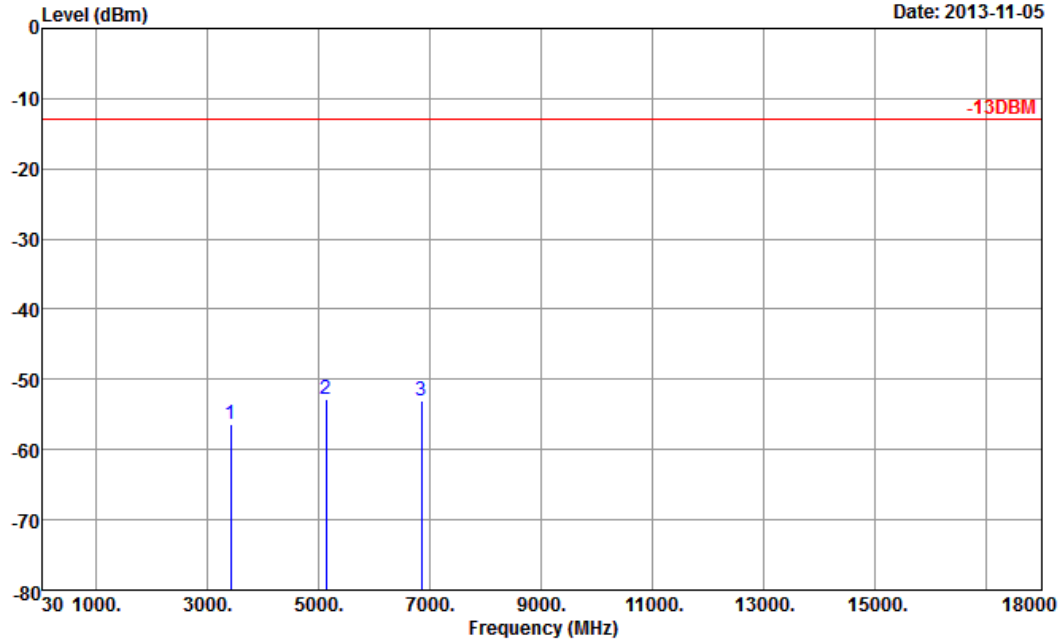


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_V_130101 VERTICAL

Plane : X

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3495	-51.88	-13	-38.88	-67.43	-58.88	1.3	8.3	V	Pass
5243	-53.37	-13	-40.37	-70.19	-61.89	1.6	10.12	V	Pass
6990	-52.67	-13	-39.67	-74.72	-63.07	1.7	12.1	V	Pass

Band :	LTE Band 4	Temperature :	23~25°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

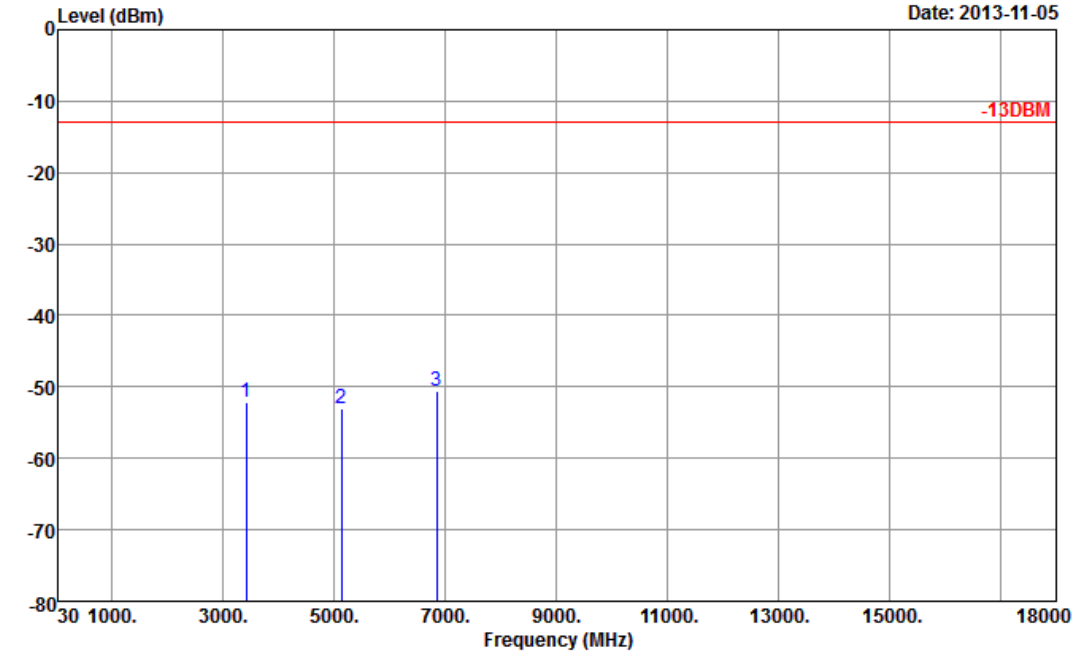


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_H_130101 HORIZONTAL

Plane : X

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3424	-56.45	-13	-43.45	-69.12	-63.45	1.3	8.30	H	Pass
5132	-52.87	-13	-39.87	-70.60	-61.39	1.6	10.12	H	Pass
6848	-52.93	-13	-39.93	-74.67	-63.33	1.7	12.10	H	Pass

Band :	LTE Band 4	Temperature :	23~25°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

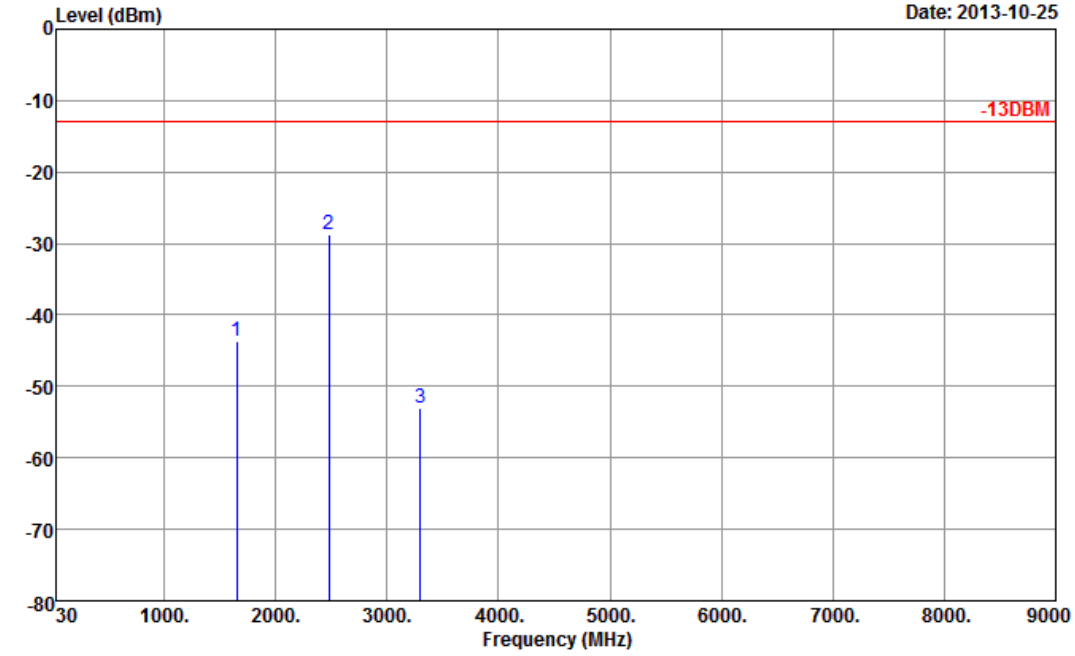


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_V_130101 VERTICAL

Plane : X

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3424	-52.19	-13	-39.19	-67.74	-59.19	1.3	8.3	V	Pass
5132	-53.10	-13	-40.10	-69.92	-61.62	1.6	10.12	V	Pass
6848	-50.58	-13	-37.58	-72.63	-60.98	1.7	12.1	V	Pass

Band :	LTE Band 5	Temperature :	23~25°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 5	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

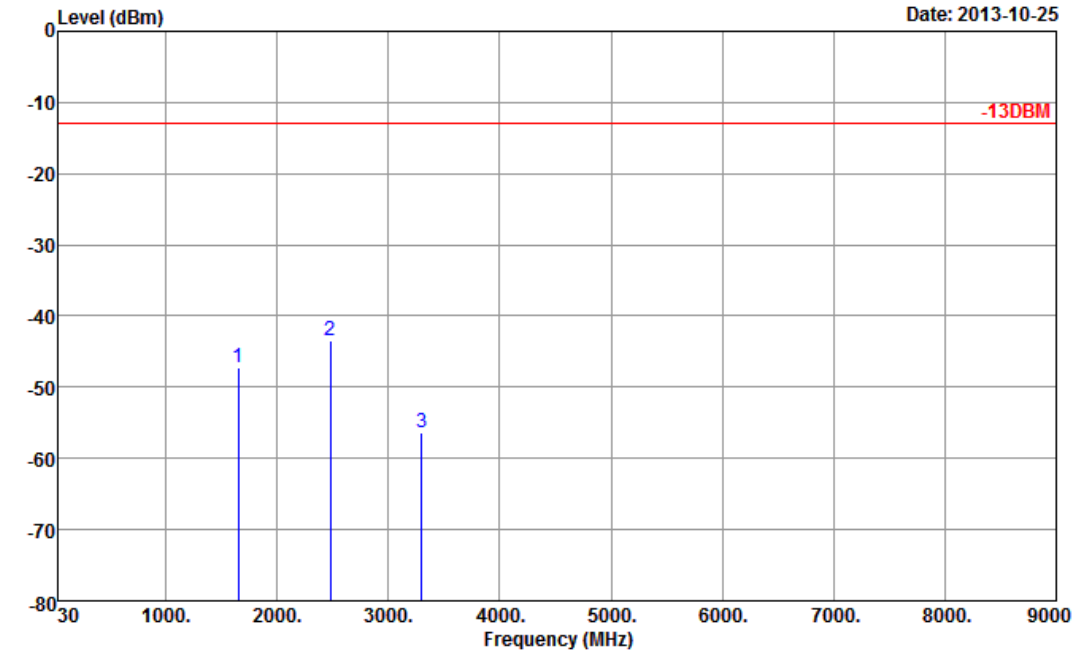


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_H_130101 HORIZONTAL

Plane : X

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1651	-43.76	-13	-30.76	-59.34	-47.01	0.92	6.32	H	Pass
2476	-28.77	-13	-15.77	-54.17	-31.32	1.2	5.90	H	Pass
3301	-53.05	-13	-40.05	-64.25	-57.50	1.2	7.80	H	Pass

Band :	LTE Band 5	Temperature :	23~25°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 5	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

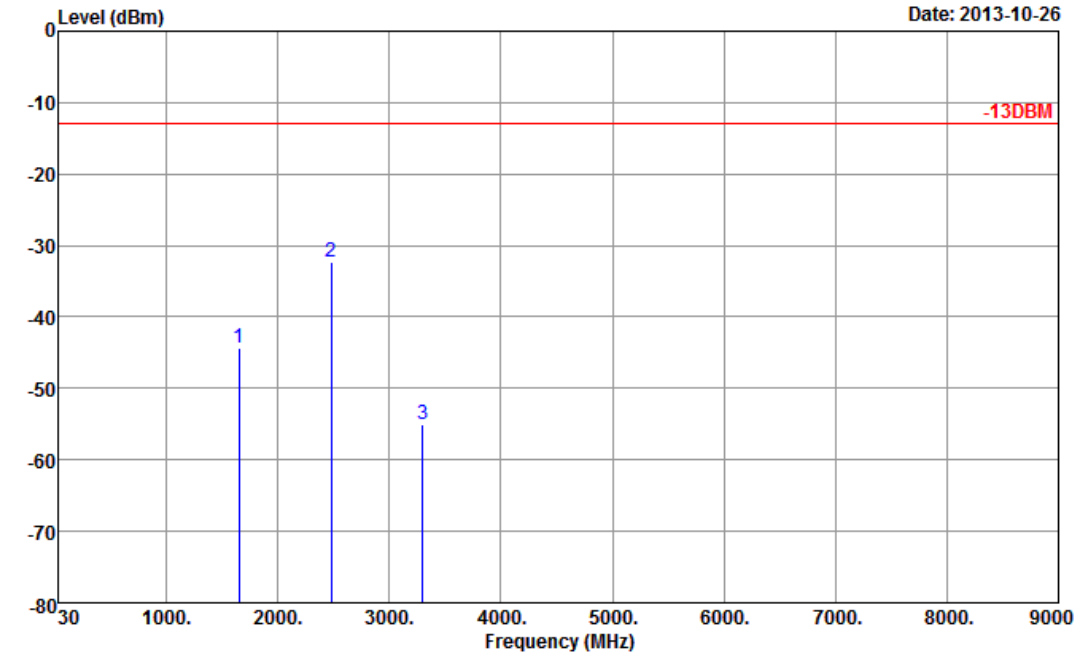


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_V_130101 VERTICAL

Plane : X

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1651	-47.30	-13	-34.30	-59.66	-50.55	0.92	6.32	V	Pass
2476	-43.45	-13	-30.45	-64.88	-46.00	1.20	5.90	V	Pass
3301	-56.27	-13	-43.27	-68.70	-60.72	1.20	7.80	V	Pass

Band :	LTE Band 5	Temperature :	23~25°C
Test Mode :	3MHz QPSK RB Size 1 Offset 7	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

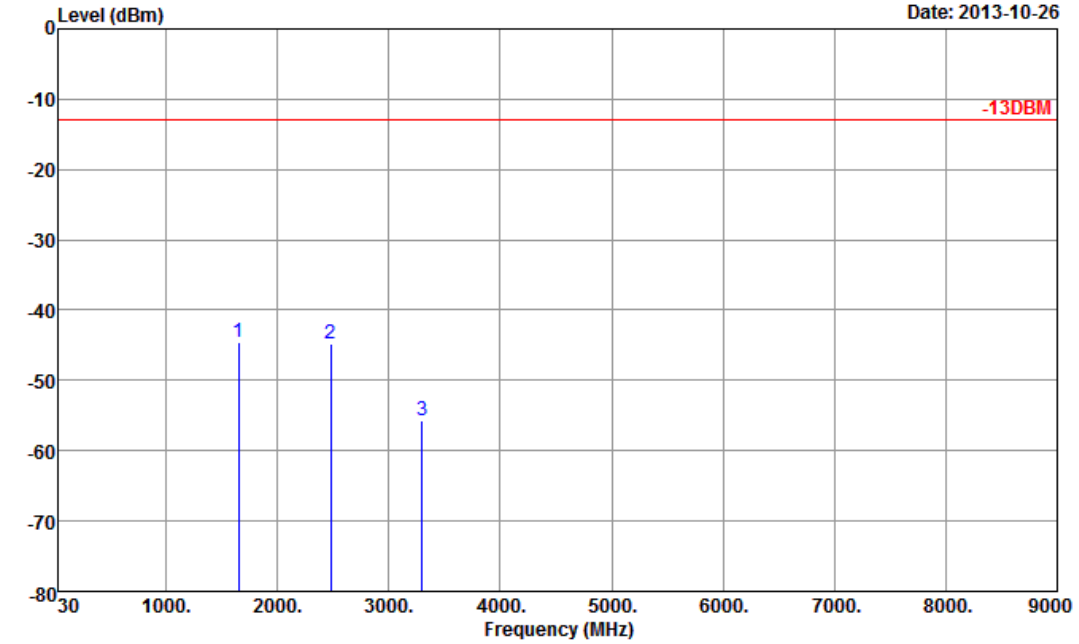


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_H_130101 HORIZONTAL

Plane : X

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1651	-44.32	-13	-31.32	-60.31	-47.57	0.92	6.32	H	Pass
2476	-32.21	-13	-19.21	-57.40	-34.76	1.2	5.90	H	Pass
3301	-55.13	-13	-42.13	-65.73	-59.58	1.2	7.80	H	Pass

Band :	LTE Band 5	Temperature :	23~25°C
Test Mode :	3MHz QPSK RB Size 1 Offset 7	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

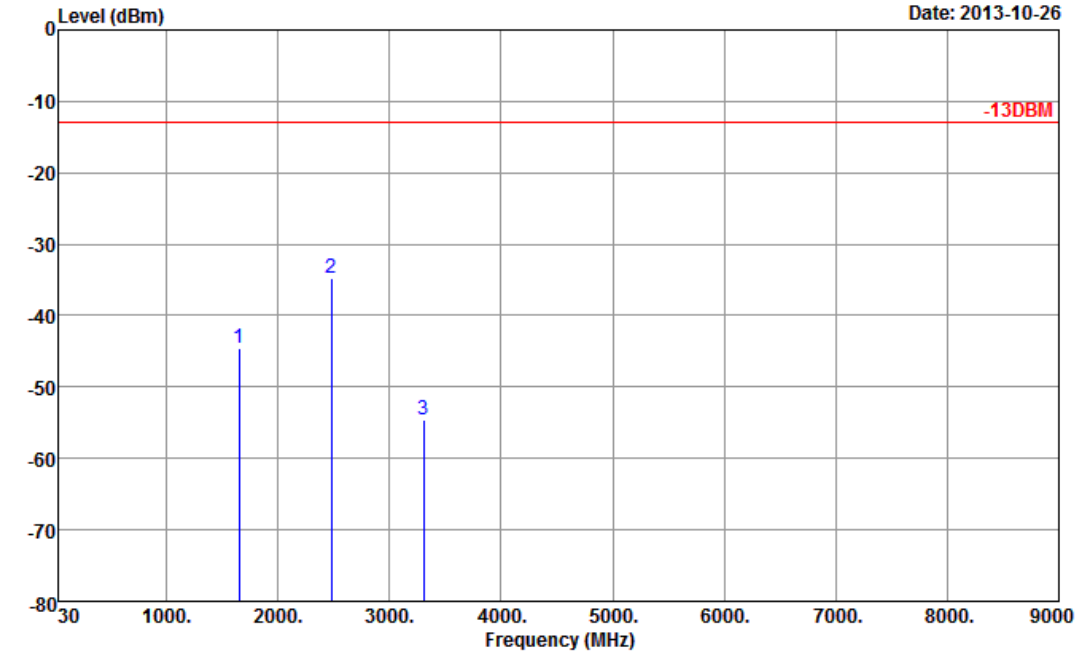


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_V_130101 VERTICAL

Plane : X

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1651	-44.55	-13	-31.55	-57.99	-47.80	0.92	6.32	V	Pass
2476	-44.82	-13	-31.82	-66.20	-47.37	1.20	5.90	V	Pass
3301	-55.78	-13	-42.78	-67.61	-60.23	1.20	7.80	V	Pass

Band :	LTE Band 5	Temperature :	23~25°C
Test Mode :	5MHz QPSK RB Size 1 Offset 12	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

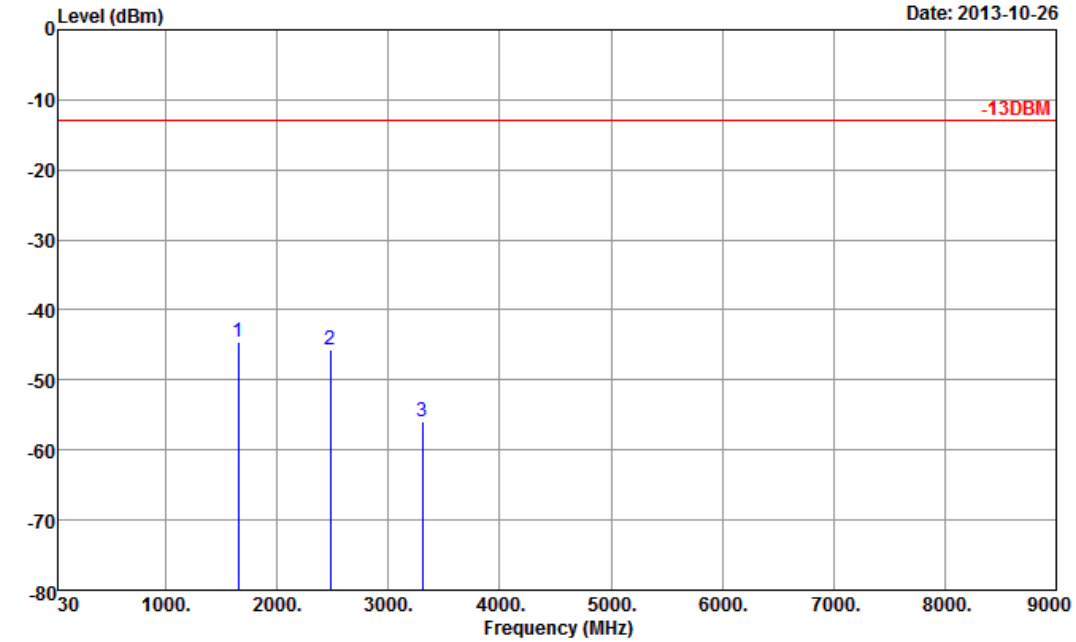


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_H_130101 HORIZONTAL

Plane : X

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1654	-44.50	-13	-31.50	-60.48	-47.75	0.92	6.32	H	Pass
2479	-34.77	-13	-21.77	-59.73	-37.32	1.2	5.90	H	Pass
3307	-54.68	-13	-41.68	-65.28	-59.13	1.2	7.80	H	Pass

Band :	LTE Band 5	Temperature :	23~25°C
Test Mode :	5MHz QPSK RB Size 1 Offset 12	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

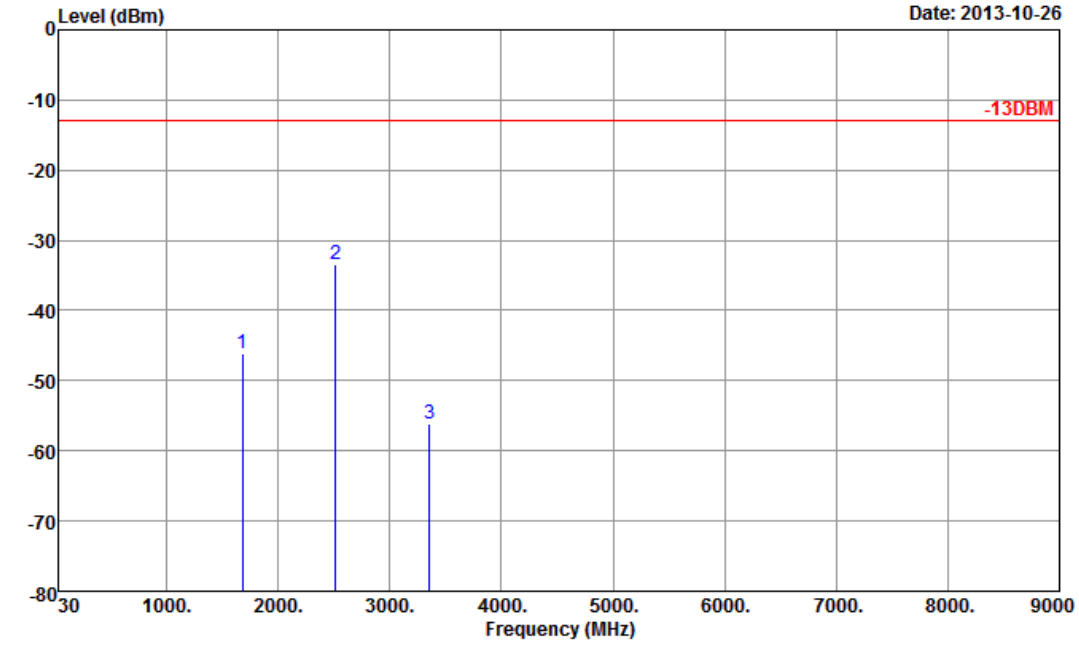


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_V_130101 VERTICAL

Plane : X

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1654	-44.61	-13	-31.61	-58.06	-47.86	0.92	6.32	V	Pass
2479	-45.75	-13	-32.75	-66.82	-48.30	1.20	5.90	V	Pass
3307	-55.94	-13	-42.94	-67.77	-60.39	1.20	7.80	V	Pass

Band :	LTE Band 5	Temperature :	23~25°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

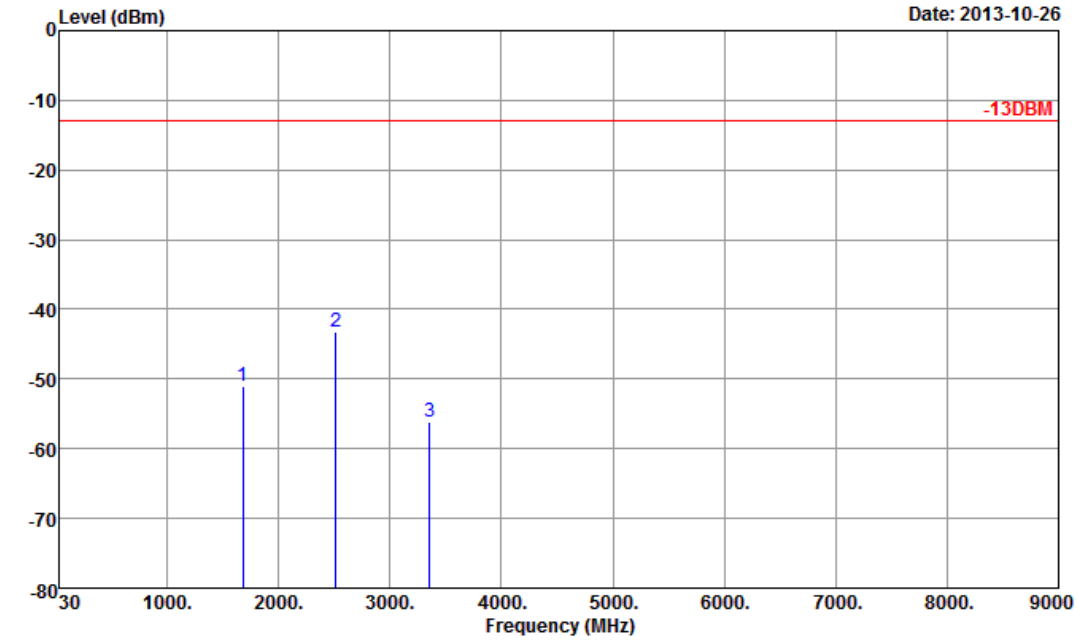


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_H_130101 HORIZONTAL

Plane : X

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1678	-46.20	-13	-33.20	-62.24	-49.19	0.75	5.89	H	Pass
2518	-33.36	-13	-20.36	-58.86	-36.07	1.12	5.98	H	Pass
3358	-56.20	-13	-43.20	-67.40	-60.60	1.25	7.80	H	Pass

Band :	LTE Band 5	**Temperature :**	23~25°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	**Relative Humidity :**	48~52%
Test Engineer :	Gavin Zhang	**Polarization :**	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

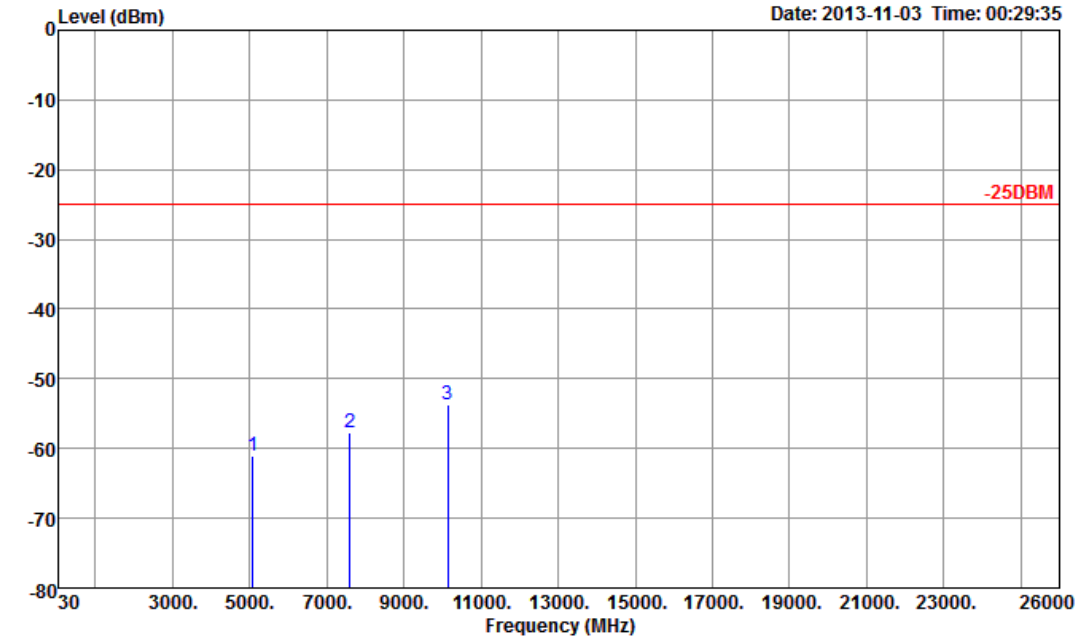


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_V_130101 VERTICAL

Plane : X

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1678	-51.14	-13	-38.14	-63.72	-54.13	0.75	5.89	V	Pass
2518	-43.16	-13	-30.16	-65.00	-45.87	1.12	5.98	V	Pass
3358	-56.23	-13	-43.23	-68.66	-60.63	1.25	7.80	V	Pass

Band :	LTE Band 7	Temperature :	23~25°C
Test Mode :	5MHz QPSK RB Size 1 Offset 12	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

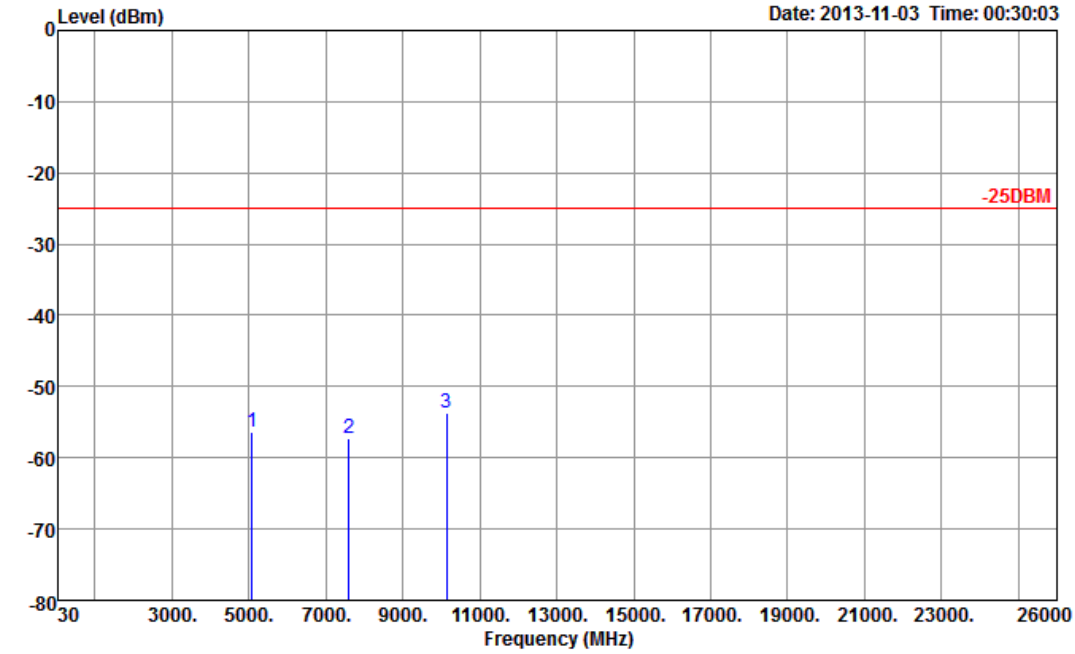


Site : 03CH01-SZ
Condition : -25DBM HF_EIRP_H_130101 HORIZONTAL

Plane : X

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5070.00	-61.14	-25	-36.14	-72.08	-38.20	1.2	7.60	H	Pass
7605.00	-57.79	-25	-32.79	-76.60	-68.60	1.56	9.90	H	Pass
10140.00	-53.80	-25	-28.80	-77.32	-67.90	1.78	11.60	H	Pass

Band :	LTE Band 7	Temperature :	23~25°C
Test Mode :	5MHz QPSK RB Size 1 Offset 12	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

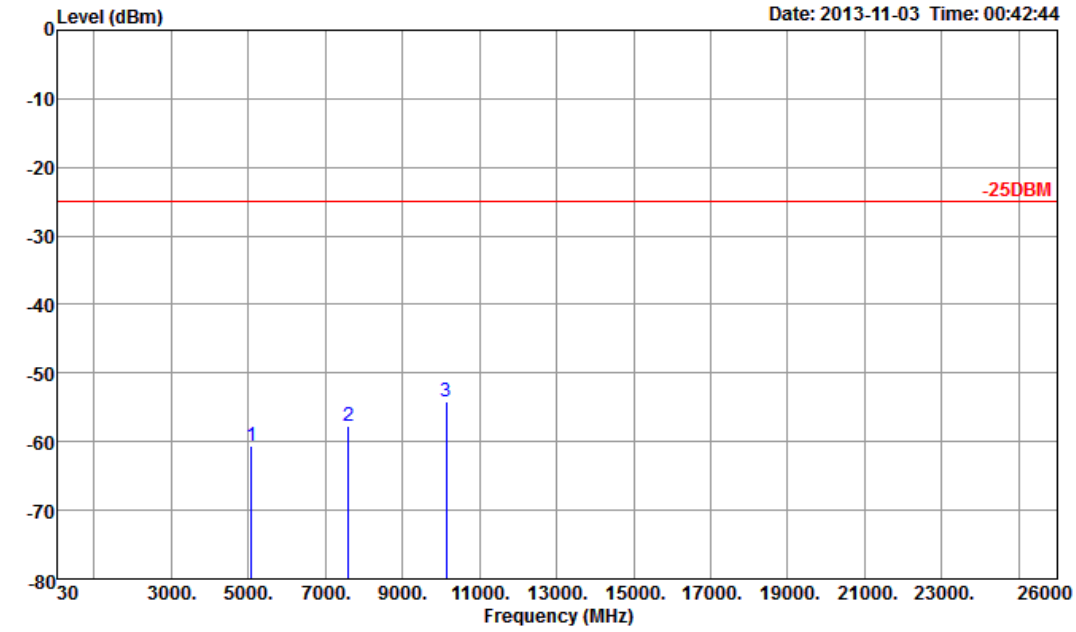


Site : 03CH01-SZ
Condition : -25DBM HF_EIRP_V_130101 VERTICAL

Plane : X

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5070	-56.31	-25	-31.31	-69.03	-43.20	1.2	7.60	V	Pass
7605	-57.23	-25	-32.23	-76.48	-70.30	1.56	9.90	V	Pass
10140	-53.63	-25	-28.63	-76.86	-64.60	1.78	11.60	V	Pass

Band :	LTE Band 7	Temperature :	23~25°C
Test Mode :	10MHz QPSK RB Size 1 Offset 24	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

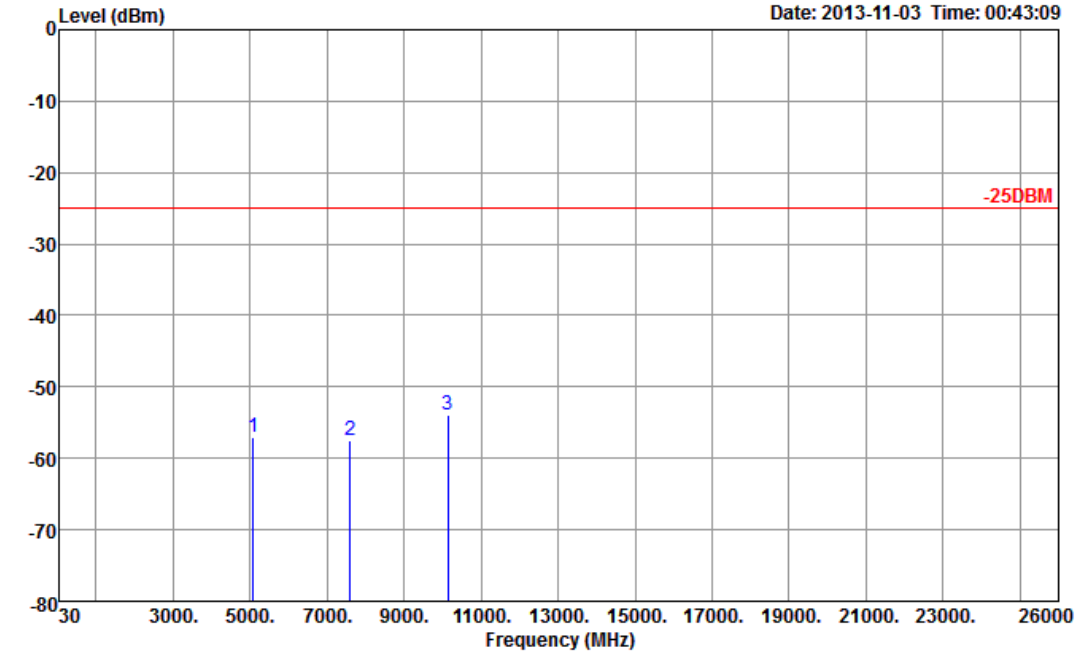


Site : 03CH01-SZ
Condition : -25DBM HF_EIRP_H_130101 HORIZONTAL

Plane : X

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5070.00	-60.70	-25	-35.70	-71.64	-38.20	1.2	7.60	H	Pass
7605.00	-57.77	-25	-32.77	-76.58	-68.60	1.56	9.90	H	Pass
10140.00	-54.25	-25	-29.25	-77.77	-67.90	1.78	11.60	H	Pass

Band :	LTE Band 7	Temperature :	23~25°C
Test Mode :	10MHz QPSK RB Size 1 Offset 24	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

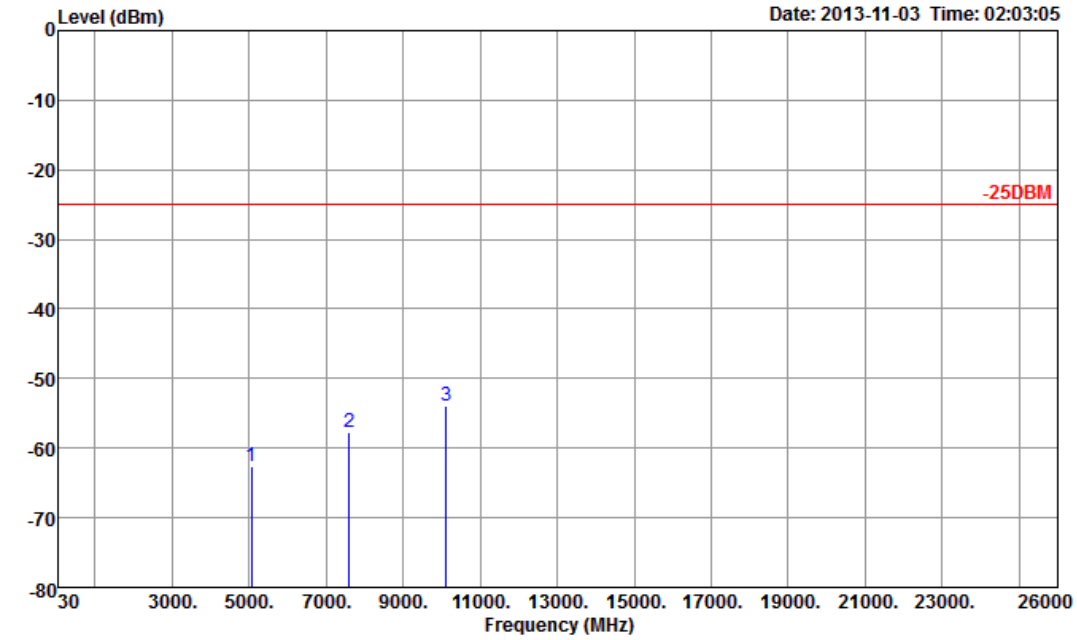


Site : 03CH01-SZ
Condition : -25DBM HF_EIRP_V_130101 VERTICAL

Plane : X

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5070	-57.04	-25	-32.04	-69.76	-43.20	1.2	7.60	V	Pass
7605	-57.42	-25	-32.42	-76.67	-70.30	1.56	9.90	V	Pass
10140	-54.03	-25	-29.03	-77.26	-64.60	1.78	11.60	V	Pass

Band :	LTE Band 7	Temperature :	23~25°C
Test Mode :	15MHz QPSK RB Size 1 Offset 74	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

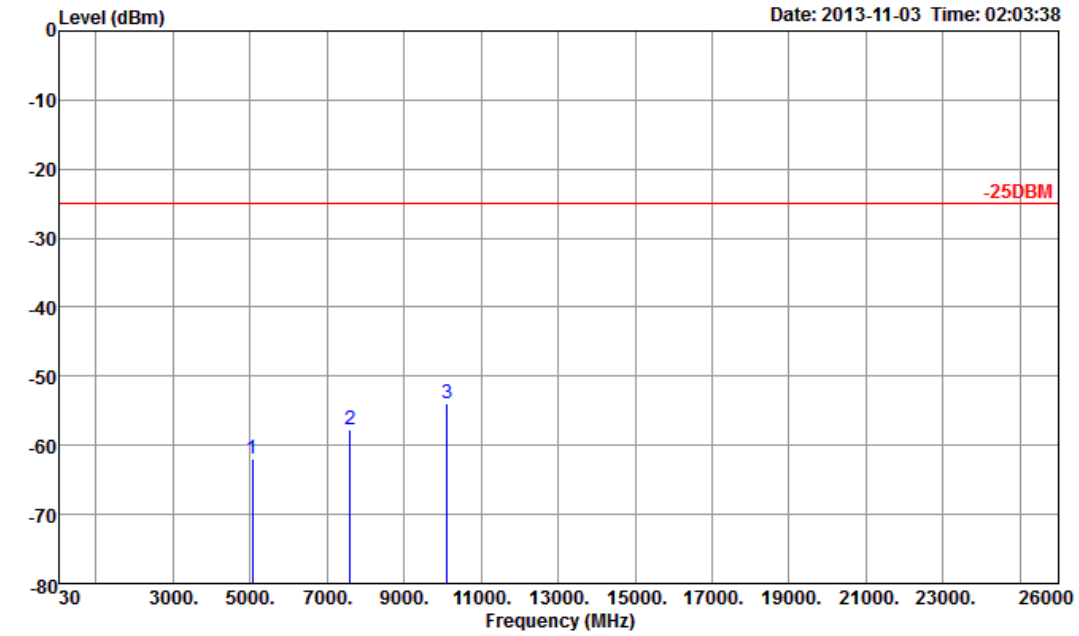


Site : 03CH01-SZ
Condition : -25DBM HF_EIRP_H_130101 HORIZONTAL

Plane : X

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5060.00	-62.65	-25	-37.65	-73.59	-38.20	1.2	7.60	H	Pass
7590.00	-57.72	-25	-32.72	-76.53	-68.60	1.56	9.90	H	Pass
10120.00	-53.90	-25	-28.90	-77.42	-67.90	1.78	11.60	H	Pass

Band :	LTE Band 7	Temperature :	23~25°C
Test Mode :	15MHz QPSK RB Size 1 Offset 74	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

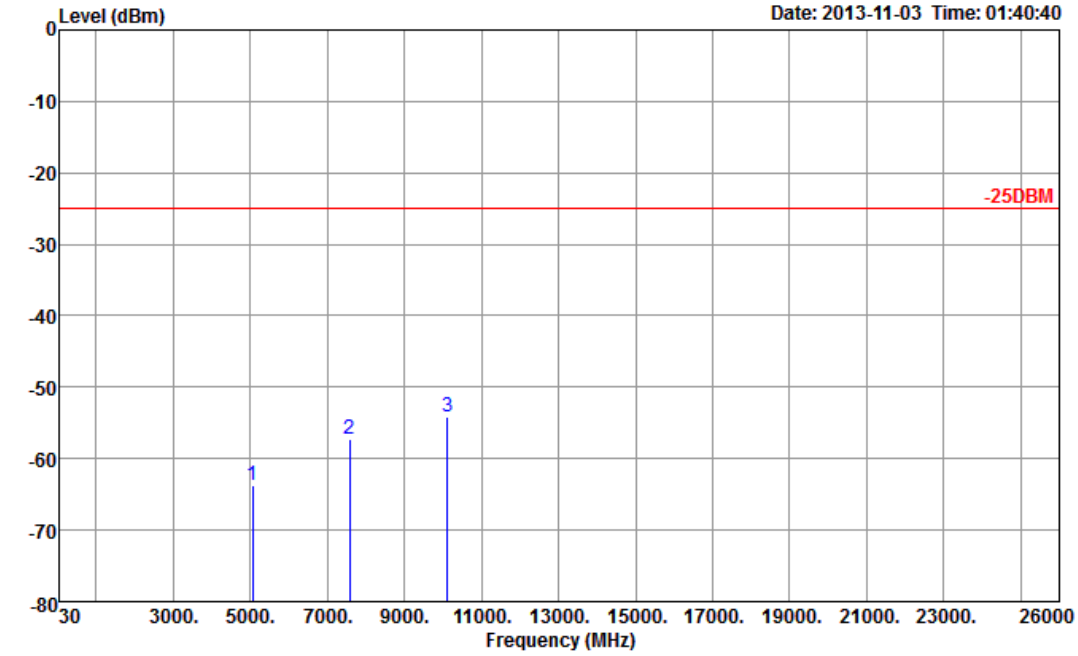


Site : 03CH01-SZ
Condition : -25DBM HF_EIRP_V_130101 VERTICAL

Plane : X

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5060	-61.97	-25	-36.97	-74.69	-43.20	1.2	7.60	V	Pass
7590	-57.77	-25	-32.77	-77.02	-70.30	1.56	9.90	V	Pass
10120	-54.03	-25	-29.03	-77.26	-64.60	1.78	11.60	V	Pass

Band :	LTE Band 7	Temperature :	23~25°C
Test Mode :	20MHz QPSK RB Size 1 Offset 99	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

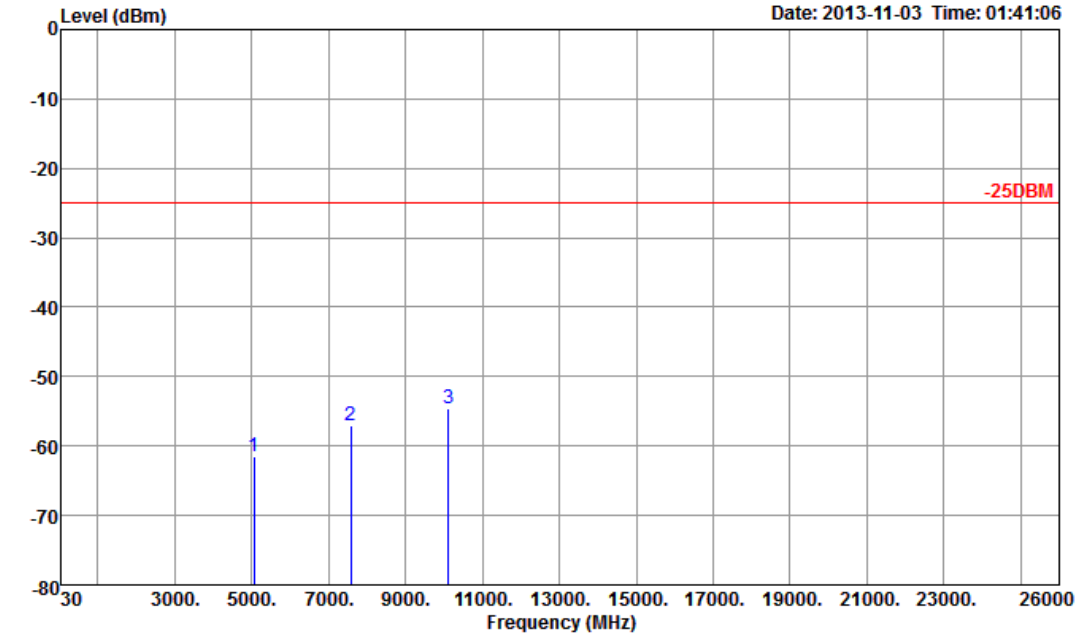


Site : 03CH01-SZ
Condition : -25DBM HF_EIRP_H_130101 HORIZONTAL

Plane : X

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5054.00	-63.74	-25	-38.74	-74.68	-38.20	1.2	7.60	H	Pass
7581.00	-57.27	-25	-32.27	-76.08	-68.60	1.56	9.90	H	Pass
10108.00	-54.18	-25	-29.18	-77.70	-67.90	1.78	11.60	H	Pass

Band :	LTE Band 7	Temperature :	23~25°C
Test Mode :	20MHz QPSK RB Size 1 Offset 99	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

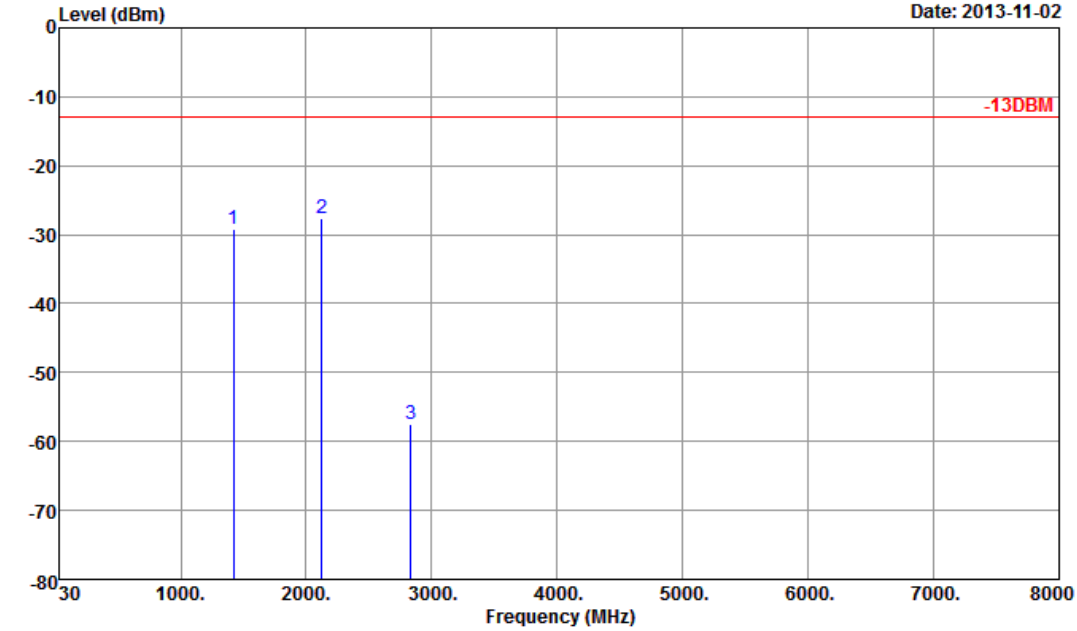


Site : 03CH01-SZ
Condition : -25DBM HF_EIRP_V_130101 VERTICAL

Plane : X

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5054	-61.53	-25	-36.53	-74.25	-43.20	1.2	7.60	V	Pass
7581	-57.08	-25	-32.08	-76.33	-70.30	1.56	9.90	V	Pass
10108	-54.59	-25	-29.59	-77.82	-64.60	1.78	11.60	V	Pass

Band :	LTE Band 17	**Temperature :**	23~25°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	**Relative Humidity :**	48~52%
Test Engineer :	Gavin Zhang	**Polarization :**	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

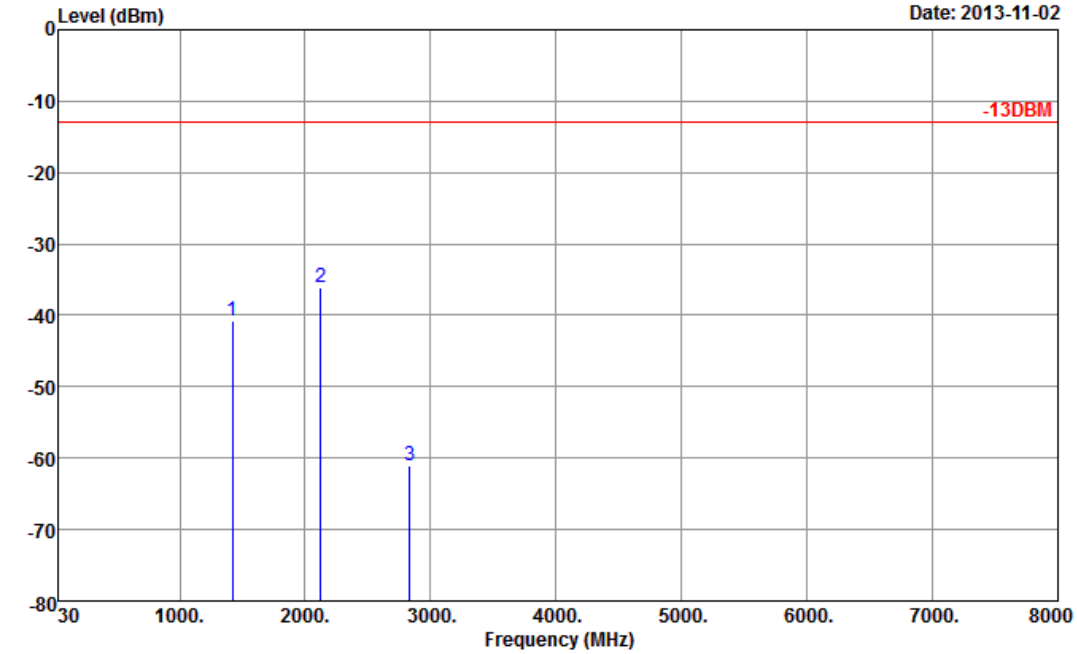


Site : 03CH01-SZ
Condition : -13DBM HF EIRP H_130101 HORIZONTAL

Plane : X

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1418	-29.24	-13	-16.24	-45.63	-32.17	0.78	5.86	H	Pass
2125	-27.67	-13	-14.67	-53.01	-30.27	1	5.75	H	Pass
2833	-57.53	-13	-44.53	-67.89	-61.83	1.05	7.50	H	Pass

Band :	LTE Band 17	Temperature :	23~25°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%
Test Engineer :	Gavin Zhang	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

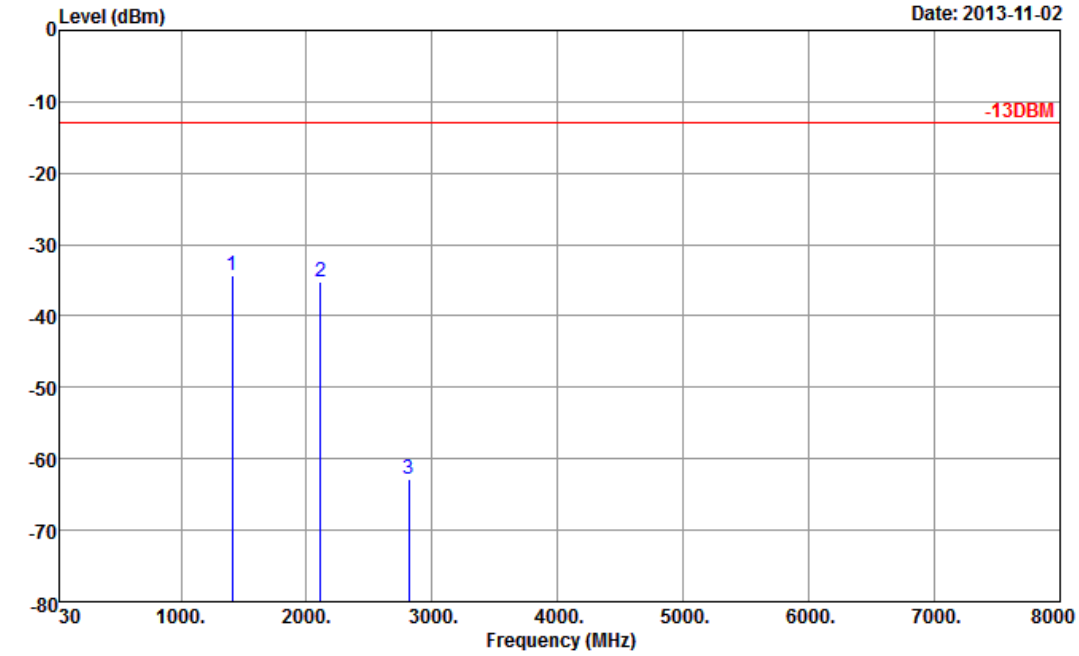


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_V_130101 VERTICAL

Plane : X

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1418	-40.78	-13	-27.78	-54.27	-43.71	0.78	5.86	V	Pass
2125	-36.03	-13	-23.03	-58.46	-38.63	1.00	5.75	V	Pass
2833	-61.05	-13	-48.05	-72.64	-65.35	1.05	7.50	V	Pass

Band :	LTE Band 17	**Temperature :**	23~25°C
Test Mode :	10MHz QPSK RB Size 1 Offset 24	**Relative Humidity :**	48~52%
Test Engineer :	Gavin Zhang	**Polarization :**	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

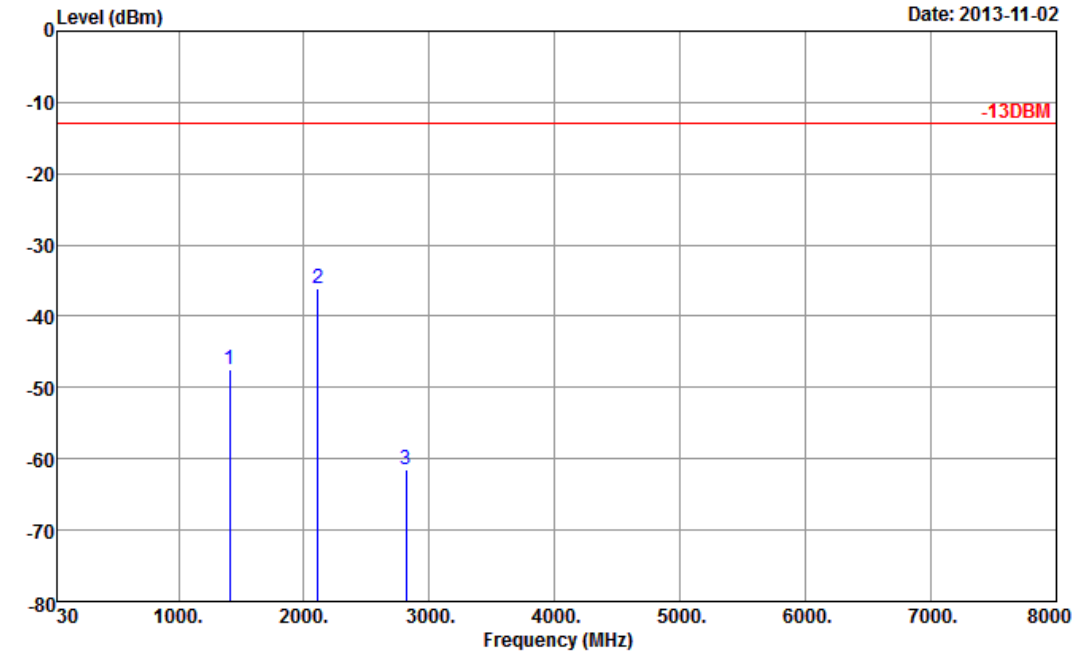


Site : 03CH01-SZ
Condition : -13DBM HF_EIRP_H_130101 HORIZONTAL

Plane : X

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1408	-34.37	-13	-21.37	-51.13	-37.30	0.78	5.86	H	Pass
2113	-35.20	-13	-22.20	-60.01	-37.80	1	5.75	H	Pass
2816	-62.77	-13	-49.77	-73.13	-67.07	1.05	7.50	H	Pass

Band :	LTE Band 17	**Temperature :**	23~25°C
Test Mode :	10MHz QPSK RB Size 1 Offset 24	**Relative Humidity :**	48~52%
Test Engineer :	Gavin Zhang	**Polarization :**	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



Site : 03CH01-SZ
Condition : -13DBM HF EIRP V 130101 VERTICAL

Plane : X

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1408	-47.54	-13	-34.54	-60.29	-50.47	0.78	5.86	V	Pass
2113	-36.08	-13	-23.08	-58.51	-38.68	1.00	5.75	V	Pass
2816	-61.40	-13	-48.40	-72.99	-65.70	1.05	7.50	V	Pass

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	Agilent Technologies	N9038A	MY52260185	20Hz~26.5GHz	Apr. 04, 2013	Oct. 25, 2013~ Nov. 05, 2013	Apr. 03, 2014	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS Lindgren	3117	00119436	1GHz~18GHz	Oct. 11, 2013	Oct. 25, 2013~ Nov. 05, 2013	Oct. 10, 2014	Radiation (03CH01-SZ)
Bilog Antenna	SCHAFFNER	CBL6112B	2614	30MHz~2GHz	Nov. 03, 2012	Oct. 25, 2013~ Nov. 02, 2013	Nov. 02, 2013	Radiation (03CH01-SZ)
Bilog Antenna	SCHAFFNER	CBL6112B	2614	30MHz~2GHz	Nov. 02, 2013	Nov. 02, 2013~ Nov. 05, 2013	Nov. 01, 2014	Radiation (03CH01-SZ)
Amplifier	ADVANTEST	BB525C	E9007003	9kHz~3GHz Gain 30dB	Mar. 28, 2013	Oct. 25, 2013~ Nov. 05, 2013	Mar. 27, 2014	Radiation (03CH01-SZ)
Amplifier	Yiai	AV3860B	04030	2GHz~26.5GHz	Mar. 28, 2013	Oct. 25, 2013~ Nov. 05, 2013	Mar. 27, 2014	Radiation (03CH01-SZ)
SHF-EHF-Horn	Schwarzbeck	BBHA9170	BBHA9170249	14GHz~40GHz	Nov. 23, 2012	Oct. 25, 2013~ Nov. 05, 2013	Nov. 22, 2013	Radiation (03CH01-SZ)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Oct. 21, 2013	Oct. 25, 2013~ Nov. 05, 2013	Oct. 20, 2014	Radiation (03CH01-SZ)
Turn Table	EM Electronics	EM 1000	N/A	0 ~ 360 degree	N/A	Oct. 25, 2013~ Nov. 05, 2013	N/A	Radiation (03CH01-SZ)
Antenna Mast	EM Electronics	EM 1000	N/A	1 m ~ 4 m	N/A	Oct. 25, 2013~ Nov. 05, 2013	N/A	Radiation (03CH01-SZ)
Spectrum Analyzer	R&S	FSP 7	100818	9kHz~7GHz	Aug. 21, 2013	Nov. 27, 2013	Aug. 20, 2014	ERP/EIRP (OTA01-SZ)
Quad-Ridged Horn	ETS-Lindgren	3164-08	00102954	700MHz~10000MHz	N/A	Nov. 27, 2013	N/A	ERP/EIRP (OTA01-SZ)
Multi-Devices Controller	ETS-Lindgren	2090-OPT1	00108147	N/A	N/A	Nov. 27, 2013	N/A	ERP/EIRP (OTA01-SZ)
Switch Control Mainframe	Agilent	3499A	MY42005451	N/A	N/A	Nov. 27, 2013	N/A	ERP/EIRP (OTA01-SZ)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.90

Appendix B. Product Equality Declaration