

FCC

RF

TEST REPORT

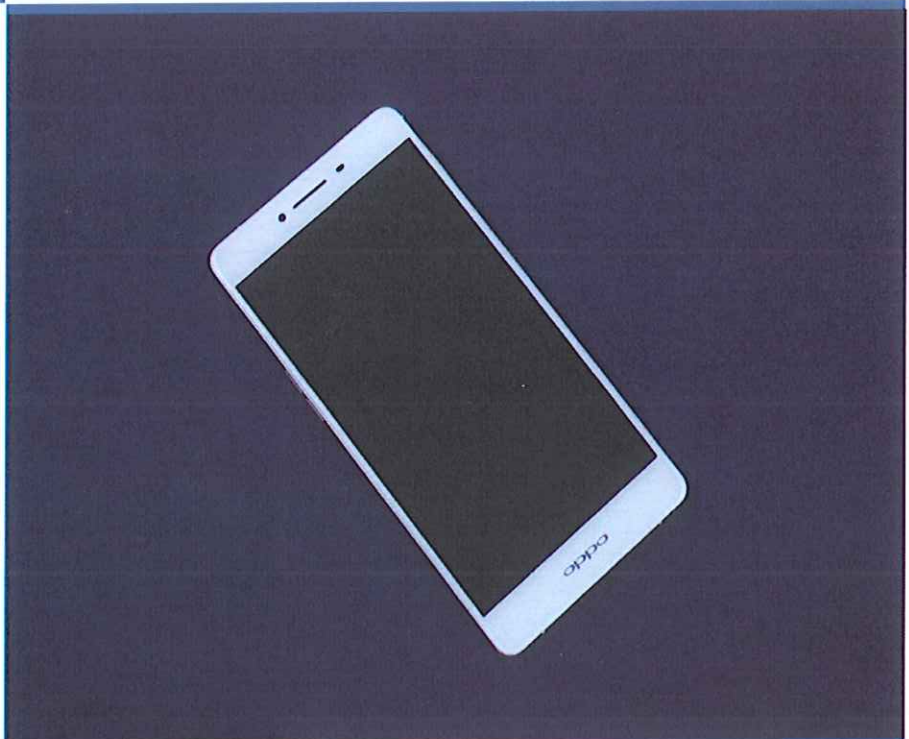
ISSUED BY
Shenzhen BALUN Technology Co., Ltd.



FOR
Mobile Phone

ISSUED TO
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS
CORP., LTD

NO.18 HAIBIN ROAD, WUSHA, CHANG'AN, DONGGUAN,
GUANGDONG, CHINA



Tested by:

Cao shaodong
(Engineer)

Date Sep. 21, 2015

Approved by:

Wei Yanquan
(Chief Engineer)

Date Sep. 21, 2015



Report No.:	BL-SZ1570289-604
EUT Type:	Mobile Phone
Model Name:	OPPO R7sf
Brand Name:	OPPO
Test Standard:	47 CFR Part 2 47 CFR Part 22 Subpart H 47 CFR Part 24 Subpart E 47 CFR Part 27 Subpart L 47 CFR Part 27 Subpart M
FCC ID:	R9C-R7SF
Test conclusion:	Pass
Test Date:	Aug. 20, 2015 ~ Aug. 31, 2015
Date of Issue:	Sep. 21, 2015

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Revision History

<u>Version</u>	<u>Issue Date</u>	<u>Revisions</u>
Rev. 01	Sep. 15, 2015	Initial Issue
Rev. 02	Sep. 21, 2015	The Second Issue

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1 ADMINISTRATIVE DATA (GENERAL INFORMATION)

1.1 Identification of the Testing Laboratory

Company Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6683 3402
Fax Number	+86 755 6182 4271

1.2 Identification of the Responsible Testing Location

Test Location	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	<p>The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A-1.</p> <p>The laboratory has been listed by US Federal Communications Commission to perform electromagnetic emission measurements. The recognition numbers of test site are 832625.</p> <p>The laboratory has met the requirements of the IAS Accreditation Criteria for Testing Laboratories (AC89), has demonstrated compliance with ISO/IEC Standard 17025:2005. The accreditation certificate number is TL-588.</p> <p>The laboratory is a testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L6791.</p>
Description	All measurement facilities used to collect the measurement data are located at Block B, FL 1, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China 518055

1.3 Announce

- (1) The test report reference to the report template version v1.0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- (5) This document may not be altered or revised in any way unless done so by BALUN and all revisions are duly noted in the revisions section.
- (6) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.

2 PRODUCT INFORMATION

2.1 Applicant

Applicant	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD
Address	NO.18 HAIBIN ROAD, WUSHA, CHANG'AN, DONGGUAN, GUANGDONG, CHINA

2.2 Manufacturer

Manufacturer	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD
Address	NO.18 HAIBIN ROAD, WUSHA, CHANG'AN, DONGGUAN, GUANGDONG, CHINA

2.3 General Description for Equipment under Test (EUT)

EUT Type	Mobile Phone
Model Name	OPPO R7sf
Hardware Version	11
Software Version	ColorOS V2.1.0i
Network and Wireless connectivity	GSM Network: GPRS/EDGE 850/900/1800/1900 MHz WCDMA Network: HSDPA/HSUPA/HSPA+ I/II/IV/V/VIII FDD-LTE Network Band: 1/2/4/7/17 Bluetooth 3.0, Bluetooth 4.0 Low Energy (BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n(HT20/40) and 802.11ac GLONASS, GPS
About the Product	The equipment is smart phone, intended for used with information technology equipment.

2.4 Technical Information

Frequency Bands	GSM/GPRS/EGPRS 850/1900 WCDMA/HSDPA/HSUPA Band 2/Band 4/Band 5 LTE FDD Band 2/Band 4/Band 7/Band 17	
Modulation Type	GSM	GMSK
	GPRS	GMSK
	EGPRS	8PSK
	WCDMA	QPSK
	HSDPA	QPSK
		16QAM
	HSUPA	QPSK
		16QAM
LTE	QPSK	
	16QAM	
TX Frequency Range	GSM/GPRS/EGPRS 850: 824.20 - 848.80 MHz GSM/GPRS/EGPRS 1900: 1850.20 - 1909.80 MHz WCDMA/HSDPA/HSUPA Band 2: 1852.4 -1907.6 MHz WCDMA/HSDPA/HSUPA Band 4: 1712.4 - 1752.6 MHz WCDMA/HSDPA/HSUPA Band 5: 826.4 - 846.6 MHz LTE Band 2: 1850 - 1910 MHz	

	LTE Band 4: 1710 - 1755 MHz LTE Band 7: 2500 - 2570 MHz LTE Band 17: 704 - 716 MHz
Rx Frequency Range	GSM/GPRS/EGPRS 850: 869.20 - 893.80 MHz GSM/GPRS/EGPRS 1900: 1930.20 - 1989.80 MHz WCDMA/HSDPA/HSUPA Band 2: 1932.4 - 1987.6 MHz WCDMA/HSDPA/HSUPA Band 4: 2112.4 - 2152.6 MHz WCDMA/HSDPA/HSUPA Band 5: 871.4 - 891.6 MHz LTE Band 2: 1930 - 1990 MHz LTE Band 4: 2110 - 2155 MHz LTE Band 7: 2620 - 2690 MHz LTE Band 17: 734 - 746 MHz
Power Class	GSM/GPRS 850: 4 GSM/GPRS 1900: 1 EGPRS 850: E2 EGPRS 1900: E2 WCDMA/HSDPA/HSUPA Band 2: 3 WCDMA/HSDPA/HSUPA Band 4: 3 WCDMA/HSDPA/HSUPA Band 5: 3 LTE Band 2: 3 LTE Band 4: 3 LTE Band 7: 3 LTE Band 17: 3
Multislot Class	GPRS: 12, EGPRS: 12
Antenna Type	PIFA Antenna
Antenna Gain	GSM/GPRS/EGPRS 850: 0.5 dBi GSM/GPRS/EGPRS 1900: 1.1 dBi WCDMA/HSDPA/HSUPA Band 2: 1.1 dBi WCDMA/HSDPA/HSUPA Band 4: 1.1 dBi WCDMA/HSDPA/HSUPA Band 5: 0.5 dBi LTE Band 2: 1.1 dBi LTE Band 4: 1.1 dBi LTE Band 7: 1.1 dBi LTE Band 17: 0.5 dBi

Note: The above EUT information in section 2.3 and 2.4 was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

2.5 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	OPPO
	Model No.	BLP603
	Serial No.	N/A
	Capacitance	2980 mAh
	Rated Voltage	3.8 V
	Extreme Voltage	Low: 3.6 V / High: 4.35 V
Ancillary Equipment 2	Charger 1	
	Brand Name	OPPO
	Model No.	AK775
	Rated Input	100-240 V~, 0.6 A, 50/60 Hz
	Rated Output	5 V=, 4 A
Ancillary Equipment 3	Earphone	
	Length	1.1 m
Ancillary Equipment 4	USB Data Cable	
	Length	1.0 m

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 2 (10-1-14 Edition)	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	47 CFR Part 22 (10-1-14 Edition)	Public Mobile Services
3	47 CFR Part 24 (10-1-14 Edition)	Personal Communications Services
4	47 CFR Part 27 (10-1-14 Edition)	Miscellaneous Wireless Communications Services
5	TIA/EIA 603.D-2010	Land Mobile FM or PM Communications Equipment Measurement and Performance Standards
6	KDB 971168 D01 v02r02	Measurement Guidance For Certification of Licensed Digital Transmitters

3.2 Verdict

No.	Description	FCC Part No.	Test Result	Verdict
1	Conducted RF Output Power	2.1046	Reporting only (Show in ANNEX A.1)	Pass
2	Effective (Isotropic) Radiated Power	2.1046 22.913 24.232 27.50(d) 27.50(h)	ANNEX A.1	Pass
3	Peak to average ratio	2.0146 24.232 27.50(d)	ANNEX A.2	Pass
4	Occupied Bandwidth	2.1049 22.917 24.238 27.53(h) 27.53(m)	ANNEX A.3	Pass
5	Frequency Stability	2.1055 22.355 24.235 27.54	ANNEX A.4	Pass
6	Spurious Emission at Antenna Terminals	2.1051 22.917 24.238 27.53(h) 27.53(m)	ANNEX A.5	Pass

7	Band Edge	2.1051 22.917 24.238 27.53(h) 27.53(m)	ANNEX A.6	Pass
8	Field Strength of Spurious Radiation	2.1053 22.917 24.238 27.53(h) 27.53(m)	ANNEX A.7	Pass

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

During the measurement, the normal environmental conditions were within the listed ranges:

Relative Humidity	45% - 55%	
Atmospheric Pressure	100 kPa -102 kPa	
Temperature	NT (Normal Temperature)	+22 to +25°C
Working Voltage of the EUT	NV (Normal Voltage)	3.8 V
	LV (Low Voltage)	3.6 V
	HV (High Voltage)	4.35 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-30	103118	2015.07.16	2016.07.15
Vector Signal Generator	ROHDE&SCHWARZ	SMBV100A	177746	2015.07.16	2016.07.15
Signal Generator	ROHDE&SCHWARZ	SMB100A	260592	2015.07.01	2016.06.30
Switch Unit with OSP-B157	ROHDE&SCHWARZ	OSP120	101270	2015.07.16	2016.07.15
Spectrum Analyzer	AGILENT	E4440A	MY45304434	2014.10.18	2015.10.17
Universal Radio Communication Tester	ROHDE&SCHWARZ	CMU 200	123666	2015.07.01	2016.06.30
Wireless Communications Test Set	ROHDE&SCHWARZ	CMW 500	138884	2015.07.01	2016.06.30
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2015.07.14	2016.07.13
LISN	SCHWARZBECK	NSLK 8127	8127-687	2015.07.14	2016.07.13
Bluetooth Tester	ROHDE&SCHWARZ	CBT	101005	2015.07.16	2016.07.15
Power Splitter	KMW	DCPD-LDC	1305003215	2015.07.01	2016.06.30
Power Sensor	ROHDE&SCHWARZ	NRP-Z21	103971	2015.07.21	2016.07.20
Attenuator (20 dB)	KMW	ZA-S1-201	110617091	--	--
Attenuator (6 dB)	KMW	ZA-S1-61	1305003189	--	--
DC Power Supply	ROHDE&SCHWARZ	HMP2020	18141664	2015.07.17	2016.07.16
Temperature Chamber	ANGELANTIONI SCIENCE	NTH64-40A	1310	2015.08.07	2016.08.06
Test Antenna-Loop(9 kHz-30 MHz)	SCHWARZBECK	FMZB 1519	1519-037	2015.07.22	2017.07.21
Test Antenna-Bi-Log(30 MHz-3 GHz)	SCHWARZBECK	VULB 9163	9163-624	2015.07.22	2017.07.21
Test Antenna-Horn(1-18 GHz)	SCHWARZBECK	BBHA 9120D	9120D-1148	2015.07.22	2017.07.21
Test Antenna-Horn(15-26.5 GHz)	SCHWARZBECK	BBHA 9170	9170-305	2015.07.22	2017.07.21
Anechoic Chamber	RAINFORD	9m*6m*6m	N/A	2014.10.07	2015.10.06
Shielded Enclosure	ChangNing	CN-130701	130703	--	--

4.3 Test Configurations

Test Items	Test Mode	Test Channel		
		LCH	MCH	HCH
E.R.P/E.I.R.P	GSM 850	v	v	v
	GSM 1900	v	v	v
	GPRS 850	v	v	v
	GPRS 1900	v	v	v
	EGPRS 850	v	v	v
	EGPRS 1900	v	v	v
	WCDMA Band 2	v	v	v
	WCDMA Band 4	v	v	v
	WCDMA Band 5	v	v	v
	HSUPA Band 2	v	v	v
	HSUPA Band 4	v	v	v
	HSUPA Band 5	v	v	v
	HSDPA Band 2	v	v	v
	HSDPA Band 4	v	v	v
	HSDPA Band 5	v	v	v
Peak to Average Ratio	WCDMA Band 2	v	v	v
	WCDMA Band 4	v	v	v
Occupied Bandwidth	GSM 850	v	v	v
	GSM 1900	v	v	v
	GPRS 850	v	v	v
	GPRS 1900	v	v	v
	EGPRS 850	v	v	v
	EGPRS 1900	v	v	v
	WCDMA Band 2	v	v	v
	WCDMA Band 4	v	v	v
	WCDMA Band 5	v	v	v
Frequency Stability	GSM 850	v	v	v
	GSM 1900	v	v	v
	GPRS 850	v	v	v
	GPRS 1900	v	v	v
	EGPRS 850	v	v	v
	EGPRS 1900	v	v	v
	WCDMA Band 2	v	v	v
	WCDMA Band 4	v	v	v
	WCDMA Band 5	v	v	v
Spurious Emission at Antenna Terminals	GSM 850	v	v	v
	GSM 1900	v	v	v
	GPRS 850	v	v	v
	GPRS 1900	v	v	v
	EGPRS 850	v	v	v
	EGPRS 1900	v	v	v
	WCDMA Band 2	v	v	v
	WCDMA Band 4	v	v	v

Test Items	Test Mode	Test Channel		
		LCH	MCH	HCH
	WCDMA Band 5	v	v	v
Band Edge	GSM 850	v	--	v
	GSM 1900	v	--	v
	GPRS 850	v	--	v
	GPRS 1900	v	--	v
	EGPRS 850	v	--	v
	EGPRS 1900	v	--	v
	WCDMA Band 2	v	--	v
	WCDMA Band 4	v	--	v
	WCDMA Band 5	v	--	v
Field Strength of Spurious Radiation	GSM 850	v	v	v
	GSM 1900	v	v	v
	GPRS 850	v	v	v
	GPRS 1900	v	v	v
	EGPRS 850	v	v	v
	EGPRS 1900	v	v	v
	WCDMA Band 2	v	v	v
	WCDMA Band 4	v	v	v
	WCDMA Band 5	v	v	v

Note 1: The mark "v" means that this configuration is chosen for testing.

Test Items	LTE Band	Bandwidth (MHz)						Modulation		RB#			Test Channel		
		1.4	3	5	10	15	20	QPSK	16-QAM	1	Half	Full	LCH	MCH	HCH
E.R.P/E.I .R.P	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	
	7	n	n	v	v	v	v	v	v	v	v	v	v	v	
	17	n	n	v	v	n	n	v	v	v	v	v	v	v	
Peak to Average Ratio	2	--	--	--	--	--	v	--	v	v	--	v	v	v	
	4	--	--	--	--	--	v	--	v	v	--	v	v	v	
	7	n	n	--	--	--	v	--	v	v	--	v	v	v	
	17	n	n	--	v	n	n	--	v	v	--	v	v	v	
Occupied Bandwidth	2	v	v	v	v	v	v	v	v	--	--	v	v	v	
	4	v	v	v	v	v	v	v	v	--	--	v	v	v	
	7	n	n	v	v	v	v	v	v	--	--	v	v	v	
	17	n	n	v	v	n	n	v	v	--	--	v	v	v	
Frequency Stability	2	v	v	v	v	v	v	v	v	--	--	v	v	v	
	4	v	v	v	v	v	v	v	v	--	--	v	v	v	
	7	n	n	v	v	v	v	v	v	--	--	v	v	v	
	17	n	n	v	v	n	n	v	v	--	--	v	v	v	
Spurious Emission at Antennas	2	v	v	v	v	v	v	v	v	v	--	--	v	v	
	4	v	v	v	v	v	v	v	v	v	--	--	v	v	
	7	n	n	v	v	v	v	v	v	v	--	--	v	v	
	17	n	n	v	v	n	n	v	v	v	--	--	v	v	

Band Edge	2	v	v	v	v	v	v	v	v	v	v	v	v	--	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	--	v
	7	n	n	v	v	v	v	v	v	v	v	v	v	--	v
	17	n	n	v	v	n	n	v	v	v	v	v	v	--	v
Field Strength of Spurious Radiation	2	v	v	v	v	v	v	v	v	v	--	--	v	v	v
	4	v	v	v	v	v	v	v	v	v	--	--	v	v	v
	7	n	n	v	v	v	v	v	v	v	--	--	v	v	v
	17	n	n	v	v	n	n	v	v	v	--	--	v	v	v

Note 1: The mark "v" means that this configuration is chosen for testing.

Note 2: The mark "n" means that this bandwidth is not supported.

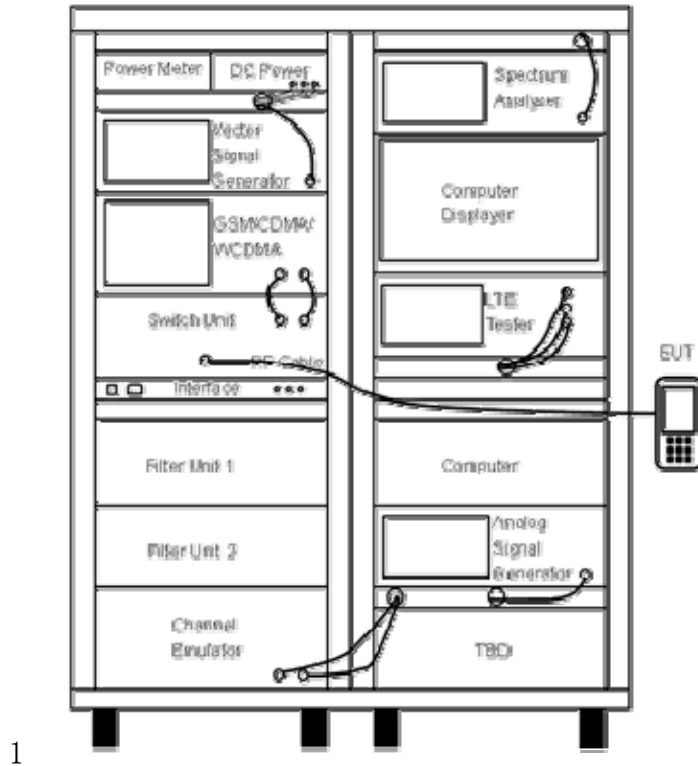
Test Mode	Channel	ARFCN	Frequency (MHz)
GSM/GPRS/EGPRS 850	LCH	128	824.2
	MCH	190	836.6
	HCH	251	848.8
GSM/GPRS/EGPRS 1900	LCH	512	1850.2
	MCH	661	1880
	HCH	810	1909.8
WCDMA Band 2	LCH	9662	1852.4
	MCH	9800	1880
	HCH	9938	1907.6
WCDMA Band 4	LCH	10562	1712.4
	MCH	10663	1728.6
	HCH	10763	1752.6
WCDMA Band 5	LCH	4357	826.4
	MCH	4408	836.6
	HCH	4458	846.6

Test Mode	Test Frequency ID	Bandwidth (MHz)	ARFCN	Frequency (MHz)
LTE Band 2	Low Range	1.4	607	1850.7
		3	615	1851.5
		5	625	1852.5
		10	650	1855
		15	675	1857.5
		20	700	1860
	Mid Range	1.4/3/5/10/15/20	900	1880
	High Range	1.4	1193	1909.3
		3	1185	1908.5
		5	1175	1907.5
		10	1150	1905
		15	1125	1902.5
		20	1100	1900
LTE Band 4	Low Rang	1.4	1957	1710.7

Test Mode	Test Frequency ID	Bandwith (MHz)	ARFCN	Frequency (MHz)
		3	1965	1711.5
		5	1975	1712.5
		10	2000	1715
		15	2025	1717.5
		20	2050	1720
	Mid Range	1.4/3/5/10/15/20	2175	1732.5
	High Range	1.4	2393	1754.3
		3	2385	1753.5
		5	2375	1752.5
		10	2350	1750
		15	2325	1747.5
20		2300	1745	
LTE Band 7	Low Rang	5	2775	2502.5
		10	2800	2505
		15	2825	2507.5
		20	2850	2510
	Mid Range	5/10/15/20	3100	2535
	High Range	5	3425	2567.5
		10	2400	2565
		15	3375	2562.5
20		3350	2560	
LTE Band 17	Low Rang	5	5755	706.5
		10	5780	709
	Mid Range	5/10	5790	710
	High Range	5	5825	713.5
		10	5800	711

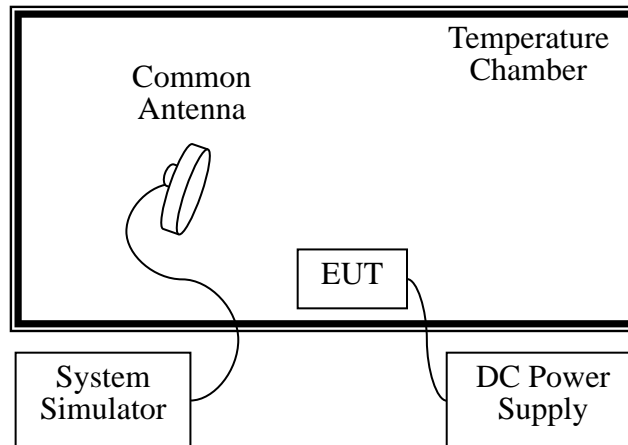
4.4 Description of Test Setup

4.4.1 For Antenna Port Test



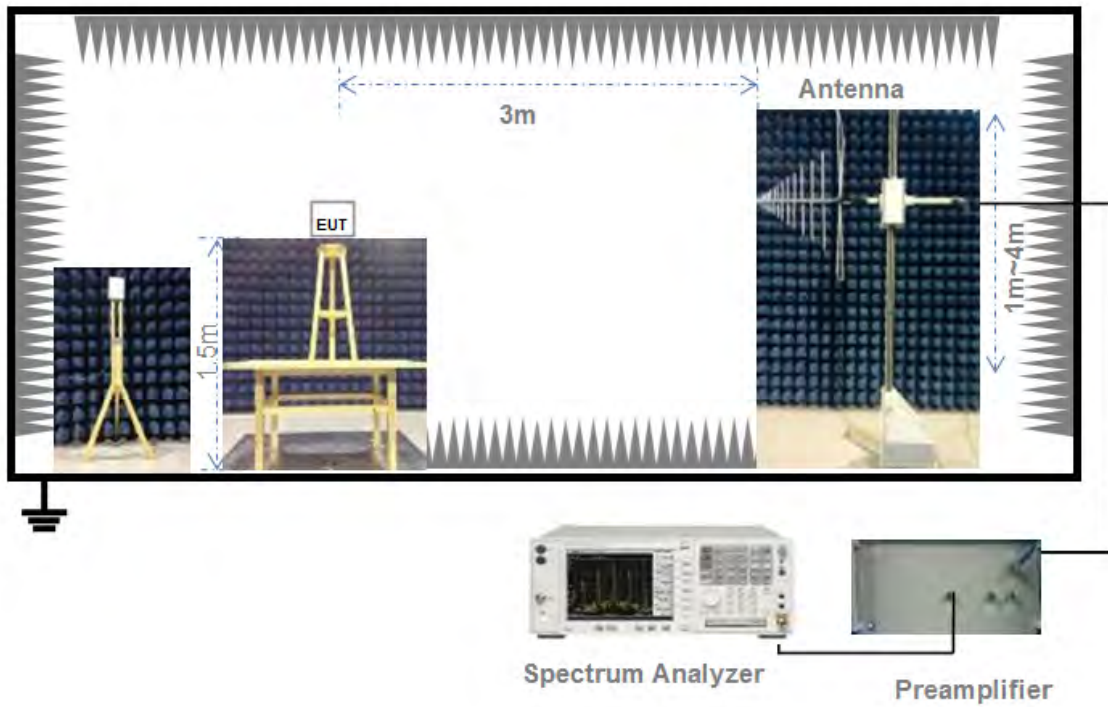
(Diagram 1)

4.4.2 For Frequency Stability Test



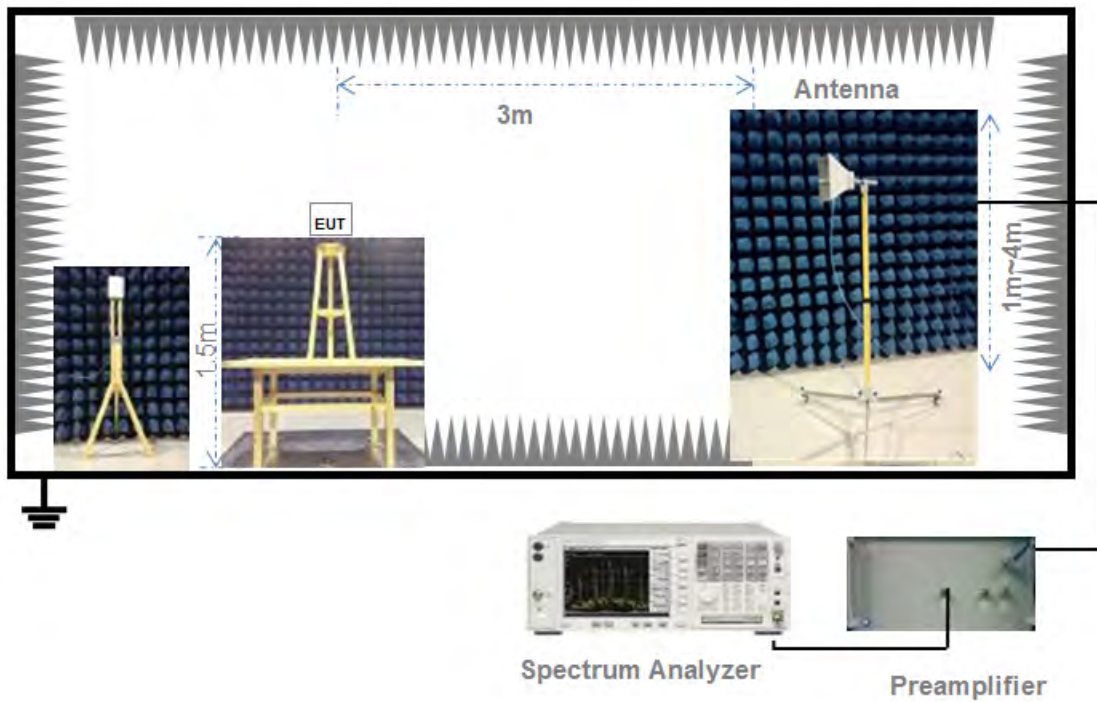
(Diagram 2)

4.4.3 For Radiated Test (30 MHz-1 GHz)



(Diagram 3)

4.4.4 For Radiated Test (Above 1 GHz)



(Diagram 4)

5 TEST ITEMS

5.1 Transmitter Radiated Power (EIRP/ERP)

5.1.1 Limit

FCC §2.1046(a) & 22.913 & 24.232 & 27.50(d) & 27.50(h)

According to FCC section 22.913, the Effective Radiated Power (ERP) of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts, FCC section 24.232, Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

FCC section 27.50(d), Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP. Fixed stations operating in the 1710-1755 MHz band are limited to a maximum antenna height of 10 meters above ground. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications, and FCC section 27.50(h) Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

5.1.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.1.3 Test Procedure

Description of the Conducted Output Power 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.

Note: Reference test setup 4.4.1 (Diagram 1)

Description of the Transmitter Radiated Power Measurement

In many cases, the RF output power limits for licensed digital transmission devices is specified in terms of effective radiated power (ERP) or equivalent isotropic radiated power (EIRP). Typically, ERP is specified when the operating frequency is less than or equal to 1 GHz and EIRP is specified when the operating frequency is greater than 1 GHz. Both are determined by adding the transmit antenna gain to the conducted RF output power with the primary difference between the two being that when determining the ERP, the transmit antenna gain is referenced to a dipole antenna (i.e., dBd) whereas when determining the EIRP, the transmit antenna gain is referenced to an isotropic antenna (dBi).

The relevant equation for determining the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

$$\text{ERP/EIRP} = \text{PMeas} + \text{GT} - \text{LC}$$

where:

ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as PMeas, typically dBW or dBm);

PMeas = measured transmitter output power or PSD, in dBm or dBW;

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

$\text{dBd (ERP)} = \text{dBi} - 2.15$

LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

For devices utilizing multiple antennas, KDB 662911 provides guidance for determining the effective array transmit antenna gain term to be used in the above equation.

Note: Reference test setup 4.4.3 and 4.4.4 (Diagram 3, 4)

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Peak to average ratio

5.2.1 Limit

FCC § 2.1046 & 24.232 & 27.50(d)

In addition, the peak-to-average power ratio (PAPR) of the transmitter shall not exceed 13 dB for more than 0.1% of the time using a signal corresponding to the highest PAPR during periods of continuous transmission.

Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with 24.232 (e) of this section. In both instances, equipment employed must be authorized in accordance with the provisions of § 24.51. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

Peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms equivalent voltage. The measurement results shall be properly adjusted for any instrument limitations, such as detector response times, limited resolution bandwidth capability when compared to the emission bandwidth, sensitivity, etc., so as to obtain a true peak measurement for the emission in question over the full bandwidth of the channel.

5.2.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.2.3 Test Procedure

Here the lowest, middle and highest channels are selected to perform testing to verify the peak-to-average ratio.

Test procedures:

- a) Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;
- b) Set resolution/measurement bandwidth \geq signal's occupied bandwidth;
- c) Set the number of counts to a value that stabilizes the measured CCDF curve;
- d) Set the measurement interval as follows:
 - 1) for continuous transmissions, set to 1 ms,
 - 2) for burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize and set the measurement interval to a time that is less than or equal to the burst duration.
- e) Record the maximum PAPR level associated with a probability of 0.1%.

Use one of the procedures presented in 4.1 to measure the total peak power and record as PPk. Use one of the applicable procedures presented 4.2 to measure the total average power and record as PAvg. Both the peak and average power levels must be expressed in the same logarithmic units (e.g., dBm). Determine the PAPR from:

$$\text{PAPR (dB)} = \text{PPk (dBm)} - \text{PAvg (dBm)}.$$

Note: Reference test setup 4.4.1 (Diagram 1).

5.2.4 Test Result

Please refer to ANNEX A.2.

5.3 Occupied Bandwidth

5.3.1 Limit

FCC § 2.1049

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission.

Occupied bandwidth is also known as the 99% emission bandwidth

5.3.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.3.3 Test Procedure

The following procedure shall be used for measuring (99 %) power bandwidth

- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts (i.e., two to five times the OBW).
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
- c) Set the reference level of the instrument as required to keep the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope must be at least $10\log(\text{OBW} / \text{RBW})$ below the reference level.
- d) NOTE—Steps a) through c) may require iteration to adjust within the specified tolerances.
- e) Set the detection mode to peak, and the trace mode to max hold..
- f) Use the 99 % power bandwidth function of the spectrum analyzer (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99 % power bandwidth function, the trace data points are to be recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99 % power bandwidth is the difference between these two frequencies.
- h) The OBW shall be reported by providing plot(s) of the measuring instrument display. The frequency and amplitude axes and scale shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

Note: Reference test setup 4.4.1 (Diagram 1).

5.3.4 Test Result

Please refer to ANNEX A.3.

5.4 Frequency Stability

5.4.1 Limit

FCC § 2.1055 & 22.355 & 24.235 & 27.54

§ 22.355

Except as otherwise provided in this part, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table C-1 of this section.

Table C-1—Frequency Tolerance for Transmitters in the Public Mobile Services

Frequency range (MHz)	Base, fixed (ppm)	Mobile > 3 watts (ppm)	Mobile ≤ 3 watts (ppm)
25 to 50	20.0	20.0	50.0
50 to 450	5.0	5.0	50.0
450 to 512	2.5	5.0	5.0
821 to 896	1.5	2.5	2.5
928 to 929	5.0	n/a	n/a
929 to 960	1.5	n/a	n/a
2110 to 2220	10.0	n/a	n/a

& 24.235

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

& 27.54

The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

The test conditions are:

- (a) The temperature is varied from -30°C to +50°C at intervals of not more than 10°C.
- (b) For hand carried battery powered equipment, the primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacture. The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided.

5.4.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.4.3 Test Procedure

1. The test is performed in a Temperature Chamber.
2. The EUT is configured as MS + DC Power Supply.

Note: Reference test setup 4.4.2 (Diagram 2).

5.4.4 Test Result

Please refer to ANNEX A.4.

5.5 Spurious Emission at Antenna Terminals

5.5.1 Limit

FCC §2.1051 & 22.917(a) & 24.238(a) & 27.53(h) & 27.53(m)

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43+10*\log(P)$ dB. This calculated to be -13 dBm.

Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10} (P)$ dB.

5.5.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.5.3 Test Procedure

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. On any frequency outside a licensee's frequency block, the power of any emission shall be attenuated below the transmitter power (P) by at least $43 + 10 \log(P)$ dB. Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.

Note: Reference test setup 4.4.1 (Diagram 1).

5.5.4 Test Result

Please refer to ANNEX A.5.

5.6 Band Edge

5.6.1 Limit

FCC § 2.1051 & 22.917(b) & 24.238(b) & 27.53(h) & 27.53(m)

The power of any emission outside of the authorized operating frequency must be attenuated below the transmitting (P) by a factor of at least $43+10\log(P)$ dB.

In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth (26 dB emission bandwidth) of the fundamental emission of the transmitter may be employed.

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

5.6.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.6.3 Test Procedure

The EUT, which is powered by the Battery, is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50 Ohm; the path loss as the factor is calibrated to correct the reading.

1. The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.
2. The center of the spectrum analyzer was set to block edge frequency.

Note: Reference test setup 4.4.1 (Diagram 1).

5.6.4 Test Result

Please refer to ANNEX A.6.

5.7 Field Strength of Spurious Radiation

5.7.1 Limit

FCC § 2.1053 & 22.917 & 24.238 & 27.53(h) & 27.53(m)

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43+10\log(P)$ dB. This calculated to be -13 dBm.

FCC § 27.53(h)

(1) General protection levels. Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.

(2) Additional protection levels. Notwithstanding the foregoing paragraph (h)(1) of this section:

- (i) Operations in the 2180-2200 MHz band are subject to the out-of-band emission requirements set forth in § 27.1134 for the protection of federal government operations operating in the 2200-2290 MHz band.
- (ii) For operations in the 2000-2020 MHz band, the power of any emissions below 2000 MHz shall be attenuated below the transmitter power (P) in watts by at least $70 + 10 \log_{10}(P)$ dB.
- (iii) For operations in the 1915-1920 MHz band, the power of any emission between 1930-1995 MHz shall be attenuated below the transmitter power (P) in watts by at least $70 + 10 \log_{10}(P)$ dB.
- (iv) For operations in the 1995-2000 MHz band, the power of any emission between 2005-2020 MHz shall be attenuated below the transmitter power (P) in watts by at least $70 + 10 \log_{10}(P)$ dB.

FCC §27.53(m)

For mobile digital stations, the attenuation factor shall be not less than:

- $40+10\log P$ dB (-10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge.
- $43+10\log P$ dB (-13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge.
- $55++10\log P$ dB (-25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB).

5.7.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.7.3 Test Procedure

1. On a test site, the EUT shall be placed at 80cm height on a turn table, and in the position close to normal use as declared by the applicant.
2. The test antenna shall be oriented initially for vertical polarization located 3 m from EUT to correspond to the fundamental frequency of the transmitter.
3. The output of the test antenna shall be connected to the measuring receiver and the peak detector is used for the measurement.
4. During the measurement of the EUT, the resolution bandwidth was to 1 MHz and the average bandwidth was set to 1 MHz.
5. The transmitter shall be switched on; the measuring receiver shall be tuned to the frequency of the transmitter under test.
6. The test antenna shall be raised and lowered through the specified range of height until the maximum signal level is detected by the measuring receiver.

7. The transmitter shall be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver.
8. The test antenna shall be raised and lowered again through the specified range of height until the maximum signal level is detected by the measuring receiver.
9. The maximum signal level detected by the measuring receiver shall be noted.
10. The EUT was replaced by half-wave dipole (824 ~ 849 MHz) or horn antenna (1 850 ~ 1 910 MHz) connected to a signal generator.
11. In necessary, the input attenuator setting on the measuring receiver shall be adjusted in order to increase the sensitivity of the measuring receiver.
12. The test antenna shall be raised and lowered through the specified range of height to ensure that the maximum signal is received.
13. The input signal to the substitution antenna shall be adjusted to the level that produces a level detected by the measuring receiver, which is equal to the level noted while the transmitter radiated power was measured, corrected for the change of input attenuator setting of the measuring receiver.
14. The input level to the substitution antenna shall be recorded as power level in dBm, corrected for any change of input attenuator setting of the measuring receiver.
15. The measurement shall be repeated with the test antenna and the substitution antenna orientated for horizontal polarization.

Note: Reference test setup 4.4.3 and 4.4.4 (Diagram 3, 4)

5.7.4 Test Result

Please refer to ANNEX A.7.

ANNEX A TEST RESULT

A.1 Transmitter Radiated Power (EIRP/ERP)

GSM Mode Test Data

Test Band	Test Channel	Conducted Output Peak Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
GSM 850	LCH	33.00	0.5	-1.65	31.35	1.36	7.00	Pass
	MCH	33.02	0.5	-1.65	31.37	1.37	7.00	Pass
	HCH	33.07	0.5	-1.65	31.42	1.39	7.00	Pass
GPRS 850	LCH	32.99	0.5	-1.65	31.34	1.36	7.00	Pass
	MCH	32.98	0.5	-1.65	31.33	1.36	7.00	Pass
	HCH	33.02	0.5	-1.65	31.37	1.37	7.00	Pass
EGPRS 850	LCH	29.71	0.5	-1.65	28.06	0.64	7.00	Pass
	MCH	29.50	0.5	-1.65	27.85	0.61	7.00	Pass
	HCH	29.54	0.5	-1.65	27.89	0.62	7.00	Pass

Test Band	Test Channel	Conducted Output Peak Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
GSM 1900	LCH	30.44	1.1	31.54	1.43	2.00	Pass
	MCH	30.52	1.1	31.62	1.45	2.00	Pass
	HCH	30.56	1.1	31.66	1.47	2.00	Pass
GPRS 1900	LCH	30.41	1.1	31.51	1.42	2.00	Pass
	MCH	30.49	1.1	31.59	1.44	2.00	Pass
	HCH	30.51	1.1	31.61	1.45	2.00	Pass
EGPRS 1900	LCH	28.95	1.1	30.05	1.01	2.00	Pass
	MCH	28.89	1.1	29.99	1.00	2.00	Pass
	HCH	28.80	1.1	29.90	0.98	2.00	Pass

Note 1: For the GPRS and EGPRS mode, all the slots were tested and just the worst data was record in this table.

Note 2: $ERP/EIRP = P_{Meas} + GT - LC$

ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as P_{Meas} , typically dBW or dBm);

P_{Meas} = measured transmitter output power or PSD, in dBm or dBW;

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

$ERP = EIRP - 2.15$; where ERP and EIRP are expressed in consistent units.

GPRS Conducted output power

Band	Channel	Conducted Output Peak Power							
		Slot 1 (dBm)	Slot 1 (W)	Slot 2 (dBm)	Slot 2 (W)	Slot 3 (dBm)	Slot 3 (W)	Slot 4 (dBm)	Slot 4 (W)
GPRS 850	LCH	32.99	1.99	30.99	1.26	29.26	0.84	27.65	0.58
	MCH	32.98	1.99	30.93	1.24	29.20	0.83	27.52	0.56
	HCH	33.02	2.00	30.68	1.17	28.93	0.78	27.57	0.57
GPRS 1900	LCH	30.41	1.10	27.56	0.57	26.57	0.45	25.05	0.32
	MCH	30.49	1.12	27.64	0.58	26.62	0.46	25.09	0.32
	HCH	30.51	1.12	27.75	0.60	26.69	0.47	25.08	0.32

EGPRS Conducted output power

Band	Channel	Conducted Output Peak Power							
		Slot 1 (dBm)	Slot 1 (W)	Slot 2 (dBm)	Slot 2 (W)	Slot 3 (dBm)	Slot 3 (W)	Slot 4 (dBm)	Slot 4 (W)
EGPRS 850	LCH	29.71	0.94	27.61	0.58	26.58	0.45	26.45	0.44
	MCH	29.50	0.89	27.42	0.55	26.28	0.42	26.32	0.43
	HCH	29.54	0.90	27.46	0.56	26.28	0.42	26.31	0.43
EGPRS 1900	LCH	28.95	0.79	27.78	0.60	26.68	0.47	25.64	0.37
	MCH	28.89	0.77	27.76	0.60	26.60	0.46	25.61	0.36
	HCH	28.80	0.76	27.65	0.58	26.63	0.46	25.53	0.36

WCDMA Mode Test data:

Test Band	Test Channel	Conducted Output Average Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
WCDMA Band 2	LCH	23.72	1.1	24.82	0.30	2.00	Pass
	MCH	23.70	1.1	24.80	0.30	2.00	Pass
	HCH	23.85	1.1	24.95	0.31	2.00	Pass
HSDPA Band 2	LCH	22.75	1.1	23.85	0.24	2.00	Pass
	MCH	22.62	1.1	23.72	0.24	2.00	Pass
	HCH	22.81	1.1	23.91	0.25	2.00	Pass
HSUPA Band 2	LCH	22.43	1.1	23.53	0.23	2.00	Pass
	MCH	22.69	1.1	23.79	0.24	2.00	Pass
	HCH	22.92	1.1	24.02	0.25	2.00	Pass

Test Band	Test Channel	Conducted Output Average Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
WCDMA Band 4	LCH	23.23	1.1	24.33	0.27	2.00	Pass
	MCH	23.28	1.1	24.38	0.27	2.00	Pass
	HCH	23.24	1.1	24.34	0.27	2.00	Pass
HSDPA Band 4	LCH	22.14	1.1	23.24	0.21	2.00	Pass
	MCH	22.34	1.1	23.44	0.22	2.00	Pass
	HCH	22.33	1.1	23.43	0.22	2.00	Pass
HSUPA Band 4	LCH	22.41	1.1	23.51	0.22	2.00	Pass
	MCH	22.30	1.1	23.40	0.22	2.00	Pass
	HCH	22.42	1.1	23.52	0.22	2.00	Pass

Test Band	Test Channel	Conducted Output Average Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
WCDMA Band 5	LCH	22.80	0.5	-1.65	23.30	0.21	7.00	Pass
	MCH	22.95	0.5	-1.65	23.45	0.22	7.00	Pass
	HCH	23.01	0.5	-1.65	23.51	0.22	7.00	Pass
HSDPA Band 5	LCH	22.08	0.5	-1.65	22.58	0.18	7.00	Pass
	MCH	21.92	0.5	-1.65	22.42	0.17	7.00	Pass
	HCH	21.99	0.5	-1.65	22.49	0.18	7.00	Pass
HSUPA Band 5	LCH	21.89	0.5	-1.65	22.39	0.17	7.00	Pass
	MCH	21.76	0.5	-1.65	22.26	0.17	7.00	Pass
	HCH	21.99	0.5	-1.65	22.49	0.18	7.00	Pass

Note 2: For the HSDPA and HSUPA mode, all the subtests were tested and just the worst data was record in this table.

Note 2: $ERP/EIRP = P_{Meas} + GT - LC$

ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as P_{Meas} , typically dBW or dBm);

P_{Meas} = measured transmitter output power or PSD, in dBm or dBW;

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

$ERP = EIRP - 2.15$; where ERP and EIRP are expressed in consistent units.

HSDPA Conducted output power

Band	Channel	Conducted Output Average Power (dBm)							
		Subtest 1(dBm)	Subtest 1(W)	Subtest 2(dBm)	Subtest 2(W)	Subtest 3(dBm)	Subtest 3(W)	Subtest 4(dBm)	Subtest 4(W)
HSDPA Band 2	LCH	22.75	0.19	22.78	0.19	22.10	0.16	22.29	0.17
	MCH	22.62	0.18	22.61	0.18	21.99	0.16	21.94	0.16
	HCH	22.81	0.19	22.80	0.19	22.32	0.17	22.23	0.17
HSDPA Band 4	LCH	22.33	0.17	22.14	0.16	21.90	0.15	21.91	0.16
	MCH	22.26	0.17	22.34	0.17	21.82	0.15	21.85	0.15
	HCH	22.25	0.17	22.33	0.17	21.83	0.15	21.66	0.15
HSDPA Band 5	LCH	22.08	0.16	22.00	0.16	21.61	0.14	21.60	0.14
	MCH	21.92	0.16	21.96	0.16	21.47	0.14	21.47	0.14
	HCH	21.99	0.16	21.96	0.16	21.53	0.14	21.53	0.14

HSUPA Conducted output power

Band	Channel	Conducted Output Average Power									
		Subtest 1(dBm)	Subtest 1(W)	Subtest 2(dBm)	Subtest 2(W)	Subtest 3(dBm)	Subtest 3(W)	Subtest 4(dBm)	Subtest 4(W)	Subtest 5(dBm)	Subtest 5(W)
HSUPA Band 2	LCH	22.43	0.17	21.19	0.13	21.66	0.15	21.48	0.14	22.51	0.18
	MCH	22.69	0.19	21.42	0.14	21.72	0.15	21.69	0.15	22.40	0.17
	HCH	22.92	0.20	21.69	0.15	21.23	0.13	21.90	0.15	22.59	0.18
HSUPA Band 4	LCH	22.06	0.16	20.92	0.12	21.02	0.13	21.24	0.13	22.41	0.17
	MCH	22.19	0.17	20.71	0.12	21.17	0.13	21.09	0.13	22.30	0.17
	HCH	22.25	0.17	20.94	0.12	21.12	0.13	21.22	0.13	22.42	0.17
HSUPA Band 5	LCH	21.38	0.14	20.58	0.11	20.79	0.12	21.00	0.13	21.89	0.15
	MCH	21.26	0.13	20.66	0.12	20.84	0.12	20.88	0.12	21.76	0.15
	HCH	21.47	0.14	20.44	0.11	20.61	0.12	21.23	0.13	21.99	0.16

LTE Mode Test data:

Test Band	Test Model	Test Bandwidth	Test Channel	Test RB (Size#Offset)	Conducted Output Average Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
Band 2	QPSK	1.4 MHz	LCH	RB1#0	23.25	1.1	24.35	0.27	1.00	Pass
				RB1#3	23.55	1.1	24.65	0.29	1.00	Pass
				RB1#5	23.42	1.1	24.52	0.28	1.00	Pass
				RB3#0	23.31	1.1	24.41	0.28	1.00	Pass
				RB3#2	23.44	1.1	24.54	0.28	1.00	Pass
				RB3#3	23.29	1.1	24.39	0.27	1.00	Pass
				RB6#0	22.29	1.1	23.39	0.22	1.00	Pass
			MCH	RB1#0	23.11	1.1	24.21	0.26	1.00	Pass
				RB1#3	23.27	1.1	24.37	0.27	1.00	Pass
				RB1#5	23.02	1.1	24.12	0.26	1.00	Pass
				RB3#0	23.16	1.1	24.26	0.27	1.00	Pass
				RB3#2	23.10	1.1	24.20	0.26	1.00	Pass
				RB3#3	23.15	1.1	24.25	0.27	1.00	Pass
				RB6#0	22.21	1.1	23.31	0.21	1.00	Pass
			HCH	RB1#0	23.23	1.1	24.33	0.27	1.00	Pass
				RB1#3	23.77	1.1	24.87	0.31	1.00	Pass
				RB1#5	23.47	1.1	24.57	0.29	1.00	Pass
				RB3#0	23.40	1.1	24.50	0.28	1.00	Pass
				RB3#2	23.45	1.1	24.55	0.29	1.00	Pass
				RB3#3	23.54	1.1	24.64	0.29	1.00	Pass
				RB6#0	22.44	1.1	23.54	0.23	1.00	Pass
		3 MHz	LCH	RB1#0	23.53	1.1	24.63	0.29	1.00	Pass
				RB1#7	23.48	1.1	24.58	0.29	1.00	Pass
				RB1#14	23.51	1.1	24.61	0.29	1.00	Pass
				RB8#0	22.38	1.1	23.48	0.22	1.00	Pass
				RB8#4	22.49	1.1	23.59	0.23	1.00	Pass
				RB8#7	22.40	1.1	23.50	0.22	1.00	Pass
				RB15#0	22.49	1.1	23.59	0.23	1.00	Pass
			MCH	RB1#0	23.27	1.1	24.37	0.27	1.00	Pass
				RB1#7	23.10	1.1	24.20	0.26	1.00	Pass
				RB1#14	23.27	1.1	24.37	0.27	1.00	Pass
				RB8#0	22.21	1.1	23.31	0.21	1.00	Pass
				RB8#4	22.24	1.1	23.34	0.22	1.00	Pass
				RB8#7	22.18	1.1	23.28	0.21	1.00	Pass
				RB15#0	22.24	1.1	23.34	0.22	1.00	Pass
			HCH	RB1#0	23.55	1.1	24.65	0.29	1.00	Pass
				RB1#7	23.25	1.1	24.35	0.27	1.00	Pass
				RB1#14	23.45	1.1	24.55	0.29	2.00	Pass
				RB8#0	22.43	1.1	23.53	0.23	2.00	Pass
				RB8#4	22.38	1.1	23.48	0.22	2.00	Pass

Test Band	Test Model	Test Bandwidth	Test Channel	Test RB (Size#Offset)	Conducted Output Average Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
				RB8#7	22.39	1.1	23.49	0.22	2.00	Pass
				RB15#0	22.38	1.1	23.48	0.22	2.00	Pass
		5 MHz	LCH	RB1#0	23.33	1.1	24.43	0.28	2.00	Pass
				RB1#13	23.53	1.1	24.63	0.29	2.00	Pass
				RB1#24	23.49	1.1	24.59	0.29	2.00	Pass
				RB12#0	22.49	1.1	23.59	0.23	2.00	Pass
				RB12#6	22.51	1.1	23.61	0.23	2.00	Pass
				RB12#13	22.50	1.1	23.60	0.23	2.00	Pass
				RB25#0	22.47	1.1	23.57	0.23	2.00	Pass
				MCH	RB1#0	23.37	1.1	24.47	0.28	2.00
			RB1#13		23.01	1.1	24.11	0.26	2.00	Pass
			RB1#24		23.21	1.1	24.31	0.27	2.00	Pass
			RB12#0		22.18	1.1	23.28	0.21	2.00	Pass
			RB12#6		22.17	1.1	23.27	0.21	2.00	Pass
			RB12#13		22.16	1.1	23.26	0.21	2.00	Pass
			HCH	RB25#0	22.21	1.1	23.31	0.21	2.00	Pass
				RB1#0	23.35	1.1	24.45	0.28	2.00	Pass
				RB1#13	23.07	1.1	24.17	0.26	2.00	Pass
				RB1#24	23.29	1.1	24.39	0.27	2.00	Pass
				RB12#0	22.33	1.1	23.43	0.22	2.00	Pass
		RB12#6		22.51	1.1	23.61	0.23	2.00	Pass	
		10 MHz	LCH	RB12#13	22.41	1.1	23.51	0.22	2.00	Pass
				RB25#0	22.34	1.1	23.44	0.22	2.00	Pass
				RB1#0	23.73	1.1	24.83	0.30	2.00	Pass
				RB1#25	23.49	1.1	24.59	0.29	2.00	Pass
				RB1#49	23.58	1.1	24.68	0.29	2.00	Pass
				RB25#0	22.64	1.1	23.74	0.24	2.00	Pass
				RB25#13	22.60	1.1	23.70	0.23	2.00	Pass
			MCH	RB25#25	22.55	1.1	23.65	0.23	2.00	Pass
				RB50#0	22.59	1.1	23.69	0.23	2.00	Pass
				RB1#0	23.52	1.1	24.62	0.29	2.00	Pass
				RB1#25	23.27	1.1	24.37	0.27	2.00	Pass
RB1#49	23.43			1.1	24.53	0.28	2.00	Pass		
RB25#0	22.30			1.1	23.40	0.22	2.00	Pass		
RB25#13	22.33			1.1	23.43	0.22	2.00	Pass		
HCH	RB25#25		22.32	1.1	23.42	0.22	2.00	Pass		
	RB50#0		22.21	1.1	23.31	0.21	2.00	Pass		
	RB1#0	23.64	1.1	24.74	0.30	2.00	Pass			
	RB1#25	23.50	1.1	24.60	0.29	2.00	Pass			
				RB1#49	23.55	1.1	24.65	0.29	2.00	Pass
				RB25#0	22.52	1.1	23.62	0.23	2.00	Pass

Test Band	Test Model	Test Bandwidth	Test Channel	Test RB (Size#Offset)	Conducted Output Average Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
		15 MHz		RB25#13	22.37	1.1	23.47	0.22	2.00	Pass
				RB25#25	22.39	1.1	23.49	0.22	2.00	Pass
				RB50#0	22.35	1.1	23.45	0.22	2.00	Pass
			LCH	RB1#0	23.60	1.1	24.70	0.30	2.00	Pass
				RB1#38	23.28	1.1	24.38	0.27	2.00	Pass
				RB1#74	23.73	1.1	24.83	0.30	2.00	Pass
				RB36#0	22.67	1.1	23.77	0.24	2.00	Pass
				RB36#19	22.66	1.1	23.76	0.24	2.00	Pass
				RB36#39	22.57	1.1	23.67	0.23	2.00	Pass
		RB75#0		22.59	1.1	23.69	0.23	2.00	Pass	
		MCH		RB1#0	23.82	1.1	24.92	0.31	2.00	Pass
				RB1#38	23.20	1.1	24.30	0.27	2.00	Pass
			RB1#74	23.36	1.1	24.46	0.28	2.00	Pass	
			RB36#0	22.36	1.1	23.46	0.22	2.00	Pass	
			RB36#19	22.30	1.1	23.40	0.22	2.00	Pass	
			RB36#39	22.25	1.1	23.35	0.22	2.00	Pass	
		HCH	RB75#0	22.28	1.1	23.38	0.22	2.00	Pass	
			RB1#0	23.89	1.1	24.99	0.32	2.00	Pass	
			RB1#38	23.49	1.1	24.59	0.29	2.00	Pass	
			RB1#74	23.58	1.1	24.68	0.29	2.00	Pass	
			RB36#0	22.57	1.1	23.67	0.23	2.00	Pass	
			RB36#19	22.51	1.1	23.61	0.23	2.00	Pass	
		20 MHz	LCH	RB36#39	22.44	1.1	23.54	0.23	2.00	Pass
				RB75#0	22.5	1.1	23.60	0.23	2.00	Pass
				RB1#0	23.76	1.1	24.86	0.31	2.00	Pass
				RB1#50	23.42	1.1	24.52	0.28	2.00	Pass
				RB1#99	23.45	1.1	24.55	0.29	2.00	Pass
				RB50#0	22.51	1.1	23.61	0.23	2.00	Pass
			MCH	RB50#25	22.46	1.1	23.56	0.23	2.00	Pass
				RB50#50	22.40	1.1	23.50	0.22	2.00	Pass
RB100#0	22.49			1.1	23.59	0.23	2.00	Pass		
RB1#0	23.20			1.1	24.30	0.27	2.00	Pass		
RB1#50	23.01			1.1	24.11	0.26	2.00	Pass		
RB1#99	22.81			1.1	23.91	0.25	2.00	Pass		
HCH	RB50#0		22.27	1.1	23.37	0.22	2.00	Pass		
	RB50#25		22.22	1.1	23.32	0.21	2.00	Pass		
	RB50#50		22.11	1.1	23.21	0.21	2.00	Pass		
	RB100#0		22.19	1.1	23.29	0.21	2.00	Pass		
	RB1#0		23.51	1.1	24.61	0.29	2.00	Pass		
	RB1#50		23.41	1.1	24.51	0.28	2.00	Pass		
			RB1#99	23.31	1.1	24.41	0.28	2.00	Pass	

Test Band	Test Model	Test Bandwidth	Test Channel	Test RB (Size#Offset)	Conducted Output Average Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict	
	16-QAM			RB50#0	22.44	1.1	23.54	0.23	2.00	Pass	
				RB50#25	22.32	1.1	23.42	0.22	2.00	Pass	
				RB50#50	22.32	1.1	23.42	0.22	2.00	Pass	
				RB100#0	22.39	1.1	23.49	0.22	2.00	Pass	
		1.4 MHz	LCH	RB1#0	23.05	1.1	24.15	0.26	2.00	Pass	
				RB1#3	23.07	1.1	24.17	0.26	2.00	Pass	
				RB1#5	23.04	1.1	24.14	0.26	2.00	Pass	
				RB3#0	22.57	1.1	23.67	0.23	2.00	Pass	
				RB3#2	22.61	1.1	23.71	0.23	2.00	Pass	
				RB3#3	22.12	1.1	23.22	0.21	2.00	Pass	
			RB6#0	21.00	1.1	22.10	0.16	2.00	Pass		
			MCH	RB1#0	22.68	1.1	23.78	0.24	2.00	Pass	
				RB1#3	22.46	1.1	23.56	0.23	2.00	Pass	
				RB1#5	22.36	1.1	23.46	0.22	2.00	Pass	
				RB3#0	22.10	1.1	23.20	0.21	2.00	Pass	
				RB3#2	22.24	1.1	23.34	0.22	2.00	Pass	
				RB3#3	22.09	1.1	23.19	0.21	2.00	Pass	
			RB6#0	20.75	1.1	21.85	0.15	2.00	Pass		
			HCH	RB1#0	22.56	1.1	23.66	0.23	2.00	Pass	
				RB1#3	22.42	1.1	23.52	0.22	2.00	Pass	
				RB1#5	22.53	1.1	23.63	0.23	2.00	Pass	
				RB3#0	22.72	1.1	23.82	0.24	2.00	Pass	
				RB3#2	22.82	1.1	23.92	0.25	2.00	Pass	
				RB3#3	22.20	1.1	23.30	0.21	2.00	Pass	
			RB6#0	21.41	1.1	22.51	0.18	2.00	Pass		
			3 MHz	LCH	RB1#0	22.96	1.1	24.06	0.25	2.00	Pass
					RB1#7	22.60	1.1	23.70	0.23	2.00	Pass
					RB1#14	23.32	1.1	24.42	0.28	2.00	Pass
		RB8#0			21.69	1.1	22.79	0.19	2.00	Pass	
		RB8#4			21.70	1.1	22.80	0.19	2.00	Pass	
		RB8#7			21.07	1.1	22.17	0.16	2.00	Pass	
		RB15#0		21.33	1.1	22.43	0.17	2.00	Pass		
		MCH		RB1#0	22.52	1.1	23.62	0.23	2.00	Pass	
				RB1#7	22.17	1.1	23.27	0.21	2.00	Pass	
				RB1#14	22.41	1.1	23.51	0.22	2.00	Pass	
				RB8#0	21.17	1.1	22.27	0.17	2.00	Pass	
				RB8#4	21.34	1.1	22.44	0.18	2.00	Pass	
				RB8#7	21.13	1.1	22.23	0.17	2.00	Pass	
		RB15#0		21.04	1.1	22.14	0.16	2.00	Pass		
		HCH		RB1#0	22.58	1.1	23.68	0.23	2.00	Pass	
RB1#7	22.30			1.1	23.40	0.22	2.00	Pass			

Test Band	Test Model	Test Bandwidth	Test Channel	Test RB (Size#Offset)	Conducted Output Average Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
		5 MHz		RB1#14	22.58	1.1	23.68	0.23	2.00	Pass
				RB8#0	21.16	1.1	22.26	0.17	2.00	Pass
				RB8#4	21.20	1.1	22.30	0.17	2.00	Pass
				RB8#7	21.62	1.1	22.72	0.19	2.00	Pass
				RB15#0	21.29	1.1	22.39	0.17	2.00	Pass
			LCH	RB1#0	22.30	1.1	23.40	0.22	2.00	Pass
				RB1#13	21.80	1.1	22.90	0.19	2.00	Pass
				RB1#24	22.32	1.1	23.42	0.22	2.00	Pass
				RB12#0	21.31	1.1	22.41	0.17	2.00	Pass
				RB12#6	21.40	1.1	22.50	0.18	2.00	Pass
				RB12#13	21.49	1.1	22.59	0.18	2.00	Pass
			MCH	RB25#0	21.31	1.1	22.41	0.17	2.00	Pass
				RB1#0	22.76	1.1	23.86	0.24	2.00	Pass
				RB1#13	22.24	1.1	23.34	0.22	2.00	Pass
				RB1#24	22.73	1.1	23.83	0.24	2.00	Pass
		RB12#0		21.07	1.1	22.17	0.16	2.00	Pass	
		RB12#6		21.39	1.1	22.49	0.18	2.00	Pass	
		HCH	RB12#13	21.08	1.1	22.18	0.17	2.00	Pass	
			RB25#0	21.13	1.1	22.23	0.17	2.00	Pass	
			RB1#0	22.38	1.1	23.48	0.22	2.00	Pass	
			RB1#13	22.59	1.1	23.69	0.23	2.00	Pass	
			RB1#24	22.90	1.1	24.00	0.25	2.00	Pass	
			RB12#0	21.16	1.1	22.26	0.17	2.00	Pass	
		10 MHz	LCH	RB12#6	21.42	1.1	22.52	0.18	2.00	Pass
				RB12#13	21.28	1.1	22.38	0.17	2.00	Pass
				RB25#0	21.41	1.1	22.51	0.18	2.00	Pass
				RB1#0	23.17	1.1	24.27	0.27	2.00	Pass
				RB1#25	23.33	1.1	24.43	0.28	2.00	Pass
				RB1#49	23.29	1.1	24.39	0.27	2.00	Pass
			MCH	RB25#0	21.43	1.1	22.53	0.18	2.00	Pass
				RB25#13	21.51	1.1	22.61	0.18	2.00	Pass
				RB25#25	21.60	1.1	22.70	0.19	2.00	Pass
				RB50#0	21.47	1.1	22.57	0.18	2.00	Pass
				RB1#0	22.70	1.1	23.80	0.24	2.00	Pass
				RB1#25	22.60	1.1	23.70	0.23	2.00	Pass
				RB1#49	22.83	1.1	23.93	0.25	2.00	Pass
HCH	RB25#0		21.15	1.1	22.25	0.17	2.00	Pass		
	RB25#13		21.33	1.1	22.43	0.17	2.00	Pass		
	RB25#25	21.10	1.1	22.20	0.17	2.00	Pass			
	RB50#0	21.21	1.1	22.31	0.17	2.00	Pass			
			HCH	RB1#0	22.75	1.1	23.85	0.24	2.00	Pass

Test Band	Test Model	Test Bandwidth	Test Channel	Test RB (Size#Offset)	Conducted Output Average Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
		15 MHz		RB1#25	22.48	1.1	23.58	0.23	2.00	Pass
				RB1#49	22.69	1.1	23.79	0.24	2.00	Pass
				RB25#0	21.50	1.1	22.60	0.18	2.00	Pass
				RB25#13	21.57	1.1	22.67	0.18	2.00	Pass
				RB25#25	21.59	1.1	22.69	0.19	2.00	Pass
				RB50#0	21.49	1.1	22.59	0.18	2.00	Pass
			LCH	RB1#0	23.26	1.1	24.36	0.27	2.00	Pass
				RB1#38	23.01	1.1	24.11	0.26	2.00	Pass
				RB1#74	23.06	1.1	24.16	0.26	2.00	Pass
				RB36#0	21.57	1.1	22.67	0.18	2.00	Pass
				RB36#19	21.43	1.1	22.53	0.18	2.00	Pass
				RB36#39	21.45	1.1	22.55	0.18	2.00	Pass
		MCH	RB75#0	21.59	1.1	22.69	0.19	2.00	Pass	
			RB1#0	22.88	1.1	23.98	0.25	2.00	Pass	
			RB1#38	22.39	1.1	23.49	0.22	2.00	Pass	
			RB1#74	23.18	1.1	24.28	0.27	2.00	Pass	
			RB36#0	21.30	1.1	22.40	0.17	2.00	Pass	
			RB36#19	21.35	1.1	22.45	0.18	2.00	Pass	
		HCH	RB36#39	21.30	1.1	22.40	0.17	2.00	Pass	
			RB75#0	21.35	1.1	22.45	0.18	2.00	Pass	
			RB1#0	23.57	1.1	24.67	0.29	2.00	Pass	
			RB1#38	23.33	1.1	24.43	0.28	2.00	Pass	
			RB1#74	23.24	1.1	24.34	0.27	2.00	Pass	
			RB36#0	21.35	1.1	22.45	0.18	2.00	Pass	
		20 MHz	LCH	RB36#19	21.32	1.1	22.42	0.17	2.00	Pass
				RB36#39	21.41	1.1	22.51	0.18	2.00	Pass
				RB75#0	21.42	1.1	22.52	0.18	2.00	Pass
				RB1#0	23.23	1.1	24.33	0.27	2.00	Pass
				RB1#50	22.35	1.1	23.45	0.22	2.00	Pass
				RB1#99	23.03	1.1	24.13	0.26	2.00	Pass
			MCH	RB50#0	21.41	1.1	22.51	0.18	2.00	Pass
				RB50#25	21.42	1.1	22.52	0.18	2.00	Pass
				RB50#50	21.40	1.1	22.50	0.18	2.00	Pass
				RB100#0	21.39	1.1	22.49	0.18	2.00	Pass
				RB1#0	22.06	1.1	23.16	0.21	2.00	Pass
				RB1#50	22.06	1.1	23.16	0.21	2.00	Pass
RB1#99	22.20	1.1	23.30	0.21	2.00	Pass				
RB50#0	21.27	1.1	22.37	0.17	2.00	Pass				
RB50#25	21.12	1.1	22.22	0.17	2.00	Pass				
RB50#50	21.11	1.1	22.21	0.17	2.00	Pass				
RB100#0	21.10	1.1	22.20	0.17	2.00	Pass				

Test Band	Test Model	Test Bandwidth	Test Channel	Test RB (Size#Offset)	Conducted Output Average Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
Band 4	QPSK	10 MHz	HCH	RB1#0	22.85	1.1	23.95	0.25	2.00	Pass
				RB1#50	22.46	1.1	23.56	0.23	2.00	Pass
				RB1#99	22.32	1.1	23.42	0.22	2.00	Pass
				RB50#0	21.30	1.1	22.40	0.17	2.00	Pass
				RB50#25	21.27	1.1	22.37	0.17	2.00	Pass
				RB50#50	21.26	1.1	22.36	0.17	2.00	Pass
				RB100#0	21.24	1.1	22.34	0.17	2.00	Pass
		15 MHz	LCH	RB1#0	22.00	1.1	23.10	0.20	1.00	Pass
				RB1#25	22.00	1.1	23.10	0.20	1.00	Pass
				RB1#49	22.07	1.1	23.17	0.21	1.00	Pass
				RB25#0	22.04	1.1	23.14	0.21	1.00	Pass
				RB25#13	22.14	1.1	23.24	0.21	1.00	Pass
				RB25#25	22.07	1.1	23.17	0.21	1.00	Pass
				RB50#0	22.04	1.1	23.14	0.21	1.00	Pass
			MCH	RB1#0	23.48	1.1	24.58	0.29	1.00	Pass
				RB1#25	23.50	1.1	24.60	0.29	1.00	Pass
				RB1#49	23.48	1.1	24.58	0.29	1.00	Pass
				RB25#0	22.26	1.1	23.36	0.22	1.00	Pass
				RB25#13	22.25	1.1	23.35	0.22	1.00	Pass
				RB25#25	22.30	1.1	23.40	0.22	1.00	Pass
				RB50#0	22.31	1.1	23.41	0.22	1.00	Pass
HCH	RB1#0		23.37	1.1	24.47	0.28	1.00	Pass		
	RB1#25		23.43	1.1	24.53	0.28	1.00	Pass		
	RB1#49		23.37	1.1	24.47	0.28	1.00	Pass		
	RB25#0		22.27	1.1	23.37	0.22	1.00	Pass		
	RB25#13		22.15	1.1	23.25	0.21	1.00	Pass		
	RB25#25		22.21	1.1	23.31	0.21	1.00	Pass		
	RB50#0		22.19	1.1	23.29	0.21	1.00	Pass		
LCH	RB1#0	23.27	1.1	24.37	0.27	1.00	Pass			
	RB1#38	23.07	1.1	24.17	0.26	1.00	Pass			
	RB1#74	23.08	1.1	24.18	0.26	1.00	Pass			
	RB36#0	22.41	1.1	23.51	0.22	1.00	Pass			
	RB36#19	22.17	1.1	23.27	0.21	1.00	Pass			
	RB36#39	22.25	1.1	23.35	0.22	1.00	Pass			
	RB75#0	22.21	1.1	23.31	0.21	1.00	Pass			
MCH	RB1#0	23.85	1.1	24.95	0.31	1.00	Pass			
	RB1#38	23.17	1.1	24.27	0.27	1.00	Pass			
	RB1#74	23.72	1.1	24.82	0.30	1.00	Pass			
	RB36#0	22.34	1.1	23.44	0.22	1.00	Pass			
	RB36#19	22.26	1.1	23.36	0.22	1.00	Pass			
	RB36#39	22.32	1.1	23.42	0.22	1.00	Pass			

Test Band	Test Model	Test Bandwidth	Test Channel	Test RB (Size#Offset)	Conducted Output Average Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict		
		20 MHz	HCH	RB75#0	22.32	1.1	23.42	0.22	1.00	Pass		
				RB1#0	23.61	1.1	24.71	0.30	1.00	Pass		
				RB1#38	22.93	1.1	24.03	0.25	1.00	Pass		
				RB1#74	23.25	1.1	24.35	0.27	1.00	Pass		
				RB36#0	22.18	1.1	23.28	0.21	1.00	Pass		
				RB36#19	22.14	1.1	23.24	0.21	1.00	Pass		
				RB36#39	22.16	1.1	23.26	0.21	1.00	Pass		
				RB75#0	22.16	1.1	23.26	0.21	1.00	Pass		
			LCH	RB1#0	23.44	1.1	24.54	0.28	1.00	Pass		
				RB1#50	23.24	1.1	24.34	0.27	1.00	Pass		
				RB1#99	23.50	1.1	24.60	0.29	1.00	Pass		
				RB50#0	22.30	1.1	23.40	0.22	1.00	Pass		
				RB50#25	22.25	1.1	23.35	0.22	1.00	Pass		
				RB50#50	22.20	1.1	23.30	0.21	1.00	Pass		
			MCH	RB100#0	22.25	1.1	23.35	0.22	1.00	Pass		
		RB1#0		23.41	1.1	24.51	0.28	1.00	Pass			
		RB1#50		23.12	1.1	24.22	0.26	1.00	Pass			
		RB1#99		23.26	1.1	24.36	0.27	1.00	Pass			
		RB50#0		22.45	1.1	23.55	0.23	1.00	Pass			
		RB50#25		22.32	1.1	23.42	0.22	1.00	Pass			
		HCH	RB50#50	22.34	1.1	23.44	0.22	1.00	Pass			
			RB100#0	22.33	1.1	23.43	0.22	1.00	Pass			
			RB1#0	23.10	1.1	24.20	0.26	1.00	Pass			
			RB1#50	23.17	1.1	24.27	0.27	1.00	Pass			
			RB1#99	23.04	1.1	24.14	0.26	1.00	Pass			
			RB50#0	22.24	1.1	23.34	0.22	1.00	Pass			
		Band 4	16QAM	10 MHz	LCH	RB1#0	22.39	1.1	23.49	0.22	1.00	Pass
						RB1#25	22.92	1.1	24.02	0.25	1.00	Pass
						RB1#49	22.80	1.1	23.90	0.25	1.00	Pass
						RB25#0	21.04	1.1	22.14	0.16	1.00	Pass
RB25#13	21.28					1.1	22.38	0.17	1.00	Pass		
RB25#13	21.00					1.1	22.10	0.16	1.00	Pass		
RB25#25	21.00					1.1	22.10	0.16	1.00	Pass		
MCH	RB1#0				22.66	1.1	23.76	0.24	1.00	Pass		
	RB1#25				22.23	1.1	23.33	0.22	1.00	Pass		
	RB1#49				22.87	1.1	23.97	0.25	1.00	Pass		
	RB25#0				21.20	1.1	22.30	0.17	1.00	Pass		
	RB25#13				21.20	1.1	22.30	0.17	1.00	Pass		

Test Band	Test Model	Test Bandwidth	Test Channel	Test RB (Size#Offset)	Conducted Output Average Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
		15 MHz		RB25#13	21.30	1.1	22.40	0.17	1.00	Pass
				RB25#25	21.32	1.1	22.42	0.17	1.00	Pass
			HCH	RB1#0	22.66	1.1	23.76	0.24	1.00	Pass
				RB1#25	22.20	1.1	23.30	0.21	1.00	Pass
				RB1#49	22.50	1.1	23.60	0.23	1.00	Pass
				RB25#0	21.35	1.1	22.45	0.18	1.00	Pass
				RB25#13	21.14	1.1	22.24	0.17	1.00	Pass
				RB25#13	21.40	1.1	22.50	0.18	1.00	Pass
			RB25#25	21.21	1.1	22.31	0.17	1.00	Pass	
			LCH	RB1#0	22.69	1.1	23.79	0.24	1.00	Pass
				RB1#38	21.94	1.1	23.04	0.20	1.00	Pass
				RB1#74	22.63	1.1	23.73	0.24	1.00	Pass
				RB36#0	21.18	1.1	22.28	0.17	1.00	Pass
				RB36#19	21.05	1.1	22.15	0.16	1.00	Pass
		RB36#39		21.22	1.1	22.32	0.17	1.00	Pass	
		RB75#0	21.19	1.1	22.29	0.17	1.00	Pass		
		MCH	RB1#0	22.78	1.1	23.88	0.24	1.00	Pass	
			RB1#38	22.56	1.1	23.66	0.23	1.00	Pass	
			RB1#74	23.00	1.1	24.10	0.26	1.00	Pass	
			RB36#0	21.27	1.1	22.37	0.17	1.00	Pass	
			RB36#19	21.36	1.1	22.46	0.18	1.00	Pass	
			RB36#39	21.41	1.1	22.51	0.18	1.00	Pass	
		RB75#0	21.32	1.1	22.42	0.17	1.00	Pass		
		HCH	RB1#0	23.36	1.1	24.46	0.28	1.00	Pass	
			RB1#38	22.96	1.1	24.06	0.25	1.00	Pass	
			RB1#74	23.30	1.1	24.40	0.28	1.00	Pass	
			RB36#0	21.01	1.1	22.11	0.16	1.00	Pass	
			RB36#19	20.99	1.1	22.09	0.16	1.00	Pass	
			RB36#39	20.93	1.1	22.03	0.16	1.00	Pass	
		RB75#0	21.17	1.1	22.27	0.17	1.00	Pass		
		20 MHz	LCH	RB1#0	22.26	1.1	23.36	0.22	1.00	Pass
				RB1#50	22.10	1.1	23.20	0.21	1.00	Pass
				RB1#99	22.13	1.1	23.23	0.21	1.00	Pass
				RB50#0	21.43	1.1	22.53	0.18	1.00	Pass
				RB50#25	21.37	1.1	22.47	0.18	1.00	Pass
				RB50#50	21.30	1.1	22.40	0.17	1.00	Pass
			RB100#0	21.32	1.1	22.42	0.17	1.00	Pass	
			MCH	RB1#0	22.25	1.1	23.35	0.22	1.00	Pass
				RB1#50	21.96	1.1	23.06	0.20	1.00	Pass
				RB1#99	22.3	1.1	23.40	0.22	1.00	Pass
RB50#0	21.31	1.1		22.41	0.17	1.00	Pass			

Test Band	Test Model	Test Bandwidth	Test Channel	Test RB (Size#Offset)	Conducted Output Average Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict	
				RB50#25	21.40	1.1	22.50	0.18	1.00	Pass	
				RB50#50	21.44	1.1	22.54	0.18	1.00	Pass	
				RB100#0	21.33	1.1	22.43	0.17	1.00	Pass	
			HCH	RB1#0	22.36	1.1	23.46	0.22	1.00	Pass	
				RB1#50	22.56	1.1	23.66	0.23	1.00	Pass	
				RB1#99	22.41	1.1	23.51	0.22	1.00	Pass	
				RB50#0	21.10	1.1	22.20	0.17	1.00	Pass	
				RB50#25	21.18	1.1	22.28	0.17	1.00	Pass	
				RB50#50	20.79	1.1	21.89	0.15	1.00	Pass	
				RB100#0	21.13	1.1	22.23	0.17	1.00	Pass	
				LCH	RB1#0	22.38	1.1	23.48	0.22	2.00	Pass
					RB1#13	22.26	1.1	23.36	0.22	2.00	Pass
			RB1#24		22.25	1.1	23.35	0.22	2.00	Pass	
			RB12#0		21.31	1.1	22.41	0.17	2.00	Pass	
			RB12#6		21.29	1.1	22.39	0.17	2.00	Pass	
			RB12#13		21.42	1.1	22.52	0.18	2.00	Pass	
			RB25#0		21.27	1.1	22.37	0.17	2.00	Pass	
			MCH	RB1#0	22.38	1.1	23.48	0.22	2.00	Pass	
				RB1#13	21.99	1.1	23.09	0.20	2.00	Pass	
RB1#24	22.04	1.1		23.14	0.21	2.00	Pass				
RB12#0	21.16	1.1		22.26	0.17	2.00	Pass				
RB12#6	21.14	1.1		22.24	0.17	2.00	Pass				
RB12#13	21.08	1.1		22.18	0.17	2.00	Pass				
RB25#0	21.20	1.1		22.30	0.17	2.00	Pass				
HCH	RB1#0	22.02	1.1	23.12	0.21	2.00	Pass				
	RB1#13	21.82	1.1	22.92	0.20	2.00	Pass				
	RB1#24	22.03	1.1	23.13	0.21	2.00	Pass				
	RB12#0	21.02	1.1	22.12	0.16	2.00	Pass				
	RB12#6	21.02	1.1	22.12	0.16	2.00	Pass				
	RB12#13	20.96	1.1	22.06	0.16	2.00	Pass				
	RB25#0	21.01	1.1	22.11	0.16	2.00	Pass				
10 MHz	LCH	RB1#0	22.47	1.1	23.57	0.23	2.00	Pass			
		RB1#25	22.40	1.1	23.50	0.22	2.00	Pass			
		RB1#49	22.47	1.1	23.57	0.23	2.00	Pass			
		RB25#0	21.44	1.1	22.54	0.18	2.00	Pass			
		RB25#13	21.48	1.1	22.58	0.18	2.00	Pass			
		RB25#25	21.31	1.1	22.41	0.17	2.00	Pass			
		RB50#0	21.39	1.1	22.49	0.18	2.00	Pass			
	MCH	RB1#0	22.33	1.1	23.43	0.22	2.00	Pass			
		RB1#25	22.18	1.1	23.28	0.21	2.00	Pass			
		RB1#49	22.06	1.1	23.16	0.21	2.00	Pass			

Test Band	Test Model	Test Bandwidth	Test Channel	Test RB (Size#Offset)	Conducted Output Average Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
		15 MHz		RB25#0	21.24	1.1	22.34	0.17	2.00	Pass
				RB25#13	21.16	1.1	22.26	0.17	2.00	Pass
				RB25#25	21.07	1.1	22.17	0.16	2.00	Pass
				RB50#0	21.26	1.1	22.36	0.17	2.00	Pass
			HCH	RB1#0	22.03	1.1	23.13	0.21	2.00	Pass
				RB1#25	22.17	1.1	23.27	0.21	2.00	Pass
				RB1#49	21.95	1.1	23.05	0.20	2.00	Pass
				RB25#0	21.08	1.1	22.18	0.17	2.00	Pass
				RB25#13	21.02	1.1	22.12	0.16	2.00	Pass
				RB25#25	20.98	1.1	22.08	0.16	2.00	Pass
				RB50#0	21.05	1.1	22.15	0.16	2.00	Pass
				LCH	RB1#0	22.43	1.1	23.53	0.23	2.00
			RB1#38		22.08	1.1	23.18	0.21	2.00	Pass
			RB1#74		22.48	1.1	23.58	0.23	2.00	Pass
			RB36#0		21.50	1.1	22.60	0.18	2.00	Pass
			RB36#19		21.33	1.1	22.43	0.17	2.00	Pass
		RB36#39	21.32		1.1	22.42	0.17	2.00	Pass	
		RB75#0	21.34		1.1	22.44	0.18	2.00	Pass	
		MCH	RB1#0	22.40	1.1	23.50	0.22	2.00	Pass	
			RB1#38	22.15	1.1	23.25	0.21	2.00	Pass	
			RB1#74	22.17	1.1	23.27	0.21	2.00	Pass	
			RB36#0	21.39	1.1	22.49	0.18	2.00	Pass	
			RB36#19	21.18	1.1	22.28	0.17	2.00	Pass	
			RB36#39	21.10	1.1	22.20	0.17	2.00	Pass	
			RB75#0	21.23	1.1	22.33	0.17	2.00	Pass	
		HCH	RB1#0	22.37	1.1	23.47	0.22	2.00	Pass	
			RB1#38	22.12	1.1	23.22	0.21	2.00	Pass	
			RB1#74	21.99	1.1	23.09	0.20	2.00	Pass	
			RB36#0	21.25	1.1	22.35	0.17	2.00	Pass	
			RB36#19	21.19	1.1	22.29	0.17	2.00	Pass	
			RB36#39	21.02	1.1	22.12	0.16	2.00	Pass	
			RB75#0	21.05	1.1	22.15	0.16	2.00	Pass	
		20 MHz	LCH	RB1#0	22.42	1.1	23.52	0.22	2.00	Pass
				RB1#50	22.15	1.1	23.25	0.21	2.00	Pass
				RB1#99	22.62	1.1	23.72	0.24	2.00	Pass
				RB50#0	21.35	1.1	22.45	0.18	2.00	Pass
				RB50#25	21.26	1.1	22.36	0.17	2.00	Pass
				RB50#50	21.25	1.1	22.35	0.17	2.00	Pass
				RB100#0	21.28	1.1	22.38	0.17	2.00	Pass
			MCH	RB1#0	22.20	1.1	23.30	0.21	2.00	Pass
RB1#50	22.12			1.1	23.22	0.21	2.00	Pass		

Tes Band	Test Model	Test Bandwidth	Test Channel	Test RB (Size#Offset)	Conducted Output Average Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict			
				RB1#99	21.75	1.1	22.85	0.19	2.00	Pass			
				RB50#0	21.18	1.1	22.28	0.17	2.00	Pass			
				RB50#25	21.07	1.1	22.17	0.16	2.00	Pass			
				RB50#50	20.95	1.1	22.05	0.16	2.00	Pass			
				RB100#0	21.13	1.1	22.23	0.17	2.00	Pass			
			HCH	RB1#0	22.05	1.1	23.15	0.21	2.00	Pass			
				RB1#50	22.08	1.1	23.18	0.21	2.00	Pass			
				RB1#99	21.75	1.1	22.85	0.19	2.00	Pass			
				RB50#0	21.20	1.1	22.30	0.17	2.00	Pass			
				RB50#25	21.02	1.1	22.12	0.16	2.00	Pass			
				RB50#50	20.94	1.1	22.04	0.16	2.00	Pass			
			RB100#0	20.98	1.1	22.08	0.16	2.00	Pass				
					5 MHz	LCH	RB1#0	21.62	1.1	22.72	0.19	2.00	Pass
							RB1#13	21.38	1.1	22.48	0.18	2.00	Pass
	RB1#24	21.46					1.1	22.56	0.18	2.00	Pass		
	RB12#0	20.37					1.1	21.47	0.14	2.00	Pass		
	RB12#6	20.19					1.1	21.29	0.13	2.00	Pass		
	RB12#13	20.31					1.1	21.41	0.14	2.00	Pass		
	RB25#0	20.31					1.1	21.41	0.14	2.00	Pass		
	MCH	RB1#0				21.35	1.1	22.45	0.18	2.00	Pass		
		RB1#13				20.68	1.1	21.78	0.15	2.00	Pass		
		RB1#24				21.30	1.1	22.40	0.17	2.00	Pass		
		RB12#0				20.04	1.1	21.14	0.13	2.00	Pass		
		RB12#6				20.10	1.1	21.20	0.13	2.00	Pass		
		RB12#13				20.09	1.1	21.19	0.13	2.00	Pass		
		RB25#0				20.38	1.1	21.48	0.14	2.00	Pass		
	HCH	RB1#0	20.96	1.1	22.06	0.16	2.00	Pass					
		RB1#13	20.45	1.1	21.55	0.14	2.00	Pass					
		RB1#24	20.79	1.1	21.89	0.15	2.00	Pass					
		RB12#0	19.93	1.1	21.03	0.13	2.00	Pass					
		RB12#6	19.76	1.1	20.86	0.12	2.00	Pass					
		RB12#13	19.70	1.1	20.80	0.12	2.00	Pass					
		RB25#0	20.09	1.1	21.19	0.13	2.00	Pass					
10 MHz	LCH	RB1#0	21.97	1.1	23.07	0.20	2.00	Pass					
		RB1#25	21.98	1.1	23.08	0.20	2.00	Pass					
		RB1#49	22.01	1.1	23.11	0.20	2.00	Pass					
		RB25#0	20.40	1.1	21.50	0.14	2.00	Pass					
		RB25#13	20.36	1.1	21.46	0.14	2.00	Pass					
		RB25#25	20.38	1.1	21.48	0.14	2.00	Pass					
		RB50#0	20.34	1.1	21.44	0.14	2.00	Pass					
	MCH	RB1#0	21.76	1.1	22.86	0.19	2.00	Pass					

Test Band	Test Model	Test Bandwidth	Test Channel	Test RB (Size#Offset)	Conducted Output Average Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
		15 MHz		RB1#25	21.34	1.1	22.44	0.18	2.00	Pass
				RB1#49	21.86	1.1	22.96	0.20	2.00	Pass
				RB25#0	20.30	1.1	21.40	0.14	2.00	Pass
				RB25#13	20.02	1.1	21.12	0.13	2.00	Pass
				RB25#25	20.03	1.1	21.13	0.13	2.00	Pass
				RB50#0	20.28	1.1	21.38	0.14	2.00	Pass
			HCH	RB1#0	21.25	1.1	22.35	0.17	2.00	Pass
				RB1#25	21.26	1.1	22.36	0.17	2.00	Pass
				RB1#49	21.00	1.1	22.10	0.16	2.00	Pass
				RB25#0	20.12	1.1	21.22	0.13	2.00	Pass
				RB25#13	19.91	1.1	21.01	0.13	2.00	Pass
				RB25#25	19.96	1.1	21.06	0.13	2.00	Pass
			LCH	RB50#0	20.05	1.1	21.15	0.13	2.00	Pass
				RB1#0	21.86	1.1	22.96	0.20	2.00	Pass
				RB1#38	21.20	1.1	22.30	0.17	2.00	Pass
				RB1#74	21.81	1.1	22.91	0.20	2.00	Pass
				RB36#0	20.47	1.1	21.57	0.14	2.00	Pass
				RB36#19	20.18	1.1	21.28	0.13	2.00	Pass
		MCH	RB36#39	20.29	1.1	21.39	0.14	2.00	Pass	
			RB75#0	20.33	1.1	21.43	0.14	2.00	Pass	
			RB1#0	21.68	1.1	22.78	0.19	2.00	Pass	
			RB1#38	21.31	1.1	22.41	0.17	2.00	Pass	
			RB1#74	21.54	1.1	22.64	0.18	2.00	Pass	
			RB36#0	20.39	1.1	21.49	0.14	2.00	Pass	
		HCH	RB36#19	19.97	1.1	21.07	0.13	2.00	Pass	
			RB36#39	20.18	1.1	21.28	0.13	2.00	Pass	
			RB75#0	20.24	1.1	21.34	0.14	2.00	Pass	
			RB1#0	22.17	1.1	23.27	0.21	2.00	Pass	
			RB1#38	21.85	1.1	22.95	0.20	2.00	Pass	
			RB1#74	21.84	1.1	22.94	0.20	2.00	Pass	
		20 MHz	LCH	RB36#0	20.24	1.1	21.34	0.14	2.00	Pass
				RB36#19	20.00	1.1	21.10	0.13	2.00	Pass
				RB36#39	19.80	1.1	20.90	0.12	2.00	Pass
				RB75#0	20.02	1.1	21.12	0.13	2.00	Pass
				RB1#0	21.26	1.1	22.36	0.17	2.00	Pass
				RB1#50	21.26	1.1	22.36	0.17	2.00	Pass
				RB1#99	21.34	1.1	22.44	0.18	2.00	Pass
		RB50#0	20.27	1.1	21.37	0.14	2.00	Pass		
		RB50#25	20.25	1.1	21.35	0.14	2.00	Pass		
		RB50#50	20.28	1.1	21.38	0.14	2.00	Pass		
		RB100#0	20.29	1.1	21.39	0.14	2.00	Pass		

Test Band	Test Model	Test Bandwidth	Test Channel	Test RB (Size#Offset)	Conducted Output Average Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
			MCH	RB1#0	21.44	1.1	22.54	0.18	2.00	Pass
				RB1#50	20.98	1.1	22.08	0.16	2.00	Pass
				RB1#99	20.76	1.1	21.86	0.15	2.00	Pass
				RB50#0	20.22	1.1	21.32	0.14	2.00	Pass
				RB50#25	19.98	1.1	21.08	0.13	2.00	Pass
				RB50#50	20.08	1.1	21.18	0.13	2.00	Pass
				RB100#0	20.21	0.5	20.71	0.12	2.00	Pass
			HCH	RB1#0	21.55	0.5	22.05	0.16	2.00	Pass
				RB1#50	21.34	0.5	21.84	0.15	2.00	Pass
				RB1#99	21.24	0.5	21.74	0.15	2.00	Pass
				RB50#0	20.07	0.5	20.57	0.11	2.00	Pass
				RB50#25	20.05	0.5	20.55	0.11	2.00	Pass
				RB50#50	19.87	0.5	20.37	0.11	2.00	Pass
				RB100#0	19.89	0.5	20.39	0.11	2.00	Pass
Band 17	QPSK	5 MHz	LCH	RB1#0	23.67	0.5	24.17	0.26	2.00	Pass
				RB1#13	23.36	0.5	23.86	0.24	2.00	Pass
				RB1#24	23.58	0.5	24.08	0.26	2.00	Pass
				RB12#0	22.53	0.5	23.03	0.20	2.00	Pass
				RB12#6	22.58	0.5	23.08	0.20	2.00	Pass
				RB12#13	22.56	0.5	23.06	0.20	2.00	Pass
				RB25#0	22.66	0.5	23.16	0.21	2.00	Pass
			MCH	RB1#0	23.41	0.5	23.91	0.25	2.00	Pass
				RB1#13	23.50	0.5	24.00	0.25	2.00	Pass
				RB1#24	23.30	0.5	23.80	0.24	2.00	Pass
				RB12#0	22.57	0.5	23.07	0.20	2.00	Pass
				RB12#6	22.69	0.5	23.19	0.21	2.00	Pass
				RB12#13	22.58	0.5	23.08	0.20	2.00	Pass
				RB25#0	22.55	0.5	23.05	0.20	2.00	Pass
		HCH	RB1#0	23.37	0.5	23.87	0.24	2.00	Pass	
			RB1#13	23.68	0.5	24.18	0.26	2.00	Pass	
			RB1#24	23.43	0.5	23.93	0.25	2.00	Pass	
			RB12#0	22.53	0.5	23.03	0.20	2.00	Pass	
			RB12#6	22.72	0.5	23.22	0.21	2.00	Pass	
			RB12#13	22.70	0.5	23.20	0.21	2.00	Pass	
			RB25#0	22.59	0.5	23.09	0.20	2.00	Pass	
10 MHz	LCH	RB1#0	23.82	0.5	24.32	0.27	2.00	Pass		
		RB1#25	23.47	0.5	23.97	0.25	2.00	Pass		
		RB1#49	23.59	0.5	24.09	0.26	2.00	Pass		
		RB25#0	22.54	0.5	23.04	0.20	2.00	Pass		
		RB25#13	22.59	0.5	23.09	0.20	2.00	Pass		
		RB25#25	22.49	0.5	22.99	0.20	2.00	Pass		

Test Band	Test Model	Test Bandwidth	Test Channel	Test RB (Size#Offset)	Conducted Output Average Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict	
			MCH	RB50#0	22.49	0.5	22.99	0.20	2.00	Pass	
				RB1#0	23.67	0.5	24.17	0.26	2.00	Pass	
				RB1#25	23.47	0.5	23.97	0.25	2.00	Pass	
				RB1#49	23.67	0.5	24.17	0.26	2.00	Pass	
				RB25#0	22.58	0.5	23.08	0.20	2.00	Pass	
				RB25#13	22.43	0.5	22.93	0.20	2.00	Pass	
				RB25#25	22.51	0.5	23.01	0.20	2.00	Pass	
				RB50#0	22.54	0.5	23.04	0.20	2.00	Pass	
			HCH	RB1#0	23.72	0.5	24.22	0.26	2.00	Pass	
				RB1#25	23.57	0.5	24.07	0.26	2.00	Pass	
				RB1#49	23.58	0.5	24.08	0.26	2.00	Pass	
				RB25#0	22.52	0.5	23.02	0.20	2.00	Pass	
				RB25#13	22.51	0.5	23.01	0.20	2.00	Pass	
				RB25#25	22.61	0.5	23.11	0.20	2.00	Pass	
				RB50#0	22.49	0.5	22.99	0.20	2.00	Pass	
				16QAM	5 MHz		LCH	RB1#0	22.44	0.5	22.94
	RB1#13	22.41	0.5					22.91	0.20	2.00	Pass
	RB1#24	22.30	0.5					22.80	0.19	2.00	Pass
	RB12#0	21.27	0.5					21.77	0.15	2.00	Pass
	RB12#6	21.55	0.5					22.05	0.16	2.00	Pass
	RB12#13	21.40	0.5					21.90	0.15	2.00	Pass
	RB25#0	21.56	0.5				22.06	0.16	2.00	Pass	
	MCH	RB1#0	22.99				0.5	23.49	0.22	2.00	Pass
		RB1#13	22.59				0.5	23.09	0.20	2.00	Pass
		RB1#24	22.87				0.5	23.37	0.22	2.00	Pass
		RB12#0	21.48				0.5	21.98	0.16	2.00	Pass
		RB12#6	21.43				0.5	21.93	0.16	2.00	Pass
		RB12#13	21.47		0.5	21.97	0.16	2.00	Pass		
	RB25#0	21.49	0.5		21.99	0.16	2.00	Pass			
	HCH	RB1#0	22.61		0.5	23.11	0.20	2.00	Pass		
		RB1#13	22.48		0.5	22.98	0.20	2.00	Pass		
		RB1#24	22.71		0.5	23.21	0.21	2.00	Pass		
RB12#0		21.45	0.5		21.95	0.16	2.00	Pass			
RB12#6		21.53	0.5		22.03	0.16	2.00	Pass			
RB12#13		21.62	0.5		22.12	0.16	2.00	Pass			
RB25#0	21.67	0.5	22.17		0.16	2.00	Pass				
10 MHz			LCH		RB1#0	22.80	0.5	23.30	0.21	2.00	Pass
					RB1#25	23.14	0.5	23.64	0.23	2.00	Pass
					RB1#49	23.16	0.5	23.66	0.23	2.00	Pass
				RB25#0	21.53	0.5	22.03	0.16	2.00	Pass	
				RB25#13	21.30	0.5	21.80	0.15	2.00	Pass	

Test Band	Test Model	Test Bandwidth	Test Channel	Test RB (Size#Offset)	Conducted Output Average Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
				RB25#13	21.40	0.5	21.90	0.15	2.00	Pass
				RB25#25	21.37	0.5	21.87	0.15	2.00	Pass
			MCH	RB1#0	22.85	0.5	23.35	0.22	2.00	Pass
				RB1#25	22.93	0.5	23.43	0.22	2.00	Pass
				RB1#49	23.00	0.5	23.50	0.22	2.00	Pass
				RB25#0	21.46	0.5	21.96	0.16	2.00	Pass
				RB25#13	21.60	0.5	22.10	0.16	2.00	Pass
				RB25#13	21.35	0.5	21.85	0.15	2.00	Pass
				RB25#25	21.45	0.5	21.95	0.16	2.00	Pass
				HCH	RB1#0	22.83	0.5	23.33	0.22	2.00
			RB1#25		22.46	0.5	22.96	0.20	2.00	Pass
			RB1#49		22.68	0.5	23.18	0.21	2.00	Pass
			RB25#0		21.56	0.5	22.06	0.16	2.00	Pass
			RB25#13		21.58	0.5	22.08	0.16	2.00	Pass
			RB25#13		21.73	0.5	22.23	0.17	2.00	Pass
			RB25#25		21.47	0.5	21.97	0.16	2.00	Pass

A.2 Peak to Average Ratio

Note: In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB. For GSM 1900, GPRS 1900 and EGPRS 1900 were used peak power to demonstrate compliance, a PAPR measurement is not required.

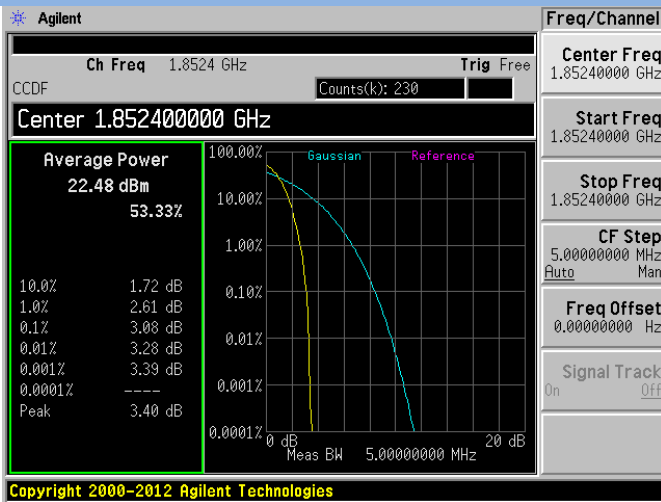
WCDMA Test Data

Test Band	Test Channel	Peak to Average ratio (dBm)	Limit (dBm)	Verdict
Band 2	LCH	3.08	13	Pass
	MCH	3.18	13	Pass
	HCH	2.90	13	Pass
Band 4	LCH	3.25	13	Pass
	MCH	3.25	13	Pass
	HCH	3.21	13	Pass

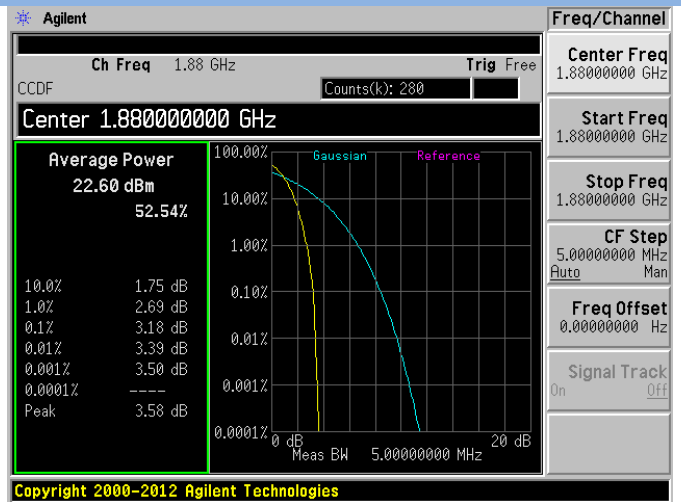
Test Band	Test Model	Test Bandwidth	Test Channel	Test RB(Size#Offset)	Peak to Average ratio (dBm)	Limit (dBm)	Verdict
LTE Band 2	16-QAM	20 MHz	LCH	RB1#0	5.33	13	Pass
				RB100#0	5.86	13	Pass
			MCH	RB1#0	5.30	13	Pass
				RB100#0	5.80	13	Pass
			HCH	RB1#0	4.46	13	Pass
				RB100#0	5.62	13	Pass
LTE Band 4	16-QAM	20 MHz	LCH	RB1#0	5.62	13	Pass
				RB100#0	6.14	13	Pass
			MCH	RB1#0	5.62	13	Pass
				RB100#0	6.14	13	Pass
			HCH	RB1#0	5.57	13	Pass
				RB100#0	5.97	13	Pass
LTE Band 7	16-QAM	20 MHz	LCH	RB1#0	4.72	13	Pass
				RB100#0	5.51	13	Pass
			MCH	RB1#0	4.87	13	Pass
				RB100#0	5.42	13	Pass
			HCH	RB1#0	4.87	13	Pass
				RB100#0	5.51	13	Pass
LTE Band 17	16-QAM	10 MHz	LCH	RB1#0	4.75	13	Pass
				RB50#0	5.97	13	Pass
			MCH	RB1#0	4.75	13	Pass
				RB50#0	5.94	13	Pass
			HCH	RB1#0	4.72	13	Pass
				RB50#0	5.91	13	Pass

Test Plots

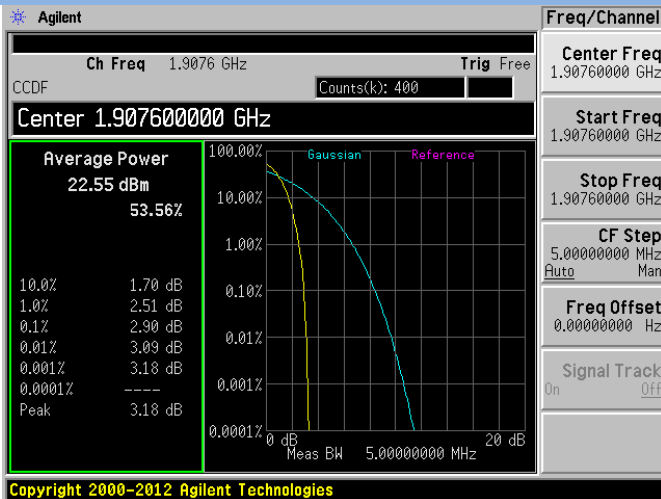
WCDMA Band 2 LCH



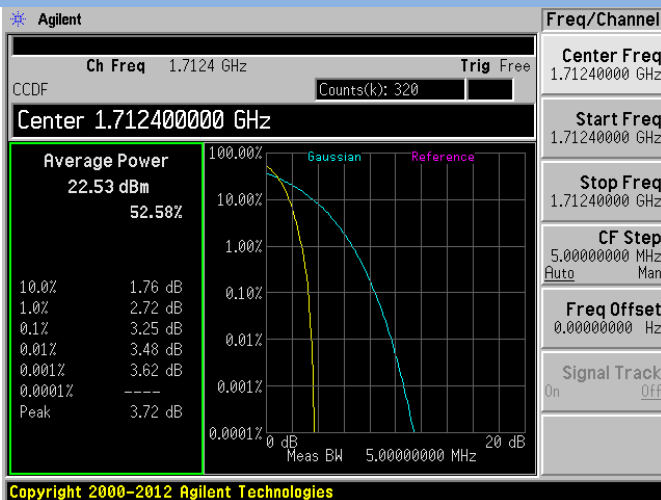
WCDMA Band 2 MCH



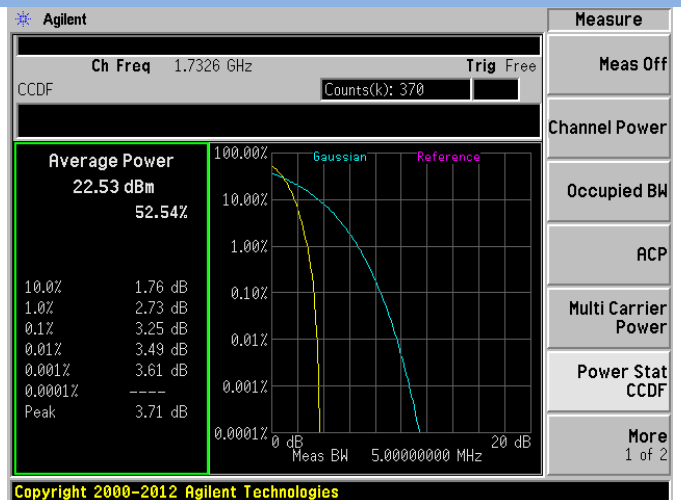
WCDMA Band 2 HCH



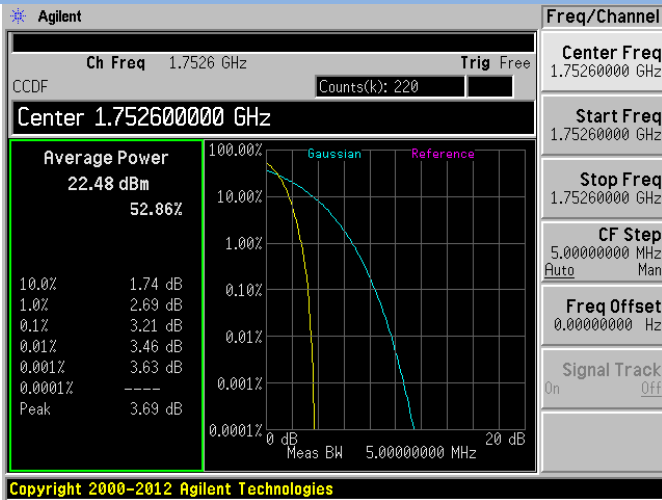
WCDMA Band 4 LCH



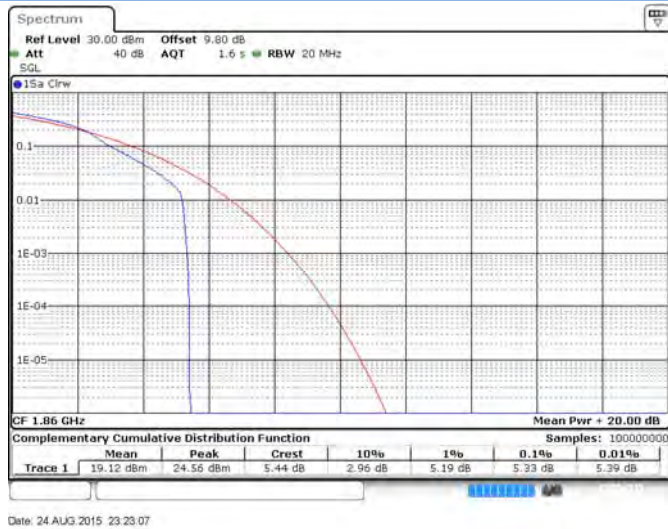
WCDMA Band 4 MCH



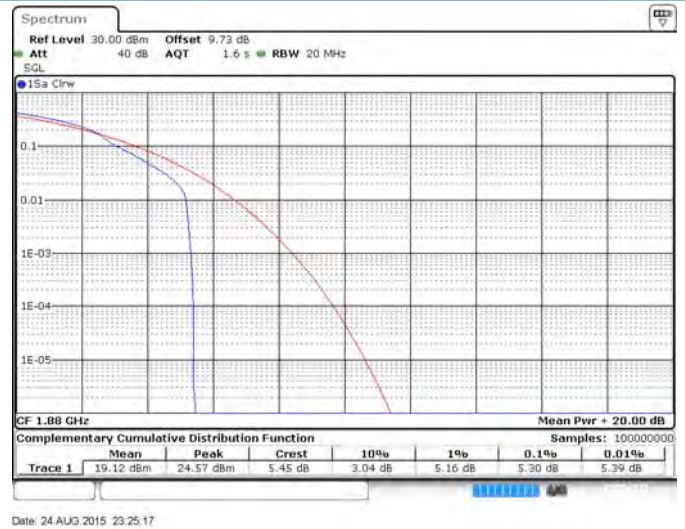
WCDMA Band 4 HCH



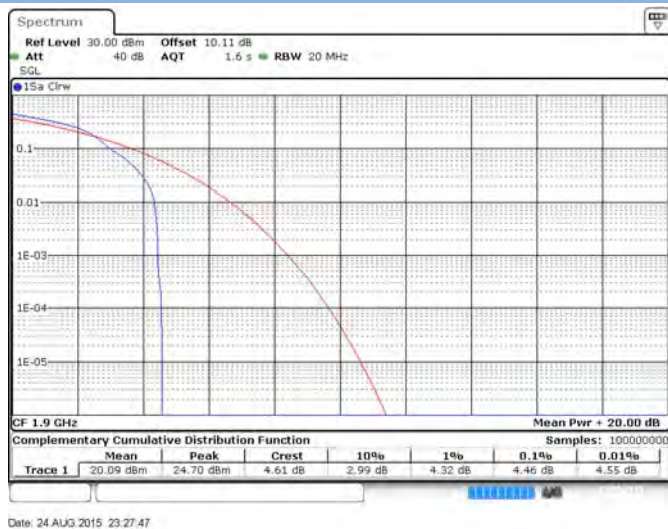
LTE Band 2 16-QAM 20 MHz LCH RB1#0



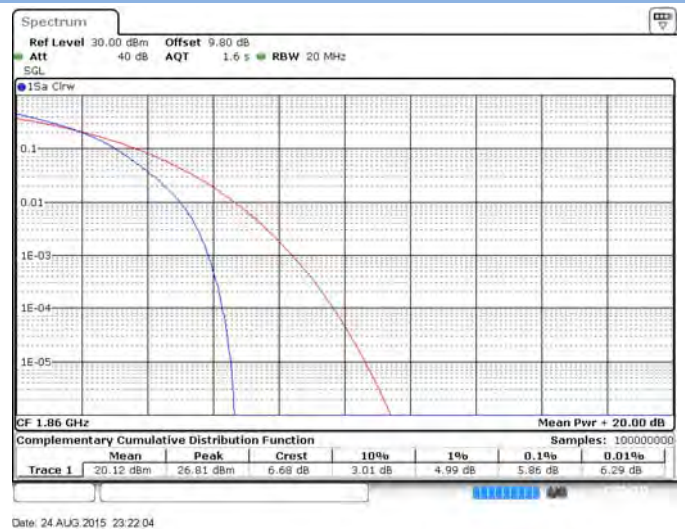
LTE Band 2 16-QAM 20 MHz MCH RB1#0



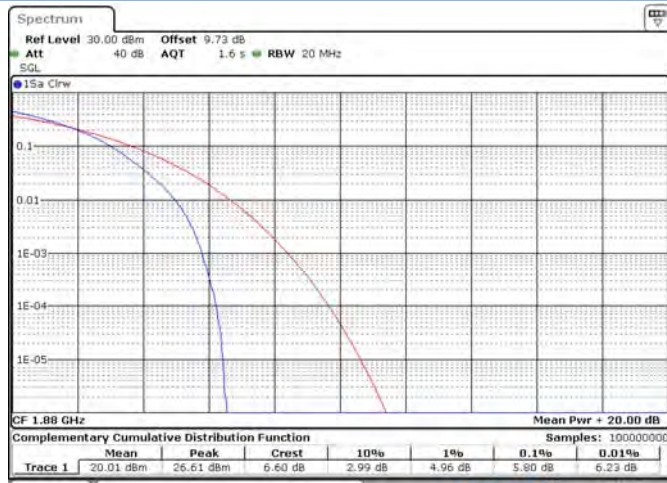
LTE Band 2 16-QAM 20 MHz HCH RB1#0



LTE Band 4 16-QAM 20 MHz LCH RB100#0

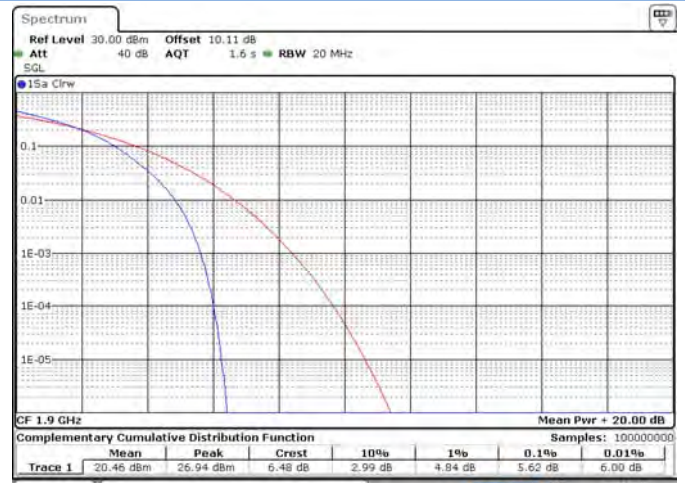


LTE Band 2 16-QAM 20 MHz MCH RB100#0



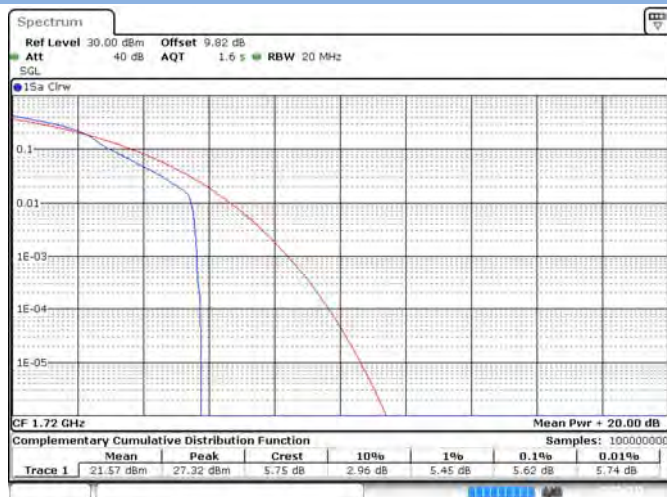
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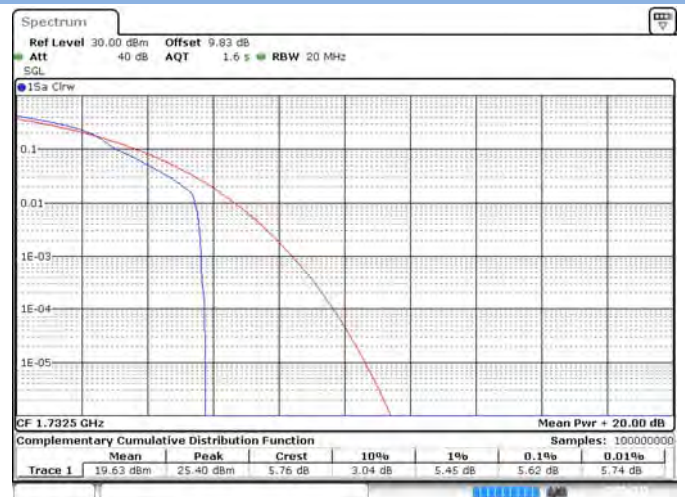
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LTE Band 4 16-QAM 20 MHz LCH RB1#0



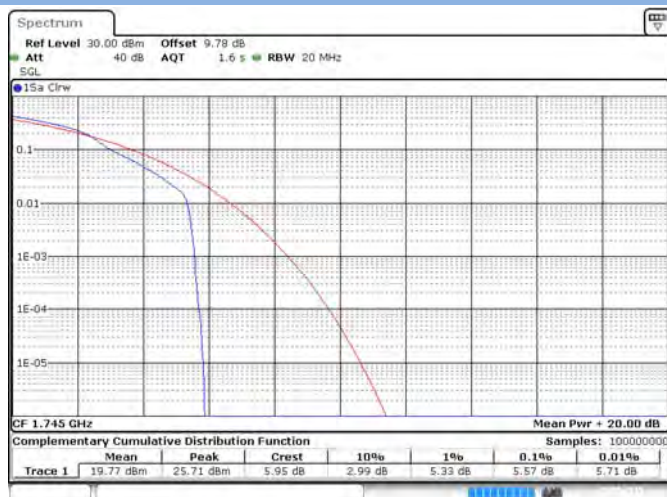
Date: 29 AUG 2015 13:08:55

LTE Band 4 16-QAM 20 MHz MCH RB1#0



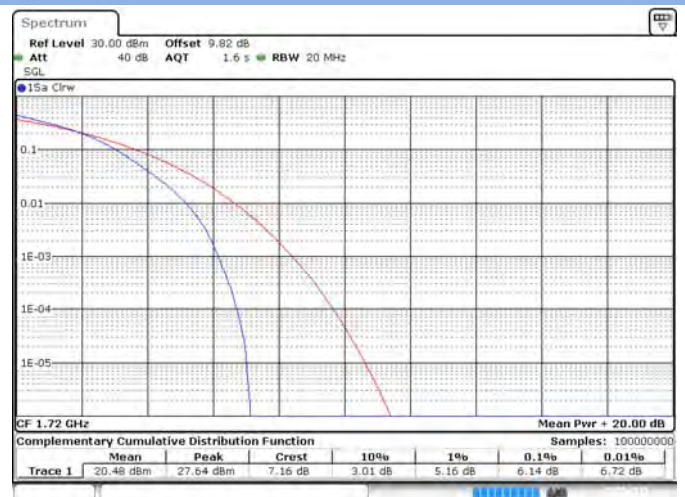
Date: 29 AUG 2015 13:11:15

LTE Band 4 16-QAM 20 MHz HCH RB1#0



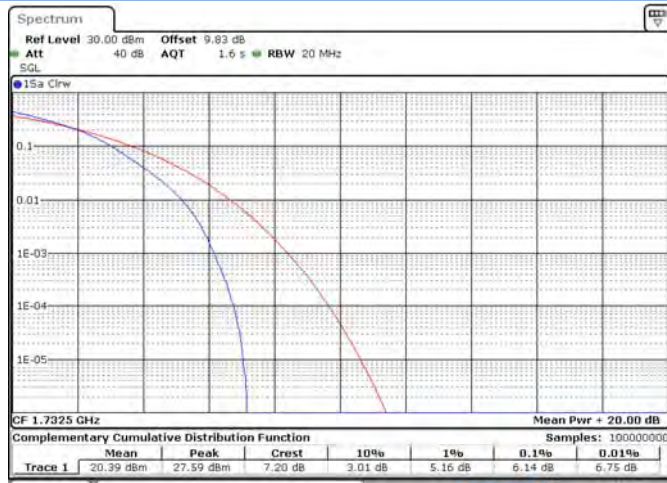
Date: 29 AUG 2015 13:13:46

LTE Band 4 16-QAM 20 MHz LCH RB100#0



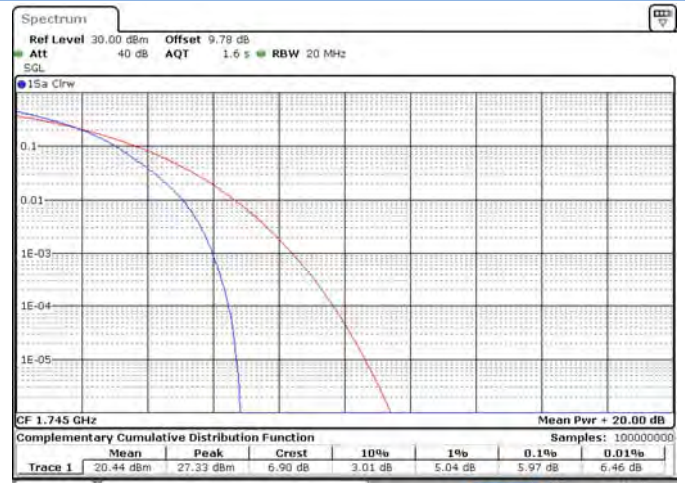
Date: 29 AUG 2015 13:08:02

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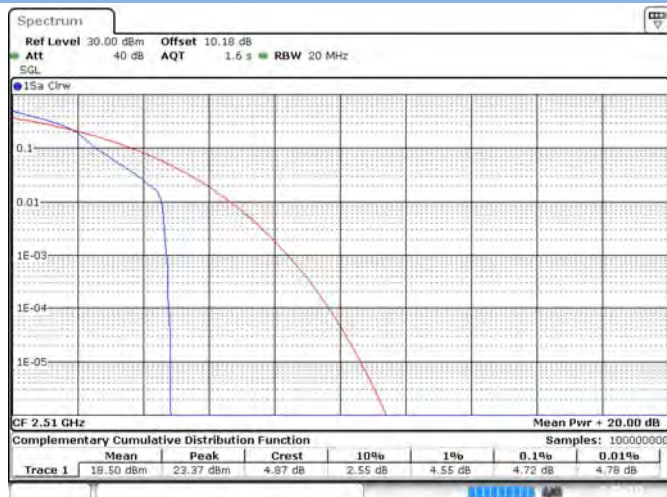
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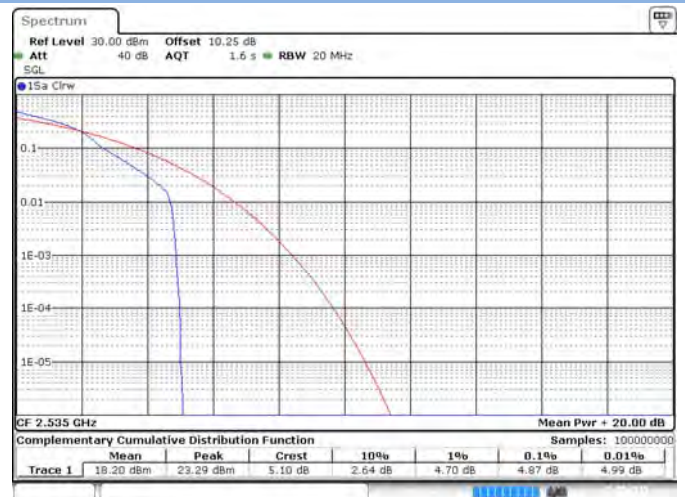
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LTE Band 7 16-QAM 20 MHz LCH RB1#0



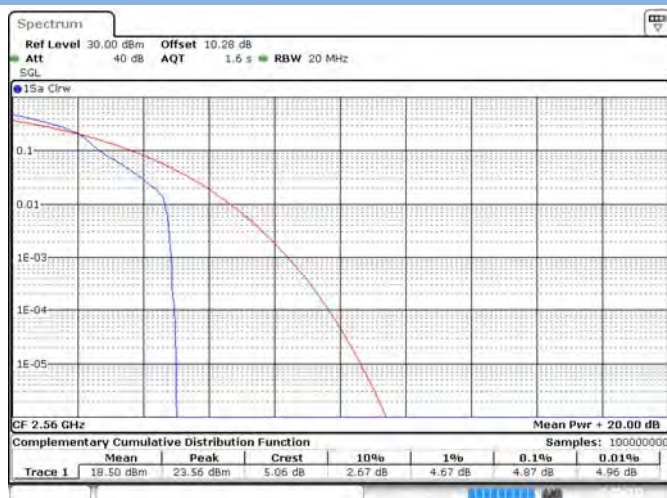
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LTE Band 7 16-QAM 20 MHz MCH RB1#0



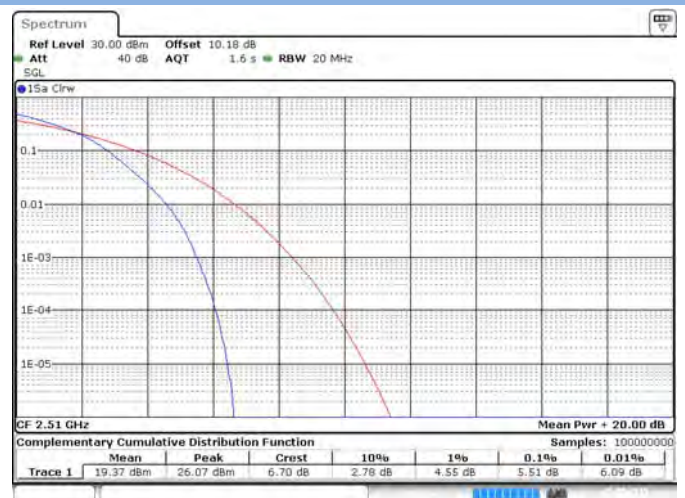
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LTE Band 7 16-QAM 20 MHz HCH RB1#0



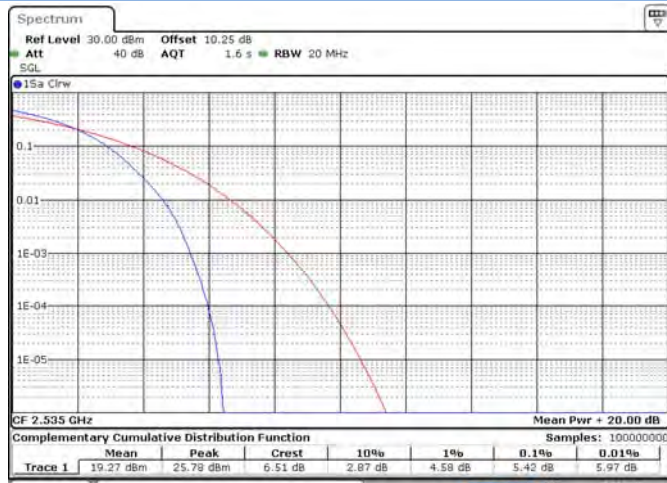
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LTE Band 7 16-QAM 20 MHz LCH RB100#0



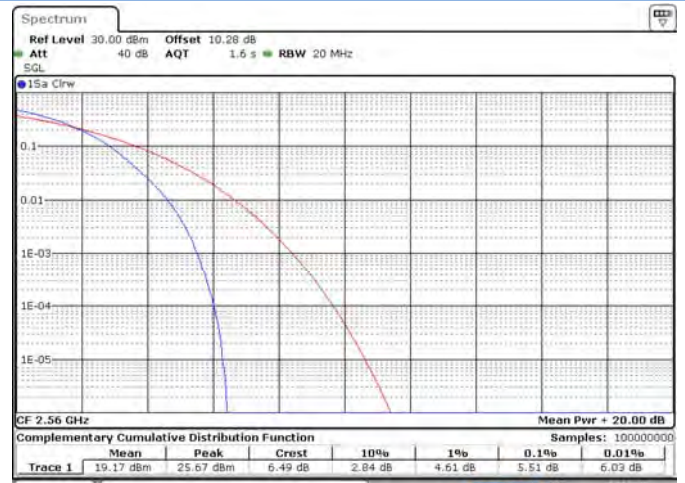
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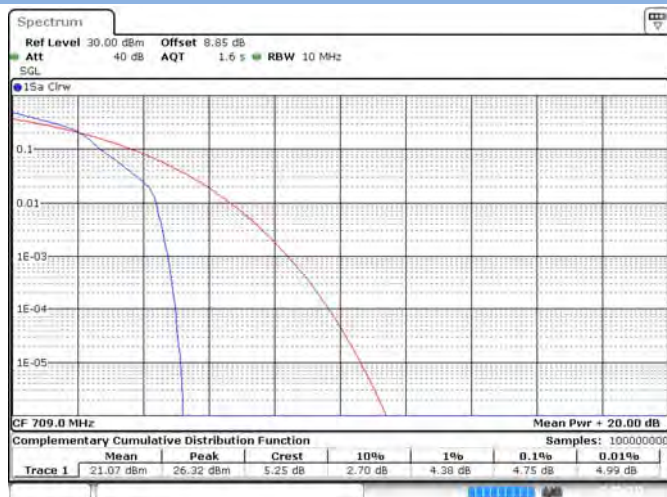
Date: 25 AUG 2015 00:07:28

LTE Band 7 16-QAM 20 MHz HCH RB100#0



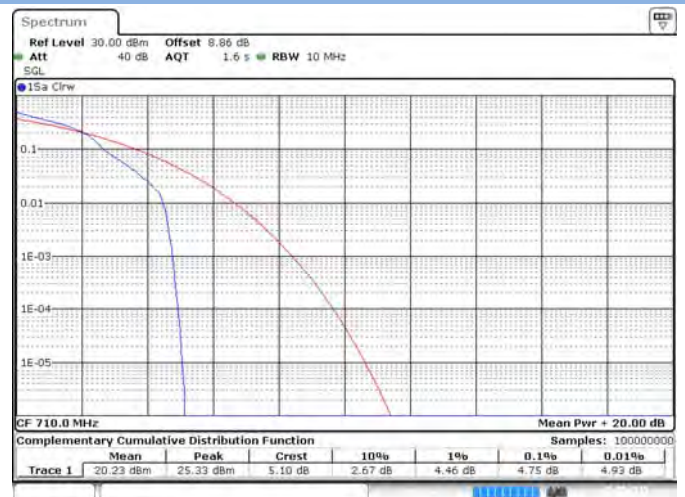
Date: 25 AUG 2015 00:09:59

LTE Band 17 16-QAM 10 MHz LCH RB1#0



Date: 25 AUG 2015 08:45:52

LTE Band 17 16-QAM 10 MHz MCH RB1#0



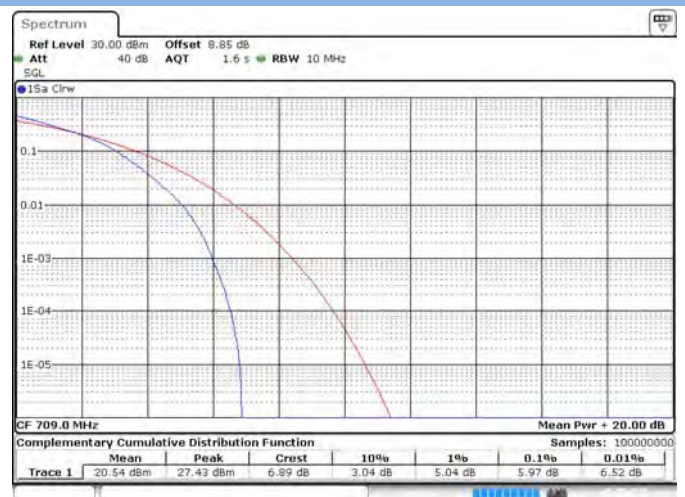
Date: 25 AUG 2015 08:48:21

LTE Band 17 16-QAM 10 MHz HCH RB1#0



Date: 25 AUG 2015 08:50:49

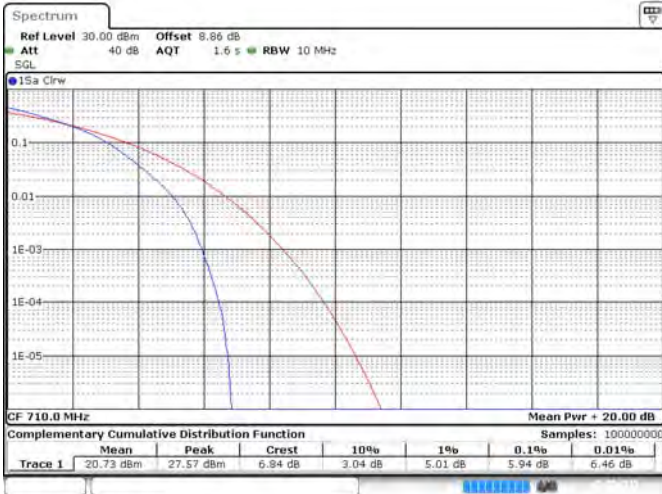
LTE Band 17 16-QAM 10 MHz LCH RB50#0



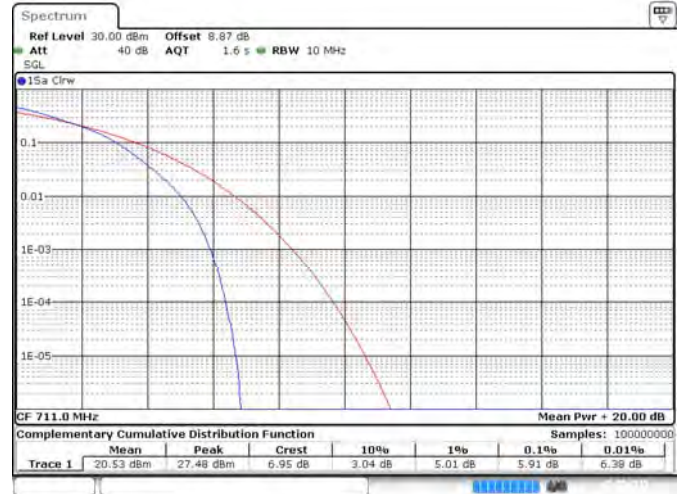
Date: 25 AUG 2015 08:45:10

LTE Band 17 16-QAM 10 MHz MCH RB 50#0

LTE Band 17 16-QAM 10 MHz HCH RB 50#0



Date: 25.AUG 2015 08:47:39



Date: 25.AUG 2015 08:50:07

A.3 Occupied Bandwidth

GSM Mode Test Data

Test Band	Test Channel	Measured 99% Occupied Bandwidth (kHz)	Measured -26 dB Occupied Bandwidth (kHz)
GSM 850	LCH	245.07	316.82
	MCH	245.42	315.85
	HCH	242.62	322.38
GSM 1900	LCH	244.95	314.57
	MCH	245.20	317.69
	HCH	250.18	320.17
GPRS 850	LCH	242.15	316.40
	MCH	244.60	313.02
	HCH	243.46	311.35
GPRS 1900	LCH	246.83	314.99
	MCH	245.34	310.30
	HCH	245.09	313.98
EGPRS 850	LCH	240.70	311.60
	MCH	240.11	314.26
	HCH	247.12	317.03
EGPRS 1900	LCH	244.86	313.72
	MCH	245.57	312.27
	HCH	246.16	317.82
WCDMA 850	LCH	4159.60	4614.00
	MCH	4151.80	4626.00
	HCH	4154.10	4623.00
WCDMA 1700	LCH	4155.30	4612.00
	MCH	4171.00	4629.00
	HCH	4157.60	4630.00
WCDMA 1900	LCH	4153.80	4633.00
	MCH	4164.00	4623.00
	HCH	4178.10	4638.00

LTE Mode Test Data

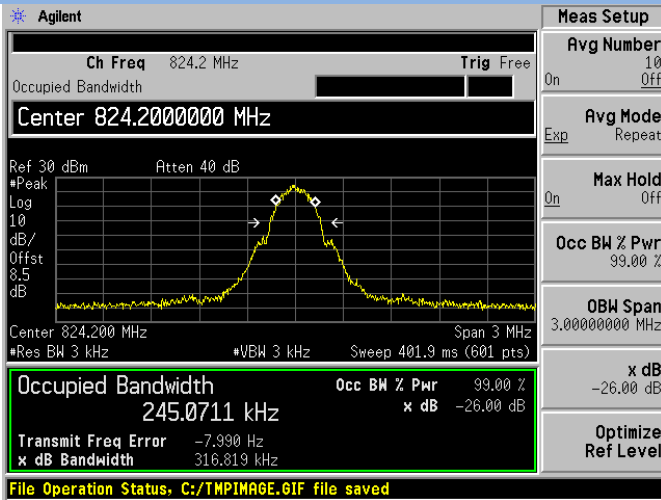
Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB(Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)
Band 2	QPSK	1.4 MHz	LCH	RB6#0	1.15	1.35
			MCH	RB6#0	1.15	1.35
			HCH	RB6#0	1.15	1.36
		3 MHz	LCH	RB15#0	2.72	2.98
			MCH	RB15#0	2.73	2.97
			HCH	RB15#0	2.73	2.99
		5 MHz	LCH	RB25#0	4.49	4.86
			MCH	RB25#0	4.49	4.81
			HCH	RB25#0	4.49	4.88
		10 MHz	LCH	RB50#0	8.92	9.35
			MCH	RB50#0	8.92	9.37
			HCH	RB50#0	8.94	9.39
		15 MHz	LCH	RB75#0	13.38	13.91
			MCH	RB75#0	13.36	13.91
			HCH	RB75#0	13.38	13.93
		20 MHz	LCH	RB100#0	17.82	18.49
			MCH	RB100#0	17.80	18.45
			HCH	RB100#0	17.82	18.37
	16-QAM	1.4 MHz	LCH	RB6#0	1.15	1.35
			MCH	RB6#0	1.15	1.35
			HCH	RB6#0	1.15	1.36
		3 MHz	LCH	RB15#0	2.73	2.98
			MCH	RB15#0	2.72	2.98
			HCH	RB15#0	2.73	2.99
		5 MHz	LCH	RB25#0	4.49	4.83
			MCH	RB25#0	4.49	4.84
			HCH	RB25#0	4.49	4.83
10 MHz		LCH	RB50#0	8.94	9.45	
		MCH	RB50#0	8.92	9.37	
		HCH	RB50#0	8.94	9.45	
15 MHz		LCH	RB75#0	13.38	13.87	
		MCH	RB75#0	13.36	13.91	
		HCH	RB75#0	13.38	13.91	
20 MHz		LCH	RB100#0	17.82	18.43	
		MCH	RB100#0	17.80	18.39	
		HCH	RB100#0	17.84	18.41	
Band 4	QPSK	1.4 MHz	LCH	RB6#0	1.15	1.35
			MCH	RB6#0	1.15	1.35
			HCH	RB6#0	1.15	1.34
		3 MHz	LCH	RB15#0	2.73	2.98
			MCH	RB15#0	2.73	2.98

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB(Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	
		5 MHz	HCH	RB15#0	2.73	2.97	
			LCH	RB25#0	4.49	4.84	
			MCH	RB25#0	4.49	4.83	
		10 MHz	HCH	RB25#0	4.49	4.84	
			LCH	RB50#0	8.94	9.41	
			MCH	RB50#0	8.94	9.39	
		15 MHz	HCH	RB50#0	8.92	9.39	
			LCH	RB75#0	13.38	13.97	
			MCH	RB75#0	13.38	13.95	
		20 MHz	HCH	RB75#0	13.38	13.91	
			LCH	RB100#0	17.82	18.41	
			MCH	RB100#0	17.82	18.41	
		16-QAM	1.4 MHz	HCH	RB100#0	17.82	18.37
				LCH	RB6#0	1.15	1.34
				MCH	RB6#0	1.15	1.34
			3 MHz	HCH	RB6#0	1.15	1.35
				LCH	RB15#0	2.73	2.98
				MCH	RB15#0	2.73	2.97
	5 MHz		HCH	RB15#0	2.72	2.97	
			LCH	RB25#0	4.49	4.83	
			MCH	RB25#0	4.49	4.83	
	10 MHz		HCH	RB25#0	4.49	4.84	
			LCH	RB50#0	8.94	9.37	
			MCH	RB50#0	8.94	9.37	
	15 MHz	HCH	RB50#0	8.94	9.37		
		LCH	RB75#0	13.38	13.93		
		MCH	RB75#0	13.38	13.91		
	20 MHz	HCH	RB75#0	13.38	13.85		
		LCH	RB100#0	17.82	18.39		
		MCH	RB100#0	17.82	18.41		
Band 7	QPSK	5 MHz	HCH	RB100#0	17.84	18.59	
			LCH	RB25#0	4.49	4.84	
			MCH	RB25#0	4.49	4.87	
		10 MHz	HCH	RB25#0	4.49	4.81	
			LCH	RB50#0	8.92	9.47	
			MCH	RB50#0	8.92	9.43	
		15 MHz	HCH	RB50#0	8.92	9.41	
			LCH	RB75#0	13.40	14.09	
			MCH	RB75#0	13.38	13.93	
		20 MHz	HCH	RB75#0	13.34	13.91	
			LCH	RB100#0	17.86	18.59	
		MCH	RB100#0	17.80	18.37		

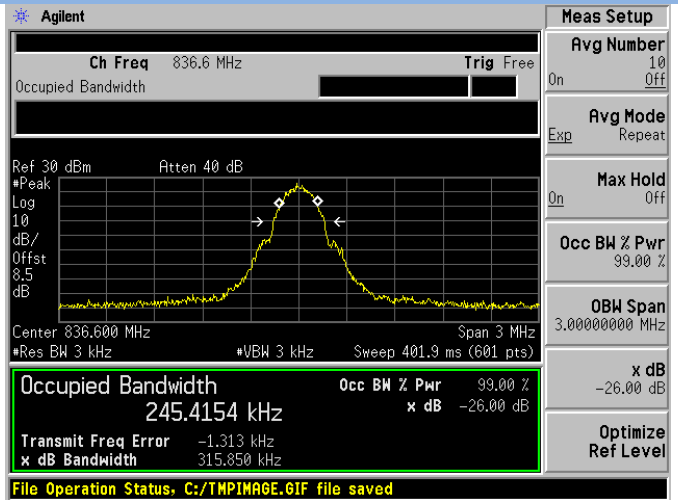
Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB(Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)
	16-QAM	5 MHz	HCH	RB100#0	17.80	18.39
			LCH	RB25#0	4.49	4.84
			MCH	RB25#0	4.49	4.84
		10 MHz	LCH	RB50#0	8.92	9.43
			MCH	RB50#0	8.92	9.31
			HCH	RB50#0	8.92	9.35
		15 MHz	LCH	RB75#0	13.38	14.03
			MCH	RB75#0	13.36	13.89
			HCH	RB75#0	13.36	13.93
		20 MHz	LCH	RB100#0	17.86	18.61
			MCH	RB100#0	17.80	18.39
			HCH	RB100#0	17.80	18.37
		Ban 17	QPSK	5 MHz	LCH	RB25#0
MCH	RB25#0				4.49	4.83
HCH	RB25#0				4.49	4.86
10 MHz	LCH			RB50#0	8.94	9.39
	MCH			RB50#0	8.92	9.37
	HCH			RB50#0	8.92	9.31
16-QAM	5 MHz		LCH	RB25#0	4.50	4.84
			MCH	RB25#0	4.50	4.87
			HCH	RB25#0	4.49	4.86
	10 MHz		LCH	RB50#0	8.94	9.39
			MCH	RB50#0	8.92	9.35
HCH	RB50#0	8.92	9.43			

GSM Mode Test Plots

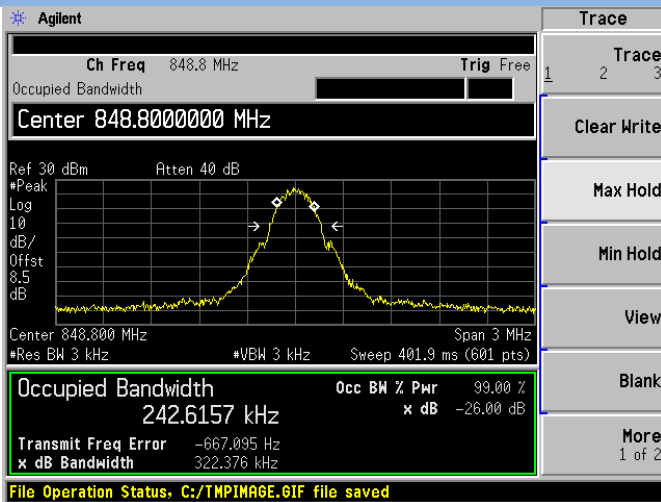
GSM 850 MHz LCH



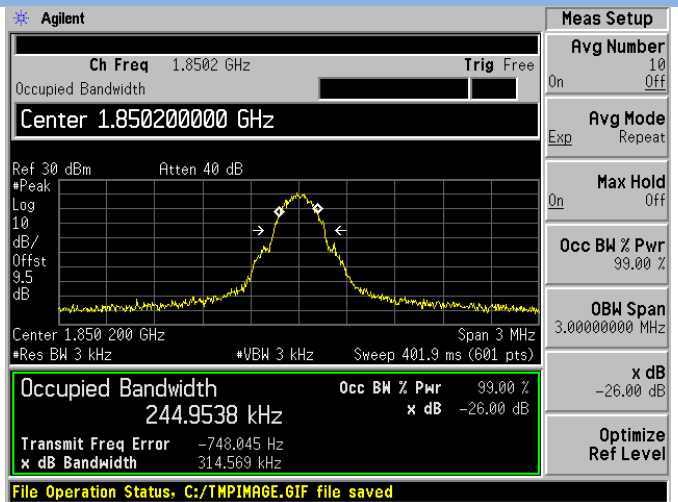
GSM 850 MHz MCH



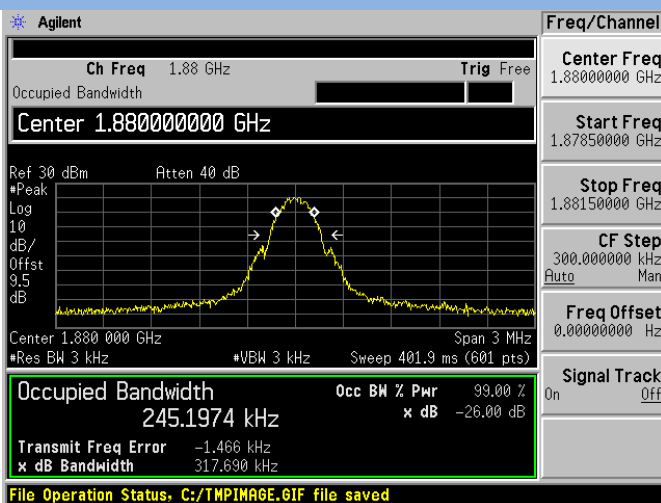
GSM 850 MHz HCH



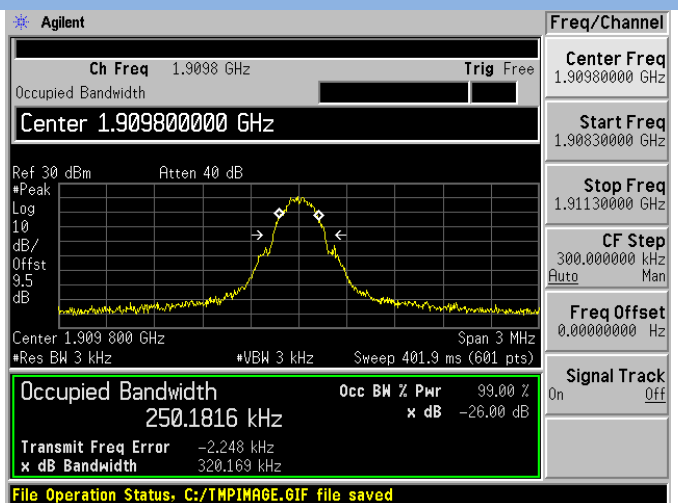
GSM 1900 MHz LCH



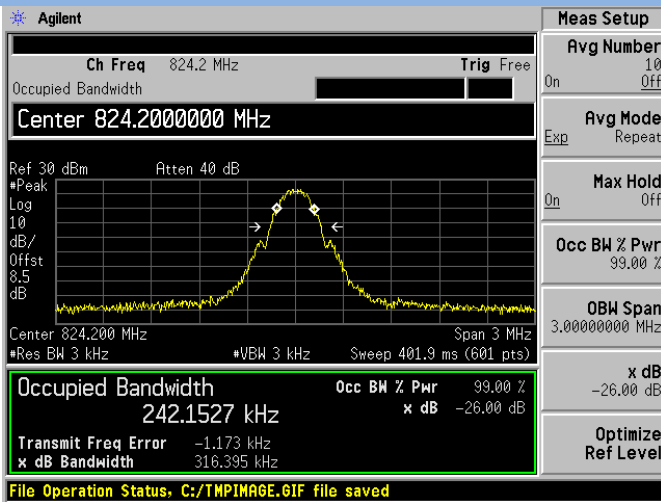
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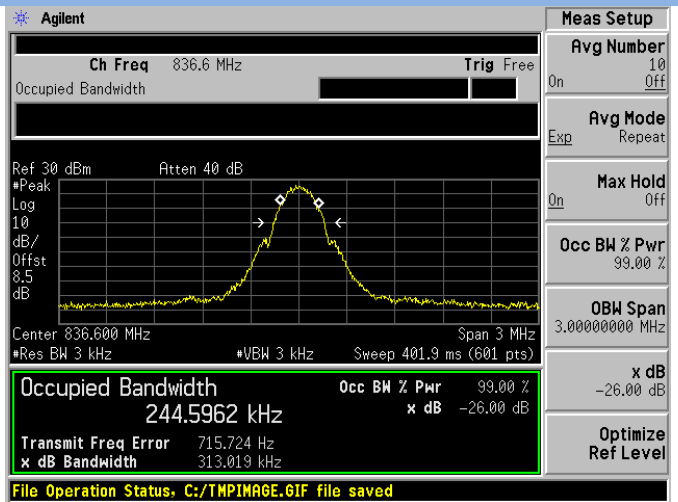
GSM 1900 MHz HCH



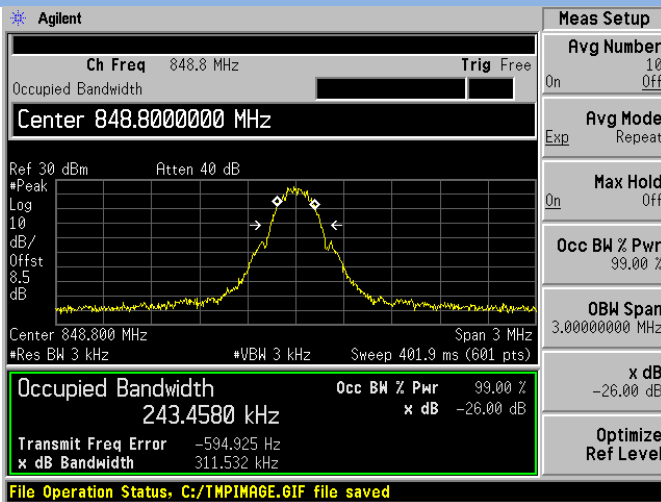
GPRS 850 MHz LCH



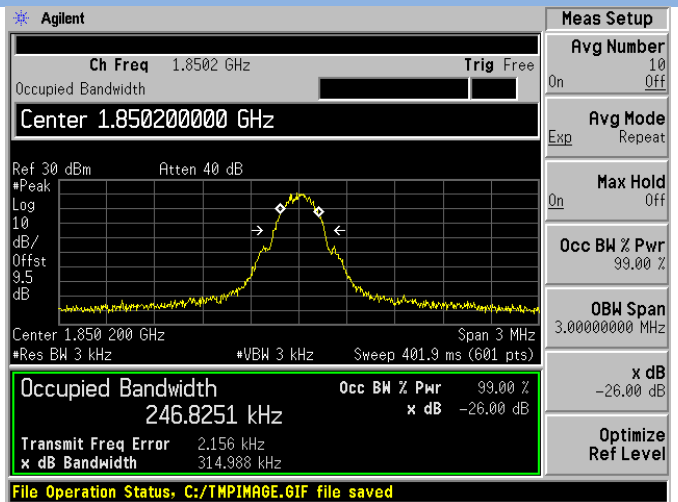
GPRS 850 MHz MCH



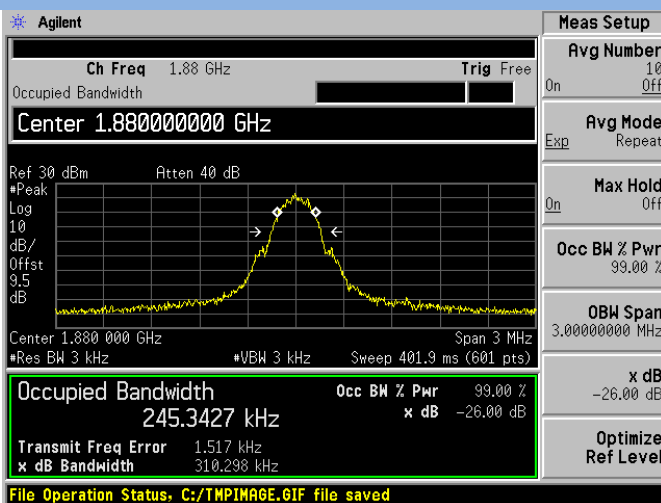
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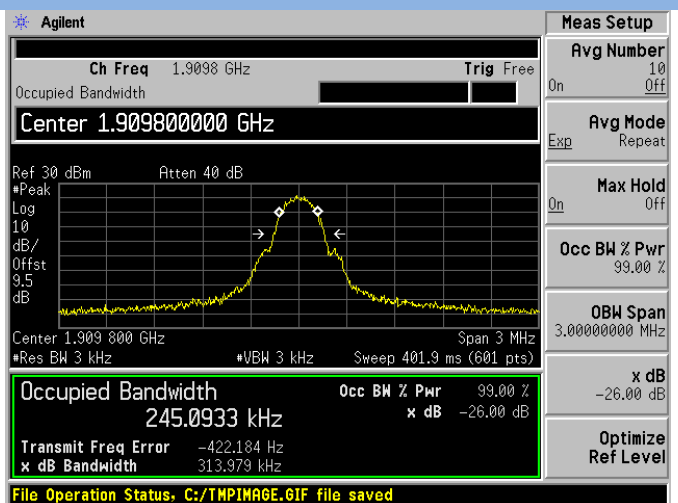
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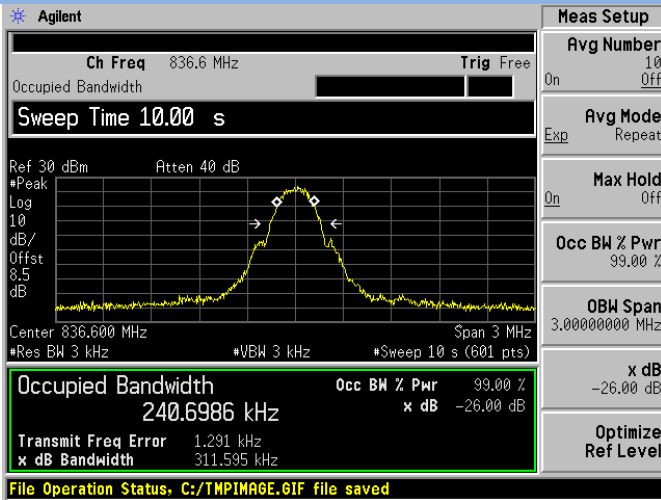
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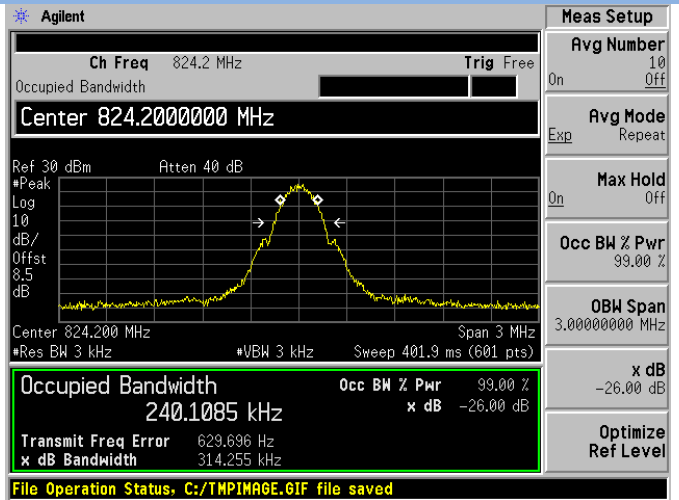
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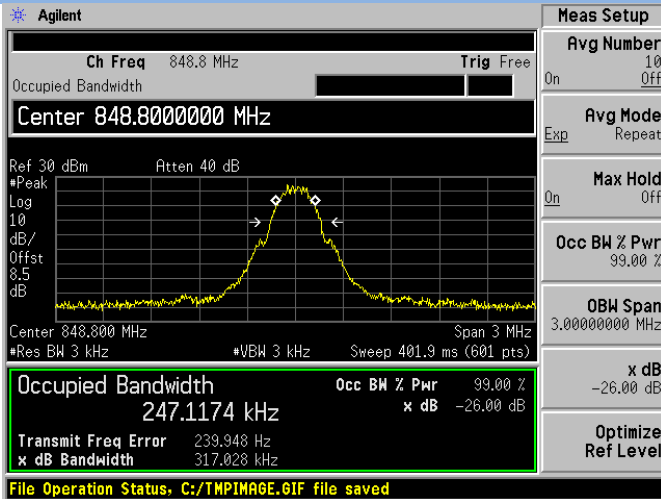
EGPRS 850 MHz LCH



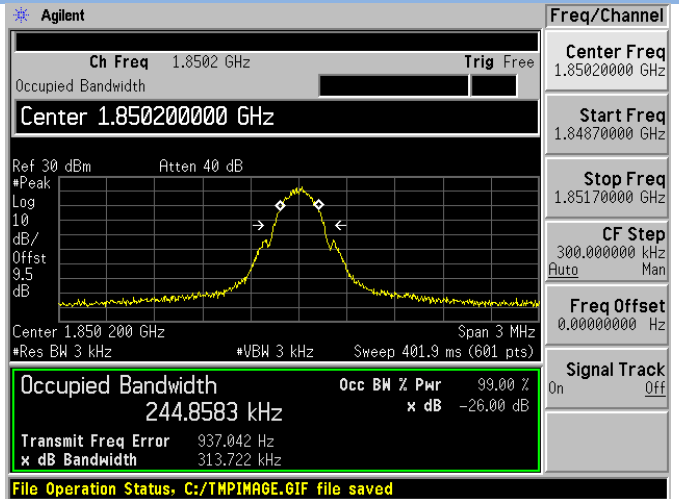
EGPRS 850 MHz MCH



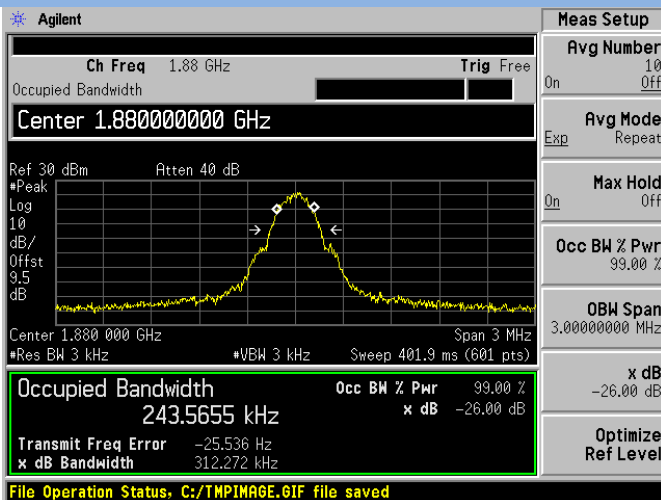
EGPRS 850 MHz HCH



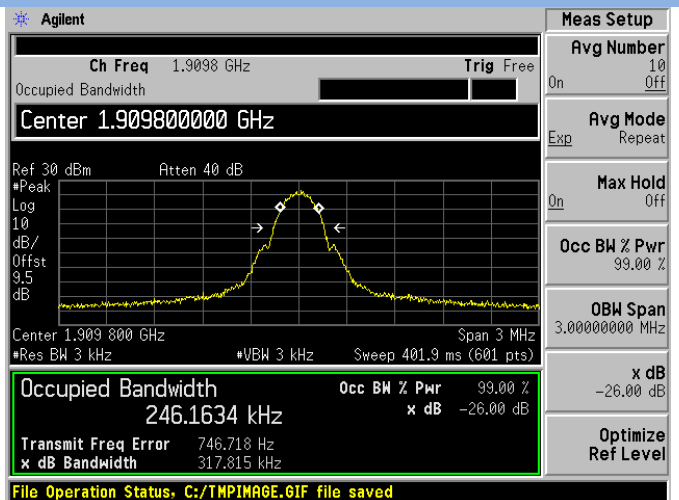
EGPRS 1900 MHz LCH



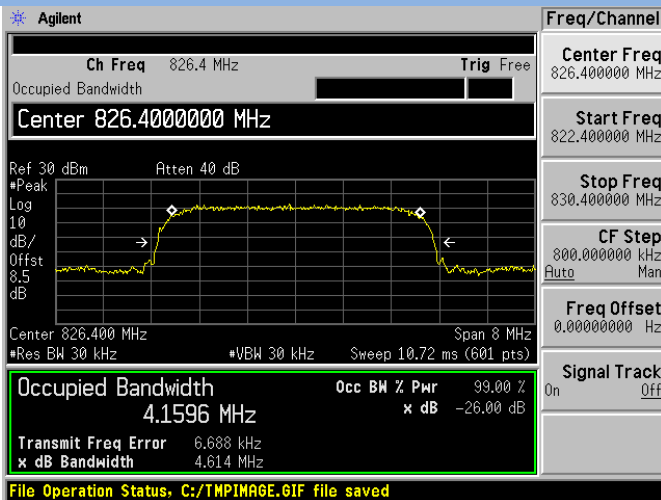
EGPRS 1900 MHz MCH



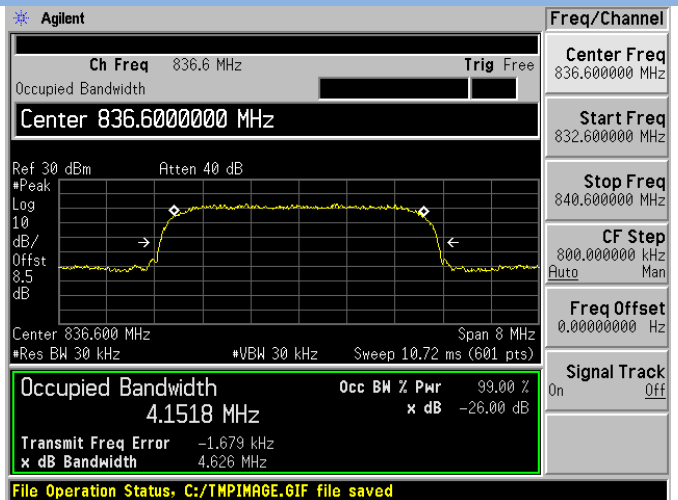
EGPRS 1900 MHz HCH



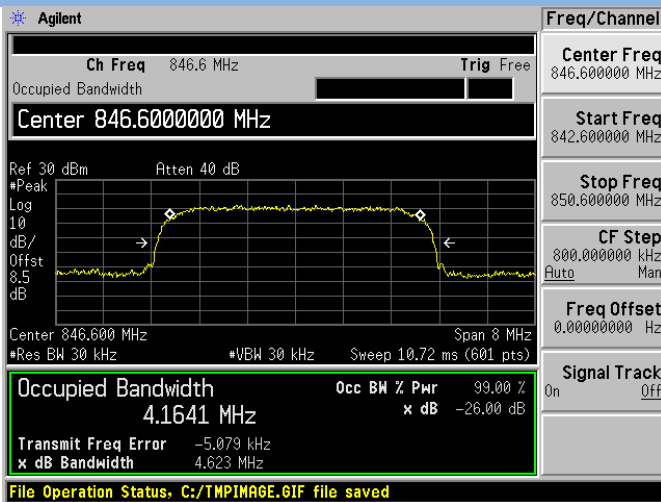
WCDMA 850 MHz LCH



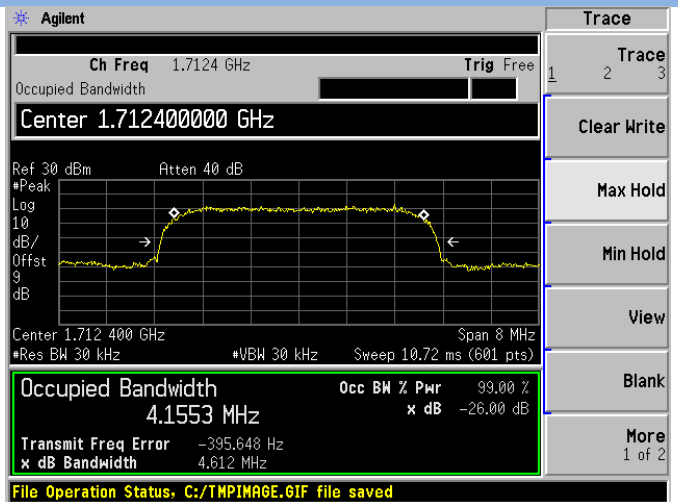
WCDMA 850 MHz MCH



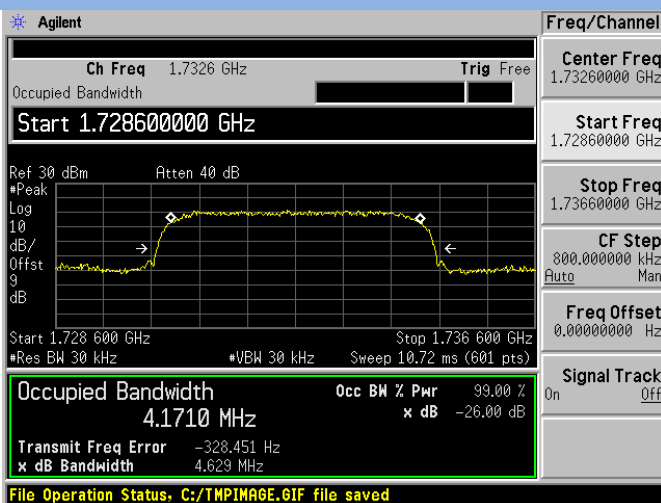
WCDMA 850 MHz HCH



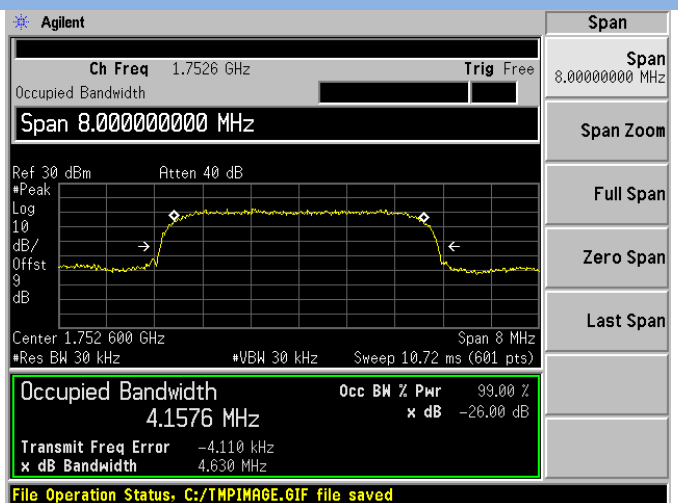
WCDMA 1700 MHz LCH



WCDMA 1700 MHz MCH



WCDMA 1700 MHz HCH



WCDMA 1900 MHz LCH

Agilent

Ch Freq 1.8524 GHz Trig Free

Occupied Bandwidth

VBW 30.0 kHz

Ref 30 dBm Atten 40 dB

#Peak Log 10 dB/Offst 9.5 dB

Center 1.852 400 GHz Span 8 MHz
#Res BW 30 kHz #VBW 30 kHz Sweep 10.72 ms (601 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.1538 MHz	x dB	-26.00 dB
Transmit Freq Error		-7.773 kHz
x dB Bandwidth		4.633 MHz

Trace 1 2 3

Clear Write

Max Hold

Min Hold

View

Blank

More 1 of 2

File Operation Status. C:/TMPIMAGE.GIF file saved

WCDMA 1900 MHz MCH

Agilent

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth

Center 1.880000000 GHz

Ref 30 dBm Atten 40 dB

#Peak Log 10 dB/Offst 9.5 dB

Center 1.880 000 GHz Span 8 MHz
#Res BW 30 kHz #VBW 30 kHz Sweep 10.72 ms (601 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.1640 MHz	x dB	-26.00 dB
Transmit Freq Error		-3.064 kHz
x dB Bandwidth		4.623 MHz

Freq/Channel

Center Freq 1.88000000 GHz

Start Freq 1.87600000 GHz

Stop Freq 1.88400000 GHz

CF Step 800.000000 kHz
Auto Man

Freq Offset 0.00000000 Hz

Signal Track On Off

File Operation Status. C:/TMPIMAGE.GIF file saved

WCDMA 1900 MHz HCH

Agilent

Ch Freq 1.9076 GHz Trig Free

Occupied Bandwidth

Center 1.907600000 GHz

Ref 30 dBm Atten 40 dB

#Peak Log 10 dB/Offst 9.5 dB

Center 1.907 600 GHz Span 8 MHz
#Res BW 30 kHz #VBW 30 kHz Sweep 10.72 ms (601 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.1781 MHz	x dB	-26.00 dB
Transmit Freq Error		7.724 kHz
x dB Bandwidth		4.638 MHz

Freq/Channel

Center Freq 1.90760000 GHz

Start Freq 1.90360000 GHz

Stop Freq 1.91160000 GHz

CF Step 800.000000 kHz
Auto Man

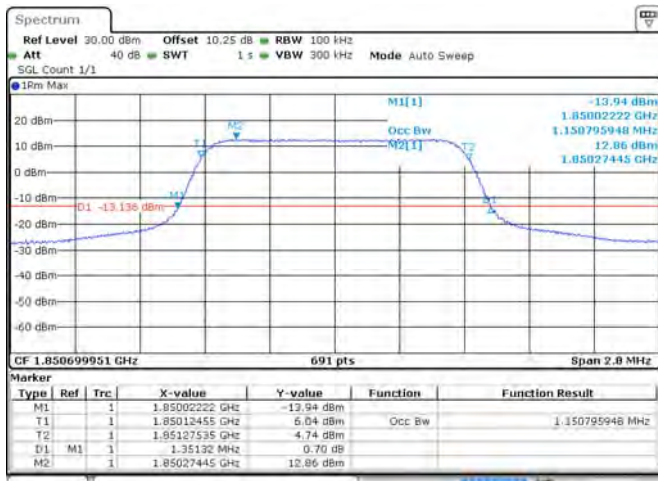
Freq Offset 0.00000000 Hz

Signal Track On Off

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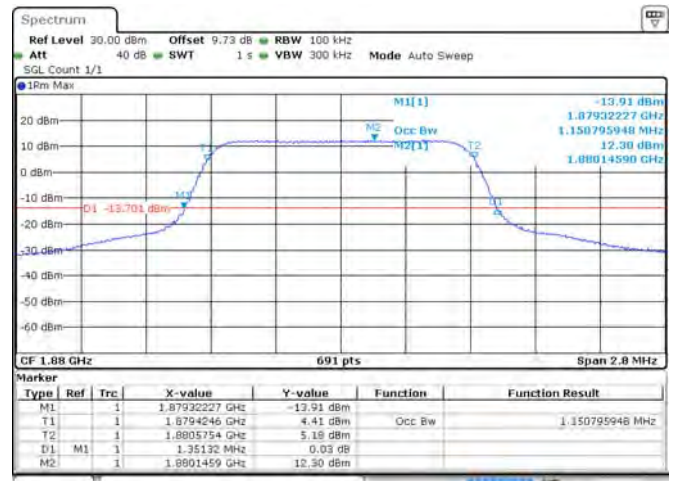
LTE Mode Test Plots

Band 2 QPSK 1.4 MHz Bandwidth RB6#0 LCH



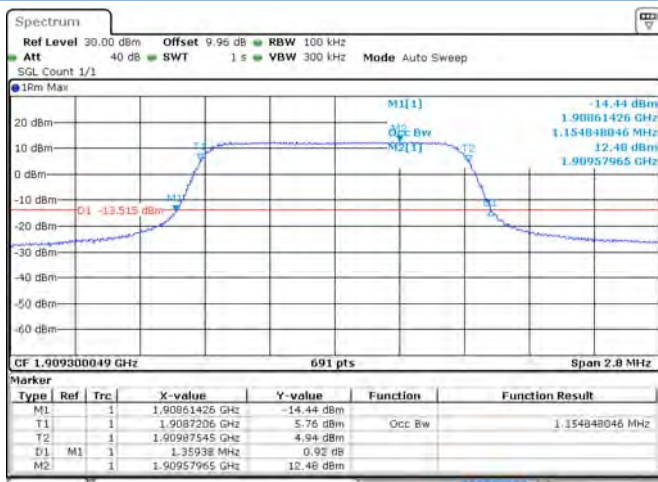
Date 24 AUG 2015 22:22:22

Band 2 QPSK 1.4 MHz Bandwidth RB6#0 MCH



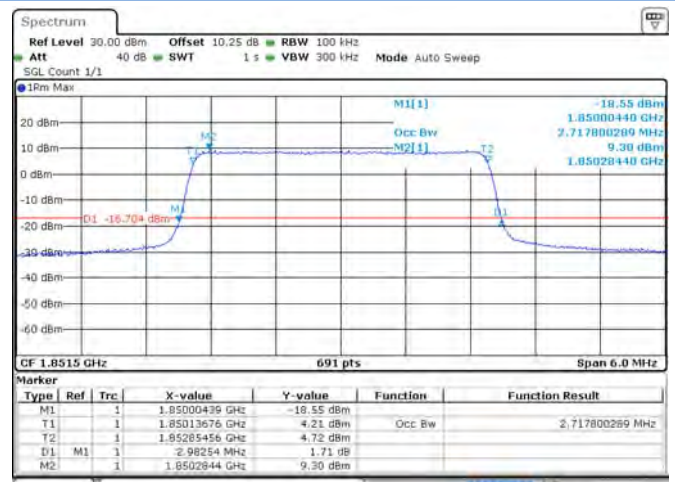
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Band 2 QPSK 1.4 MHz Bandwidth RB15#0 HCH



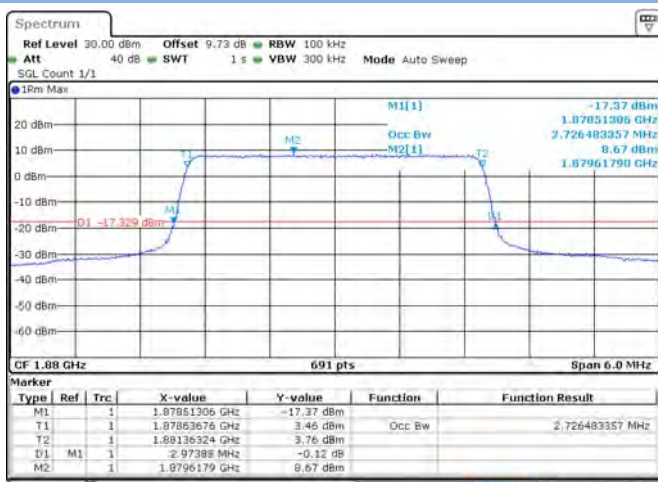
Date 24 AUG 2015 22:23:11

Band 2 QPSK 3 MHz Bandwidth RB15#0 LCH



Date 24 AUG 2015 22:23:41

Band 2 QPSK 3 MHz Bandwidth RB15#0 MCH



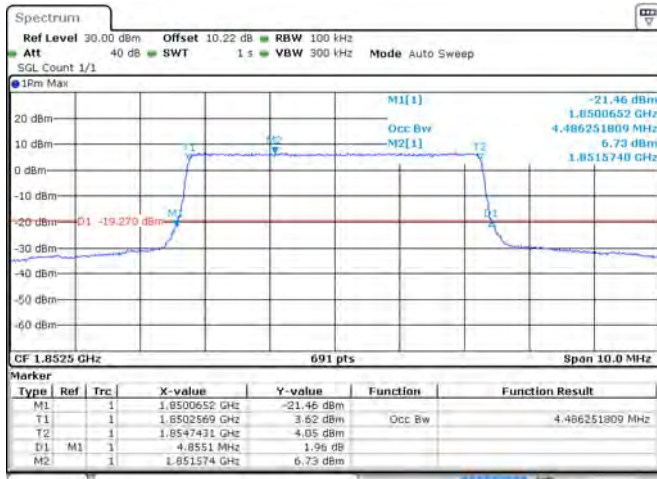
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Band 2 QPSK 3 MHz Bandwidth RB15#0 HCH



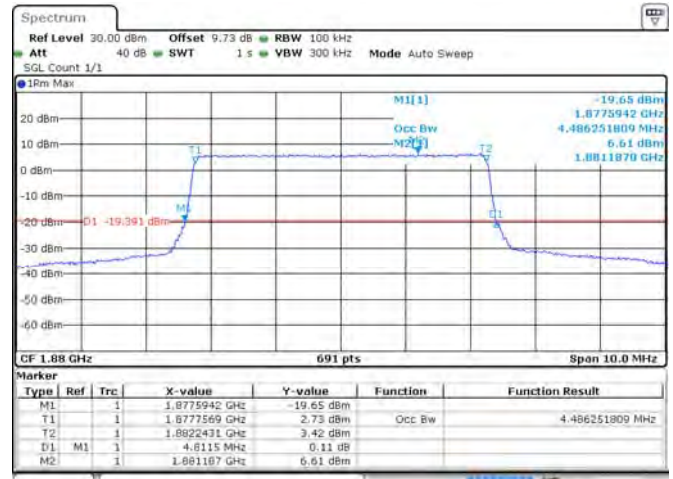
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Band 2 QPSK 5 MHz Bandwidth RB25#0 LCH



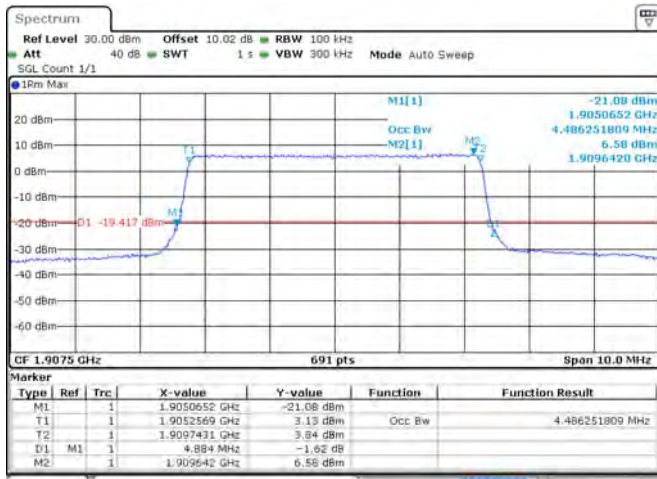
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Band 2 QPSK 5 MHz Bandwidth RB25#0 MCH



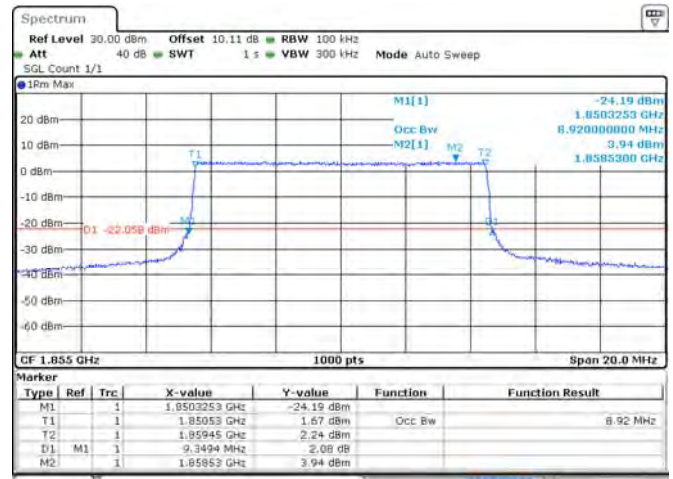
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Band 2 QPSK 5 MHz Bandwidth RB25#0 HCH



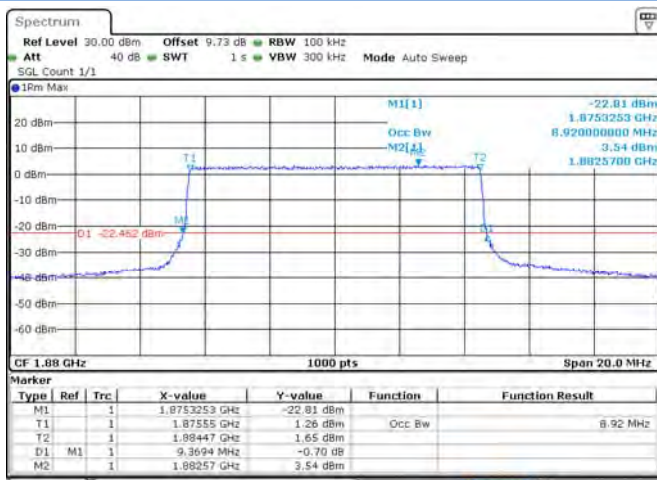
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Band 2 QPSK 10 MHz Bandwidth RB50#0 LCH



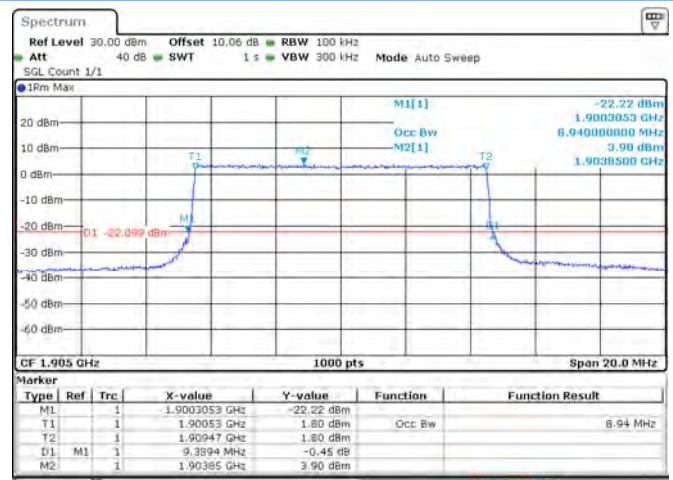
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Band 2 QPSK 10 MHz Bandwidth RB50#0 MCH



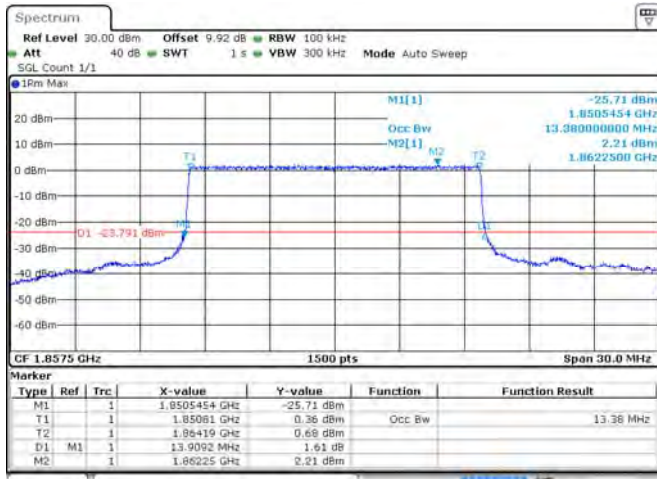
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Band 2 QPSK 10 MHz Bandwidth RB50#0 HCH



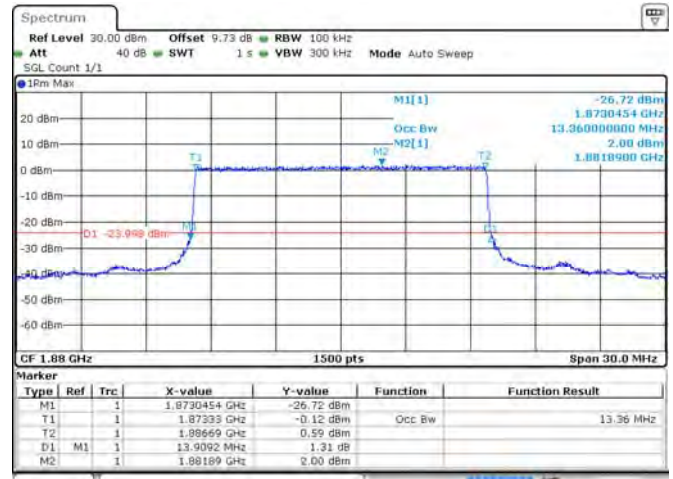
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Band 2 QPSK 15 MHz Bandwidth RB75#0 LCH



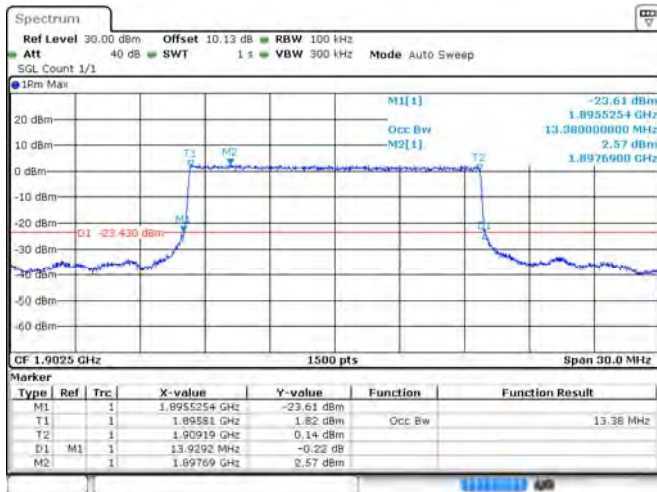
Date 24 AUG 2015 22:27:38

Band 2 QPSK 15 MHz Bandwidth RB75#0 MCH



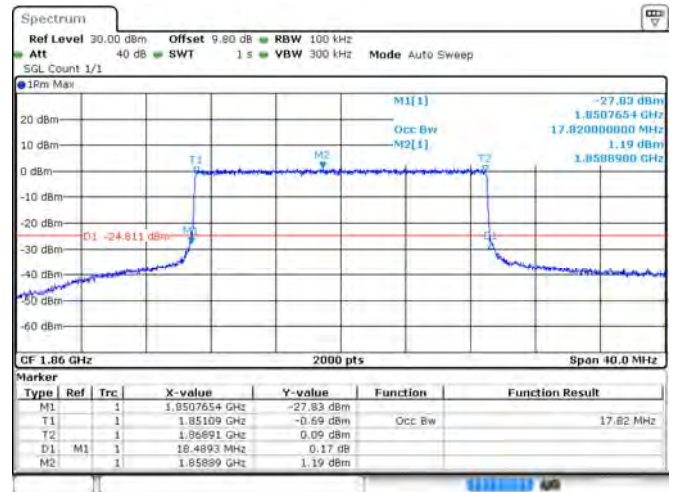
Date 24 AUG 2015 22:28:02

Band 2 QPSK 15 MHz Bandwidth RB75#0 HCH



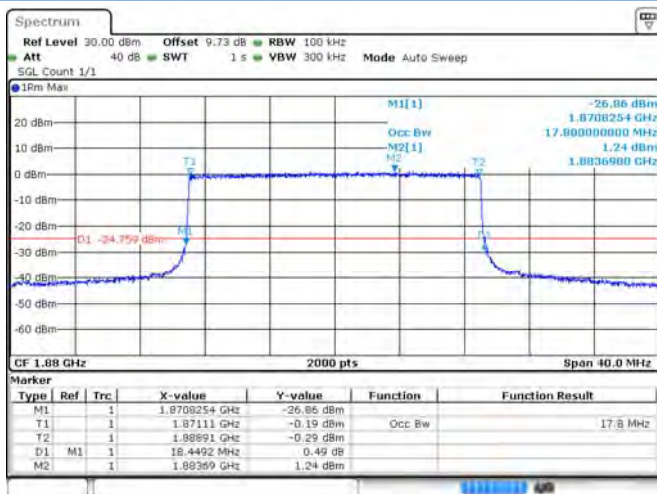
Date 24 AUG 2015 22:28:27

Band 2 QPSK 20 MHz Bandwidth RB100#0 LCH



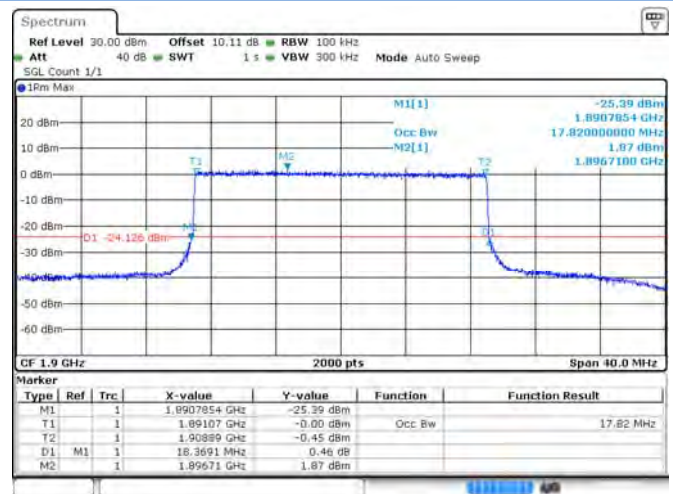
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Band 2 QPSK 20 MHz Bandwidth RB100#0 MCH



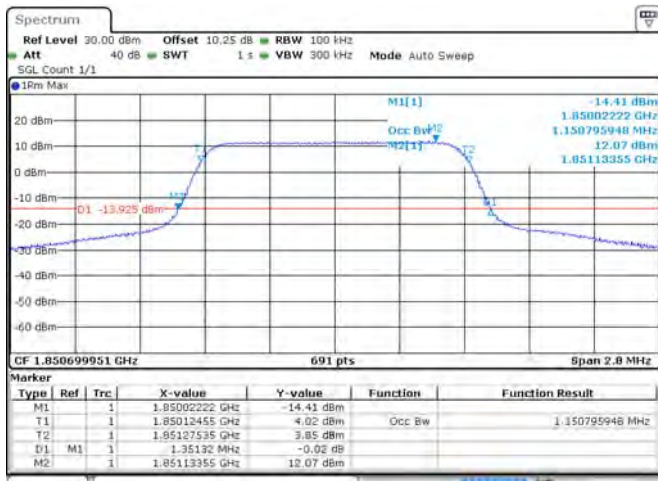
Date 24 AUG 2015 22:29:22

Band 2 QPSK 20 MHz Bandwidth RB100#0 HCH



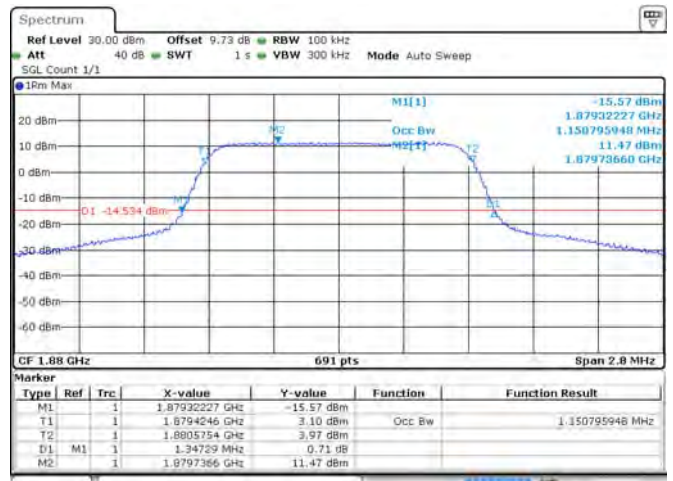
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Band 2 16-QAM 1.4 MHz Bandwidth RB6#0 LCH



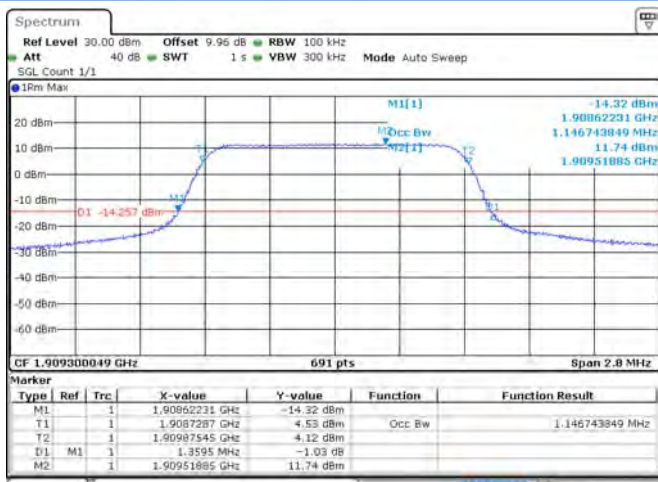
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Band 2 16-QAM 1.4 MHz Bandwidth RB6#0 MCH



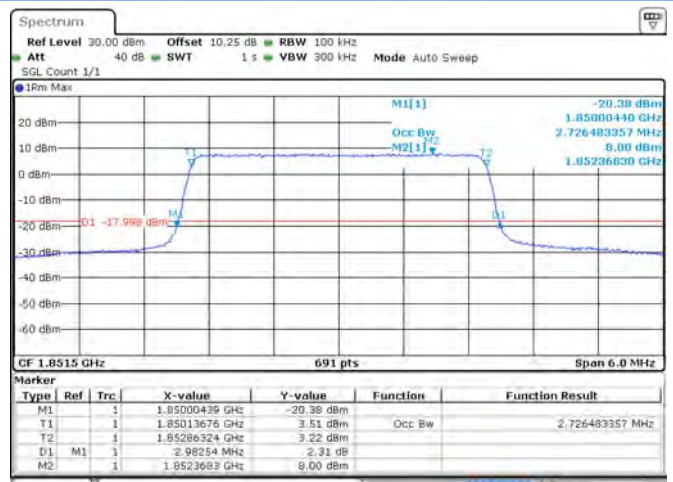
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Band 2 16-QAM 1.4 MHz Bandwidth RB6#0 HCH



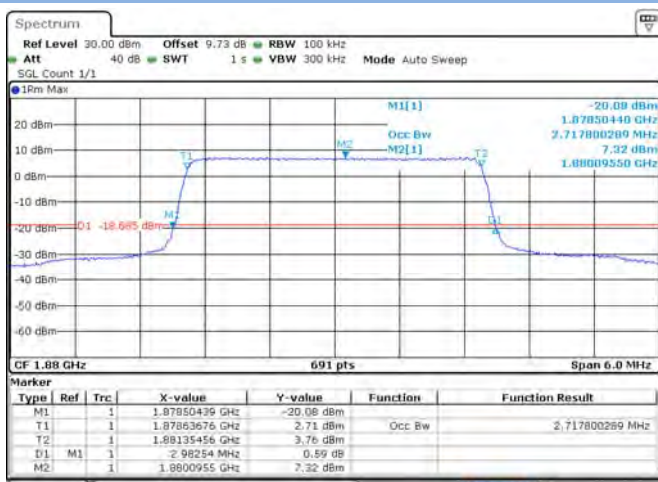
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Band 2 16-QAM 3 MHz Bandwidth RB15#0 LCH



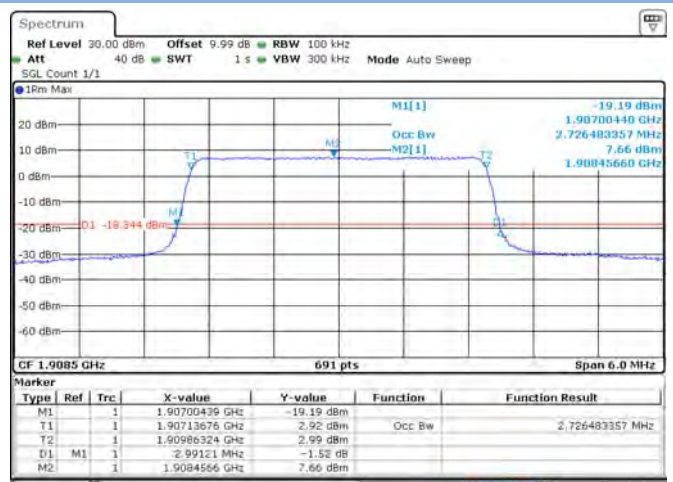
Date 24 AUG 2015 22:23:52

Band 2 16-QAM 3 MHz Bandwidth RB15#0 MCH



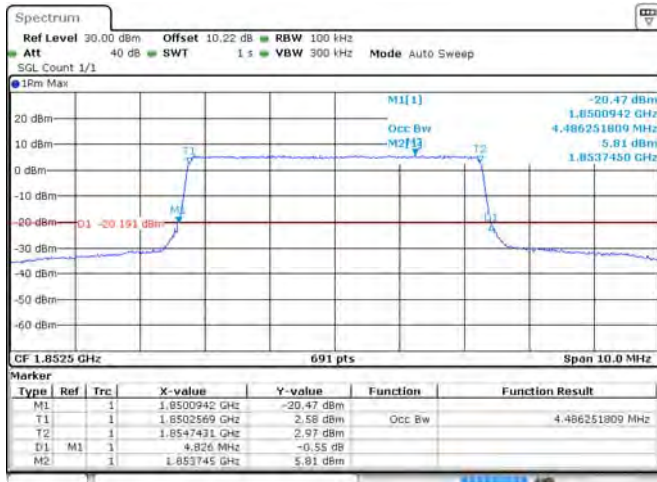
Date 24 AUG 2015 22:24:16

Band 2 16-QAM 3 MHz Bandwidth RB15#0 HCH



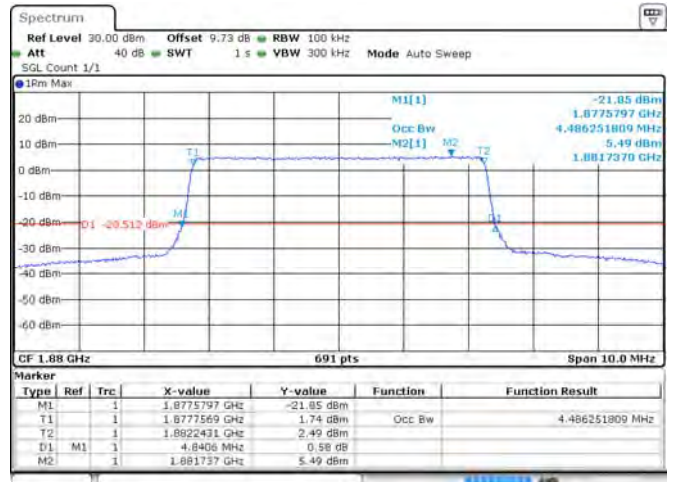
Date 24 AUG 2015 22:24:41

Band 2 16-QAM 5 MHz Bandwidth RB25#0 LCH



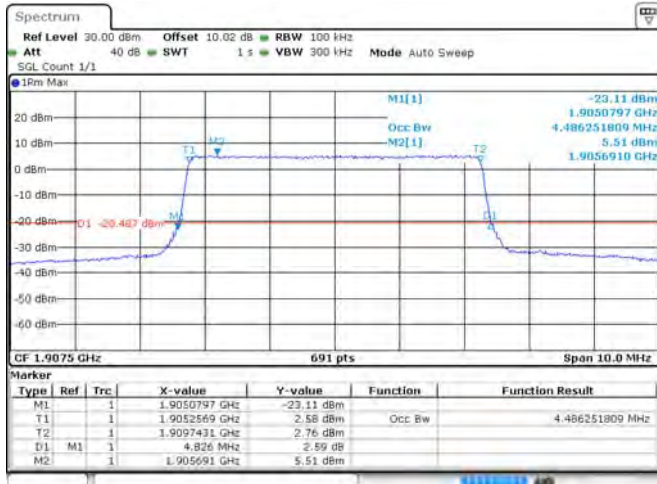
Date 24 AUG 2015 22:25:11

Band 2 16-QAM 5 MHz Bandwidth RB25#0 MCH



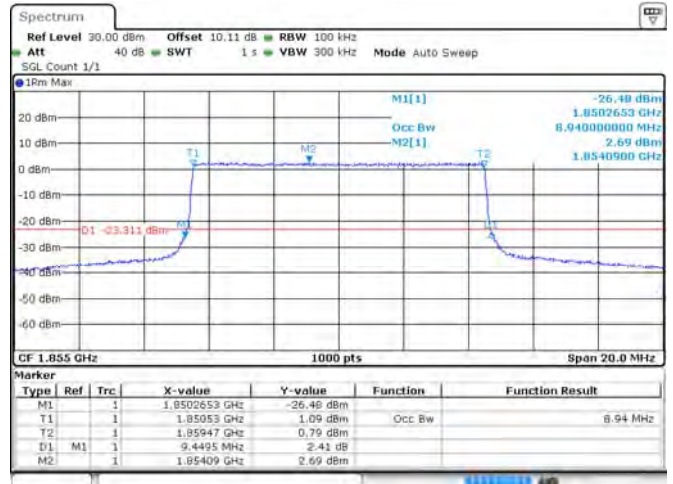
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Band 2 16-QAM 5 MHz Bandwidth RB25#0 HCH



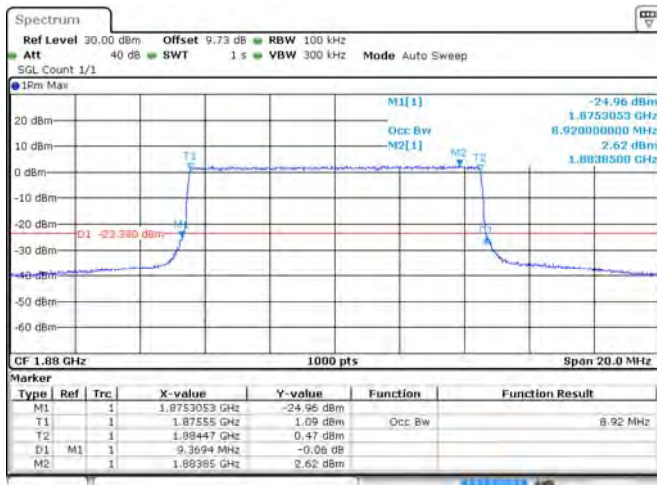
Date 24 AUG 2015 22:25:58

Band 2 16-QAM 10 MHz Bandwidth RB50#0 LCH



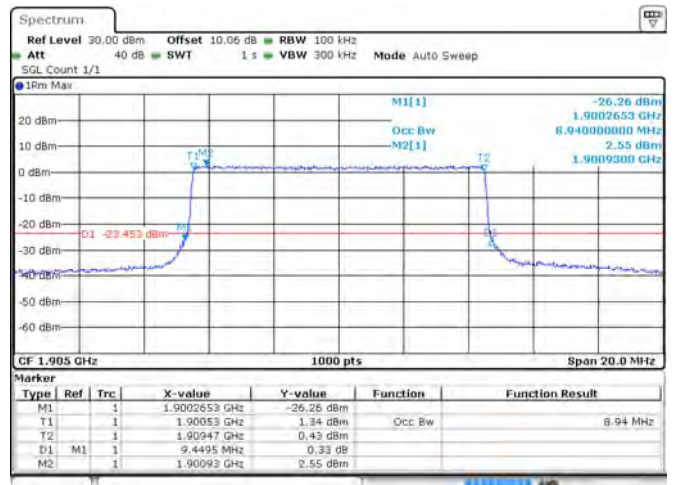
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Band 2 16-QAM 10 MHz Bandwidth RB50#0 MCH



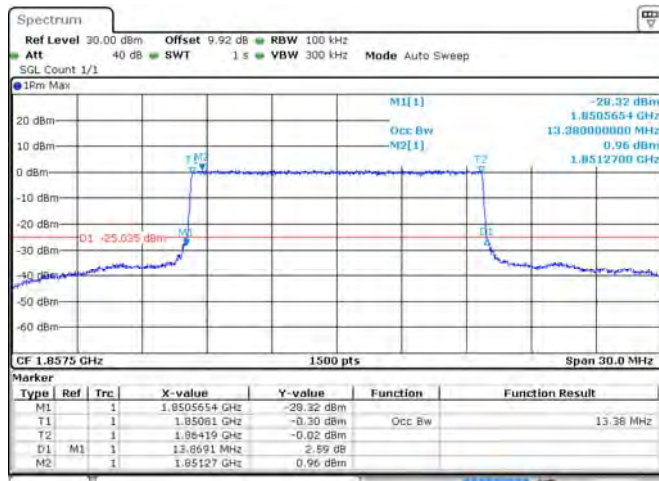
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Band 2 16-QAM 10 MHz Bandwidth RB50#0 HCH



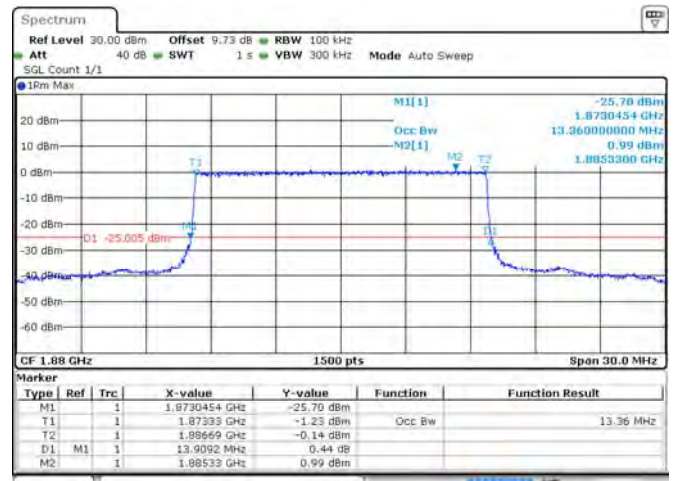
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Band 2 16-QAM 15 MHz Bandwidth RB75#0 LCH



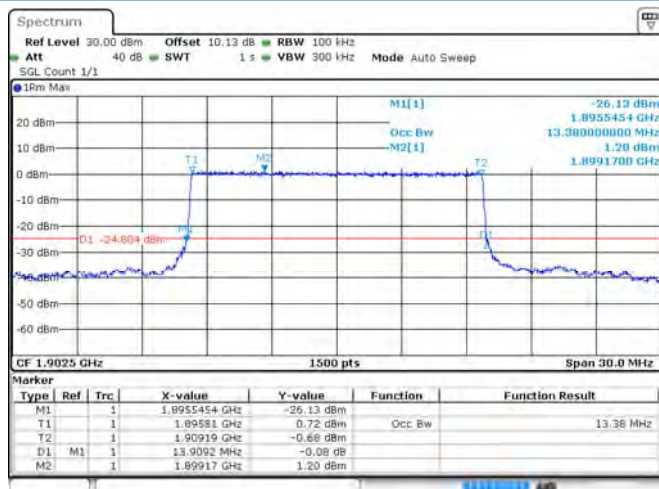
Date 24 AUG 2015 22:27:48

Band 2 16-QAM 15 MHz Bandwidth RB75#0 MCH



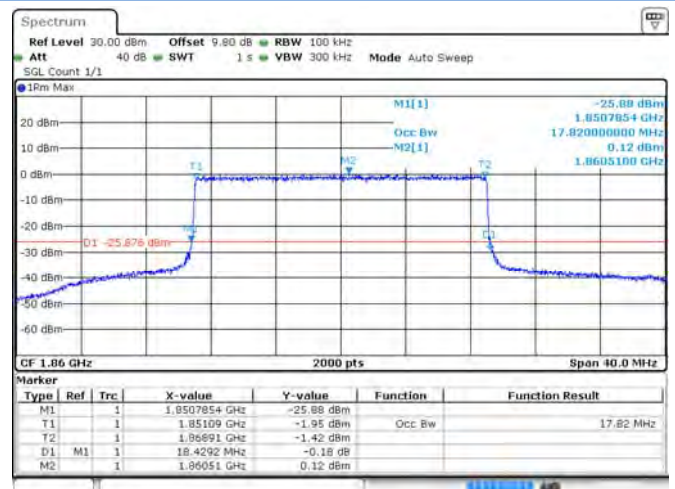
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Band 2 16-QAM 15 MHz Bandwidth RB75#0 HCH



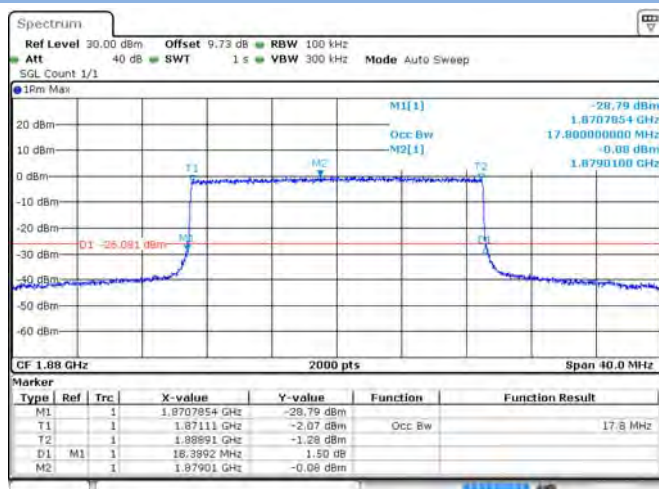
Date 24 AUG 2015 22:28:38

Band 2 16-QAM 20 MHz Bandwidth RB100#0 LCH



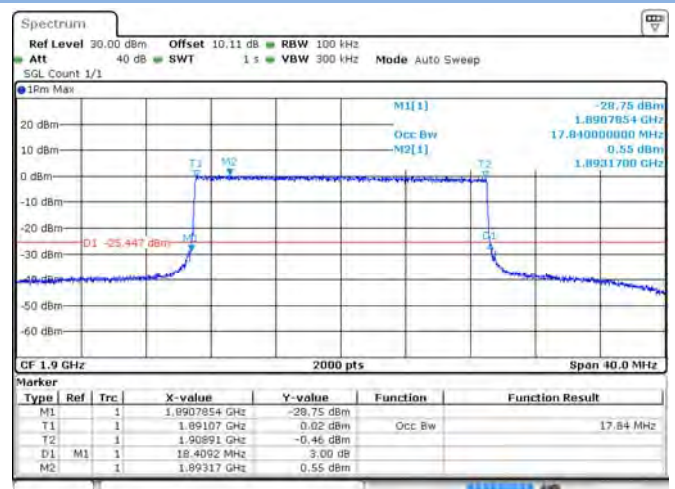
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Band 2 16-QAM 20 MHz Bandwidth RB100#0 MCH



Date 24 AUG 2015 22:29:33

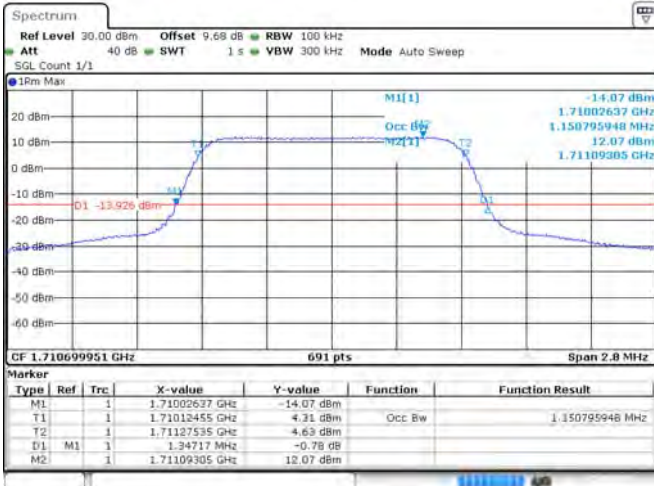
Band 2 16-QAM 20 MHz Bandwidth RB100#0 HCH



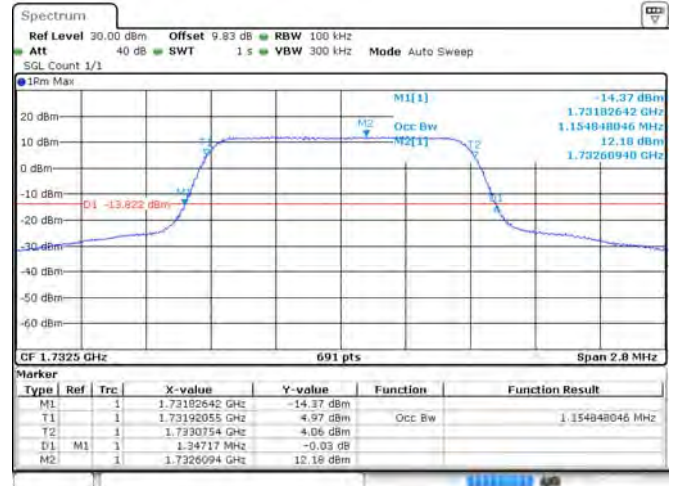
Date 24 AUG 2015 22:29:57

Band 4 QPSK 1.4 MHz Bandwidth RB6#0 LCH

Band 4 QPSK 1.4 MHz Bandwidth RB6#0 MCH



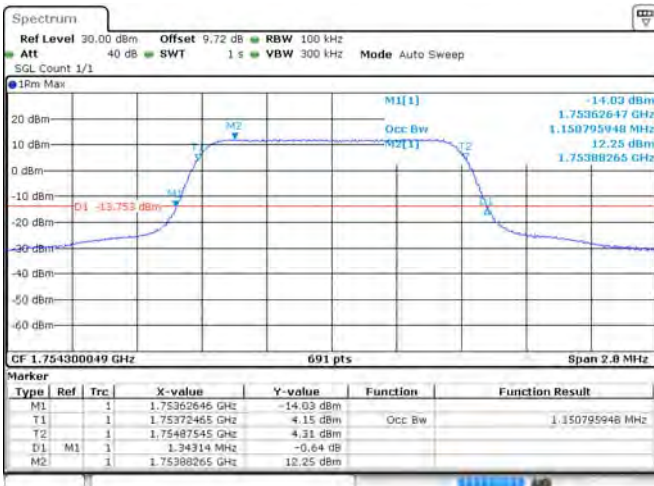
Date: 25 AUG 2015 22:49:11



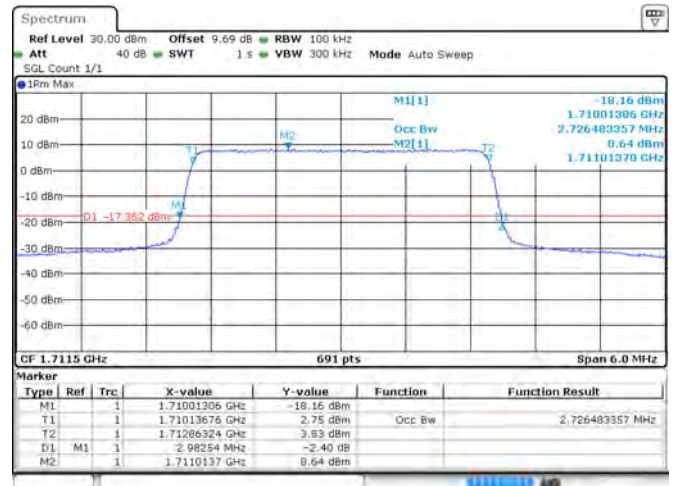
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Band 4 QPSK 1.4 MHz Bandwidth RB6#0 HCH

Band 4 QPSK 3 MHz Bandwidth RB15#0 LCH



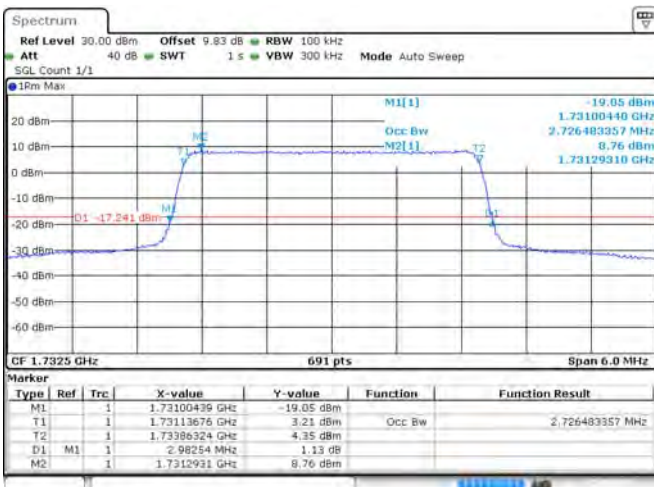
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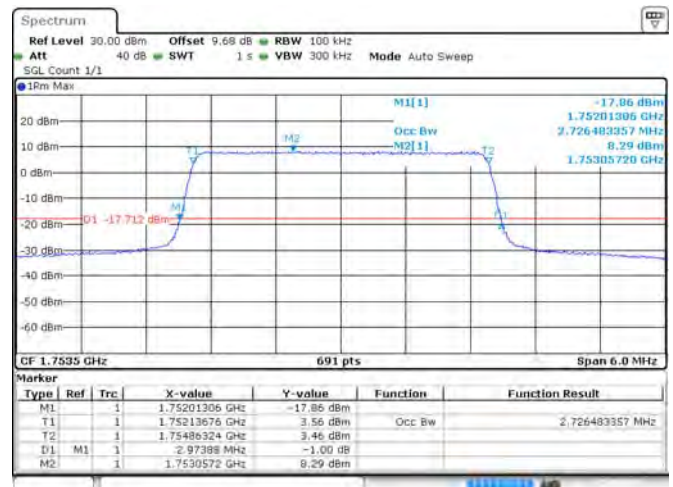
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Band 4 QPSK 3 MHz Bandwidth RB15#0 MCH

Band 4 QPSK 3 MHz Bandwidth RB15#0 HCH

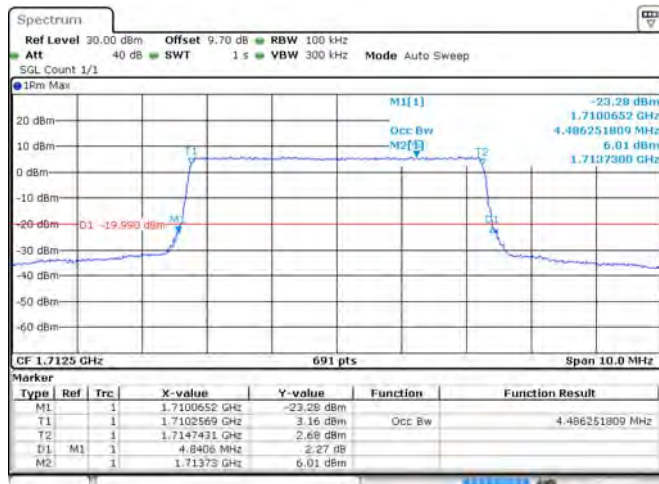


Date: 25 AUG 2015 22:52:03



Date: 25 AUG 2015 22:52:27

Band 4 QPSK 5 MHz Bandwidth RB25#0 LCH



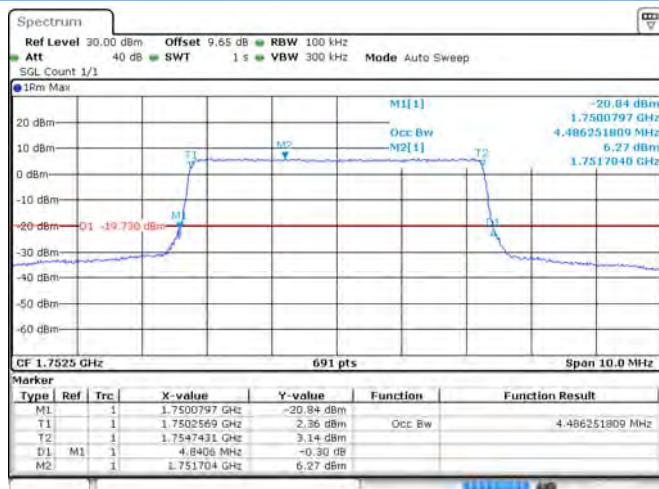
Date 25 AUG 2015 22:58:32

Band 4 QPSK 5 MHz Bandwidth RB25#0 MCH



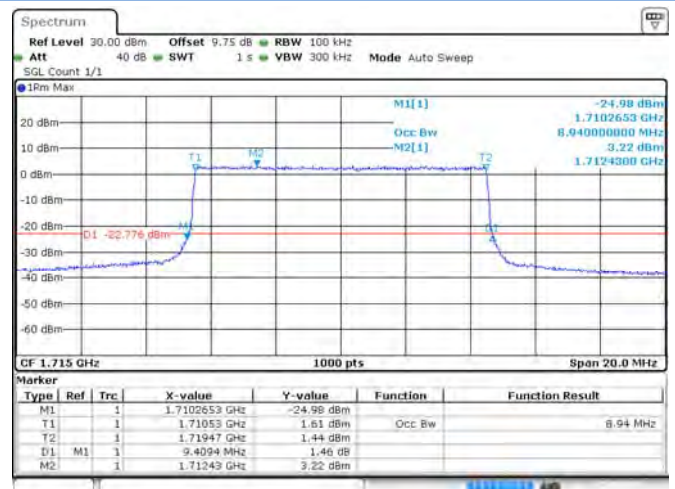
Date 25 AUG 2015 22:58:59

Band 4 QPSK 5 MHz Bandwidth RB25#0 HCH



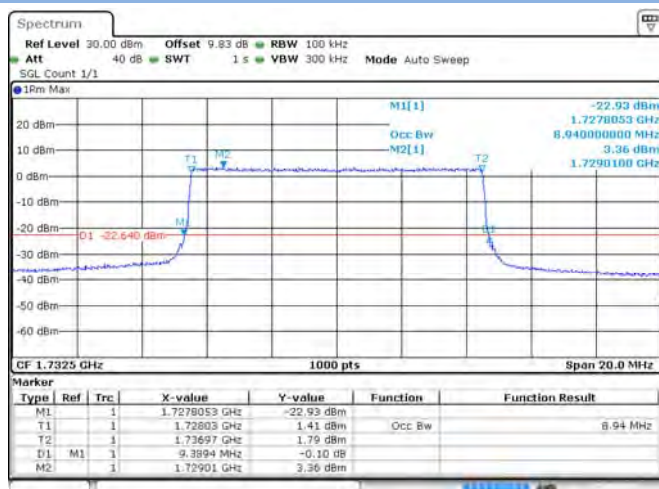
Date 25 AUG 2015 22:57:23

Band 4 QPSK 10 MHz Bandwidth RB50#0 LCH



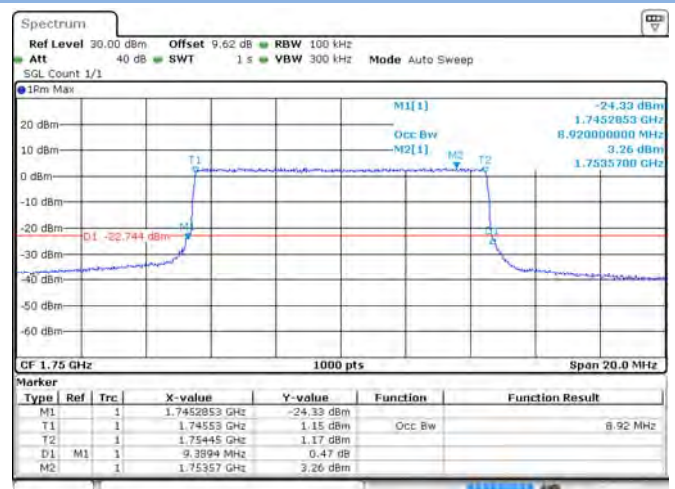
Date 25 AUG 2015 22:58:48

Band 4 QPSK 10 MHz Bandwidth RB50#0 MCH



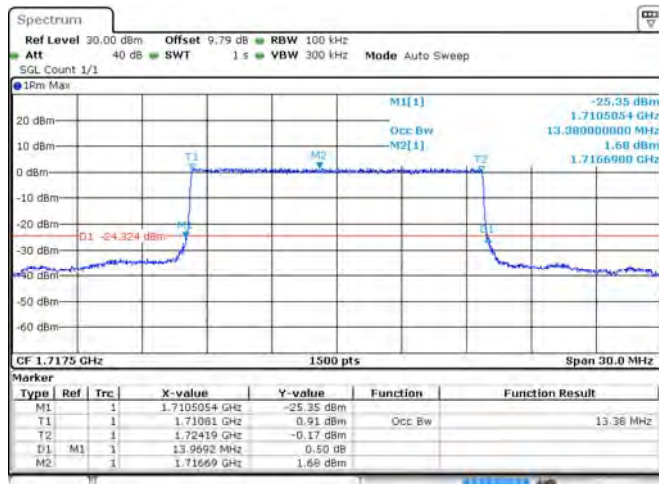
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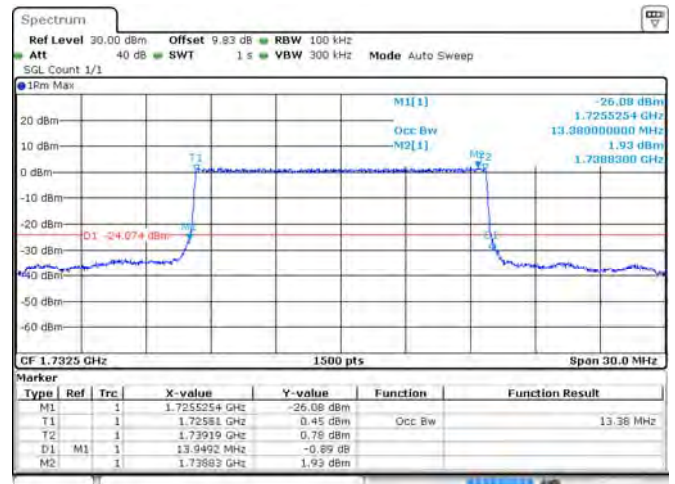
Date 25 AUG 2015 22:59:36

Band 4 QPSK 15 MHz Bandwidth RB75#0 LCH



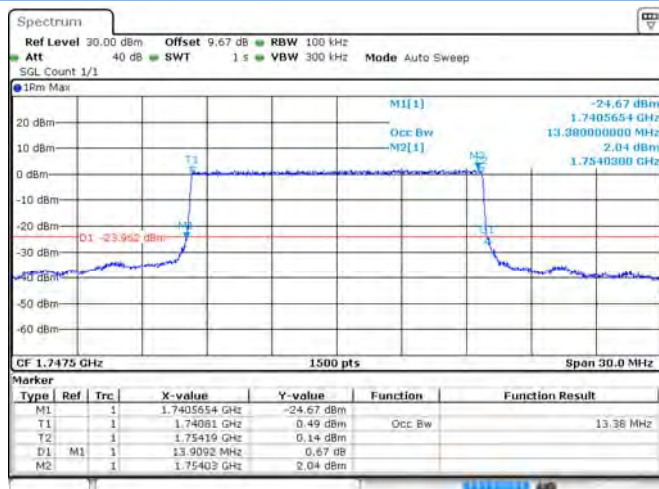
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Band 4 QPSK 15 MHz Bandwidth RB75#0 MCH



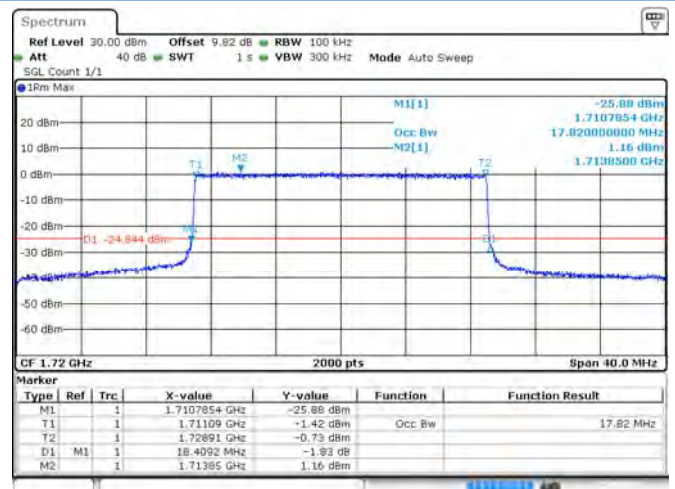
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Band 4 QPSK 15 MHz Bandwidth RB75#0 HCH



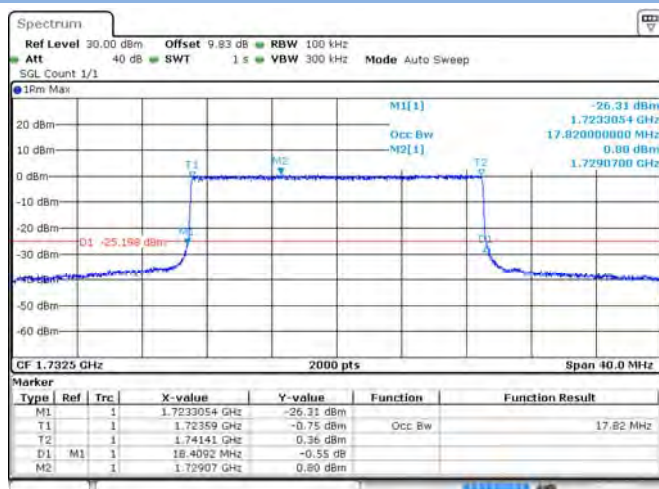
Date 25 AUG 2015 23:02:22

Band 4 QPSK 20 MHz Bandwidth RB100#0 LCH



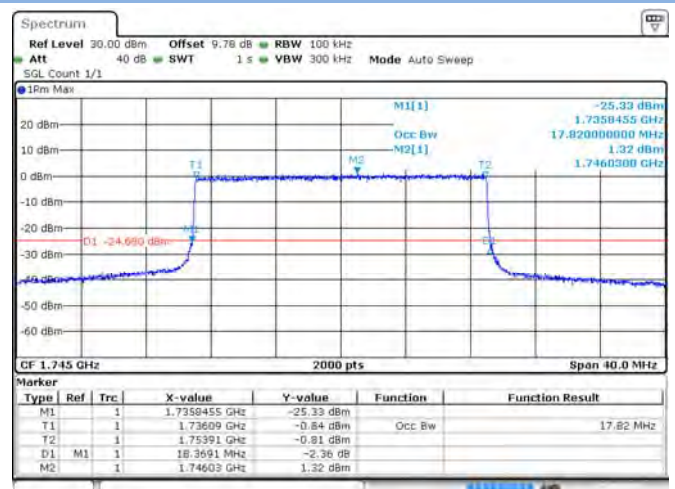
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Band 4 QPSK 20 MHz Bandwidth RB100#0 MCH



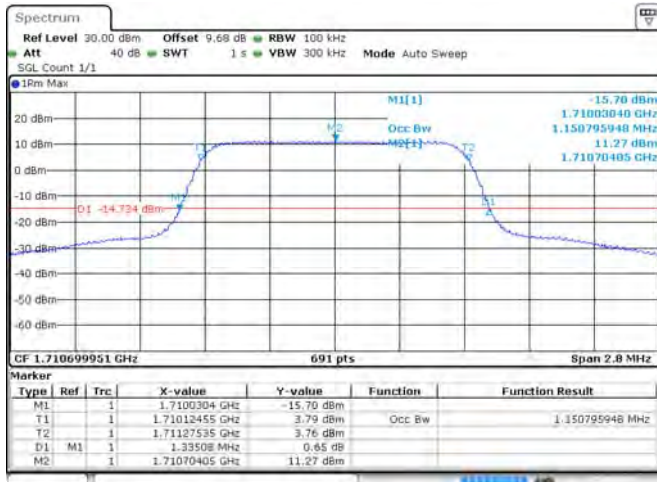
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Band 4 QPSK 20 MHz Bandwidth RB100#0 HCH



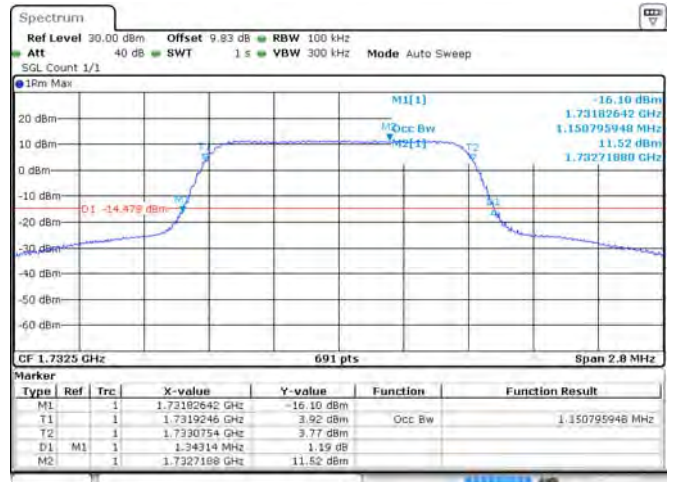
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Band 4 16-QAM 1.4 MHz Bandwidth RB6#0 LCH



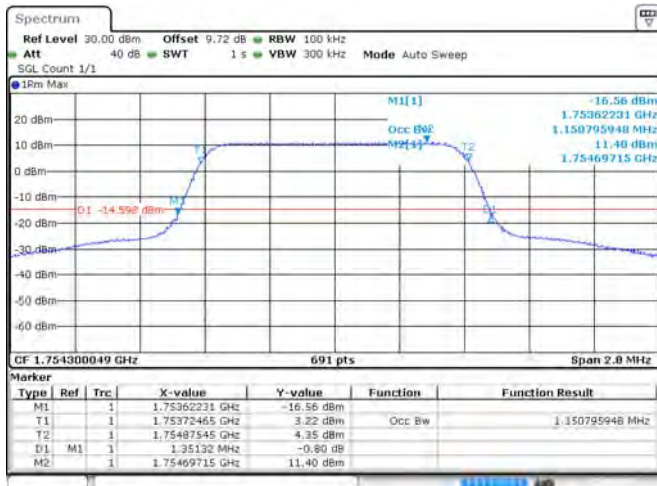
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Band 4 16-QAM 1.4 MHz Bandwidth RB6#0 MCH



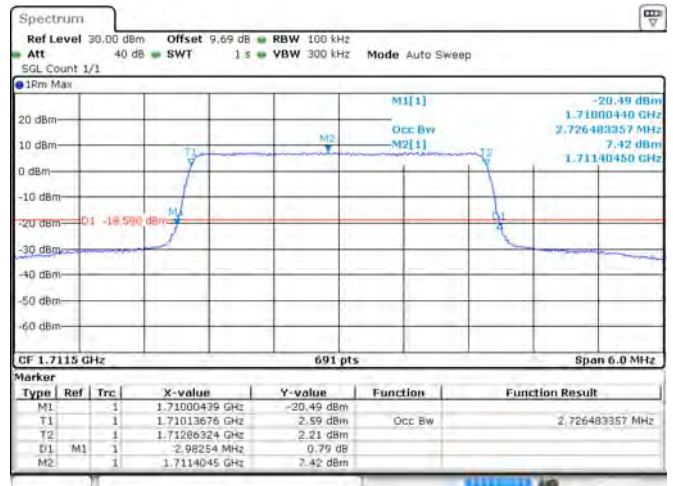
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Band 4 16-QAM 1.4 MHz Bandwidth RB6#0 HCH



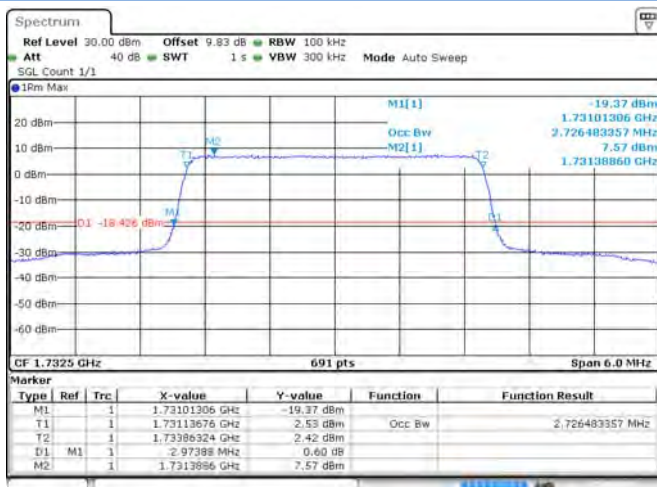
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Band 4 16-QAM 3 MHz Bandwidth RB15#0 LCH



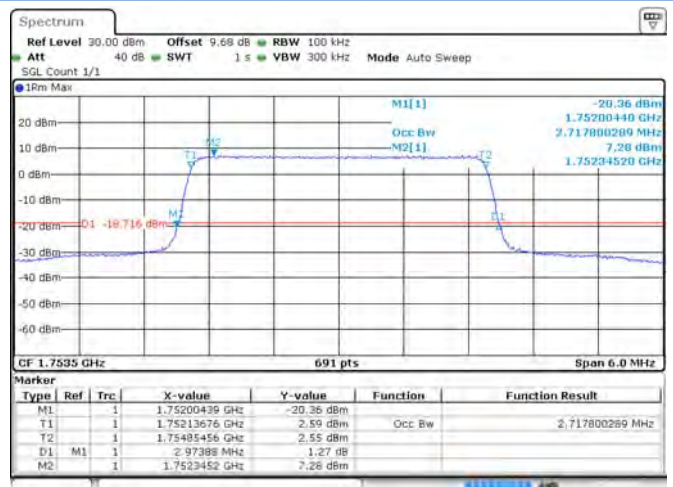
Date 25 AUG 2015 22:51:49

Band 4 16-QAM 3 MHz Bandwidth RB15#0 MCH



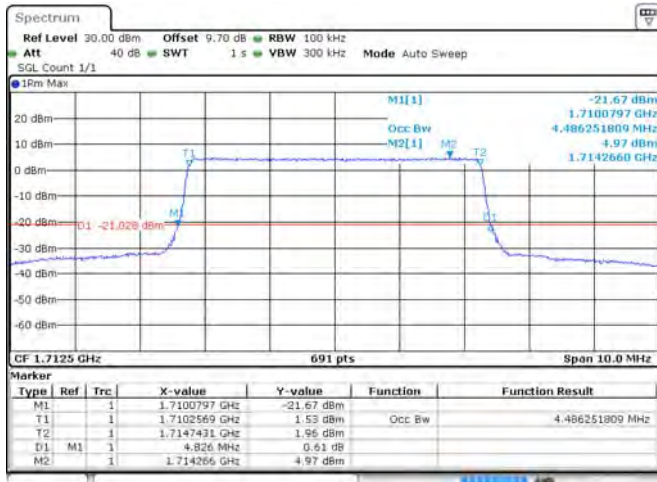
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Band 4 16-QAM 3 MHz Bandwidth RB15#0 HCH



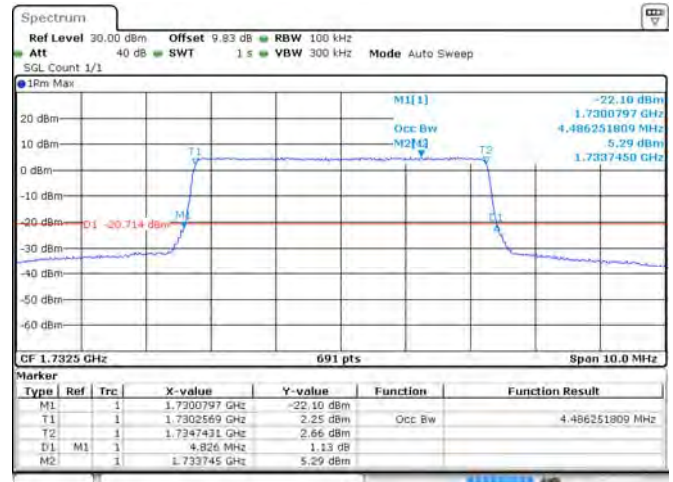
Date 25 AUG 2015 22:52:38

Band 4 16-QAM 5 MHz Bandwidth RB25#0 LCH



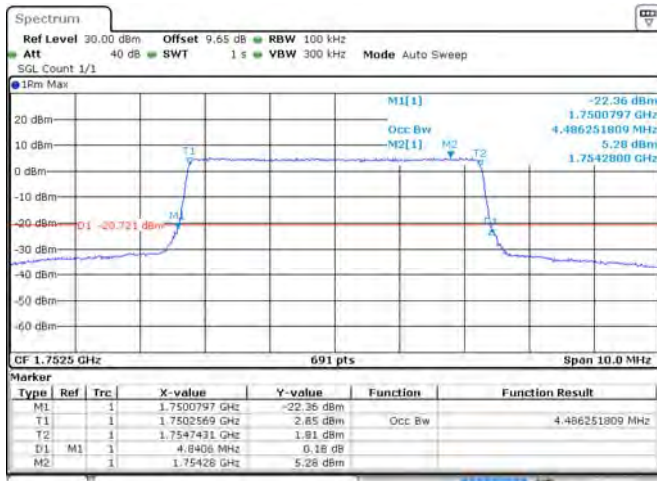
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Band 4 16-QAM 5 MHz Bandwidth RB25#0 MCH



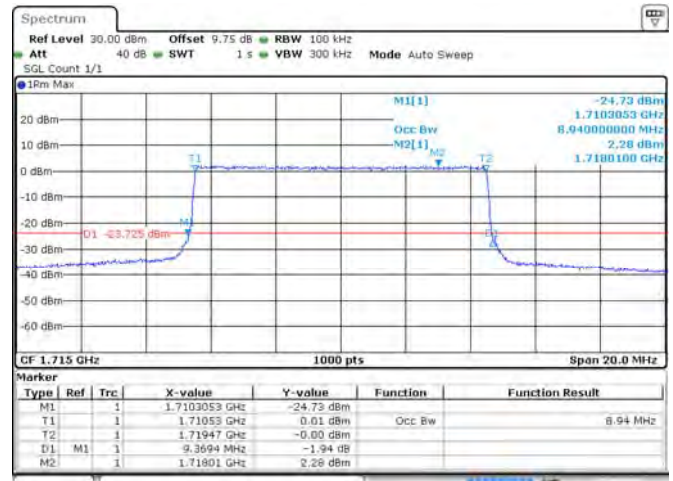
Date 25 AUG 2015 22:57:10

Band 4 16-QAM 5 MHz Bandwidth RB25#0 HCH



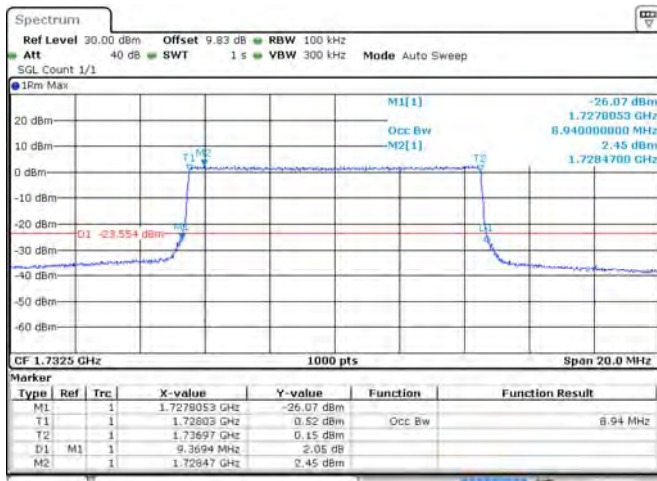
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Band 4 16-QAM 10 MHz Bandwidth RB50#0 LCH



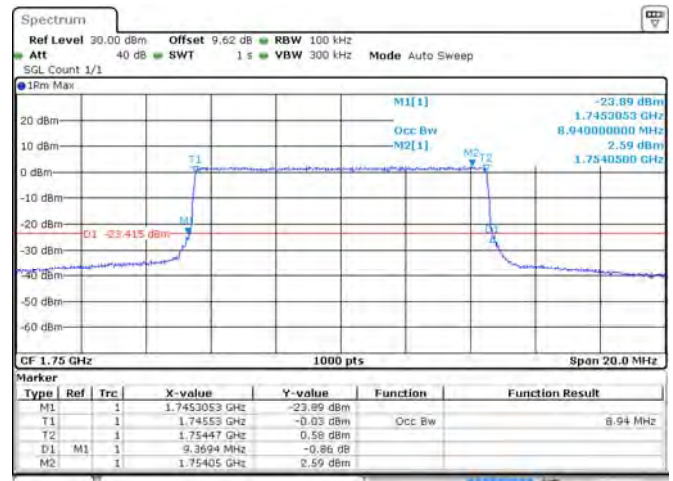
Date 25 AUG 2015 22:58:58

Band 4 16-QAM 10 MHz Bandwidth RB50#0 MCH



Date 25 AUG 2015 22:58:23

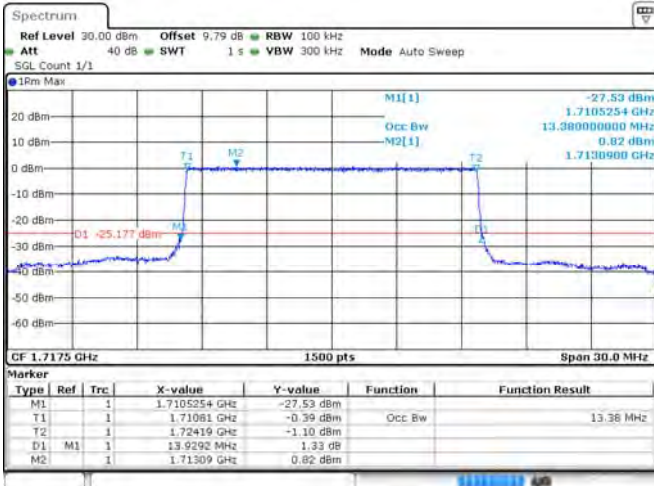
Band 4 16-QAM 10 MHz Bandwidth RB50#0 HCH



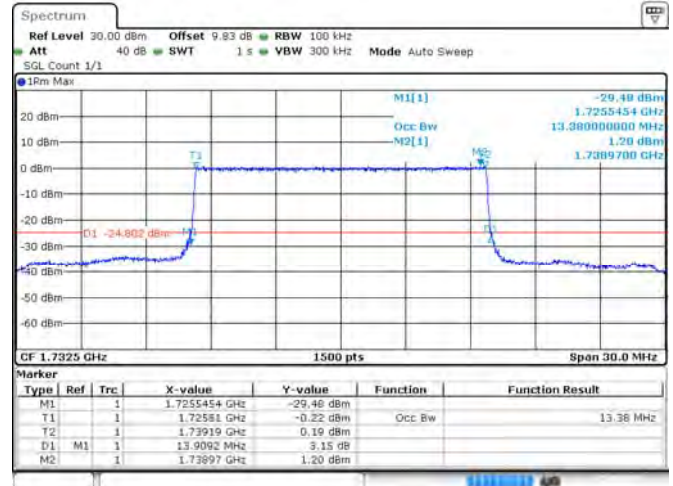
Date 25 AUG 2015 22:59:47

Band 4 16-QAM 15 MHz Bandwidth RB75#0 LCH

Band 4 16-QAM 15 MHz Bandwidth RB75#0 MCH



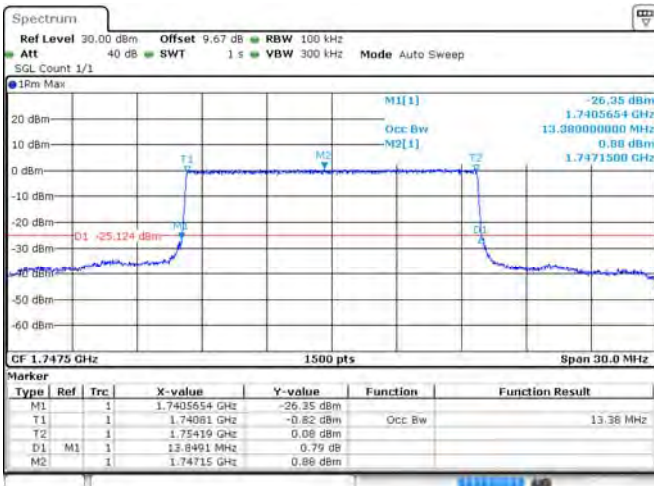
Date: 25 AUG 2015 23:01:44



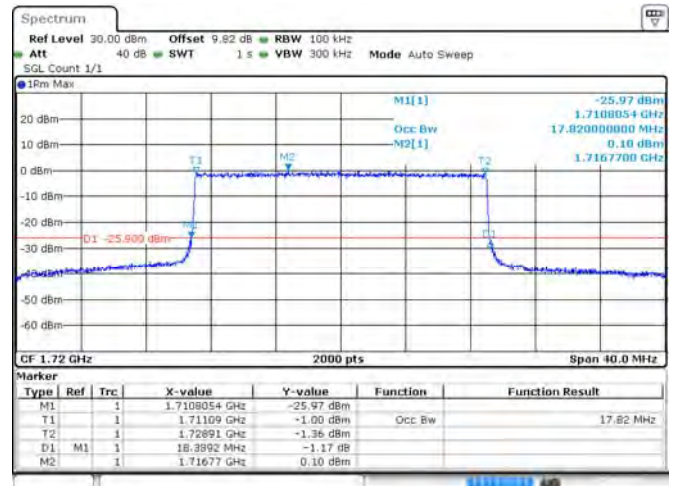
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Band 4 16-QAM 15 MHz Bandwidth RB75#0 HCH

Band 4 16-QAM 20 MHz Bandwidth RB100#0 LCH



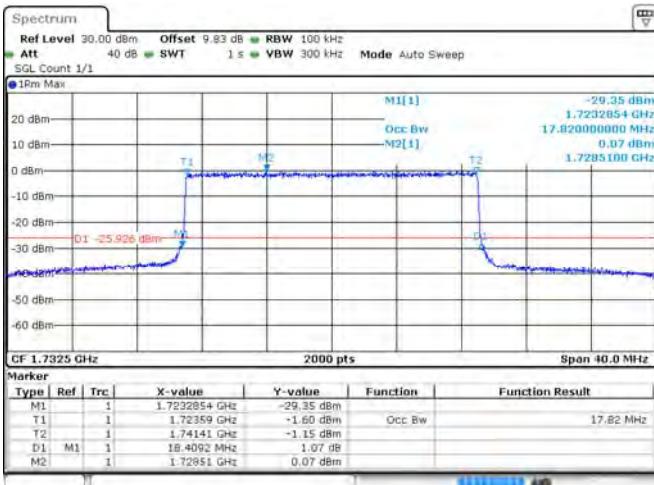
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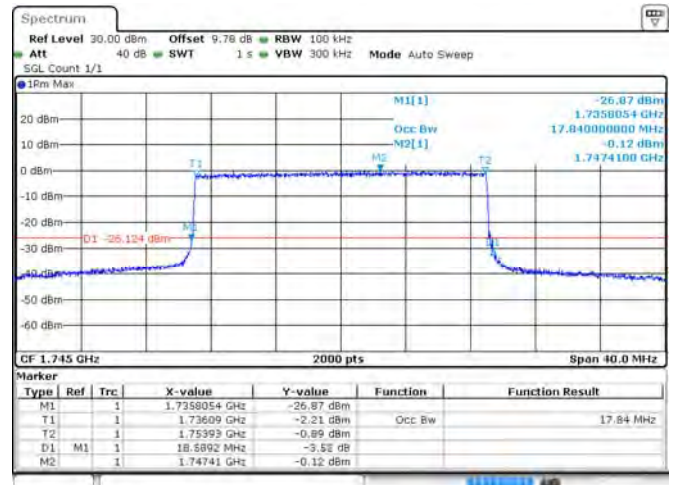
Date: 25 AUG 2015 23:02:58

Band 4 16-QAM 20 MHz Bandwidth RB100#0 MCH

Band 4 16-QAM 20 MHz Bandwidth RB100#0 HCH

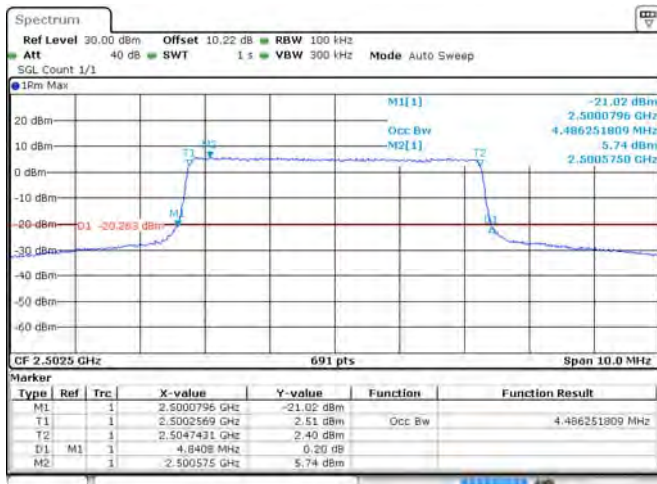


Date: 25 AUG 2015 23:03:24



Date: 25 AUG 2015 23:03:48

Band 7 QPSK 5 MHz Bandwidth RB25#0 LCH



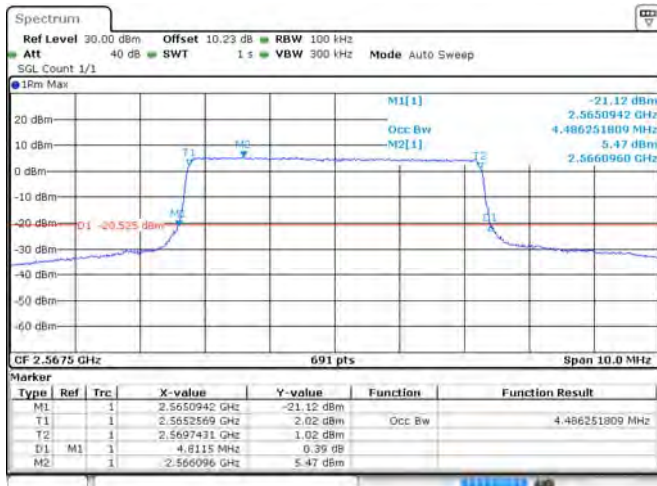
Date 24 AUG 2015 23:35:58

Band 7 QPSK 5 MHz Bandwidth RB25#0 MCH



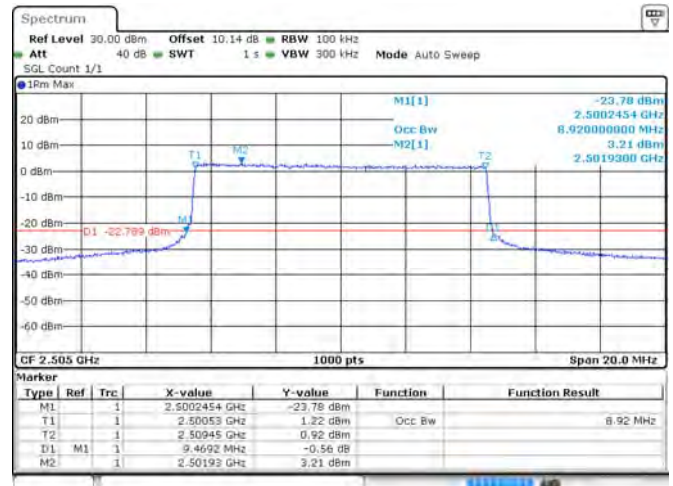
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Band 7 QPSK 5 MHz Bandwidth RB25#0 HCH



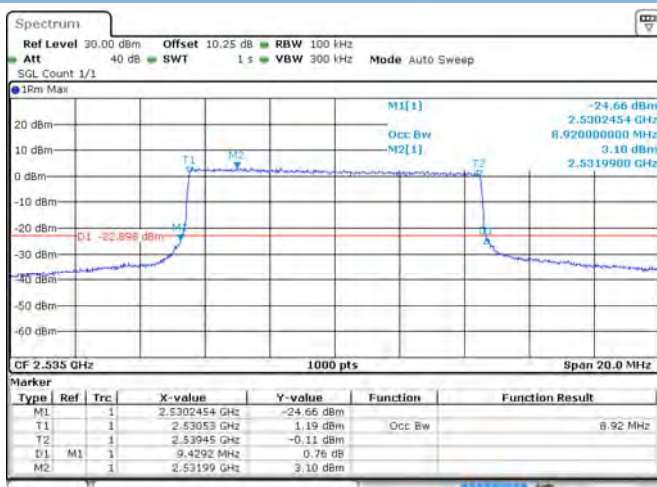
Date 24 AUG 2015 23:38:48

Band 7 QPSK 10 MHz Bandwidth RB50#0 LCH



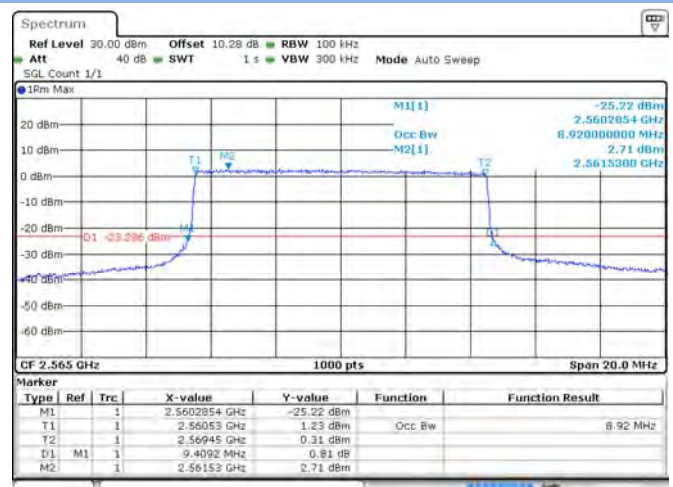
Date 24 AUG 2015 23:37:13

Band 7 QPSK 10 MHz Bandwidth RB50#0 MCH



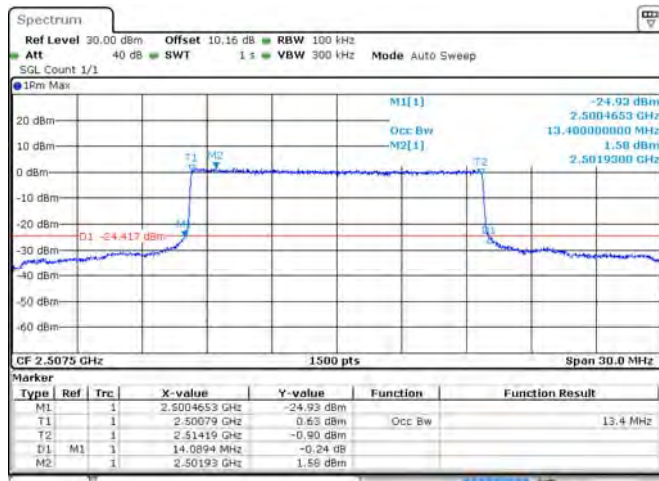
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Band 7 QPSK 10 MHz Bandwidth RB50#0 HCH



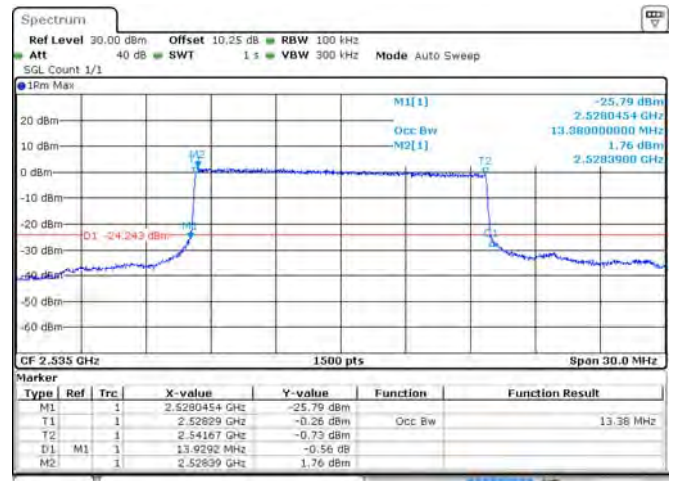
Date 24 AUG 2015 23:38:00

Band 7 QPSK 15 MHz Bandwidth RB75#0 LCH



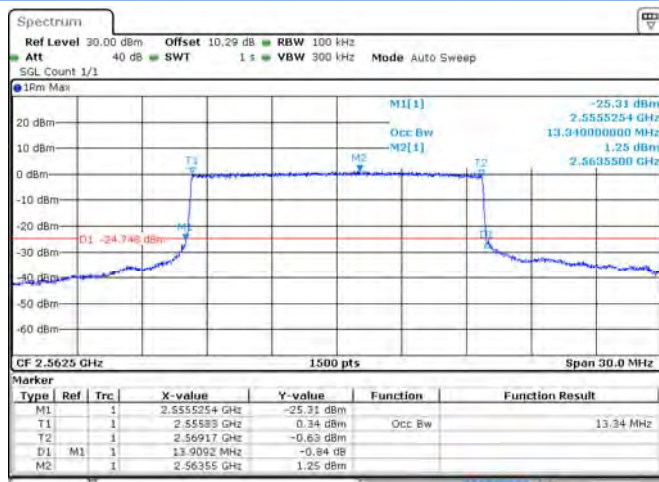
Date 24 AUG 2015 23:38:26

Band 7 QPSK 15 MHz Bandwidth RB75#0 MCH



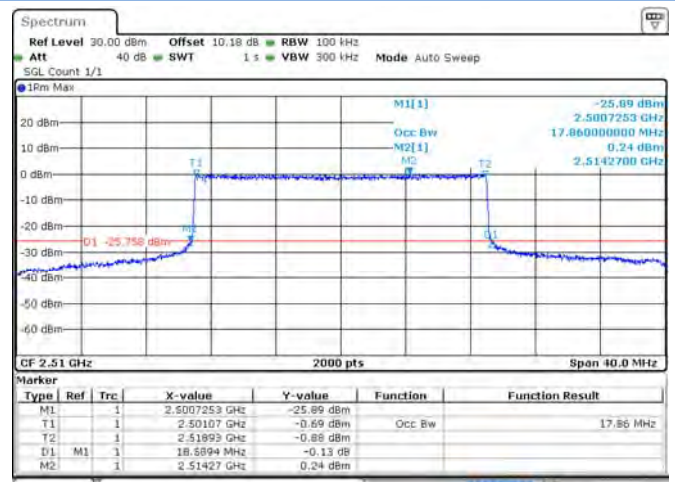
Date 24 AUG 2015 23:38:50

Band 7 QPSK 15 MHz Bandwidth RB75#0 HCH



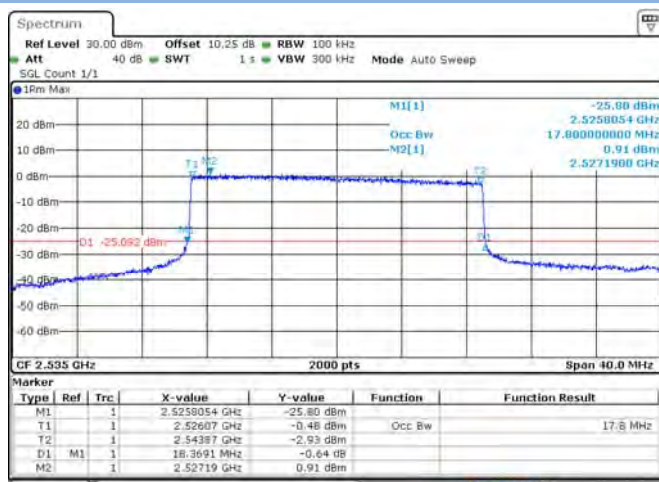
Date 24 AUG 2015 23:39:14

Band 7 QPSK 20 MHz Bandwidth RB100#0 LCH



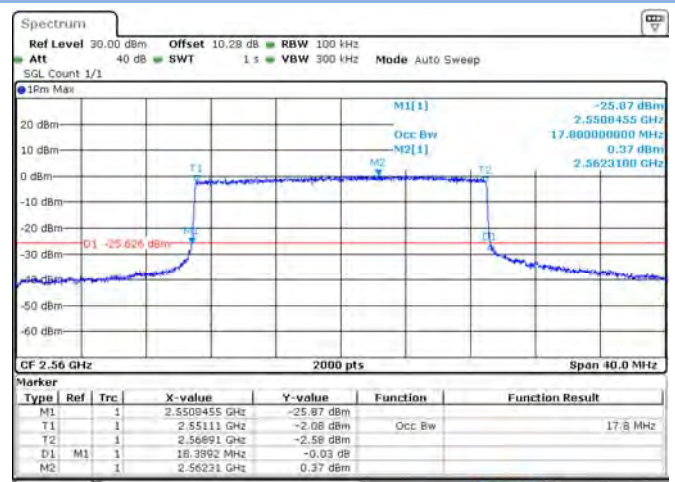
Date 24 AUG 2015 23:39:40

Band 7 QPSK 20 MHz Bandwidth RB100#0 MCH



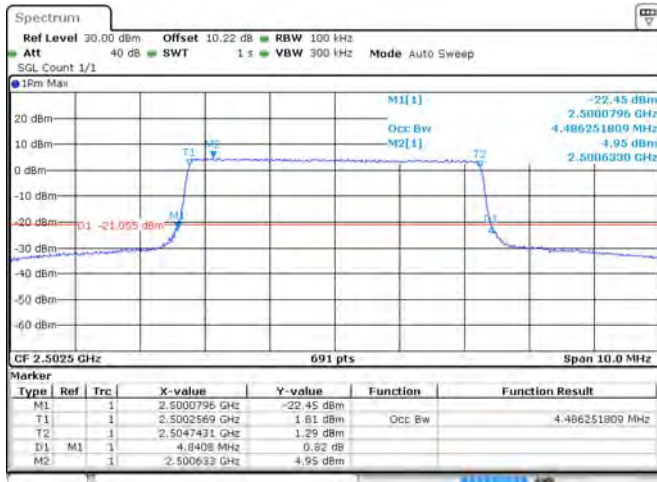
Date 24 AUG 2015 23:40:04

Band 7 QPSK 20 MHz Bandwidth RB100#0 HCH



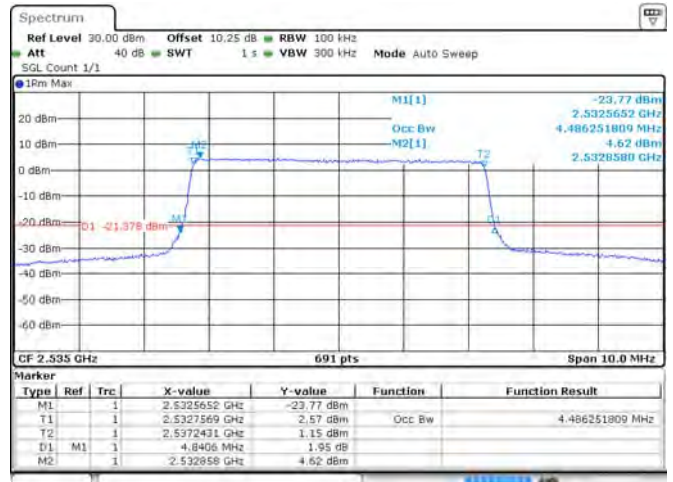
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Band 7 16-QAM 5 MHz Bandwidth RB25#0 LCH



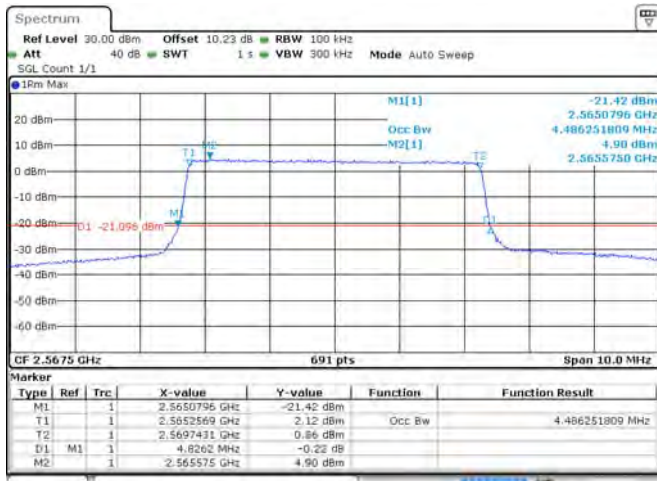
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Band 7 16-QAM 5 MHz Bandwidth RB25#0 MCH



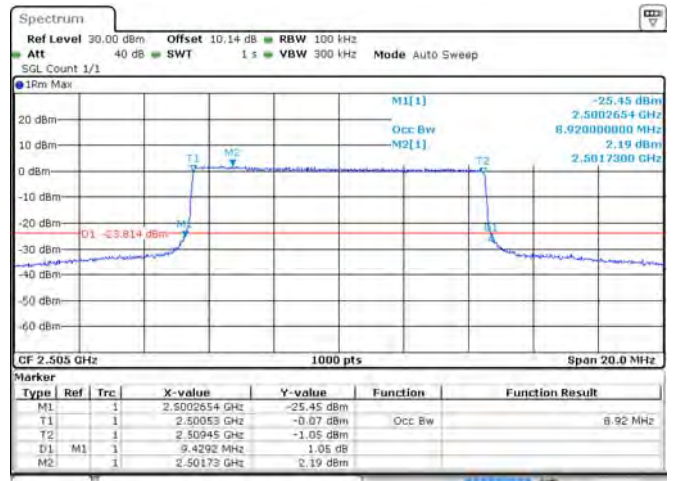
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Band 7 16-QAM 5 MHz Bandwidth RB25#0 HCH



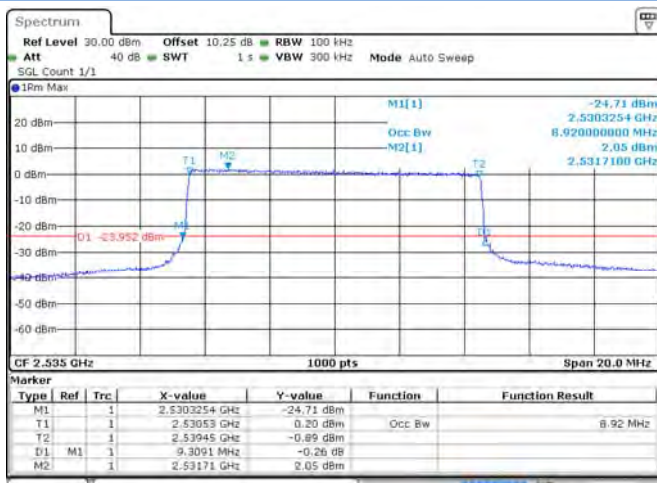
Date 24 AUG 2015 23:38:58

Band 7 16-QAM 10 MHz Bandwidth RB50#0 LCH



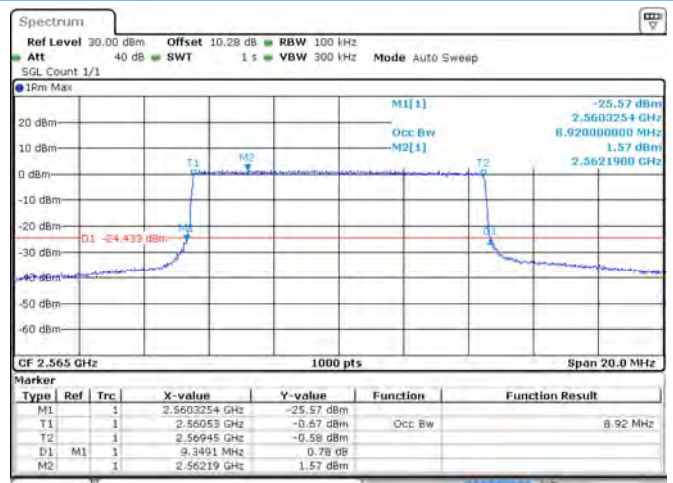
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Band 7 16-QAM 10 MHz Bandwidth RB50#0 MCH



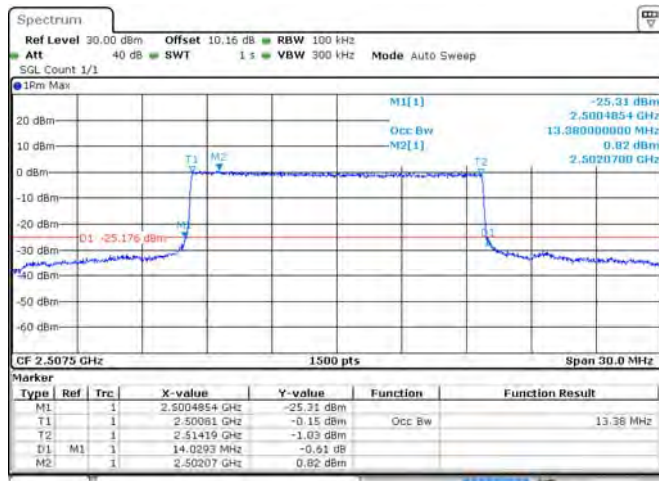
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Band 7 16-QAM 10 MHz Bandwidth RB50#0 HCH



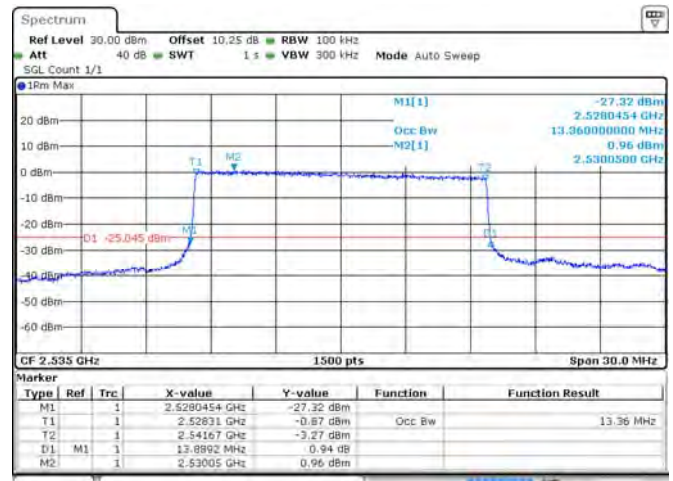
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Band 7 16-QAM 15 MHz Bandwidth RB75#0 LCH



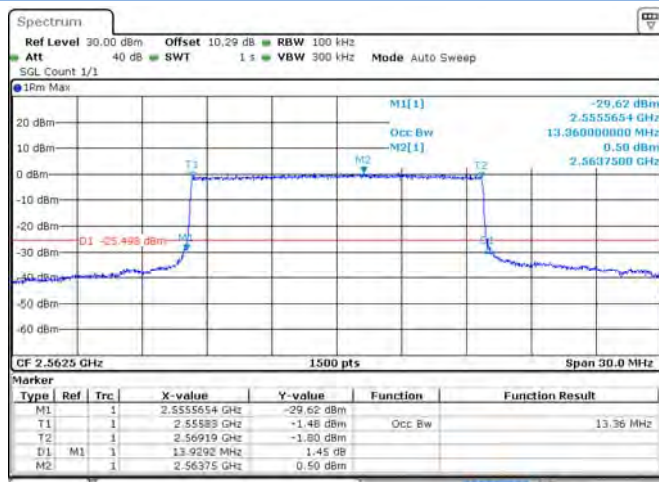
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Band 7 16-QAM 15 MHz Bandwidth RB75#0 MCH



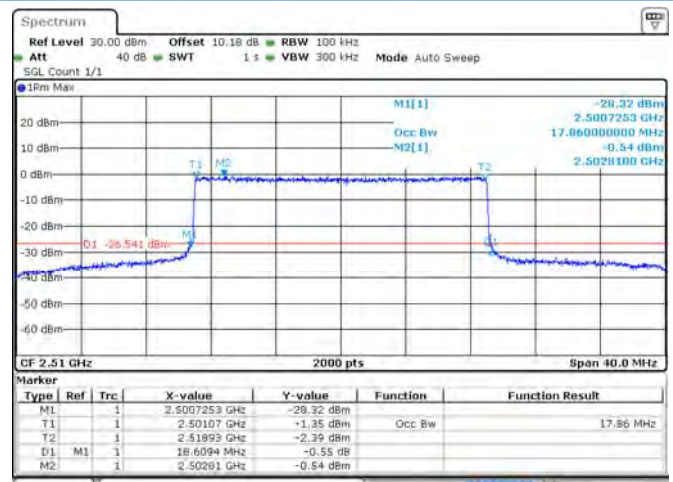
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Band 7 16-QAM 15 MHz Bandwidth RB75#0 HCH



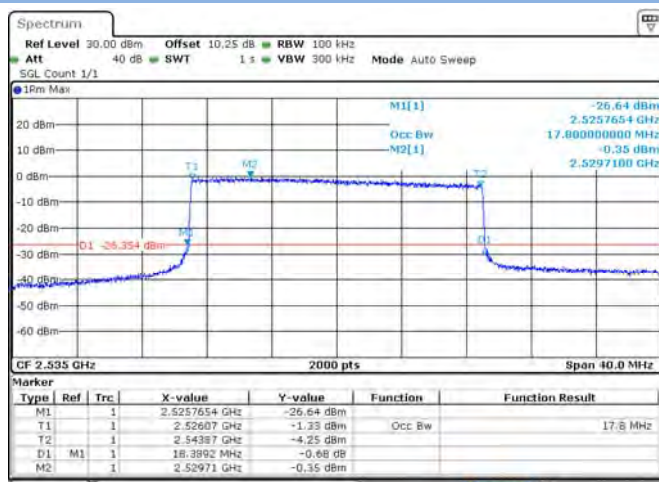
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Band 7 16-QAM 20 MHz Bandwidth RB100#0 LCH



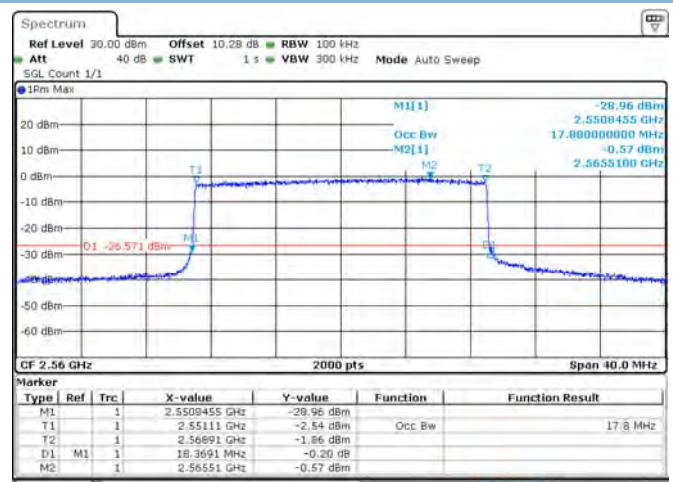
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Band 7 16-QAM 20 MHz Bandwidth RB100#0 MCH



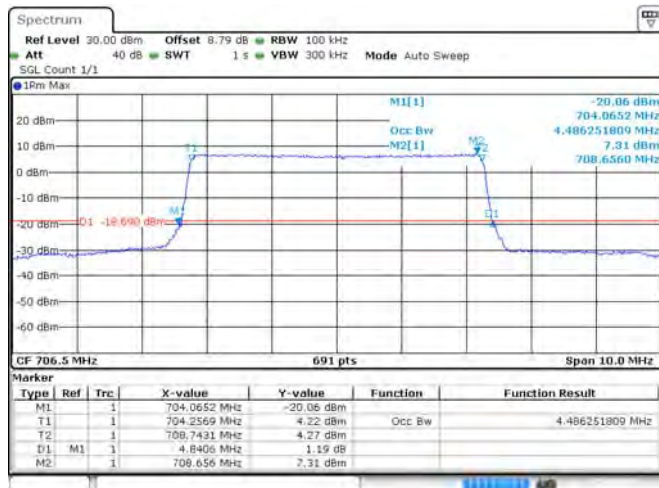
Date 24 AUG 2015 23:40:15

Band 7 16-QAM 20 MHz Bandwidth RB100#0 HCH



Date 24 AUG 2015 23:40:36

Band 17 QPSK 5 MHz Bandwidth RB25#0 LCH



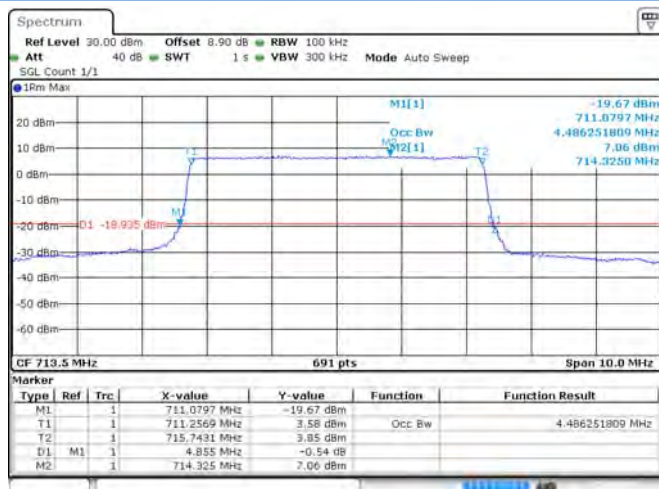
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Band 17 QPSK 5 MHz Bandwidth RB25#0 MCH



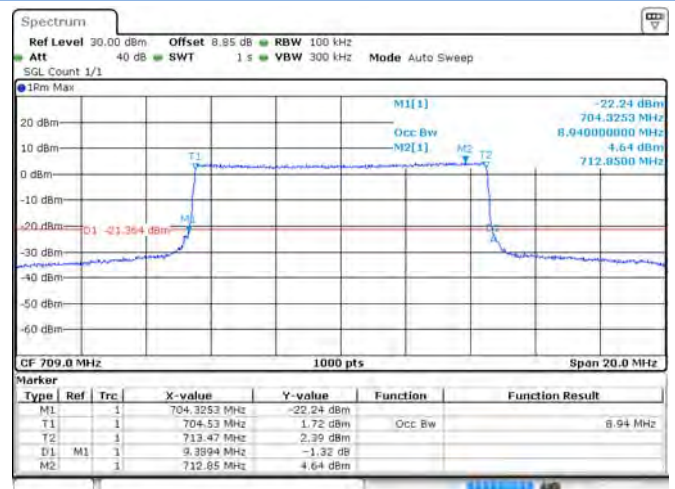
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Band 17 QPSK 5 MHz Bandwidth RB25#0 HCH



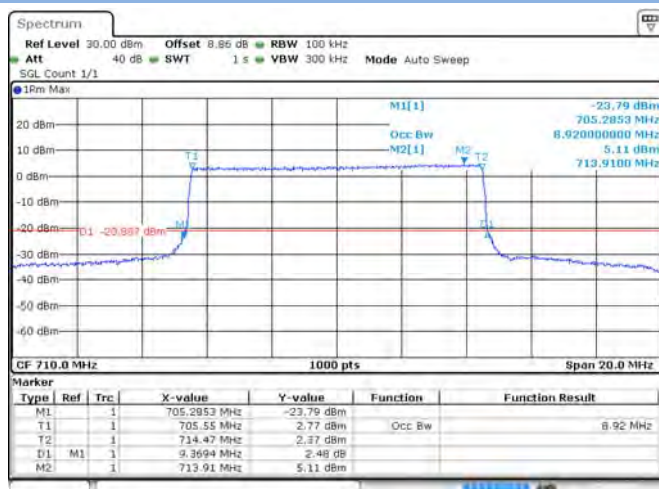
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Band 17 QPSK 10 MHz Bandwidth RB50#0 LCH



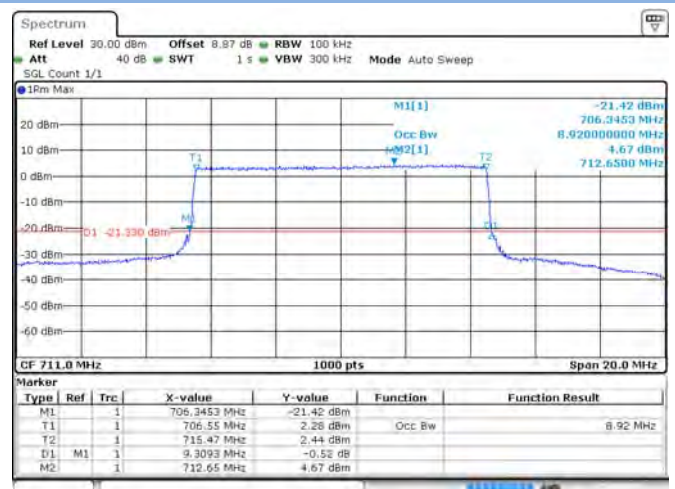
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Band 17 QPSK 10 MHz Bandwidth RB50#0 MCH



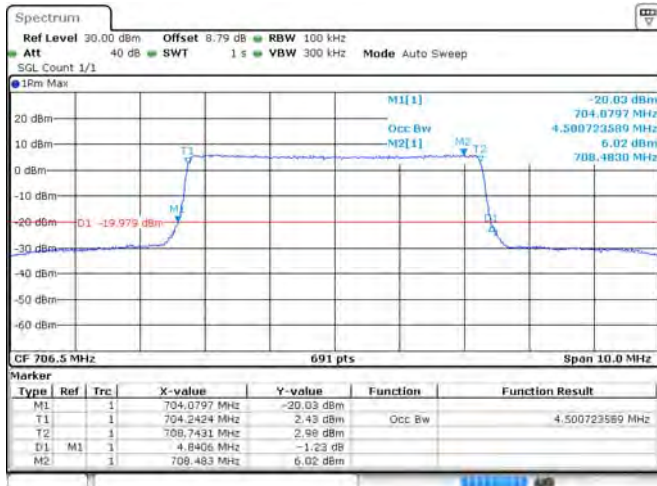
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Band 17 QPSK 10 MHz Bandwidth RB50#0 HCH



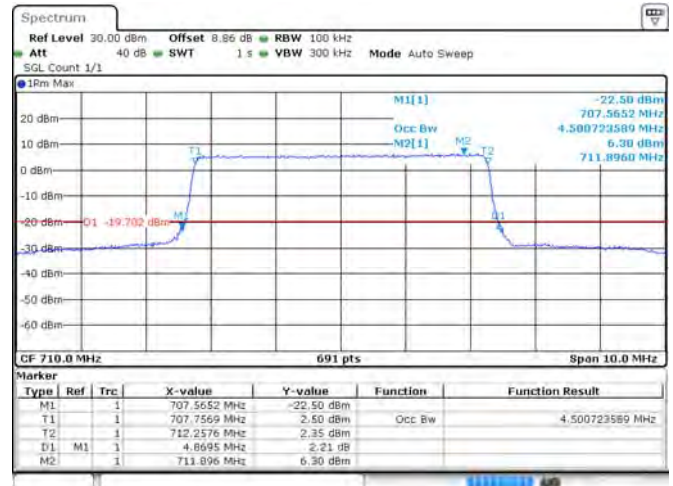
Date 25 AUG 2015 08:35:50

Band 17 16-QAM 5 MHz Bandwidth RB25#0 LCH



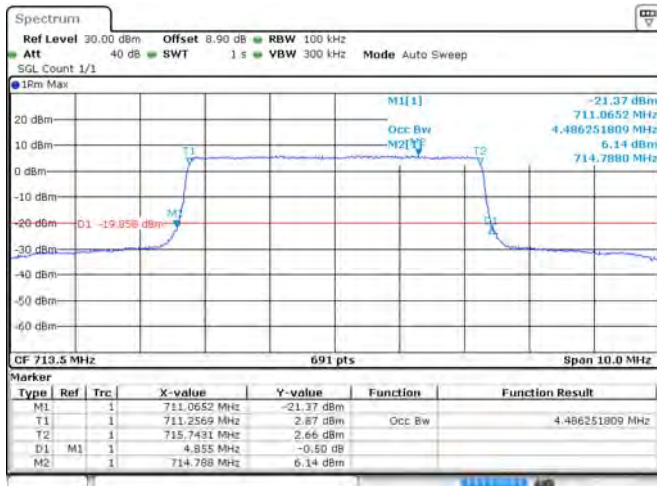
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Band 17 16-QAM 5 MHz Bandwidth RB25#0 MCH



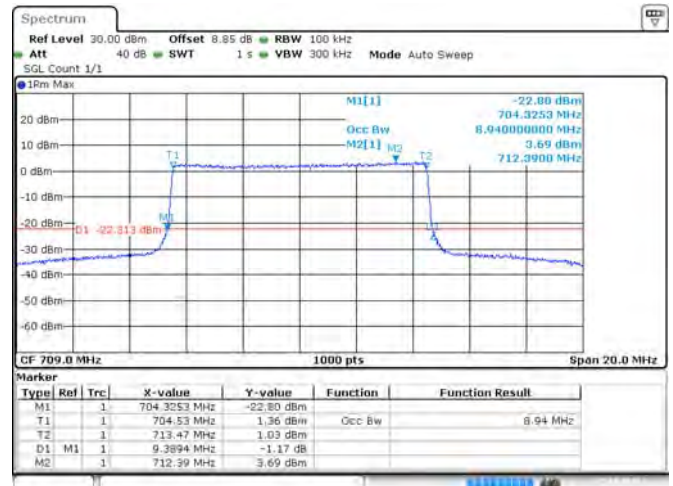
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Band 17 16-QAM 5 MHz Bandwidth RB25#0 HCH



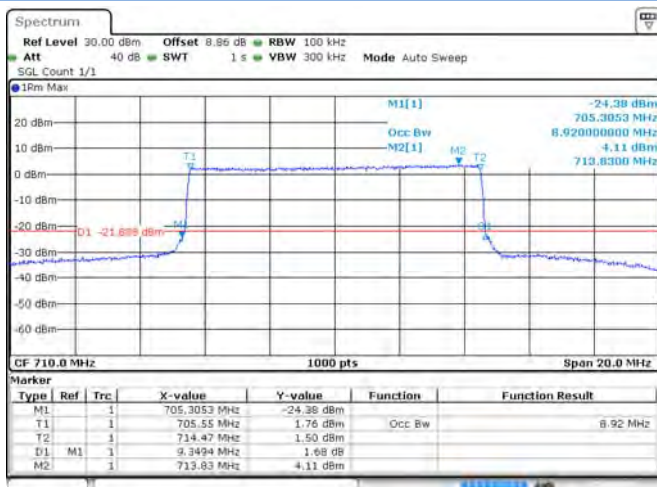
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Band 17 16-QAM 10 MHz Bandwidth RB50#0 LCH



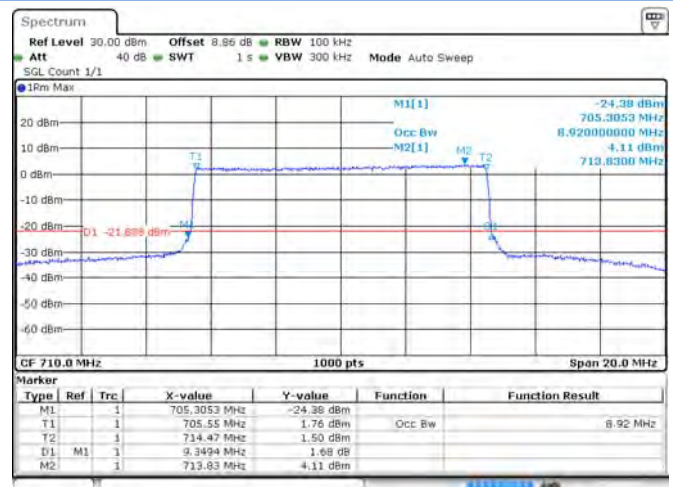
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Band 17 16-QAM 10 MHz Bandwidth RB50#0 MCH



Date 25 AUG 2015 08:35:36

Band 71 16-QAM 10 MHz Bandwidth RB50#0 HCH



Date 25 AUG 2015 08:35:36

A.4 Frequency Stability

GSM 850 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 824.2 MHz		MCH 836.6 MHz		HCH 848.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	-2.38	±2060.5	-4.87	±2091.5	-0.04	±2122	Pass
	-20	-7.98		0.27		10.03		
	-10	1.14		8.80		3.32		
	0	-1.39		4.09		-9.60		
	+10	5.47		4.26		-0.17		
	+20	-7.61		-6.13		-3.90		
	+30	6.09		-9.91		0.28		
	+40	5.49		6.44		-3.92		
	+50	10.19		6.52		3.70		
4.35	+25	8.71	8.07	-1.93				
3.6	+25	-8.32	9.78	6.37				

GSM 1900 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1850.2 MHz		MCH 1880 MHz		HCH 1909.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	-10.60	±4625.5	-2.71	±4700.0	-21.65	±4774.5	Pass
	-20	10.42		5.34		-5.66		
	-10	-3.46		3.30		18.73		
	0	13.13		-8.38		-19.68		
	+10	0.69		-8.94		20.47		
	+20	8.67		3.05		23.05		
	+30	15.59		16.71		18.00		
	+40	3.97		6.31		-12.80		
	+50	-5.81		-3.02		-9.55		
4.35	+25	-6.71	0.82	-11.22				
3.6	+25	4.71	10.98	29.91				

GPRS 850 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 824.2 MHz		MCH 836.6 MHz		HCH 848.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	-21.65	±2060.5	-17.24	±2091.5	-0.51	±2122	Pass
	-20	-5.66		-2.94		-10.56		
	-10	18.73		-12.01		-18.57		
	0	-19.68		-8.60		-3.32		
	+10	20.47		-20.84		-10.93		
	+20	23.05		-13.80		-12.13		
	+30	18.00		-0.81		-21.72		
	+40	-12.80		-8.57		-10.33		
+50	-9.55	-6.32	-15.13					
4.35	+25	-11.22	-15.63	-14.02				
3.6	+25	29.91	-8.66	-16.84				

GPRS 1900 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1850.2 MHz		MCH 1880 MHz		HCH 1909.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	-11.37	±4625.5	5.07	±4700.0	4.21	±4774.5	Pass
	-20	25.34		-2.63		-6.77		
	-10	7.07		0.31		7.35		
	0	2.51		-3.20		-11.20		
	+10	12.69		1.18		8.74		
	+20	22.70		3.61		10.75		
	+30	1.85		-11.62		-9.44		
	+40	-7.93		-7.97		17.64		
+50	-2.98	-8.23	-12.24					
4.35	+25	14.83	21.16	7.54				
3.6	+25	19.32	26.94	7.84				

EGPRS 850 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 824.2 MHz		MCH 836.6 MHz		HCH 848.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	-3.14	±2060.5	-2.43	±2091.5	-2.50	±2122	Pass
	-20	0.06		-4.67		0.30		
	-10	-3.58		-4.69		-0.39		
	0	-4.78		-4.20		-1.05		
	+10	-3.45		-0.03		-3.76		
	+20	-3.66		-2.01		-1.34		
	+30	-1.42		-4.41		0.57		
	+40	-2.74		-2.95		-4.77		
4.35	+50	0.26	-2.09	-2.59				
	+25	0.50	-3.52	-1.73				
3.6	+25	-4.74	-0.19	-2.23				

EGPRS 1900 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1850.2 MHz		MCH 1880 MHz		HCH 1909.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	7.01	±4625.5	-11.03	±4700.0	21.02	±4774.5	Pass
	-20	-13.74		-2.06		43.08		
	-10	28.59		12.88		20.65		
	0	-5.09		-21.75		-3.32		
	+10	50.44		-18.76		42.75		
	+20	-16.77		32.54		-2.32		
	+30	47.36		-18.89		23.12		
	+40	15.51		44.49		11.33		
4.35	+50	41.05	40.72	-17.55				
	+25	21.79	16.15	38.10				
3.6	+25	10.20	52.34	-12.06				

WCDMA 850 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 826.4 MHz		MCH 836.6 MHz		HCH 846.6 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	-28.69	±2066	-27.66	±2091.5	-28.33	±2116.5	Pass
	-20	-28.75		-28.57		-27.88		
	-10	-27.72		-28.62		-28.48		
	0	-27.70		-27.71		-28.38		
	+10	-28.11		-28.72		-27.59		
	+20	-28.61		-28.97		-28.52		
	+30	-28.10		-28.43		-28.04		
	+40	-27.89		-27.93		-28.72		
+50	-28.91	-28.63	-28.70					
4.35	+25	-27.54		-28.73		-28.02		
3.6	+25	-27.64		-28.59		-28.62		

WCDMA 1700 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1712.4 MHz		MCH 1728.6 MHz		HCH 1752.6 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	33.26	±4281	15.73	±4321.5	52.17	±4381.5	Pass
	-20	42.12		-8.20		28.14		
	-10	-0.56		43.40		33.27		
	0	8.20		-13.79		24.72		
	+10	-13.04		28.82		1.91		
	+20	-14.56		25.83		19.59		
	+30	21.86		41.20		48.08		
	+40	-5.39		-10.03		31.98		
+50	38.99	2.69	41.83					
4.35	+25	36.56		7.29		22.23		
3.6	+25	6.44		17.60		14.12		

WCDMA 1900 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1852.4 MHz		MCH 1880 MHz		HCH 1907.6 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	21.15	±4631	7.57	±4700	-4.63	±4769	Pass
	-20	-11.68		20.54		-14.26		
	-10	16.18		10.31		-17.63		
	0	33.42		24.00		13.66		
	+10	-25.49		0.77		-23.45		
	+20	13.64		21.49		0.18		
	+30	-29.41		5.13		10.47		
	+40	27.10		-9.17		-11.46		
+50	10.55	-5.86	6.03					
4.35	+25	12.09		13.38		-19.95		
3.6	+25	15.52		32.41		21.01		

LTE Band 2 QPSK 1.4 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1850.7 MHz		MCH 1880 MHz		HCH 1909.3 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	9.44	±4626.75	-3.09	±4700	34.11	±4773.25	Pass
	-20	-22.92		-20.38		26.51		
	-10	-10.95		0.41		31.75		
	0	-11.17		-1.81		-6.39		
	+10	9.63		46.89		23.61		
	+20	36.54		8.45		-2.46		
	+30	39.27		18.08		-2.32		
	+40	14.87		-25.96		40.05		
+50	6.57	15.94	-15.44					
4.35	+25	-13.32	18.69	-22.68				
3.6	+25	48.97	44.80	41.02				

LTE Band 2 QPSK 3 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1851.5 MHz		MCH 1880 MHz		HCH 1908.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	3.84	±4628.75	8.86	±4700	25.49	±4771.25	Pass
	-20	29.99		15.57		32.97		
	-10	-8.45		29.39		31.99		
	0	3.44		33.64		4.48		
	+10	18.96		13.19		3.41		
	+20	9.05		21.88		18.21		
	+30	10.62		-15.81		17.04		
	+40	29.22		0.87		7.25		
+50	30.07	10.66	7.66					
4.35	+25	-6.41	12.71	-4.00				
3.6	+25	10.09	21.84	-13.28				

LTE Band 2 QPSK 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1852.5 MHz		MCH 1880 MHz		HCH 1907.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	18.46	±4631.25	2.53	±4700	26.47	±4768.75	Pass
	-20	7.13		25.91		37.73		
	-10	7.42		2.81		-5.51		
	0	36.34		8.79		22.29		
	+10	2.47		11.35		41.22		
	+20	6.98		0.72		-8.03		
	+30	5.57		44.62		-11.01		
	+40	43.71		-1.16		0.52		
	+50	24.54		-1.33		25.40		
4.35	+25	17.81	1.94	-6.06				
3.6	+25	28.47	-3.80	-2.86				

LTE Band 2 QPSK 10 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1855 MHz		MCH 1880 MHz		HCH 1905 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	7.01	±4637.5	16.57	±4700	16.43	±4762.5	Pass
	-20	10.19		0.09		-5.85		
	-10	4.67		-6.66		-1.41		
	0	0.17		15.73		14.06		
	+10	-3.29		-6.86		0.91		
	+20	11.63		16.85		8.39		
	+30	3.80		-1.79		-2.61		
	+40	10.59		11.07		-4.69		
	+50	9.95		-4.99		-1.74		
4.35	+25	3.97	-0.74	14.81				
3.6	+25	9.26	8.57	13.89				

LTE Band 2 QPSK 15 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1857.5 MHz		MCH 1880 MHz		HCH 1902.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	21.60	±4643.75	20.40	±4700	20.16	±4756.25	Pass
	-20	20.96		16.06		8.48		
	-10	4.17		13.56		-6.27		
	0	-1.57		18.21		-7.67		
	+10	3.87		-8.73		15.70		
	+20	7.76		16.37		6.39		
	+30	4.87		19.08		18.44		
	+40	11.12		3.60		-6.72		
	+50	10.67		6.03		3.32		
4.35	+25	13.30	12.13	9.46				
3.6	+25	15.40	-7.61	1.43				

LTE Band 2 QPSK 20 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1860 MHz		MCH 1880 MHz		HCH 1900 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	33.79	±4650	20.98	±4700	-17.63	±4750	Pass
	-20	22.89		39.13		42.95		
	-10	20.77		14.55		28.99		
	0	-5.91		18.99		11.57		
	+10	12.50		2.31		0.50		
	+20	-1.89		7.79		34.24		
	+30	2.49		-15.64		22.03		
	+40	22.17		30.71		7.62		
	+50	-18.88		7.90		31.16		
4.35	+25	15.79	12.00	34.59				
3.6	+25	12.89	36.31	2.92				

LTE Band 2 16-QAM 1.4 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1850.7 MHz		MCH 1880 MHz		HCH 1909.3 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	8.10	±4626.75	-1.86	±4700	-0.05	±4773.25	Pass
	-20	-2.50		3.31		2.10		
	-10	6.65		10.26		5.67		
	0	12.35		12.48		5.41		
	+10	3.43		6.15		6.54		
	+20	-0.20		10.36		2.32		
	+30	5.17		-3.91		-1.49		
	+40	9.79		3.72		9.31		
	+50	3.97		-2.71		-0.02		
4.35	+25	-3.50	0.55	2.29				
3.6	+25	5.01	9.94	-2.94				

LTE Band 2 16-QAM 3 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1851.5 MHz		MCH 1880 MHz		HCH 1908.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	-3.10	±4628.75	12.63	±4700	34.21	±4771.25	Pass
	-20	38.28		42.41		11.57		
	-10	-2.15		4.00		33.76		
	0	40.06		-7.89		9.18		
	+10	1.99		-8.11		25.52		
	+20	-19.86		32.78		16.15		
	+30	39.56		44.40		27.39		
	+40	46.60		-7.29		-0.96		
	+50	39.98		47.40		31.82		
4.35	+25	-15.71	3.60	-3.32				
3.6	+25	-17.70	-13.23	32.60				

LTE Band 2 16-QAM 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1852.5 MHz		MCH 1880 MHz		HCH 1907.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	-17.28	±4631.25	41.12	±4700	22.83	±4768.75	Pass
	-20	31.28		-8.70		19.90		
	-10	16.92		-22.09		10.29		
	0	31.88		16.64		39.70		
	+10	33.86		24.58		16.19		
	+20	-22.49		-18.06		19.04		
	+30	13.08		-9.91		27.80		
	+40	22.40		46.53		1.67		
	+50	-25.65		33.68		30.83		
4.35	+25	12.93	-7.90	-6.28				
3.6	+25	-19.70	22.88	32.74				

LTE Band 2 16-QAM 10 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1855 MHz		MCH 1880 MHz		HCH 1905 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	-0.86	±4637.5	-12.10	±4700	4.57	±4762.5	Pass
	-20	-6.36		-11.42		-13.22		
	-10	4.11		-9.67		-3.57		
	0	-3.56		-11.44		2.12		
	+10	6.46		-13.84		-13.19		
	+20	2.86		1.64		-7.72		
	+30	-1.15		-11.48		6.15		
	+40	-7.97		-13.29		4.46		
	+50	3.66		-1.94		-0.14		
4.35	+25	5.83	-9.87	-13.86				
3.6	+25	4.72	3.21	-11.01				

LTE Band 2 16-QAM 15 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1857.5 MHz		MCH 1880 MHz		HCH 1902.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	5.72	±4643.75	-3.34	±4700	-1.39	±4756.25	Pass
	-20	12.66		25.63		1.77		
	-10	11.79		5.69		14.49		
	0	-12.91		3.36		-8.41		
	+10	30.65		30.10		32.83		
	+20	18.14		-13.42		16.21		
	+30	1.10		31.69		-5.97		
	+40	20.14		28.49		2.60		
+50	-12.28	18.03	6.13					
4.35	+25	11.40	-8.23	32.62				
3.6	+25	0.32	33.09	31.99				

LTE Band 2 16-QAM 20 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1860 MHz		MCH 1880 MHz		HCH 1900 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	-4.05	±4650	0.82	±4700	6.86	±4750	Pass
	-20	-8.06		-0.17		0.65		
	-10	15.00		20.25		0.28		
	0	20.34		1.98		-3.34		
	+10	-1.46		16.29		16.78		
	+20	19.97		2.71		-8.51		
	+30	2.08		3.82		5.16		
	+40	-3.91		-5.70		17.41		
+50	2.00	1.94	-3.94					
4.35	+25	-3.76	20.84	20.67				
3.6	+25	-8.66	-1.20	-10.93				

LTE Band 4 QPSK 1.4 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1710.7 MHz		MCH 1732.5 MHz		HCH 1754.3 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	-4.74	±4276.75	2.47	±4331.25	-7.91	±4385.75	Pass
	-20	-11.87		-3.54		11.08		
	-10	7.19		6.57		-16.02		
	0	-4.06		-6.80		-21.97		
	+10	-2.07		5.44		-18.60		
	+20	0.72		2.11		-23.39		
	+30	-3.78		-3.44		-12.16		
	+40	6.49		0.56		-10.01		
	+50	1.51		-7.47		12.24		
4.35	+25	-11.71	4.61	2.54				
3.6	+25	-10.91	-4.22	-4.12				

LTE Band 4 QPSK 3 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1711.5 MHz		MCH 1732.5 MHz		HCH 1753.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	39.77	±4278.75	21.14	±4331.25	35.12	±4383.75	Pass
	-20	25.85		-3.38		13.55		
	-10	7.56		36.27		18.40		
	0	42.14		12.16		4.40		
	+10	4.46		10.63		43.79		
	+20	-6.00		35.20		-5.80		
	+30	-0.30		4.47		26.83		
	+40	24.61		26.52		1.53		
	+50	-3.41		9.24		48.60		
4.35	+25	22.38	45.03	22.27				
3.6	+25	25.67	-2.05	-4.03				

LTE Band 4 QPSK 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1712.5 MHz		MCH 1732.5 MHz		HCH 1752.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	-17.14	±4281.25	-19.24	±4331.25	-7.91	±4381.25	Pass
	-20	-5.66		-15.76		11.08		
	-10	-18.53		12.12		-16.02		
	0	-6.87		-27.34		-21.97		
	+10	-23.97		12.60		-18.60		
	+20	-22.78		-0.55		-23.39		
	+30	-2.68		0.30		-12.16		
	+40	-20.95		11.60		-10.01		
	+50	-24.73		-14.82		12.24		
4.35	+25	-15.06		10.58		2.54		
3.6	+25	-9.81		15.06		-4.12		

LTE Band 4 QPSK 10 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1715 MHz		MCH 1732.5 MHz		HCH 1750 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	40.66	±4287.5	47.05	±4331.25	5.71	±4368.75	Pass
	-20	47.17		39.47		33.20		
	-10	45.30		24.62		-18.89		
	0	26.29		51.94		-7.23		
	+10	-14.11		13.15		33.50		
	+20	22.93		-10.98		30.11		
	+30	-6.06		-18.79		35.30		
	+40	1.47		-15.83		26.55		
	+50	13.76		29.75		26.37		
4.35	+25	42.73		-11.45		-18.75		
3.6	+25	-15.84		27.90		41.95		

LTE Band 4 QPSK 15 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1717.5 MHz		MCH 1732.5 MHz		HCH 1747.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	-4.37	±4300	-9.91	±4331.25	-14.50	±4368.75	Pass
	-20	40.03		43.04		-11.80		
	-10	28.81		35.66		-8.66		
	0	-10.74		-7.54		42.39		
	+10	2.91		24.36		-10.43		
	+20	-17.71		40.99		-11.78		
	+30	28.71		17.67		8.43		
	+40	30.17		15.03		34.07		
	+50	51.48		9.52		-10.07		
4.35	+25	21.97	1.47	-3.37				
3.6	+25	22.10	36.70	8.81				

LTE Band 4 QPSK 20 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1720 MHz		MCH 1732.5 MHz		HCH 1745 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	22.85	±4300	1.34	±4331.25	10.30	±4362.5	Pass
	-20	34.73		41.77		27.88		
	-10	30.33		25.30		43.95		
	0	1.76		13.65		38.80		
	+10	15.15		11.07		7.15		
	+20	7.98		48.75		44.96		
	+30	18.90		38.05		0.39		
	+40	22.51		43.42		-4.98		
	+50	-4.13		3.36		45.19		
4.35	+25	3.00	1.97	20.73				
3.6	+25	11.87	4.59	26.61				

LTE Band 4 16-QAM 1.4 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1710.7 MHz		MCH 1732.5 MHz		HCH 1754.3 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	7.43	±4276.75	-7.79	±4331.25	72.53	±4385.75	Pass
	-20	71.40		2.16		72.32		
	-10	35.54		61.84		42.79		
	0	31.12		33.61		1.37		
	+10	73.34		42.41		-5.97		
	+20	67.31		57.19		35.33		
	+30	18.66		6.55		36.88		
	+40	74.61		-10.91		40.30		
	+50	30.63		18.17		34.29		
4.35	+25	20.53	45.45	37.29				
3.6	+25	-4.01	8.36	20.34				

LTE Band 4 16-QAM 3 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1711.5 MHz		MCH 1732.5 MHz		HCH 1753.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	17.28	±4281.25	40.43	±4331.25	30.26	±4381.25	Pass
	-20	29.52		-13.54		7.16		
	-10	41.18		37.92		33.14		
	0	27.31		-3.63		20.20		
	+10	16.54		0.69		19.74		
	+20	14.32		37.01		5.95		
	+30	-0.62		43.99		-2.87		
	+40	-6.70		28.32		-0.71		
	+50	19.90		33.49		18.28		
4.35	+25	13.51	39.96	40.68				
3.6	+25	-9.97	13.05	11.30				

LTE Band 4 16-QAM 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1712.5 MHz		MCH 1732.5 MHz		HCH 1752.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	-12.55	±4281.25	-11.30	±4331.25	-5.01	±4381.25	Pass
	-20	-11.37		-10.57		-15.88		
	-10	-5.40		-4.65		-3.94		
	0	-5.70		-15.71		-4.26		
	+10	-3.77		-6.85		-7.05		
	+20	-15.77		-9.27		-14.12		
	+30	-4.21		-4.15		-7.58		
	+40	-5.07		-16.83		-6.50		
	+50	-10.34		-4.17		-7.47		
4.35	+25	-13.92		-6.63		-9.85		
3.6	+25	-16.80		-10.57		-6.30		

LTE Band 4 16-QAM 10 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1715 MHz		MCH 1732.5 MHz		HCH 1750 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	-6.35	±4287.5	-16.30	±4331.25	6.02	±4368.75	Pass
	-20	-2.17		7.63		0.88		
	-10	-20.34		-27.52		-17.65		
	0	4.60		1.66		9.51		
	+10	-3.88		-15.86		10.15		
	+20	-1.99		-1.70		7.03		
	+30	-21.44		-8.78		-14.09		
	+40	-2.16		0.56		-9.88		
	+50	-3.02		-10.48		-0.96		
4.35	+25	6.72		-2.11		-1.39		
3.6	+25	-15.42		-17.28		-26.91		

LTE Band 4 16-QAM 15 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1717.5 MHz		MCH 1732.5 MHz		HCH 1747.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	13.86	±4300	11.91	±4331.25	15.79	±4368.75	Pass
	-20	-3.56		31.24		4.76		
	-10	0.60		31.76		10.57		
	0	-3.45		28.37		37.39		
	+10	-0.01		20.37		35.29		
	+20	10.84		20.53		15.85		
	+30	19.54		25.84		39.51		
	+40	-3.62		20.15		33.58		
	+50	-1.48		8.84		19.36		
4.35	+25	24.55		27.12		16.87		
3.6	+25	30.65		26.50		12.00		

LTE Band 4 16-QAM 20 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1720 MHz		MCH 1732.5 MHz		HCH 1745 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	8.44	±4300	-8.58	±4331.25	-2.80	±4362.5	Pass
	-20	13.06		13.59		-14.67		
	-10	-2.59		-3.50		0.84		
	0	20.58		-9.20		9.35		
	+10	-6.72		0.35		-10.10		
	+20	6.45		-11.31		-16.11		
	+30	19.84		-14.92		17.76		
	+40	11.82		1.22		15.64		
	+50	12.00		-18.33		3.67		
4.35	+25	1.92		2.16		13.95		
3.6	+25	-11.42		12.20		6.23		

LTE Band 7 QPSK 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 2502.5 MHz		MCH 2535 MHz		HCH 2567.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	0.32	±6256.25	-4.79	±6337.5	-6.21	±6418.75	Pass
	-20	0.52		-2.69		-15.33		
	-10	-13.53		-9.24		-9.80		
	0	0.58		-6.75		-2.07		
	+10	-7.67		-4.56		-7.86		
	+20	-12.83		-13.75		-2.76		
	+30	-10.63		-8.19		-12.40		
	+40	-14.41		0.51		0.11		
4.35	+25	-0.96	-7.26	-14.99				
3.6	+25	-11.41	-8.14	-11.75				
			-11.72	-5.48				

LTE Band 7 QPSK 10 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 2505 MHz		MCH 2535 MHz		HCH 2565 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	21.81	±6262.5	11.32	±6337.5	25.19	±6412.5	Pass
	-20	8.17		16.94		22.97		
	-10	5.81		-0.27		9.76		
	0	15.91		13.21		25.53		
	+10	7.38		16.96		8.40		
	+20	25.00		7.38		1.84		
	+30	-0.48		8.60		6.55		
	+40	1.79		13.99		8.52		
4.35	+25	9.34	4.40	24.31				
3.6	+25	13.19	4.55	20.41				
			18.22	4.95				

LTE Band 7 QPSK 15 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 2507.5 MHz		MCH 2535 MHz		HCH 2562.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	16.87	±6268.75	55.15	±6337.5	15.05	±6406.25	Pass
	-20	-16.50		0.41		-7.99		
	-10	41.65		-2.86		21.55		
	0	-20.56		58.51		35.45		
	+10	-17.74		2.08		-13.40		
	+20	78.81		79.63		1.91		
	+30	-19.73		39.41		-21.96		
	+40	44.41		33.91		-6.70		
+50	8.91	-15.45	36.29					
4.35	+25	17.45	79.56	1.59				
3.6	+25	61.84	53.16	83.03				

LTE Band 7 QPSK 20 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 2510 MHz		MCH 2535 MHz		HCH 2560 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	-15.92	±6275	-13.42	±6337.5	-18.41	±6400	Pass
	-20	-1.20		-21.55		-10.70		
	-10	-0.93		-12.38		-16.14		
	0	-4.45		-14.02		-7.00		
	+10	-14.96		-9.33		-12.25		
	+20	-13.09		-11.28		-16.00		
	+30	0.28		-0.03		-16.79		
	+40	-4.84		-11.46		-1.95		
+50	-6.45	-21.46	-21.66					
4.35	+25	-10.51	-15.12	-21.75				
3.6	+25	-3.79	-19.55	-3.64				

LTE Band 7 16-QAM 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 2502.5 MHz		MCH 2535 MHz		HCH 2567.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	-7.45	±6256.25	21.90	±6337.5	-14.74	±6418.75	Pass
	-20	47.39		43.58		17.34		
	-10	24.09		57.22		16.32		
	0	25.23		65.17		31.24		
	+10	4.34		-5.37		20.29		
	+20	60.25		-12.53		36.52		
	+30	32.94		-11.47		57.36		
	+40	16.05		-2.43		48.58		
	+50	37.75		64.02		-1.72		
4.35	+25	-6.23	24.00	34.55				
3.6	+25	52.31	46.96	48.11				

LTE Band 7 16-QAM 10 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 2505 MHz		MCH 2535 MHz		HCH 2565 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	-17.69	±6262.5	29.30	±6337.5	54.44	±6412.5	Pass
	-20	12.83		53.05		46.16		
	-10	56.05		53.11		-1.41		
	0	32.83		21.15		46.39		
	+10	16.83		6.24		38.97		
	+20	21.93		25.64		16.69		
	+30	9.05		40.21		28.41		
	+40	37.18		62.79		3.91		
	+50	53.85		54.45		21.49		
4.35	+25	29.00	28.50	3.17				
3.6	+25	41.95	31.63	30.24				

LTE Band 7 16-QAM 15 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 2507.5 MHz		MCH 2535 MHz		HCH 2562.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	-0.15	±6268.75	-6.45	±6337.5	-9.98	±6406.25	Pass
	-20	1.17		-15.11		-13.99		
	-10	-6.28		-8.50		-5.46		
	0	0.03		-11.21		0.56		
	+10	-10.40		-6.57		-2.62		
	+20	-6.64		0.80		-3.94		
	+30	-13.48		-0.42		-14.33		
	+40	-4.35		-10.73		-8.18		
	+50	-7.56		-10.30		-10.79		
4.35	+25	-9.66		-13.30		-17.98		
3.6	+25	-8.72		-8.30		-14.89		

LTE Band 7 16-QAM 20 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 2510 MHz		MCH 2535 MHz		HCH 2560 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	57.54	±6275	64.07	±6337.5	6.12	±6400	Pass
	-20	-1.81		4.04		-14.20		
	-10	12.30		11.39		-9.61		
	0	70.01		41.74		70.24		
	+10	74.89		26.75		49.63		
	+20	48.78		59.98		42.83		
	+30	14.69		41.09		57.14		
	+40	56.38		-16.86		35.73		
	+50	9.86		24.97		39.91		
4.35	+25	2.02		16.15		23.99		
3.6	+25	13.33		0.66		-3.01		

LTE Band 17 QPSK 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 706.5 MHz		MCH 710 MHz		HCH 713.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	-13.77	±1766.25	9.49	±1775	2.76	±1783.75	Pass
	-20	0.62		-12.90		9.94		
	-10	1.65		12.66		9.46		
	0	2.47		5.05		-6.30		
	+10	-10.76		3.02		5.09		
	+20	-2.11		10.76		-4.00		
	+30	13.33		-16.51		-5.23		
	+40	5.33		-2.10		1.50		
+50	-2.56	-12.99	18.00					
4.35	+25	17.60	-7.53	-5.88				
3.6	+25	-8.09	6.78	0.86				

LTE Band 17 QPSK 10 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 709 MHz		MCH 710 MHz		HCH 711 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	2.76	±1772.5	42.74	±1775	22.73	±1777.5	Pass
	-20	9.94		19.43		-12.28		
	-10	9.46		7.48		21.85		
	0	-6.30		20.86		68.74		
	+10	5.09		38.93		21.15		
	+20	-4.00		75.31		7.20		
	+30	-5.23		20.38		4.69		
	+40	1.50		-3.15		50.39		
+50	18.00	47.89	25.51					
4.35	+25	-5.88	45.08	26.73				
3.6	+25	0.86	60.70	51.78				

LTE Band 7 16-QAM 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 706.5 MHz		MCH 710 MHz		HCH 713.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	-10.62	±1766.25	18.42	±1775	53.65	±1783.75	Pass
	-20	24.89		18.19		-14.50		
	-10	12.23		18.48		41.59		
	0	4.87		32.46		-11.82		
	+10	-19.98		14.08		-19.88		
	+20	-5.26		23.86		39.14		
	+30	27.29		-3.44		17.14		
	+40	1.83		5.44		-6.07		
4.35	+50	4.94	37.39	3.89				
	+25	30.28	-15.41	16.08				
3.6	+25	8.65	50.54	3.88				

LTE Band 17 16-QAM 10 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 709 MHz		MCH 710 MHz		HCH 711 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-30	6.63	±1772.5	3.62	±1775	10.81	±1777.5	Pass
	-20	-7.64		7.23		-14.16		
	-10	6.65		-4.78		-1.27		
	0	-17.66		-1.26		7.11		
	+10	8.22		-18.68		5.72		
	+20	-15.96		-21.61		-5.80		
	+30	14.84		14.58		-9.10		
	+40	-1.22		-0.68		-0.57		
4.35	+50	1.10	6.87	-16.39				
	+25	-7.81	3.88	-11.76				
3.6	+25	3.27	13.12	-20.79				

A.5 Spurious Emission at Antenna Terminals

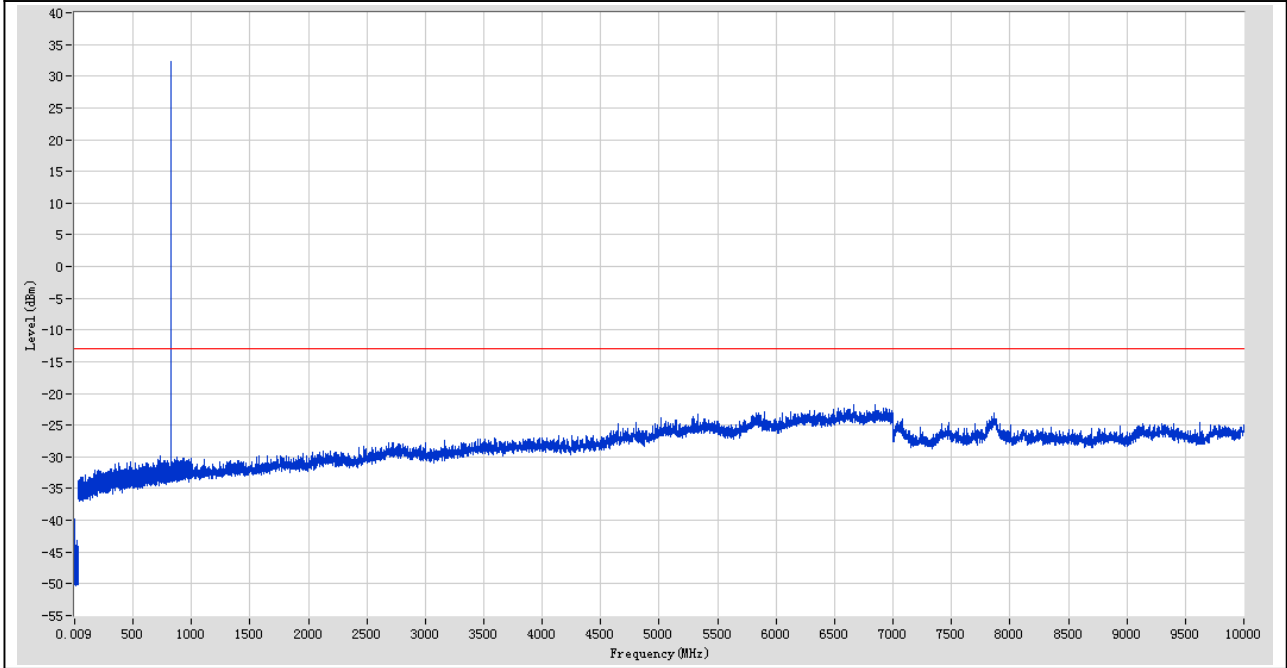
Note 1: GSM and GPRS, EGPRS modes have been verified, Only the worst data with different data bandwidth show here.

Note 2: The frequency of verdict which mark by "N/A" should be ignored because they are MS carrier frequency.

Test Data

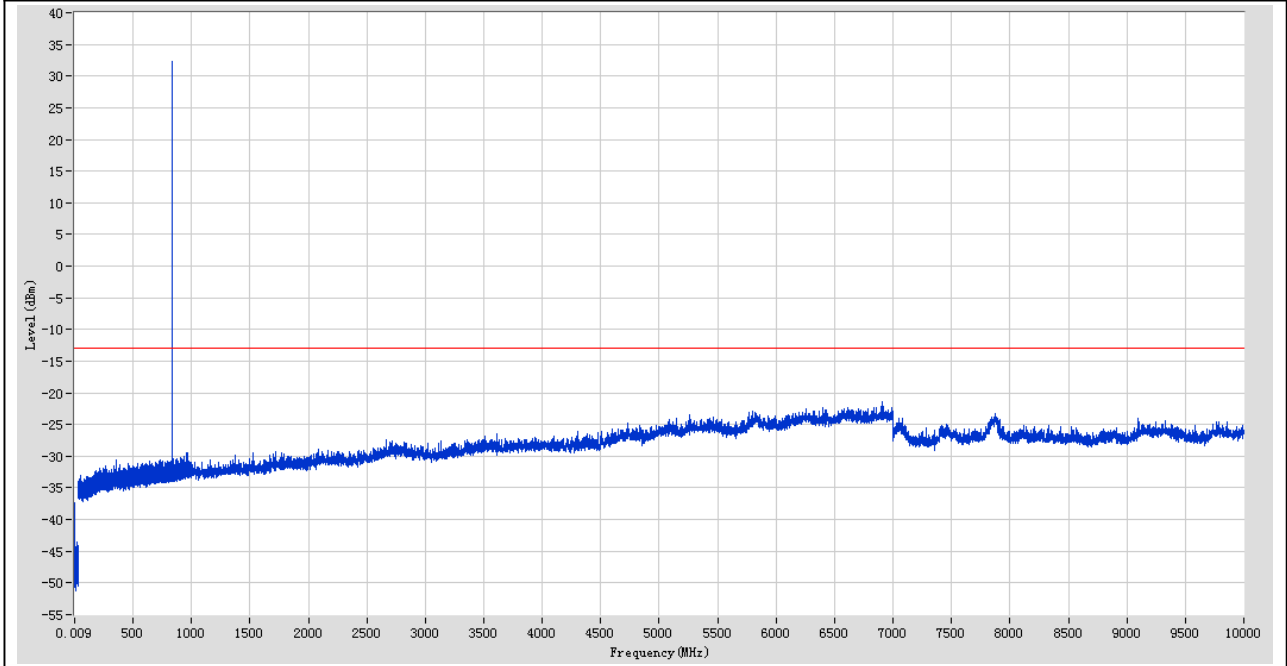
GSM 850 MHz LCH

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	Peak	11.937 k	-42.28	-13	Pass	625
0.15	30	0.01	Peak	150 k	-39.78	-13	Pass	3001
30	500	0.1	Peak	479.7 M	-30.85	-13	Pass	4701
500	1000	0.1	Peak	824.3 M	32.35	-13	N/A	5001
1000	10000	1	Peak	6847 M	-21.69	-13	Pass	9001



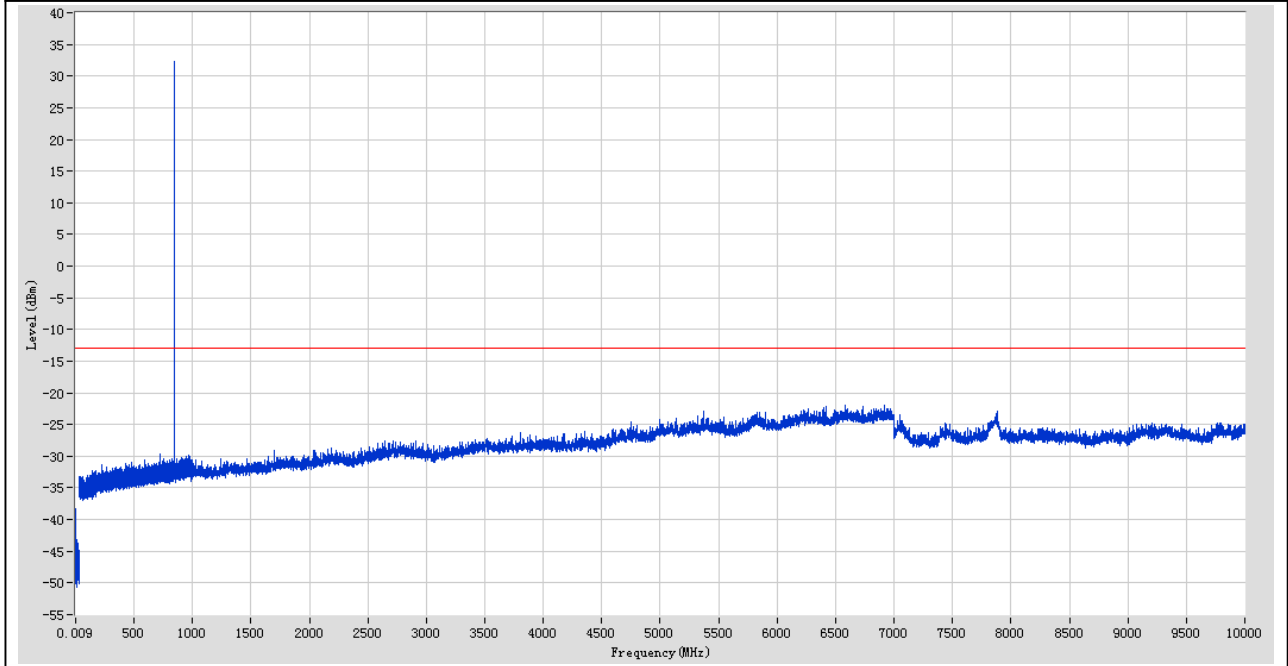
GSM 850 MHz MCH

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	Peak	10.13 k	-41.52	-13	Pass	625
0.15	30	0.01	Peak	150 k	-37.4	-13	Pass	3001
30	500	0.1	Peak	360.5 M	-30.64	-13	Pass	4701
500	1000	0.1	Peak	836.6 M	32.33	-13	N/A	5001
1000	10000	1	Peak	6912 M	-21.34	-13	Pass	9001



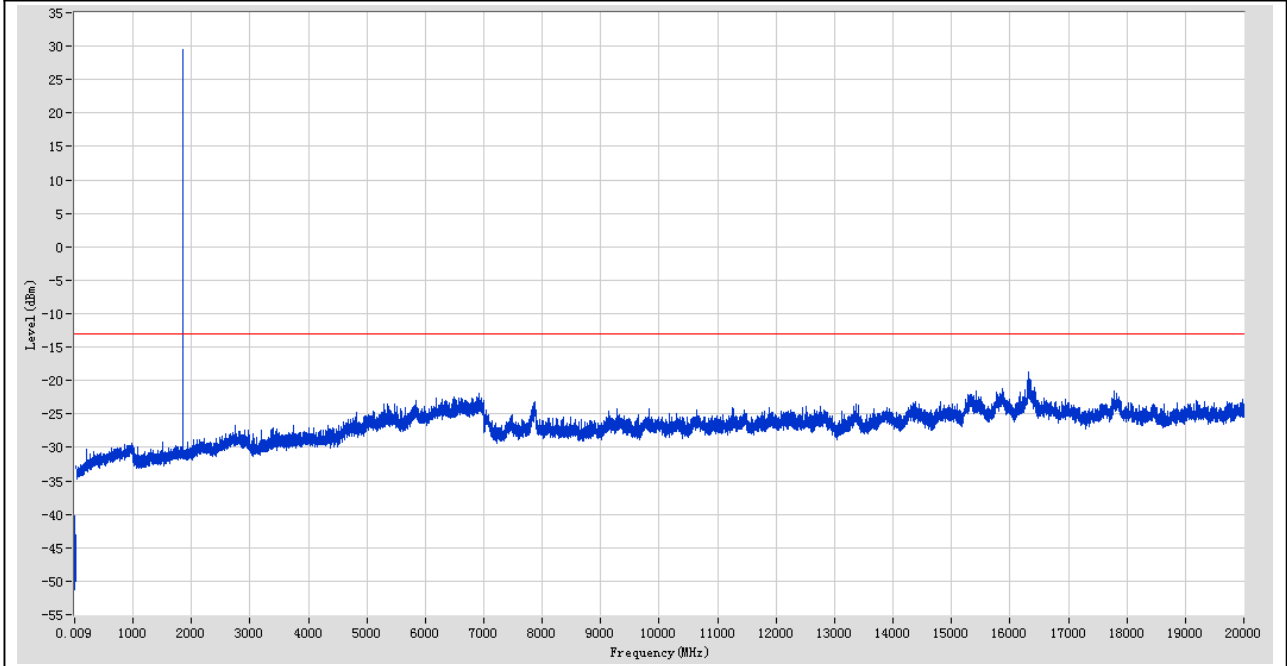
GSM 850 MHz HCH

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	Peak	9 k	-40.28	-13	Pass	625
0.15	30	0.01	Peak	229.6 k	-38.29	-13	Pass	3001
30	500	0.1	Peak	482.3 M	-30.97	-13	Pass	4701
500	1000	0.1	Peak	848.7 M	32.37	-13	N/A	5001
1000	10000	1	Peak	6920 M	-21.97	-13	Pass	9001



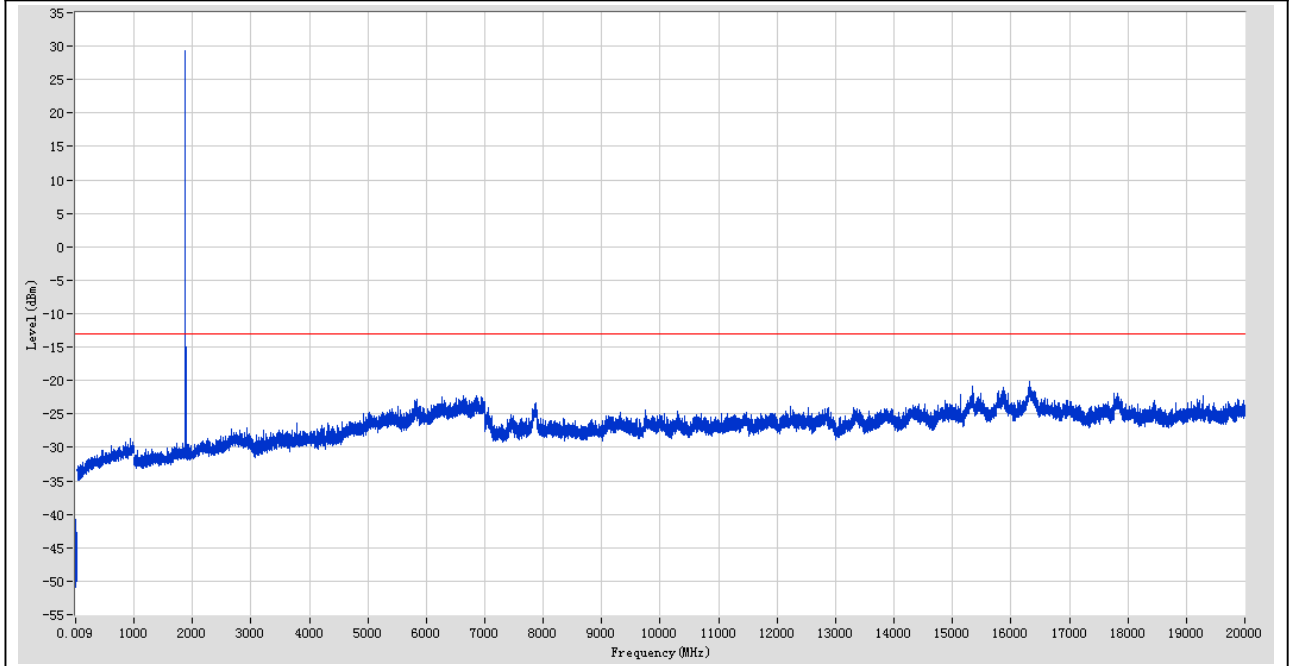
GSM 1900 MHz LCH

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	Peak	10.356 k	-41.94	-13	Pass	625
0.15	30	0.01	Peak	189.8 k	-40.15	-13	Pass	3001
30	1000	1	Peak	980.6 M	-29.37	-13	Pass	1001
1000	3000	1	Peak	1850 M	29.49	-13	N/A	2001
3000	20000	1	Peak	16314 M	-18.69	-13	Pass	17001



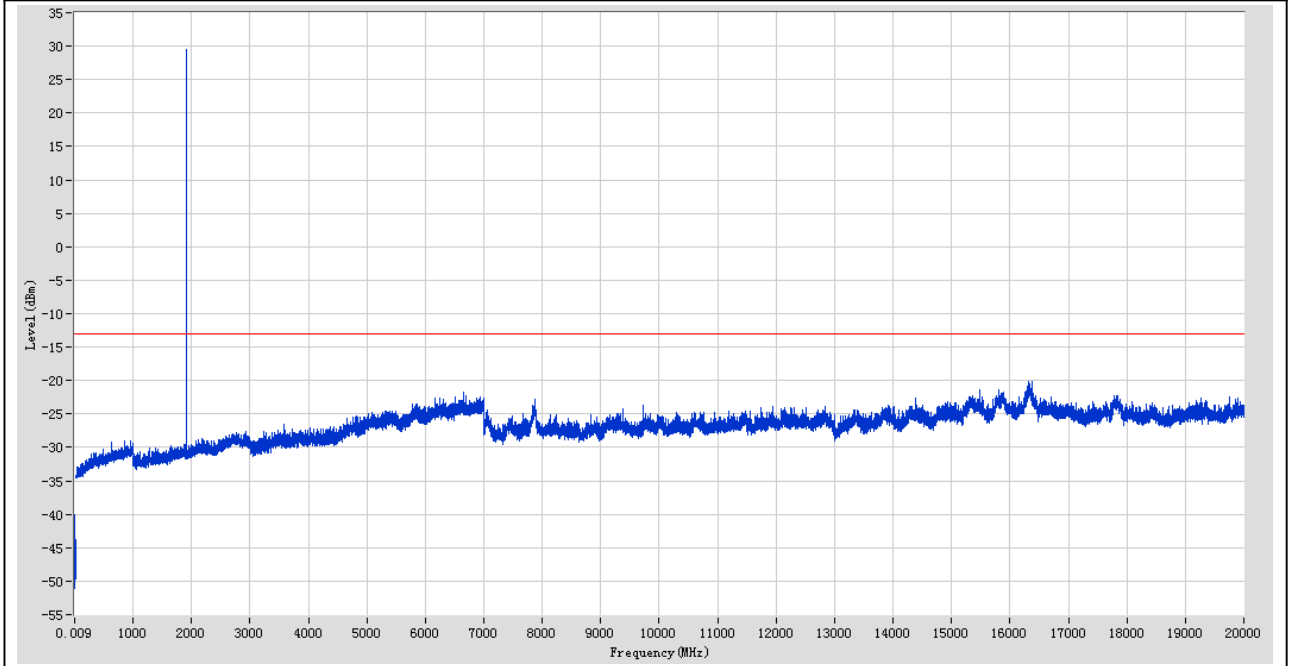
GSM 1900 MHz MCH

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	Peak	9 k	-41.14	-13	Pass	625
0.15	30	0.01	Peak	169.9 k	-40.81	-13	Pass	3001
30	1000	1	Peak	934.04 M	-28.72	-13	Pass	1001
1000	3000	1	Peak	1880 M	29.22	-13	N/A	2001
3000	20000	1	Peak	16325 M	-20.14	-13	Pass	17001



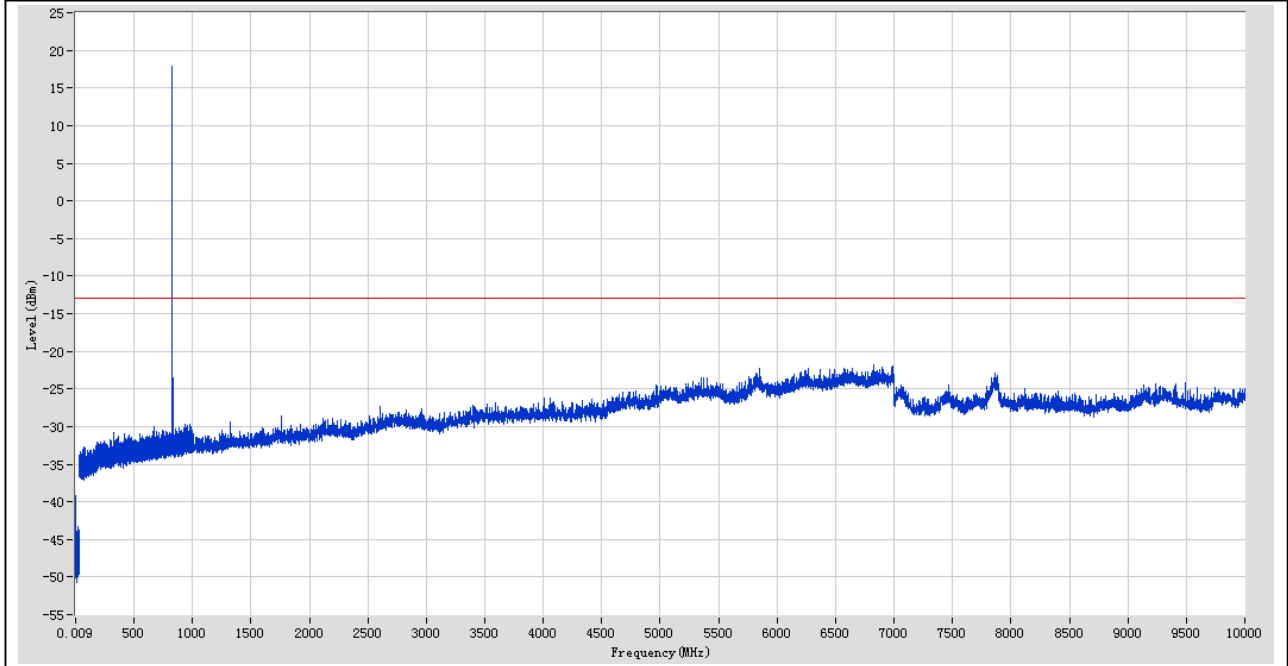
GSM 1900 MHz HCH

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	Peak	9 k	-42.69	-13	Pass	625
0.15	30	0.01	Peak	159.95 k	-40.14	-13	Pass	3001
30	1000	1	Peak	947.62 M	-29.03	-13	Pass	1001
1000	3000	1	Peak	1910 M	29.45	-13	N/A	2001
3000	20000	1	Peak	16323 M	-20.13	-13	Pass	17001



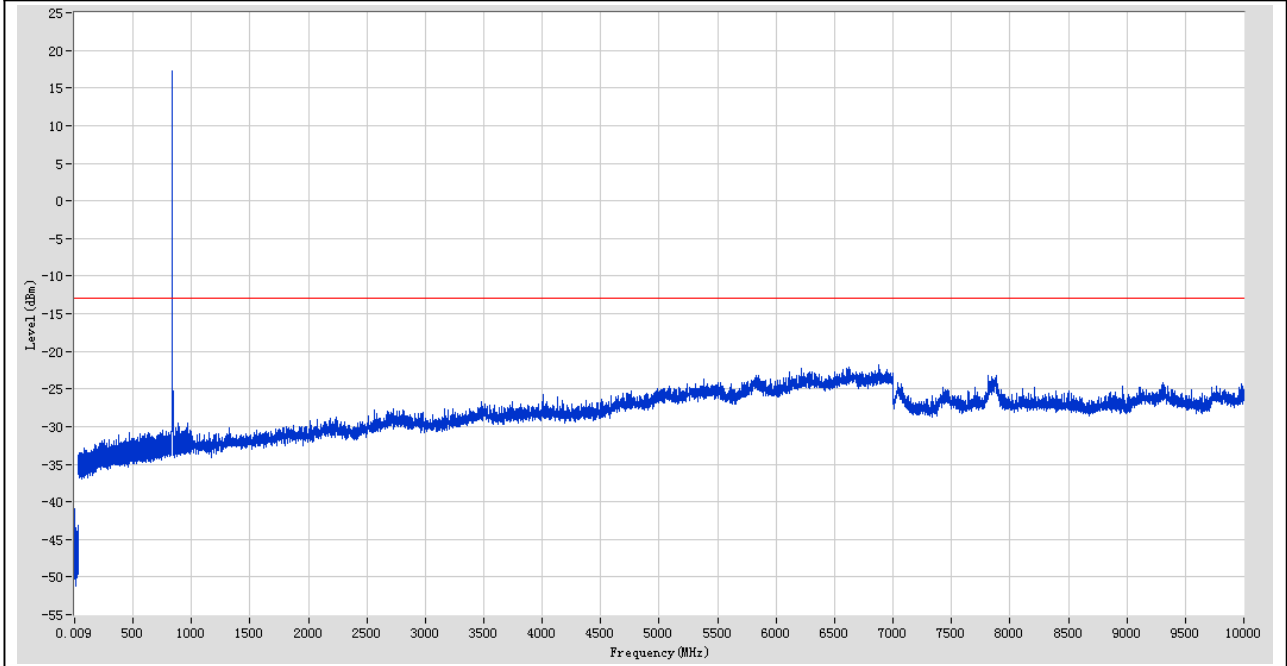
WCDMA 850 MHz LCH

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	Peak	9.452 k	-41.69	-13	Pass	625
0.15	30	0.01	Peak	150 k	-39.16	-13	Pass	3001
30	500	0.1	Peak	325.8 M	-30.89	-13	Pass	4701
500	1000	0.1	Peak	825.5 M	17.89	-13	N/A	5001
1000	10000	1	Peak	6821 M	-21.73	-13	Pass	9001



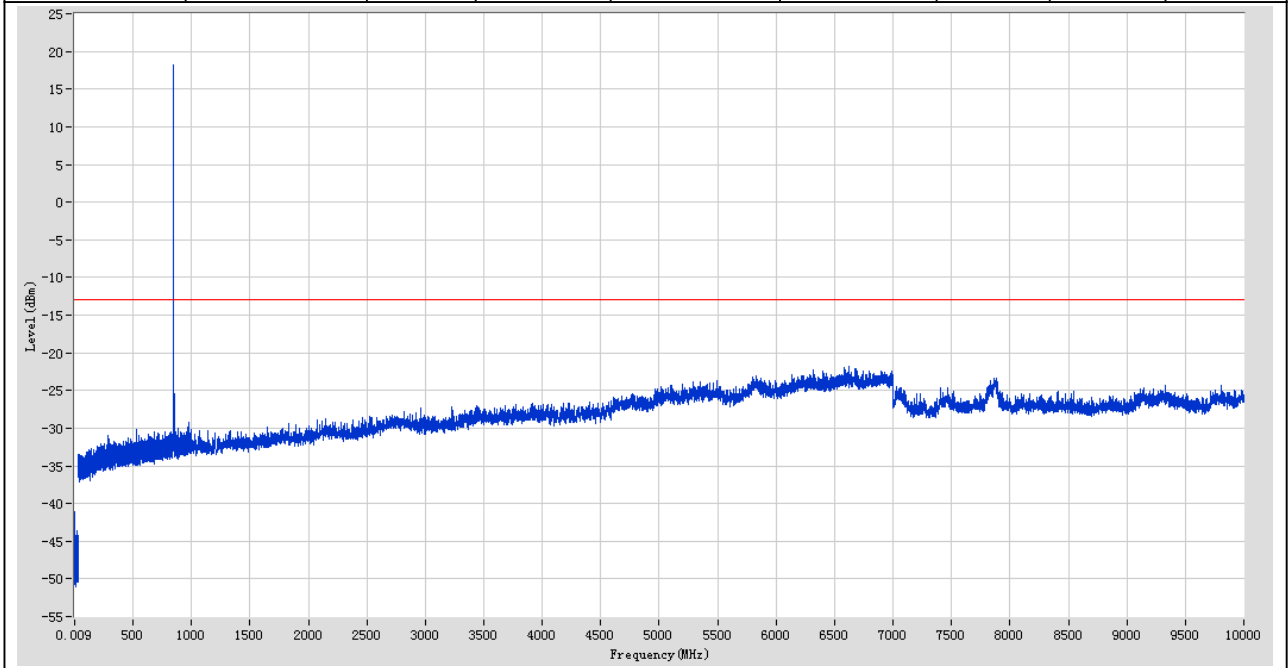
WCDMA 850 MHz MCH

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	Peak	10.13 k	-41.43	-13	Pass	625
0.15	30	0.01	Peak	150 k	-40.91	-13	Pass	3001
30	500	0.1	Peak	464.1 M	-30.84	-13	Pass	4701
500	1000	0.1	Peak	835.6 M	17.32	-13	N/A	5001
1000	10000	1	Peak	6874 M	-21.75	-13	Pass	9001



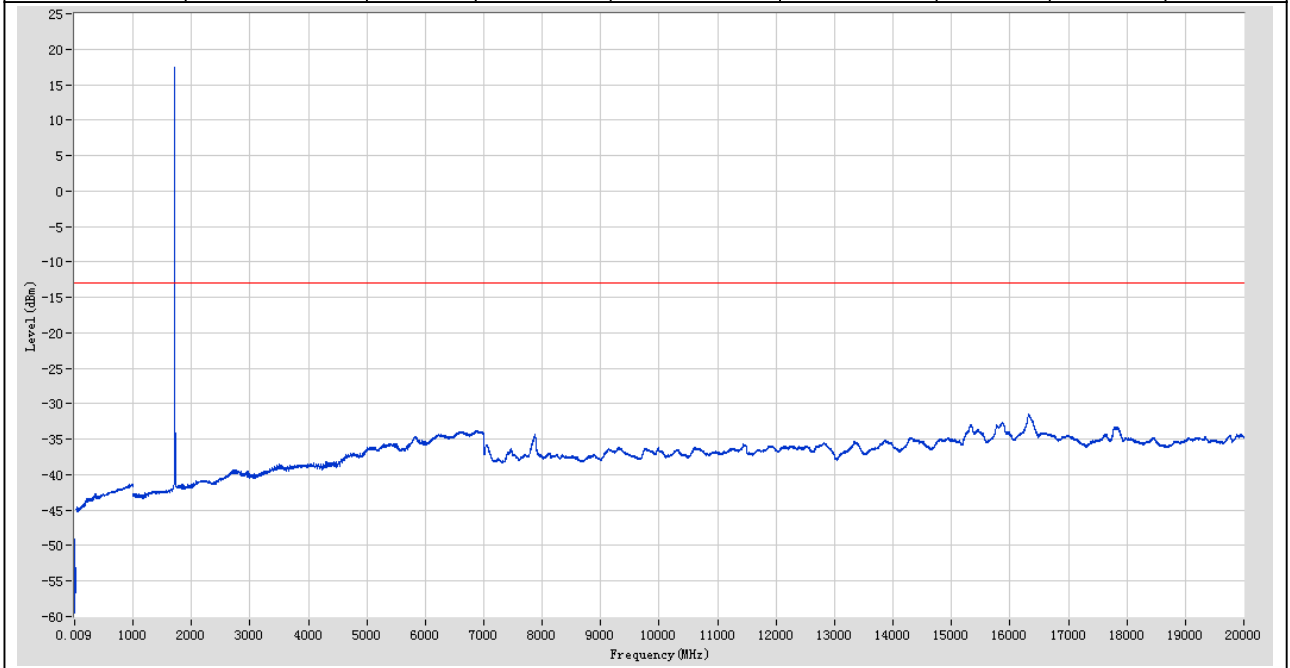
WCDMA 850 MHz HCH

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	Peak	9.904 k	-42.49	-13	Pass	625
0.15	30	0.01	Peak	159.95 k	-41.01	-13	Pass	3001
30	500	0.1	Peak	287.4 M	-30.99	-13	Pass	4701
500	1000	0.1	Peak	847.2 M	18.25	-13	N/A	5001
1000	10000	1	Peak	6626 M	-21.87	-13	Pass	9001



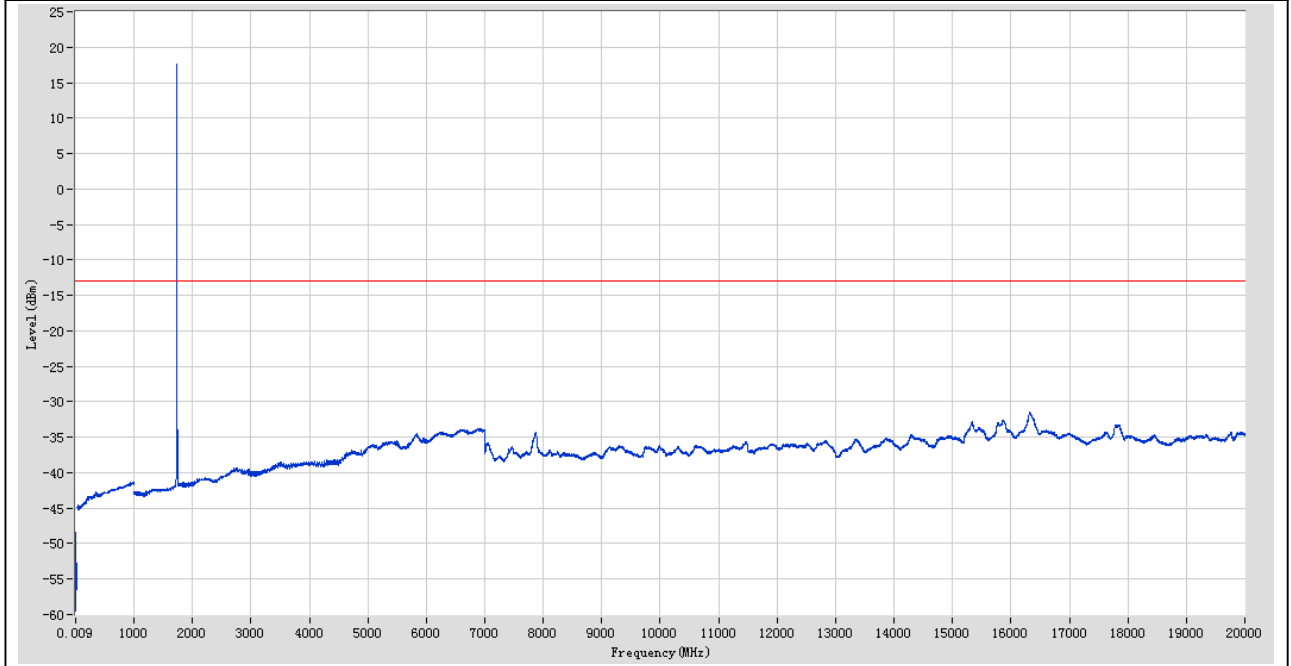
WCDMA 1700 MHz LCH

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9 k	-52.38	-13	Pass	625
0.15	30	0.01	RMS	169.9 k	-49.05	-13	Pass	3001
30	1000	1	RMS	976.72 M	-41.33	-13	Pass	1001
1000	3000	1	RMS	1712 M	17.42	-13	N/A	2001
3000	20000	1	RMS	16320 M	-31.53	-13	Pass	17001



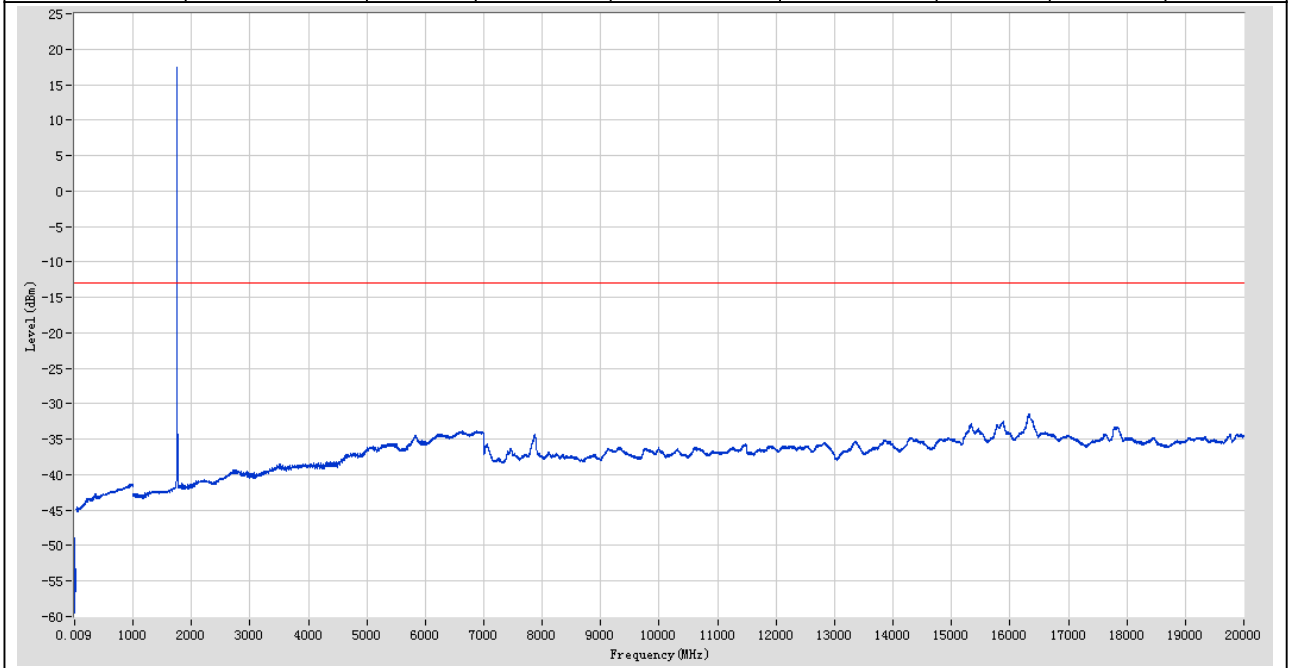
WCDMA 1700 MHz MCH

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9 k	-52.33	-13	Pass	625
0.15	30	0.01	RMS	150 k	-48.4	-13	Pass	3001
30	1000	1	RMS	974.78 M	-41.35	-13	Pass	1001
1000	3000	1	RMS	1733 M	17.62	-13	N/A	2001
3000	20000	1	RMS	16325 M	-31.39	-13	Pass	17001



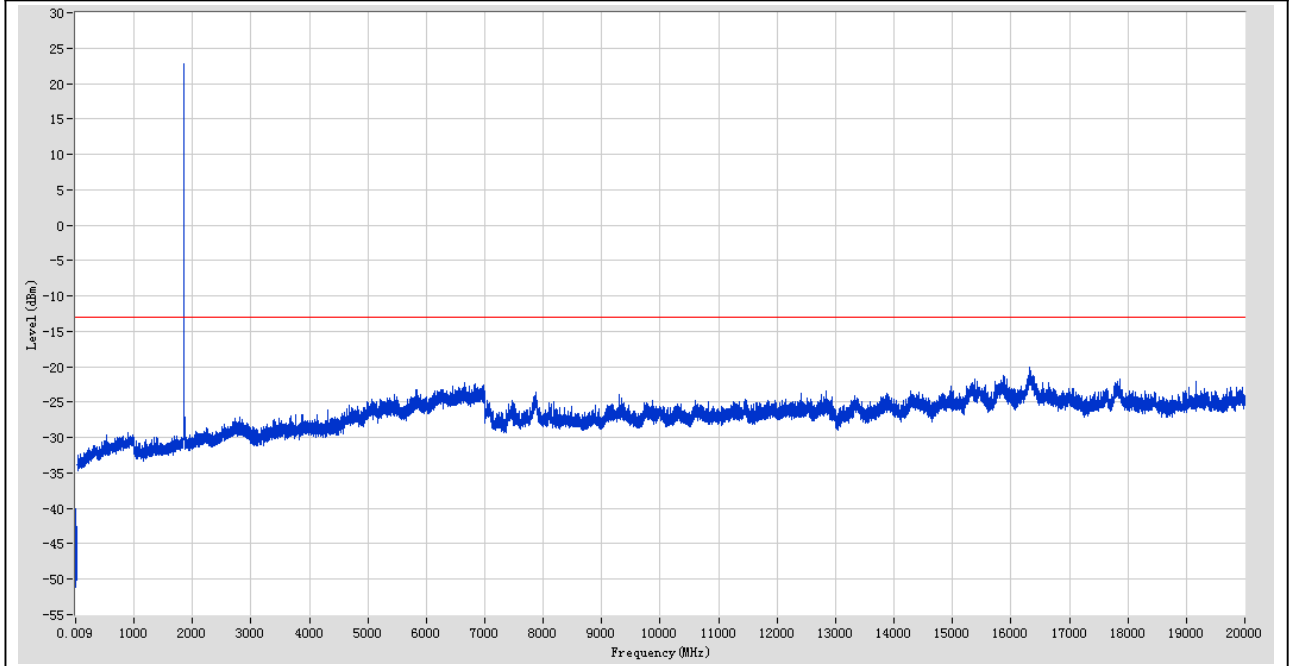
WCDMA 1700 MHz HCH

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9 k	-52.32	-13	Pass	625
0.15	30	0.01	RMS	150 k	-48.97	-13	Pass	3001
30	1000	1	RMS	975.75 M	-41.33	-13	Pass	1001
1000	3000	1	RMS	1753 M	17.4	-13	N/A	2001
3000	20000	1	RMS	16323 M	-31.43	-13	Pass	17001



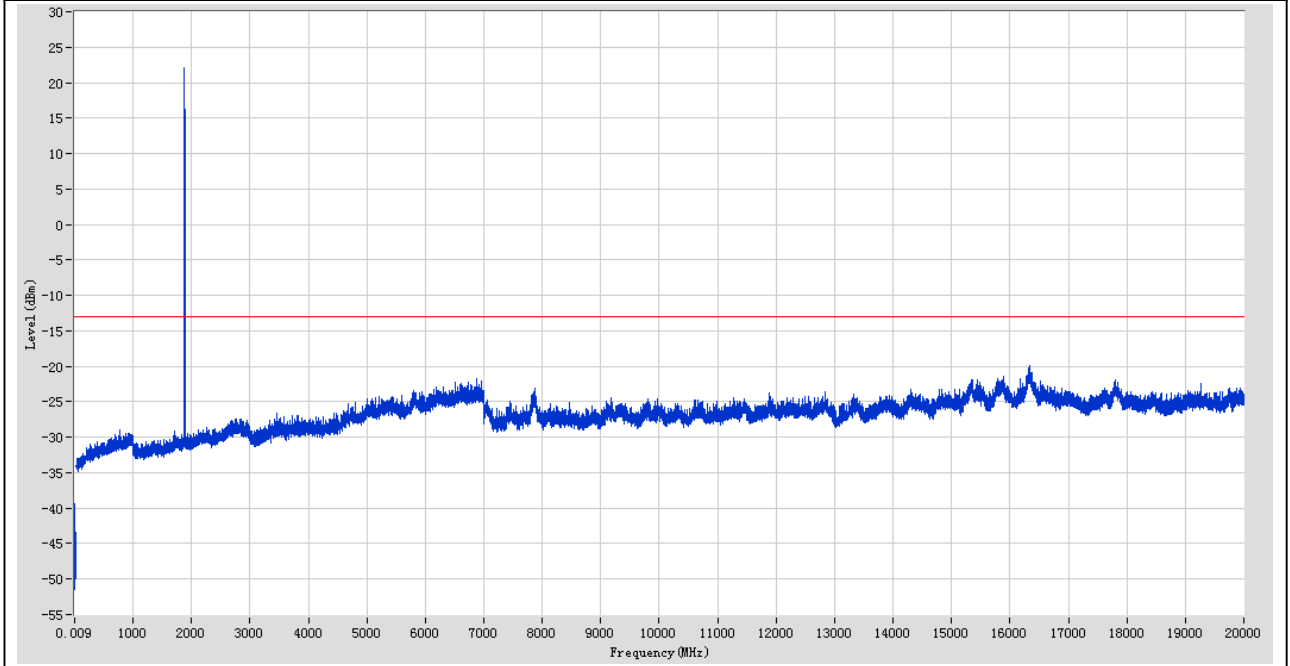
WCDMA 1900 MHz LCH

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	Peak	9 k	-42.24	-13	Pass	625
0.15	30	0.01	Peak	150 k	-40.1	-13	Pass	3001
30	1000	1	Peak	896.21 M	-29.29	-13	Pass	1001
1000	3000	1	Peak	1851 M	22.77	-13	N/A	2001
3000	20000	1	Peak	16309 M	-20.13	-13	Pass	17001



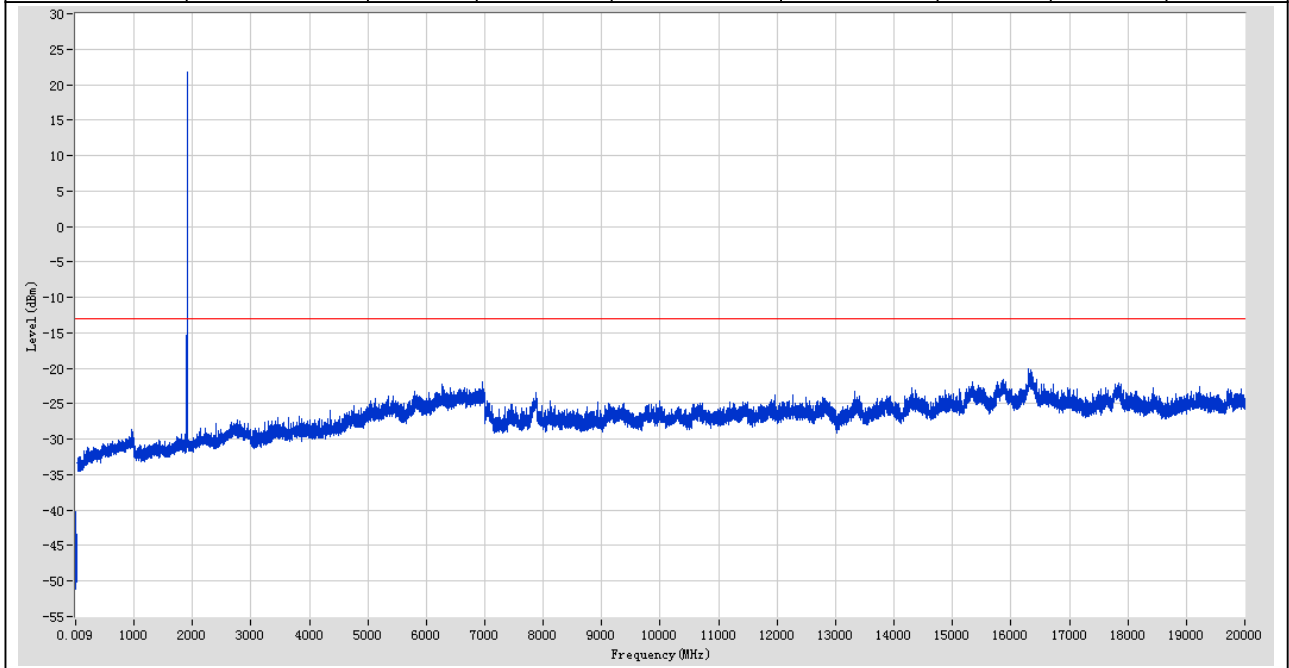
WCDMA 1900 MHz MCH

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	Peak	9.678 k	-40.89	-13	Pass	625
0.15	30	0.01	Peak	209.7 k	-39.42	-13	Pass	3001
30	1000	1	Peak	771.08 M	-28.92	-13	Pass	1001
1000	3000	1	Peak	1881 M	22.03	-13	N/A	2001
3000	20000	1	Peak	16332 M	-19.83	-13	Pass	17001



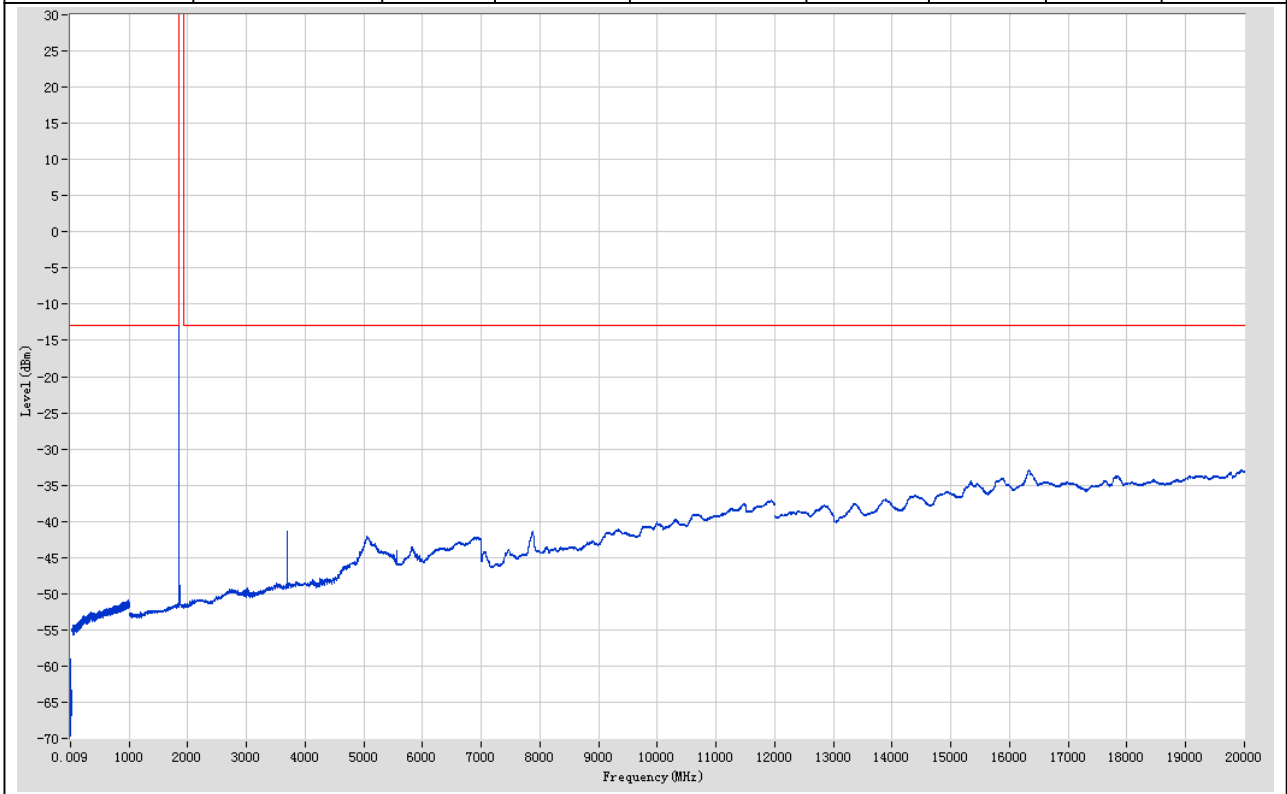
WCDMA 1900 MHz HCH

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	Peak	10.13 k	-42.3	-13	Pass	625
0.15	30	0.01	Peak	150 k	-40.22	-13	Pass	3001
30	1000	1	Peak	954.41 M	-28.57	-13	Pass	1001
1000	3000	1	Peak	1906 M	21.8	-13	N/A	2001
3000	20000	1	Peak	16302 M	-20.07	-13	Pass	17001



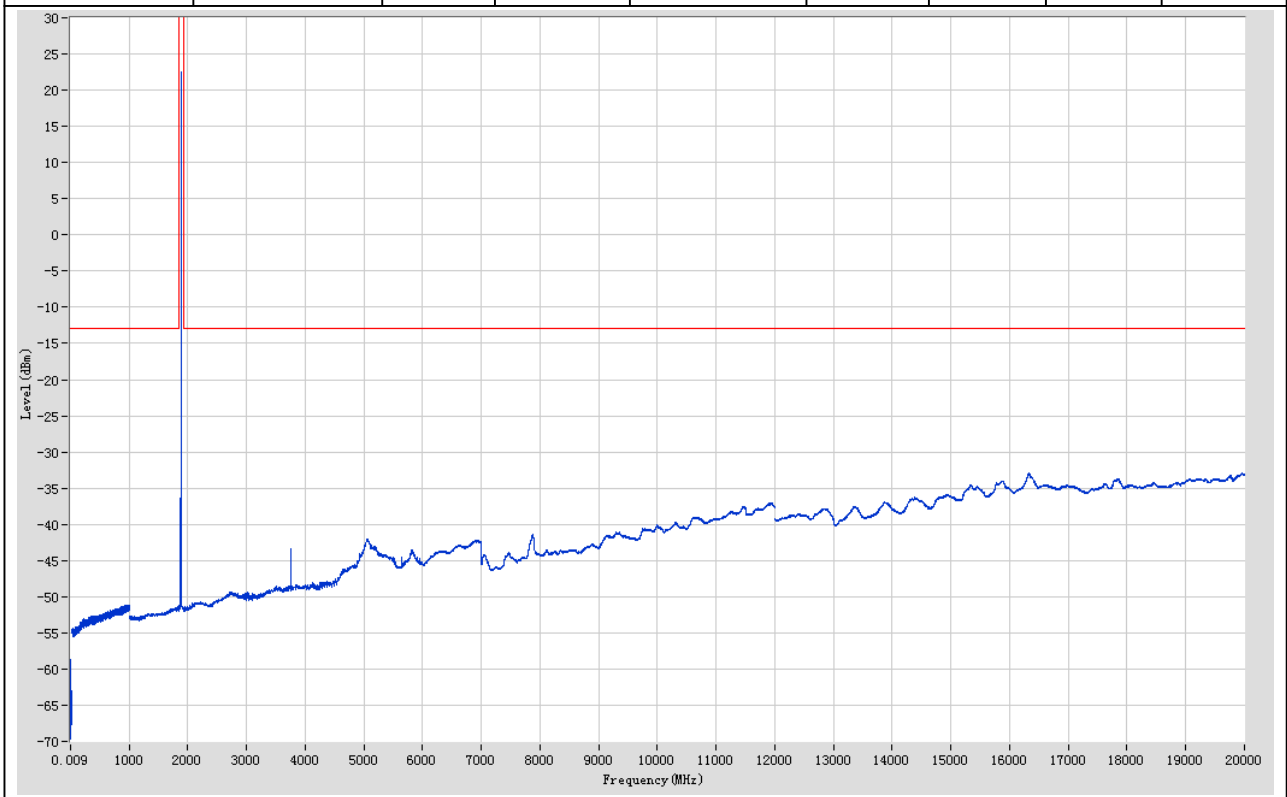
LTE Band 2 QPSK 1.4 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.011	-62.19	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.99	-13	Pass	2985
30	1000	0.1	RMS	977.198	-50.95	-13	Pass	9700
1000	1840	1	RMS	1829.988	-51.29	-13	Pass	840
1840	1920	1	RMS	1850.203	23	60	Pass	691
1920	3000	1	RMS	2712.734	-49.33	-13	Pass	1080
3000	12000	1	RMS	11940.993	-37.13	-13	Pass	9000
12000	20000	1	RMS	16325.541	-32.9	-13	Pass	8000



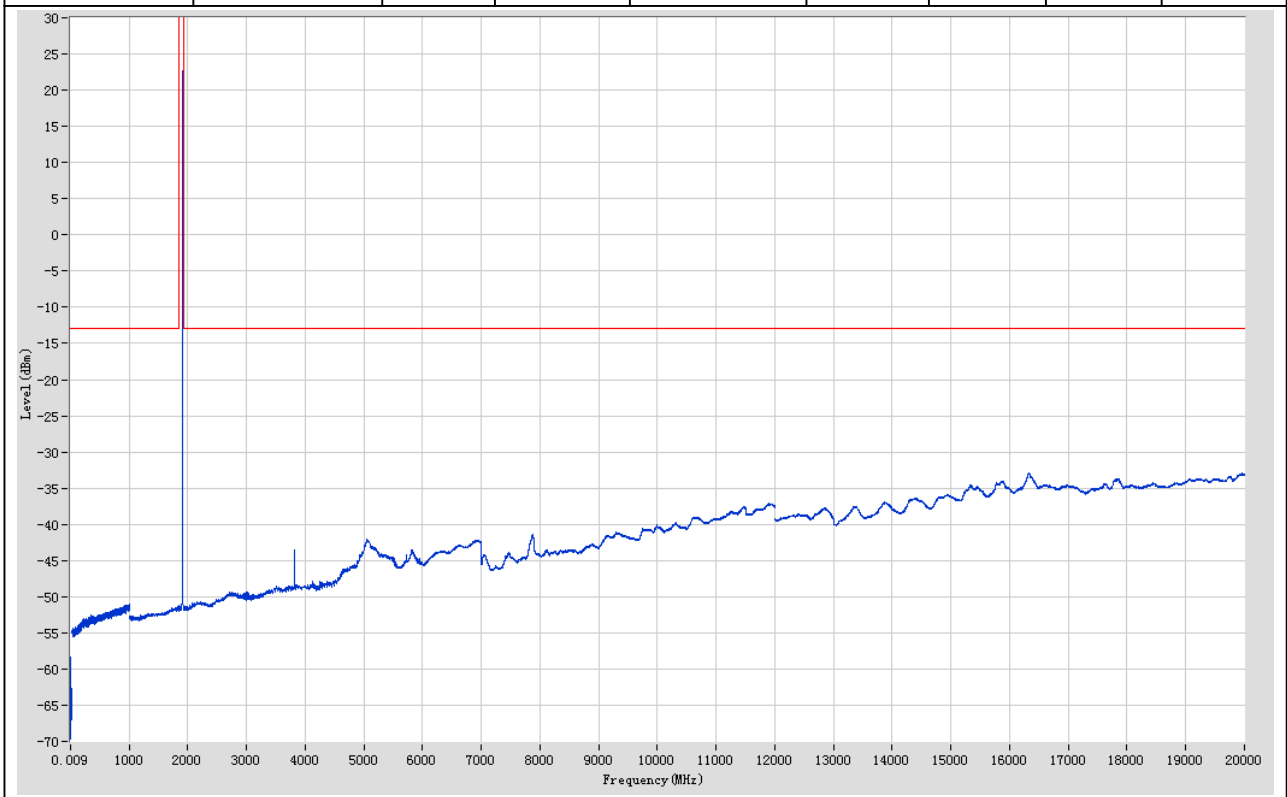
LTE Band 2 QPSK 1.4 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-62.55	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.64	-13	Pass	2985
30	1000	0.1	RMS	998.2	-51.12	-13	Pass	9700
1000	1840	1	RMS	1827.986	-51.3	-13	Pass	840
1840	1920	1	RMS	1879.536	22.56	60	Pass	691
1920	3000	1	RMS	2754.773	-49.3	-13	Pass	1080
3000	12000	1	RMS	11953.995	-37.12	-13	Pass	9000
12000	20000	1	RMS	19949.994	-32.89	-13	Pass	8000



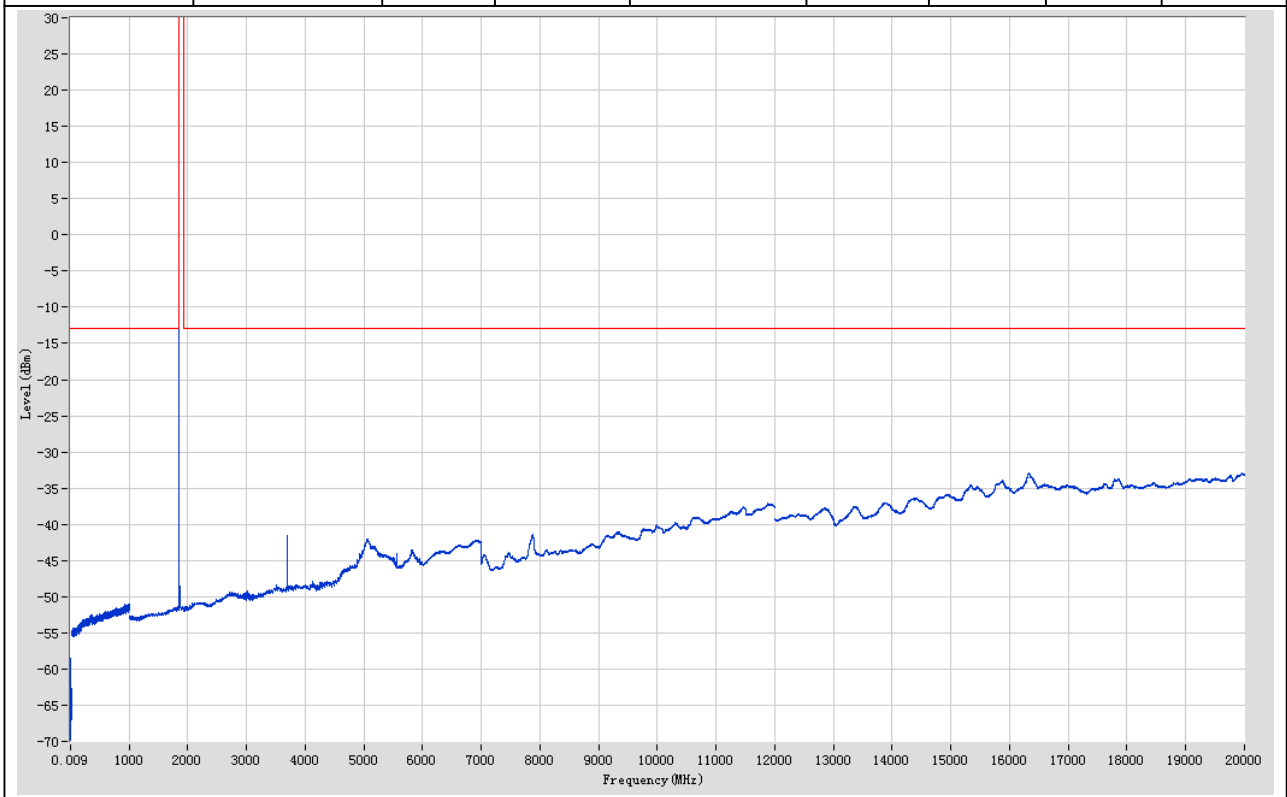
LTE Band 2 QPSK 1.4 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.011	-62.36	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.42	-13	Pass	2985
30	1000	0.1	RMS	999.6	-51.05	-13	Pass	9700
1000	1840	1	RMS	1829.988	-51.31	-13	Pass	840
1840	1920	1	RMS	1908.87	22.69	60	Pass	691
1920	3000	1	RMS	2754.773	-49.32	-13	Pass	1080
3000	12000	1	RMS	11892.988	-37.11	-13	Pass	9000
12000	20000	1	RMS	16320.54	-32.94	-13	Pass	8000



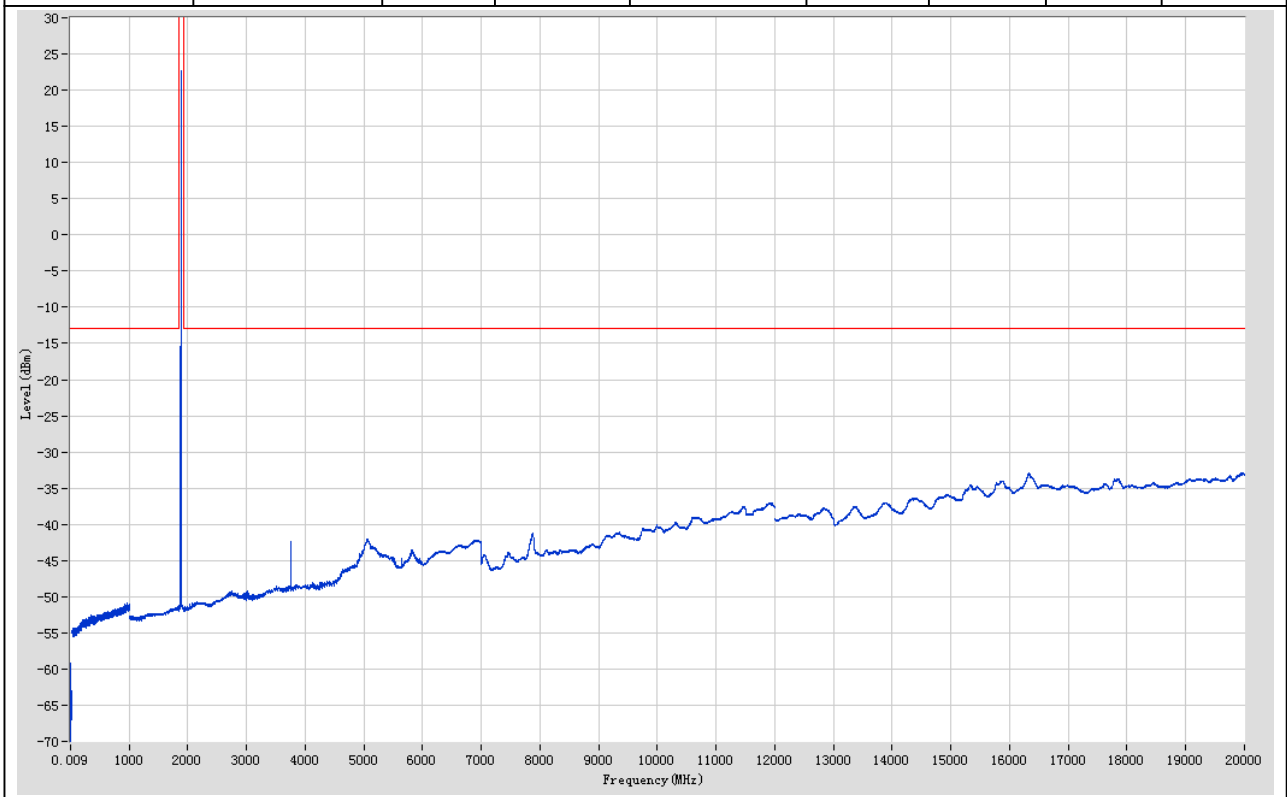
LTE Band 2 QPSK 3 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-62.86	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.58	-13	Pass	2985
30	1000	0.1	RMS	977.898	-50.96	-13	Pass	9700
1000	1840	1	RMS	1829.988	-51.29	-13	Pass	840
1840	1920	1	RMS	1850.203	23	60	Pass	691
1920	3000	1	RMS	2753.772	-49.33	-13	Pass	1080
3000	12000	1	RMS	11884.987	-37.12	-13	Pass	9000
12000	20000	1	RMS	19948.994	-32.96	-13	Pass	8000



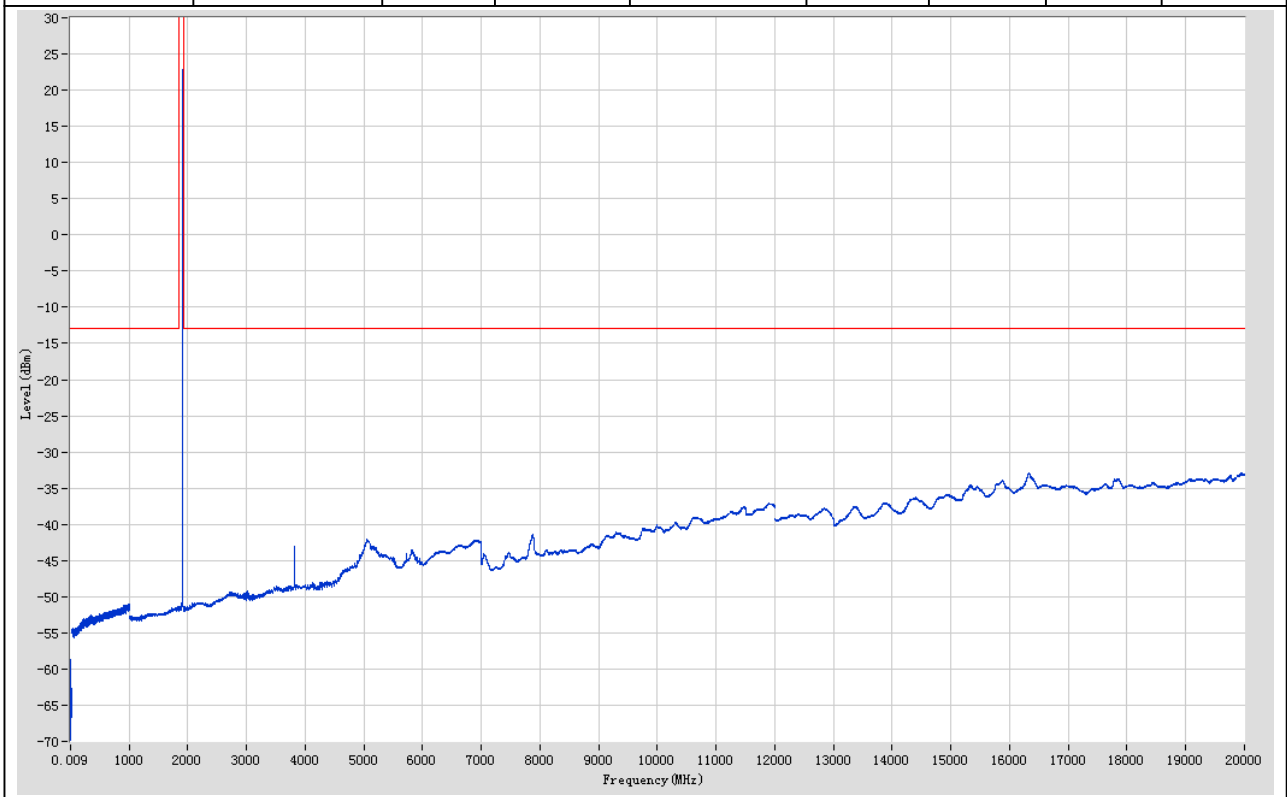
LTE Band 2 QPSK 3 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-63.47	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.22	-13	Pass	2985
30	1000	0.1	RMS	970.497	-50.94	-13	Pass	9700
1000	1840	1	RMS	1826.985	-51.3	-13	Pass	840
1840	1920	1	RMS	1878.725	22.7	60	Pass	691
1920	3000	1	RMS	2752.771	-49.26	-13	Pass	1080
3000	12000	1	RMS	11912.99	-37.06	-13	Pass	9000
12000	20000	1	RMS	19952.994	-32.96	-13	Pass	8000



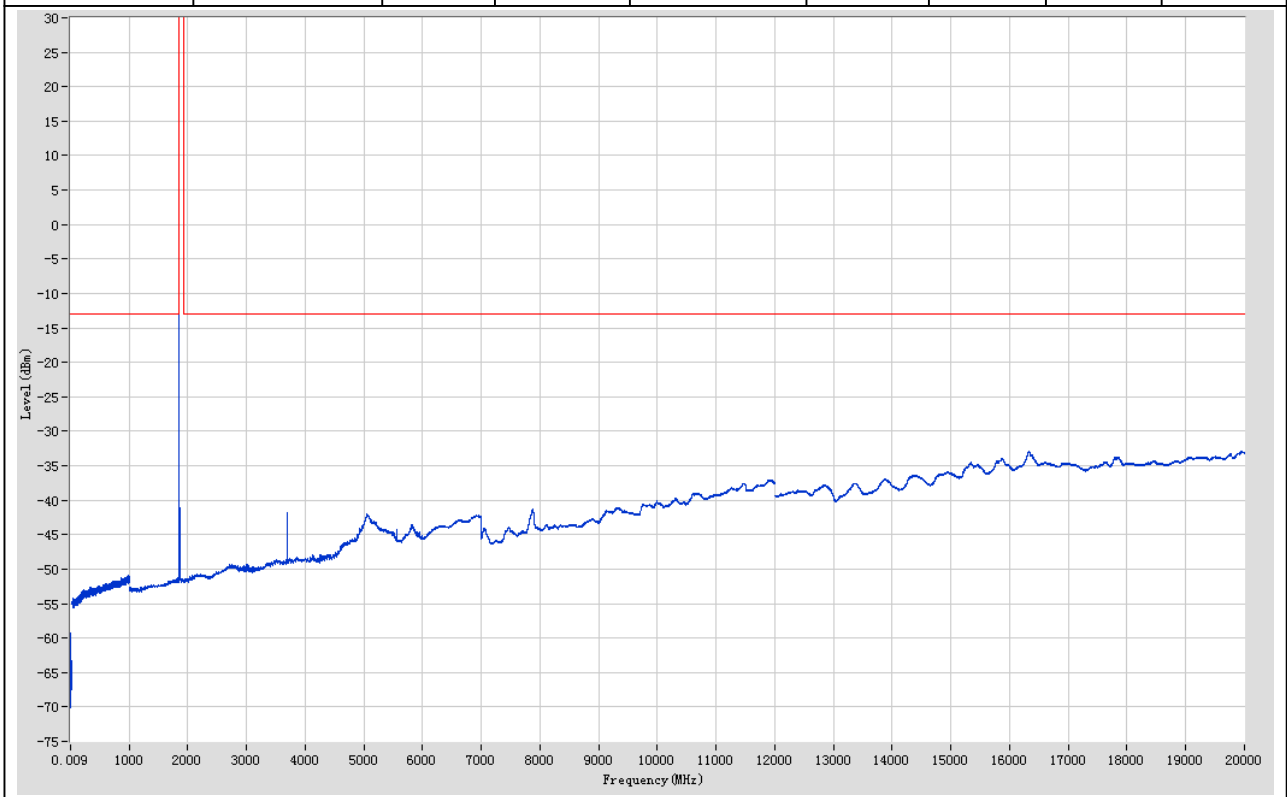
LTE Band 2 QPSK 3 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-62.9	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.65	-13	Pass	2985
30	1000	0.1	RMS	978.398	-51	-13	Pass	9700
1000	1840	1	RMS	1829.988	-51.33	-13	Pass	840
1840	1920	1	RMS	1907.246	22.77	60	Pass	691
1920	3000	1	RMS	2754.773	-49.35	-13	Pass	1080
3000	12000	1	RMS	11906.99	-37.1	-13	Pass	9000
12000	20000	1	RMS	19949.994	-32.91	-13	Pass	8000



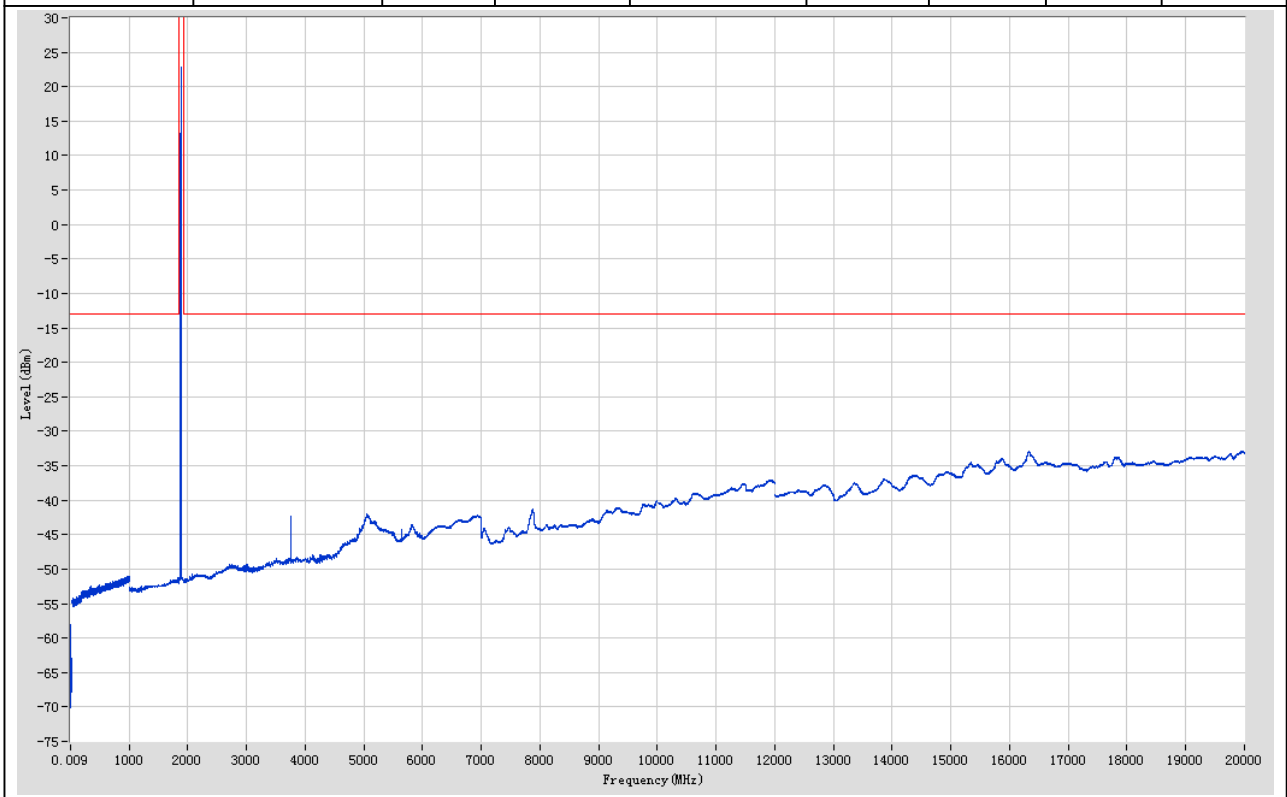
LTE Band 2 QPSK 5 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-63.35	-13	Pass	691
0.15	30	0.01	RMS	0.16	-59.3	-13	Pass	2985
30	1000	0.1	RMS	977.898	-50.92	-13	Pass	9700
1000	1840	1	RMS	1828.987	-51.24	-13	Pass	840
1840	1920	1	RMS	1850.319	22.87	60	Pass	691
1920	3000	1	RMS	2753.772	-49.31	-13	Pass	1080
3000	12000	1	RMS	11906.99	-37.11	-13	Pass	9000
12000	20000	1	RMS	16325.541	-32.92	-13	Pass	8000



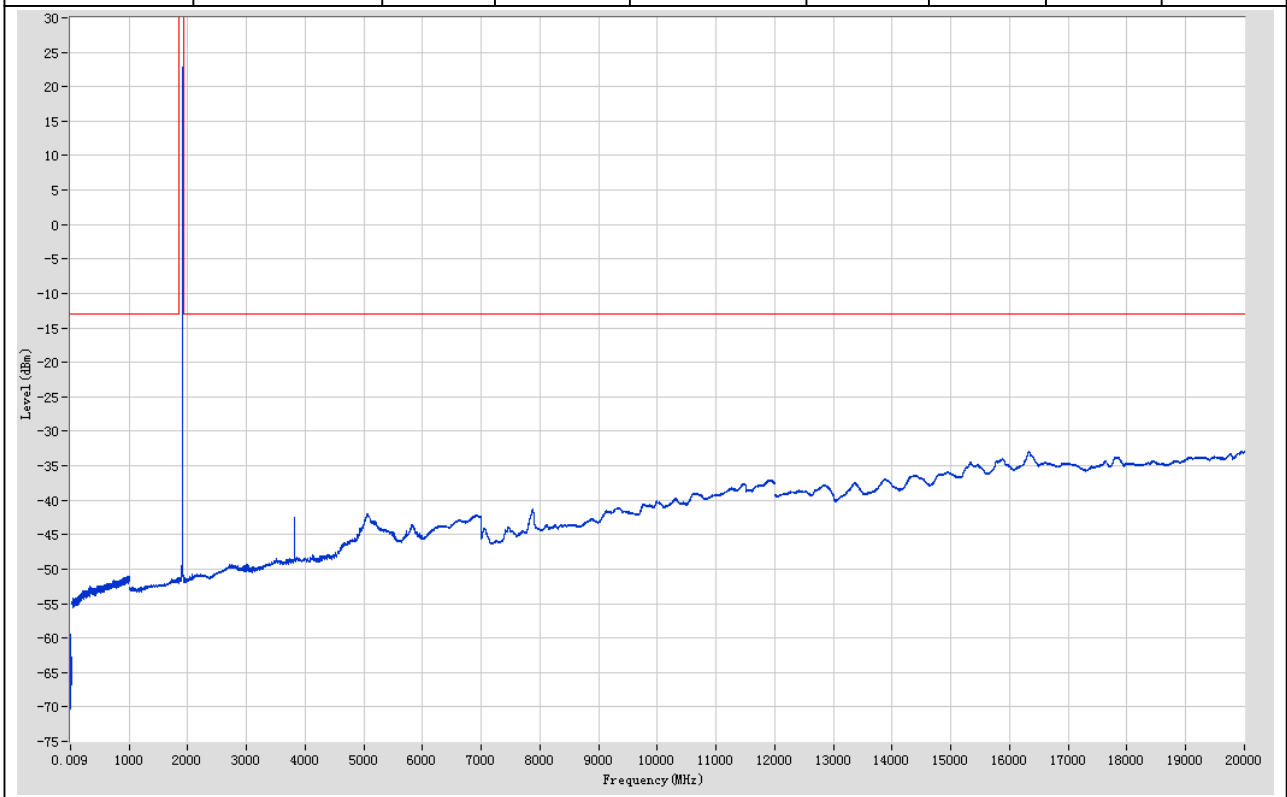
LTE Band 2 QPSK 5 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-63.53	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.04	-13	Pass	2985
30	1000	0.1	RMS	978.098	-50.98	-13	Pass	9700
1000	1840	1	RMS	1828.987	-51.29	-13	Pass	840
1840	1920	1	RMS	1877.797	22.85	60	Pass	691
1920	3000	1	RMS	2756.775	-49.32	-13	Pass	1080
3000	12000	1	RMS	11930.992	-37.1	-13	Pass	9000
12000	20000	1	RMS	19948.994	-32.93	-13	Pass	8000



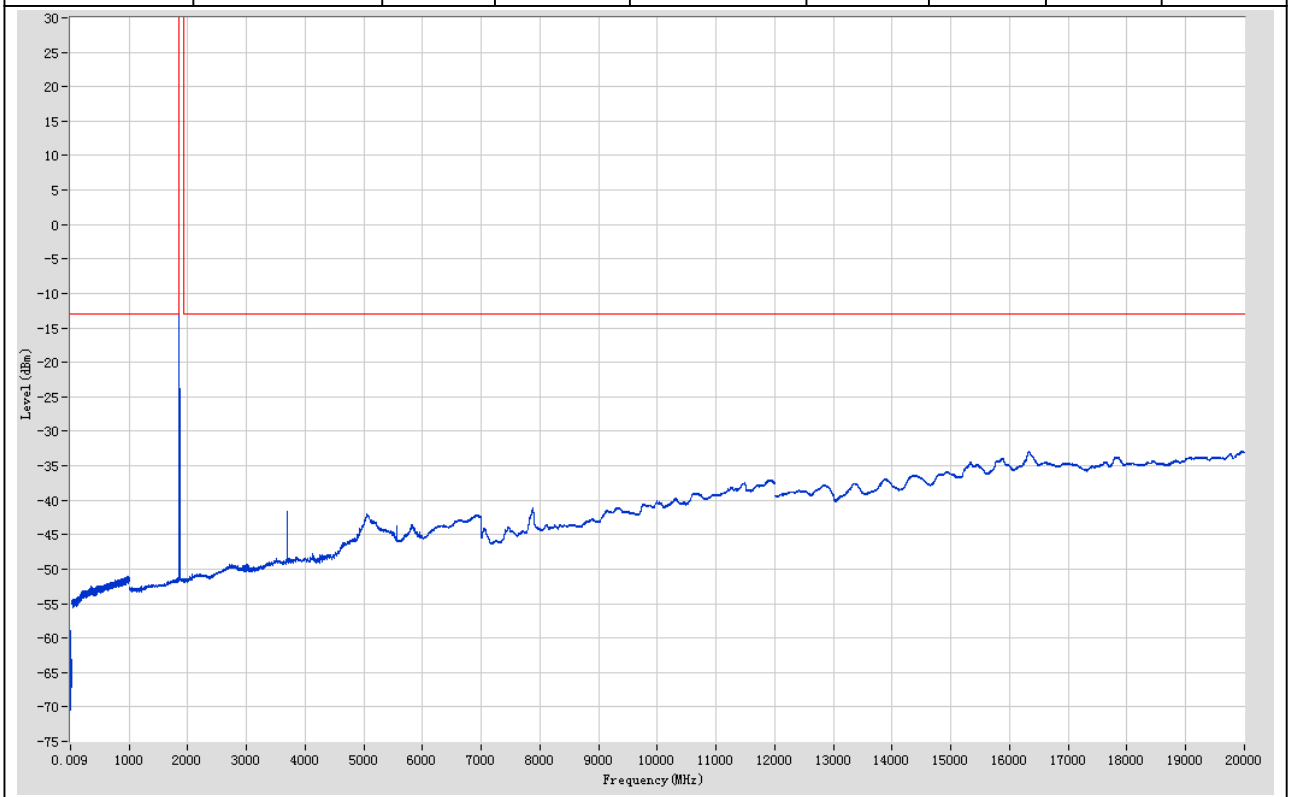
LTE Band 2 QPSK 5 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.14	-13	Pass	691
0.15	30	0.01	RMS	0.16	-59.45	-13	Pass	2985
30	1000	0.1	RMS	999.5	-51.09	-13	Pass	9700
1000	1840	1	RMS	1827.986	-51.31	-13	Pass	840
1840	1920	1	RMS	1905.391	22.92	60	Pass	691
1920	3000	1	RMS	2754.773	-49.32	-13	Pass	1080
3000	12000	1	RMS	11953.995	-37.08	-13	Pass	9000
12000	20000	1	RMS	19949.994	-32.94	-13	Pass	8000



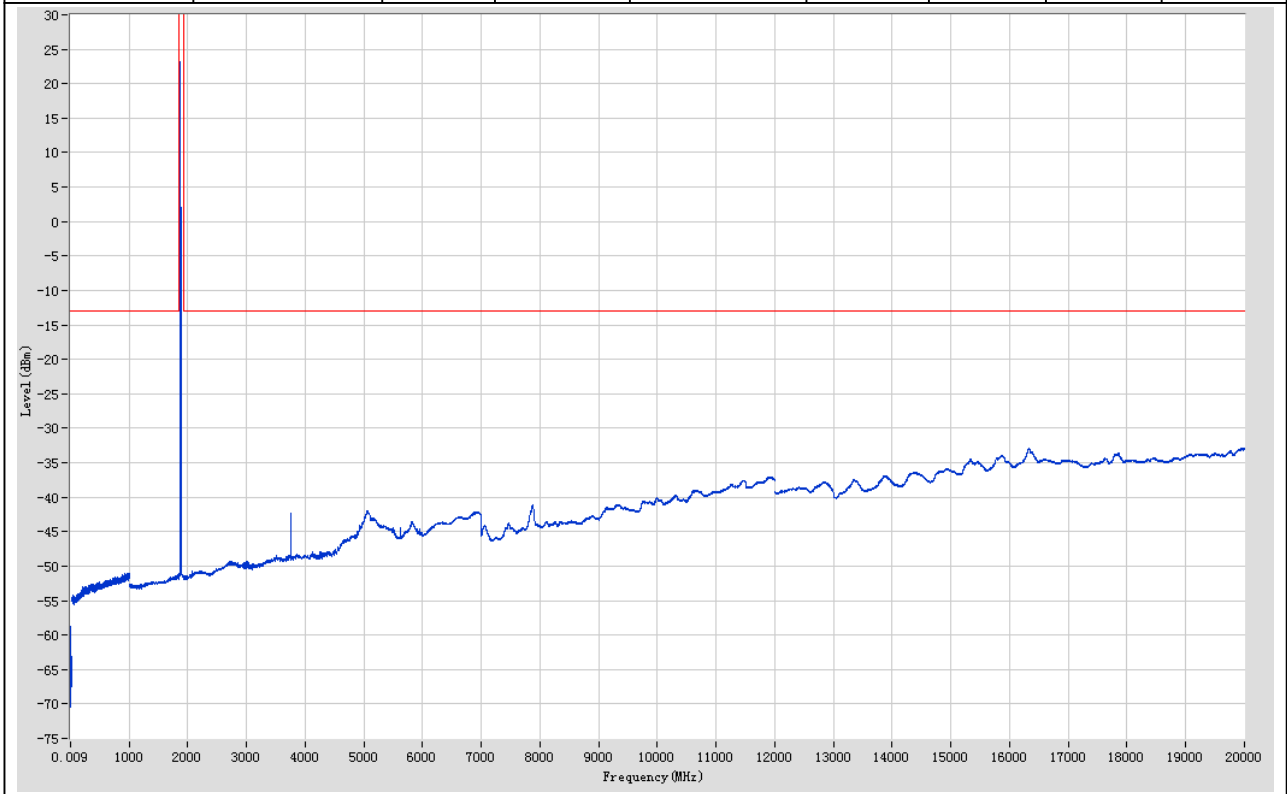
LTE Band 2 QPSK 10 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.48	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59	-13	Pass	2985
30	1000	0.1	RMS	975.998	-50.98	-13	Pass	9700
1000	1840	1	RMS	1829.988	-51.19	-13	Pass	840
1840	1920	1	RMS	1850.551	23.29	60	Pass	691
1920	3000	1	RMS	2752.771	-49.29	-13	Pass	1080
3000	12000	1	RMS	11886.987	-37.09	-13	Pass	9000
12000	20000	1	RMS	19957.995	-32.9	-13	Pass	8000



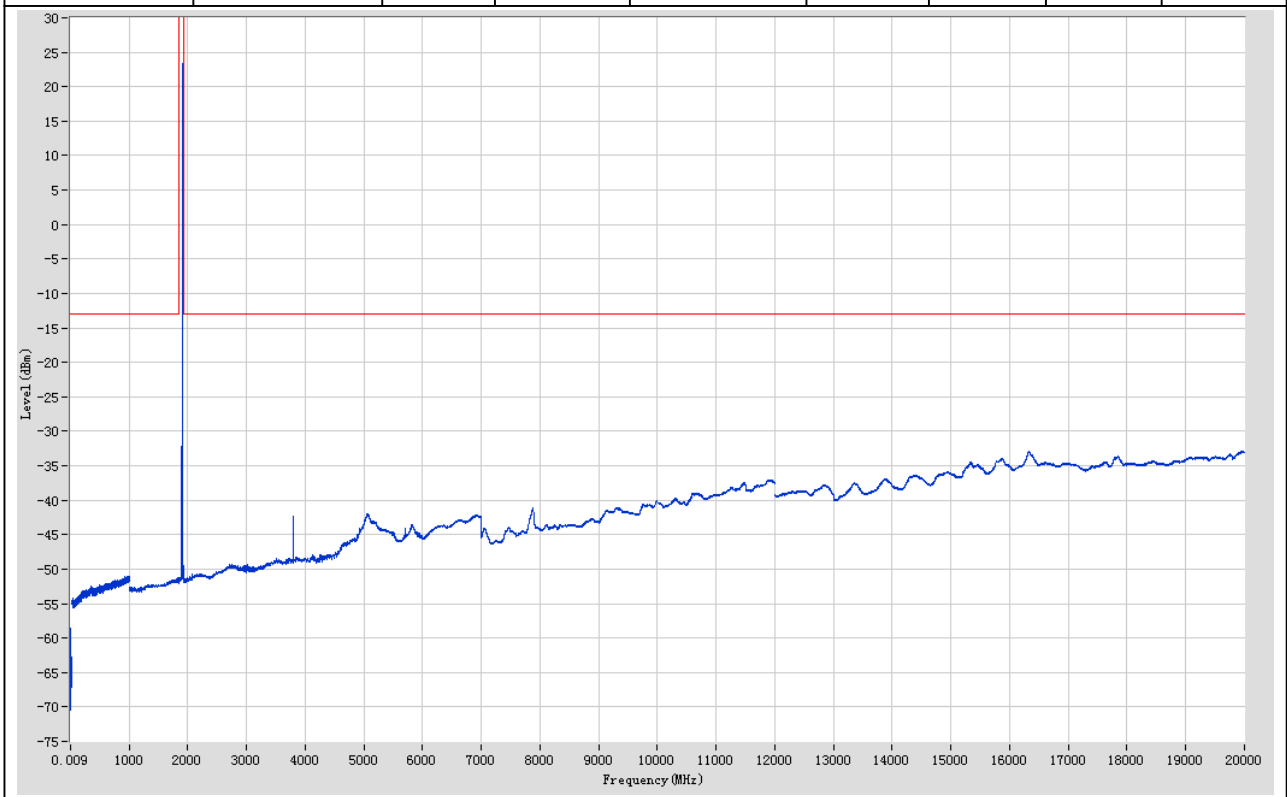
LTE Band 2 QPSK 10 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.49	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.79	-13	Pass	2985
30	1000	0.1	RMS	955.595	-51.02	-13	Pass	9700
1000	1840	1	RMS	1830.989	-51.23	-13	Pass	840
1840	1920	1	RMS	1875.594	23.16	60	Pass	691
1920	3000	1	RMS	2754.773	-49.29	-13	Pass	1080
3000	12000	1	RMS	11940.993	-37.07	-13	Pass	9000
12000	20000	1	RMS	19945.993	-32.92	-13	Pass	8000



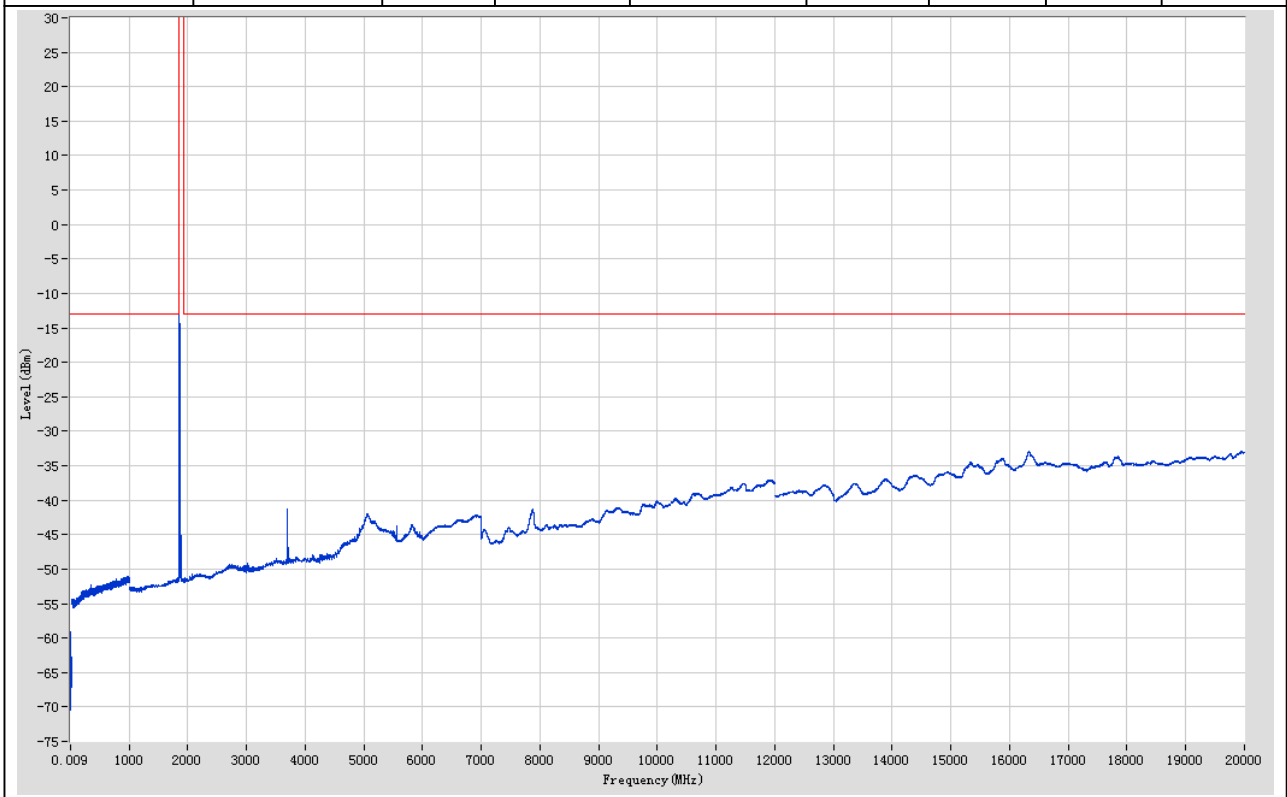
LTE Band 2 QPSK 10 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.43	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.62	-13	Pass	2985
30	1000	0.1	RMS	1000	-51.05	-13	Pass	9700
1000	1840	1	RMS	1829.988	-51.26	-13	Pass	840
1840	1920	1	RMS	1900.638	23.31	60	Pass	691
1920	3000	1	RMS	2752.771	-49.28	-13	Pass	1080
3000	12000	1	RMS	11938.993	-37.08	-13	Pass	9000
12000	20000	1	RMS	16321.54	-32.89	-13	Pass	8000



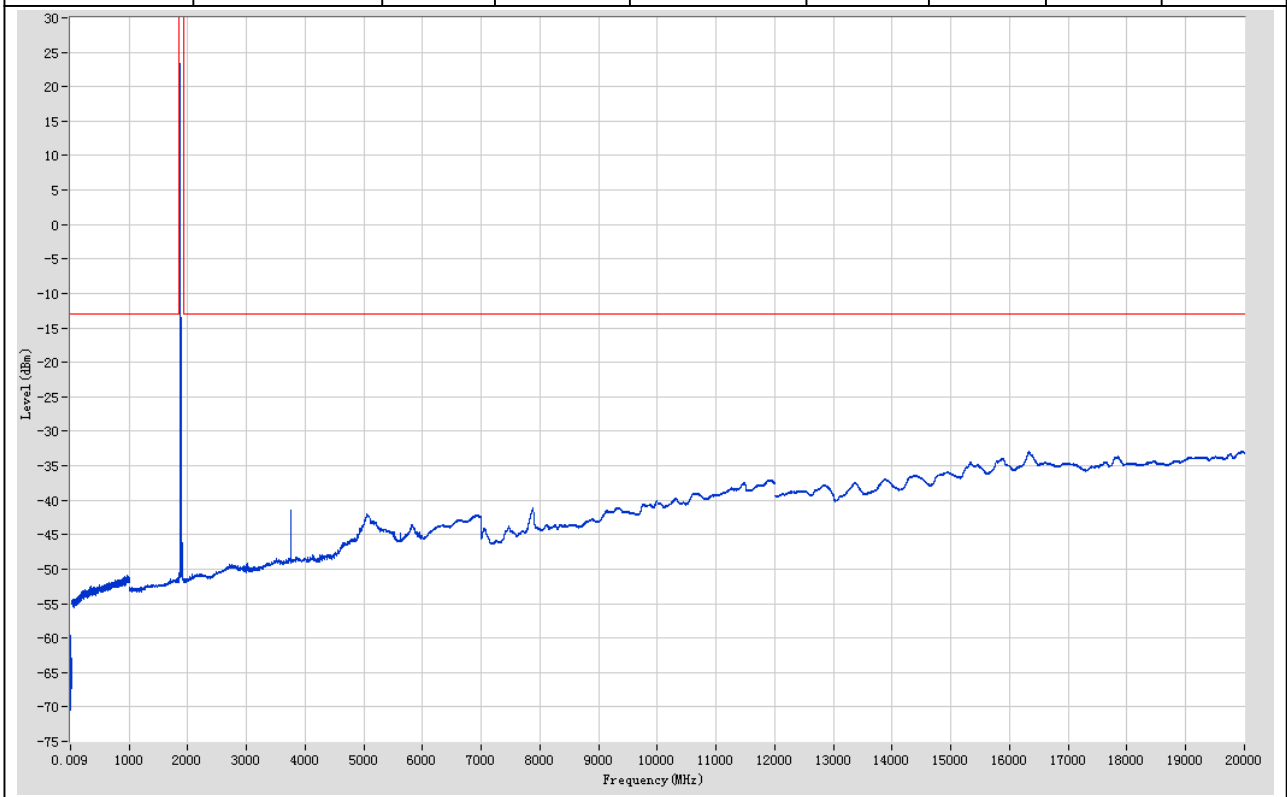
LTE Band 2 QPSK 15 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.37	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.13	-13	Pass	2985
30	1000	0.1	RMS	971.097	-51.08	-13	Pass	9700
1000	1840	1	RMS	1837.998	-47.11	-13	Pass	840
1840	1920	1	RMS	1850.783	23.25	60	Pass	691
1920	3000	1	RMS	2752.771	-49.29	-13	Pass	1080
3000	12000	1	RMS	11926.992	-37.02	-13	Pass	9000
12000	20000	1	RMS	19946.993	-32.9	-13	Pass	8000



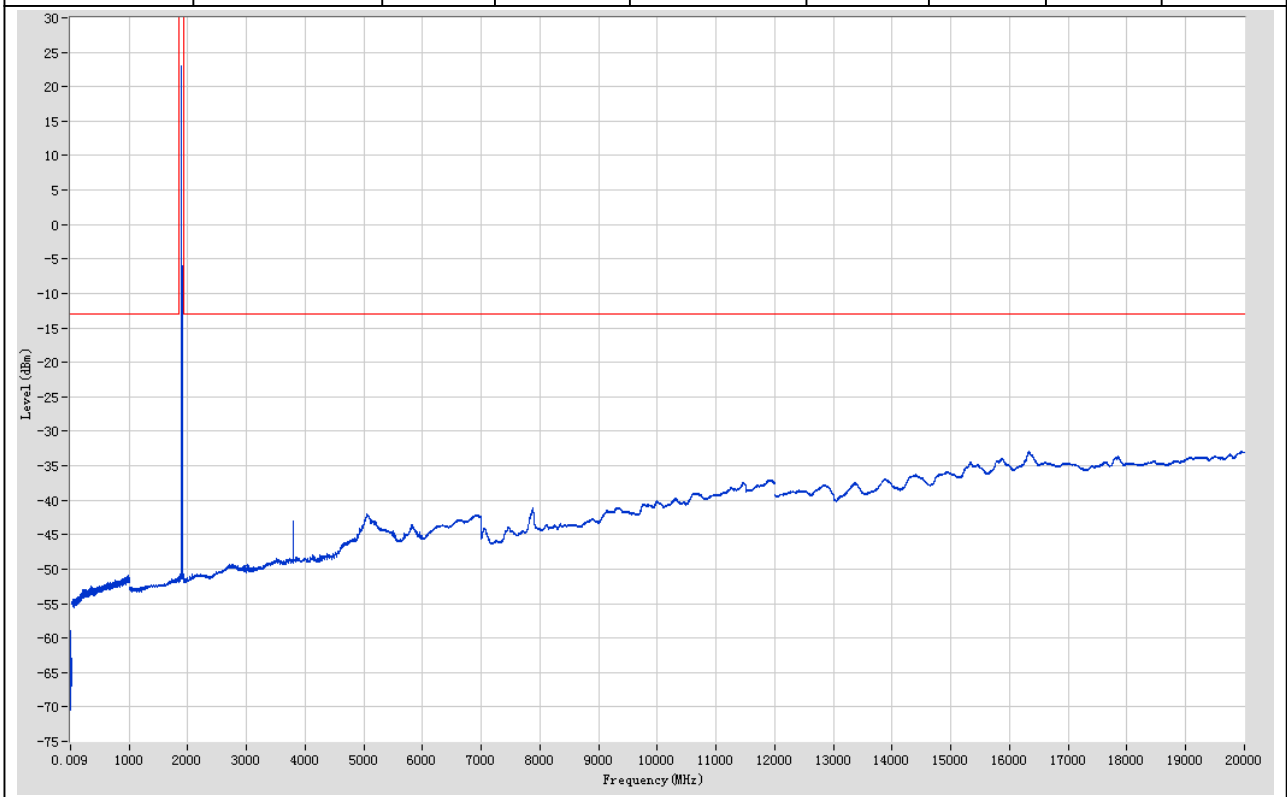
LTE Band 2 QPSK 15 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.5	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.6	-13	Pass	2985
30	1000	0.1	RMS	972.997	-50.96	-13	Pass	9700
1000	1840	1	RMS	1828.987	-51.21	-13	Pass	840
1840	1920	1	RMS	1873.275	23.38	60	Pass	691
1920	3000	1	RMS	2753.772	-49.29	-13	Pass	1080
3000	12000	1	RMS	11911.99	-37.08	-13	Pass	9000
12000	20000	1	RMS	19948.994	-32.86	-13	Pass	8000



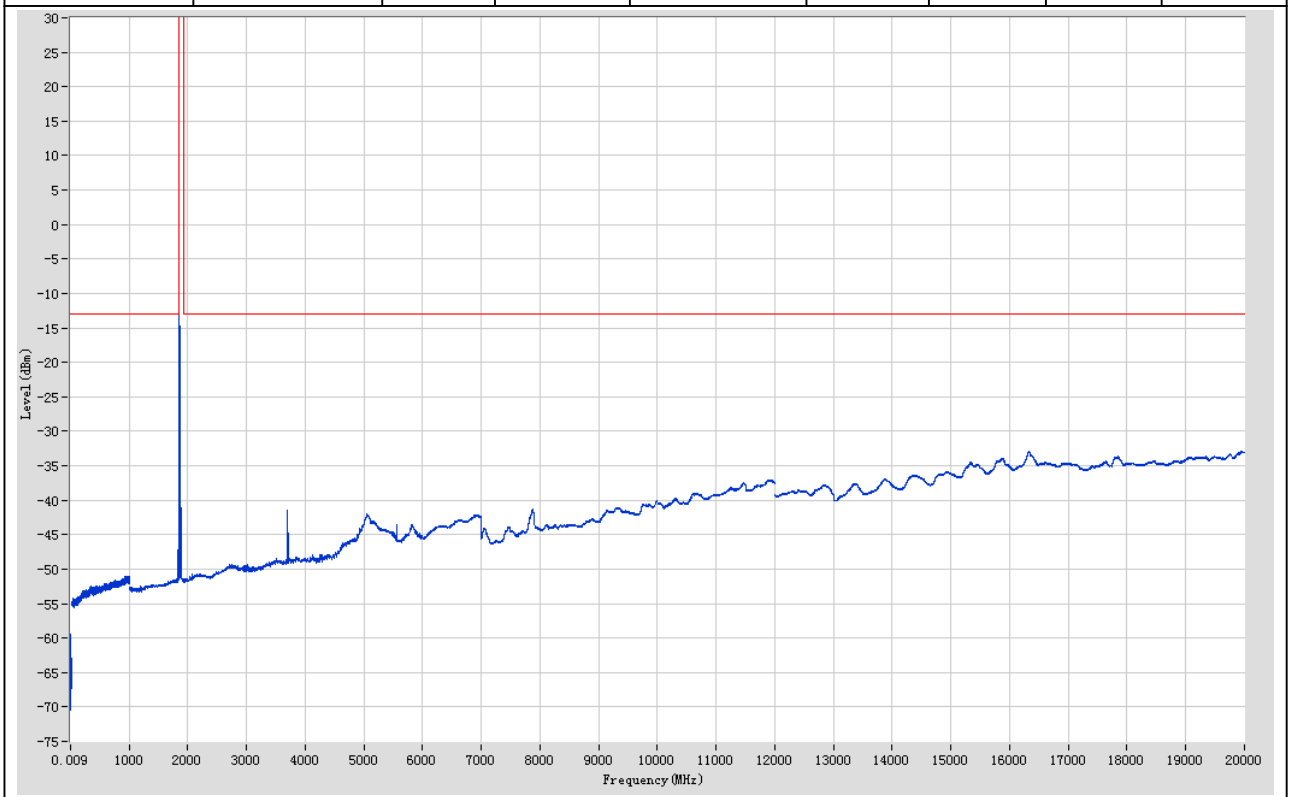
LTE Band 2 QPSK 15 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.41	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.91	-13	Pass	2985
30	1000	0.1	RMS	975.397	-50.94	-13	Pass	9700
1000	1840	1	RMS	1829.988	-51.27	-13	Pass	840
1840	1920	1	RMS	1895.884	23.09	60	Pass	691
1920	3000	1	RMS	2752.771	-49.25	-13	Pass	1080
3000	12000	1	RMS	11929.992	-37.05	-13	Pass	9000
12000	20000	1	RMS	16322.54	-32.88	-13	Pass	8000



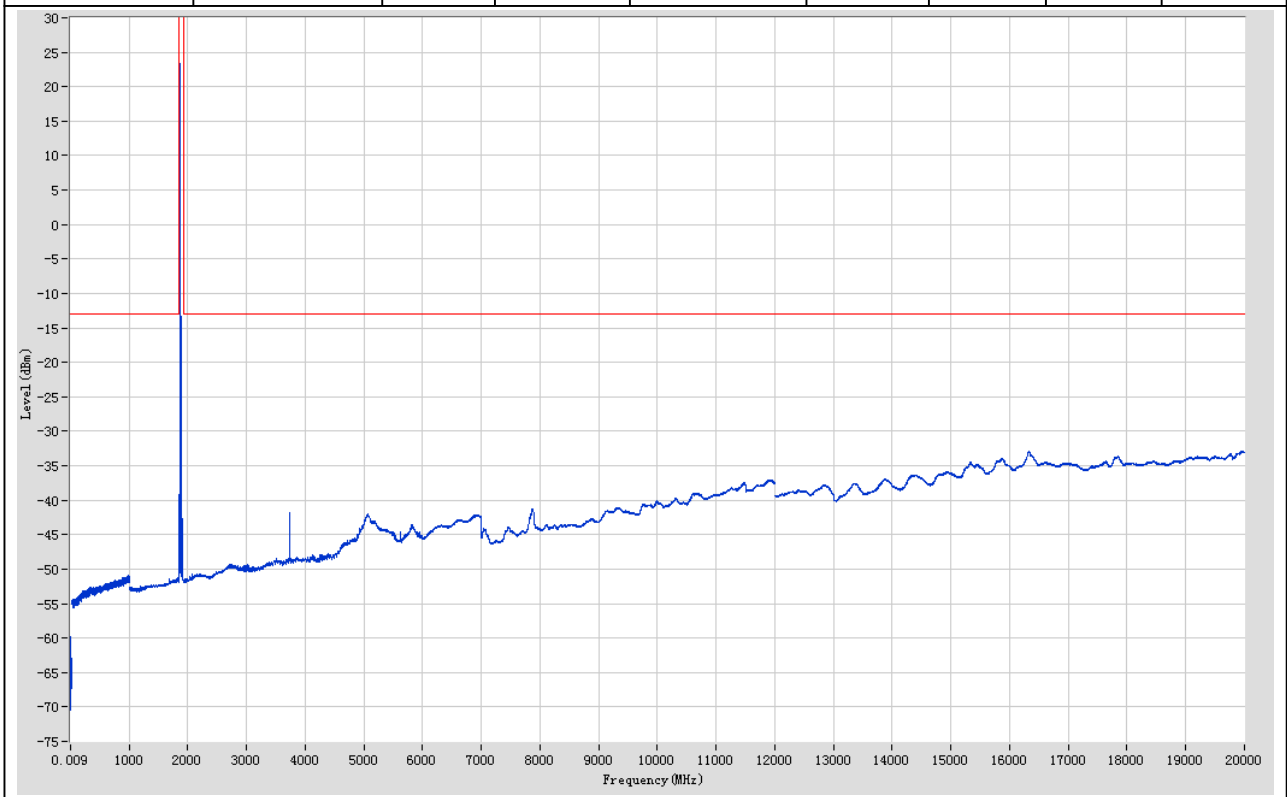
LTE Band 2 QPSK 20 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.47	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.51	-13	Pass	2985
30	1000	0.1	RMS	929.993	-51.07	-13	Pass	9700
1000	1840	1	RMS	1833.993	-47.29	-13	Pass	840
1840	1920	1	RMS	1851.014	23.34	60	Pass	691
1920	3000	1	RMS	2756.775	-49.28	-13	Pass	1080
3000	12000	1	RMS	11945.994	-37.09	-13	Pass	9000
12000	20000	1	RMS	19950.994	-32.9	-13	Pass	8000



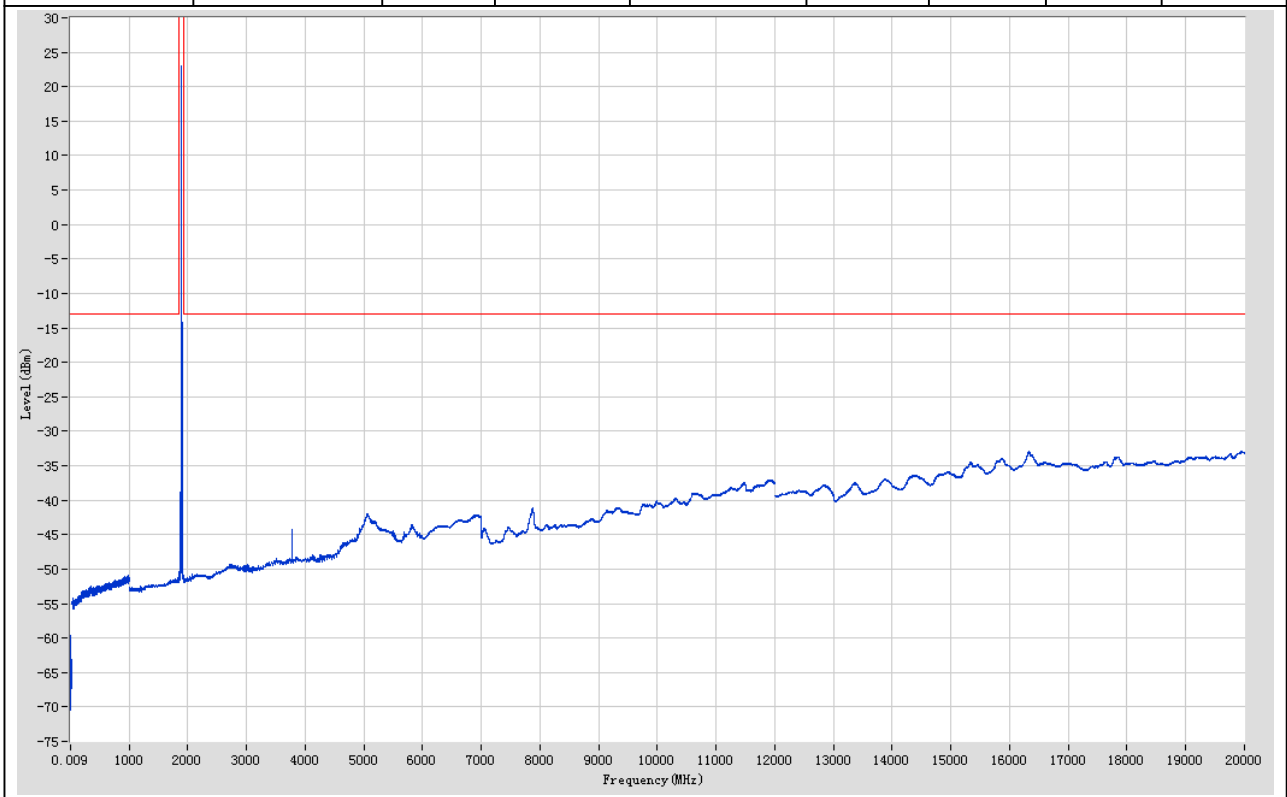
LTE Band 2 QPSK 20 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.47	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.86	-13	Pass	2985
30	1000	0.1	RMS	978.798	-50.88	-13	Pass	9700
1000	1840	1	RMS	1835.995	-51.16	-13	Pass	840
1840	1920	1	RMS	1871.072	23.4	60	Pass	691
1920	3000	1	RMS	2757.776	-49.28	-13	Pass	1080
3000	12000	1	RMS	11928.992	-37.06	-13	Pass	9000
12000	20000	1	RMS	19945.993	-32.92	-13	Pass	8000



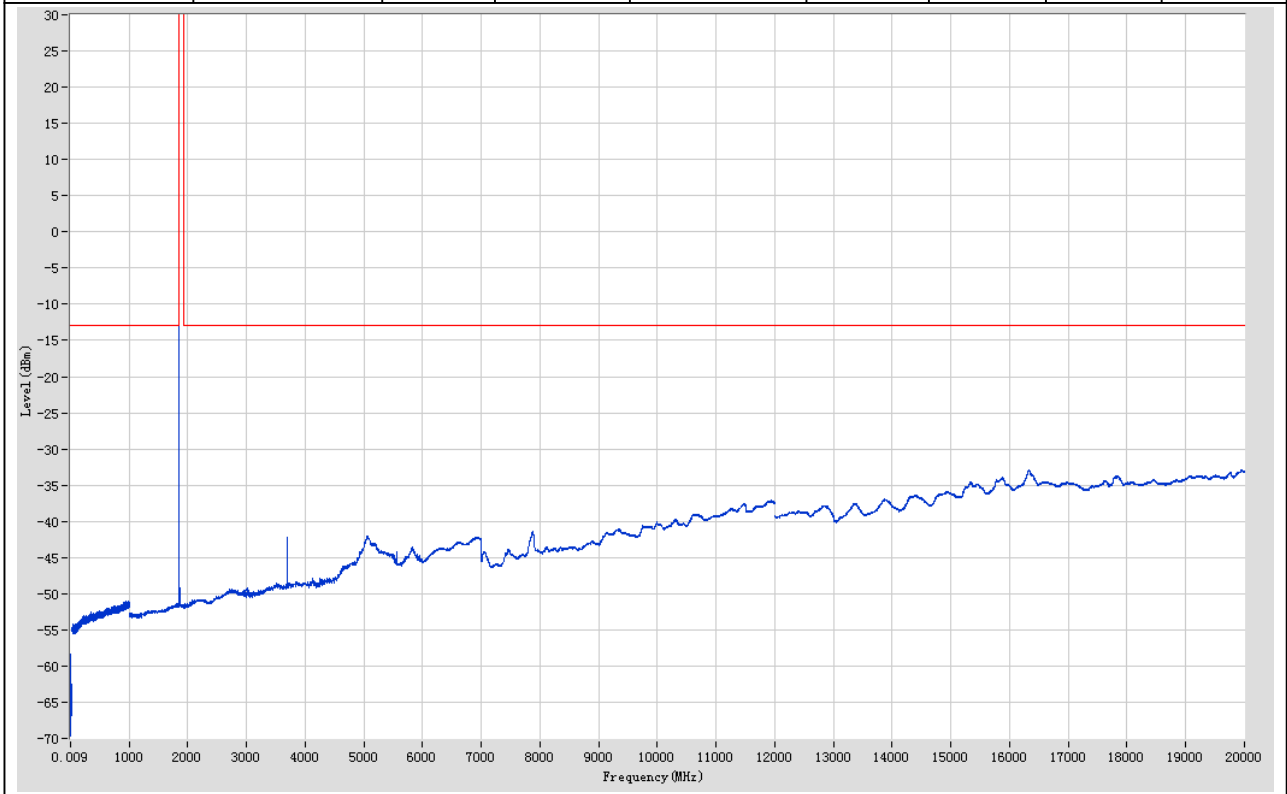
LTE Band 2 QPSK 20 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.45	-13	Pass	691
0.15	30	0.01	RMS	0.16	-59.71	-13	Pass	2985
30	1000	0.1	RMS	976.498	-50.95	-13	Pass	9700
1000	1840	1	RMS	1828.987	-51.29	-13	Pass	840
1840	1920	1	RMS	1891.13	23.09	60	Pass	691
1920	3000	1	RMS	2714.736	-49.27	-13	Pass	1080
3000	12000	1	RMS	11931.992	-37.07	-13	Pass	9000
12000	20000	1	RMS	19946.993	-32.91	-13	Pass	8000



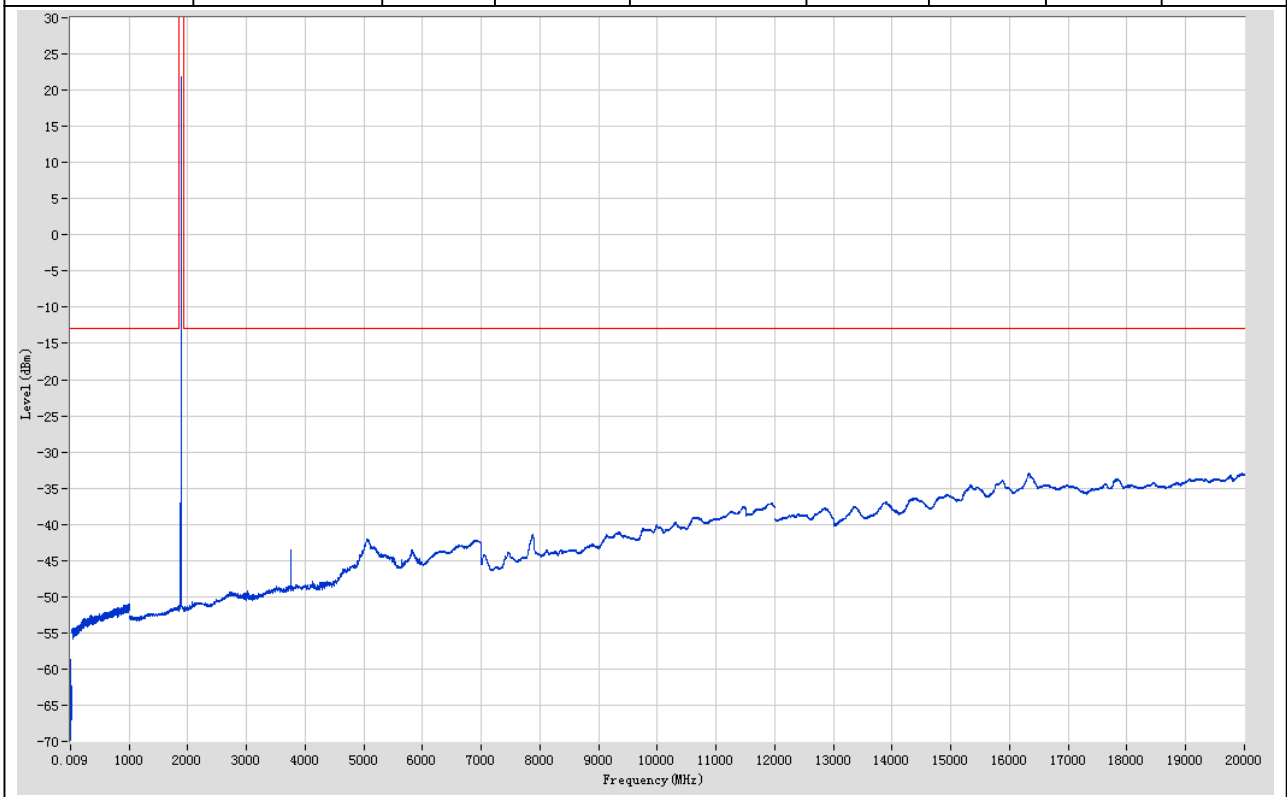
LTE Band 2 16-QAM 1.4 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.011	-62.42	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.28	-13	Pass	2985
30	1000	0.1	RMS	933.593	-51	-13	Pass	9700
1000	1840	1	RMS	1829.988	-51.31	-13	Pass	840
1840	1920	1	RMS	1850.203	21.94	60	Pass	691
1920	3000	1	RMS	2752.771	-49.31	-13	Pass	1080
3000	12000	1	RMS	11946.994	-37.13	-13	Pass	9000
12000	20000	1	RMS	19944.993	-32.94	-13	Pass	8000



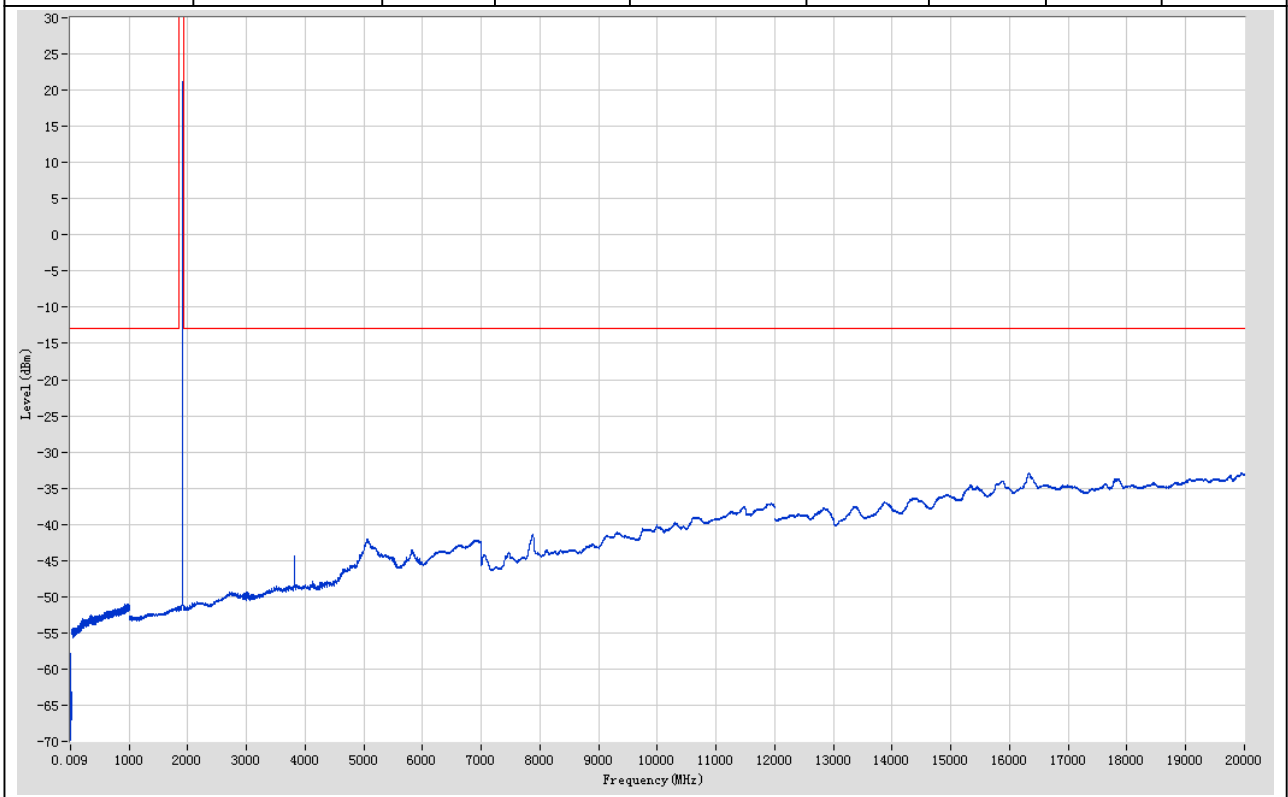
LTE Band 2 Q16-QAM 1.4 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-62.57	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.63	-13	Pass	2985
30	1000	0.1	RMS	977.398	-51.06	-13	Pass	9700
1000	1840	1	RMS	1827.986	-51.3	-13	Pass	840
1840	1920	1	RMS	1879.536	21.86	60	Pass	691
1920	3000	1	RMS	2712.734	-49.34	-13	Pass	1080
3000	12000	1	RMS	11949.994	-37.09	-13	Pass	9000
12000	20000	1	RMS	16326.541	-32.89	-13	Pass	8000



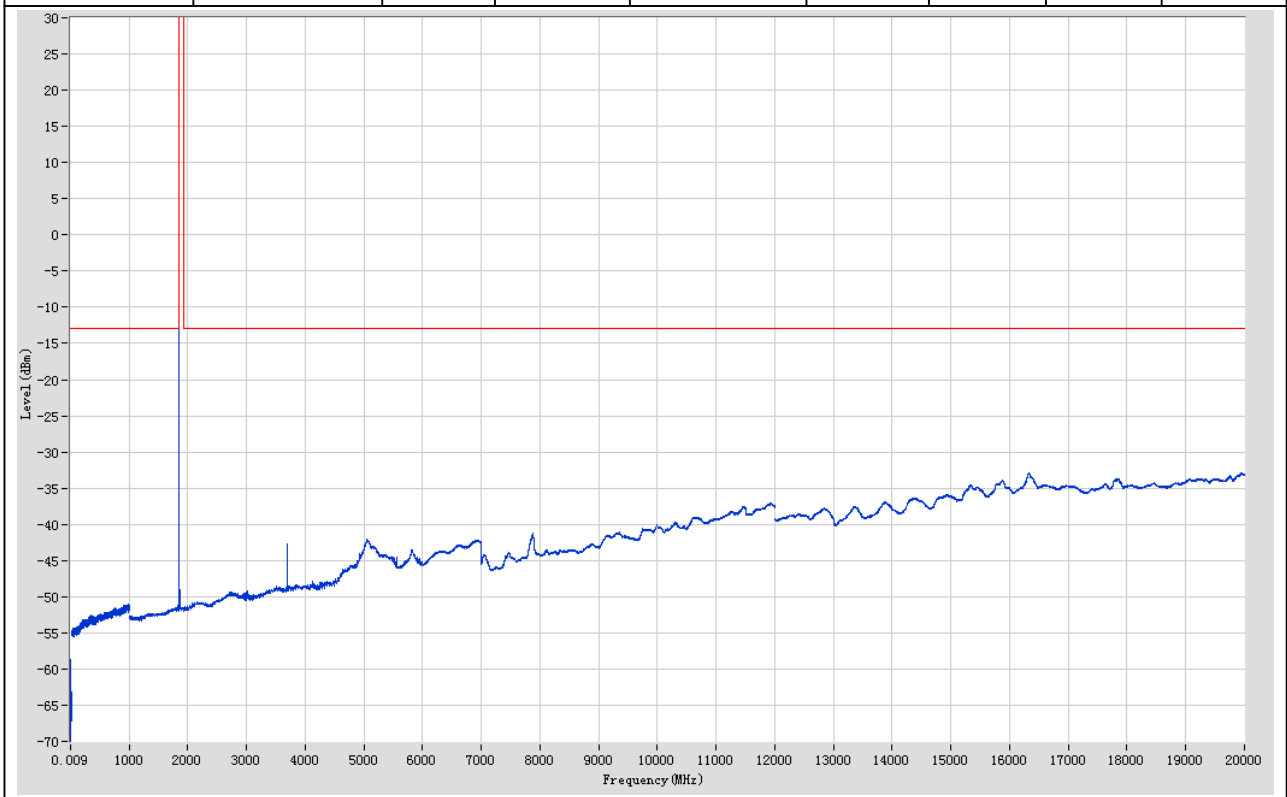
LTE Band 2 16-QAM 1.4 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-62.91	-13	Pass	691
0.15	30	0.01	RMS	0.15	-57.93	-13	Pass	2985
30	1000	0.1	RMS	976.698	-51.02	-13	Pass	9700
1000	1840	1	RMS	1829.988	-51.31	-13	Pass	840
1840	1920	1	RMS	1908.87	21.18	60	Pass	691
1920	3000	1	RMS	2755.774	-49.33	-13	Pass	1080
3000	12000	1	RMS	11946.994	-37.08	-13	Pass	9000
12000	20000	1	RMS	16319.54	-32.92	-13	Pass	8000



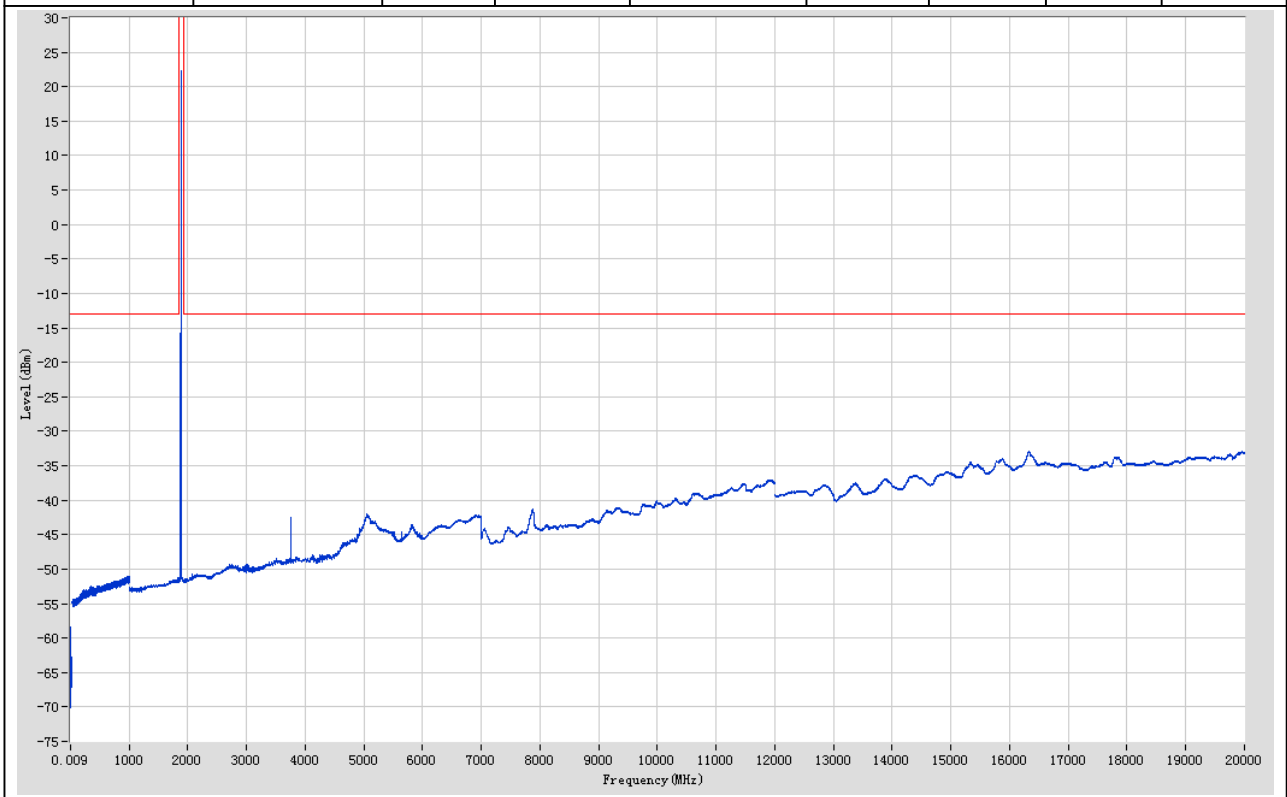
LTE Band 2 16-QAM 3 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-63.19	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.69	-13	Pass	2985
30	1000	0.1	RMS	976.498	-51.03	-13	Pass	9700
1000	1840	1	RMS	1829.988	-51.27	-13	Pass	840
1840	1920	1	RMS	1850.203	21.79	60	Pass	691
1920	3000	1	RMS	2752.771	-49.31	-13	Pass	1080
3000	12000	1	RMS	11919.991	-37.1	-13	Pass	9000
12000	20000	1	RMS	19949.994	-32.89	-13	Pass	8000



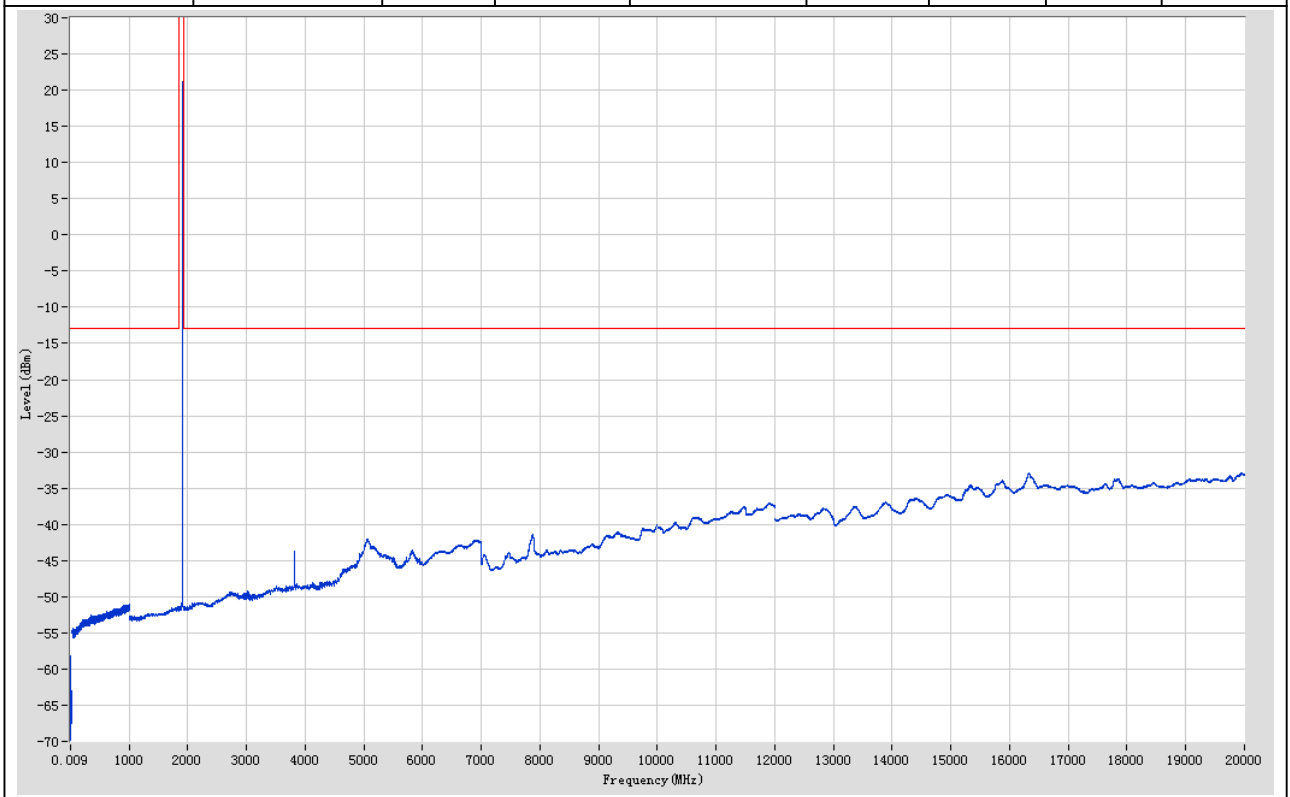
LTE Band 2 16-QAM 3 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-63.52	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.43	-13	Pass	2985
30	1000	0.1	RMS	954.695	-51.02	-13	Pass	9700
1000	1840	1	RMS	1826.985	-51.28	-13	Pass	840
1840	1920	1	RMS	1878.725	22.3	60	Pass	691
1920	3000	1	RMS	2755.774	-49.31	-13	Pass	1080
3000	12000	1	RMS	11907.99	-37.1	-13	Pass	9000
12000	20000	1	RMS	19950.994	-32.93	-13	Pass	8000



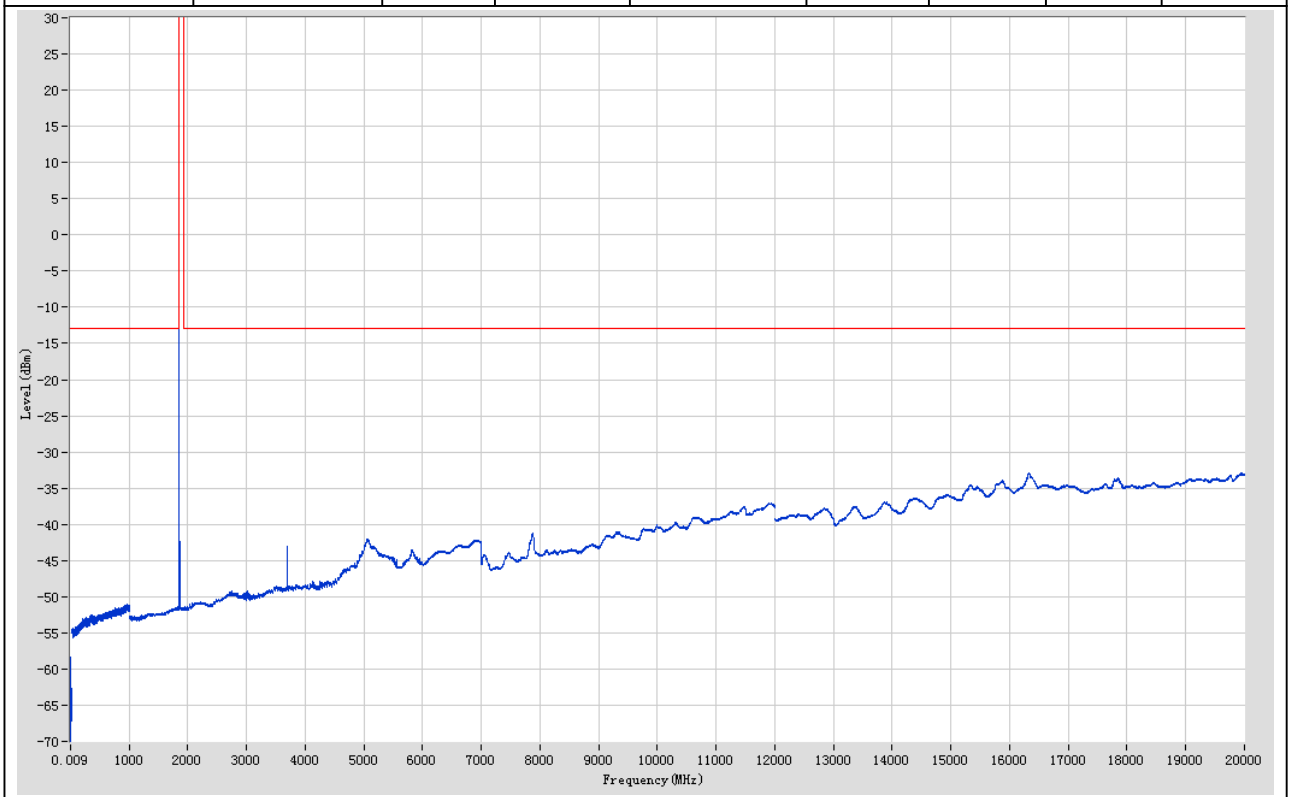
LTE Band 2 16-QAM 3 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-62.91	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.24	-13	Pass	2985
30	1000	0.1	RMS	998.9	-51.11	-13	Pass	9700
1000	1840	1	RMS	1829.988	-51.31	-13	Pass	840
1840	1920	1	RMS	1907.246	21.24	60	Pass	691
1920	3000	1	RMS	2754.773	-49.33	-13	Pass	1080
3000	12000	1	RMS	11919.991	-37.13	-13	Pass	9000
12000	20000	1	RMS	16325.541	-32.97	-13	Pass	8000



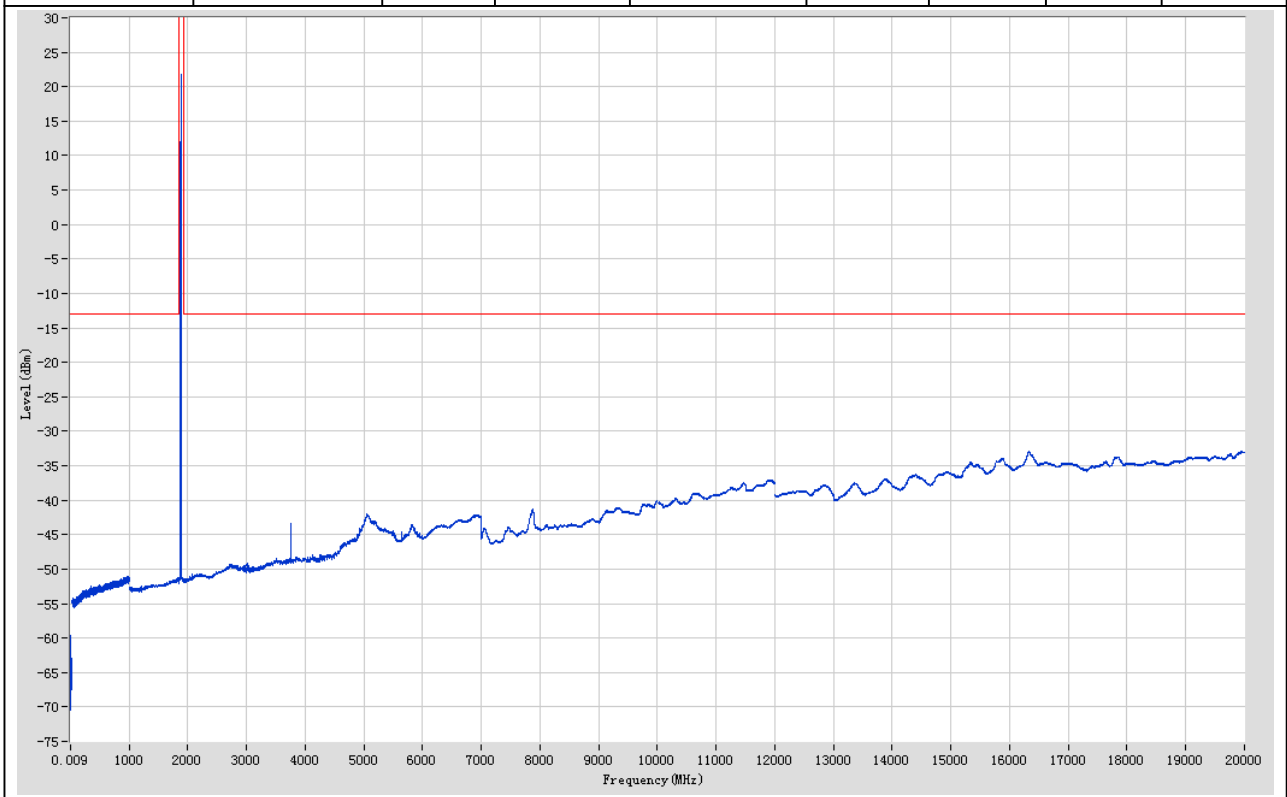
LTE Band 2 16-QAM 5 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-63.16	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.39	-13	Pass	2985
30	1000	0.1	RMS	971.897	-51.07	-13	Pass	9700
1000	1840	1	RMS	1829.988	-51.29	-13	Pass	840
1840	1920	1	RMS	1850.319	21.4	60	Pass	691
1920	3000	1	RMS	2755.774	-49.27	-13	Pass	1080
3000	12000	1	RMS	11906.99	-37.11	-13	Pass	9000
12000	20000	1	RMS	16319.54	-32.91	-13	Pass	8000



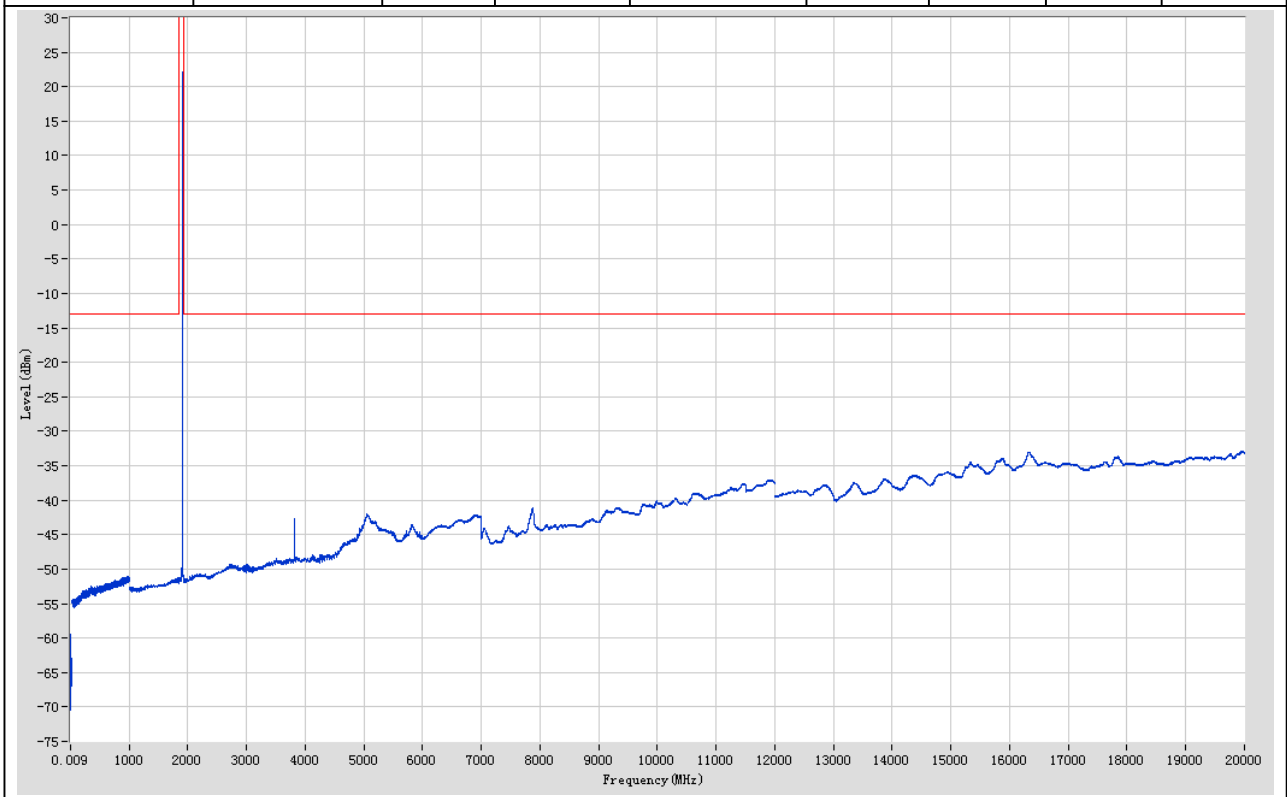
LTE Band 2 16-QAM 5 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.36	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.69	-13	Pass	2985
30	1000	0.1	RMS	979.798	-51	-13	Pass	9700
1000	1840	1	RMS	1827.986	-51.23	-13	Pass	840
1840	1920	1	RMS	1877.797	21.71	60	Pass	691
1920	3000	1	RMS	2756.775	-49.29	-13	Pass	1080
3000	12000	1	RMS	11937.993	-37.07	-13	Pass	9000
12000	20000	1	RMS	19949.994	-32.87	-13	Pass	8000



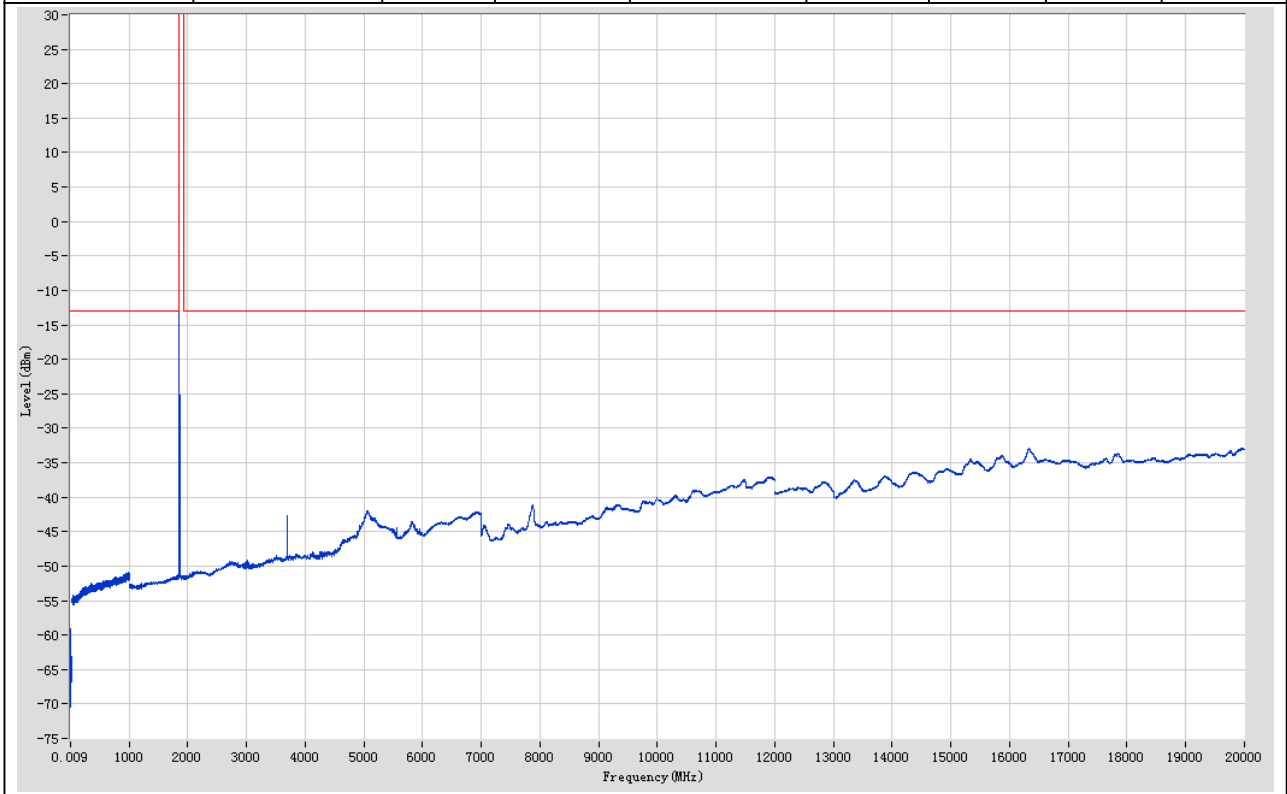
LTE Band 2 16-QAM 5 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.33	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.51	-13	Pass	2985
30	1000	0.1	RMS	976.598	-51.11	-13	Pass	9700
1000	1840	1	RMS	1828.987	-51.31	-13	Pass	840
1840	1920	1	RMS	1905.391	22.18	60	Pass	691
1920	3000	1	RMS	2753.772	-49.26	-13	Pass	1080
3000	12000	1	RMS	11894.988	-37.1	-13	Pass	9000
12000	20000	1	RMS	19961.995	-32.91	-13	Pass	8000



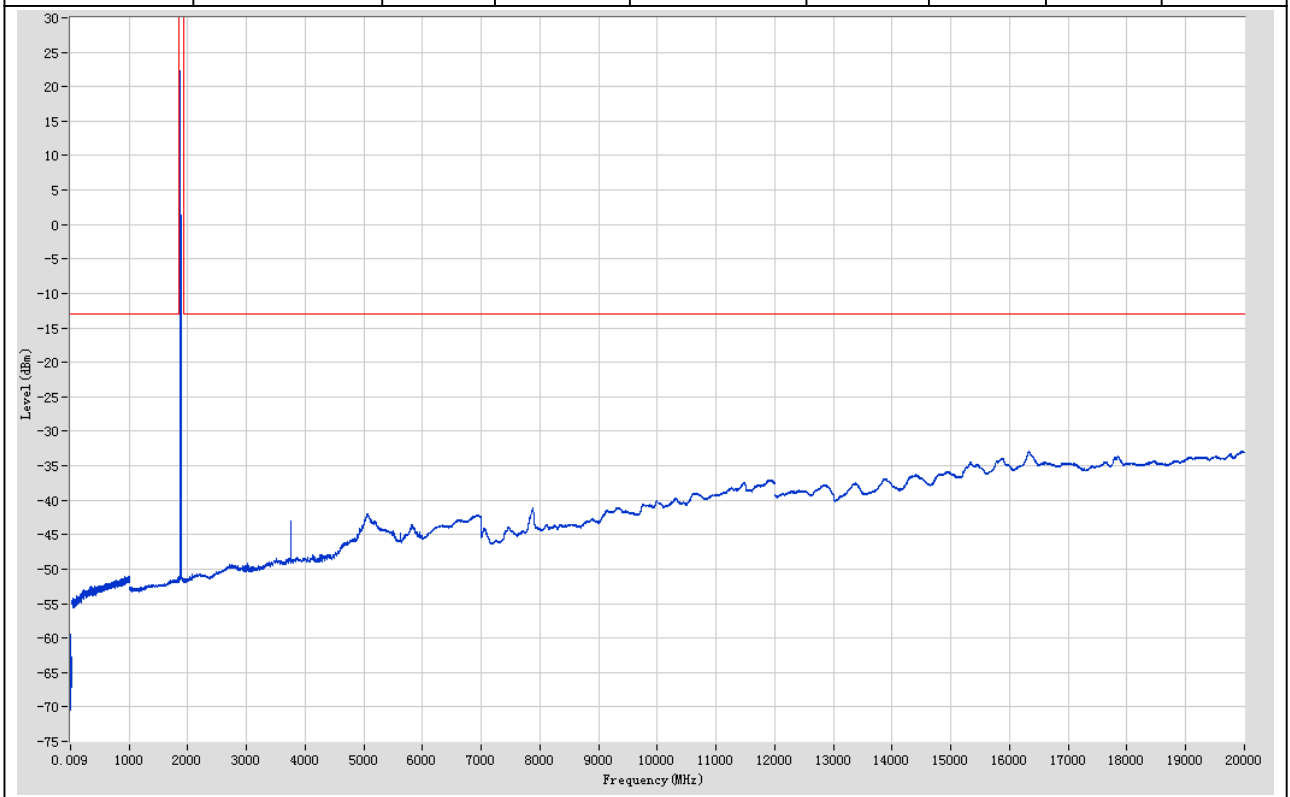
LTE Band 2 16-QAM 10 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.41	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.11	-13	Pass	2985
30	1000	0.1	RMS	975.998	-50.96	-13	Pass	9700
1000	1840	1	RMS	1828.987	-51.2	-13	Pass	840
1840	1920	1	RMS	1850.551	21.85	60	Pass	691
1920	3000	1	RMS	2752.771	-49.28	-13	Pass	1080
3000	12000	1	RMS	11910.99	-37.06	-13	Pass	9000
12000	20000	1	RMS	16323.54	-32.9	-13	Pass	8000



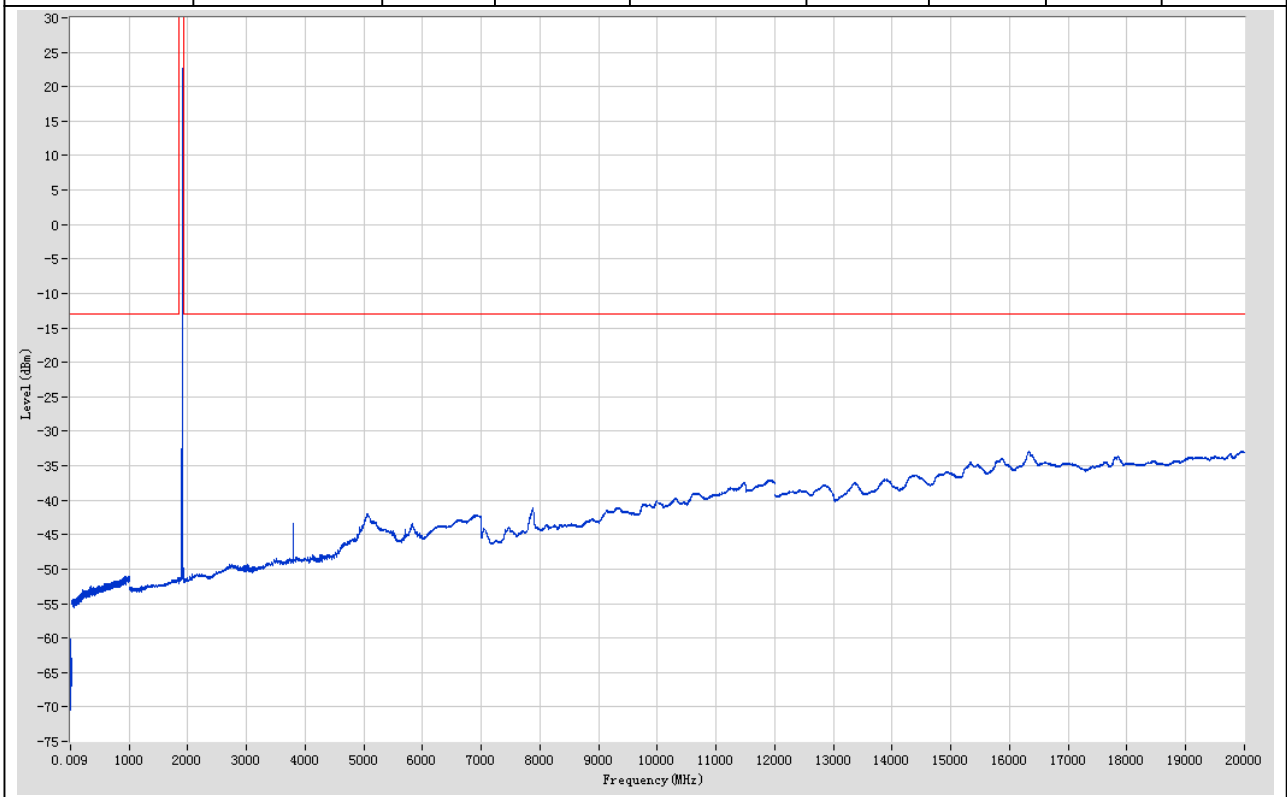
LTE Band 2 16-QAM 10 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.4	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.5	-13	Pass	2985
30	1000	0.1	RMS	977.798	-51.07	-13	Pass	9700
1000	1840	1	RMS	1830.989	-51.25	-13	Pass	840
1840	1920	1	RMS	1875.594	22.31	60	Pass	691
1920	3000	1	RMS	2711.733	-49.29	-13	Pass	1080
3000	12000	1	RMS	11878.987	-37.08	-13	Pass	9000
12000	20000	1	RMS	16320.54	-32.92	-13	Pass	8000



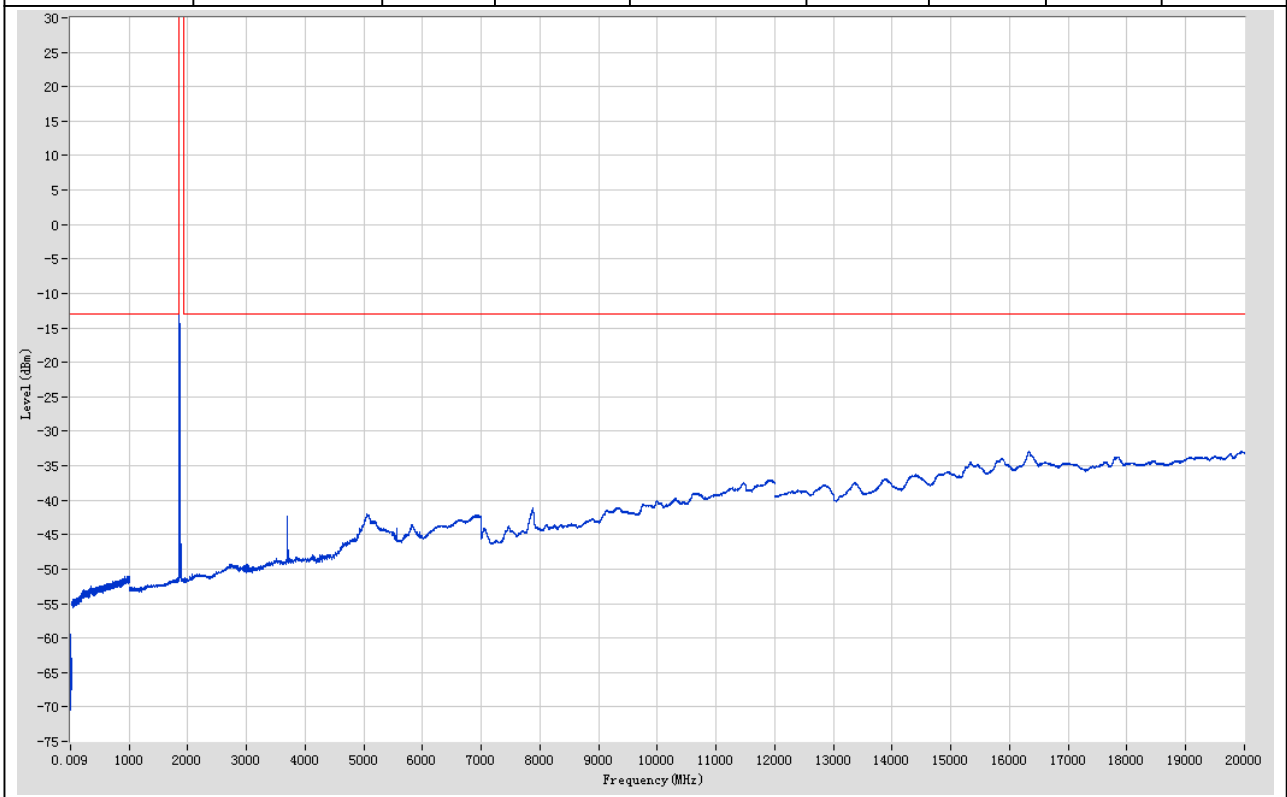
LTE Band 2 16-QAM 10 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.45	-13	Pass	691
0.15	30	0.01	RMS	0.2	-60.1	-13	Pass	2985
30	1000	0.1	RMS	932.093	-51.01	-13	Pass	9700
1000	1840	1	RMS	1829.988	-51.3	-13	Pass	840
1840	1920	1	RMS	1900.638	22.66	60	Pass	691
1920	3000	1	RMS	2752.771	-49.3	-13	Pass	1080
3000	12000	1	RMS	11935.993	-37.06	-13	Pass	9000
12000	20000	1	RMS	19953.994	-32.91	-13	Pass	8000



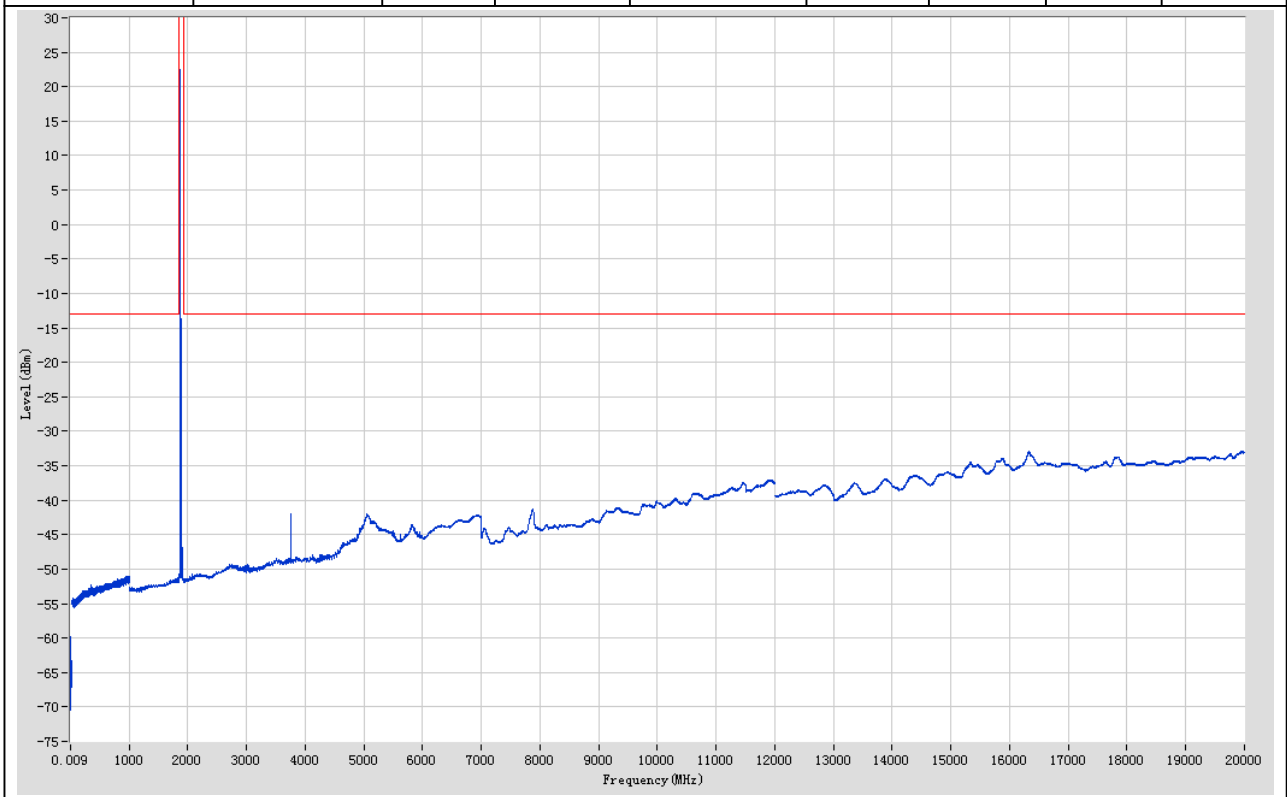
LTE Band 2 16-QAM 15 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.42	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.47	-13	Pass	2985
30	1000	0.1	RMS	970.597	-51	-13	Pass	9700
1000	1840	1	RMS	1837.998	-48.19	-13	Pass	840
1840	1920	1	RMS	1850.783	22.02	60	Pass	691
1920	3000	1	RMS	2755.774	-49.24	-13	Pass	1080
3000	12000	1	RMS	11896.989	-37.1	-13	Pass	9000
12000	20000	1	RMS	19949.994	-32.88	-13	Pass	8000



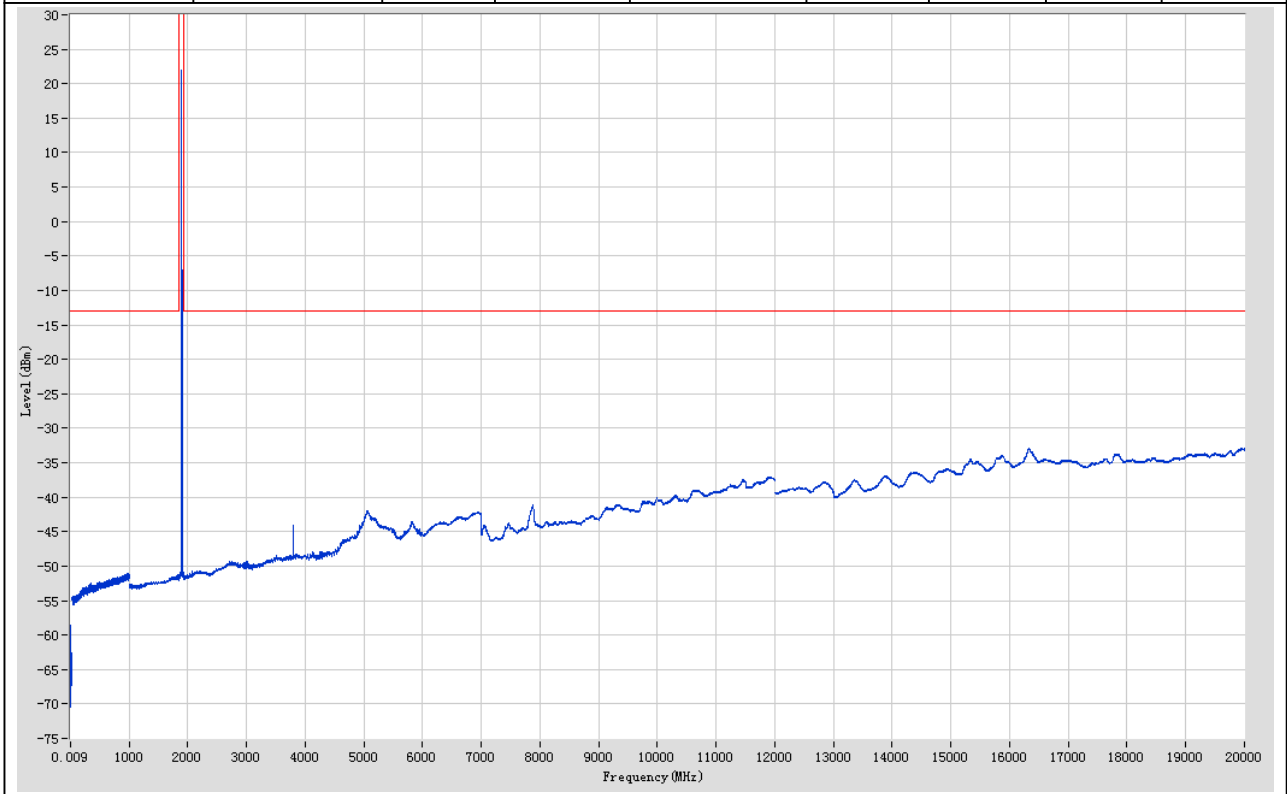
LTE Band 2 16-QAM 15 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.41	-13	Pass	691
0.15	30	0.01	RMS	0.19	-59.85	-13	Pass	2985
30	1000	0.1	RMS	974.097	-51.03	-13	Pass	9700
1000	1840	1	RMS	1828.987	-51.24	-13	Pass	840
1840	1920	1	RMS	1873.391	22.47	60	Pass	691
1920	3000	1	RMS	2754.773	-49.28	-13	Pass	1080
3000	12000	1	RMS	11938.993	-37.1	-13	Pass	9000
12000	20000	1	RMS	19948.994	-32.93	-13	Pass	8000



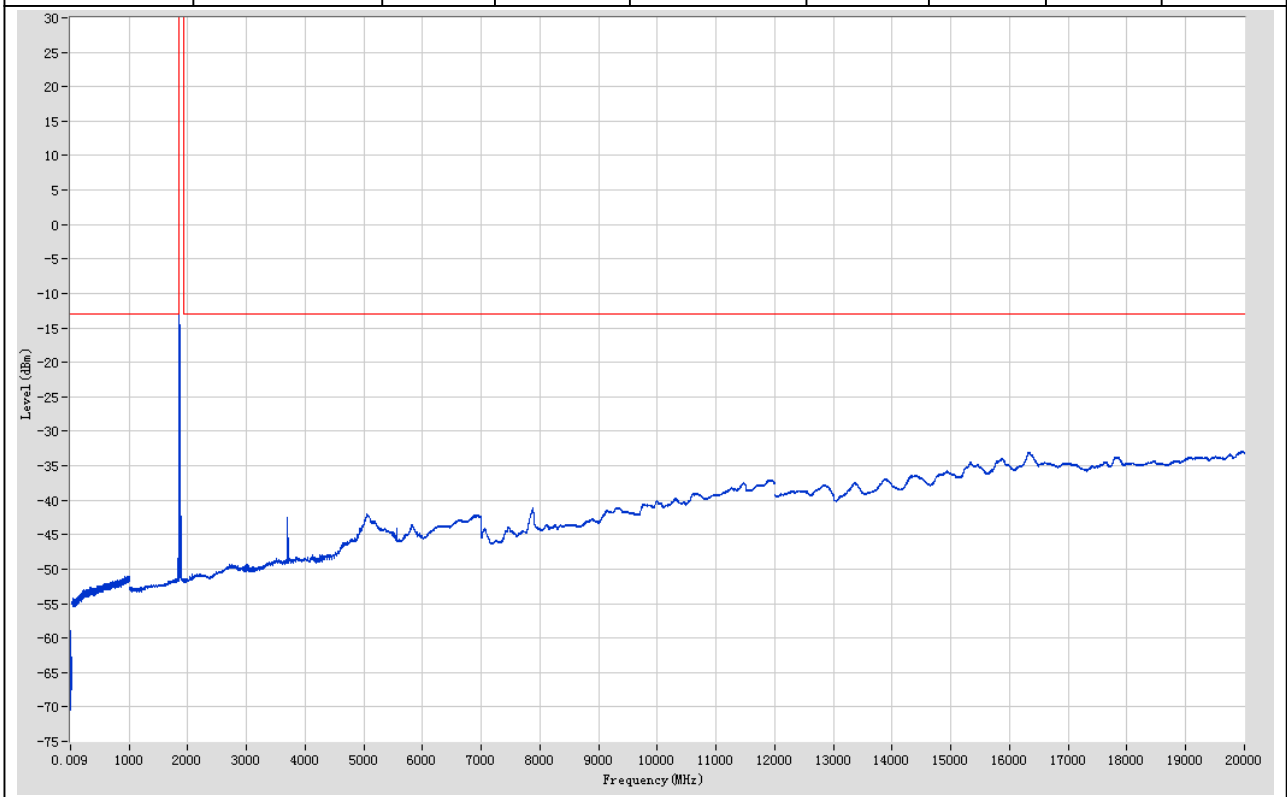
LTE Band 2 16-QAM 15 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.45	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.64	-13	Pass	2985
30	1000	0.1	RMS	972.397	-51.05	-13	Pass	9700
1000	1840	1	RMS	1828.987	-51.29	-13	Pass	840
1840	1920	1	RMS	1895.884	21.97	60	Pass	691
1920	3000	1	RMS	2754.773	-49.28	-13	Pass	1080
3000	12000	1	RMS	11927.992	-37.05	-13	Pass	9000
12000	20000	1	RMS	19948.994	-32.92	-13	Pass	8000



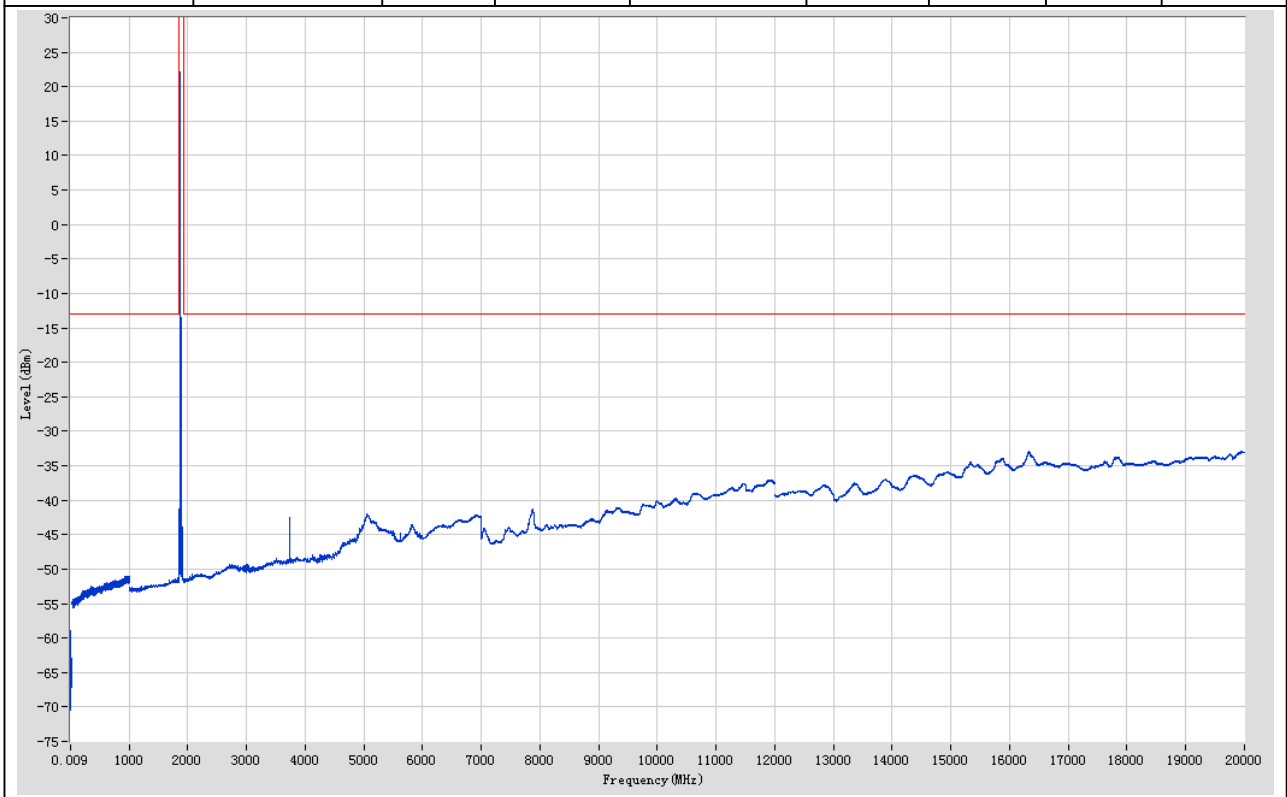
LTE Band 2 16-QAM 20 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.42	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.94	-13	Pass	2985
30	1000	0.1	RMS	977.998	-51.03	-13	Pass	9700
1000	1840	1	RMS	1833.993	-48.39	-13	Pass	840
1840	1920	1	RMS	1851.014	22.39	60	Pass	691
1920	3000	1	RMS	2755.774	-49.27	-13	Pass	1080
3000	12000	1	RMS	11900.989	-37.06	-13	Pass	9000
12000	20000	1	RMS	19950.994	-32.93	-13	Pass	8000



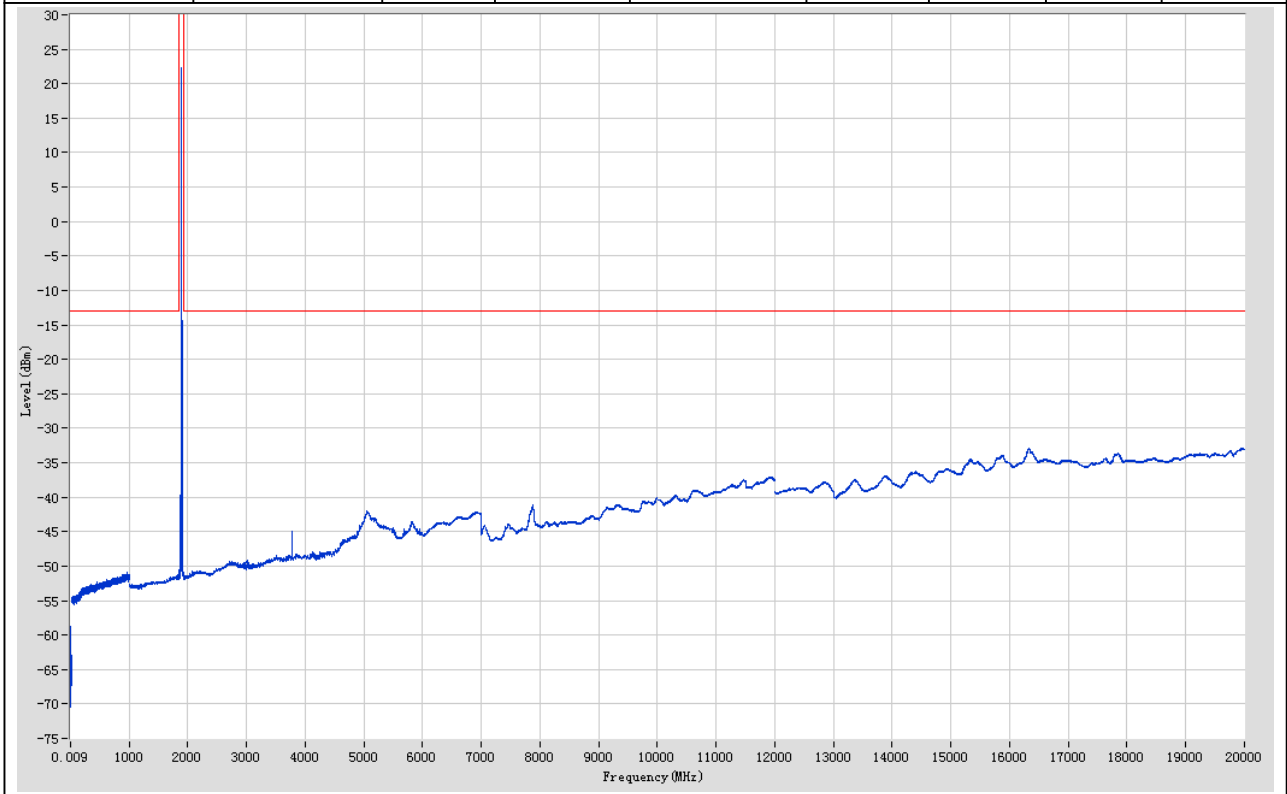
LTE Band 2 16-QAM 20 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.34	-13	Pass	691
0.15	30	0.01	RMS	0.16	-58.86	-13	Pass	2985
30	1000	0.1	RMS	976.198	-51.05	-13	Pass	9700
1000	1840	1	RMS	1826.985	-51.29	-13	Pass	840
1840	1920	1	RMS	1871.072	22.21	60	Pass	691
1920	3000	1	RMS	2756.775	-49.3	-13	Pass	1080
3000	12000	1	RMS	11902.989	-37.07	-13	Pass	9000
12000	20000	1	RMS	16323.54	-32.9	-13	Pass	8000



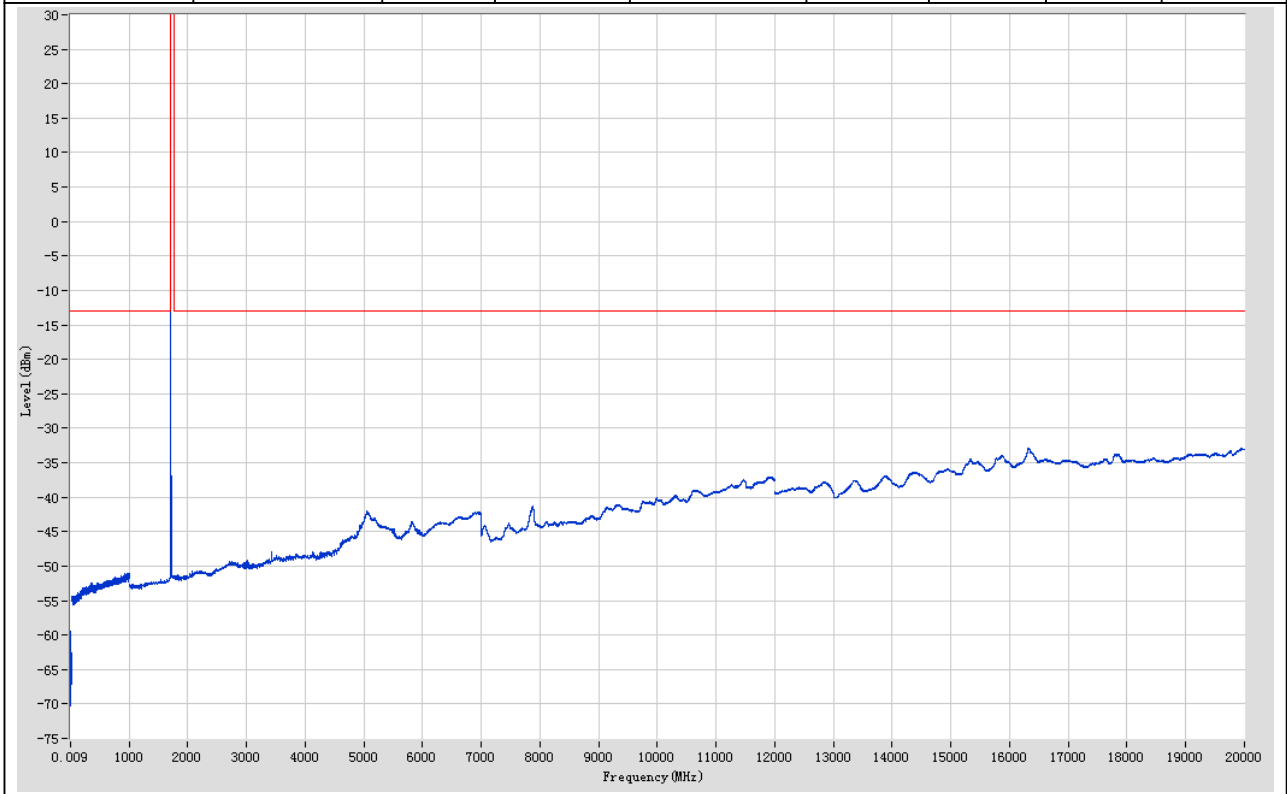
LTE Band 2 16-QAM 20 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.46	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.82	-13	Pass	2985
30	1000	0.1	RMS	968.897	-50.95	-13	Pass	9700
1000	1840	1	RMS	1828.987	-51.31	-13	Pass	840
1840	1920	1	RMS	1891.13	22.37	60	Pass	691
1920	3000	1	RMS	2752.771	-49.26	-13	Pass	1080
3000	12000	1	RMS	11904.989	-37.09	-13	Pass	9000
12000	20000	1	RMS	19946.993	-32.88	-13	Pass	8000



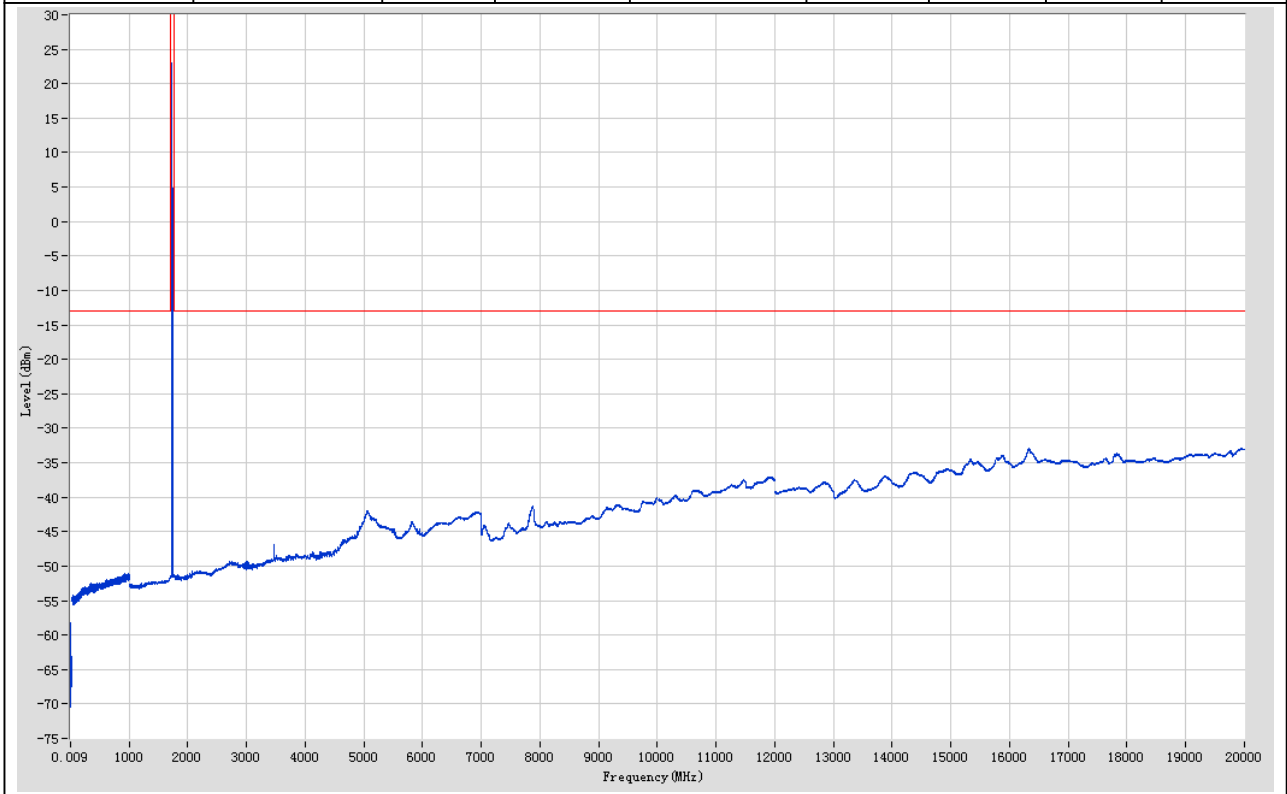
LTE Band 4 QPSK 1.4 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.07	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.37	-13	Pass	2985
30	1000	0.1	RMS	972.997	-51.06	-13	Pass	9700
1000	1700	1	RMS	1698.999	-50.8	-13	Pass	700
1700	1765	1	RMS	1710.174	22.84	60	Pass	691
1765	3000	1	RMS	2753.801	-49.3	-13	Pass	1235
3000	12000	1	RMS	11949.994	-37.12	-13	Pass	9000
12000	20000	1	RMS	19960.995	-32.93	-13	Pass	8000



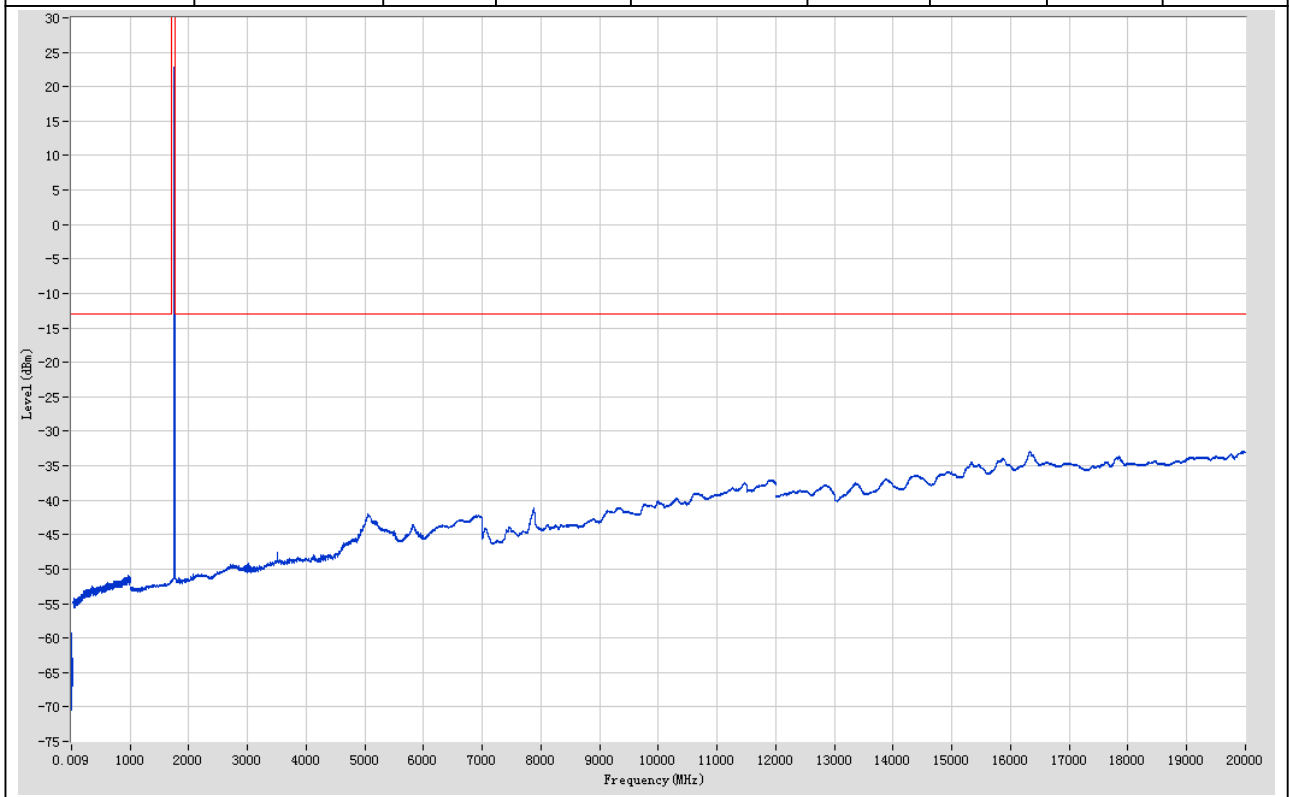
LTE Band 4 QPSK 1.4 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.35	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.3	-13	Pass	2985
30	1000	0.1	RMS	933.193	-51.04	-13	Pass	9700
1000	1700	1	RMS	1694.993	-51.74	-13	Pass	700
1700	1765	1	RMS	1732.029	23.06	60	Pass	691
1765	3000	1	RMS	2755.802	-49.25	-13	Pass	1235
3000	12000	1	RMS	11908.99	-37.11	-13	Pass	9000
12000	20000	1	RMS	16324.541	-32.93	-13	Pass	8000



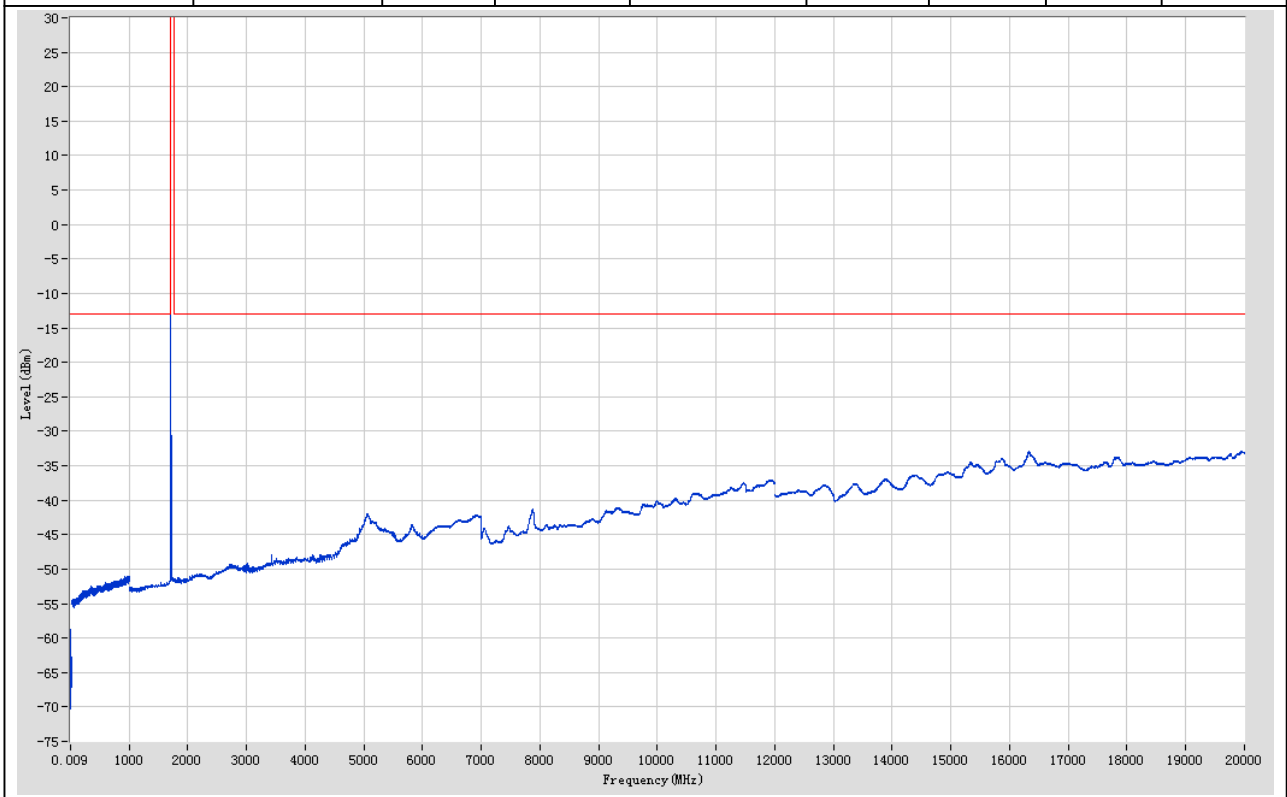
LTE Band 4 QPSK 1.4 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.31	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.21	-13	Pass	2985
30	1000	0.1	RMS	972.897	-50.92	-13	Pass	9700
1000	1700	1	RMS	1694.993	-51.78	-13	Pass	700
1700	1765	1	RMS	1753.884	22.97	60	Pass	691
1765	3000	1	RMS	2754.801	-49.29	-13	Pass	1235
3000	12000	1	RMS	11944.994	-37.08	-13	Pass	9000
12000	20000	1	RMS	16322.54	-32.91	-13	Pass	8000



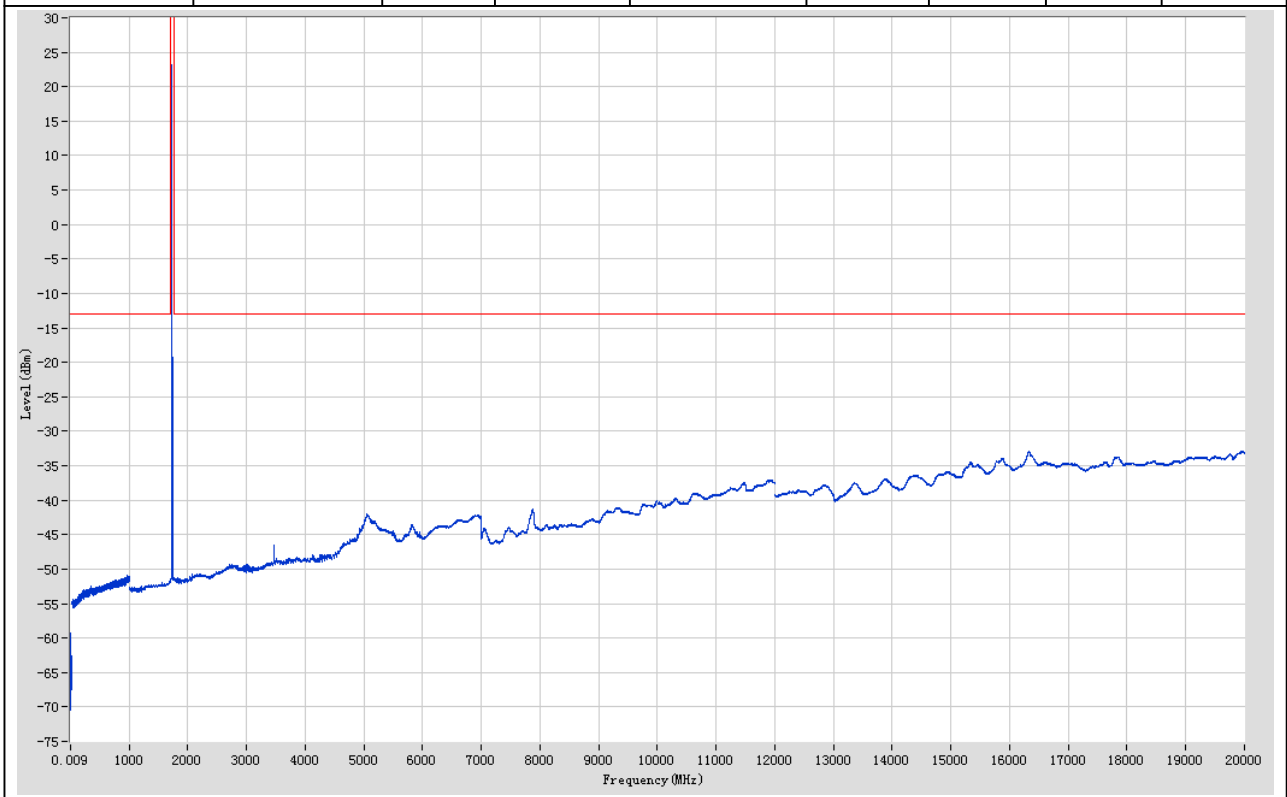
LTE Band 4 QPSK 3 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.34	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.74	-13	Pass	2985
30	1000	0.1	RMS	956.996	-51.01	-13	Pass	9700
1000	1700	1	RMS	1698.999	-50.79	-13	Pass	700
1700	1765	1	RMS	1710.174	22.9	60	Pass	691
1765	3000	1	RMS	2753.801	-49.26	-13	Pass	1235
3000	12000	1	RMS	11911.99	-37.08	-13	Pass	9000
12000	20000	1	RMS	19947.993	-32.91	-13	Pass	8000



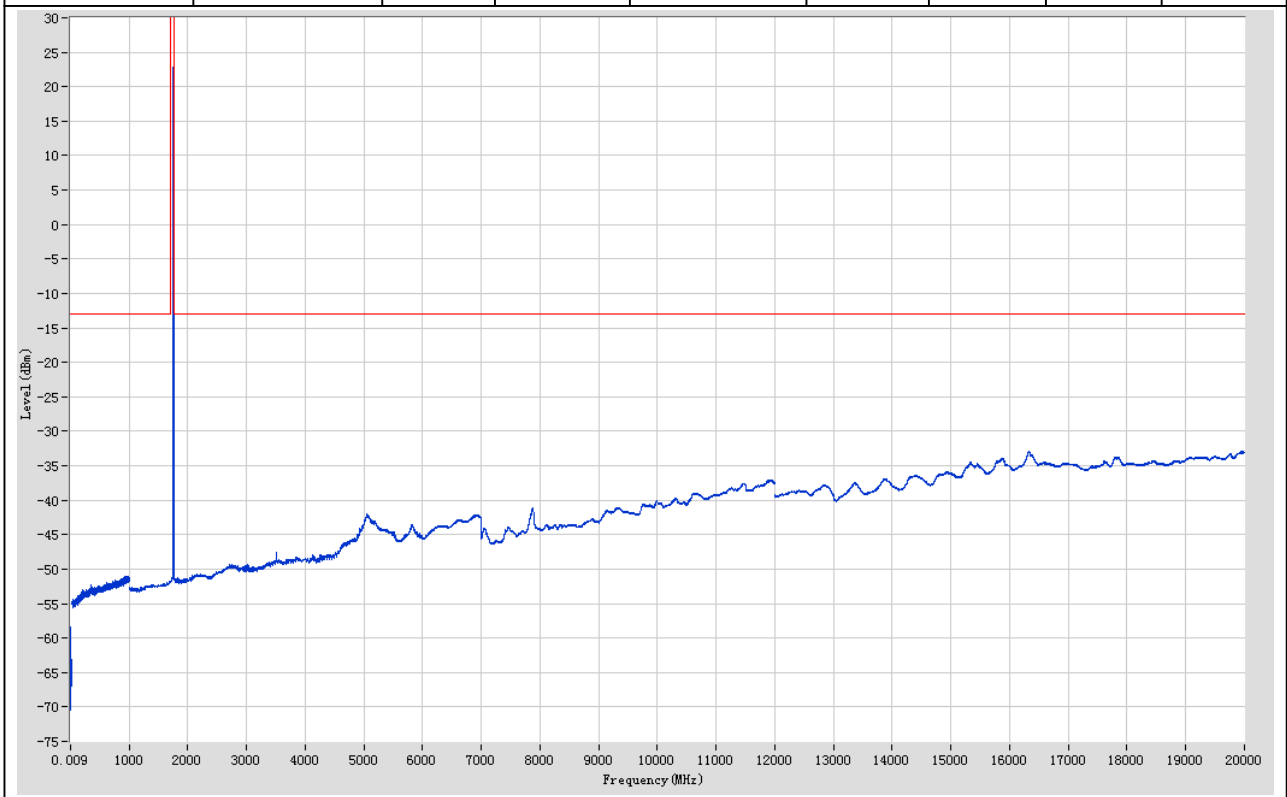
LTE Band 4 QPSK 3 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.45	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.32	-13	Pass	2985
30	1000	0.1	RMS	973.697	-50.97	-13	Pass	9700
1000	1700	1	RMS	1694.993	-51.73	-13	Pass	700
1700	1765	1	RMS	1731.275	23.19	60	Pass	691
1765	3000	1	RMS	2711.767	-49.29	-13	Pass	1235
3000	12000	1	RMS	11920.991	-37.1	-13	Pass	9000
12000	20000	1	RMS	19944.993	-32.9	-13	Pass	8000



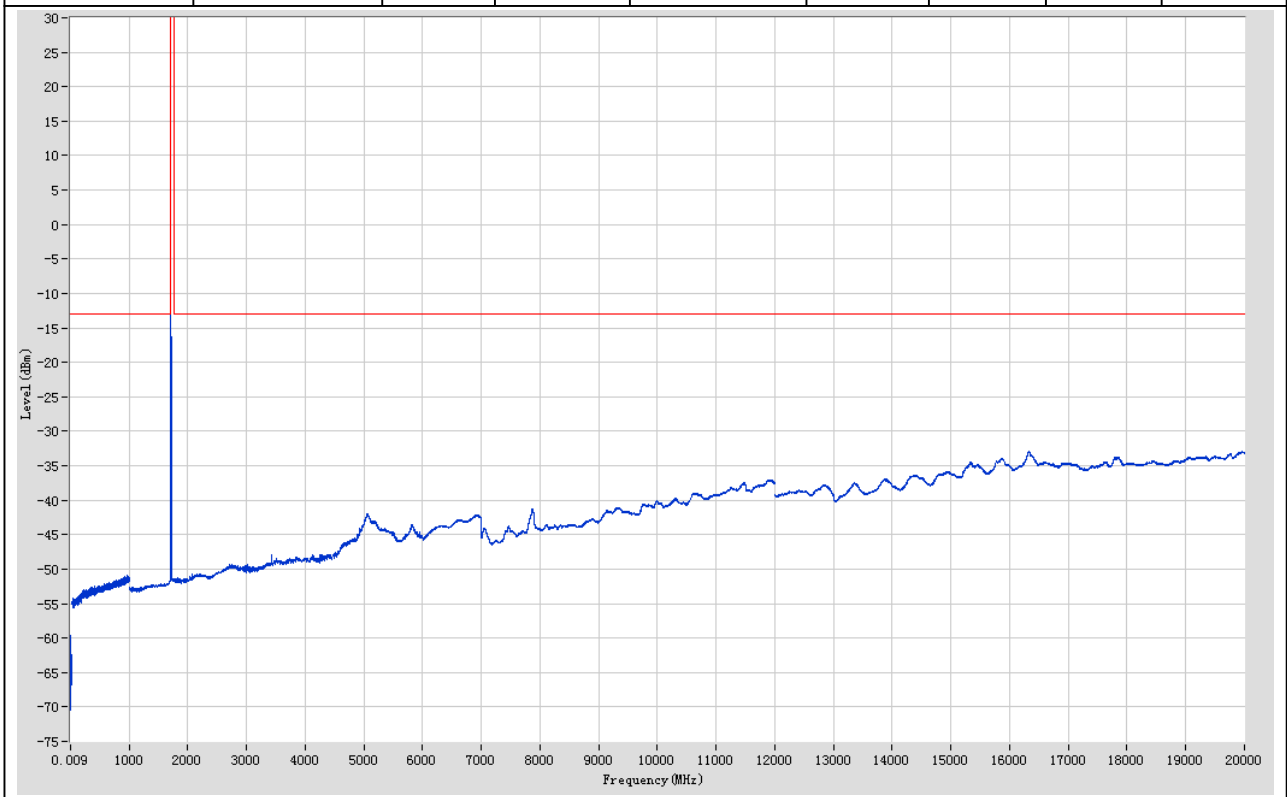
LTE Band 4 QPSK 3 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.47	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.47	-13	Pass	2985
30	1000	0.1	RMS	973.897	-51.04	-13	Pass	9700
1000	1700	1	RMS	1694.993	-51.77	-13	Pass	700
1700	1765	1	RMS	1752.283	22.77	60	Pass	691
1765	3000	1	RMS	2755.802	-49.26	-13	Pass	1235
3000	12000	1	RMS	11945.994	-37.08	-13	Pass	9000
12000	20000	1	RMS	19952.994	-32.88	-13	Pass	8000



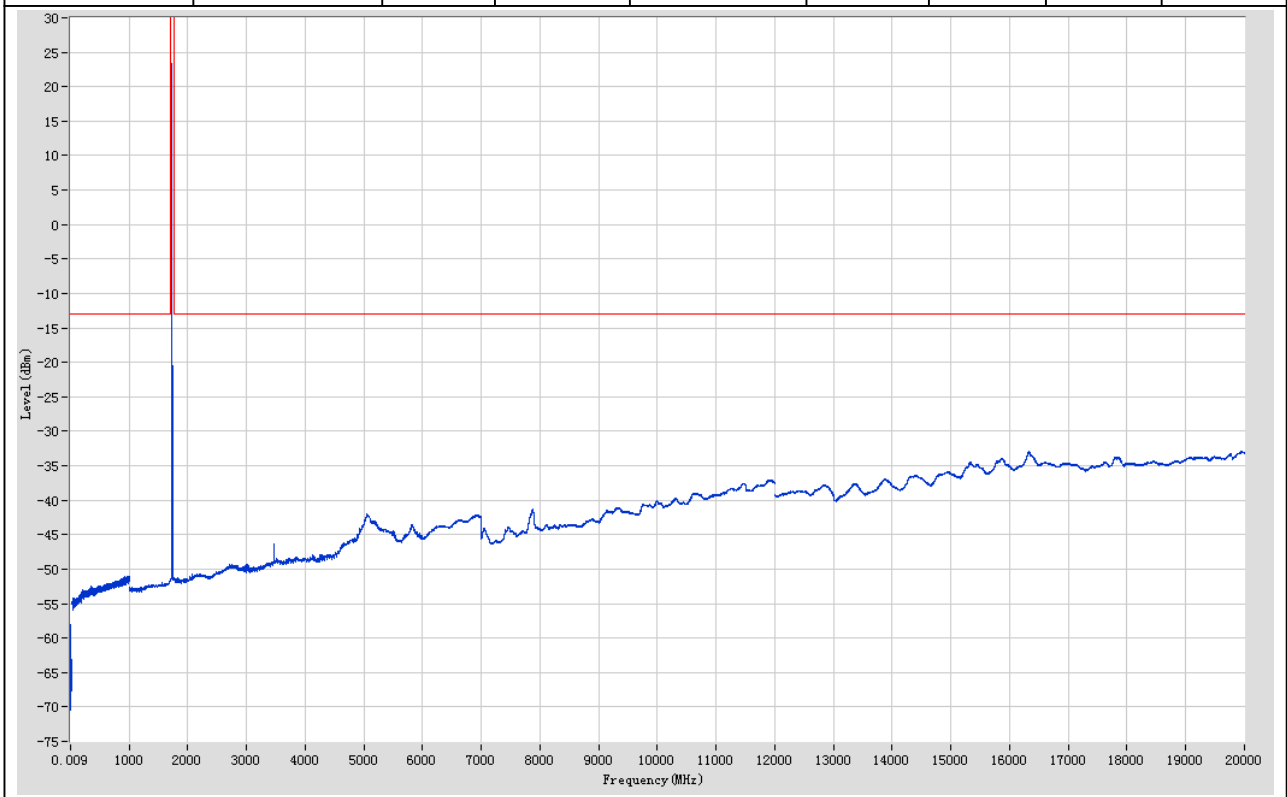
LTE Band 4 QPSK 5 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.44	-13	Pass	691
0.15	30	0.01	RMS	0.16	-59.62	-13	Pass	2985
30	1000	0.1	RMS	974.297	-50.96	-13	Pass	9700
1000	1700	1	RMS	1698.999	-50.79	-13	Pass	700
1700	1765	1	RMS	1710.362	22.61	60	Pass	691
1765	3000	1	RMS	2714.769	-49.28	-13	Pass	1235
3000	12000	1	RMS	11903.989	-37.11	-13	Pass	9000
12000	20000	1	RMS	19948.994	-32.93	-13	Pass	8000



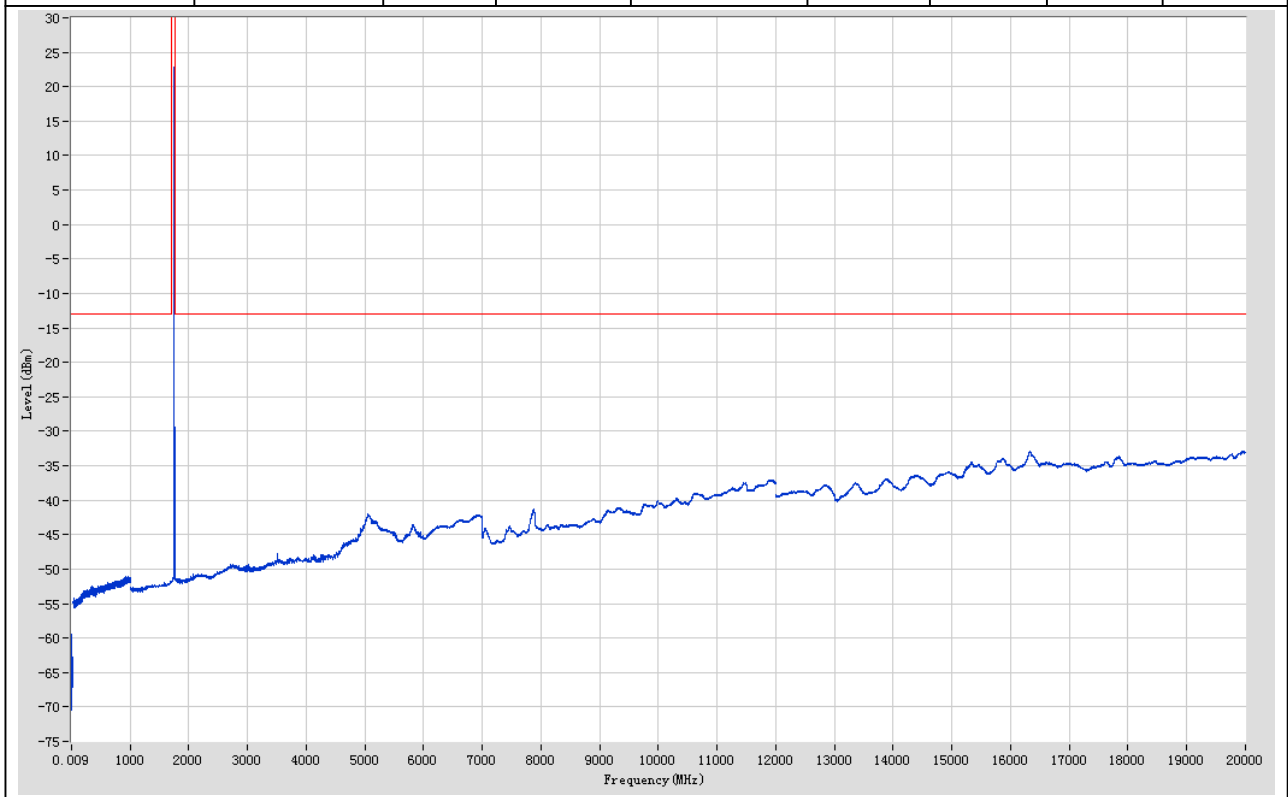
LTE Band 4 QPSK 5 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.44	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.05	-13	Pass	2985
30	1000	0.1	RMS	980.498	-51.01	-13	Pass	9700
1000	1700	1	RMS	1696.996	-51.73	-13	Pass	700
1700	1765	1	RMS	1730.333	23.31	60	Pass	691
1765	3000	1	RMS	2715.77	-49.29	-13	Pass	1235
3000	12000	1	RMS	11904.989	-37.09	-13	Pass	9000
12000	20000	1	RMS	19949.994	-32.93	-13	Pass	8000



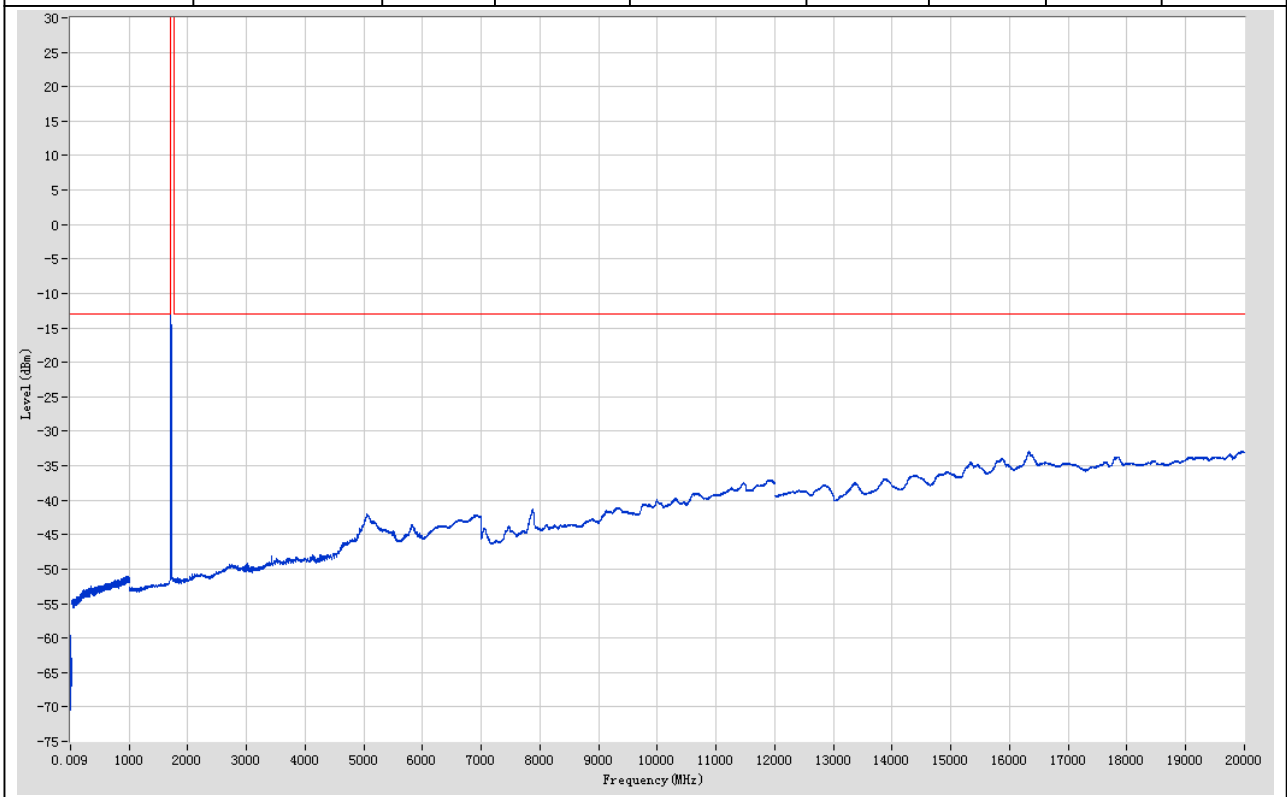
LTE Band 4 QPSK 5 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.49	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.47	-13	Pass	2985
30	1000	0.1	RMS	954.395	-51.07	-13	Pass	9700
1000	1700	1	RMS	1698.999	-51.77	-13	Pass	700
1700	1765	1	RMS	1750.399	22.87	60	Pass	691
1765	3000	1	RMS	2755.802	-49.26	-13	Pass	1235
3000	12000	1	RMS	11903.989	-37.12	-13	Pass	9000
12000	20000	1	RMS	19945.993	-32.9	-13	Pass	8000



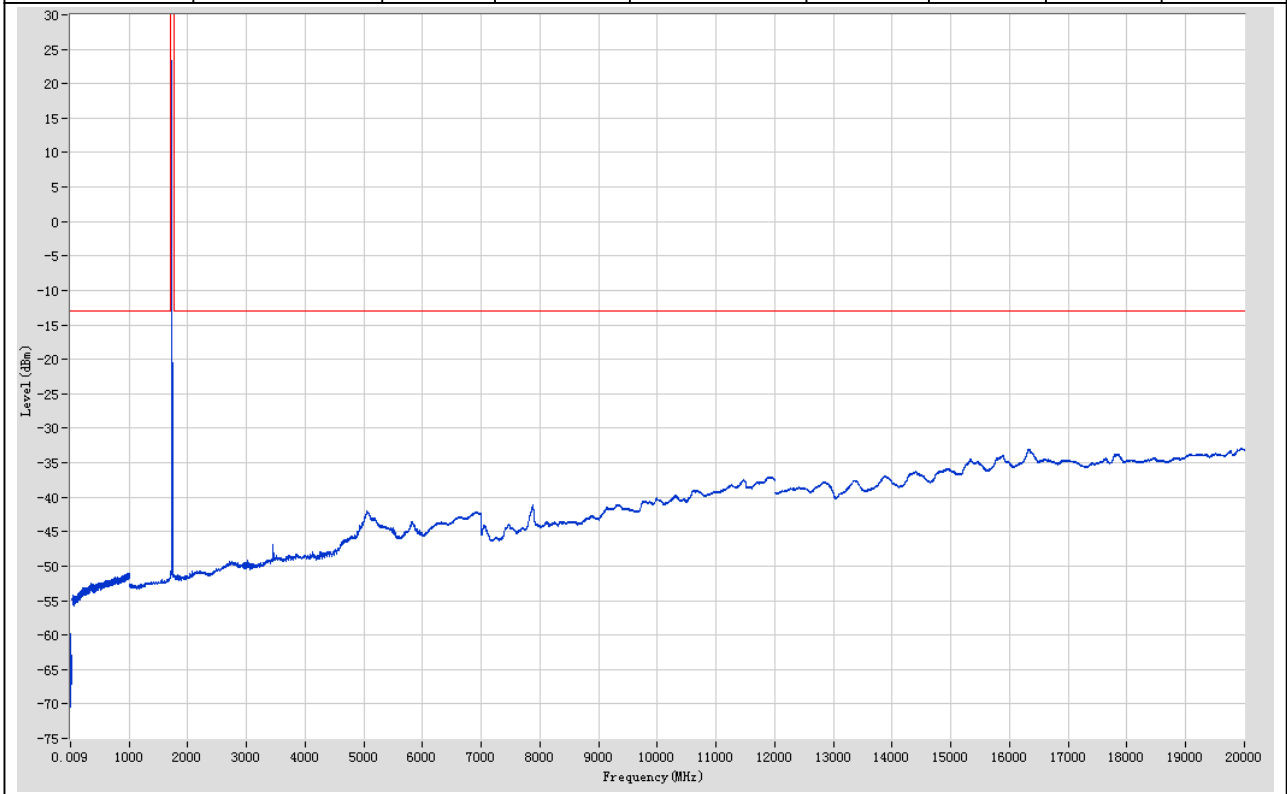
LTE Band 4 QPSK 10 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.55	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.55	-13	Pass	2985
30	1000	0.1	RMS	956.596	-50.98	-13	Pass	9700
1000	1700	1	RMS	1698.999	-50.77	-13	Pass	700
1700	1765	1	RMS	1710.551	22.96	60	Pass	691
1765	3000	1	RMS	2713.768	-49.29	-13	Pass	1235
3000	12000	1	RMS	11924.992	-37.11	-13	Pass	9000
12000	20000	1	RMS	19950.994	-32.93	-13	Pass	8000



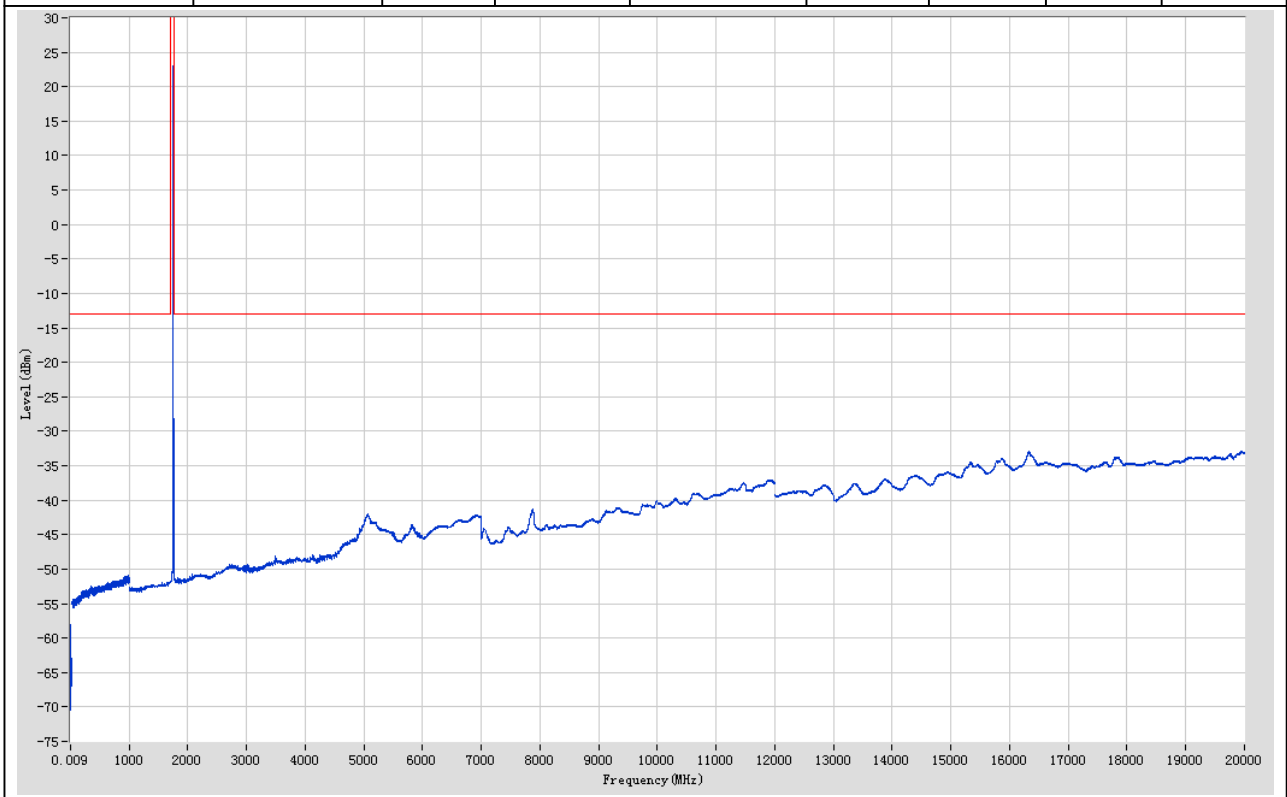
LTE Band 4 QPSK 10 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.48	-13	Pass	691
0.15	30	0.01	RMS	0.16	-59.73	-13	Pass	2985
30	1000	0.1	RMS	970.797	-51.06	-13	Pass	9700
1000	1700	1	RMS	1698.999	-51.69	-13	Pass	700
1700	1765	1	RMS	1728.072	23.3	60	Pass	691
1765	3000	1	RMS	2753.801	-49.26	-13	Pass	1235
3000	12000	1	RMS	11926.992	-37.02	-13	Pass	9000
12000	20000	1	RMS	19949.994	-32.89	-13	Pass	8000



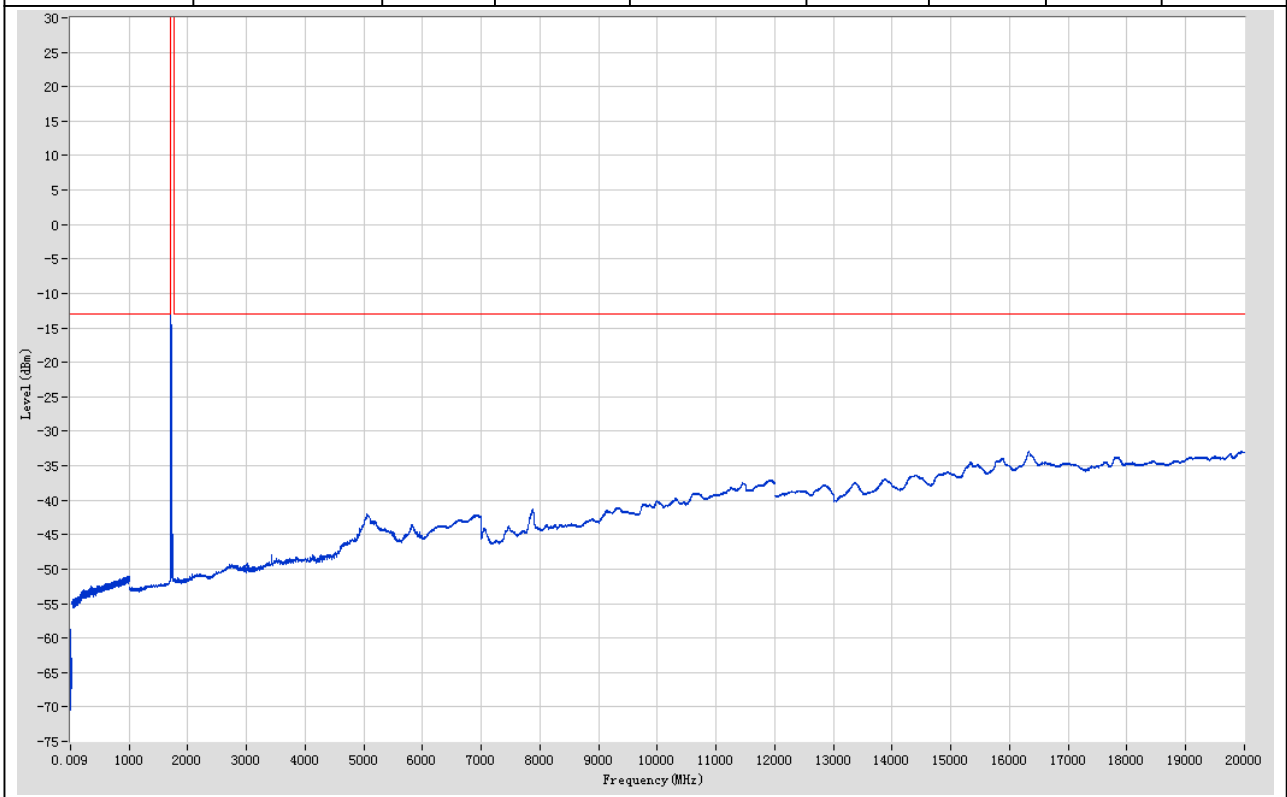
LTE Band 4 QPSK 10 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.48	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.06	-13	Pass	2985
30	1000	0.1	RMS	976.298	-50.96	-13	Pass	9700
1000	1700	1	RMS	1694.993	-51.77	-13	Pass	700
1700	1765	1	RMS	1745.594	23.03	60	Pass	691
1765	3000	1	RMS	2752.8	-49.3	-13	Pass	1235
3000	12000	1	RMS	11940.993	-37.12	-13	Pass	9000
12000	20000	1	RMS	16323.54	-32.94	-13	Pass	8000



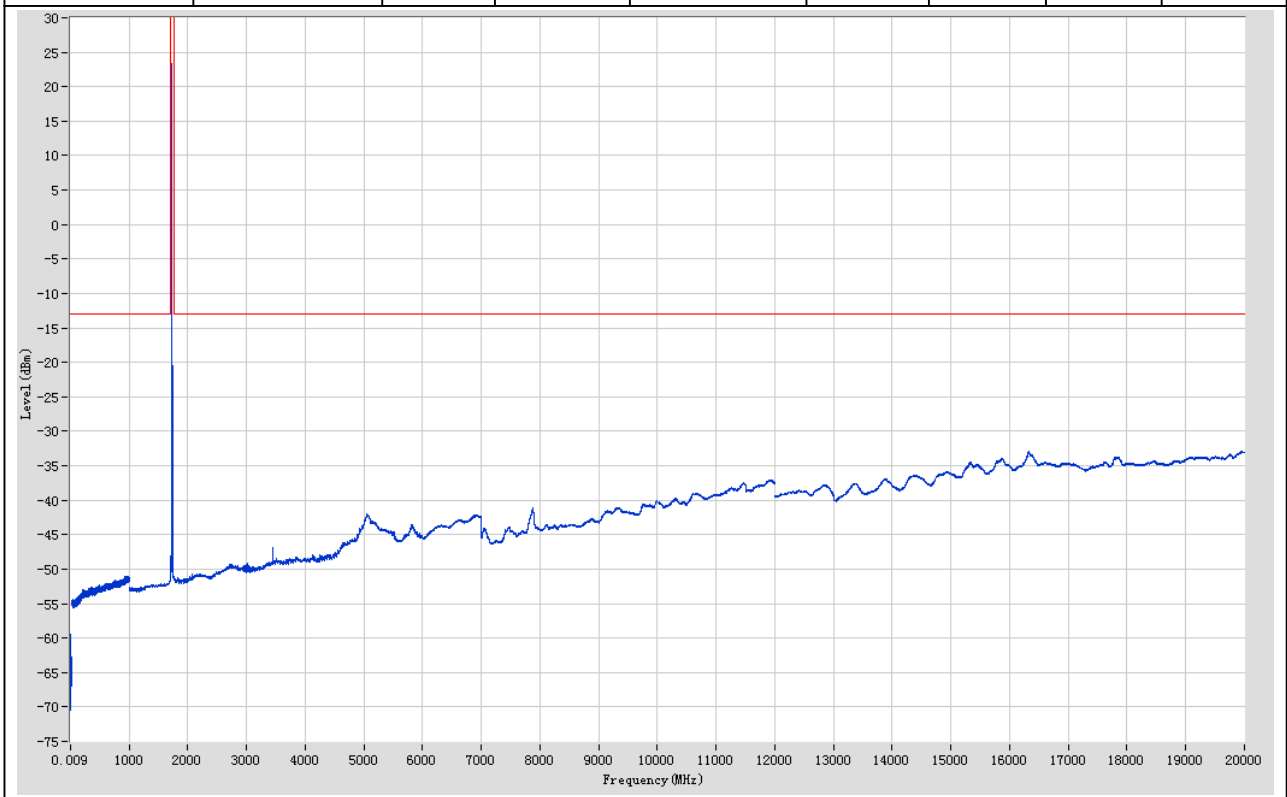
LTE Band 4 QPSK 15 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.49	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.84	-13	Pass	2985
30	1000	0.1	RMS	996.8	-51.08	-13	Pass	9700
1000	1700	1	RMS	1697.997	-49.55	-13	Pass	700
1700	1765	1	RMS	1710.833	23	60	Pass	691
1765	3000	1	RMS	2756.803	-49.29	-13	Pass	1235
3000	12000	1	RMS	11888.988	-37.08	-13	Pass	9000
12000	20000	1	RMS	19954.994	-32.91	-13	Pass	8000



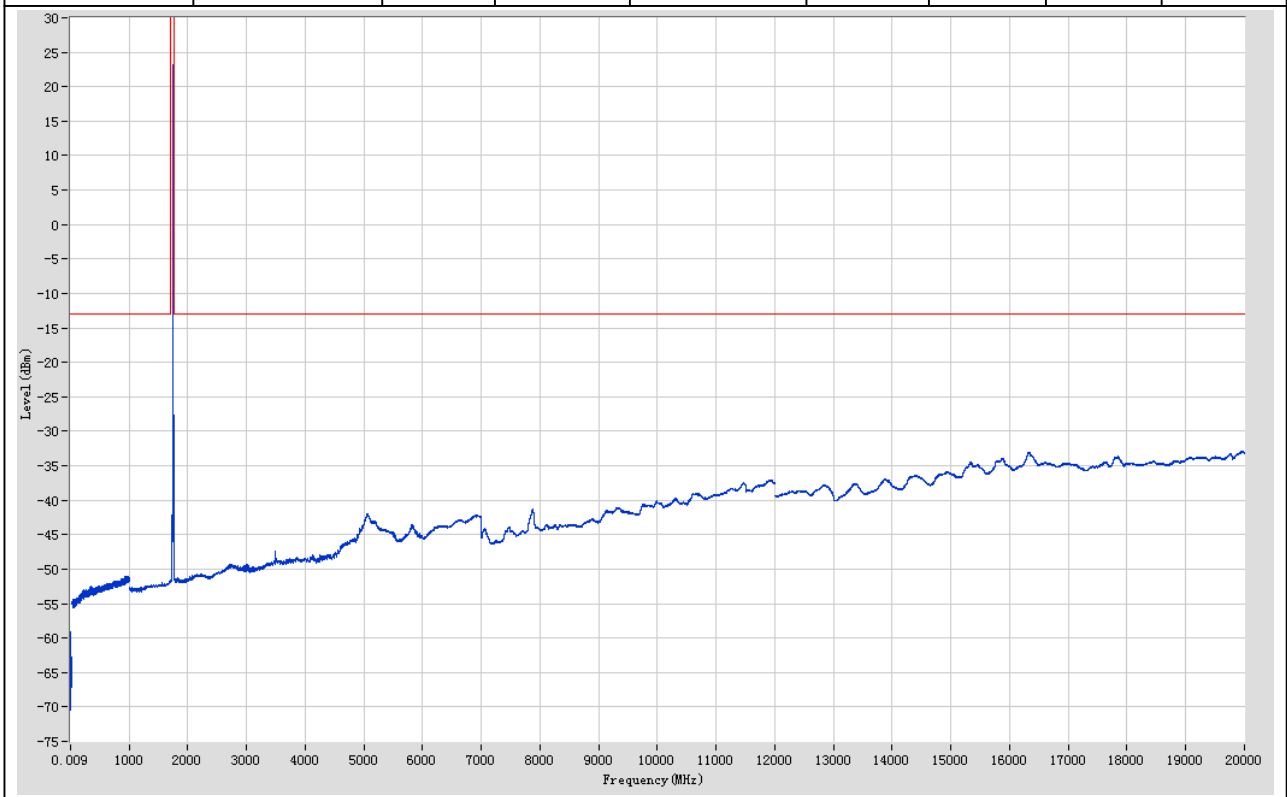
LTE Band 4 QPSK 15 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.43	-13	Pass	691
0.15	30	0.01	RMS	0.16	-59.52	-13	Pass	2985
30	1000	0.1	RMS	974.397	-51.1	-13	Pass	9700
1000	1700	1	RMS	1700	-51.08	-13	Pass	700
1700	1765	1	RMS	1725.812	23.41	60	Pass	691
1765	3000	1	RMS	2755.802	-49.29	-13	Pass	1235
3000	12000	1	RMS	11924.992	-37.11	-13	Pass	9000
12000	20000	1	RMS	19949.994	-32.95	-13	Pass	8000



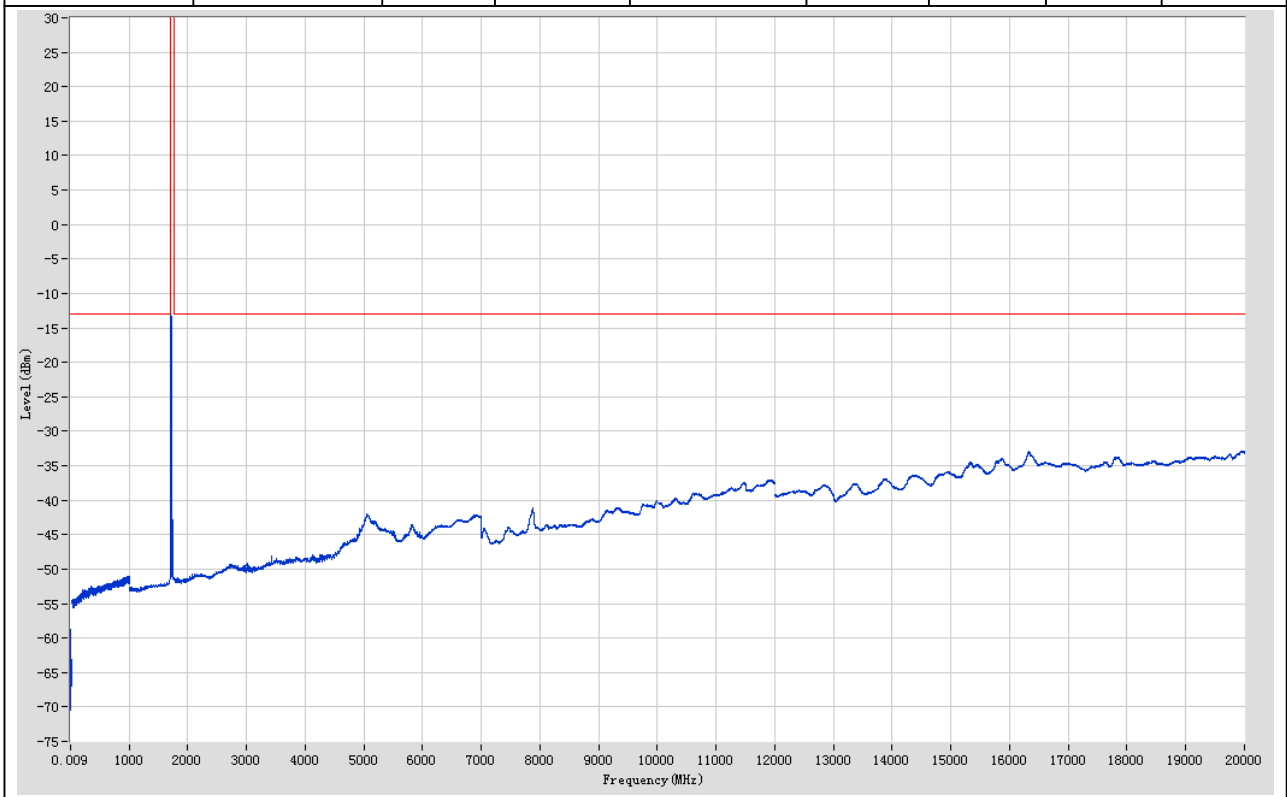
LTE Band 4 QPSK 15 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.49	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.06	-13	Pass	2985
30	1000	0.1	RMS	978.898	-51.02	-13	Pass	9700
1000	1700	1	RMS	1694.993	-51.76	-13	Pass	700
1700	1765	1	RMS	1740.884	23.18	60	Pass	691
1765	3000	1	RMS	1767.002	-46.69	-13	Pass	1235
3000	12000	1	RMS	11910.99	-37.1	-13	Pass	9000
12000	20000	1	RMS	19947.993	-32.93	-13	Pass	8000



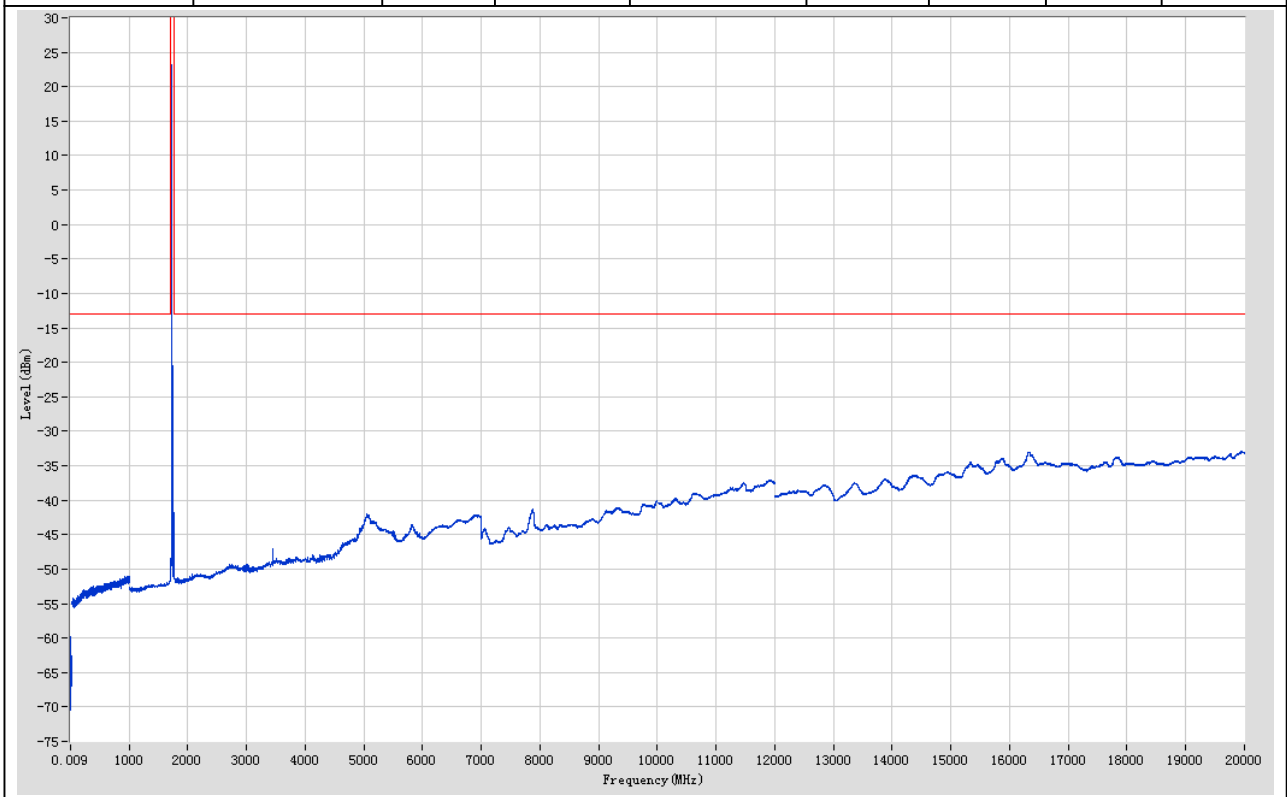
LTE Band 4 QPSK 20 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.47	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.77	-13	Pass	2985
30	1000	0.1	RMS	977.798	-51.08	-13	Pass	9700
1000	1700	1	RMS	1700	-49.76	-13	Pass	700
1700	1765	1	RMS	1711.022	23.01	60	Pass	691
1765	3000	1	RMS	2754.801	-49.24	-13	Pass	1235
3000	12000	1	RMS	11894.988	-37.09	-13	Pass	9000
12000	20000	1	RMS	16322.54	-32.9	-13	Pass	8000



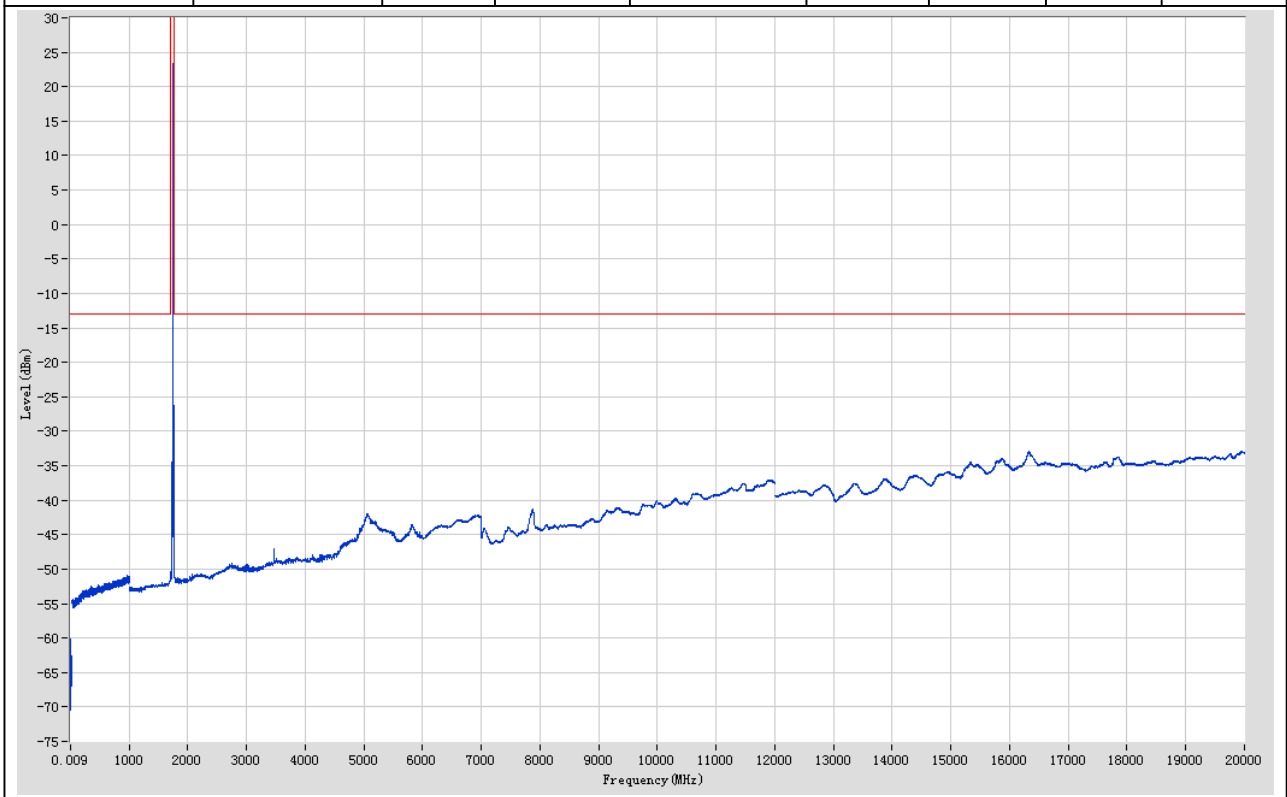
LTE Band 4 QPSK 20 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.65	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.85	-13	Pass	2985
30	1000	0.1	RMS	980.498	-51.06	-13	Pass	9700
1000	1700	1	RMS	1697.997	-51.6	-13	Pass	700
1700	1765	1	RMS	1723.551	23.2	60	Pass	691
1765	3000	1	RMS	2713.768	-49.31	-13	Pass	1235
3000	12000	1	RMS	11934.993	-37.09	-13	Pass	9000
12000	20000	1	RMS	19943.993	-32.93	-13	Pass	8000



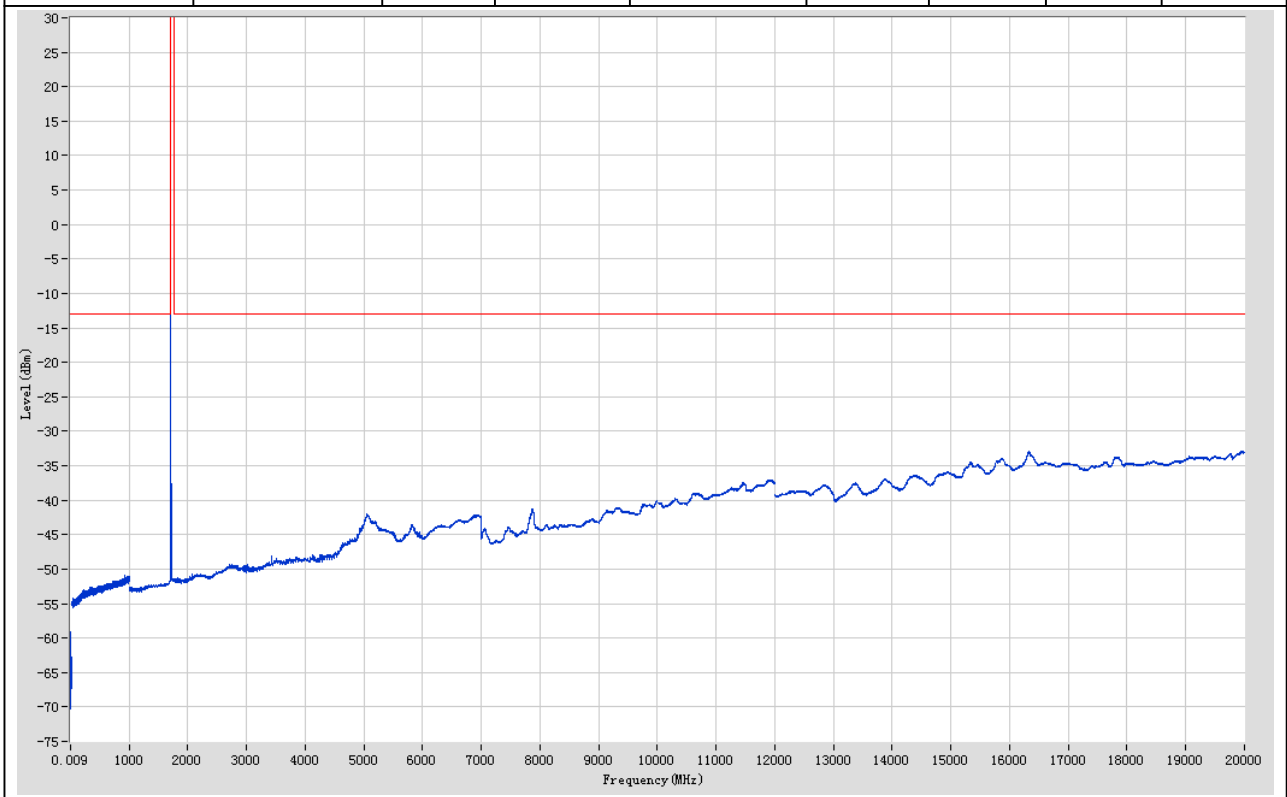
LTE Band 4 QPSK 20 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.57	-13	Pass	691
0.15	30	0.01	RMS	0.16	-60.1	-13	Pass	2985
30	1000	0.1	RMS	972.397	-50.89	-13	Pass	9700
1000	1700	1	RMS	1700	-51.4	-13	Pass	700
1700	1765	1	RMS	1736.08	23.42	60	Pass	691
1765	3000	1	RMS	1771.005	-43.82	-13	Pass	1235
3000	12000	1	RMS	11948.994	-37.12	-13	Pass	9000
12000	20000	1	RMS	19941.993	-32.92	-13	Pass	8000



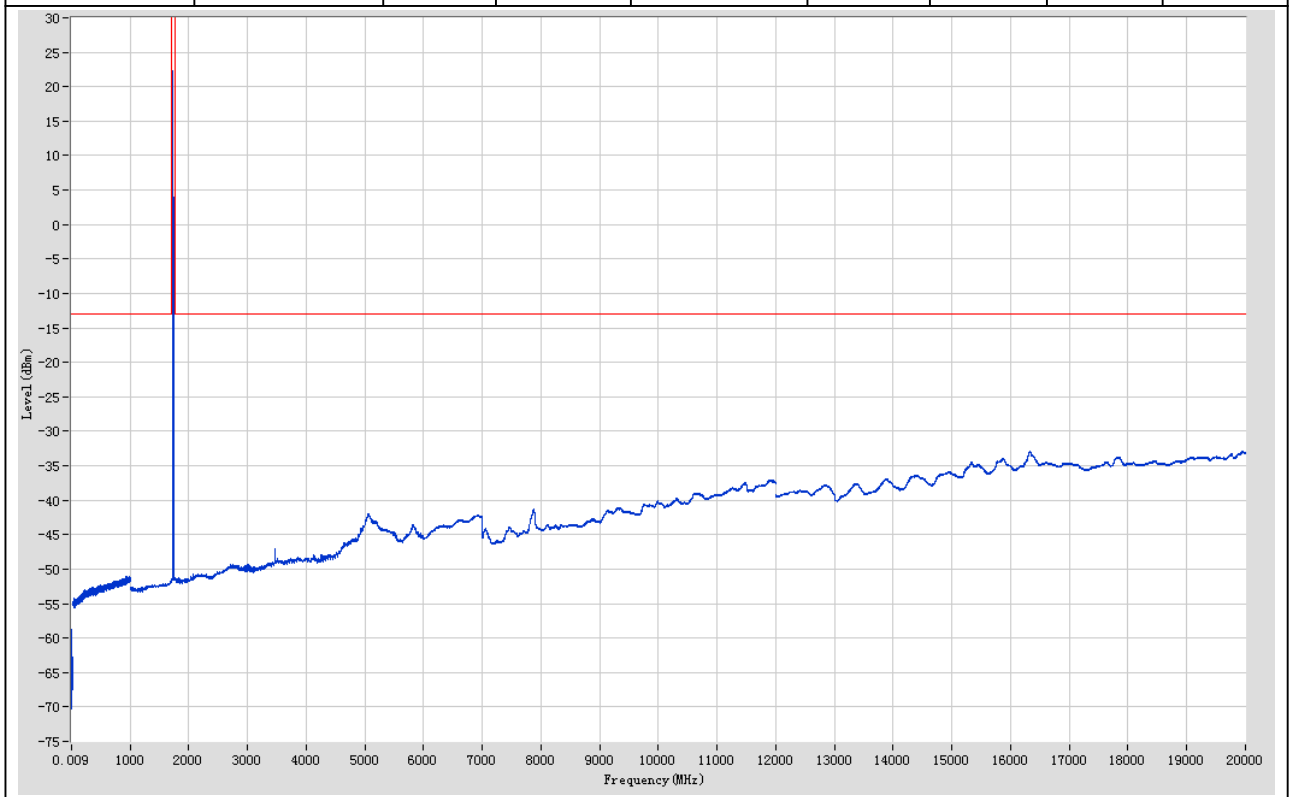
LTE Band 4 16-QAM 1.4 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.33	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.11	-13	Pass	2985
30	1000	0.1	RMS	932.193	-50.97	-13	Pass	9700
1000	1700	1	RMS	1698.999	-50.83	-13	Pass	700
1700	1765	1	RMS	1710.268	22.06	60	Pass	691
1765	3000	1	RMS	2755.802	-49.25	-13	Pass	1235
3000	12000	1	RMS	11919.991	-37.08	-13	Pass	9000
12000	20000	1	RMS	16326.541	-32.95	-13	Pass	8000



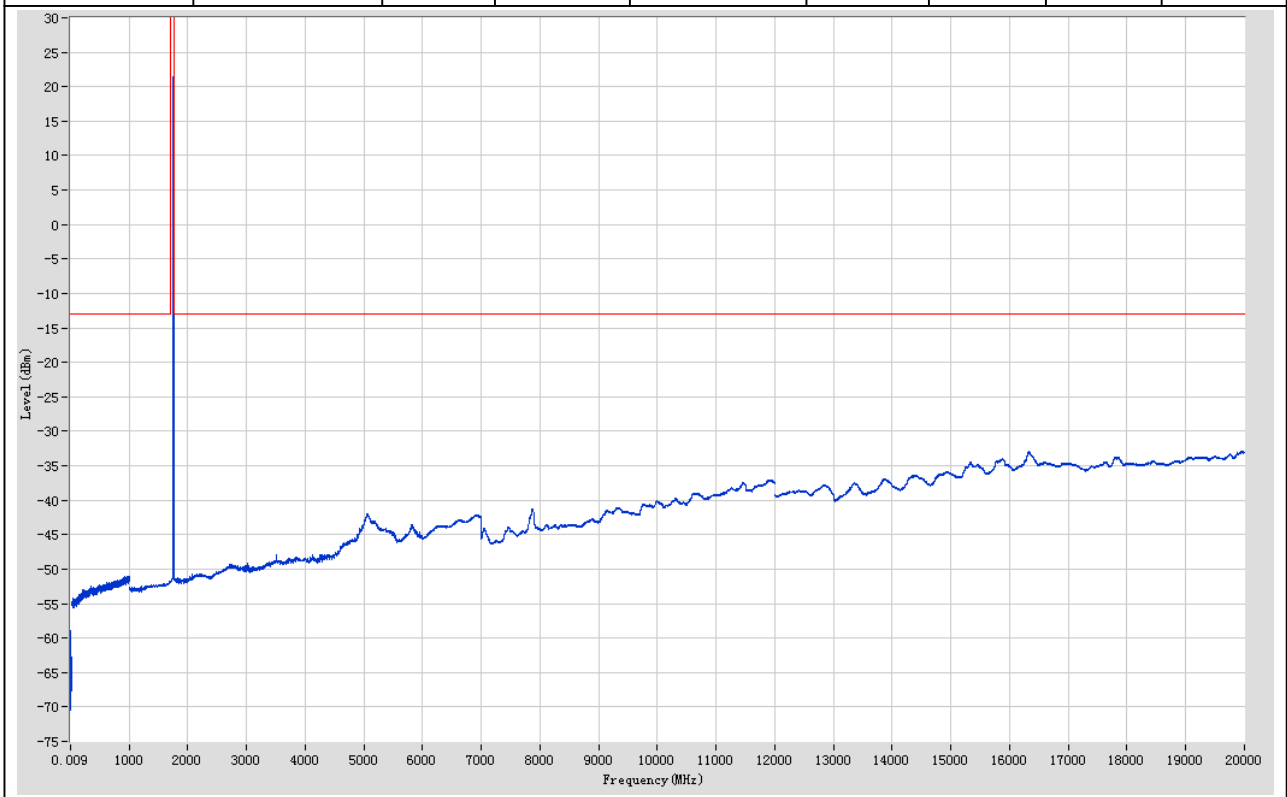
LTE Band 4 Q16-QAM 1.4 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.3	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.8	-13	Pass	2985
30	1000	0.1	RMS	979.098	-51.04	-13	Pass	9700
1000	1700	1	RMS	1698.999	-51.76	-13	Pass	700
1700	1765	1	RMS	1732.123	22.32	60	Pass	691
1765	3000	1	RMS	2753.801	-49.28	-13	Pass	1235
3000	12000	1	RMS	11899.989	-37.07	-13	Pass	9000
12000	20000	1	RMS	19946.993	-32.94	-13	Pass	8000



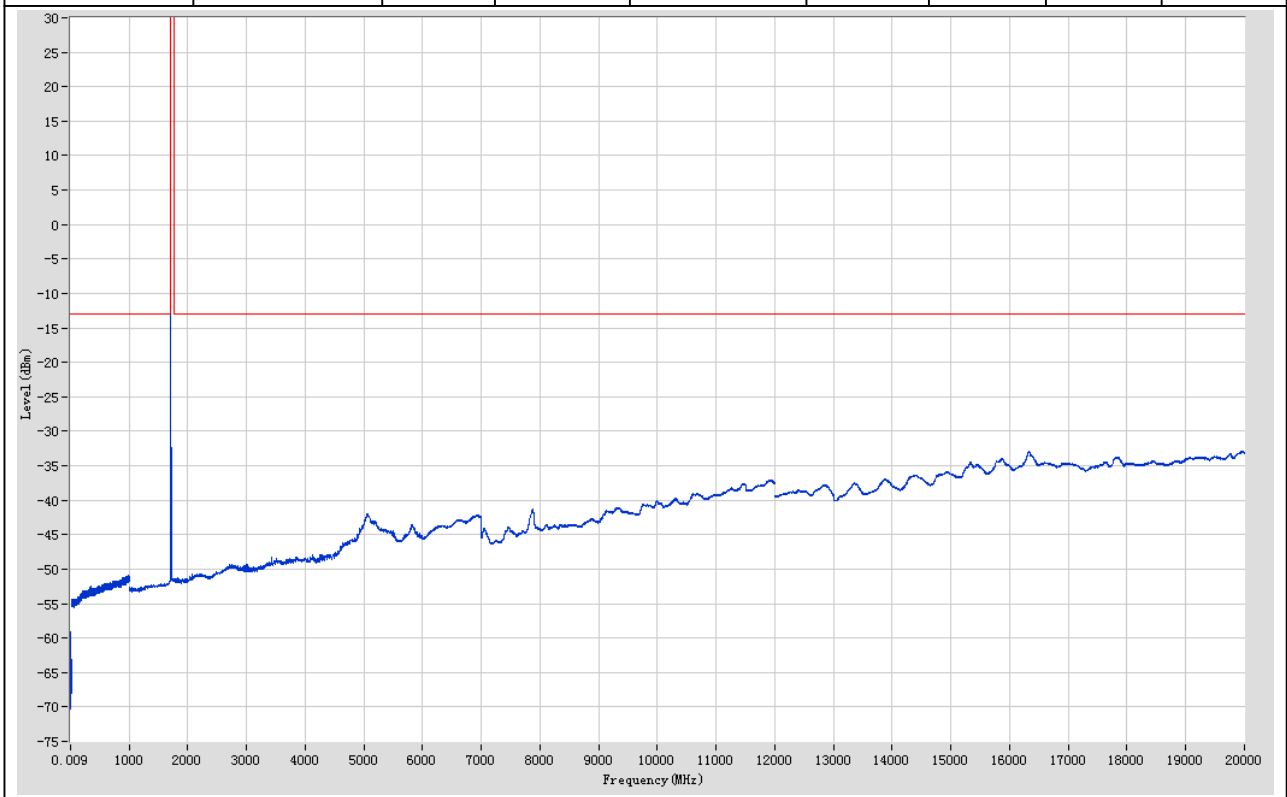
LTE Band 4 16-QAM 1.4 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.37	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.94	-13	Pass	2985
30	1000	0.1	RMS	995.6	-51.01	-13	Pass	9700
1000	1700	1	RMS	1694.993	-51.82	-13	Pass	700
1700	1765	1	RMS	1753.884	21.52	60	Pass	691
1765	3000	1	RMS	2754.801	-49.28	-13	Pass	1235
3000	12000	1	RMS	11947.994	-37.1	-13	Pass	9000
12000	20000	1	RMS	19946.993	-32.91	-13	Pass	8000



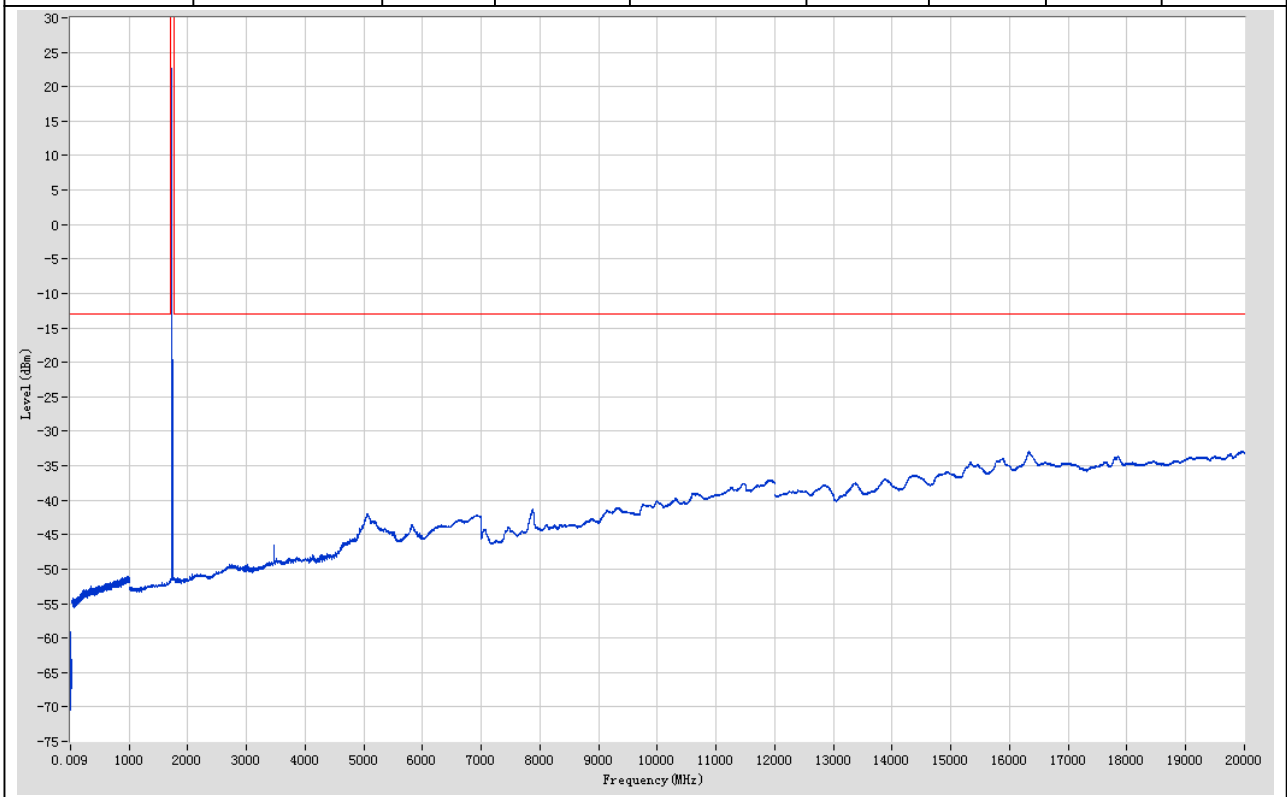
LTE Band 4 16-QAM 3 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.04	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.15	-13	Pass	2985
30	1000	0.1	RMS	980.998	-50.96	-13	Pass	9700
1000	1700	1	RMS	1698.999	-50.96	-13	Pass	700
1700	1765	1	RMS	1710.268	21.52	60	Pass	691
1765	3000	1	RMS	2754.801	-49.31	-13	Pass	1235
3000	12000	1	RMS	11895.988	-37.09	-13	Pass	9000
12000	20000	1	RMS	19946.993	-32.94	-13	Pass	8000



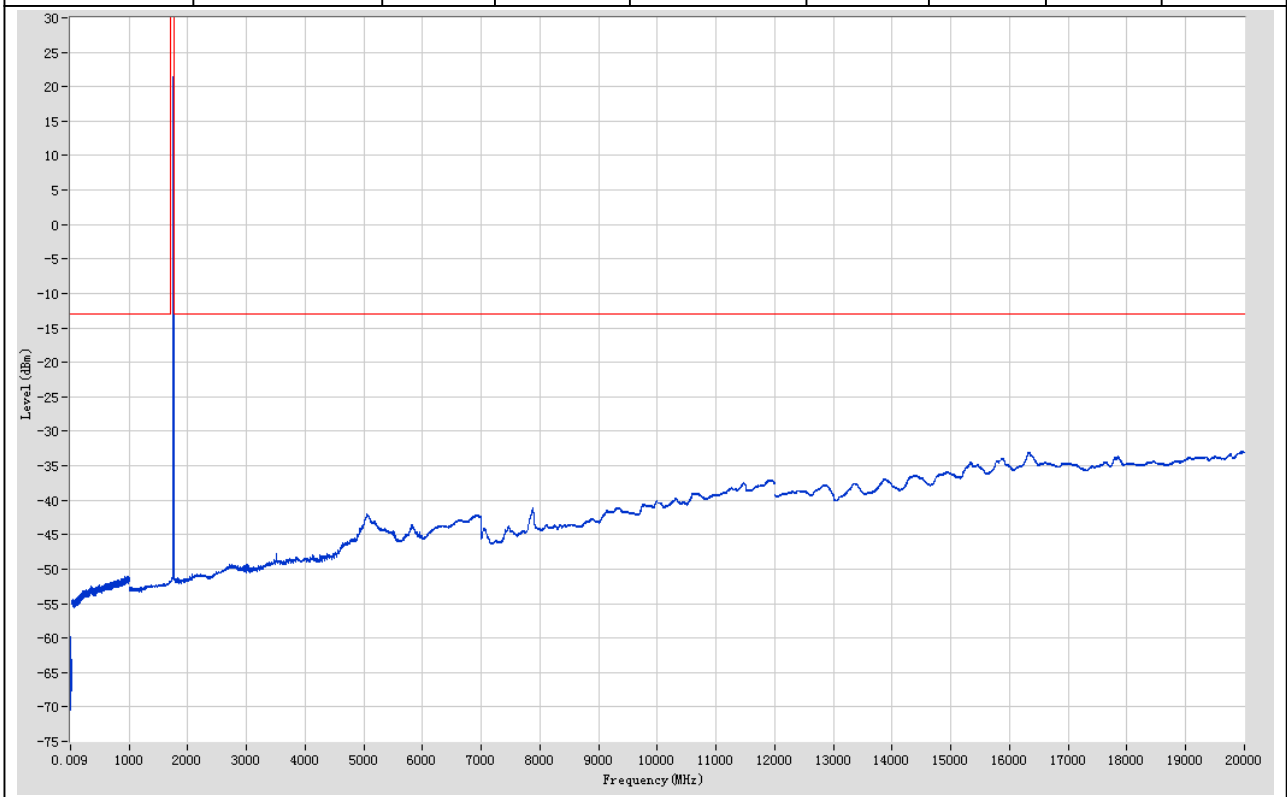
LTE Band 4 16-QAM 3 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.47	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.09	-13	Pass	2985
30	1000	0.1	RMS	979.298	-51.03	-13	Pass	9700
1000	1700	1	RMS	1696.996	-51.72	-13	Pass	700
1700	1765	1	RMS	1731.275	22.6	60	Pass	691
1765	3000	1	RMS	2754.801	-49.29	-13	Pass	1235
3000	12000	1	RMS	11885.987	-37.08	-13	Pass	9000
12000	20000	1	RMS	19950.994	-32.94	-13	Pass	8000



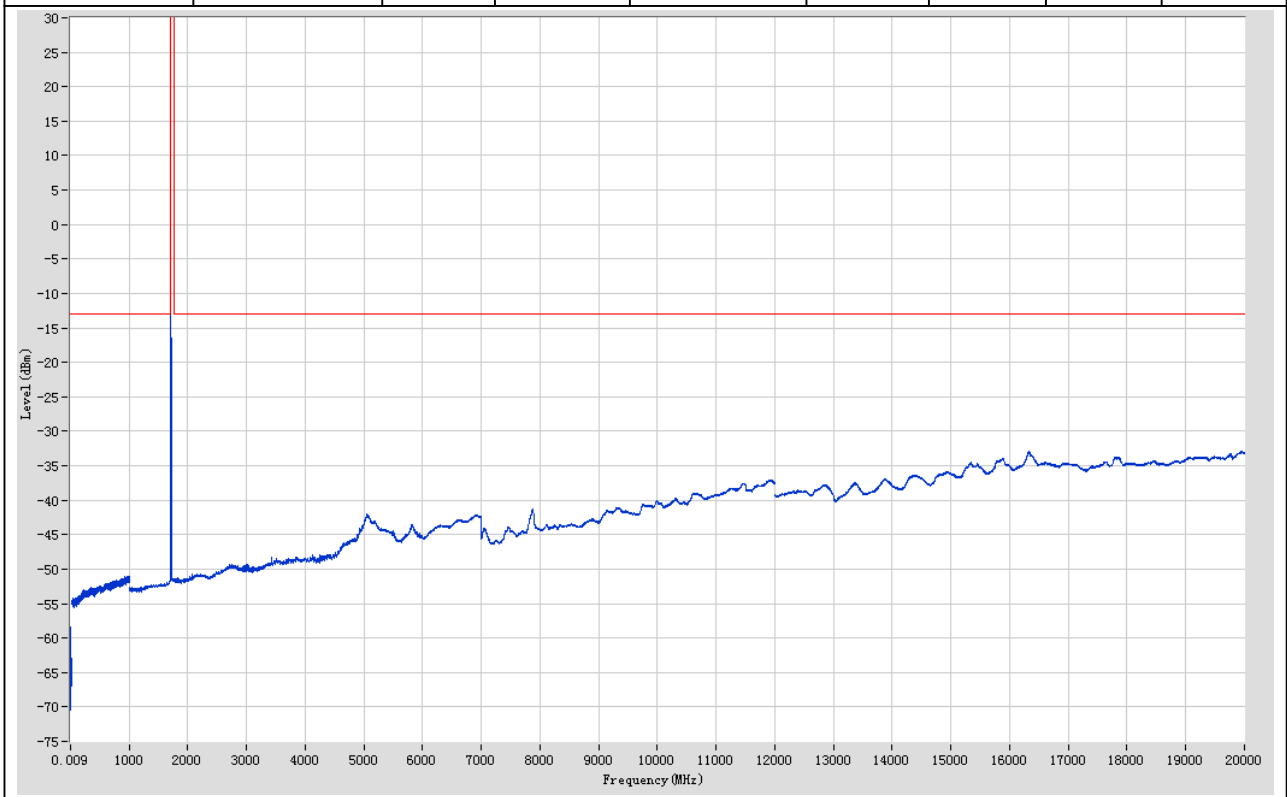
LTE Band 4 16-QAM 3 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.46	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.87	-13	Pass	2985
30	1000	0.1	RMS	972.497	-51	-13	Pass	9700
1000	1700	1	RMS	1694.993	-51.76	-13	Pass	700
1700	1765	1	RMS	1752.283	21.41	60	Pass	691
1765	3000	1	RMS	2754.801	-49.26	-13	Pass	1235
3000	12000	1	RMS	11947.994	-37.07	-13	Pass	9000
12000	20000	1	RMS	19945.993	-32.94	-13	Pass	8000



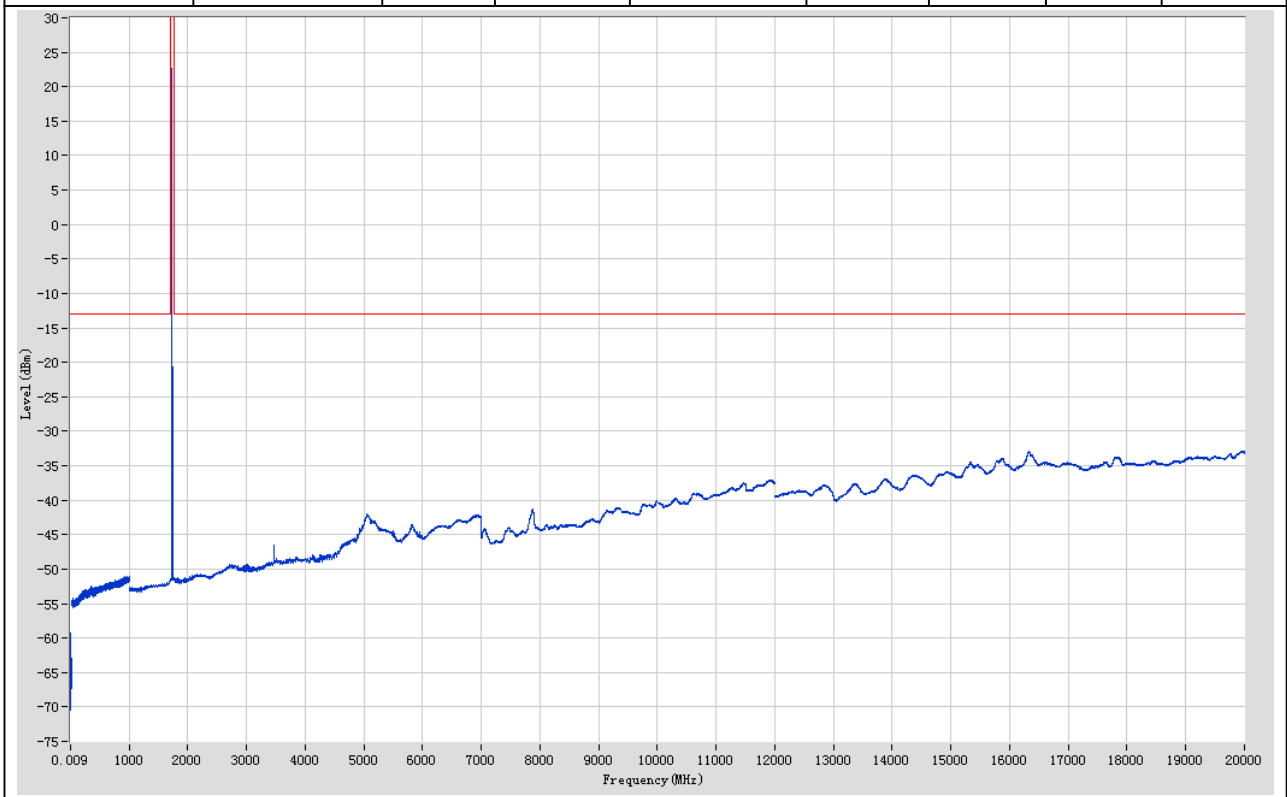
LTE Band 4 16-QAM 5 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.44	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.4	-13	Pass	2985
30	1000	0.1	RMS	999	-51.06	-13	Pass	9700
1000	1700	1	RMS	1698.999	-50.93	-13	Pass	700
1700	1765	1	RMS	1710.268	21.85	60	Pass	691
1765	3000	1	RMS	2753.801	-49.25	-13	Pass	1235
3000	12000	1	RMS	11922.991	-37.07	-13	Pass	9000
12000	20000	1	RMS	19961.995	-32.92	-13	Pass	8000



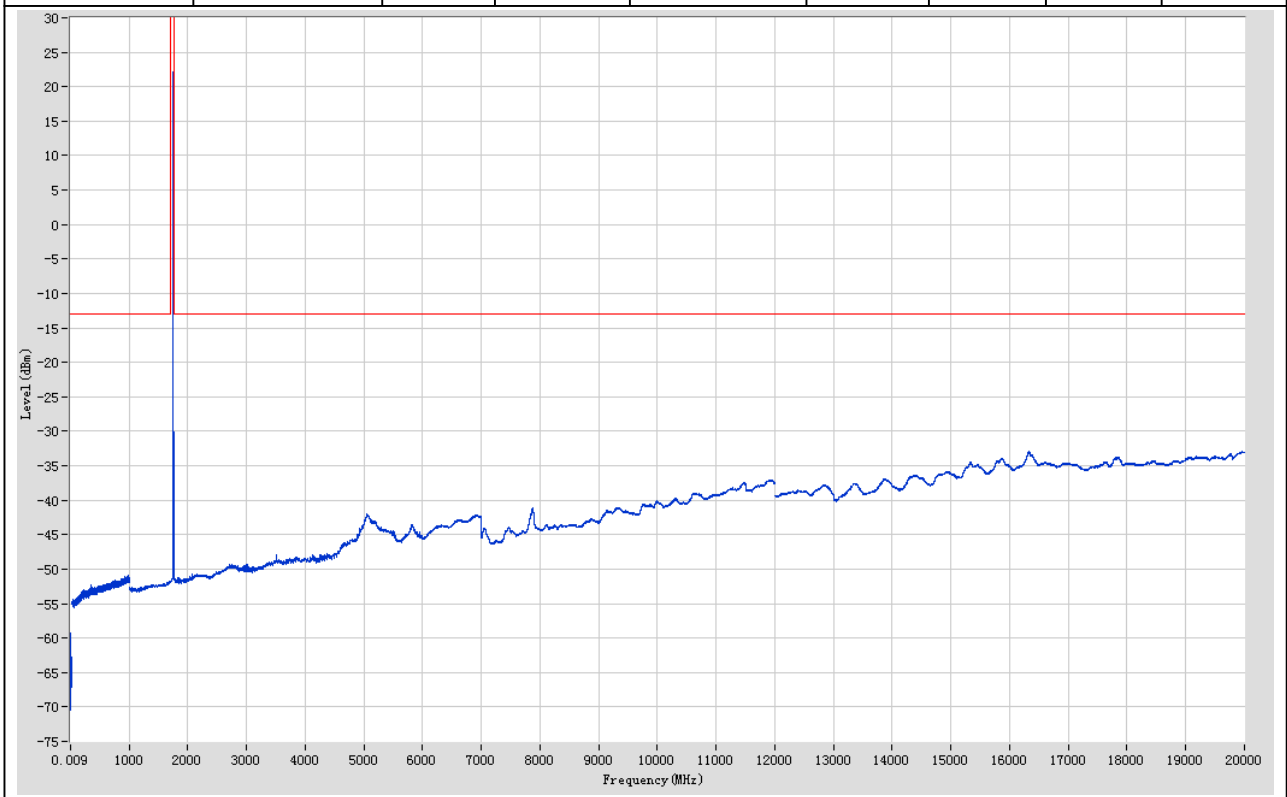
LTE Band 4 16-QAM 5 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.47	-13	Pass	691
0.15	30	0.01	RMS	0.16	-59.34	-13	Pass	2985
30	1000	0.1	RMS	998	-51.06	-13	Pass	9700
1000	1700	1	RMS	1693.991	-51.72	-13	Pass	700
1700	1765	1	RMS	1730.333	22.72	60	Pass	691
1765	3000	1	RMS	2754.801	-49.26	-13	Pass	1235
3000	12000	1	RMS	11913.99	-37.06	-13	Pass	9000
12000	20000	1	RMS	19950.994	-32.9	-13	Pass	8000



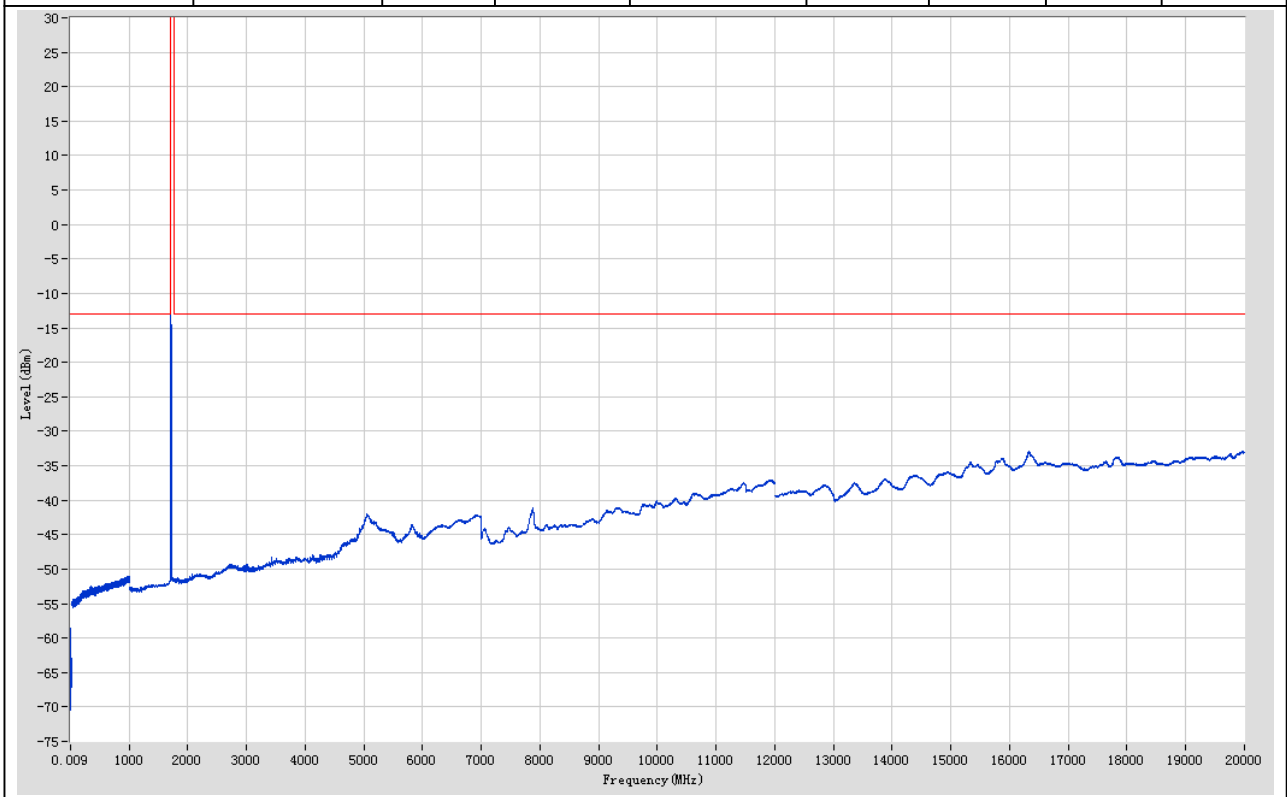
LTE Band 4 16-QAM 5 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.48	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.31	-13	Pass	2985
30	1000	0.1	RMS	977.398	-50.95	-13	Pass	9700
1000	1700	1	RMS	1693.991	-51.76	-13	Pass	700
1700	1765	1	RMS	1750.304	22.17	60	Pass	691
1765	3000	1	RMS	2753.801	-49.29	-13	Pass	1235
3000	12000	1	RMS	11951.995	-37.1	-13	Pass	9000
12000	20000	1	RMS	19961.995	-32.91	-13	Pass	8000



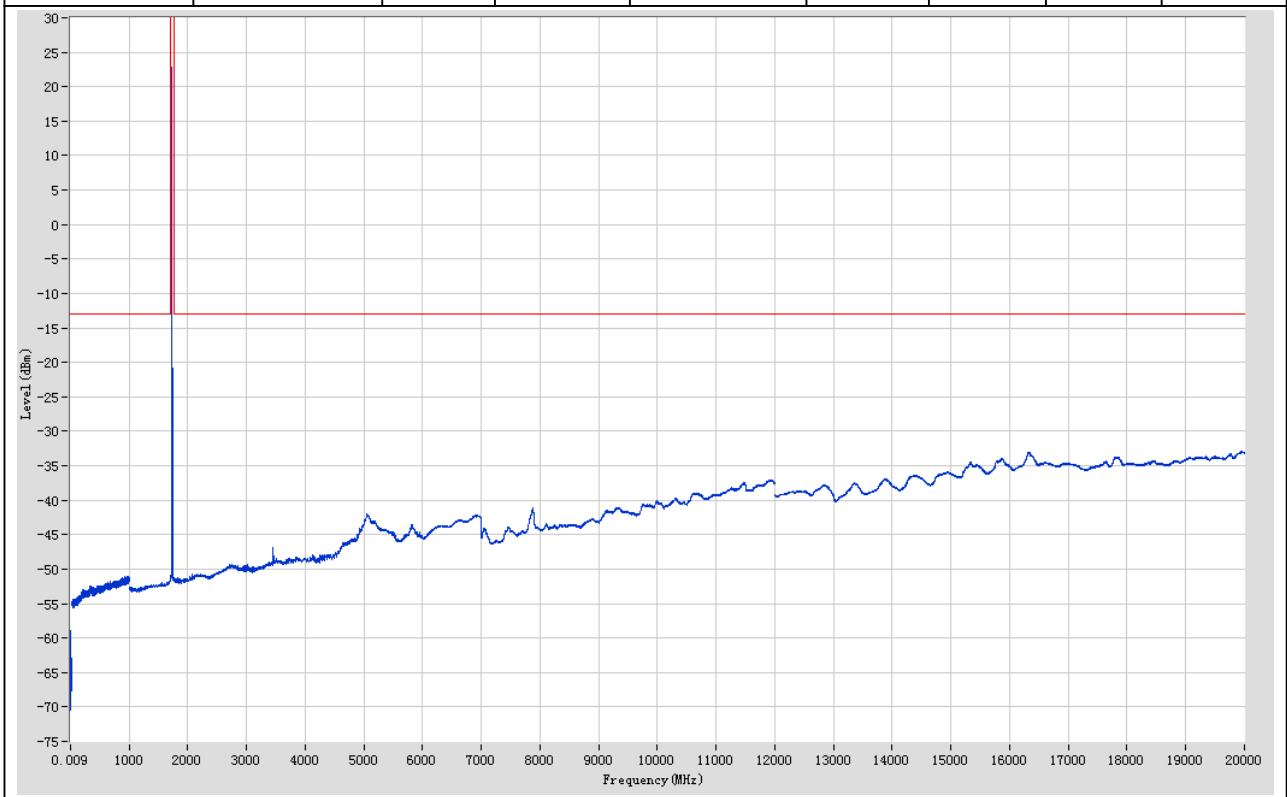
LTE Band 4 16-QAM 10 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.44	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.57	-13	Pass	2985
30	1000	0.1	RMS	976.998	-51.05	-13	Pass	9700
1000	1700	1	RMS	1698.999	-50.97	-13	Pass	700
1700	1765	1	RMS	1710.551	21.81	60	Pass	691
1765	3000	1	RMS	2753.801	-49.27	-13	Pass	1235
3000	12000	1	RMS	11946.994	-37.07	-13	Pass	9000
12000	20000	1	RMS	19953.994	-32.95	-13	Pass	8000



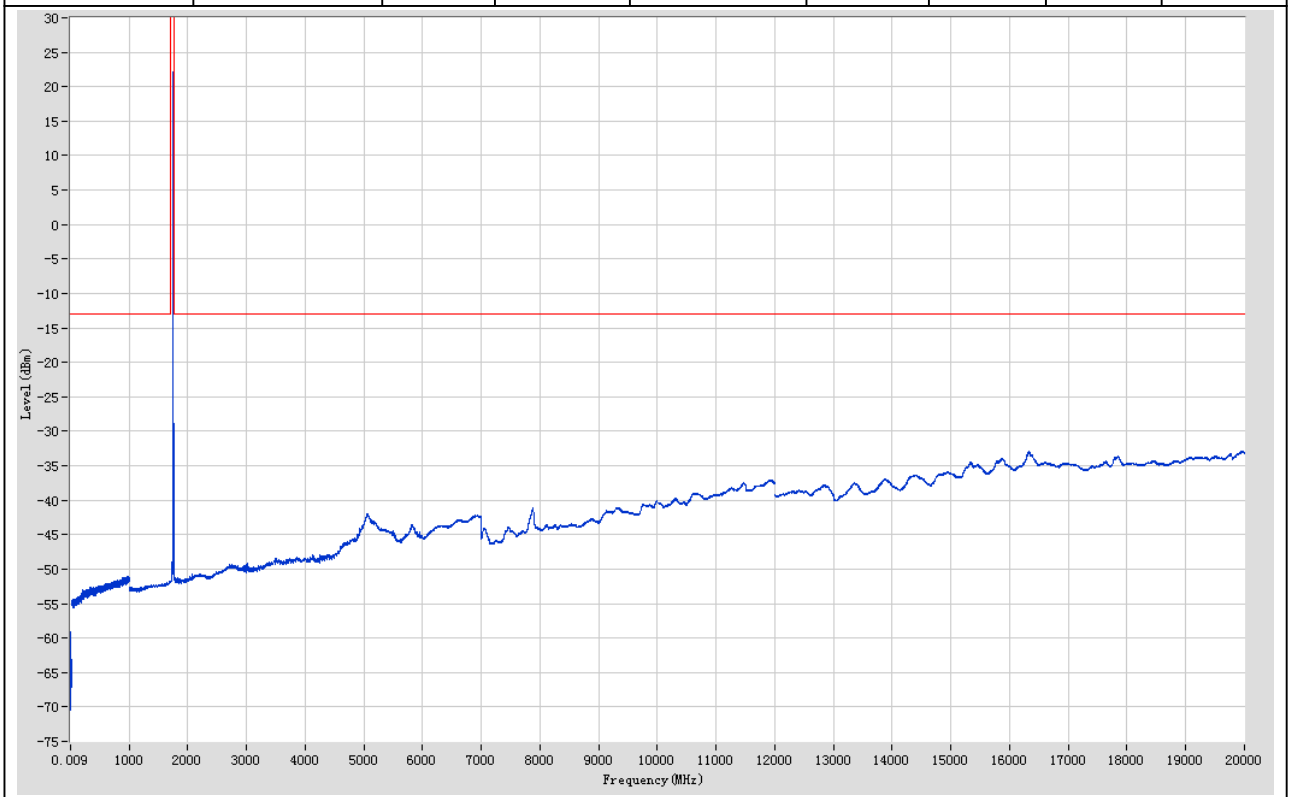
LTE Band 4 16-QAM 10 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.46	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.87	-13	Pass	2985
30	1000	0.1	RMS	978.098	-51.09	-13	Pass	9700
1000	1700	1	RMS	1692.99	-51.69	-13	Pass	700
1700	1765	1	RMS	1728.072	22.82	60	Pass	691
1765	3000	1	RMS	2754.801	-49.26	-13	Pass	1235
3000	12000	1	RMS	11893.988	-37.1	-13	Pass	9000
12000	20000	1	RMS	19951.994	-32.94	-13	Pass	8000



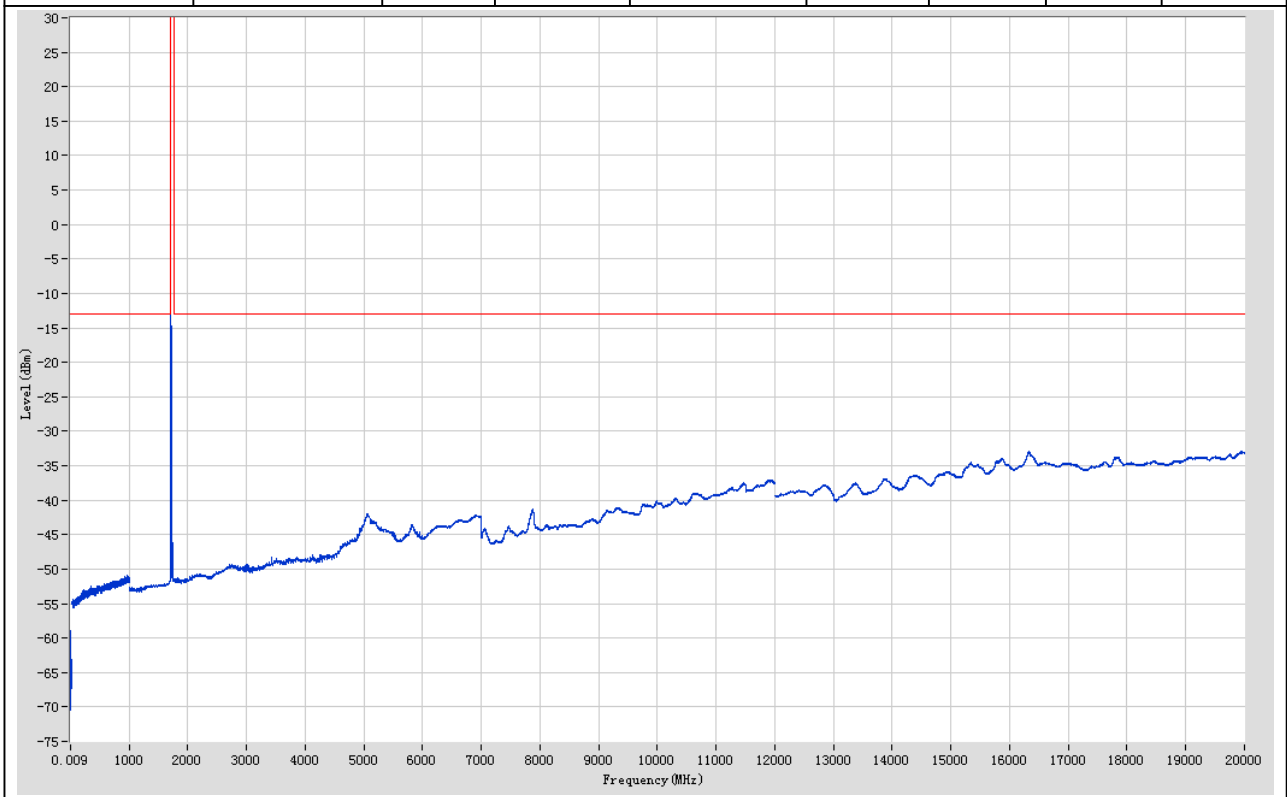
LTE Band 4 16-QAM 10 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.51	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.17	-13	Pass	2985
30	1000	0.1	RMS	973.297	-51.04	-13	Pass	9700
1000	1700	1	RMS	1693.991	-51.77	-13	Pass	700
1700	1765	1	RMS	1745.688	22.19	60	Pass	691
1765	3000	1	RMS	2753.801	-49.29	-13	Pass	1235
3000	12000	1	RMS	11946.994	-37.11	-13	Pass	9000
12000	20000	1	RMS	19949.994	-32.91	-13	Pass	8000



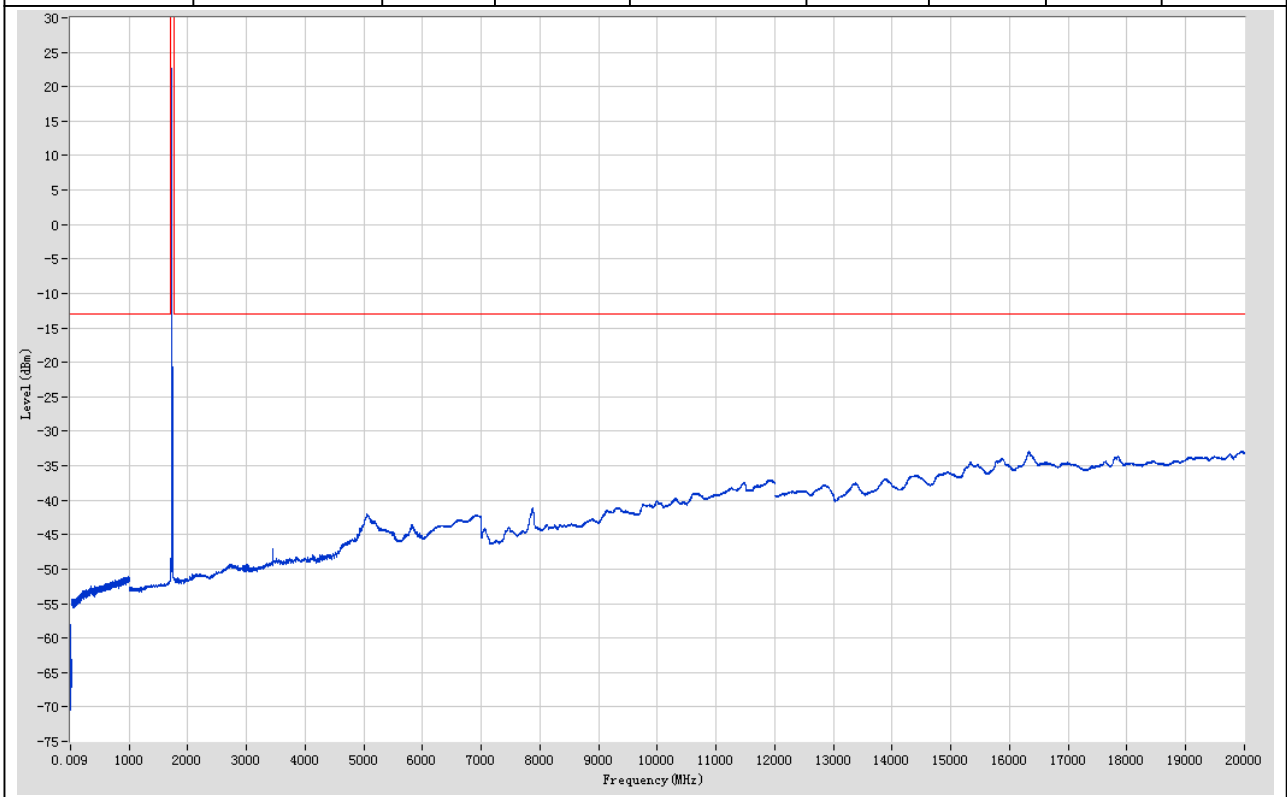
LTE Band 4 16-QAM 15 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.49	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.87	-13	Pass	2985
30	1000	0.1	RMS	974.097	-50.93	-13	Pass	9700
1000	1700	1	RMS	1697.997	-50.03	-13	Pass	700
1700	1765	1	RMS	1710.833	21.79	60	Pass	691
1765	3000	1	RMS	2756.803	-49.31	-13	Pass	1235
3000	12000	1	RMS	11881.987	-37.08	-13	Pass	9000
12000	20000	1	RMS	19945.993	-32.9	-13	Pass	8000



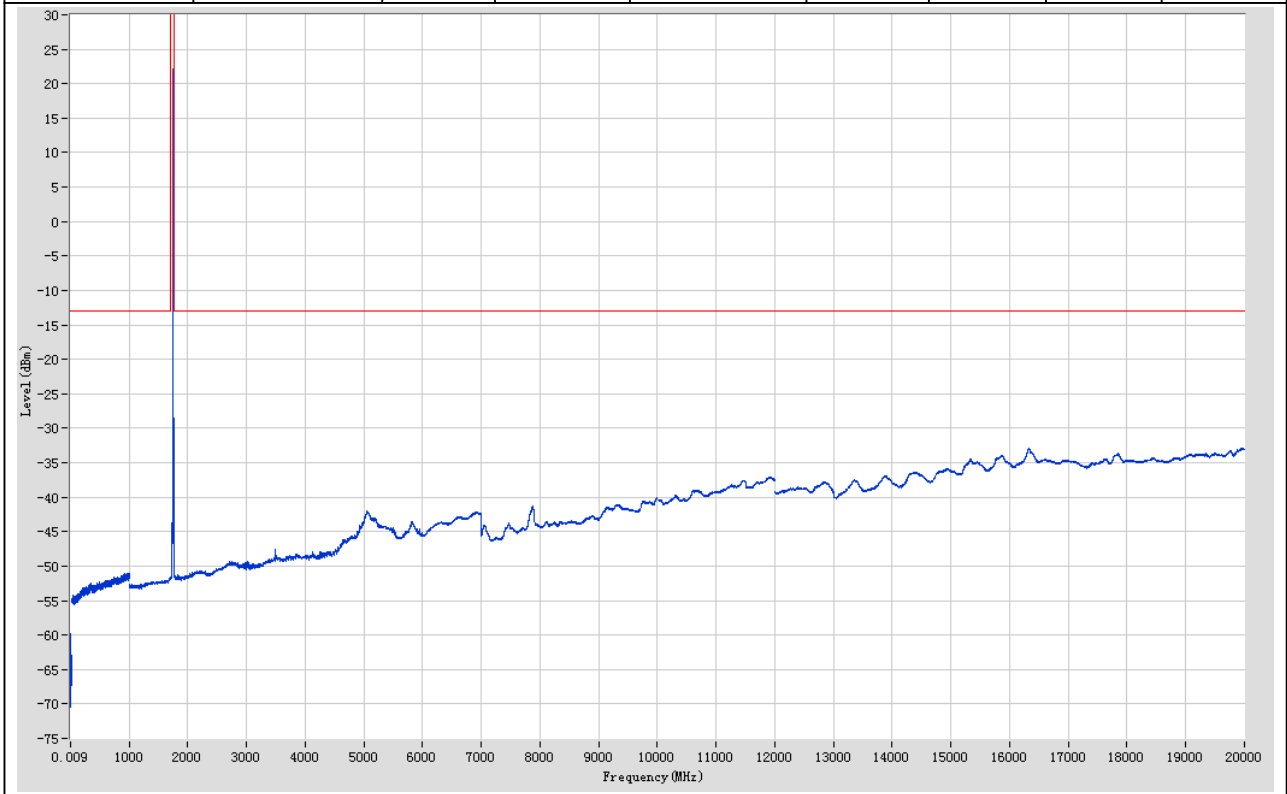
LTE Band 4 16-QAM 15 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.63	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.08	-13	Pass	2985
30	1000	0.1	RMS	978.298	-51.07	-13	Pass	9700
1000	1700	1	RMS	1700	-51.27	-13	Pass	700
1700	1765	1	RMS	1725.812	22.61	60	Pass	691
1765	3000	1	RMS	2711.767	-49.3	-13	Pass	1235
3000	12000	1	RMS	11946.994	-37.1	-13	Pass	9000
12000	20000	1	RMS	19946.993	-32.86	-13	Pass	8000



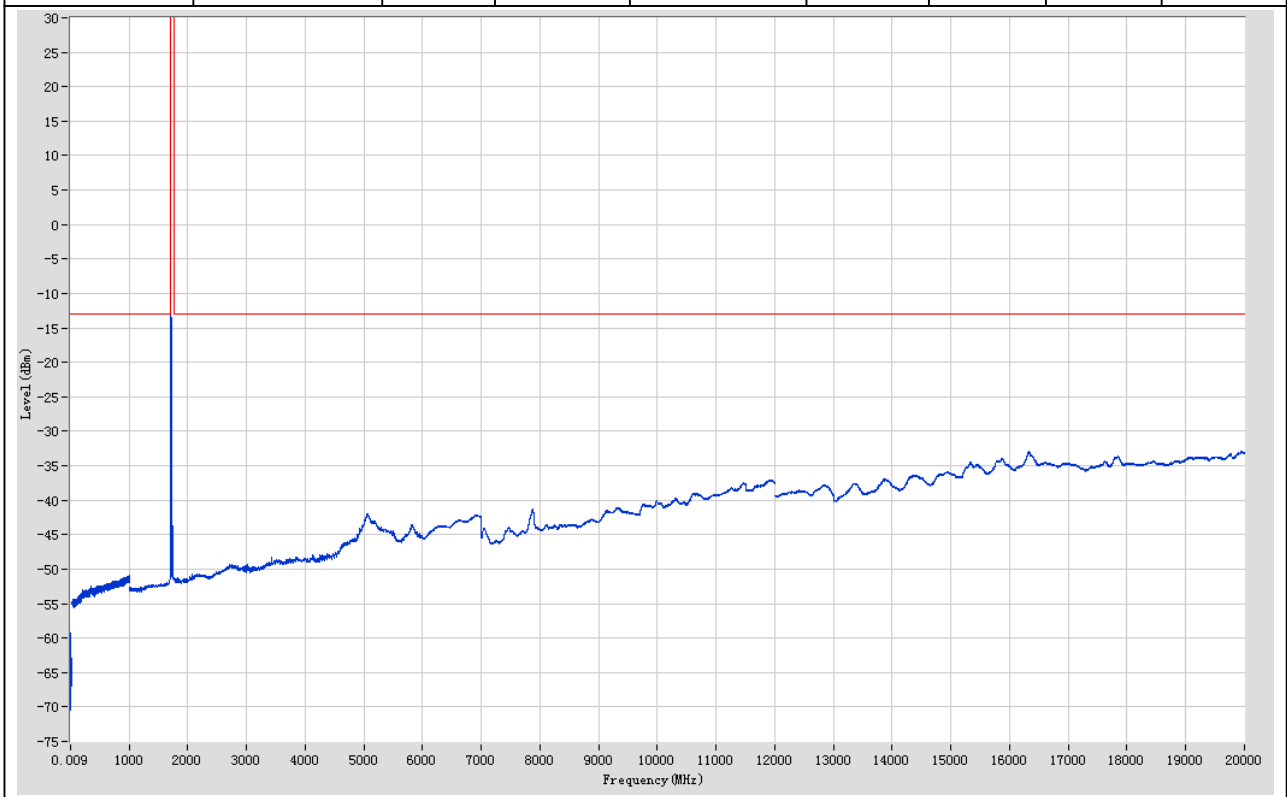
LTE Band 4 16-QAM 15 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.53	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.8	-13	Pass	2985
30	1000	0.1	RMS	978.198	-51	-13	Pass	9700
1000	1700	1	RMS	1694.993	-51.76	-13	Pass	700
1700	1765	1	RMS	1740.884	22.18	60	Pass	691
1765	3000	1	RMS	1767.002	-47.54	-13	Pass	1235
3000	12000	1	RMS	11946.994	-37.08	-13	Pass	9000
12000	20000	1	RMS	19950.994	-32.9	-13	Pass	8000



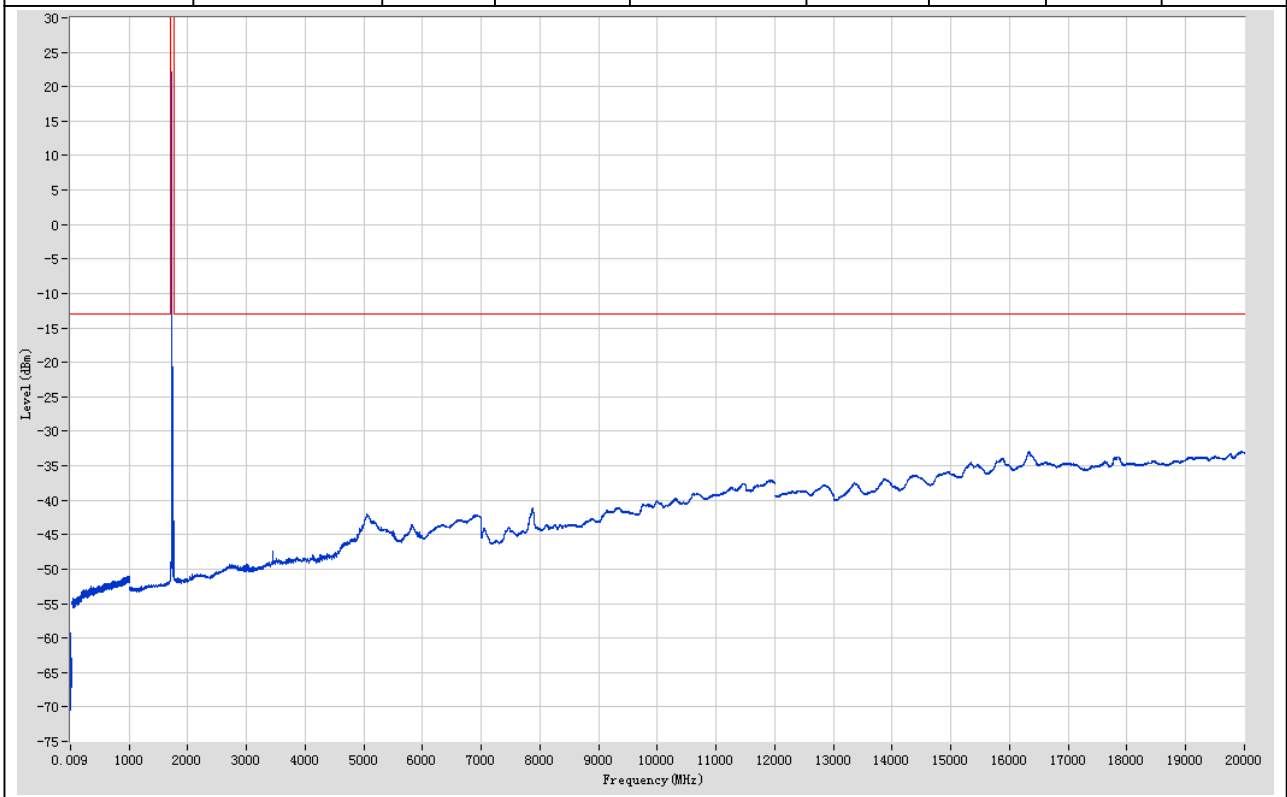
LTE Band 4 16-QAM 20 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.59	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.19	-13	Pass	2985
30	1000	0.1	RMS	998.6	-50.97	-13	Pass	9700
1000	1700	1	RMS	1700	-50.17	-13	Pass	700
1700	1765	1	RMS	1711.116	22.31	60	Pass	691
1765	3000	1	RMS	2754.801	-49.29	-13	Pass	1235
3000	12000	1	RMS	11909.99	-37.11	-13	Pass	9000
12000	20000	1	RMS	16322.54	-32.9	-13	Pass	8000



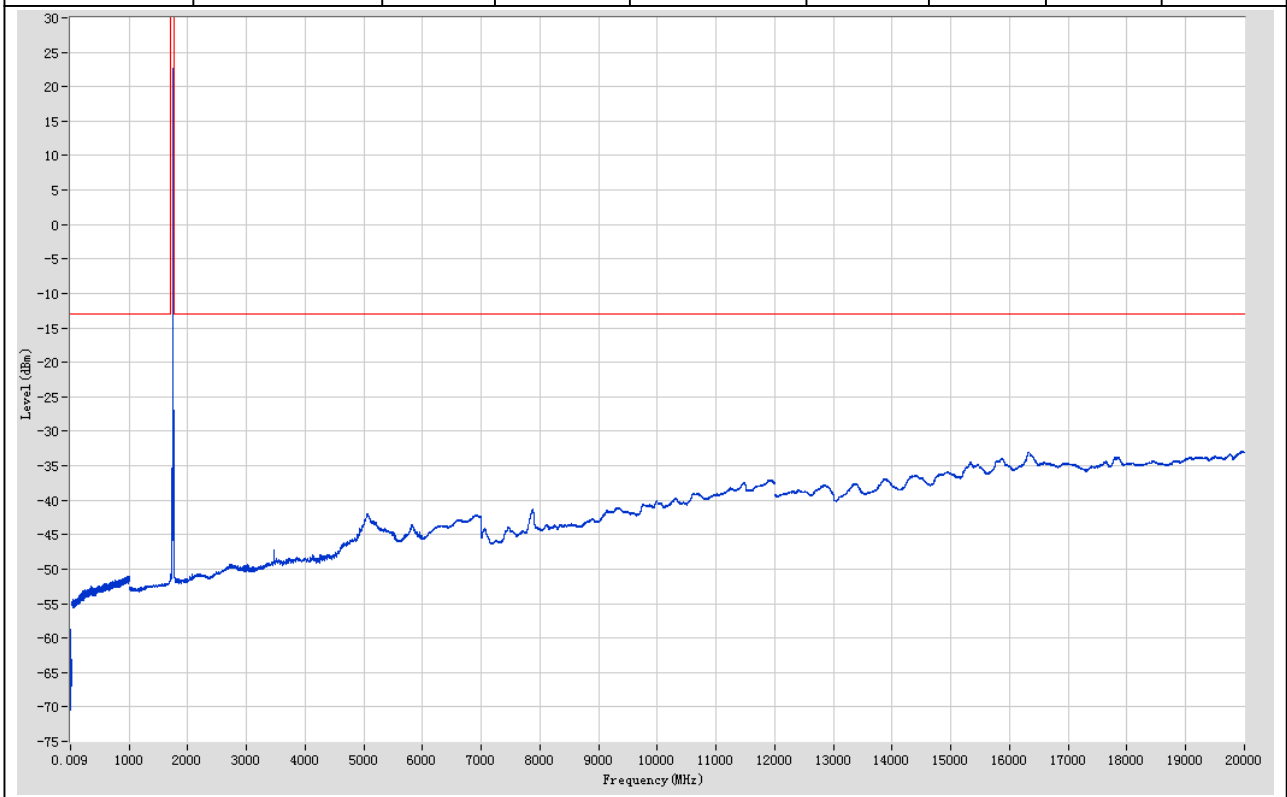
LTE Band 4 16-QAM 20 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.51	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.29	-13	Pass	2985
30	1000	0.1	RMS	975.497	-51.04	-13	Pass	9700
1000	1700	1	RMS	1697.997	-51.58	-13	Pass	700
1700	1765	1	RMS	1723.551	22.15	60	Pass	691
1765	3000	1	RMS	2752.8	-49.24	-13	Pass	1235
3000	12000	1	RMS	11934.993	-37.08	-13	Pass	9000
12000	20000	1	RMS	19950.994	-32.86	-13	Pass	8000



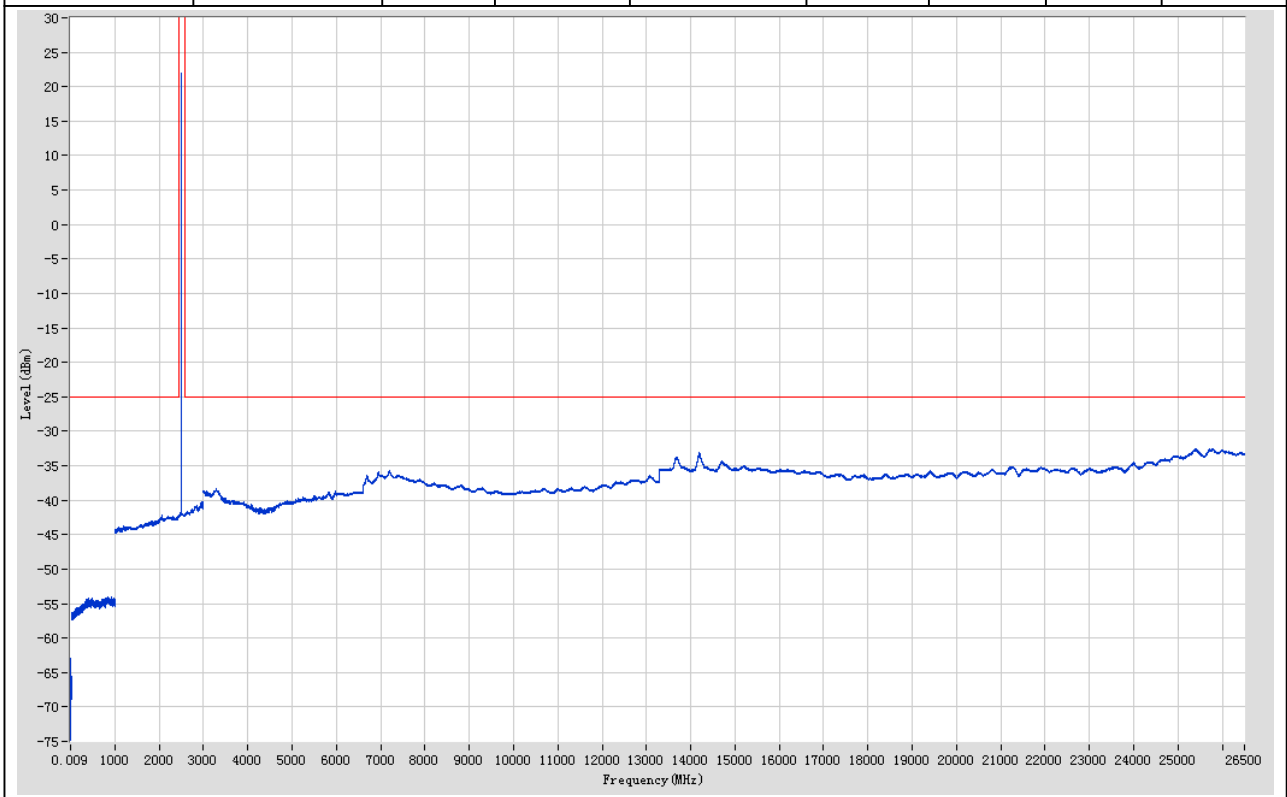
LTE Band 4 16-QAM 20 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.52	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.8	-13	Pass	2985
30	1000	0.1	RMS	996.6	-51.05	-13	Pass	9700
1000	1700	1	RMS	1700	-51.52	-13	Pass	700
1700	1765	1	RMS	1736.174	22.6	60	Pass	691
1765	3000	1	RMS	1771.005	-44.64	-13	Pass	1235
3000	12000	1	RMS	11936.993	-37.09	-13	Pass	9000
12000	20000	1	RMS	19951.994	-32.96	-13	Pass	8000



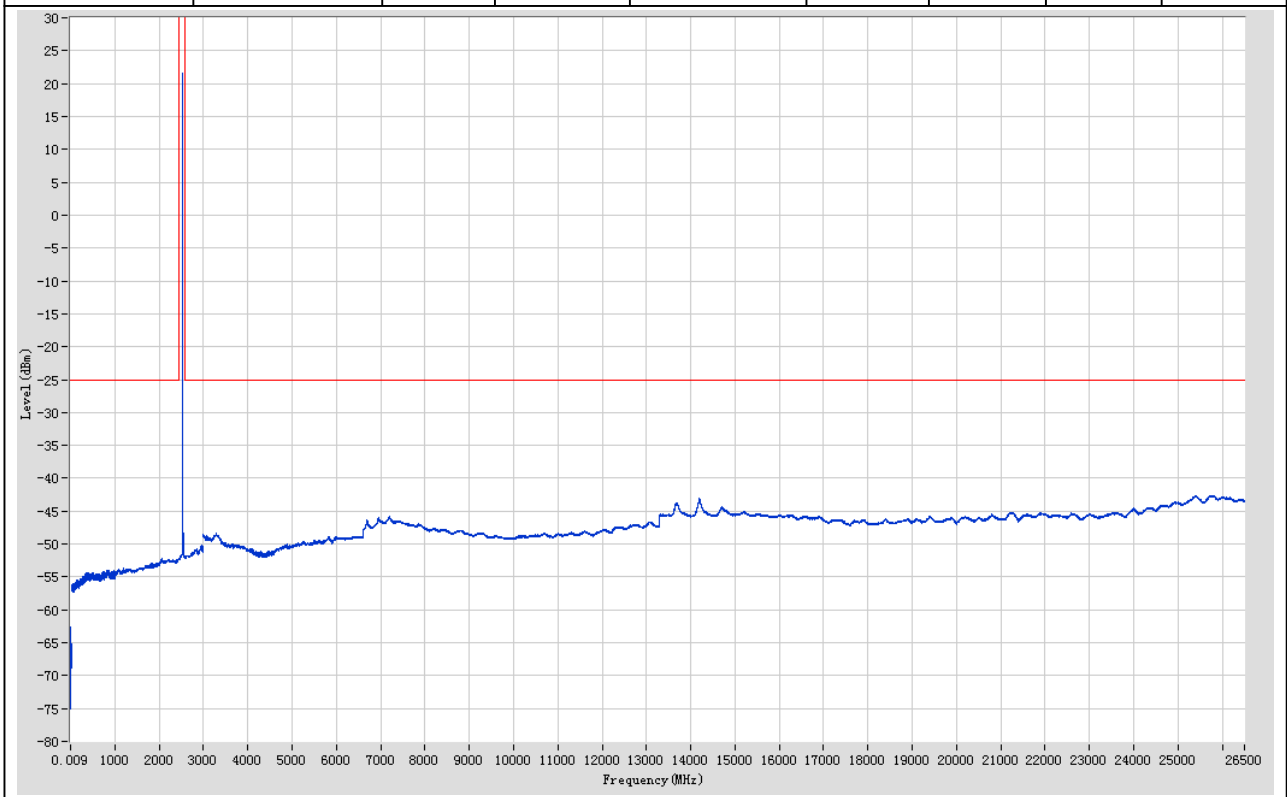
LTE Band 7 QPSK 5 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.38	-25	Pass	401
0.15	30	0.01	RMS	0.17	-63.01	-25	Pass	2985
30	1000	0.1	RMS	845.7	-54.06	-25	Pass	9699
1000	2445	1	RMS	2072.742	-42.23	-25	Pass	1445
2445	2580	1	RMS	2500.013	21.99	60	Pass	401
2580	3000	1	RMS	2955.895	-40.18	-25	Pass	420
3000	12000	1	RMS	7198.513	-35.75	-25	Pass	9000
12000	26500	1	RMS	25408.827	-32.52	-25	Pass	14500



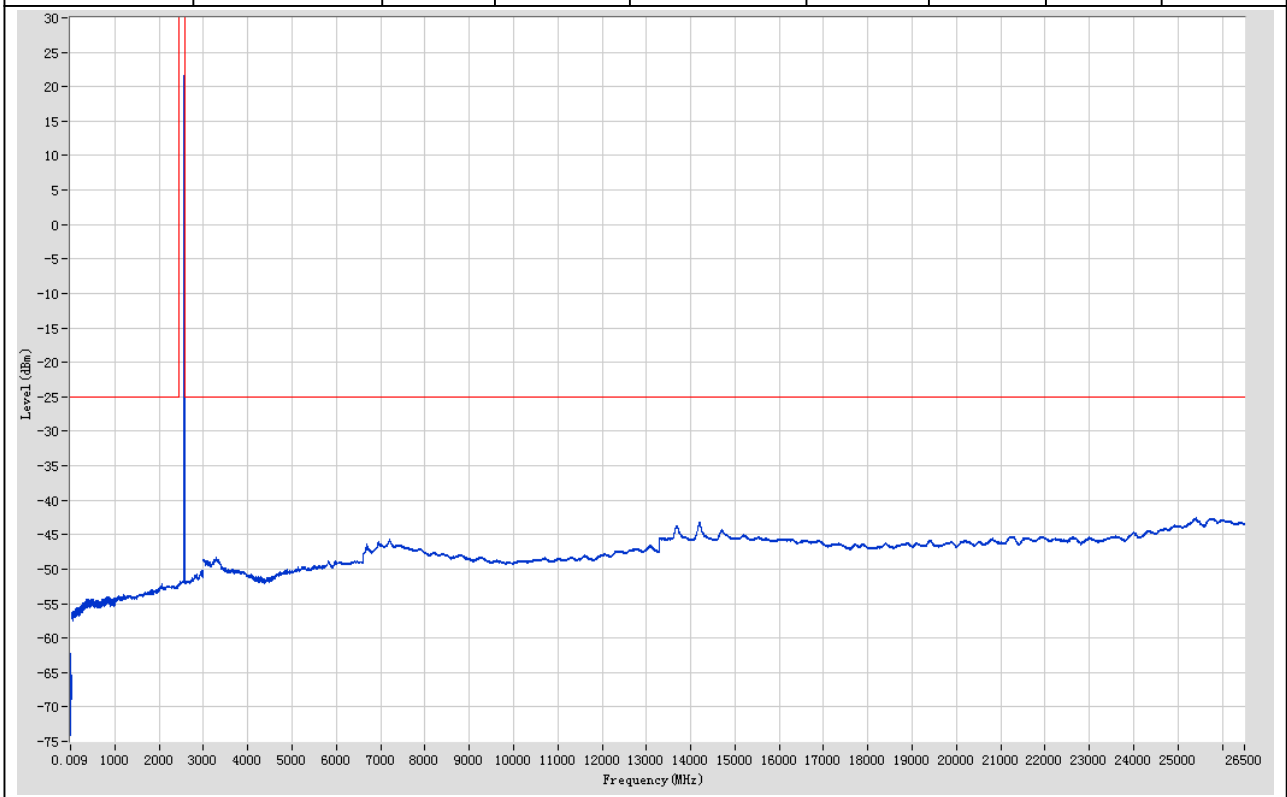
LTE Band 7 QPSK 5 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-63.94	-25	Pass	401
0.15	30	0.01	RMS	0.26	-62.6	-25	Pass	2985
30	1000	0.1	RMS	826.297	-53.92	-25	Pass	9699
1000	2445	1	RMS	2070.741	-52.15	-25	Pass	1445
2445	2580	1	RMS	2532.413	21.5	60	Pass	401
2580	3000	1	RMS	2954.893	-50.13	-25	Pass	420
3000	12000	1	RMS	7199.513	-45.72	-25	Pass	9000
12000	26500	1	RMS	25400.826	-42.58	-25	Pass	14500



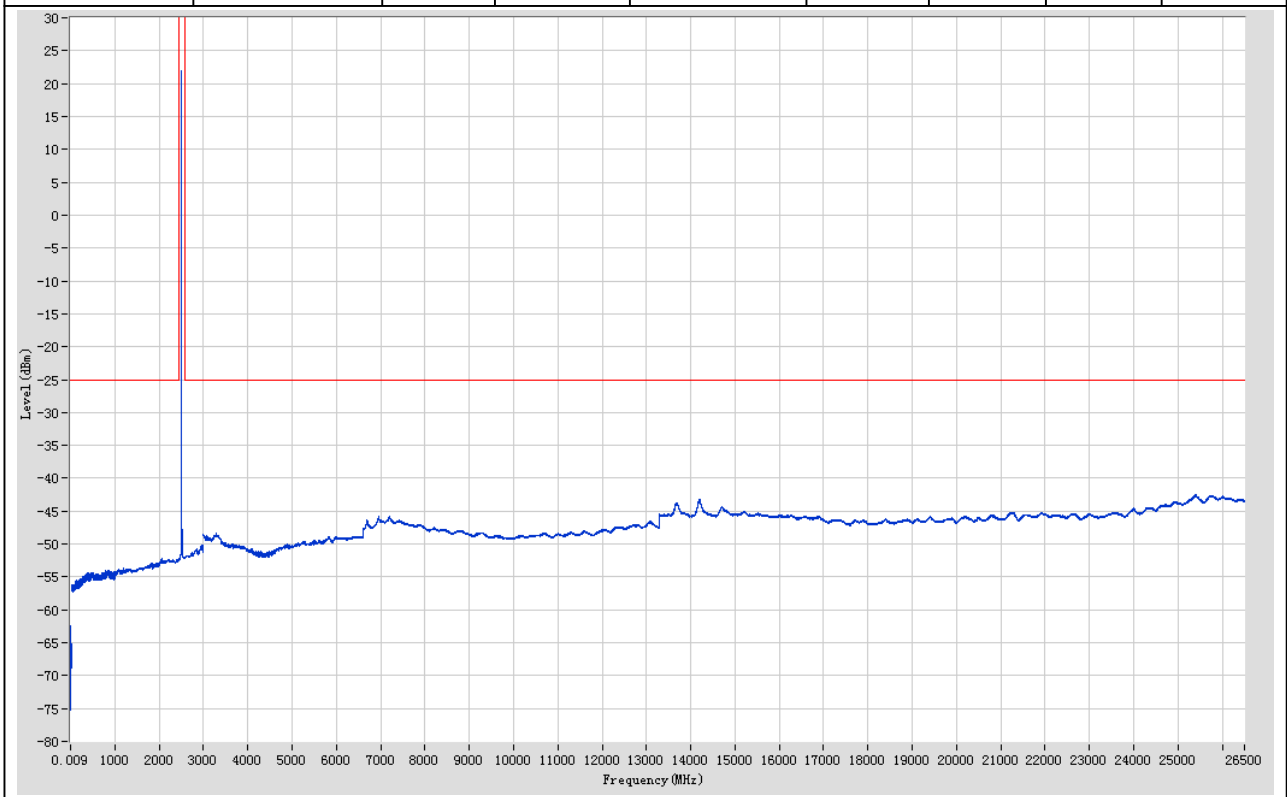
LTE Band 7 QPSK 5 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-64	-25	Pass	401
0.15	30	0.01	RMS	0.21	-62.32	-25	Pass	2985
30	1000	0.1	RMS	844.399	-54.03	-25	Pass	9699
1000	2445	1	RMS	2069.74	-52.17	-25	Pass	1445
2445	2580	1	RMS	2565.15	21.6	60	Pass	401
2580	3000	1	RMS	2954.893	-50.16	-25	Pass	420
3000	12000	1	RMS	7200.513	-45.71	-25	Pass	9000
12000	26500	1	RMS	25400.826	-42.58	-25	Pass	14500



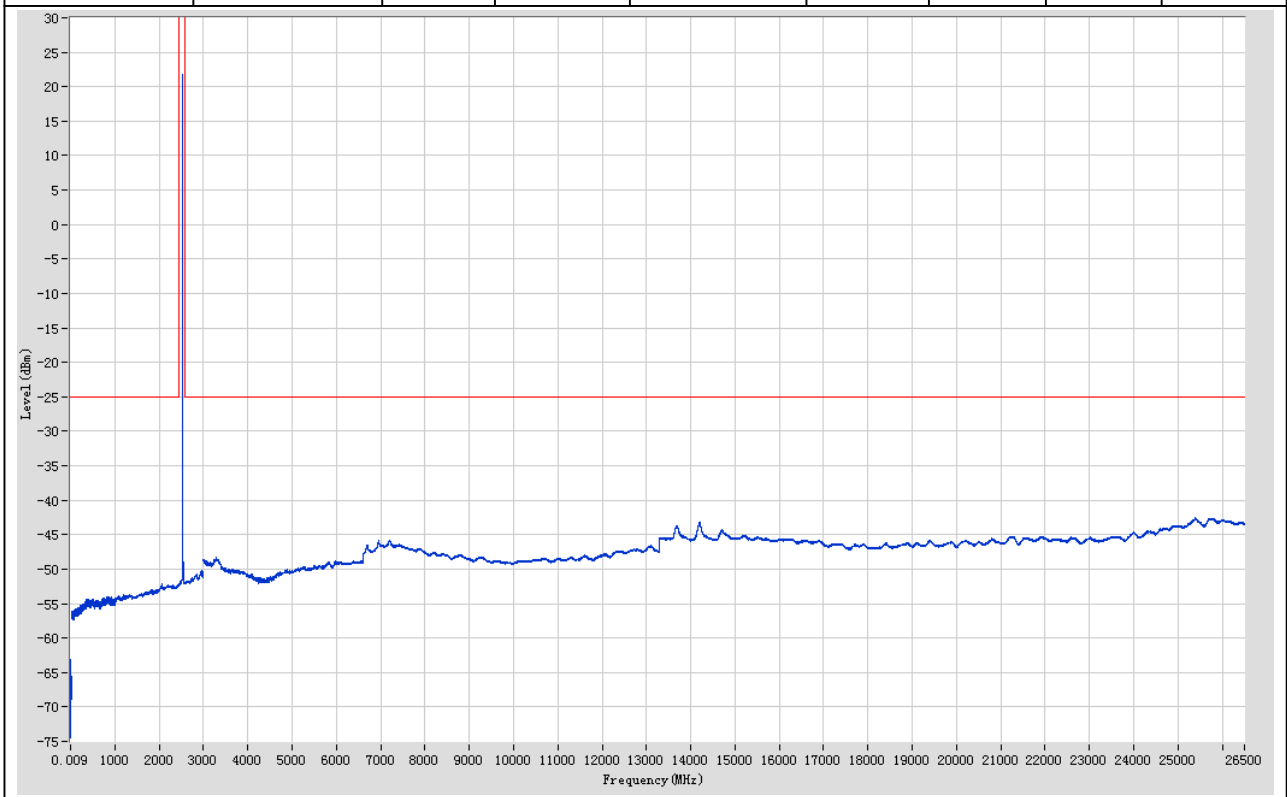
LTE Band 7 QPSK 10 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-65.15	-25	Pass	401
0.15	30	0.01	RMS	0.32	-62.5	-25	Pass	2985
30	1000	0.1	RMS	839.299	-53.96	-25	Pass	9699
1000	2445	1	RMS	2435.994	-52.17	-25	Pass	1445
2445	2580	1	RMS	2500.35	22.02	60	Pass	401
2580	3000	1	RMS	2955.895	-50.1	-25	Pass	420
3000	12000	1	RMS	7203.513	-45.77	-25	Pass	9000
12000	26500	1	RMS	25394.825	-42.5	-25	Pass	14500



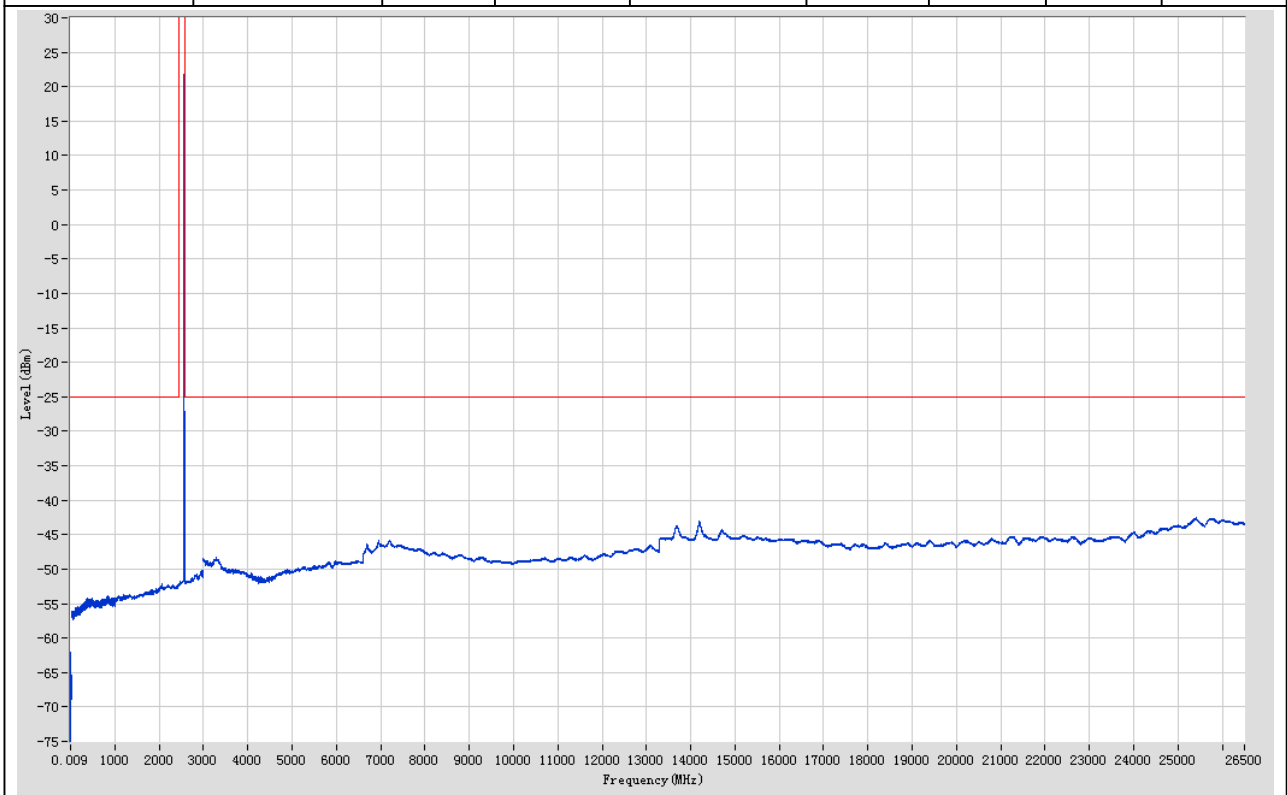
LTE Band 7 QPSK 10 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.4	-25	Pass	401
0.15	30	0.01	RMS	0.21	-63.11	-25	Pass	2985
30	1000	0.1	RMS	841.199	-54.01	-25	Pass	9699
1000	2445	1	RMS	2073.743	-52.17	-25	Pass	1445
2445	2580	1	RMS	2530.388	21.79	60	Pass	401
2580	3000	1	RMS	2956.897	-50.17	-25	Pass	420
3000	12000	1	RMS	7202.513	-45.81	-25	Pass	9000
12000	26500	1	RMS	25394.825	-42.52	-25	Pass	14500



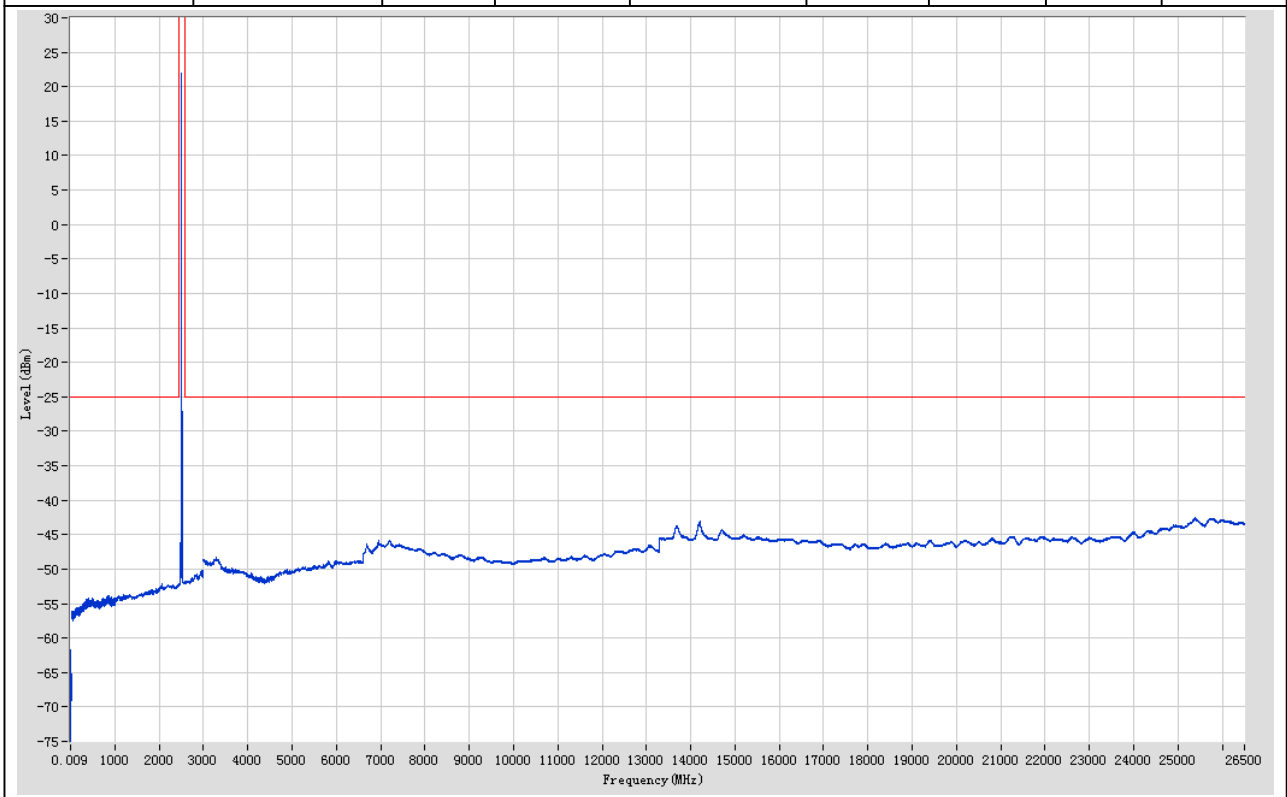
LTE Band 7 QPSK 10 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.39	-25	Pass	401
0.15	30	0.01	RMS	0.19	-62.05	-25	Pass	2985
30	1000	0.1	RMS	843.799	-53.82	-25	Pass	9699
1000	2445	1	RMS	2072.742	-52.14	-25	Pass	1445
2445	2580	1	RMS	2560.425	21.85	60	Pass	401
2580	3000	1	RMS	2954.893	-50.15	-25	Pass	420
3000	12000	1	RMS	7196.512	-45.77	-25	Pass	9000
12000	26500	1	RMS	25399.826	-42.56	-25	Pass	14500



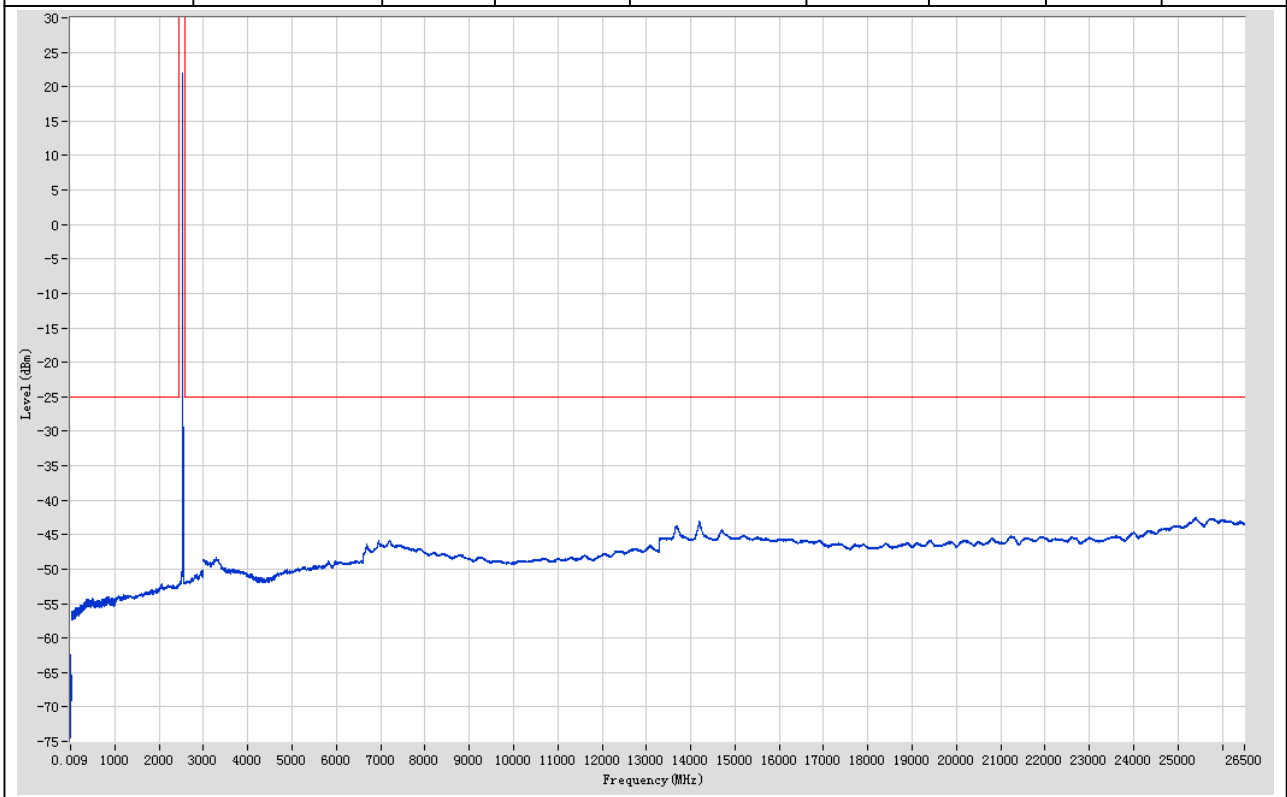
LTE Band 7 QPSK 15 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.73	-25	Pass	401
0.15	30	0.01	RMS	0.24	-61.74	-25	Pass	2985
30	1000	0.1	RMS	864.921	-53.88	-25	Pass	9699
1000	2445	1	RMS	2071.742	-52.12	-25	Pass	1445
2445	2580	1	RMS	2500.688	21.97	60	Pass	401
2580	3000	1	RMS	2955.895	-50.13	-25	Pass	420
3000	12000	1	RMS	7199.513	-45.79	-25	Pass	9000
12000	26500	1	RMS	25395.825	-42.57	-25	Pass	14500



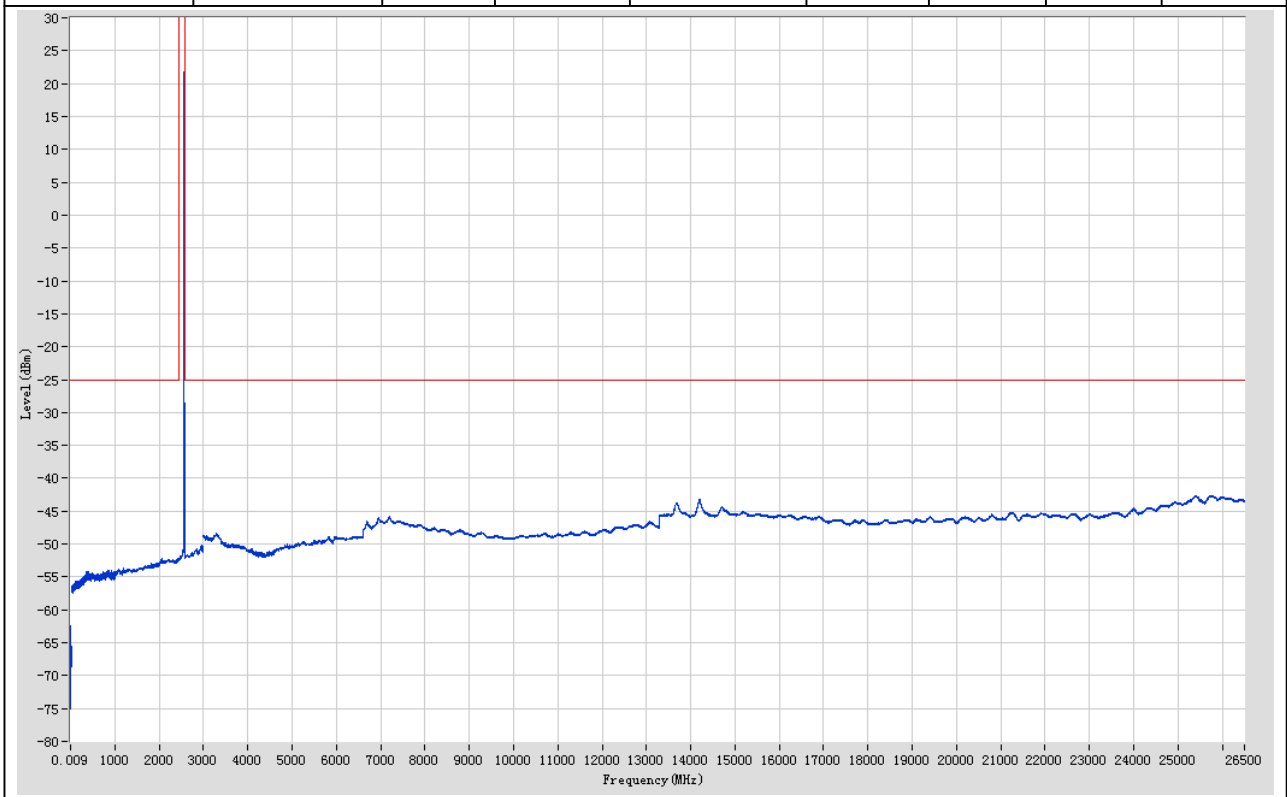
LTE Band 7 QPSK 15 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.14	-25	Pass	401
0.15	30	0.01	RMS	0.17	-62.4	-25	Pass	2985
30	1000	0.1	RMS	849.801	-54.02	-25	Pass	9699
1000	2445	1	RMS	2072.742	-52.18	-25	Pass	1445
2445	2580	1	RMS	2528.025	22	60	Pass	401
2580	3000	1	RMS	2954.893	-50.16	-25	Pass	420
3000	12000	1	RMS	7206.513	-45.78	-25	Pass	9000
12000	26500	1	RMS	25396.825	-42.56	-25	Pass	14500



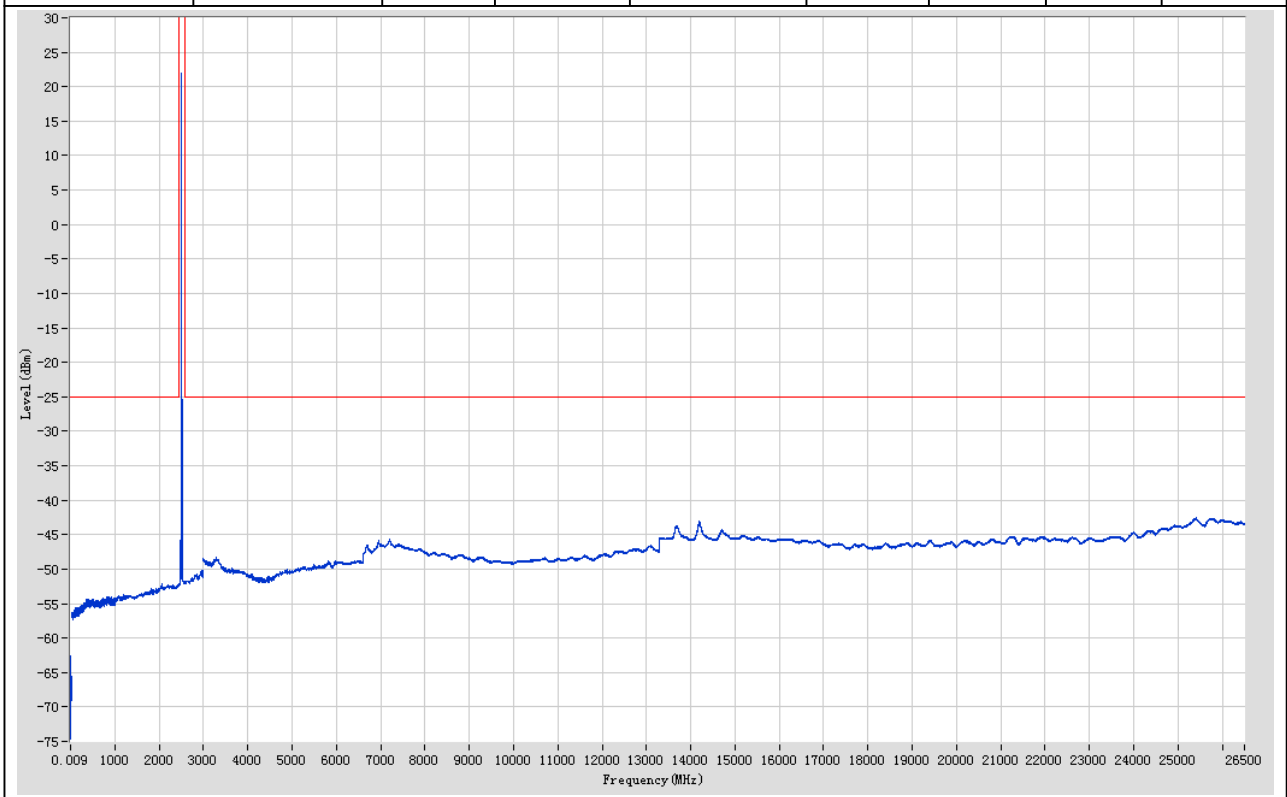
LTE Band 7 QPSK 15 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-64.37	-25	Pass	401
0.15	30	0.01	RMS	0.19	-62.36	-25	Pass	2985
30	1000	0.1	RMS	865.622	-53.97	-25	Pass	9699
1000	2445	1	RMS	2434.993	-52.14	-25	Pass	1445
2445	2580	1	RMS	2555.7	21.76	60	Pass	401
2580	3000	1	RMS	2582.005	-49.31	-25	Pass	420
3000	12000	1	RMS	7196.512	-45.82	-25	Pass	9000
12000	26500	1	RMS	25395.825	-42.59	-25	Pass	14500



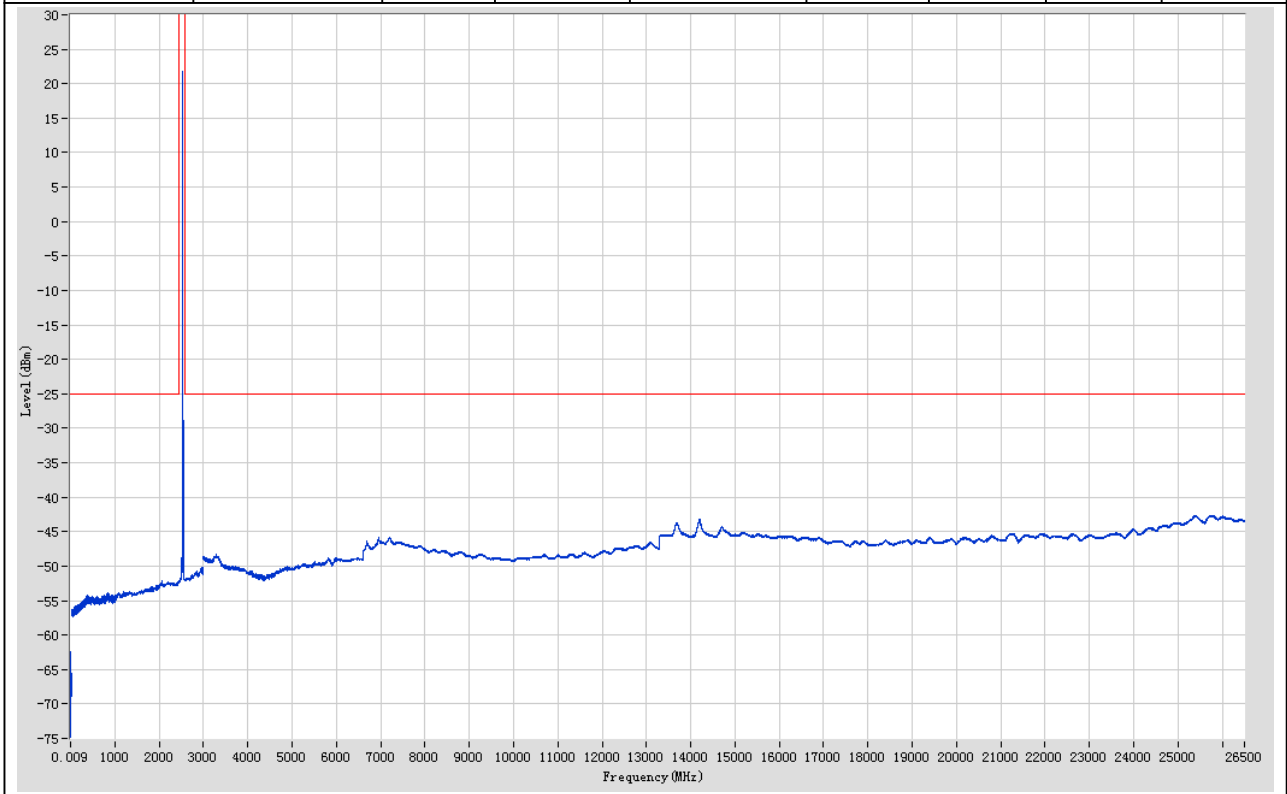
LTE Band 7 QPSK 20 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-64.62	-25	Pass	401
0.15	30	0.01	RMS	0.18	-62.63	-25	Pass	2985
30	1000	0.1	RMS	863.319	-54.02	-25	Pass	9699
1000	2445	1	RMS	2073.743	-52.15	-25	Pass	1445
2445	2580	1	RMS	2500.688	22.01	60	Pass	401
2580	3000	1	RMS	2955.895	-50.16	-25	Pass	420
3000	12000	1	RMS	7201.513	-45.7	-25	Pass	9000
12000	26500	1	RMS	25401.826	-42.57	-25	Pass	14500



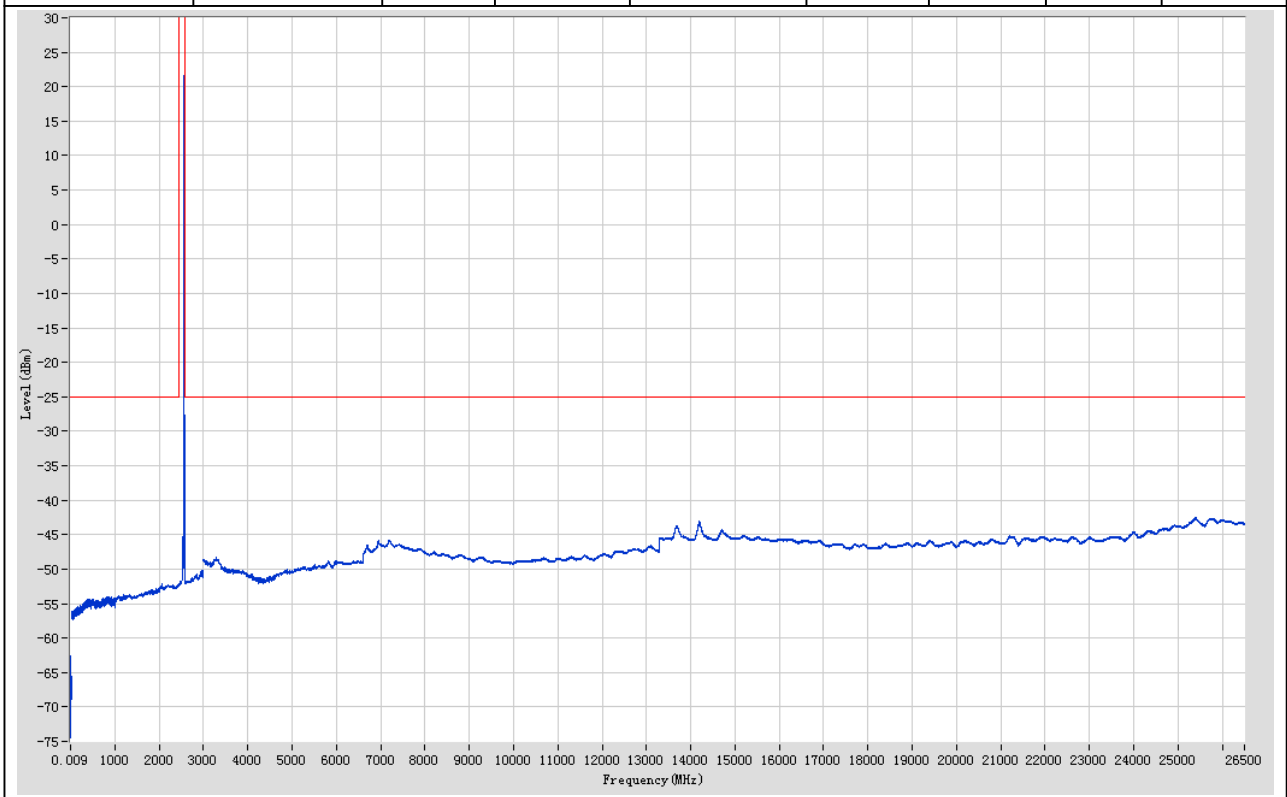
LTE Band 7 QPSK 20 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-64.47	-25	Pass	401
0.15	30	0.01	RMS	0.19	-62.43	-25	Pass	2985
30	1000	0.1	RMS	844.899	-53.94	-25	Pass	9699
1000	2445	1	RMS	2073.743	-52.14	-25	Pass	1445
2445	2580	1	RMS	2525.663	21.72	60	Pass	401
2580	3000	1	RMS	2955.895	-50.17	-25	Pass	420
3000	12000	1	RMS	7203.513	-45.8	-25	Pass	9000
12000	26500	1	RMS	25393.825	-42.6	-25	Pass	14500



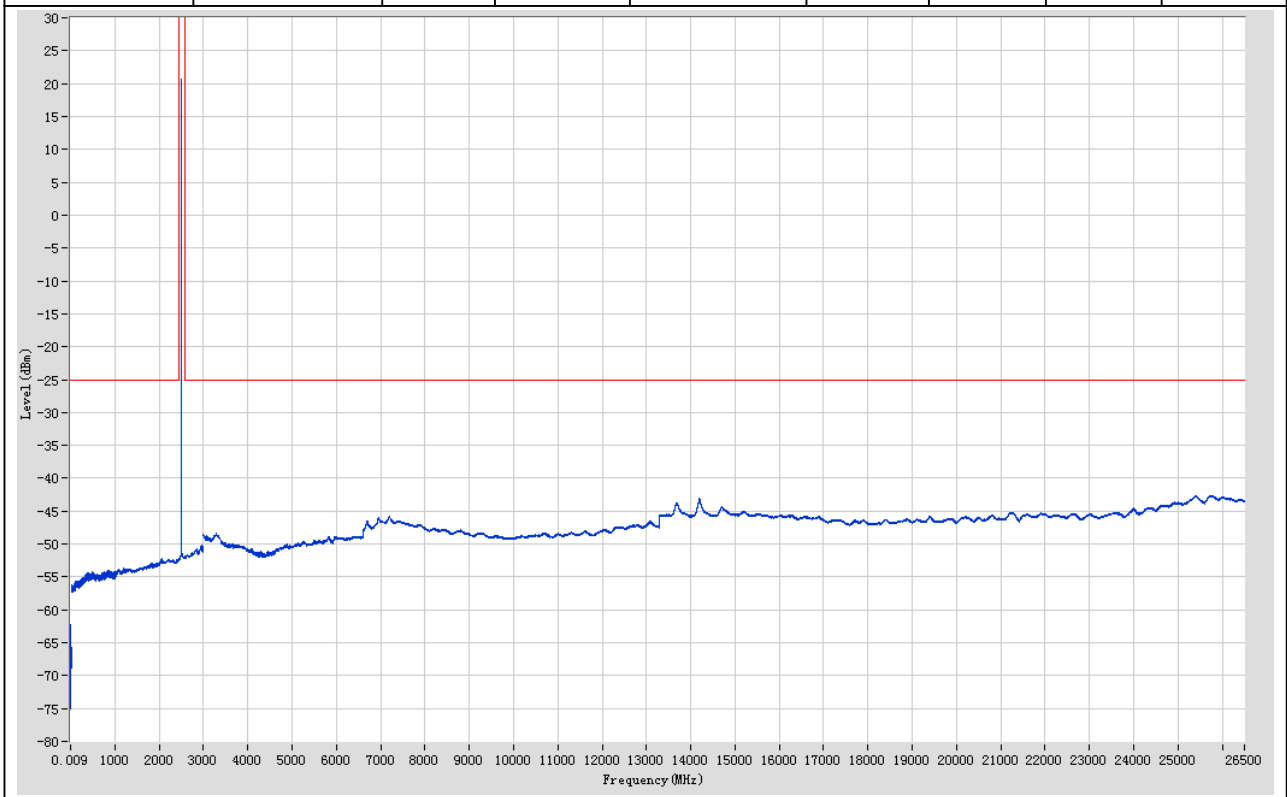
LTE Band 7 QPSK 20 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.54	-25	Pass	401
0.15	30	0.01	RMS	0.17	-62.61	-25	Pass	2985
30	1000	0.1	RMS	840.599	-53.99	-25	Pass	9699
1000	2445	1	RMS	2069.74	-52.12	-25	Pass	1445
2445	2580	1	RMS	2550.975	21.7	60	Pass	401
2580	3000	1	RMS	2586.014	-49.06	-25	Pass	420
3000	12000	1	RMS	7202.513	-45.78	-25	Pass	9000
12000	26500	1	RMS	25399.826	-42.56	-25	Pass	14500



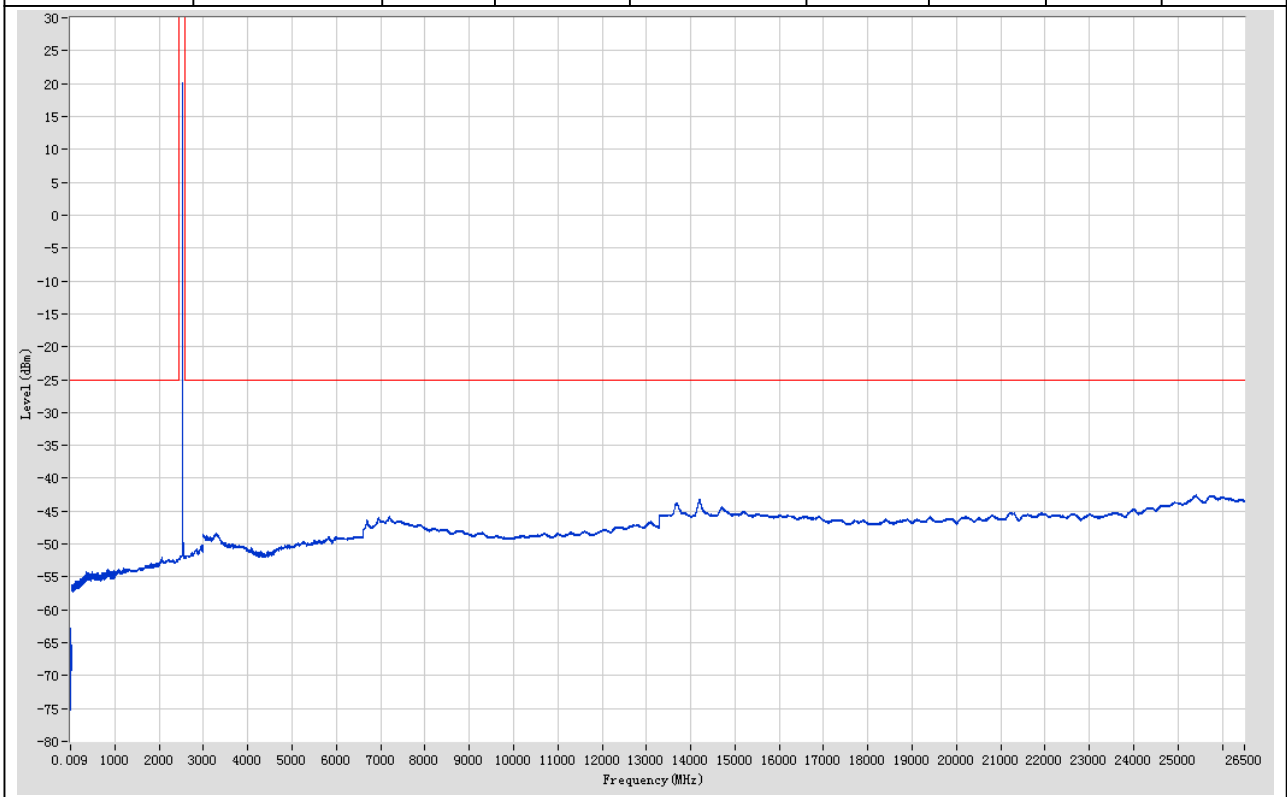
LTE Band 7 16-QAM 5 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.06	-25	Pass	401
0.15	30	0.01	RMS	0.19	-62.17	-25	Pass	2985
30	1000	0.1	RMS	841.599	-53.97	-25	Pass	9699
1000	2445	1	RMS	2071.742	-52.19	-25	Pass	1445
2445	2580	1	RMS	2500.013	20.75	60	Pass	401
2580	3000	1	RMS	2956.897	-50.2	-25	Pass	420
3000	12000	1	RMS	7200.513	-45.8	-25	Pass	9000
12000	26500	1	RMS	25403.826	-42.57	-25	Pass	14500



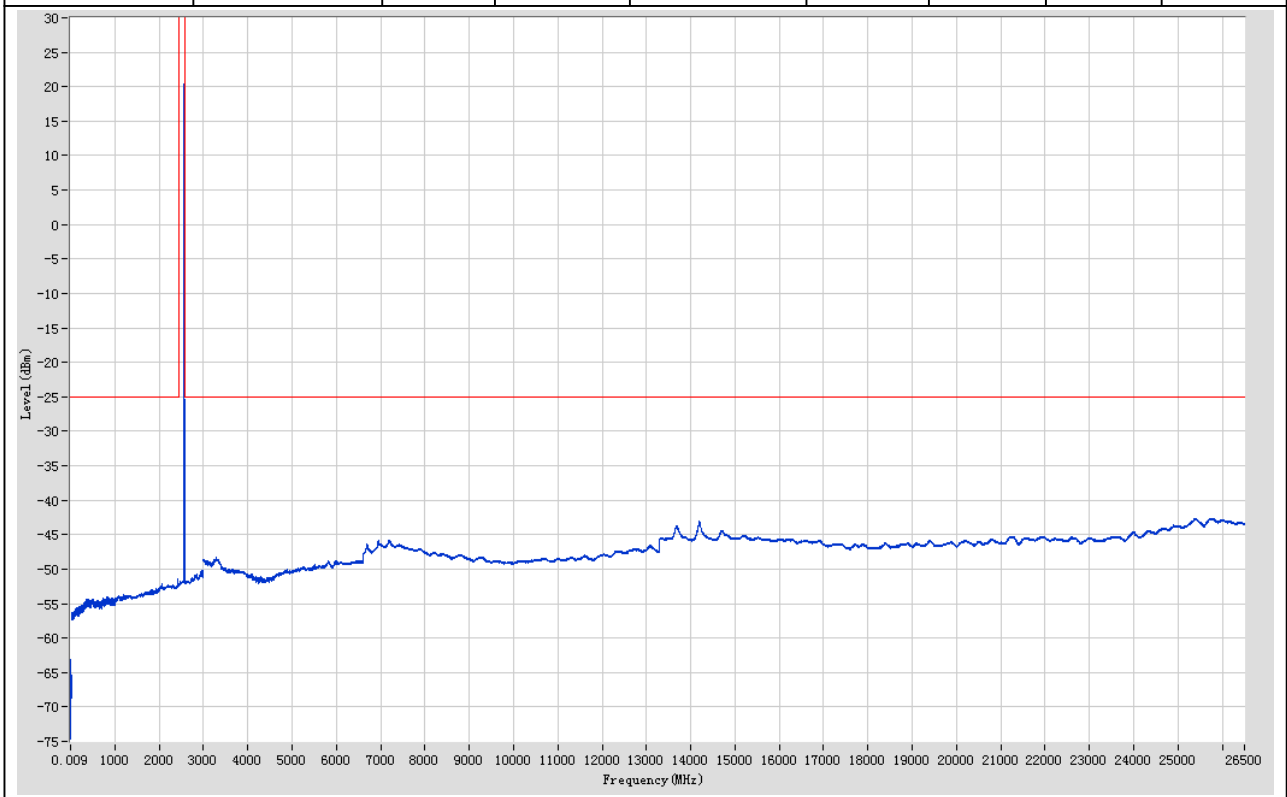
LTE Band 7 16-QAM 5 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.54	-25	Pass	401
0.15	30	0.01	RMS	0.15	-62.78	-25	Pass	2985
30	1000	0.1	RMS	843.299	-53.81	-25	Pass	9699
1000	2445	1	RMS	2071.742	-52.07	-25	Pass	1445
2445	2580	1	RMS	2532.413	20.03	60	Pass	401
2580	3000	1	RMS	2955.895	-50.17	-25	Pass	420
3000	12000	1	RMS	7205.513	-45.74	-25	Pass	9000
12000	26500	1	RMS	25401.826	-42.55	-25	Pass	14500



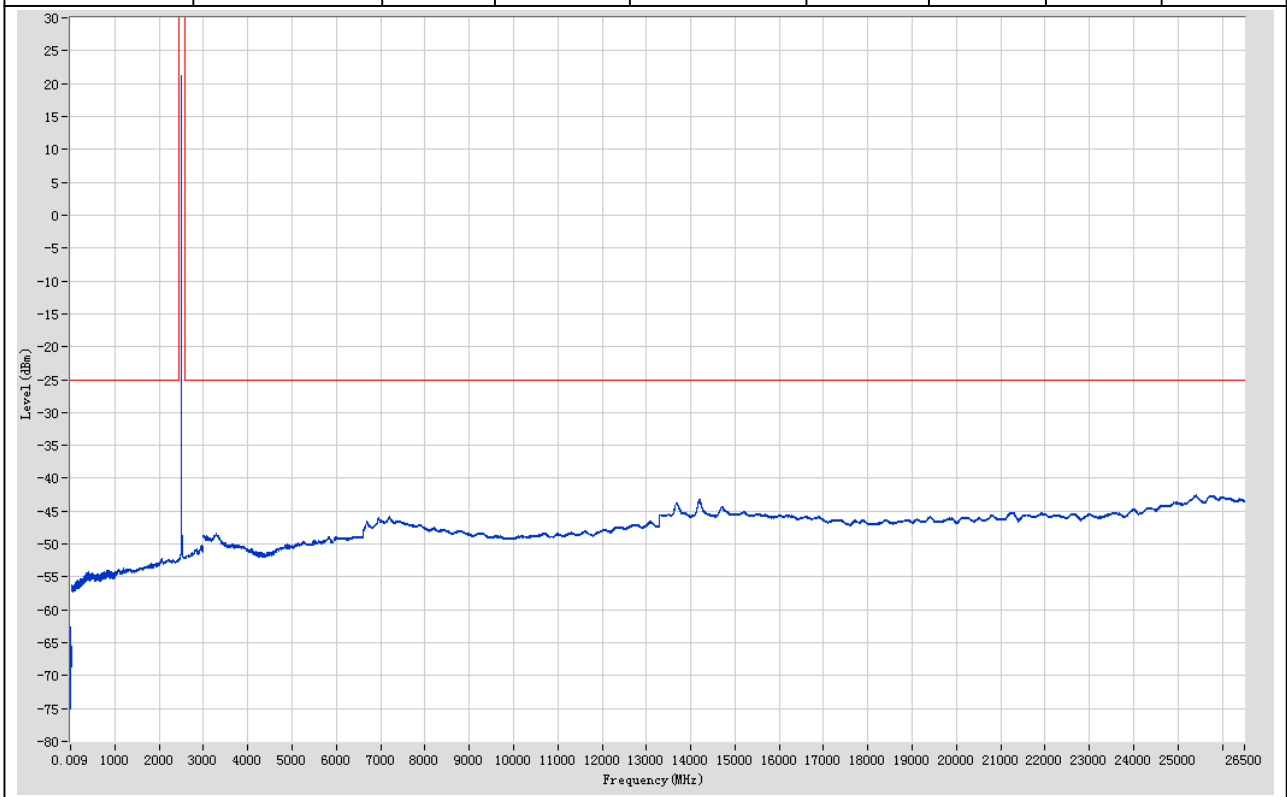
LTE Band 7 16-QAM 5 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.02	-25	Pass	401
0.15	30	0.01	RMS	0.18	-63.06	-25	Pass	2985
30	1000	0.1	RMS	849.4	-54	-25	Pass	9699
1000	2445	1	RMS	2409.976	-51.43	-25	Pass	1445
2445	2580	1	RMS	2565.15	20.48	60	Pass	401
2580	3000	1	RMS	2954.893	-50.16	-25	Pass	420
3000	12000	1	RMS	7201.513	-45.75	-25	Pass	9000
12000	26500	1	RMS	25399.826	-42.62	-25	Pass	14500



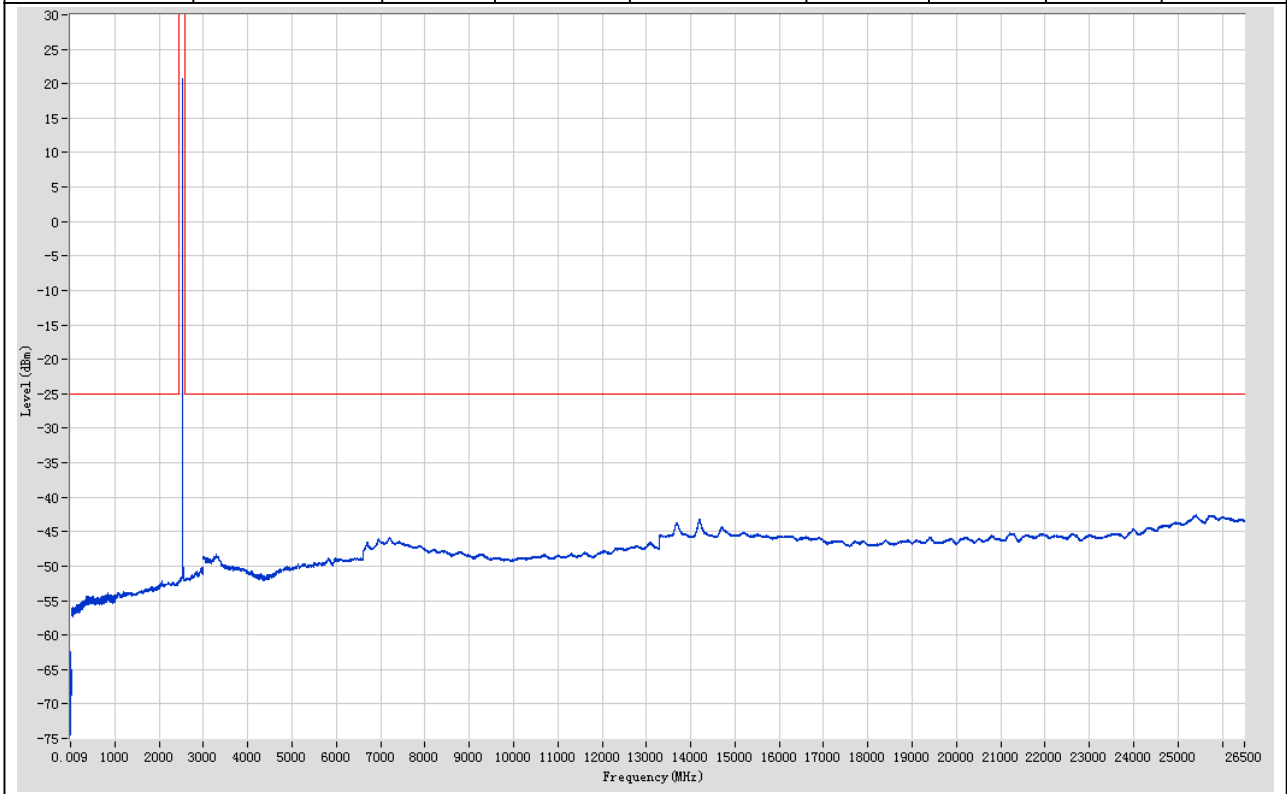
LTE Band 7 16-QAM 10 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.61	-25	Pass	401
0.15	30	0.01	RMS	0.15	-62.64	-25	Pass	2985
30	1000	0.1	RMS	827.597	-53.97	-25	Pass	9699
1000	2445	1	RMS	2070.741	-52.1	-25	Pass	1445
2445	2580	1	RMS	2500.35	21.18	60	Pass	401
2580	3000	1	RMS	2954.893	-50.16	-25	Pass	420
3000	12000	1	RMS	7201.513	-45.8	-25	Pass	9000
12000	26500	1	RMS	25400.826	-42.54	-25	Pass	14500



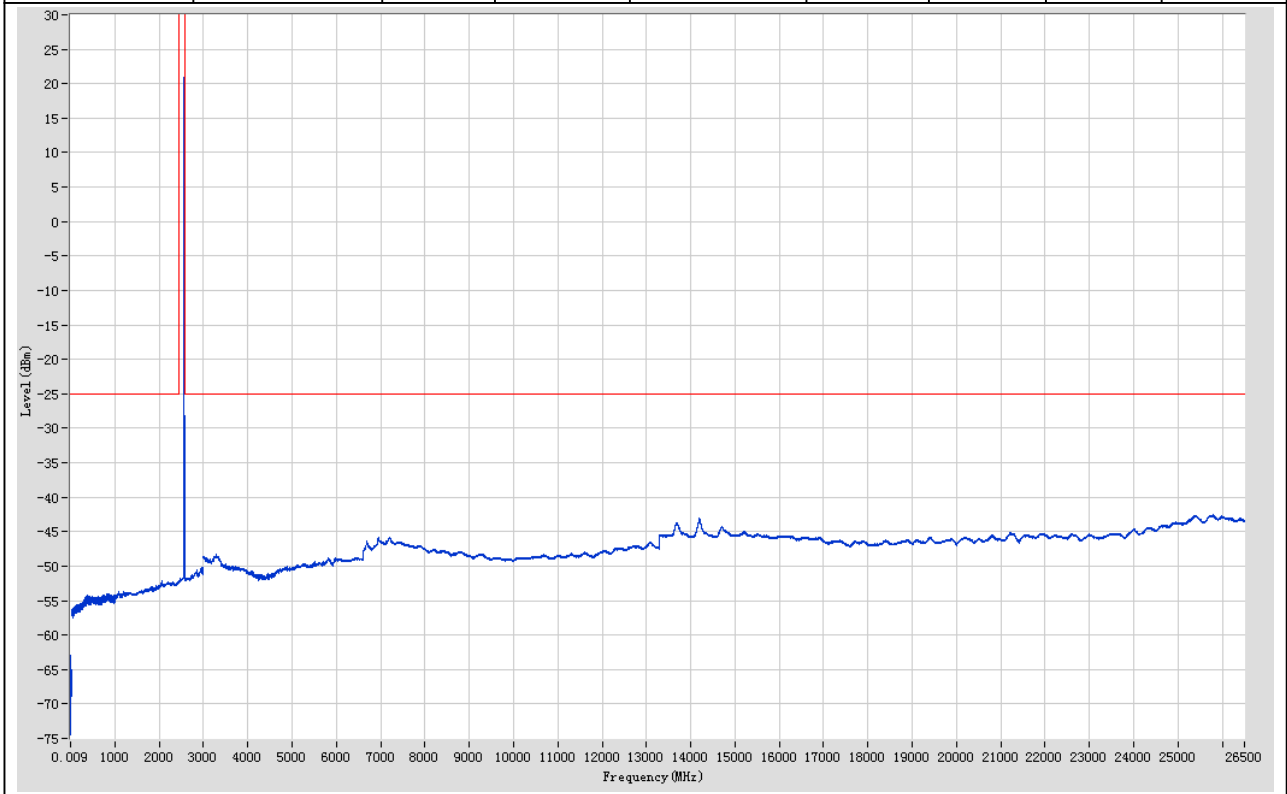
LTE Band 7 16-QAM 10 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.43	-25	Pass	401
0.15	30	0.01	RMS	0.17	-62.47	-25	Pass	2985
30	1000	0.1	RMS	840.999	-53.84	-25	Pass	9699
1000	2445	1	RMS	2070.741	-52.18	-25	Pass	1445
2445	2580	1	RMS	2530.388	20.71	60	Pass	401
2580	3000	1	RMS	2953.89	-50.18	-25	Pass	420
3000	12000	1	RMS	7197.512	-45.8	-25	Pass	9000
12000	26500	1	RMS	25400.826	-42.58	-25	Pass	14500



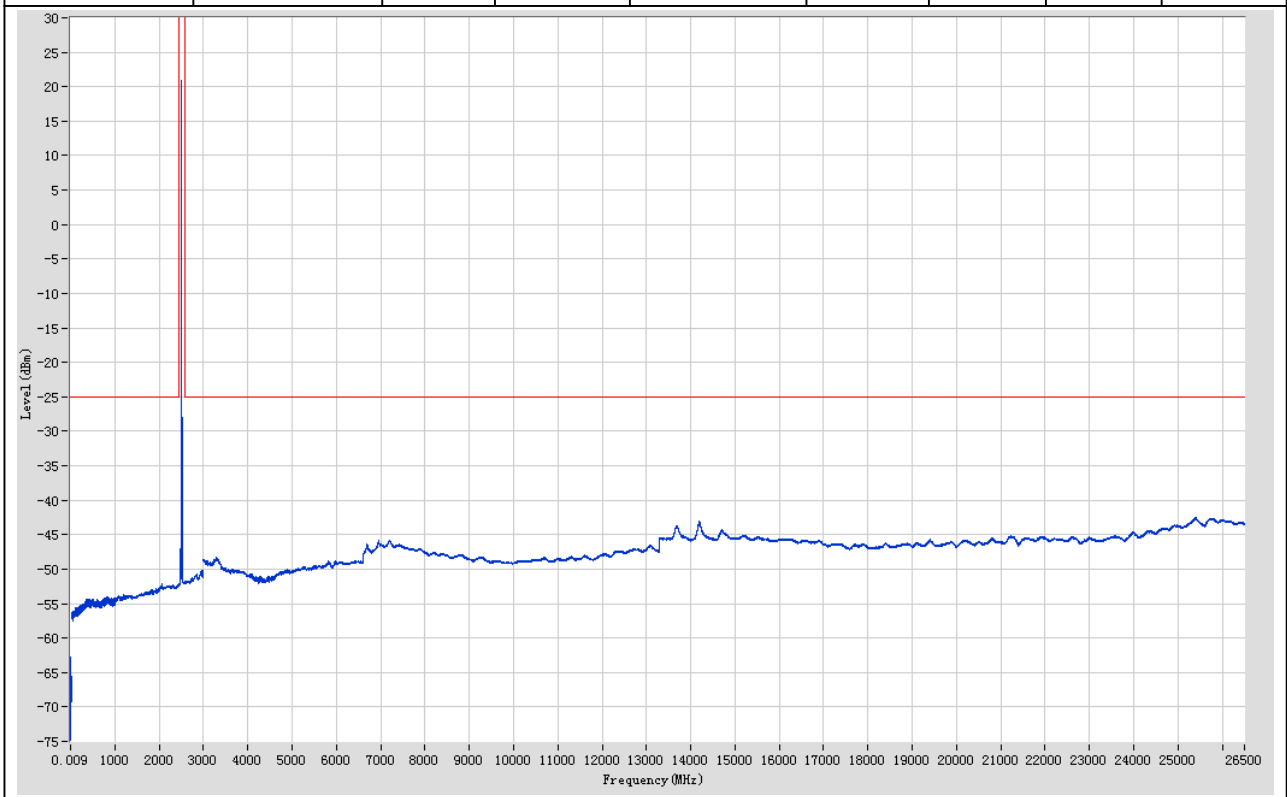
LTE Band 7 16-QAM 10 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-63.96	-25	Pass	401
0.15	30	0.01	RMS	0.18	-62.95	-25	Pass	2985
30	1000	0.1	RMS	838.599	-54.02	-25	Pass	9699
1000	2445	1	RMS	2070.741	-52.13	-25	Pass	1445
2445	2580	1	RMS	2560.425	20.84	60	Pass	401
2580	3000	1	RMS	2955.895	-50.14	-25	Pass	420
3000	12000	1	RMS	7200.513	-45.76	-25	Pass	9000
12000	26500	1	RMS	25789.887	-42.57	-25	Pass	14500



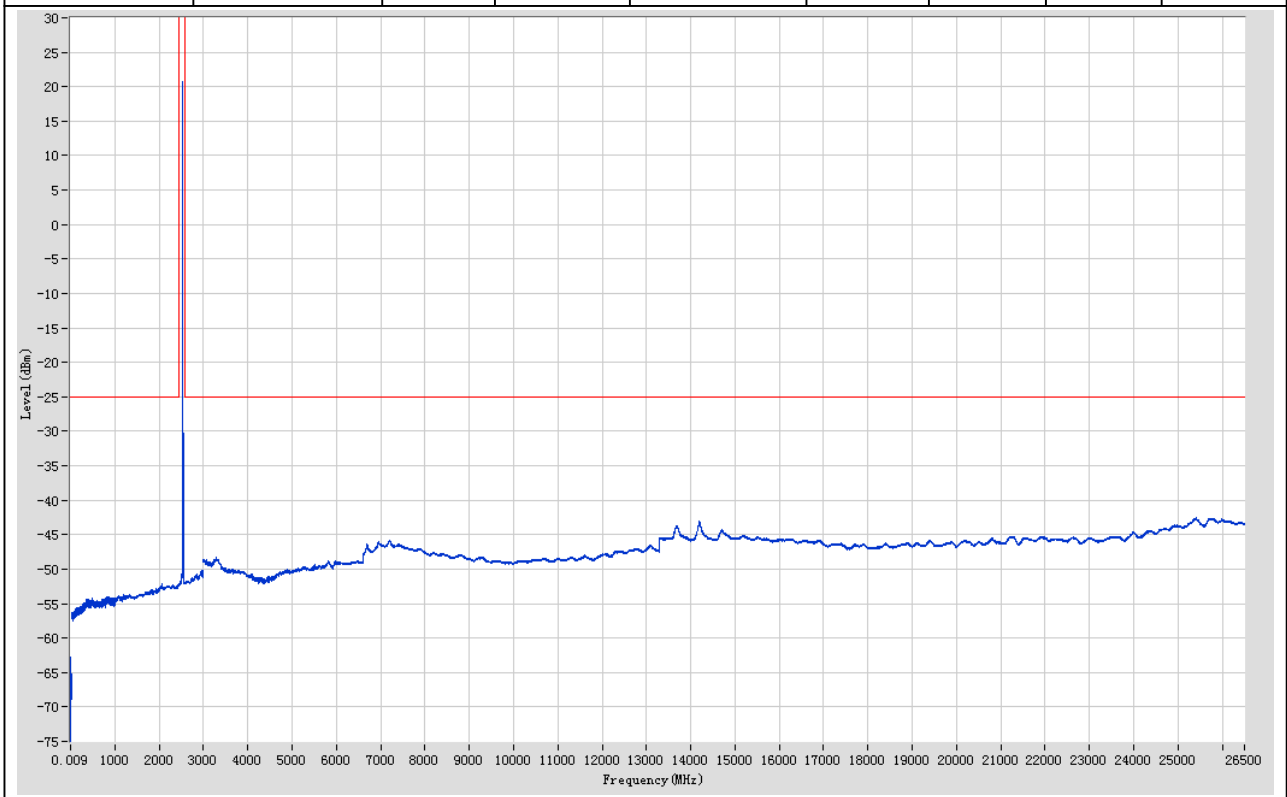
LTE Band 7 16-QAM 15 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.4	-25	Pass	401
0.15	30	0.01	RMS	0.15	-62.75	-25	Pass	2985
30	1000	0.1	RMS	843.199	-53.98	-25	Pass	9699
1000	2445	1	RMS	2433.992	-52.16	-25	Pass	1445
2445	2580	1	RMS	2500.688	20.99	60	Pass	401
2580	3000	1	RMS	2956.897	-50.17	-25	Pass	420
3000	12000	1	RMS	7202.513	-45.76	-25	Pass	9000
12000	26500	1	RMS	25398.825	-42.52	-25	Pass	14500



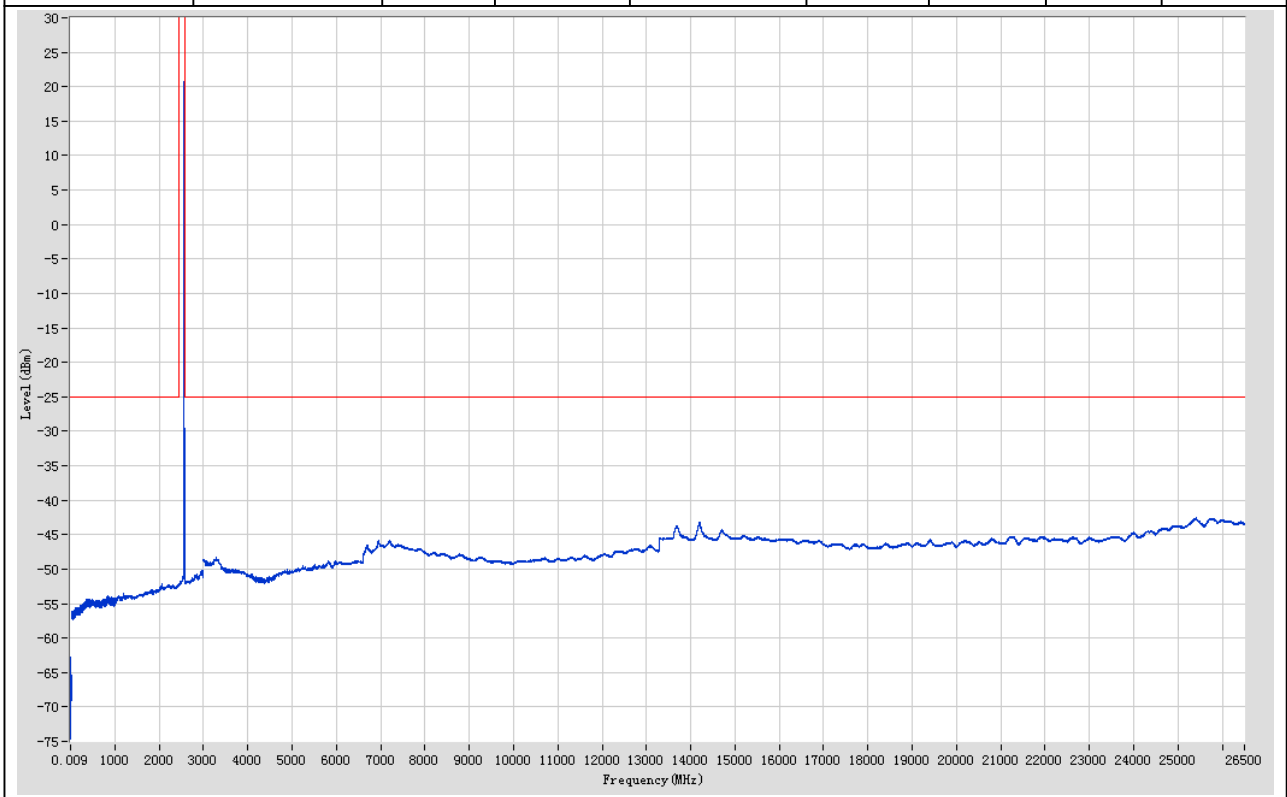
LTE Band 7 16-QAM 15 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-64.47	-25	Pass	401
0.15	30	0.01	RMS	0.22	-62.71	-25	Pass	2985
30	1000	0.1	RMS	847.6	-53.99	-25	Pass	9699
1000	2445	1	RMS	2070.741	-52.08	-25	Pass	1445
2445	2580	1	RMS	2528.025	20.8	60	Pass	401
2580	3000	1	RMS	2955.895	-50.11	-25	Pass	420
3000	12000	1	RMS	7200.513	-45.77	-25	Pass	9000
12000	26500	1	RMS	25410.827	-42.58	-25	Pass	14500



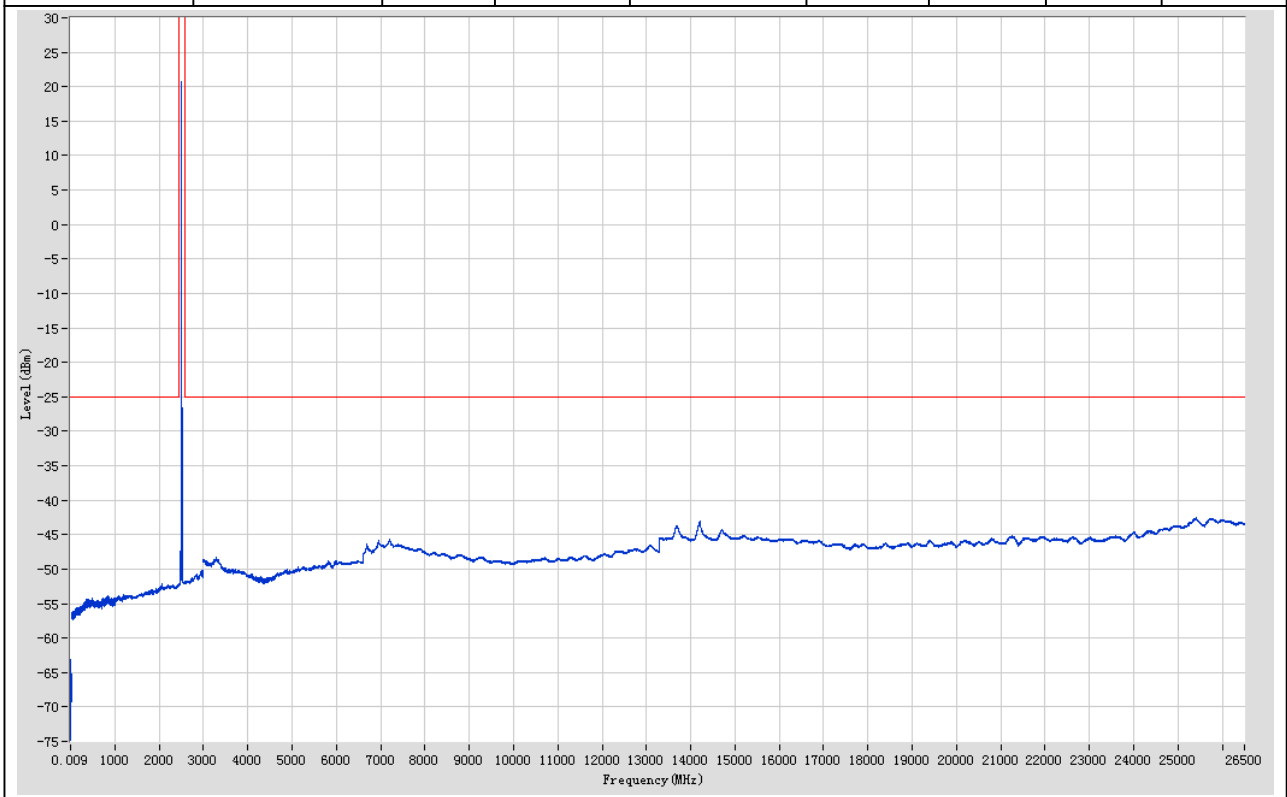
LTE Band 7 16-QAM 15 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-63.97	-25	Pass	401
0.15	30	0.01	RMS	0.16	-62.83	-25	Pass	2985
30	1000	0.1	RMS	828.998	-53.86	-25	Pass	9699
1000	2445	1	RMS	2070.741	-52.14	-25	Pass	1445
2445	2580	1	RMS	2555.7	20.75	60	Pass	401
2580	3000	1	RMS	2582.005	-49.9	-25	Pass	420
3000	12000	1	RMS	7200.513	-45.77	-25	Pass	9000
12000	26500	1	RMS	25402.826	-42.57	-25	Pass	14500



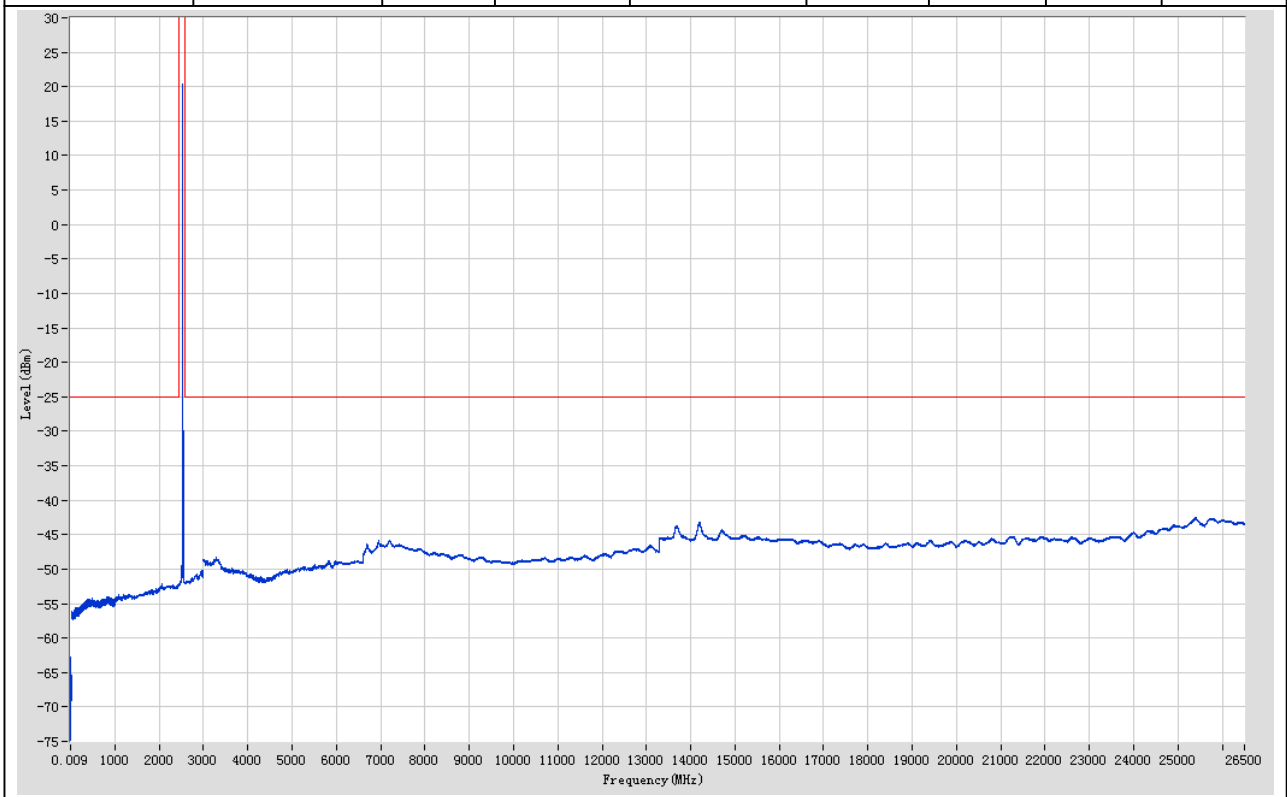
LTE Band 7 16-QAM 20 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.011	-65.11	-25	Pass	401
0.15	30	0.01	RMS	0.19	-63.06	-25	Pass	2985
30	1000	0.1	RMS	843.899	-53.95	-25	Pass	9699
1000	2445	1	RMS	2070.741	-52.15	-25	Pass	1445
2445	2580	1	RMS	2500.688	20.81	60	Pass	401
2580	3000	1	RMS	2955.895	-50.2	-25	Pass	420
3000	12000	1	RMS	7199.513	-45.73	-25	Pass	9000
12000	26500	1	RMS	25400.826	-42.54	-25	Pass	14500



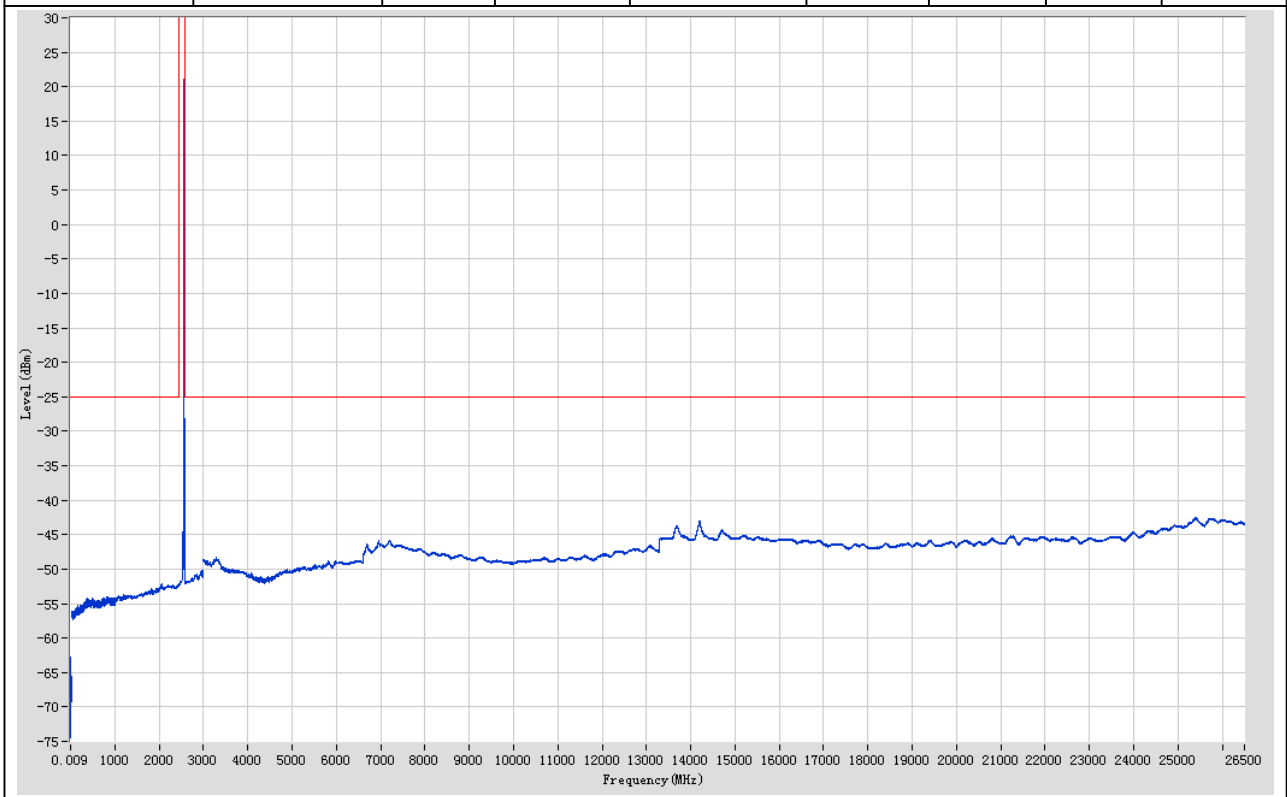
LTE Band 7 16-QAM 20 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.011	-64.07	-25	Pass	401
0.15	30	0.01	RMS	0.18	-62.73	-25	Pass	2985
30	1000	0.1	RMS	833.898	-53.97	-25	Pass	9699
1000	2445	1	RMS	2071.742	-52.15	-25	Pass	1445
2445	2580	1	RMS	2525.663	20.4	60	Pass	401
2580	3000	1	RMS	2955.895	-50.13	-25	Pass	420
3000	12000	1	RMS	7205.513	-45.76	-25	Pass	9000
12000	26500	1	RMS	25397.825	-42.54	-25	Pass	14500



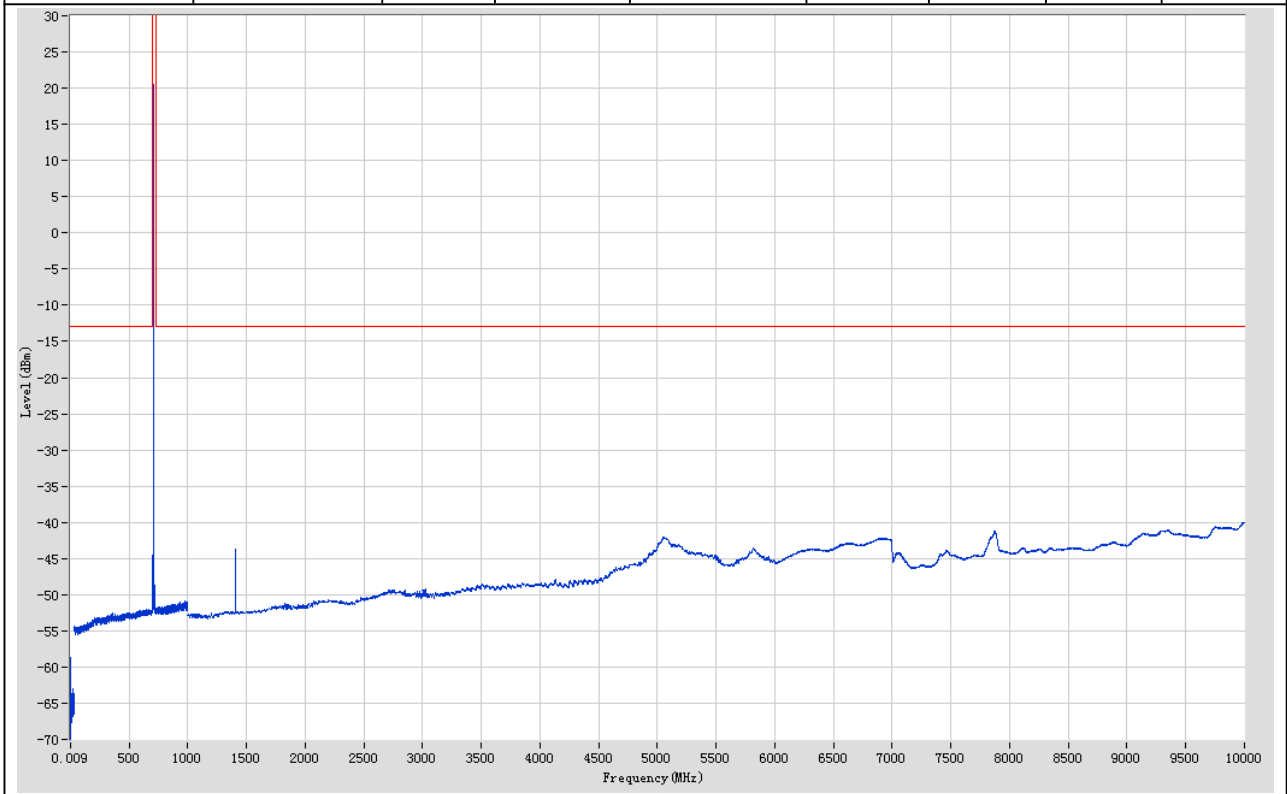
LTE Band 7 16-QAM 20 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-64.47	-25	Pass	401
0.15	30	0.01	RMS	0.35	-62.71	-25	Pass	2985
30	1000	0.1	RMS	842.299	-54.04	-25	Pass	9699
1000	2445	1	RMS	2070.741	-52.19	-25	Pass	1445
2445	2580	1	RMS	2550.975	21.01	60	Pass	401
2580	3000	1	RMS	2586.014	-49.42	-25	Pass	420
3000	12000	1	RMS	7194.512	-45.77	-25	Pass	9000
12000	26500	1	RMS	25403.826	-42.5	-25	Pass	14500



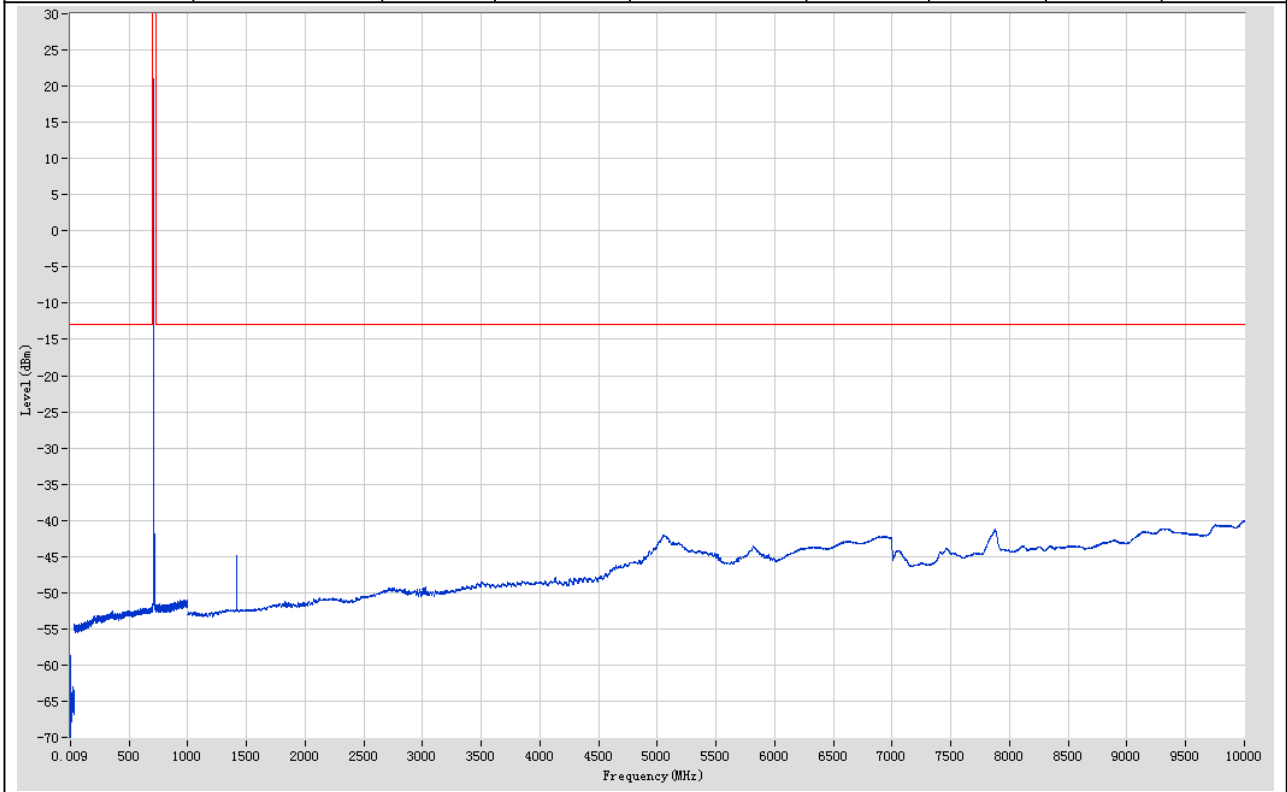
LTE Band 17 QPSK 5 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-63.95	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.73	-13	Pass	2985
30	695	0.1	RMS	665.596	-52.06	-13	Pass	6650
695	725	0.1	RMS	704.348	20.59	60	Pass	691
725	1000	0.1	RMS	972.89	-50.87	-13	Pass	2750
1000	3000	1	RMS	1408.204	-43.79	-13	Pass	2000
3000	10000	1	RMS	9998	-40.04	-13	Pass	7000



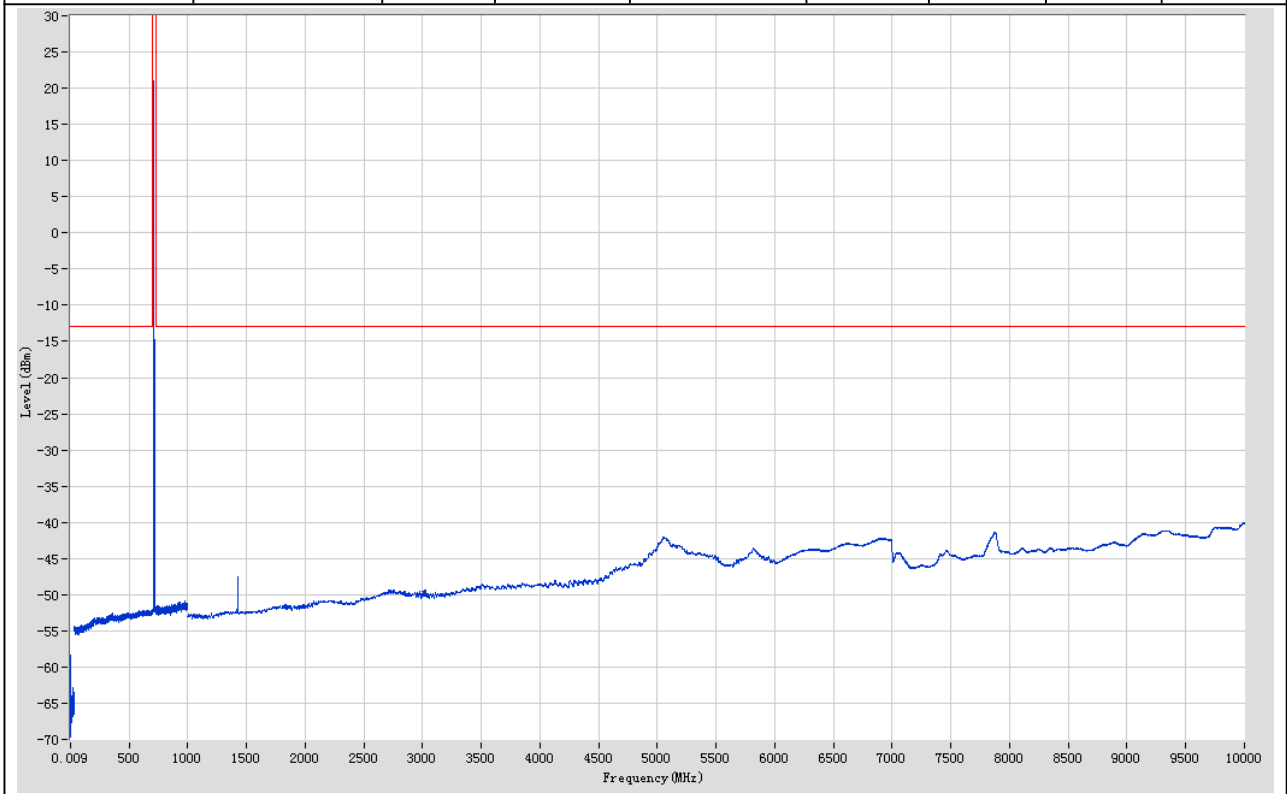
LTE Band1 7 QPSK 5 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-63.83	-13	Pass	691
0.15	30	0.01	RMS	0.16	-58.62	-13	Pass	2985
30	695	0.1	RMS	692.8	-52.06	-13	Pass	6650
695	725	0.1	RMS	707.826	21.03	60	Pass	691
725	1000	0.1	RMS	977.792	-51	-13	Pass	2750
1000	3000	1	RMS	1415.208	-44.82	-13	Pass	2000
3000	10000	1	RMS	9997	-40.03	-13	Pass	7000



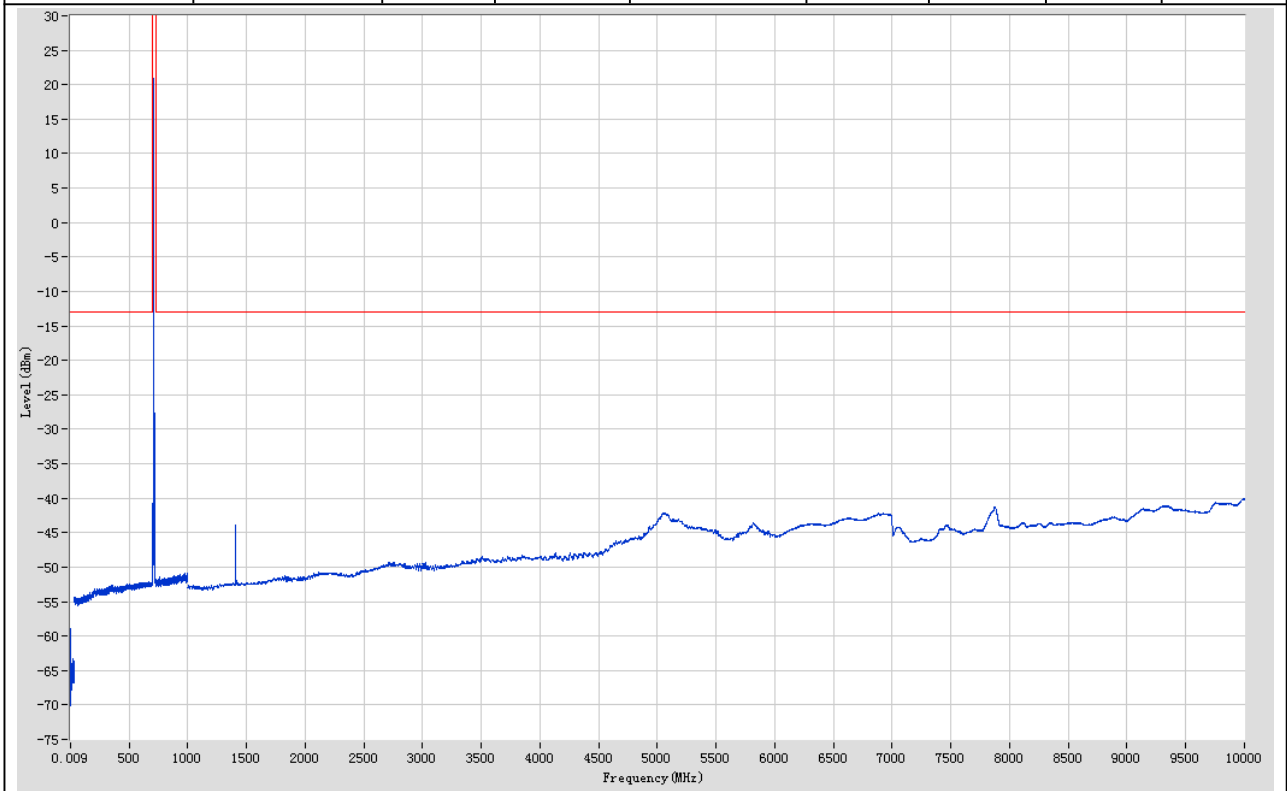
LTE Band 17 QPSK 5 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-63.51	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.42	-13	Pass	2985
30	695	0.1	RMS	620.589	-52.14	-13	Pass	6650
695	725	0.1	RMS	711.348	21.03	60	Pass	691
725	1000	0.1	RMS	973.39	-50.9	-13	Pass	2750
1000	3000	1	RMS	1422.211	-47.62	-13	Pass	2000
3000	10000	1	RMS	9998	-40.04	-13	Pass	7000



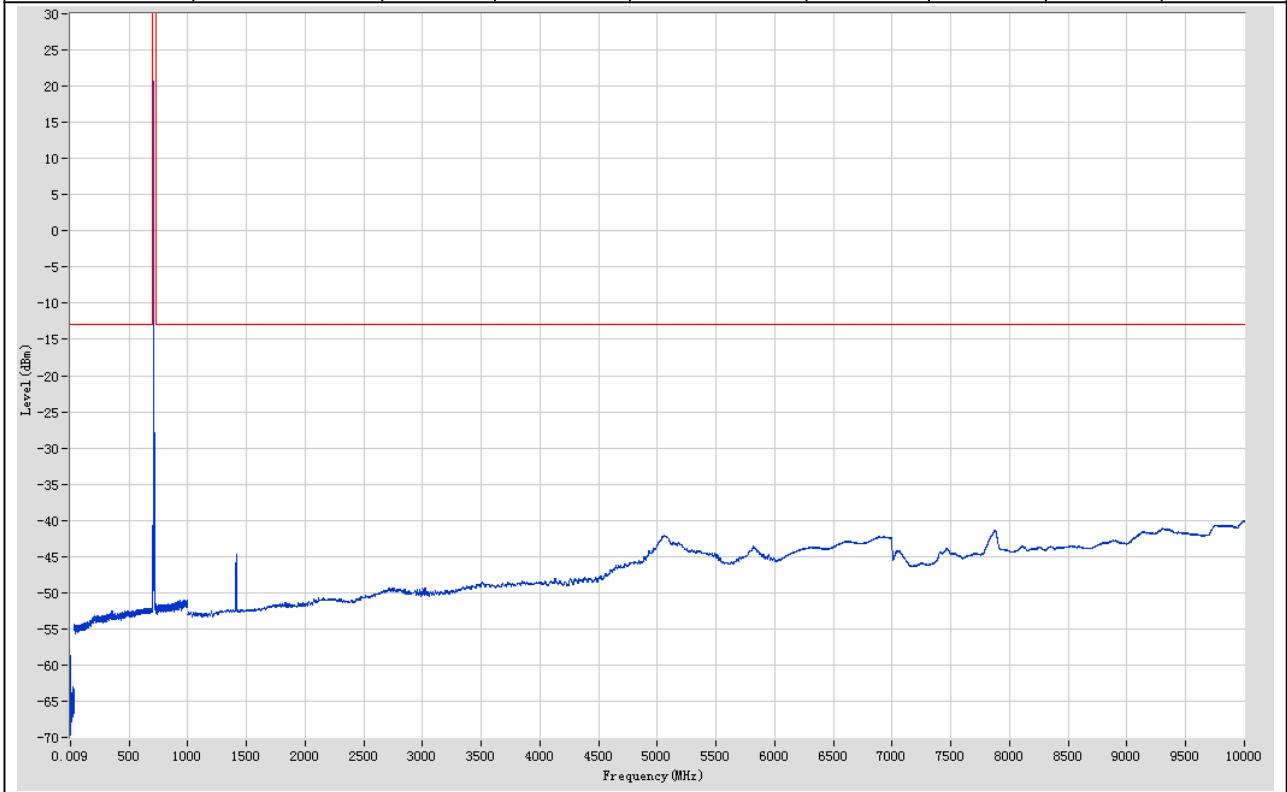
LTE Band 17 QPSK 10 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.14	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.86	-13	Pass	2985
30	695	0.1	RMS	693.8	-52.01	-13	Pass	6650
695	725	0.1	RMS	704.565	20.94	60	Pass	691
725	1000	0.1	RMS	999.1	-50.94	-13	Pass	2750
1000	3000	1	RMS	1409.205	-43.98	-13	Pass	2000
3000	10000	1	RMS	10000	-40.02	-13	Pass	7000



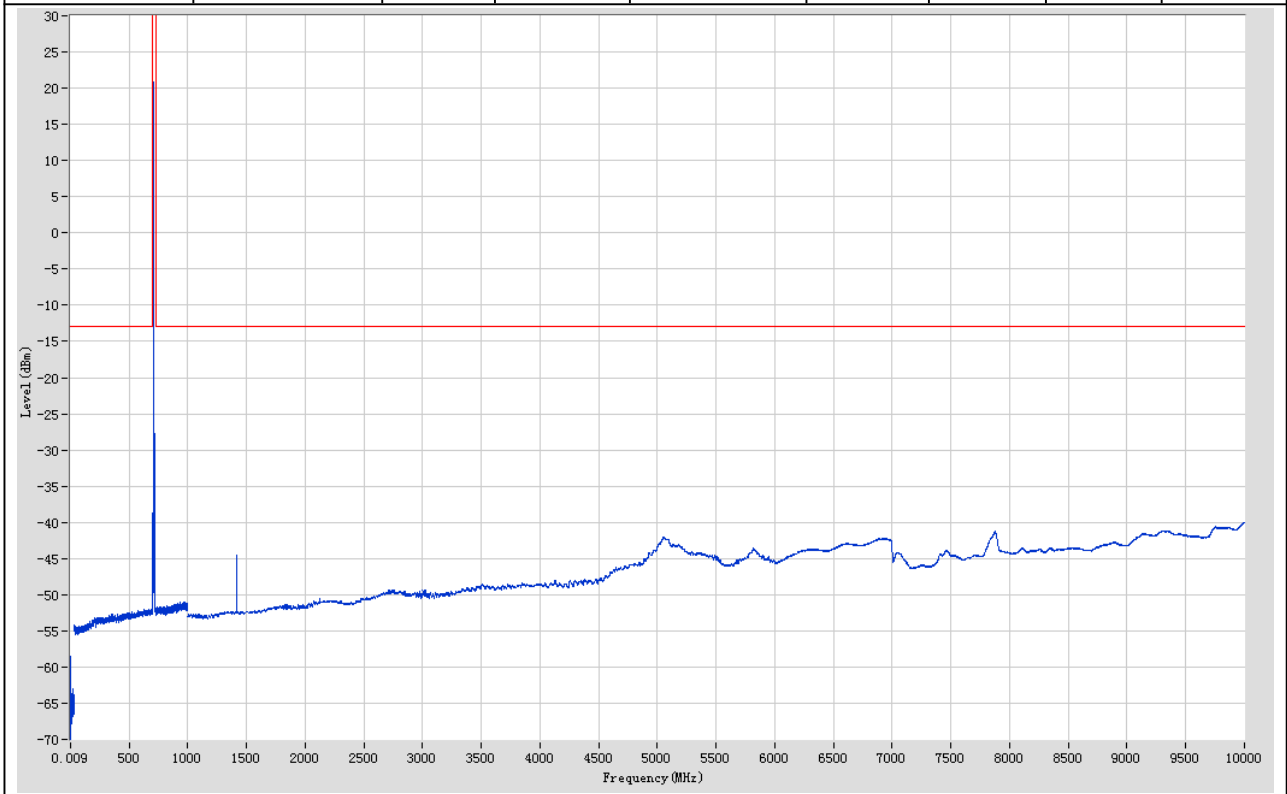
LTE Band 17 QPSK 10 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-63.41	-13	Pass	691
0.15	30	0.01	RMS	0.16	-58.68	-13	Pass	2985
30	695	0.1	RMS	685.699	-52.14	-13	Pass	6650
695	725	0.1	RMS	705.565	20.71	60	Pass	691
725	1000	0.1	RMS	929.774	-50.98	-13	Pass	2750
1000	3000	1	RMS	1411.206	-44.72	-13	Pass	2000
3000	10000	1	RMS	9994.999	-40.03	-13	Pass	7000



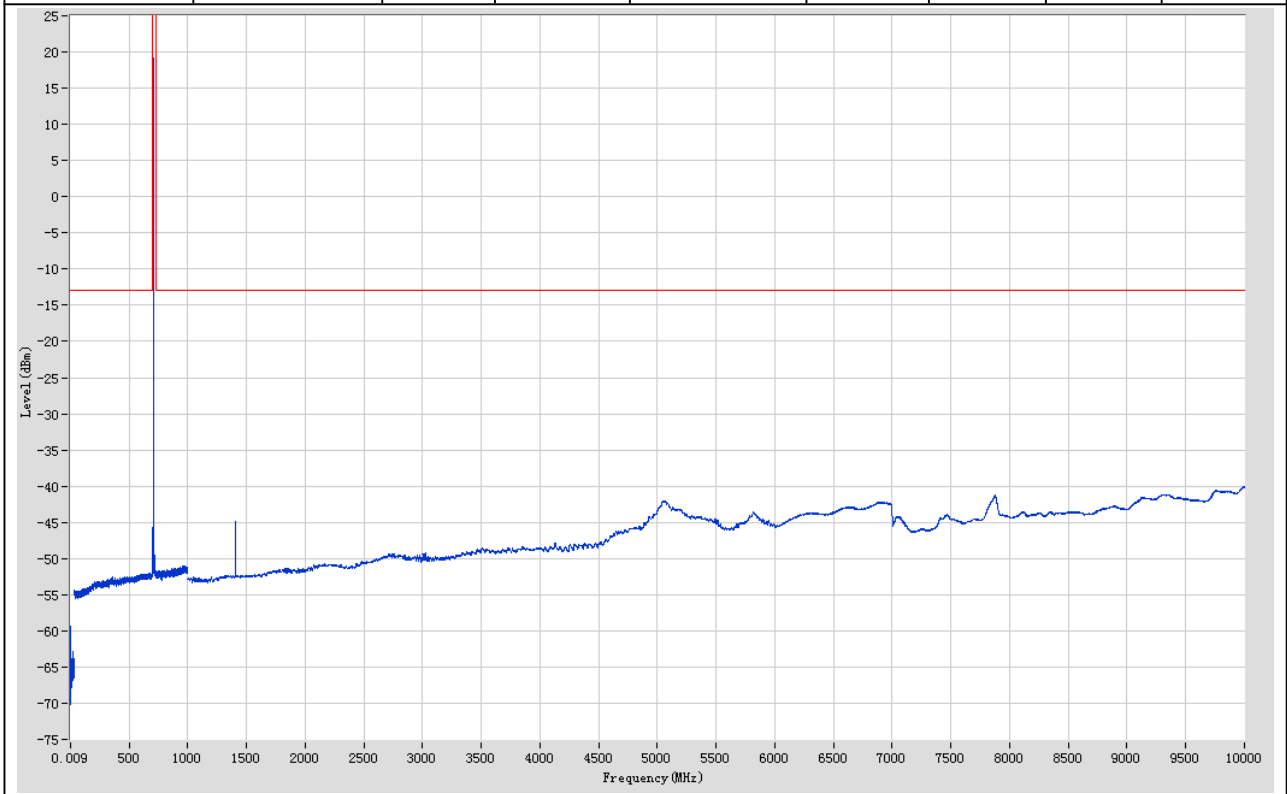
LTE Band 17 QPSK 10 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.58	-13	Pass	2985
30	695	0.1	RMS	691.499	-52.04	-13	Pass	6650
695	725	0.1	RMS	706.565	20.9	60	Pass	691
725	1000	0.1	RMS	967.388	-51.04	-13	Pass	2750
1000	3000	1	RMS	1413.207	-44.49	-13	Pass	2000
3000	10000	1	RMS	9998	-40.03	-13	Pass	7000



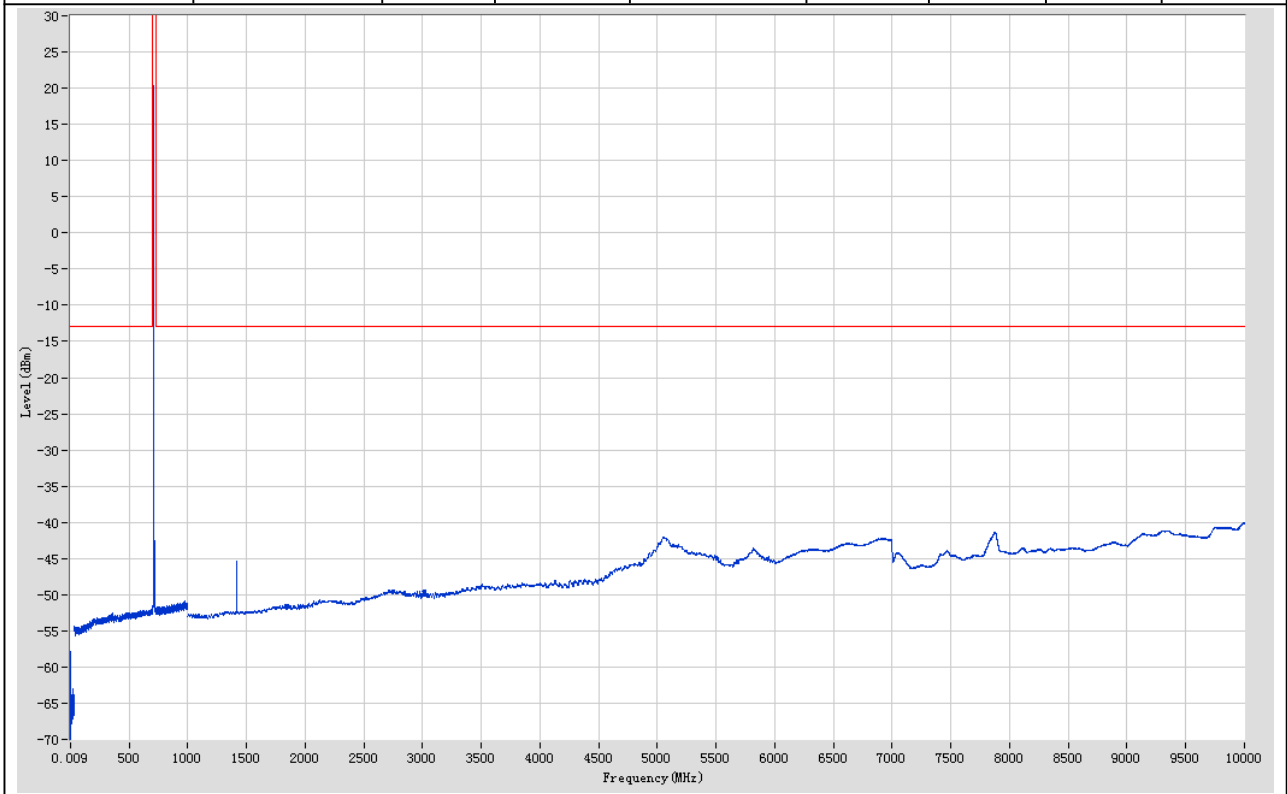
LTE Band 17 16-QAM 5 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.04	-13	Pass	691
0.15	30	0.01	RMS	0.15	-59.4	-13	Pass	2985
30	695	0.1	RMS	667.996	-52.05	-13	Pass	6650
695	725	0.1	RMS	704.348	19.23	60	Pass	691
725	1000	0.1	RMS	955.384	-51.08	-13	Pass	2750
1000	3000	1	RMS	1408.204	-44.83	-13	Pass	2000
3000	10000	1	RMS	9994.999	-40.05	-13	Pass	7000



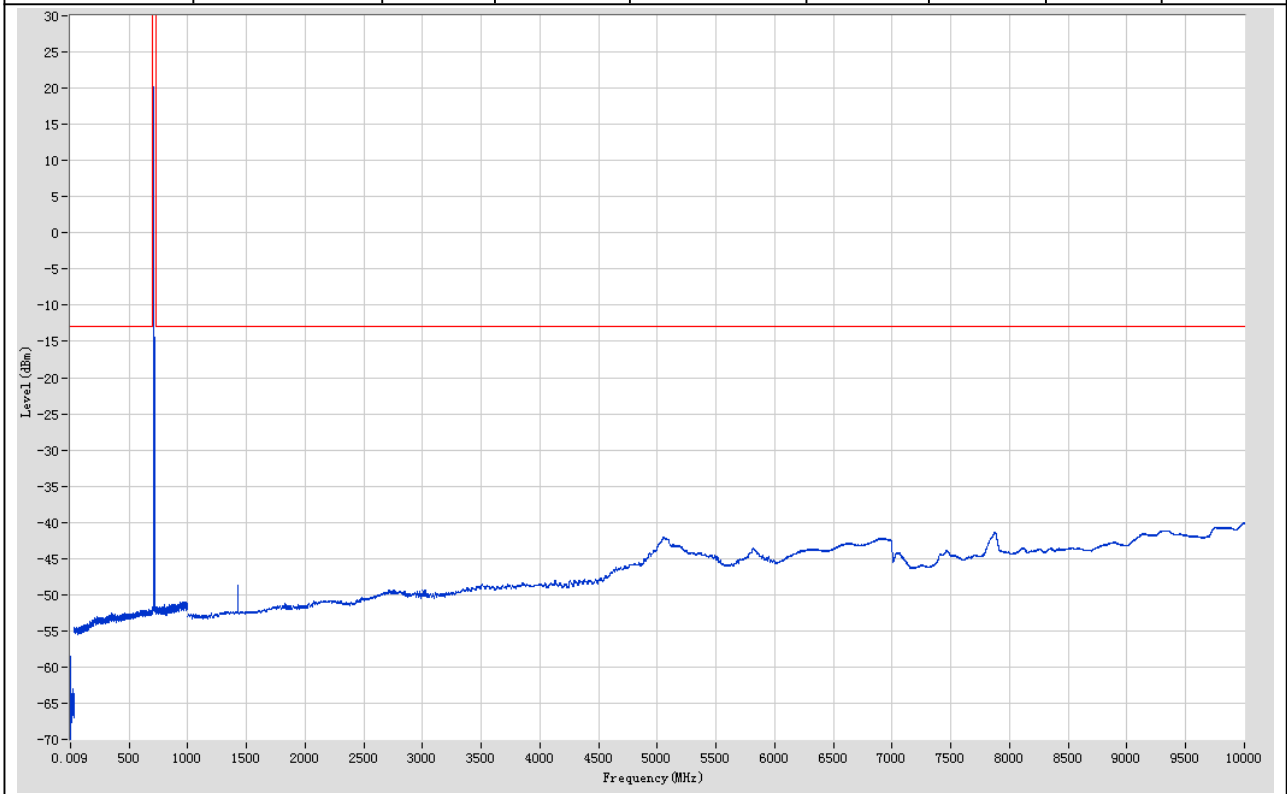
LTE Band 17 16-QAM 5 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-63.74	-13	Pass	691
0.15	30	0.01	RMS	0.15	-57.84	-13	Pass	2985
30	695	0.1	RMS	690.899	-52.11	-13	Pass	6650
695	725	0.1	RMS	707.826	20.32	60	Pass	691
725	1000	0.1	RMS	971.89	-50.92	-13	Pass	2750
1000	3000	1	RMS	1415.208	-45.38	-13	Pass	2000
3000	10000	1	RMS	9998	-40.05	-13	Pass	7000



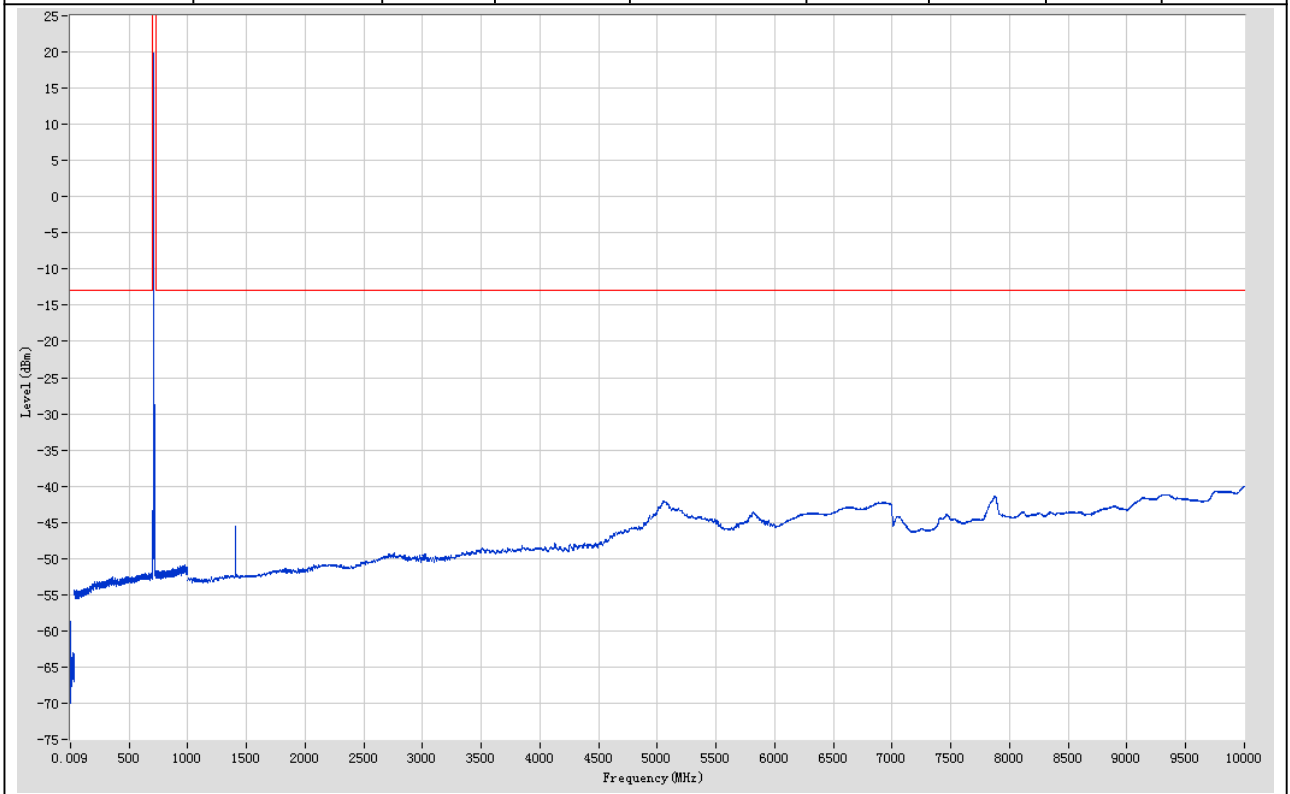
LTE Band 17 16-QAM 5 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-63.79	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.57	-13	Pass	2985
30	695	0.1	RMS	666.696	-52.08	-13	Pass	6650
695	725	0.1	RMS	711.348	20.13	60	Pass	691
725	1000	0.1	RMS	979.393	-51.03	-13	Pass	2750
1000	3000	1	RMS	1422.211	-48.64	-13	Pass	2000
3000	10000	1	RMS	9995.999	-40.07	-13	Pass	7000



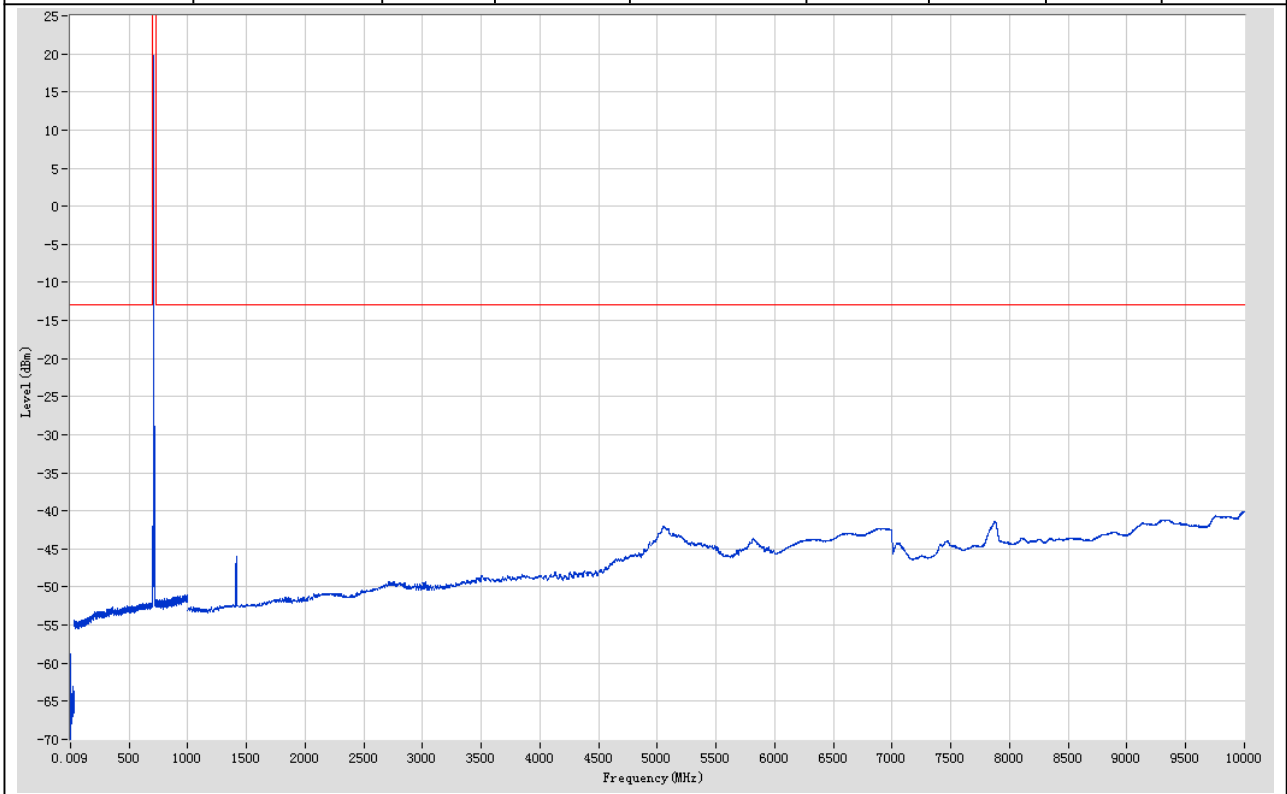
LTE Band 17 16-QAM 10 MHz LCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64	-13	Pass	691
0.15	30	0.01	RMS	0.16	-58.73	-13	Pass	2985
30	695	0.1	RMS	688.599	-52.05	-13	Pass	6650
695	725	0.1	RMS	704.565	19.77	60	Pass	691
725	1000	0.1	RMS	976.692	-50.93	-13	Pass	2750
1000	3000	1	RMS	1409.205	-45.62	-13	Pass	2000
3000	10000	1	RMS	9997	-40.09	-13	Pass	7000



LTE Band 17 16-QAM 10 MHz MCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-63.79	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.71	-13	Pass	2985
30	695	0.1	RMS	669.096	-52.07	-13	Pass	6650
695	725	0.1	RMS	705.565	19.71	60	Pass	691
725	1000	0.1	RMS	973.39	-50.96	-13	Pass	2750
1000	3000	1	RMS	1411.206	-45.99	-13	Pass	2000
3000	10000	1	RMS	9998	-40.08	-13	Pass	7000



LTE Band 17 16-QAM 10 MHz HCH

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-64.04	-13	Pass	691
0.15	30	0.01	RMS	0.15	-58.63	-13	Pass	2985
30	695	0.1	RMS	668.596	-52.05	-13	Pass	6650
695	725	0.1	RMS	706.609	19.55	60	Pass	691
725	1000	0.1	RMS	981.093	-51.03	-13	Pass	2750
1000	3000	1	RMS	1413.207	-46.36	-13	Pass	2000
3000	10000	1	RMS	9999	-40.07	-13	Pass	7000

