



REPORT No.: SZ25060347W06

TEST REPORT

APPLICANT : Power Idea Technology
(Shenzhen) Co., Ltd.

PRODUCT NAME : Smartphone

MODEL NAME : PSM06G

BRAND NAME : RugGear

FCC ID : ZLE-PSM06G

STANDARD(S) : 47 CFR Part 2
47 CFR Part 22 Subpart H
47 CFR Part 24 Subpart E
47 CFR Part 27 Subpart L

RECEIPT DATE : 2025-07-04

TEST DATE : 2025-07-28 to 2025-08-21

ISSUE DATE : 2025-11-13



Edited by:

Peng Mi

Peng Mi (Rapporteur)

Approved by:

Shen Junsheng

Shen Junsheng (Supervisor)

NOTE: This document is issued by Shenzhen Morlab Communications Technology Co., Ltd., the test report shall not be reproduced except in full without prior written permission of the company. The test results apply only to the particular sample(s) tested and to the specific tests carried out which is available on request for validation and information confirmed at our website.

MORLAB

Shenzhen Morlab Communications Technology Co., Ltd.
FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road,
Block67, BaoAn District, ShenZhen, Guangdong Province, P. R. China

Tel: 86-755-36698555

Http://www.morlab.cn

Fax: 86-755-36698525

E-mail: service@morlab.cn





DIRECTORY

1. Technical Information	3
1.1. Applicant and Manufacturer Information	3
1.2. Equipment Under Test (EUT) Description	3
1.3. Maximum E.R.P./E.I.R.P. and Emission Designator	5
1.4. Test Standards and Results	6
1.5. Environmental Conditions	7
2. 47 CFR Part 2, Part 22H, 24E&27L Requirements	8
2.1. Conducted RF Output Power	8
2.2. Peak to Average Ratio	11
2.3. Occupied Bandwidth	17
2.4. Frequency Stability	26
2.5. Conducted Out of Band Emissions	31
2.6. Band Edge	39
2.7. Determining E.R.P. and/or E.I.R.P. from conducted RF output power measurements	43
2.8. Radiated Out of Band Emissions	46
Annex A Test Uncertainty	132
Annex B Testing Laboratory Information	133

Change History		
Version	Date	Reason for change
1.0	2025-11-13	First edition





1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Power Idea Technology (Shenzhen) Co., Ltd.
Applicant Address:	4th Floor, A Section, Languang Science&technology, Xinxi RD, Hi-Tech Industrial Park North, Nanshan, ShenZhen, China
Manufacturer:	Power Idea Technology (Shenzhen) Co., Ltd.
Manufacturer Address:	B1504, 1505, 1506, 1507, Building 9, Zone 2, Shenzhen Bay Science and Technology Ecological Park, No. 3609 Baishi Road, High tech Zone Community, Yuehai Street, Nanshan District, Shenzhen, Guangdong, China

1.2. Equipment Under Test (EUT) Description

Product Name:	Smart Phone	
Sample No.:	2#, 5#	
Hardware Version:	V1	
Software Version:	RG725Plus_ ROW_00.00_1_20250611	
Modulation Type:	GSM/GPRS Mode with GMSK Modulation EDGE Mode with 8PSK Modulation WCDMA Mode with QPSK Modulation HSPA+ Mode with 16QAM Modulation	
Operating Frequency Range:	GSM 850MHz	Tx: 824MHz-849MHz
		Rx: 869MHz-894MHz
	GSM 1900MHz	Tx: 1850MHz-1910MHz
		Rx: 1930MHz-1990MHz
	WCDMA Band V	Tx: 824MHz-849MHz
		Rx: 869MHz-894MHz
	WCDMA Band IV	Tx: 1710MHz-1755MHz
		Rx: 2110MHz-2155MHz
	WCDMA Band II	Tx: 1850MHz-1910MHz
		Rx: 1930MHz-1990MHz
Antenna Type:	PIFA Antenna	



Antenna Gain:	GSM 850:	-2.10dBi
	GSM1900:	-2.40dBi
	WCDMA Band V:	-2.10dBi
	WCDMA Band IV:	-2.40dBi
	WCDMA Band II:	-2.40dBi
Accessory Information:	Battery	
	Brand Name:	N/A
	Model No.:	BL500IP
	Serial No.:	N/A
	Capacity:	5000mAh
	Rated Voltage:	3.8V
	Charge Limit:	4.35V
	Manufacturer:	JiangxiGuihang New Energy Technology Co., Ltd.
	AC Adapter	
	Brand Name:	N/A
	Model No.:	UC13US
	Serial No.:	N/A
	Rated Output:	5V=2A
	Rated Input:	100-240V~50/60Hz, 0.5A
	Manufacturer:	Huizhou Juwei Electronics Co., Ltd

Note 1: The transmitter (Tx) frequency arrangement of the Cellular 850MHz band used by the EUT can be represented with the formula $F(n)=824.2+0.2*(n-128)$, $128 \leq n \leq 251$; the lowest, middle, highest channel numbers (ARFCHs) used and tested in this report are separately 128 (824.2MHz), 189 (836.4MHz) and 251 (848.8MHz).

Note 2: The transmitter (Tx) frequency arrangement of the PCS 1900MHz band used by the EUT can be represented with the formula $F(n)=1850.2+0.2*(n-512)$, $512 \leq n \leq 810$; the lowest, middle and highest channel numbers (ARFCHs) used and tested in this report are separately 512 (1850.2MHz), 661 (1880.0MHz) and 810 (1909.8MHz).

Note 3: The transmitter (Tx) frequency arrangement of the WCDMA Band V used by the EUT can be represented with the formula $F(n)=826.4+0.2*(n-4132)$, $4132 \leq n \leq 4233$; the lowest, middle and highest channel numbers (ARFCHs) used and tested in this report are separately 4132 (826.4MHz), 4182(836.4MHz) and 4233 (846.6MHz).

Note 4: The transmitter (Tx) frequency arrangement of the WCDMA IV band used by the EUT can be represented with the formula $F(n)=1712.4+0.2*(n-1312)$, $1312 \leq n \leq 1513$; the lowest, middle and highest channel numbers (ARFCHs) used and tested in this report are separately 1312 (1712.4MHz), 1413 (1732.6MHz) and 1513 (1752.6MHz).

Note 5: The transmitter (Tx) frequency arrangement of the WCDMA Band II used by the EUT can





be represented with the formula $F(n)=1852.4+0.2*(n-9262)$, $9262 \leq n \leq 9538$; the lowest, middle and highest channel numbers (ARFCHs) used and tested in this report are separately 9262 (1852.4MHz), 9400 (1880MHz) and 9538 (1907.6MHz).

Note 6: All test modes and data rates were considered and evaluated respectively by performing full test. Test modes are chosen to be reported as the worst case below:

GSM mode and EDGE mode for GSM 850;

GSM mode and EDGE mode for GSM 1900;

WCDMA mode for WCDMA band V;

WCDMA mode for WCDMA band IV;

WCDMA mode for WCDMA band II;

Note 7: The EUT description presented in the report are provided by applicant and/or manufacturer, and the test laboratory is not responsible for the accuracy of the information. For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

1.3. Maximum E.R.P./E.I.R.P. and Emission Designator

Test Mode	Maximum E.R.P./E.I.R.P. (W)	Emission Designator
GSM850(GSM)	0.566	249KGXW
GSM850(EDGE)	0.171	249KG7W
GSM1900(GSM)	0.452	250KGXW
GSM1900(EDGE)	0.219	251KG7W
WCDMA Band V	0.078	4M18F9W
WCDMA Band IV	0.121	4M19F9W
WCDMA Band II	0.121	4M19F9W



1.4. Test Standards and Results

The objective of the report is to perform testing according to 47 CFR Part 2, Part 22, Part 24 and Part 27 for the EUT FCC ID Certification:

No.	Identity	Document Title
1	47 CFR Part 2 (10-1-12 Edition)	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	47 CFR Part 22 (10-1-12 Edition)	Public Mobile Services
3	47 CFR Part 24 (10-1-12 Edition)	Personal Communications Services
4	47 CFR Part 27 (10-1-12 Edition)	Miscellaneous Wireless Communications Services

Test detailed items/section required by FCC rules and results are as below:

No.	Section	Description	Test Date	Test Engineer	Result	Remark
1	2.1046	Conducted RF Output Power	Aug. 06, 2025	Yu Xiaoming Yu Zhizheng	PASS	/
2	24.232(d)	Peak -Average Ratio	Aug. 06, 2025	Liu Huiyan	PASS	/
3	2.1049	Occupied Bandwidth	Aug. 06, 2025	Liu Huiyan	PASS	/
4	2.1055, 22.355, 24.235, 27.54	Frequency Stability	Aug. 06, 2025	Liu Huiyan	PASS	/
5	2.1051, 22.917(a), 24.238(a), 27.53(h)	Conducted Out of Band Emissions	Aug. 06, 2025	Liu Huiyan	PASS	/
6	2.1051, 22.917(a), 24.238(a), 27.53(h)	Band Edge	Aug. 06, 2025	Liu Huiyan	PASS	/
7	22.913(a), 24.232(c) 27.50(d)	Transmitter Radiated Power (E.I.P.R./E.R.P.)	Aug. 06, 2025	Liu Huiyan	PASS ^{Note3}	/
8	2.1051, 22.917(a), 24.238(a), 27.53(h)	Radiated Out of Band Emissions	Aug. 10 to 16, 2025	Gao Jianrou	PASS	/

Note 1: The tests were performed according to the method of measurements prescribed in KDB





971168 D01 v03r01 and ANSI/TIA-603-E-2016.

Note 2: Any additions, deviation, or exclusions from the method shall be noted in the "Remark".

Note 3: The antenna gain presented in the report are provided by applicant and/or manufacturer, and the test laboratory is not responsible for the accuracy of the information.

1.5. Environmental Conditions

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

Temperature (°C):	15-35
Relative Humidity (%):	30-60
Atmospheric Pressure (kPa):	86-106





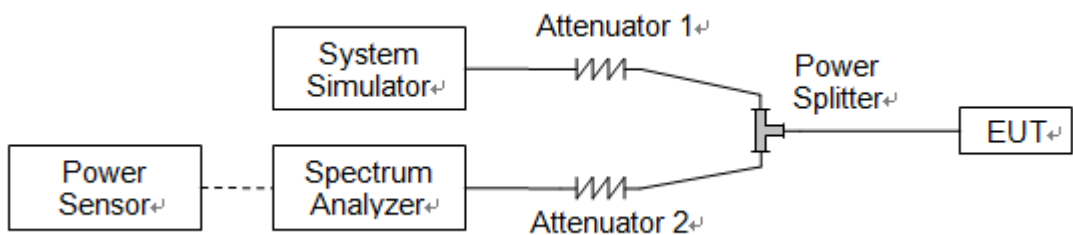
2.1. Conducted RF Output Power

2.1.1.Requirement

According to FCC section 2.1046(a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in FCC section 2.1033(c)(8).

2.1.2. Test Description

Test Setup:



The EUT 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. The EUT is commanded by the SS to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the SS.



**2.1.3.Test Results**

GSM850	Average Power (dBm)		
TX Channel	128	189	251
Frequency (MHz)	824.2	836.4	848.8
GSM 1 Tx slot	31.75	31.78	31.76
GPRS 1 Tx slot	31.73	31.77	31.75
GPRS 2 Tx slots	30.55	30.58	30.51
GPRS 3 Tx slots	29.44	29.55	29.50
GPRS 4 Tx slots	28.39	28.44	28.42
EDGE 1 Tx slot	26.58	26.55	26.51
EDGE 2 Tx slots	25.05	25.18	25.03
EDGE 3 Tx slots	23.11	23.16	23.05
EDGE 4 Tx slots	22.19	22.22	22.10

GSM1900	Average Power (dBm)		
TX Channel	512	661	810
Frequency (MHz)	1850.2	1880	1909.8
GSM 1 Tx slot	28.91	28.95	28.93
GPRS 1 Tx slot	28.90	28.92	28.91
GPRS 2 Tx slots	27.88	27.92	27.91
GPRS 3 Tx slots	26.65	26.69	26.62
GPRS 4 Tx slots	24.79	24.81	24.80
EDGE 1 Tx slot	25.81	25.79	25.66
EDGE 2 Tx slots	23.14	23.22	23.24
EDGE 3 Tx slots	22.69	22.58	22.51
EDGE 4 Tx slots	21.82	21.89	21.90





WCDMA Band V	Average Power (dBm)		
TX Channel	4132	4182	4233
Frequency (MHz)	826.4	836.4	846.6
RMC 12.2Kbps	23.15	23.16	23.10
HSPA+ (16QAM) Subtest-1	21.61	21.62	21.53

WCDMA Band IV	Average Power (dBm)		
TX Channel	1312	1413	1513
Frequency (MHz)	1712.4	1732.6	1752.6
RMC 12.2Kbps	23.19	23.24	23.20
HSPA+ (16QAM) Subtest-1	21.71	21.72	21.64

WCDMA Band II	Average Power (dBm)		
TX Channel	9262	9400	9538
Frequency (MHz)	1852.4	1880.0	1907.6
RMC 12.2Kbps	23.11	23.22	23.15
HSPA+ (16QAM) Subtest-1	21.58	21.67	21.74



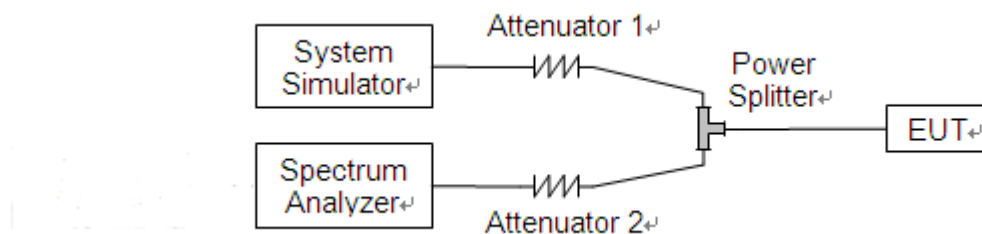
2.2. Peak to Average Ratio

2.2.1. Requirement

According to FCC 24.232(d) and 27.50(d), the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

2.2.2. Test Description

Test Setup:



The EUT 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 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the SS.

2.2.3. Test procedure

1. For GSM/EDGE operating mode:
 - a. Set RBW=1MHz, VBW=3MHz, peak detector in spectrum analyzer.
 - b. Set EUT in maximum output power, and triggered the bust signal.
 - c. Measured respectively the peak level and mean level, and the deviation was recorded as Peak to Average ratio.
2. For UMTS operating mode:
 - a. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
 - b. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1%.



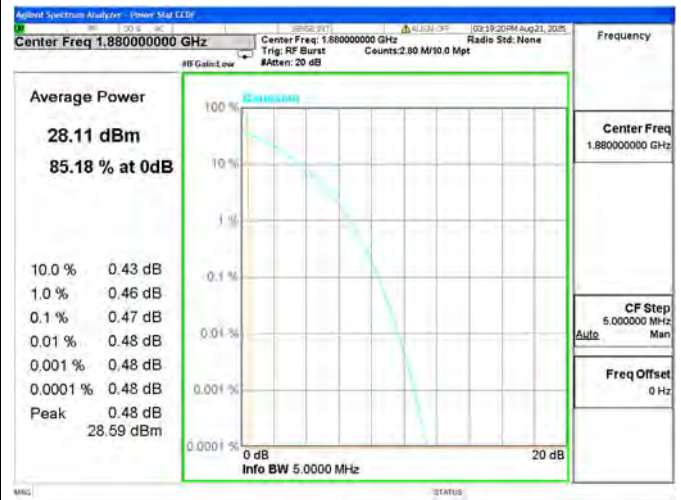
**2.2.4.Test Result****A. Test Verdict:**

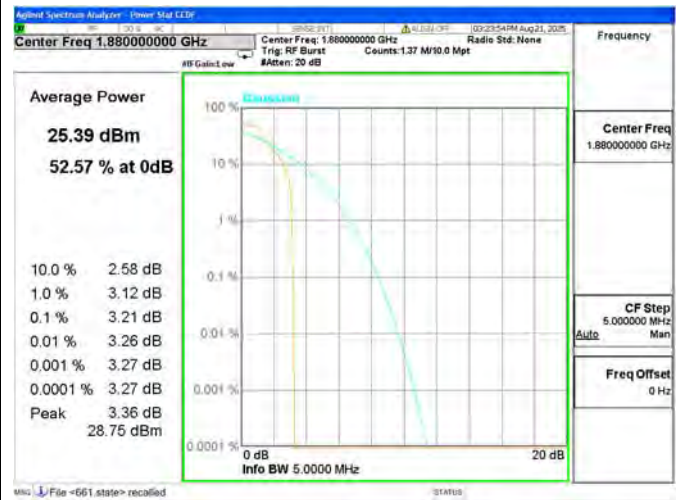
GSM1900					
Mode	Channel	Frequency (MHz)	Peak to Average ratio (dB)	Limit (dB)	Verdict
GSM	512	1850.2	0.45	13	PASS
	661	1880.0	0.47		PASS
	810	1909.8	0.49		PASS
EDGE	512	1850.2	3.21		PASS
	661	1880.0	3.21		PASS
	810	1909.8	3.21		PASS

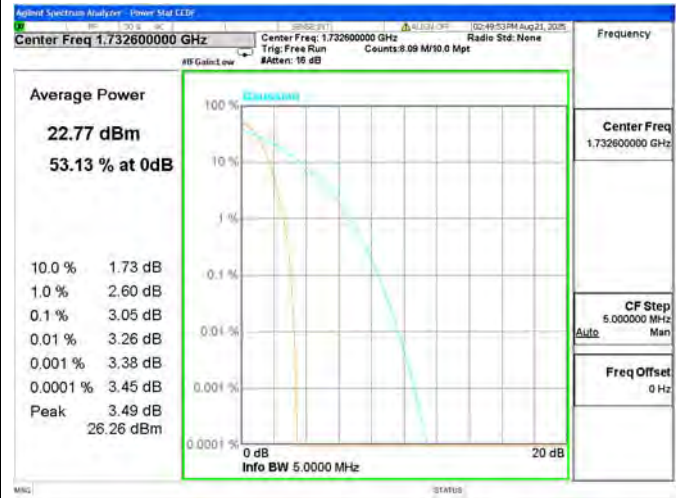
WCDMA Band IV					
Mode	Channel	Frequency (MHz)	Peak to Average ratio (dB)	Limit (dB)	Verdict
WCDMA	1312	1712.4	2.71	13	PASS
	1413	1732.6	3.05		PASS
	1513	1752.6	2.72		PASS

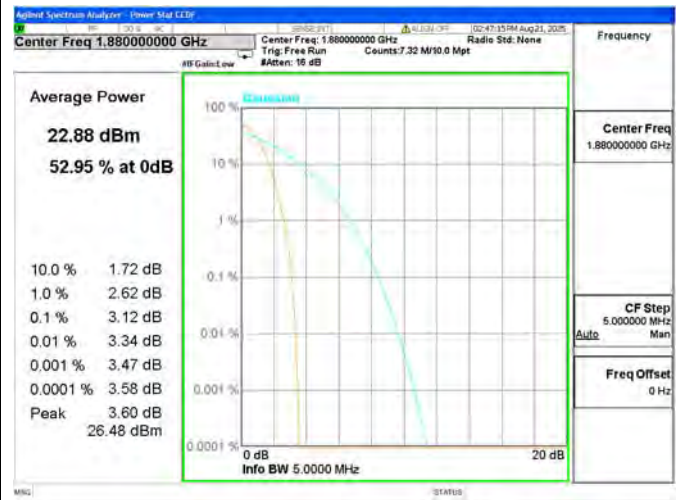
WCDMA Band II					
Mode	Channel	Frequency (MHz)	Peak to Average ratio (dB)	Limit (dB)	Verdict
WCDMA	9262	1852.4	3.05	13	PASS
	9400	1880.0	3.12		PASS
	9538	1907.6	3.08		PASS



**GSM1900(GSM), CH512, 1850.2MHz****GSM1900(GSM), CH661, 1880.0MHz****GSM1900(GSM), CH810, 1909.8MHz**

**GSM1900(EDGE), CH512, 1850.2MHz****GSM1900(EDGE), CH661, 1880.0MHz****GSM1900(EDGE), CH810, 1909.8MHz**

**WCDMA Band IV, CH1312, 1712.4MHz****WCDMA Band IV, CH1413, 1732.6MHz****WCDMA Band IV, CH1513, 1752.6MHz**

**WCDMA Band II, CH9262, 1852.4MHz****WCDMA Band II, CH9400, 1880.0MHz****WCDMA Band II, CH9538, 1907.6MHz**

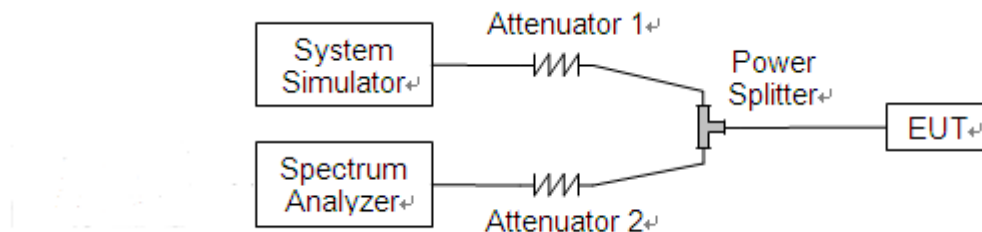
2.3. Occupied Bandwidth

2.3.1. Requirement

According to FCC section 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.

2.3.2. Test Description

Test Setup:



The EUT 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 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the SS.



2.3.3.Test Result

GSM850				
Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)
GSM	128	824.2	249.32	321.1
	189	836.4	245.68	316.3
	251	848.8	243.36	318.3
EDGE	128	824.2	245.72	309.5
	189	836.4	249.10	313.5
	251	848.8	248.57	304.7

GSM1900				
Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)
GSM	512	1850.2	249.56	319.0
	661	1880.0	246.18	315.1
	810	1909.8	245.06	310.7
EDGE	512	1850.2	251.49	304.5
	661	1880.0	247.25	304.7
	810	1909.8	249.31	300.6

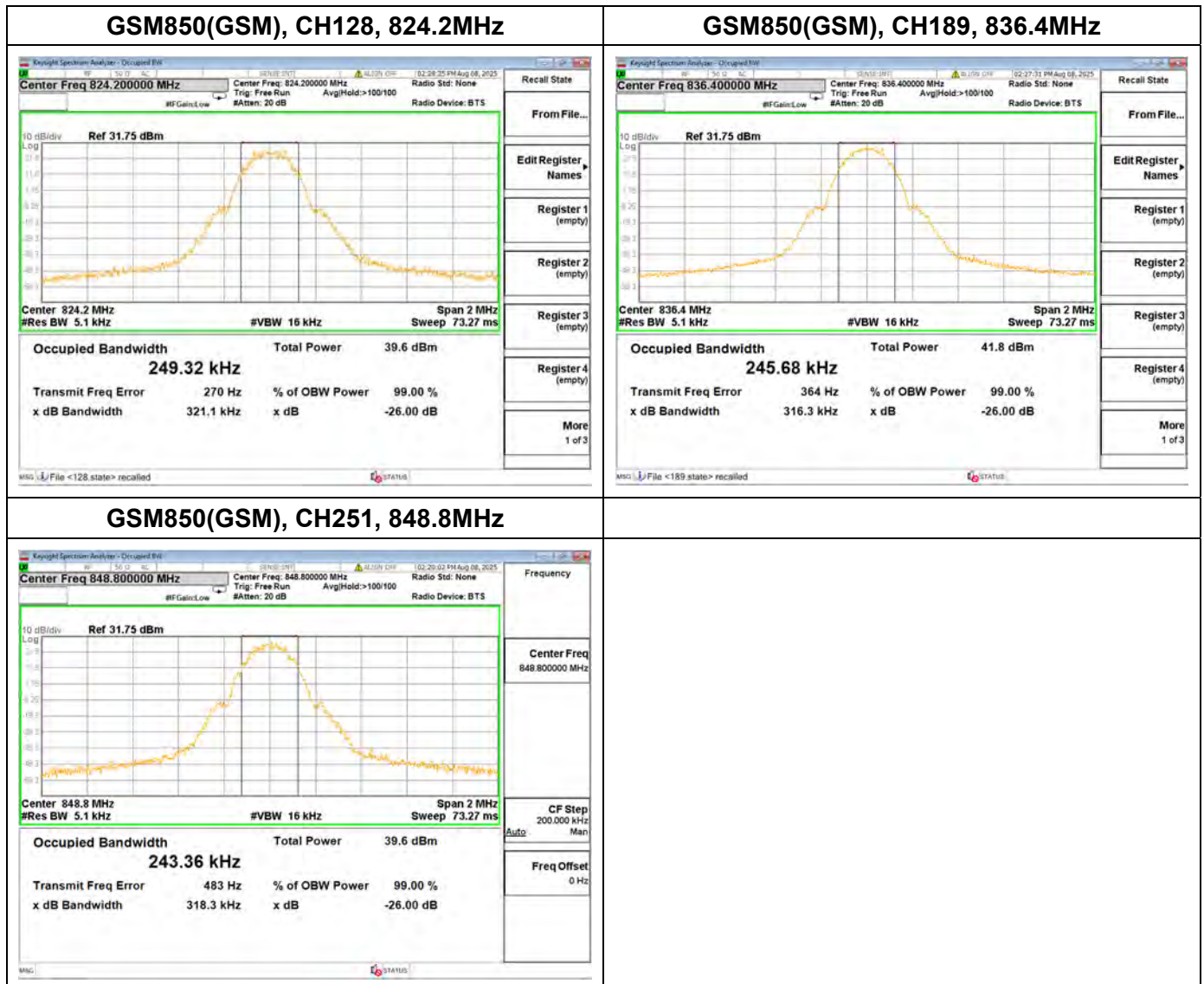
WCDMA Band V				
Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
WCDMA	4132	826.4	4.18	4.71
	4182	836.4	4.17	4.81
	4233	846.6	4.15	4.71

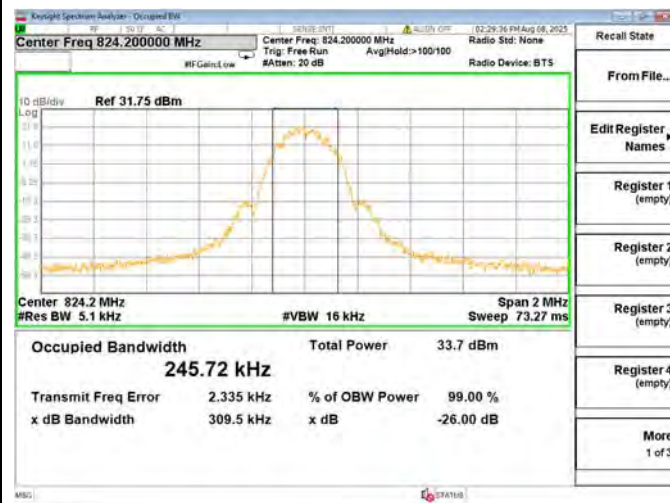
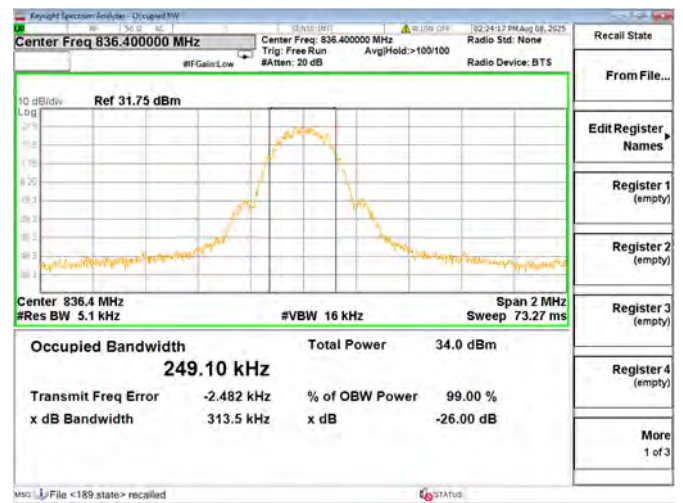
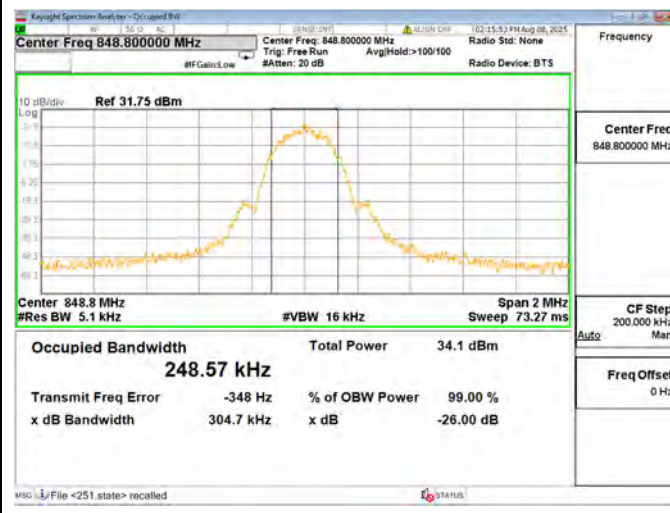
WCDMA Band IV				
Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
WCDMA	1312	1712.4	4.19	4.74
	1413	1732.6	4.17	4.70
	1513	1752.6	4.18	4.72

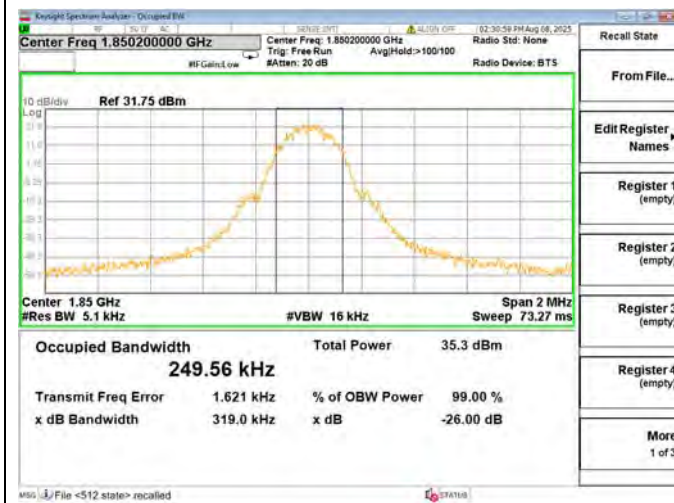
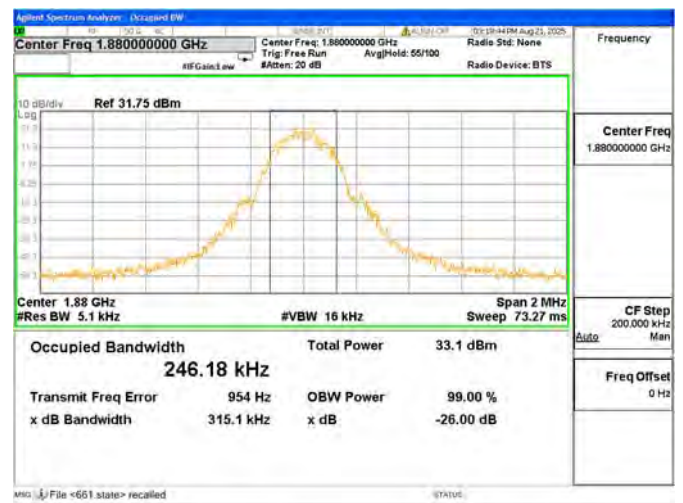


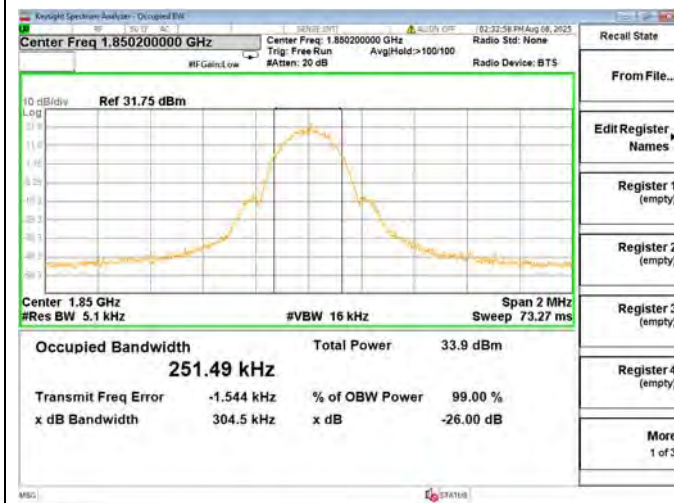
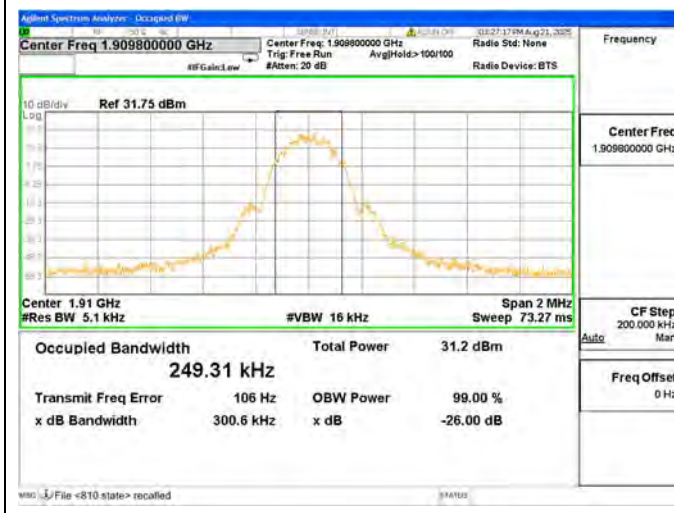


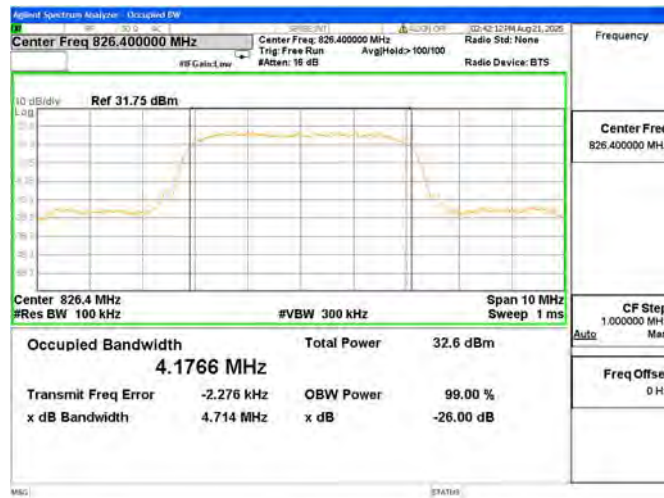
WCDMA Band II				
Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
WCDMA	9262	1852.4	4.19	4.73
	9400	1880.0	4.18	4.72
	9538	1907.6	4.17	4.71

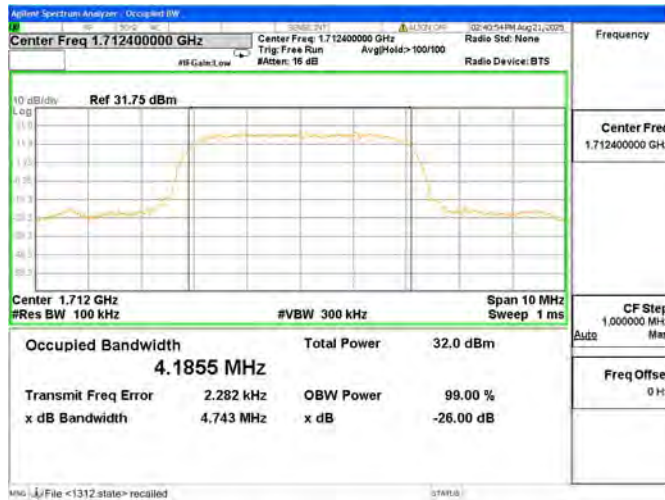


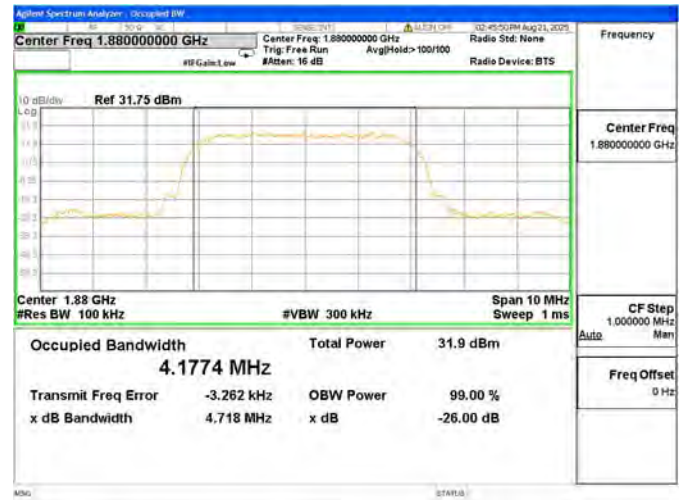
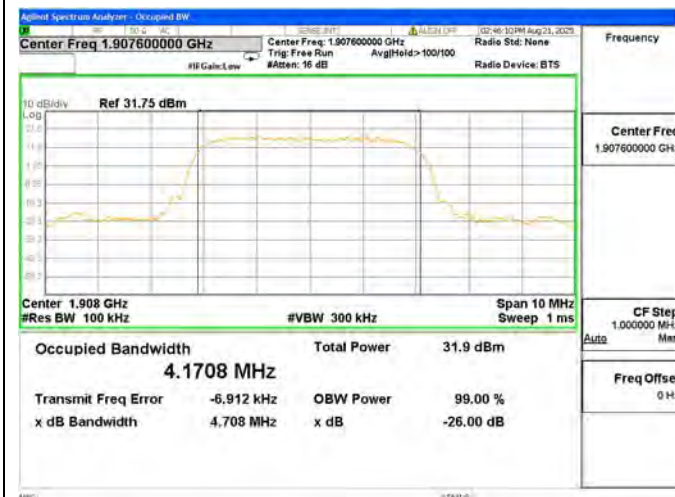
**GSM850(EDGE), CH128, 824.2MHz****GSM850(EDGE), CH189, 836.4MHz****GSM850(EDGE), CH251, 848.8MHz**

**GSM1900(GSM), CH512, 1850.2MHz****GSM1900(GSM), CH661, 1880.0MHz****GSM1900(GSM), CH810, 1909.8MHz**

**GSM1900(EDGE), CH512, 1850.2MHz****GSM1900(EDGE), CH661, 1880.0MHz****GSM1900(EDGE), CH810, 1909.8MHz**

**WCDMA Band V, CH4132, 826.4MHz****WCDMA Band V, CH4182, 836.4MHz****WCDMA Band V, CH4233, 846.6MHz**

**WCDMA Band IV, CH1312, 1712.4MHz****WCDMA Band IV, CH1413, 1732.6MHz****WCDMA Band IV, CH1513, 1752.6MHz**

**WCDMA Band II, CH9262, 1852.4MHz****WCDMA Band II, CH9400, 1880.0MHz****WCDMA Band II, CH9538, 1907.6MHz**

2.4. Frequency Stability

2.4.1. Requirement

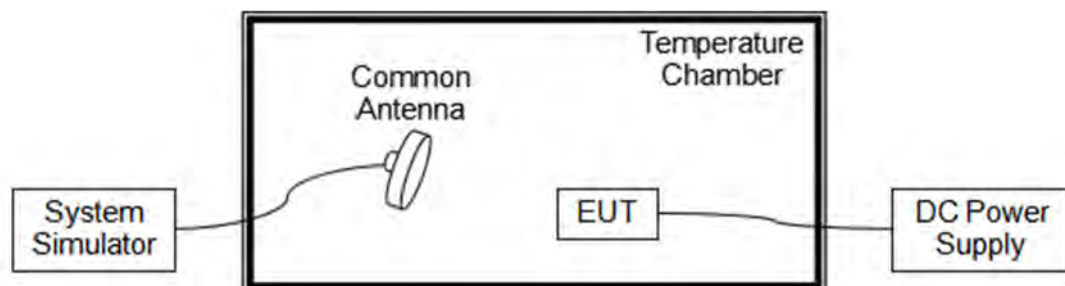
According to FCC section 22.355, 24.235 and 27.54 the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. According to FCC section 2.1055, the test conditions are:

- (a) The temperature is varied from -30°C to $+50^{\circ}\text{C}$ 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.

Note: The operating temperature of EUT is from -20°C to 50°C , which are specified by the applicant.

2.4.2. Test Description

Test Setup:



The EUT, which is powered by the DC Power Supply directly, is located in the Temperature Chamber. The EUT is commanded by the System Simulator (SS) to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the SS via a Common Antenna.





2.4.3.Test Result

The nominal, highest and lowest extreme voltages are separately 3.8V, 4.35V and 3.0V, which are specified by the applicant; the normal temperature here used is 20°C.

GSM850(GSM), CH189, 836.4MHz					
Limit =±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	18	0.022	PASS
Normal		-20	16	0.019	
Normal		-10	14	0.017	
Normal		0	-16	-0.019	
Normal		+10	-20	-0.024	
Normal		+20	4	0.005	
Normal		+30	16	0.019	
Normal		+40	17	0.020	
Normal		+50	-13	-0.016	
Normal		+60	-21	-0.025	
High	4.35	+20	-1	-0.001	
BATT.ENDPOINT	3.00	+20	14	0.017	

GSM850(EDGE), CH189, 836.4MHz					
Limit =±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	16	0.019	PASS
Normal		-20	20	0.024	
Normal		-10	-20	-0.024	
Normal		0	6	0.007	
Normal		+10	17	0.020	
Normal		+20	-20	-0.024	
Normal		+30	20	0.024	
Normal		+40	21	0.025	
Normal		+50	-22	-0.026	
Normal		+60	8	0.010	
High	4.35	+20	14	0.017	
BATT.ENDPOINT	3.00	+20	-13	-0.016	





GSM1900(GSM), CH661, 1880.0MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	-22	-0.012	PASS
Normal		-20	-10	-0.005	
Normal		-10	14	0.007	
Normal		0	19	0.010	
Normal		+10	-13	-0.007	
Normal		+30	16	0.009	
Normal		+40	-3	-0.002	
Normal		+50	17	0.009	
Normal		+60	20	0.011	
High	4.35	+20	-18	-0.010	
BATT.ENDPOINT	3.00	+20	-1	-0.001	

GSM1900(EDGE), CH661, 1880.0MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	20	0.011	PASS
Normal		-20	13	0.007	
Normal		-10	19	0.010	
Normal		0	13	0.007	
Normal		+10	18	0.010	
Normal		+20	-6	-0.003	
Normal		+30	13	0.007	
Normal		+40	6	0.003	
Normal		+50	19	0.010	
Normal		+60	16	0.009	
High	4.35	+20	20	0.011	
BATT.ENDPOINT	3.00	+20	17	0.009	





WCDMA Band V, CH4182, 836.4MHz					
Limit = ± 2.5 ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	14	0.017	PASS
Normal		-20	14	0.017	
Normal		-10	-12	-0.014	
Normal		0	14	0.017	
Normal		+10	1	0.001	
Normal		+20	18	0.022	
Normal		+30	17	0.020	
Normal		+40	-10	-0.012	
Normal		+50	15	0.018	
Normal		+60	17	0.020	
High	4.35	+20	15	0.018	
BATT.ENDPOINT	3.00	+20	11	0.013	

WCDMA Band IV, CH1413, 1732.6MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	-8	-0.005	PASS
Normal		-20	20	0.012	
Normal		-10	17	0.010	
Normal		0	13	0.008	
Normal		+10	17	0.010	
Normal		+20	3	0.002	
Normal		+30	14	0.008	
Normal		+40	-11	-0.006	
Normal		+50	19	0.011	
Normal		+60	8	0.005	
High	4.35	+20	13	0.008	
BATT.ENDPOINT	3.00	+20	-16	-0.009	





WCDMA Band II, CH9400, 1880.0MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	20	0.011	PASS
Normal		-20	-23	-0.012	
Normal		-10	18	0.010	
Normal		0	22	0.012	
Normal		+10	-9	-0.005	
Normal		+20	13	0.007	
Normal		+30	16	0.009	
Normal		+40	-3	-0.002	
Normal		+50	19	0.010	
Normal		+60	13	0.007	
High	4.35	+20	16	0.009	PASS
BATT.ENDPOINT	3.00	+20	5	0.003	



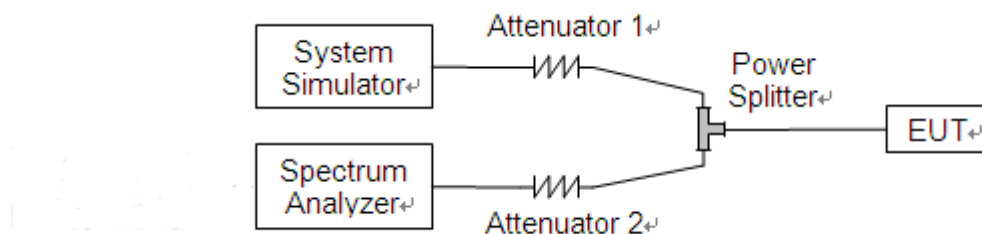
2.5. Conducted Out of Band Emissions

2.5.1. Requirement

According to FCC section 22.917(a), 24.238(a) and 27.53(h) 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 $43 + 10 \cdot \log(P)$ dB. This calculated to be -13dBm. The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency.

2.5.2. Test Description

Test Setup:



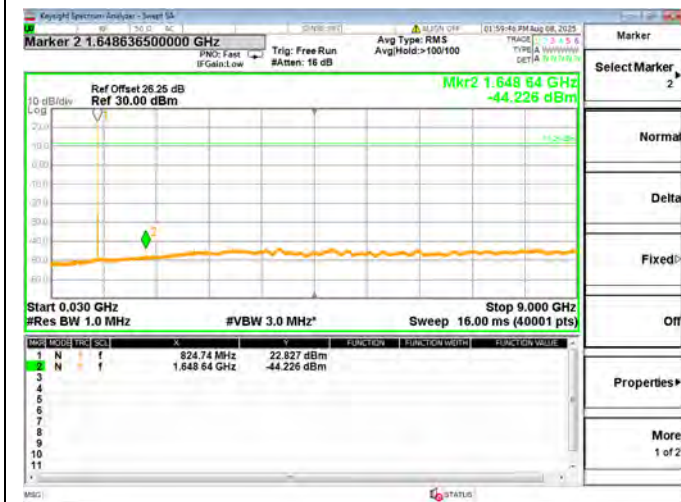
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the SS.



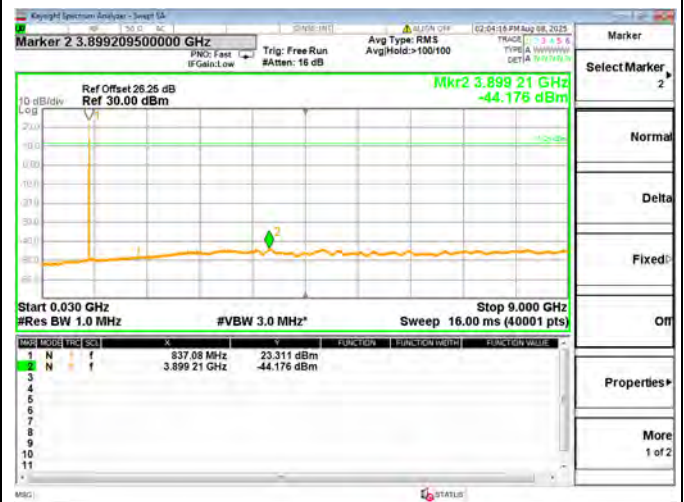


2.5.3.Test Result

GSM850(GSM), CH128, 824.2MHz



GSM850(GSM), CH189, 836.4MHz

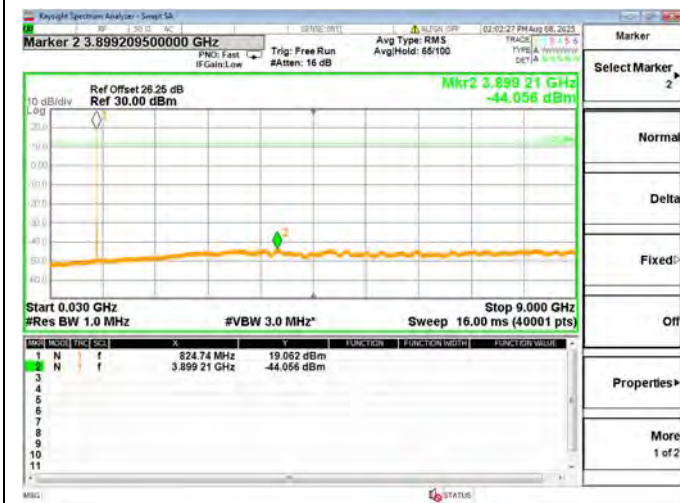


GSM850(GSM), CH251, 848.8MHz

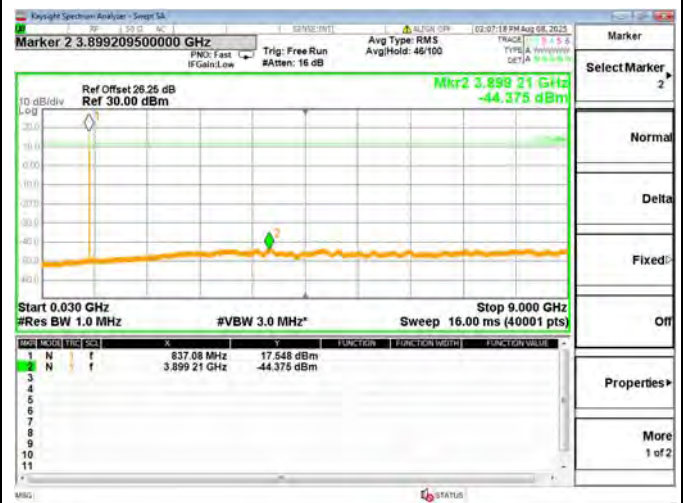




GSM850(EDGE), CH128, 824.2MHz



GSM850(EDGE), CH189, 836.4MHz

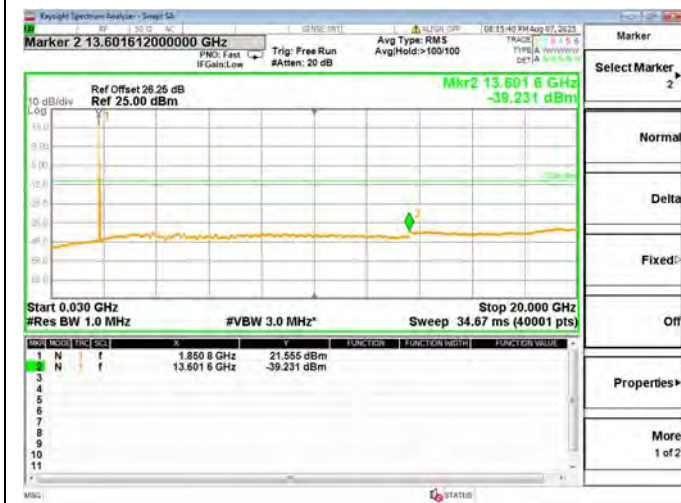


GSM850(EDGE), CH251, 848.8MHz

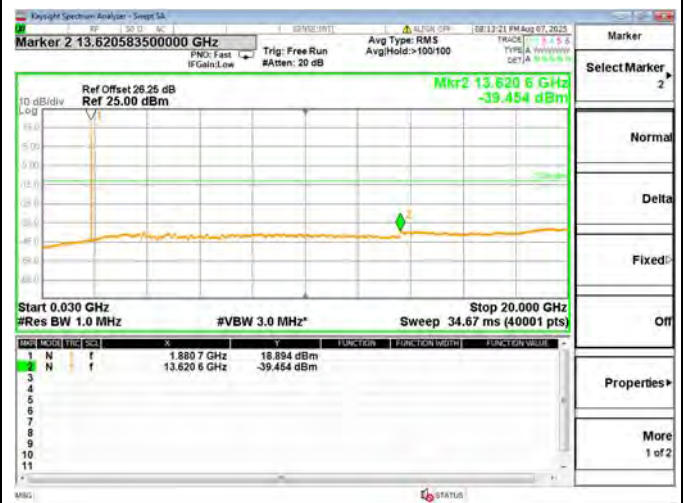




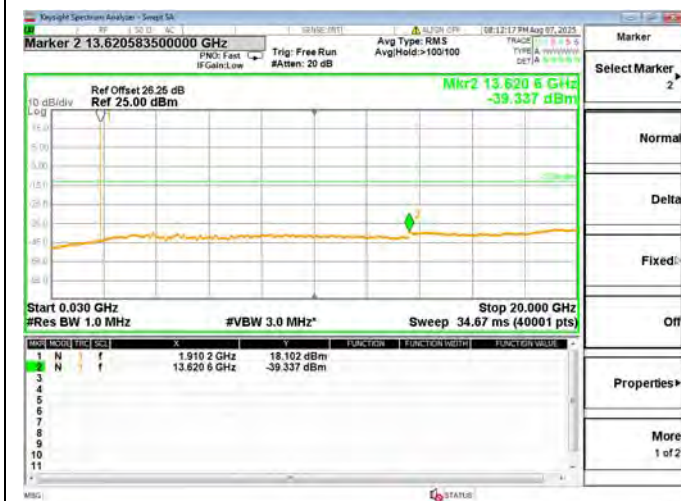
GSM1900(GSM), CH512, 1850.2MHz



GSM1900(GSM), CH661, 1880.0MHz

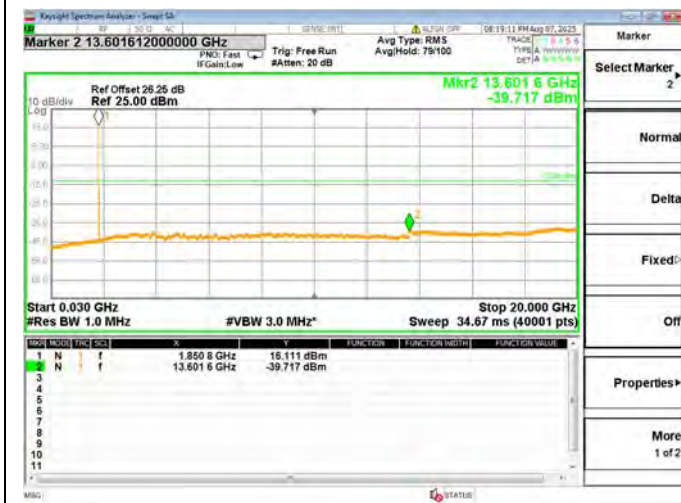


GSM1900(GSM), CH810, 1909.8MHz

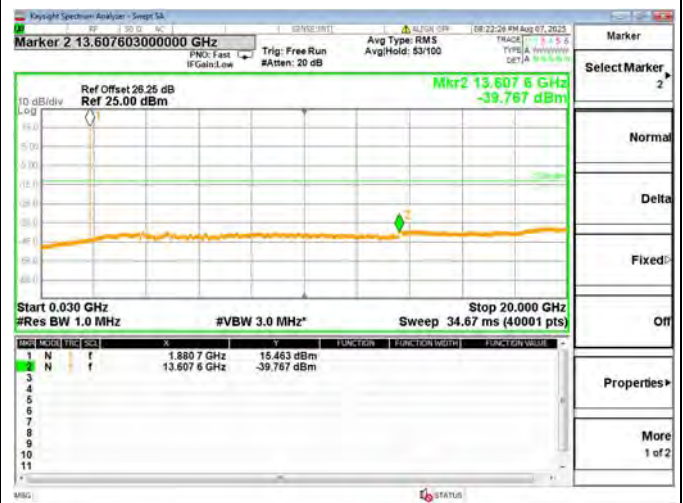




GSM1900(EDGE), CH512, 1850.2MHz



GSM1900(EDGE), CH661, 1880.0MHz

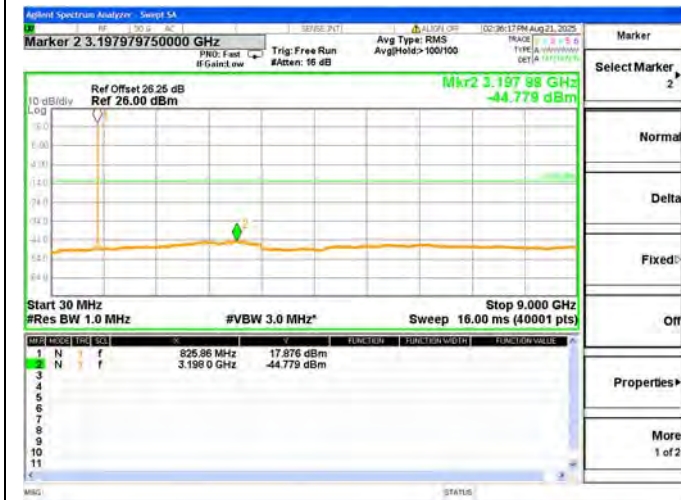


GSM1900(EDGE), CH810, 1909.8MHz

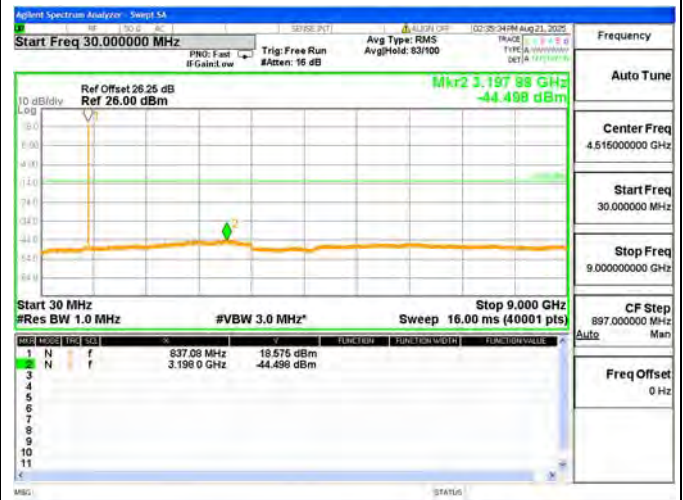




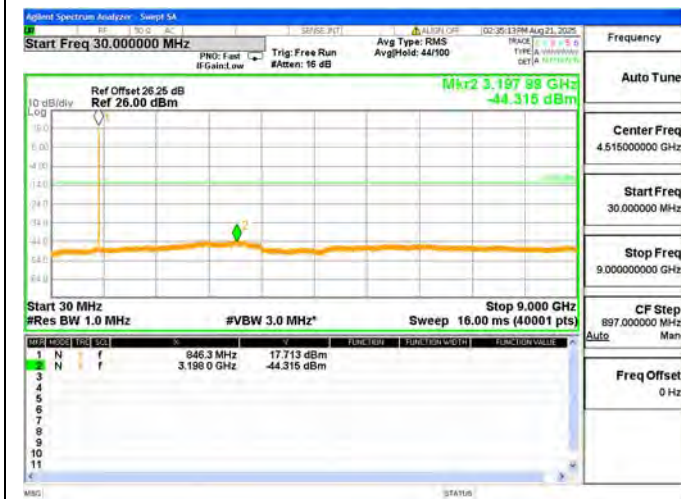
WCDMA Band V, CH4132, 826.4MHz



WCDMA Band V, CH4182, 836.4MHz

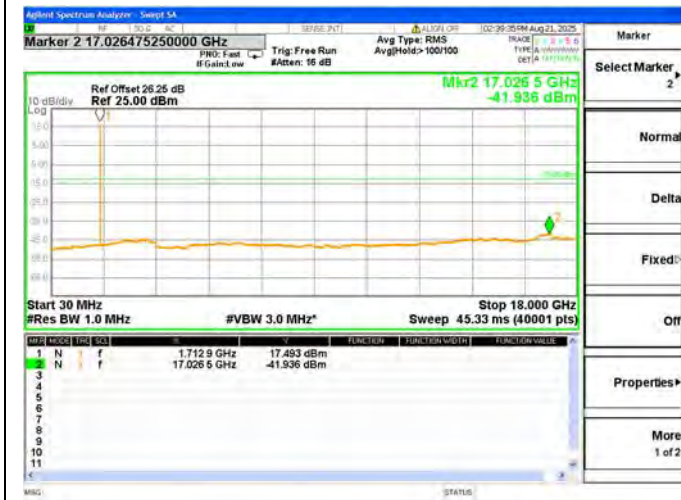


WCDMA Band V, CH4233, 846.6MHz





WCDMA Band IV, CH1312, 1712.4MHz



WCDMA Band IV, CH1413, 1732.6MHz

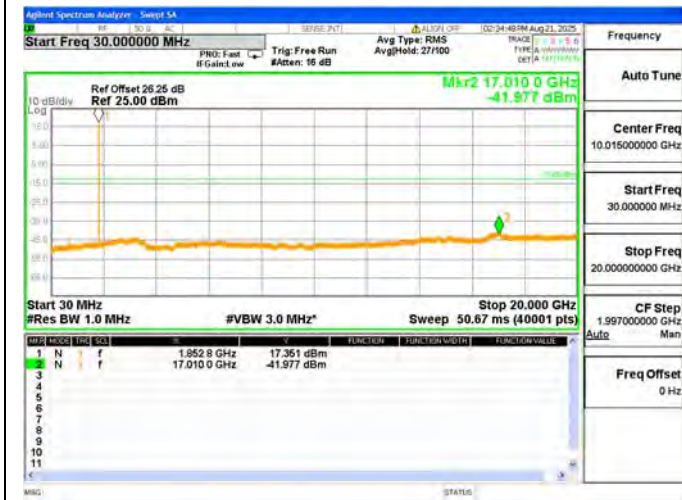


WCDMA Band IV, CH1513, 1752.6MHz





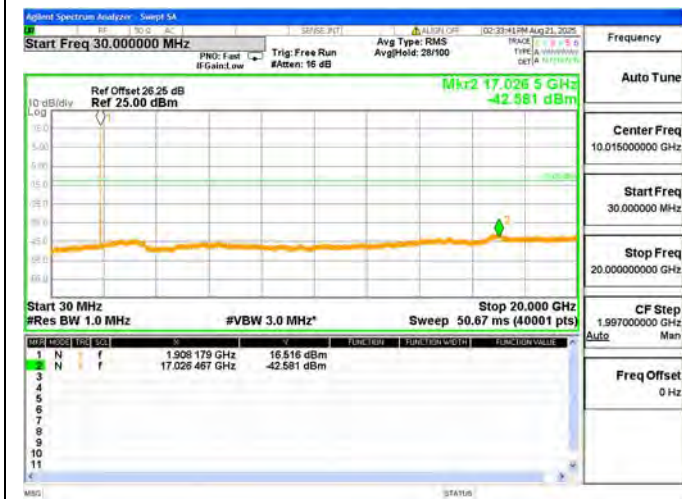
WCDMA Band II, CH9262, 1852.4MHz



WCDMA Band II, CH9400, 1880.0MHz



WCDMA Band II, CH9538, 1907.6MHz



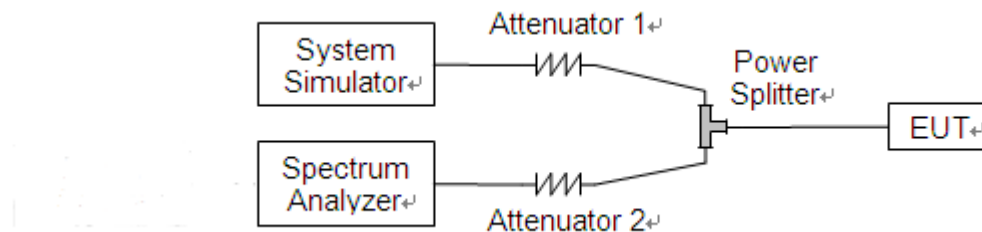
2.6. Band Edge

2.6.1. Requirement

According to FCC section 22.917(a), 24.238(a) and 27.53(h) 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 $43 + 10 \cdot \log(P)$ dB.

2.6.2. Test Description

Test Setup:



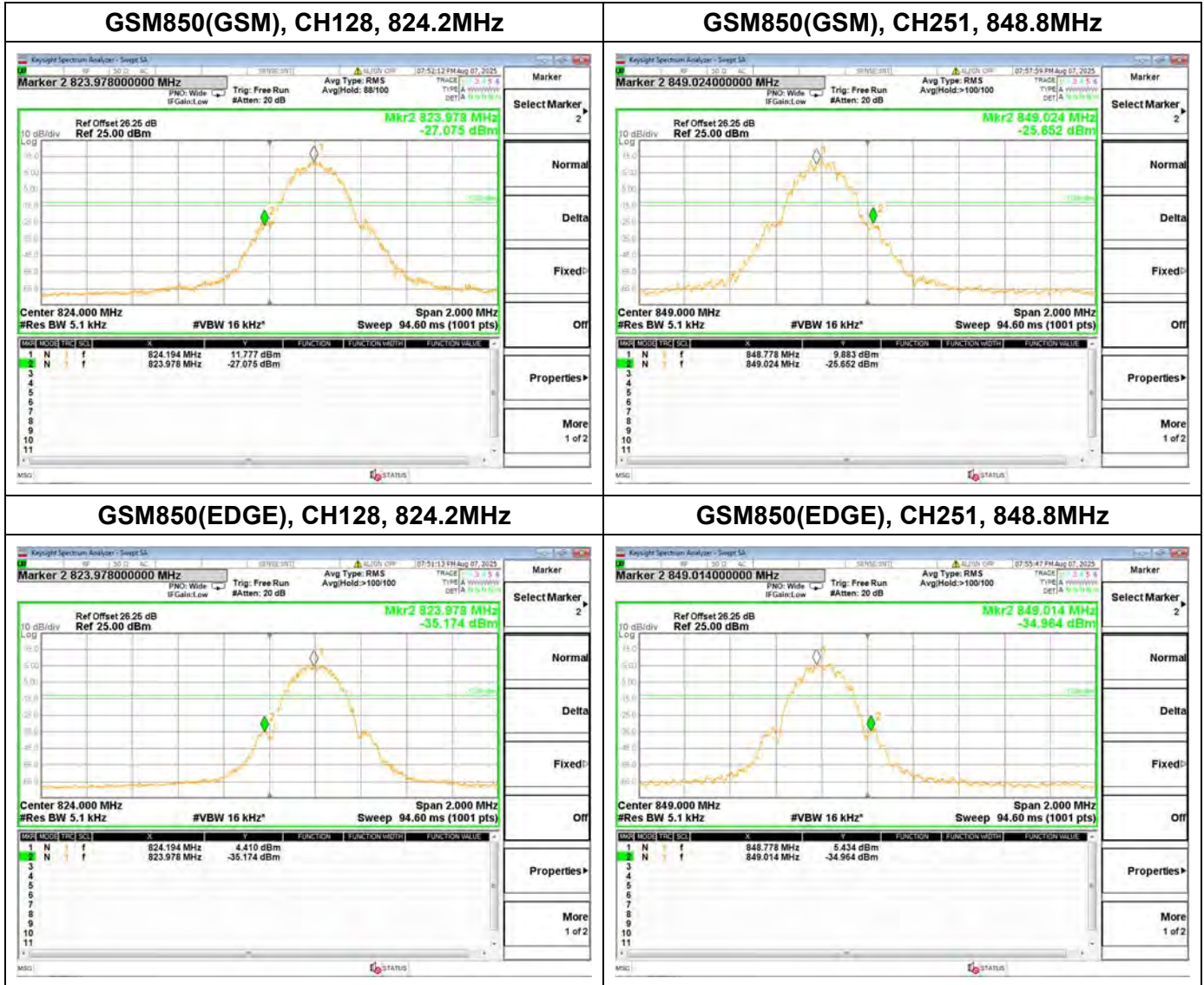
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50 Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the SS.





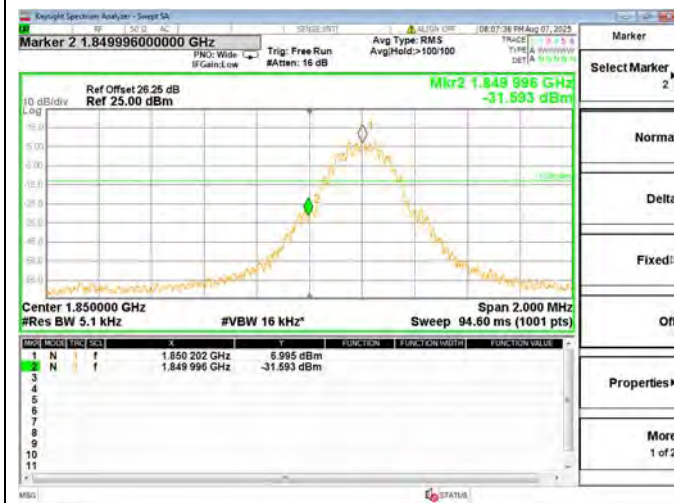
2.6.3. Test Result

The lowest and highest channels are tested to verify the band edge emissions.

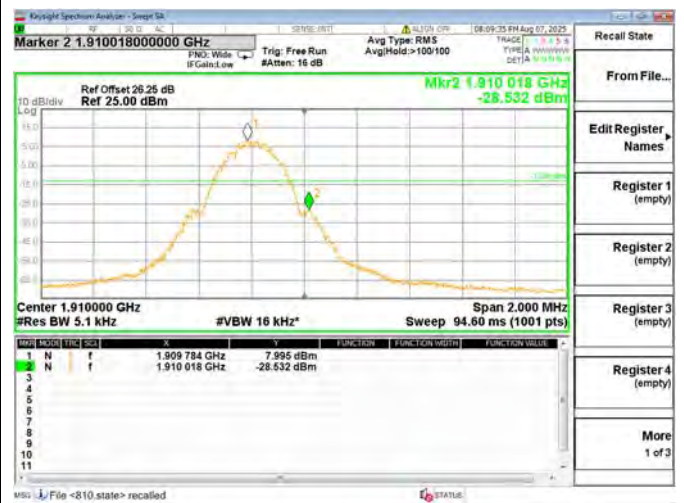




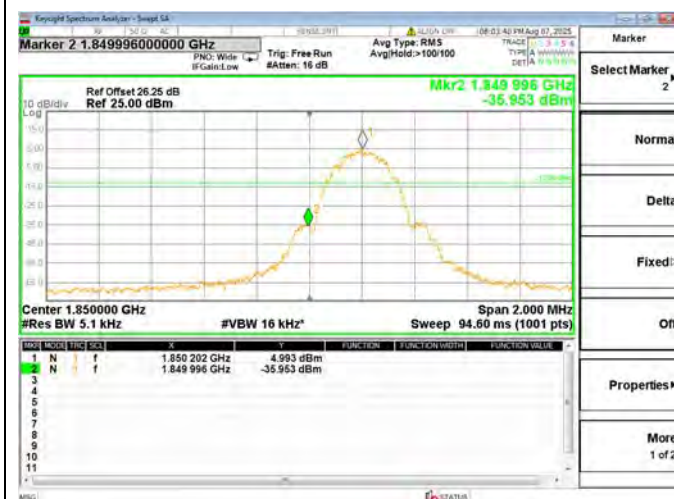
GSM1900(GSM), CH512, 1850.2MHz



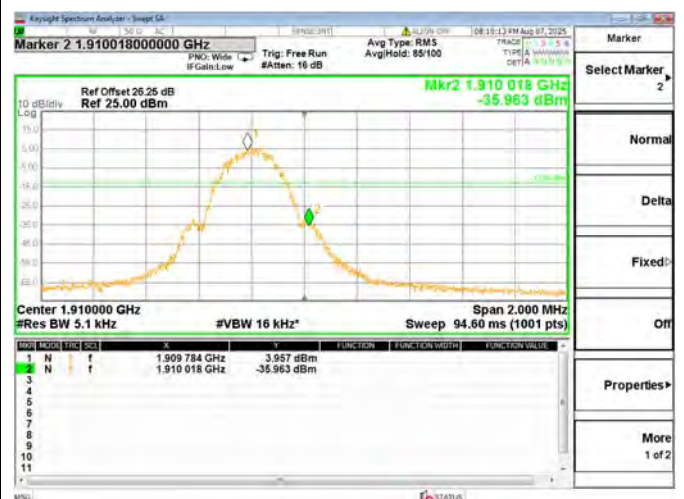
GSM1900(GSM), CH810, 1909.8MHz



GSM1900(EDGE), CH512, 1850.2MHz



GSM1900(EDGE), CH810, 1909.8MHz





WCDMA Band V, CH4132, 826.4MHz



WCDMA Band V, CH4233, 846.6MHz



WCDMA Band IV, CH1312, 1712.4MHz



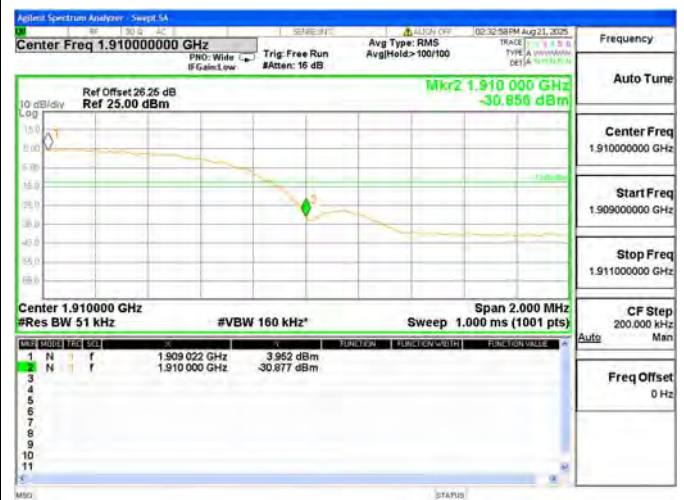
WCDMA Band IV, CH1513, 1752.6MHz



WCDMA Band II, CH9262, 1852.4MHz



WCDMA Band II, CH9538, 1907.6MHz



2.7. Determining E.R.P. and/or E.I.R.P. from conducted RF output power measurements

2.7.1. Requirement

According to FCC section 22.913, the Effective Radiated Power (E.R.P.) of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

According to FCC section 24.232, the broadband PCS mobile station is limited to 2 Watts e.i.r.p. peak power.

According to FCC section 27.50, mobile, and portable (hand-held) stations is limited to 1 Watts e.i.r.p. peak power.

2.7.2. Test Description

The test setups refer to section 2.1.3

A call is established between the EUT and the SS via a Common Antenna. The EUT is commanded by the SS to operate at the maximum and minimum output power (i.e. GSM850MHz band Power Control Level (PCL) = 5/19 and Power Class = 4, GSM1900MHz band Power Control Level (PCL) = 0/15 and Power Class = 1), and only the test result of the maximum output power was recorded. Please refer to section 2.1.3 of this report.

The relevant equation for determining the maximum E.R.P. or E.I.R.P. from the measured RF output power is given in Equation (1) as follows:

$$\text{E.R.P. or E.I.R.P.} = P_{\text{Meas}} + G_{\text{T}}$$

Where:

E.R.P. or E.I.R.P. effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas} , e.g., dBm or dBW)

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

G_{T} gain of the transmitting antenna, in dBd (E.R.P.) or dBi (E.I.R.P.)

For devices utilizing multiple antennas, see ANSI C63.25-2015 6.4 for guidance with respect to determining the effective array transmit antenna gain term to be used in the above equation.

The following equations demonstrate the mathematical relationship between E.R.P. and E.I.R.P.:

a) E.R.P. = E.I.R.P. - 2.15, where E.R.P. and E.I.R.P. are expressed in consistent units.

b) E.I.R.P. = E.R.P. + 2.15, where E.R.P. and E.I.R.P. are expressed in consistent units.





2.7.3.Test Result

GSM850								
Band	Channel	Frequency (MHz)	PCL	Measured E.R.P.		Limit		Verdict
				dBm	W	dBm	W	
GSM	128	824.20	5	27.50	0.562	38.5	7	PASS
	189	836.40	5	27.53	0.566			PASS
	251	848.80	5	27.51	0.564			PASS
GPRS	128	824.20	5	27.48	0.560	38.5	7	PASS
	189	836.40	5	27.52	0.565			PASS
	251	848.80	5	27.50	0.562			PASS
EDGE	128	824.20	5	22.33	0.171	38.5	7	PASS
	189	836.40	5	22.30	0.170			PASS
	251	848.80	5	22.26	0.168			PASS
Note 1: For the GPRS and EDGE mode, all the slots were tested and just the worst data were recorded in this report.								

GSM1900								
Band	Channel	Frequency (MHz)	PCL	Measured E.I.R.P.		Limit		Verdict
				dBm	W	dBm	W	
GSM	512	1850.2	0	26.51	0.448	33	2	PASS
	661	1880.0	0	26.55	0.452			PASS
	810	1909.8	0	26.53	0.450			PASS
GPRS	512	1850.2	0	26.50	0.447	33	2	PASS
	661	1880.0	0	26.52	0.449			PASS
	810	1909.8	0	26.51	0.448			PASS
EDGE	512	1850.2	0	23.41	0.219	33	2	PASS
	661	1880.0	0	23.39	0.218			PASS
	810	1909.8	0	23.26	0.212			PASS
Note 1: For the GPRS and EDGE mode, all the slots were tested and just the worst data were recorded in this report.								





WCDMA Band V							
Band	Channel	Frequency (MHz)	Measured E.R.P.		Limit		Verdict
			dBm	W	dBm	W	
WCDMA	4132	826.4	18.90	0.078	38.5	7	PASS
	4182	836.4	18.91	0.078			PASS
	4233	846.6	18.85	0.077			PASS
HSPA+	4132	826.4	17.36	0.054	38.5	7	PASS
	4182	836.4	17.37	0.055			PASS
	4233	846.6	17.28	0.053			PASS
Note 1: For the HSDPA and HSUPA mode, all the subtests were tested and just the worst data were recorded in this report.							

WCDMA Band IV							
Band	Channel	Frequency (MHz)	Measured E.I.R.P.		Limit		Verdict
			dBm	W	dBm	W	
WCDMA	1312	1712.4	20.79	0.120	30	1	PASS
	1413	1732.6	20.84	0.121			PASS
	1513	1752.6	20.80	0.120			PASS
HSPA+	1312	1712.4	19.31	0.085	30	1	PASS
	1413	1732.6	19.32	0.086			PASS
	1513	1752.6	19.24	0.084			PASS
Note 1: For the HSDPA and HSUPA mode, all the subtests were tested and just the worst data were recorded in this report.							

WCDMA Band II							
Band	Channel	Frequency (MHz)	Measured E.I.R.P.		Limit		Verdict
			dBm	W	dBm	W	
WCDMA	9262	1852.4	20.71	0.118	33	2	PASS
	9400	1880.0	20.82	0.121			PASS
	9538	1907.6	20.75	0.119			PASS
HSUP+	9262	1852.4	19.18	0.083	33	2	PASS
	9400	1880.0	19.27	0.085			PASS
	9538	1907.6	19.34	0.086			PASS
Note 1: For the HSDPA and HSUPA mode, all the subtests were tested and just the worst data were recorded in this report.							

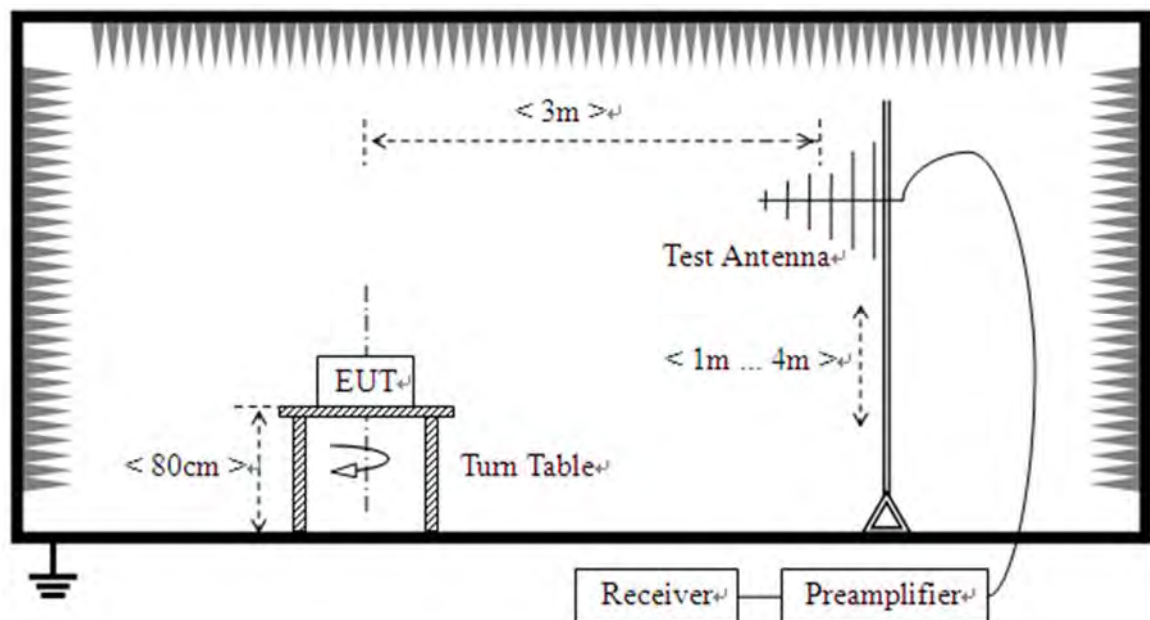


2.8. Radiated Out of Band Emissions

2.8.1. Requirement

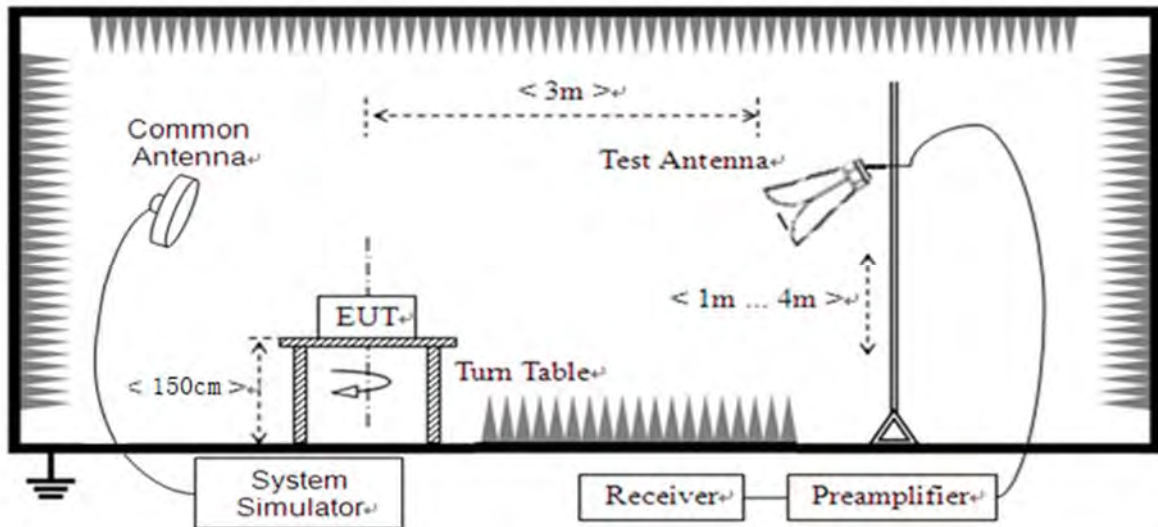
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \cdot \log(P)$ dB. This calculated to be -13dBm. The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency.

2.8.2. Test Description



(For the test frequency from 30MHz to 1GHz)





(For the test frequency above 1GHz)

The EUT is located in a 3m Full-Anechoic Chamber, the cable loss, air loss and so on of the site as factors are pre-calibrated using the "Substitution" method, and calculated to correct the reading. A call is established between the EUT and the SS via a Common Antenna. The EUT is commanded by the SS to operate at the maximum and minimum output power and only the test result of the maximum output power was recorded.

In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 1GHz) and Horn Test Antenna (above 1GHz) are used. Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground and the Turn Table is actuated to turn from 0° to 360° to determine the maximum value of the radiated power. The emission levels at both horizontal and vertical polarizations should be tested. The Filters consists of Notch Filters and High Pass Filter.

Note: When doing measurements above 1GHz, the EUT has been within the 3dB cone width of the horn antenna during horizontal antenna.

2.8.3.Test Procedure

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements.

For measurements above 1GHz the resolution bandwidth is set to 1MHz, the video band width is set to 3MHz for peak measurements.



2.8.4.Test Result

Note1: The power of the EUT transmitting frequency should be ignored.

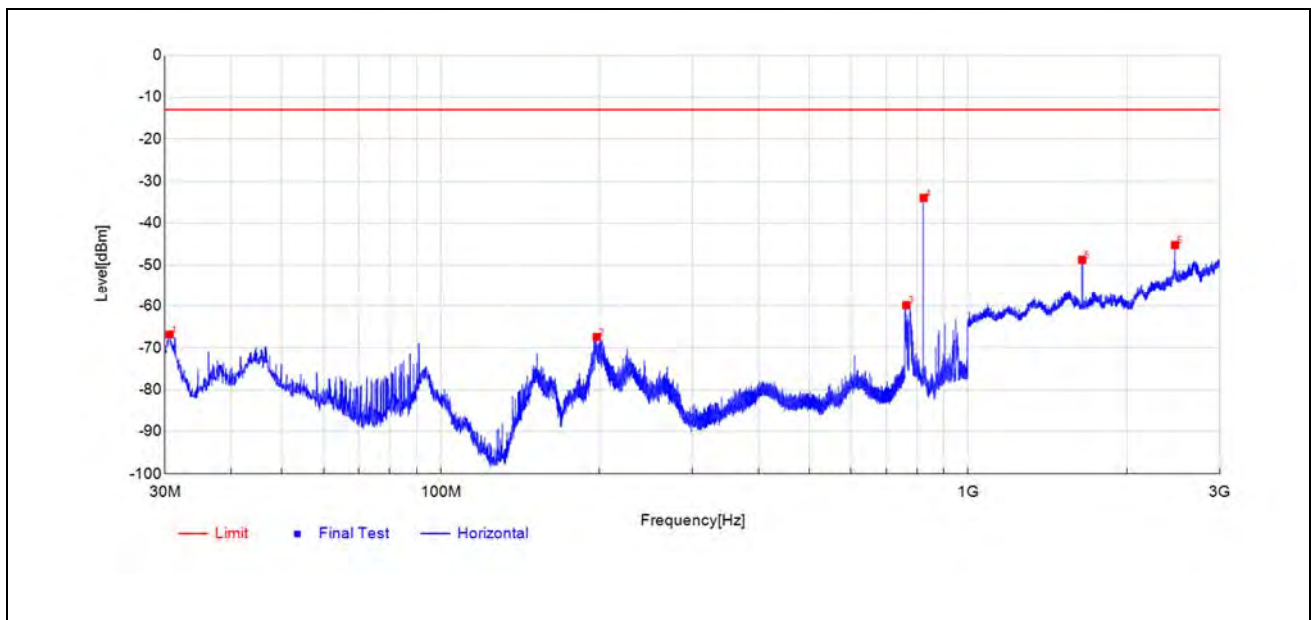
Note2: All test mode and condition mentioned were considered and evaluated respectively by performing full test, only the worst data were recorded and reported.

Note3: All spurious emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Note4: NA means the frequency is the basic frequency or the base station frequency, they are no need to verdict.

GSM850(GSM)

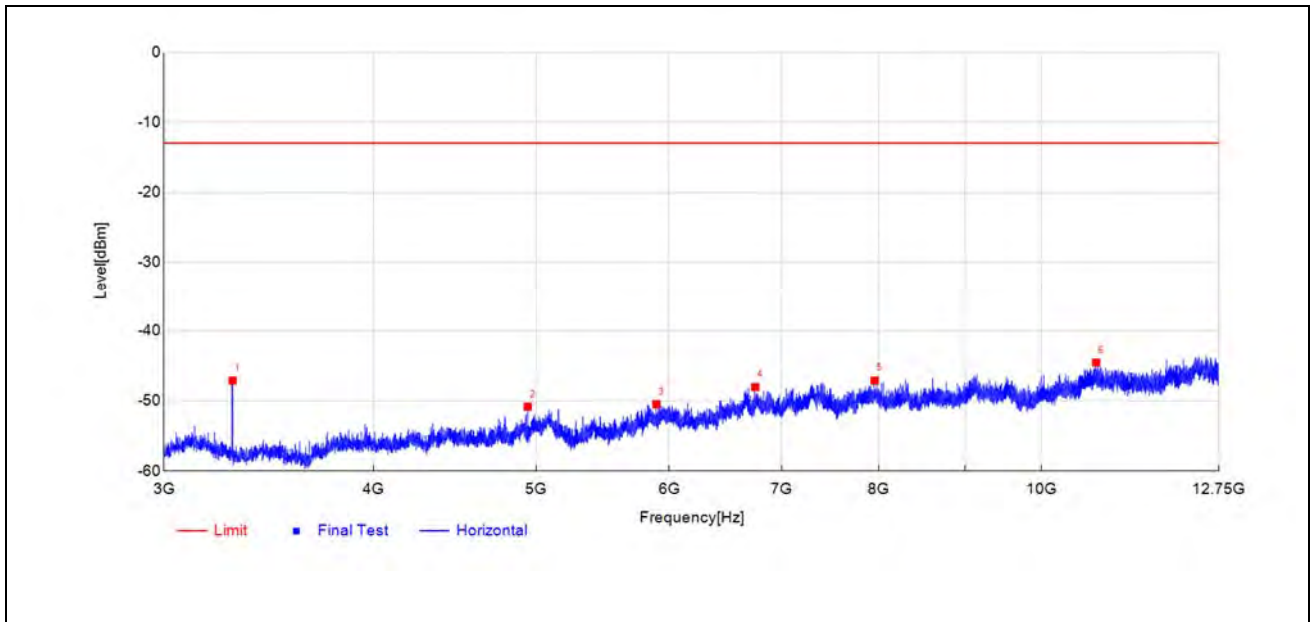
Plot for Low Channel



(Antenna Horizontal, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
30.6305	-55.52	-66.80	-11.3	-13.0	53.8	Horizontal	PASS
197.4789	-48.99	-67.50	-18.5	-13.0	54.5	Horizontal	PASS
762.2896	-54.43	-59.76	-5.3	-13.0	46.8	Horizontal	PASS
824.2272	-28.45	-33.96	-5.5	-13.0	21.0	Horizontal	NA
1648.1296	-48.66	-48.77	-0.1	-13.0	35.8	Horizontal	PASS
2472.6945	-52.63	-45.16	7.5	-13.0	32.2	Horizontal	PASS

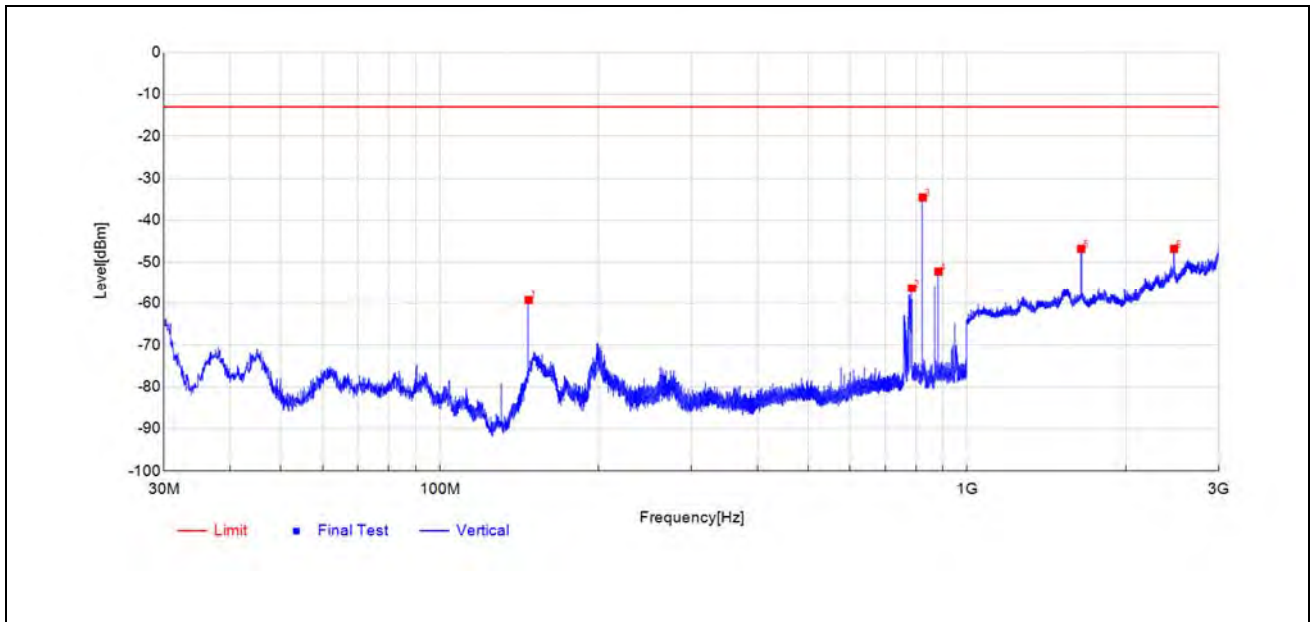




(Antenna Horizontal, 3GHz to 12.75GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3296.4148	-42.82	-47.11	-4.3	-13.0	34.1	Horizontal	PASS
4944.7347	-51.88	-50.85	1.0	-13.0	37.9	Horizontal	PASS
5896.8698	-54.34	-50.51	3.8	-13.0	37.5	Horizontal	PASS
6751.0126	-54.20	-48.03	6.2	-13.0	35.0	Horizontal	PASS
7951.2976	-54.39	-47.10	7.3	-13.0	34.1	Horizontal	PASS
10776.5013	-56.69	-44.60	12.1	-13.0	31.6	Horizontal	PASS

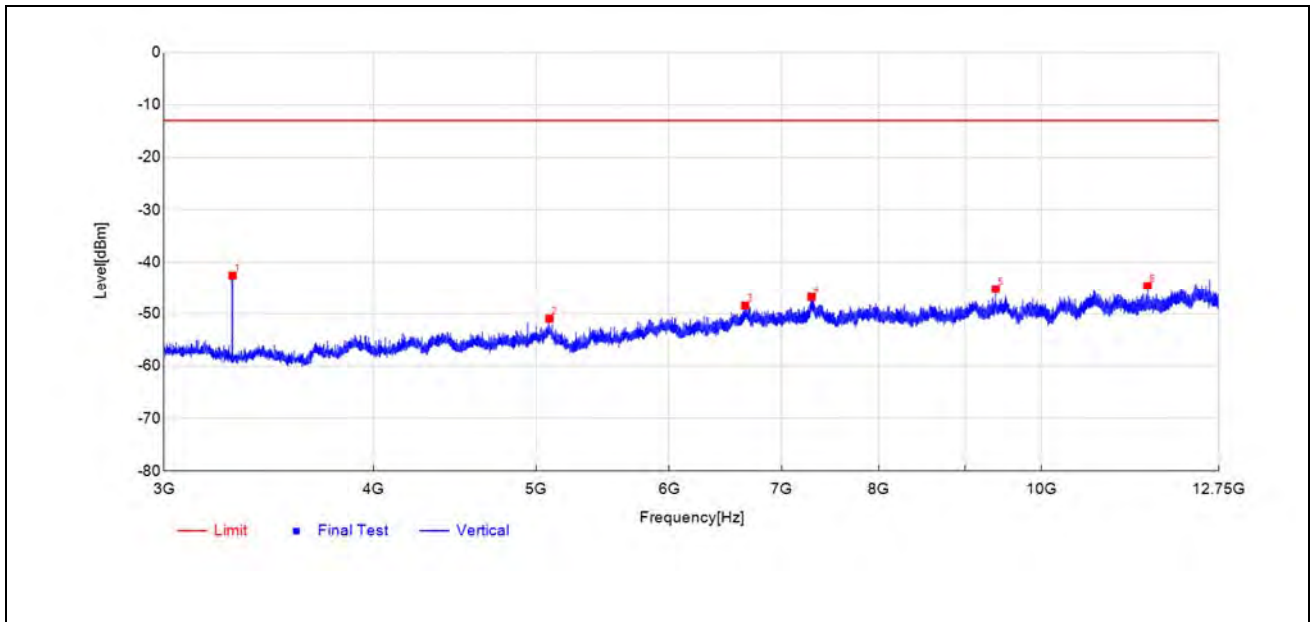




(Antenna Vertical, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
147.3274	-39.56	-59.19	-19.6	-13.0	46.2	Vertical	PASS
786.5408	-50.13	-56.28	-6.2	-13.0	43.3	Vertical	PASS
824.2757	-29.27	-34.60	-5.3	-13.0	21.6	Vertical	NA
881.4601	-46.32	-52.26	-5.9	-13.0	39.3	Vertical	PASS
1648.5297	-48.59	-46.79	1.8	-13.0	33.8	Vertical	PASS
2472.2945	-54.01	-46.75	7.3	-13.0	33.8	Vertical	PASS



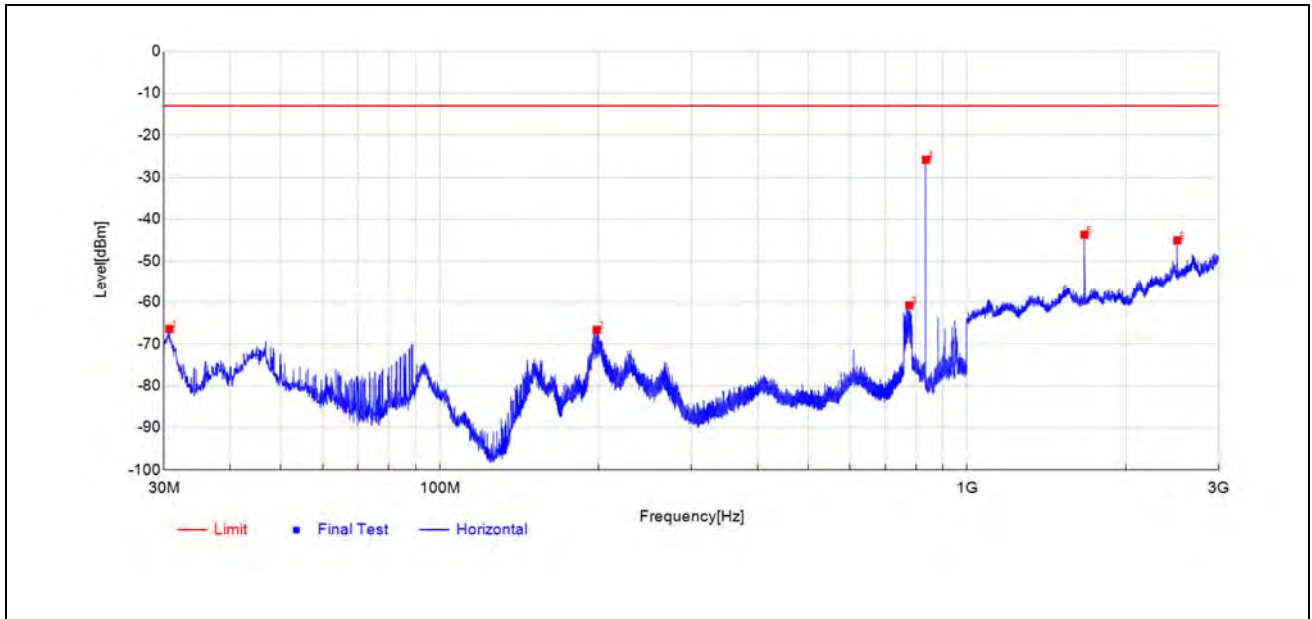


(Antenna Vertical, 3GHz to 12.75GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3296.4148	-37.75	-42.65	-4.9	-13.0	29.7	Vertical	PASS
5091.4796	-52.87	-50.98	1.9	-13.0	38.0	Vertical	PASS
6656.9203	-54.89	-48.44	6.5	-13.0	35.4	Vertical	PASS
7297.0399	-54.72	-46.72	8.0	-13.0	33.7	Vertical	PASS
9388.5194	-54.03	-45.20	8.8	-13.0	32.2	Vertical	PASS
11569.7035	-56.30	-44.56	11.7	-13.0	31.6	Vertical	PASS



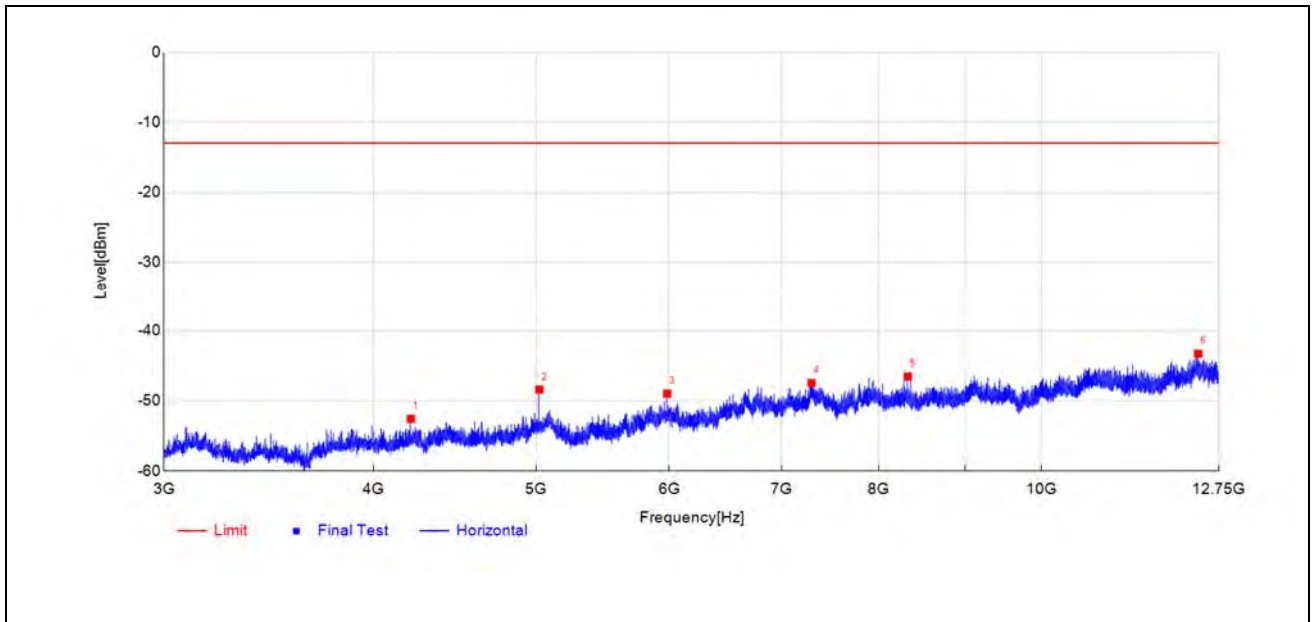
Plot for Mid Channel



(Antenna Horizontal, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
30.679	-55.28	-66.55	-11.3	-13.0	53.6	Horizontal	PASS
198.5944	-48.50	-66.73	-18.2	-13.0	53.7	Horizontal	PASS
776.2583	-56.80	-60.85	-4.1	-13.0	47.9	Horizontal	PASS
836.4013	-19.42	-25.79	-6.4	-13.0	12.8	Horizontal	PASS
1672.5345	-44.09	-43.69	0.4	-13.0	30.7	Horizontal	PASS
2509.1018	-51.09	-45.01	6.1	-13.0	32.0	Horizontal	PASS

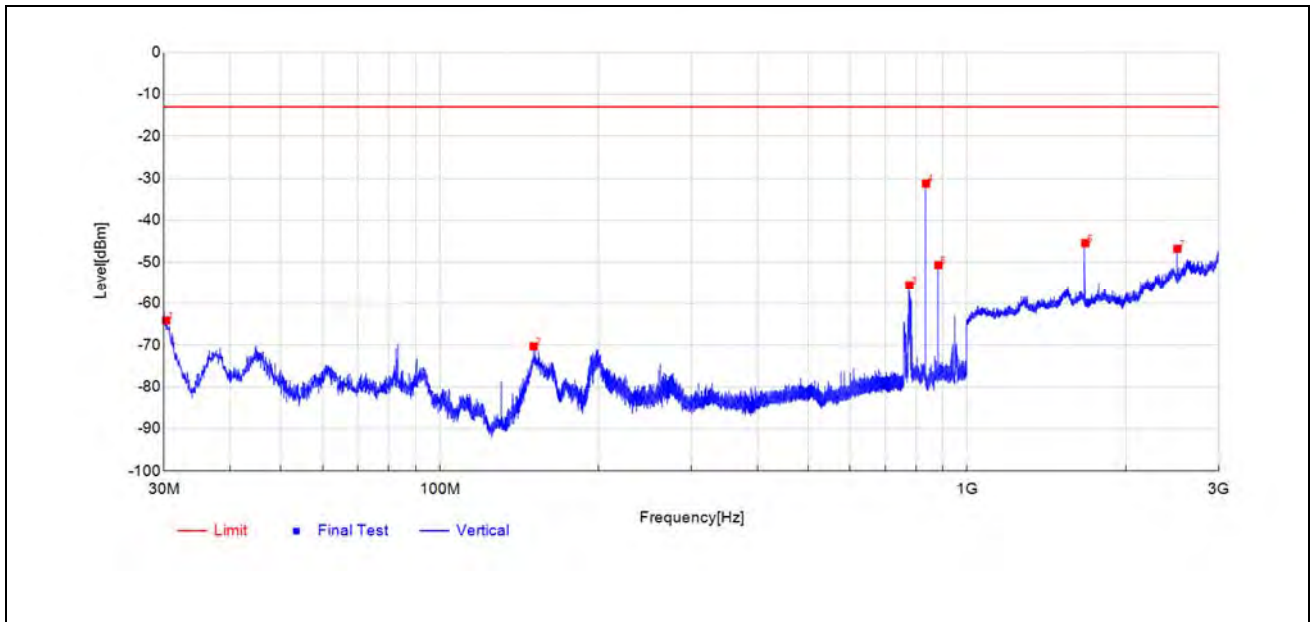




(Antenna Horizontal, 3GHz to 12.75GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
4209.548	-51.52	-52.58	-1.1	-13.0	39.6	Horizontal	PASS
5018.8384	-50.28	-48.42	1.9	-13.0	35.4	Horizontal	PASS
5982.6741	-53.48	-48.96	4.5	-13.0	36.0	Horizontal	PASS
7291.6771	-55.25	-47.41	7.8	-13.0	34.4	Horizontal	PASS
8318.8909	-54.27	-46.49	7.8	-13.0	33.5	Horizontal	PASS
12392.6446	-58.13	-43.24	14.9	-13.0	30.2	Horizontal	PASS

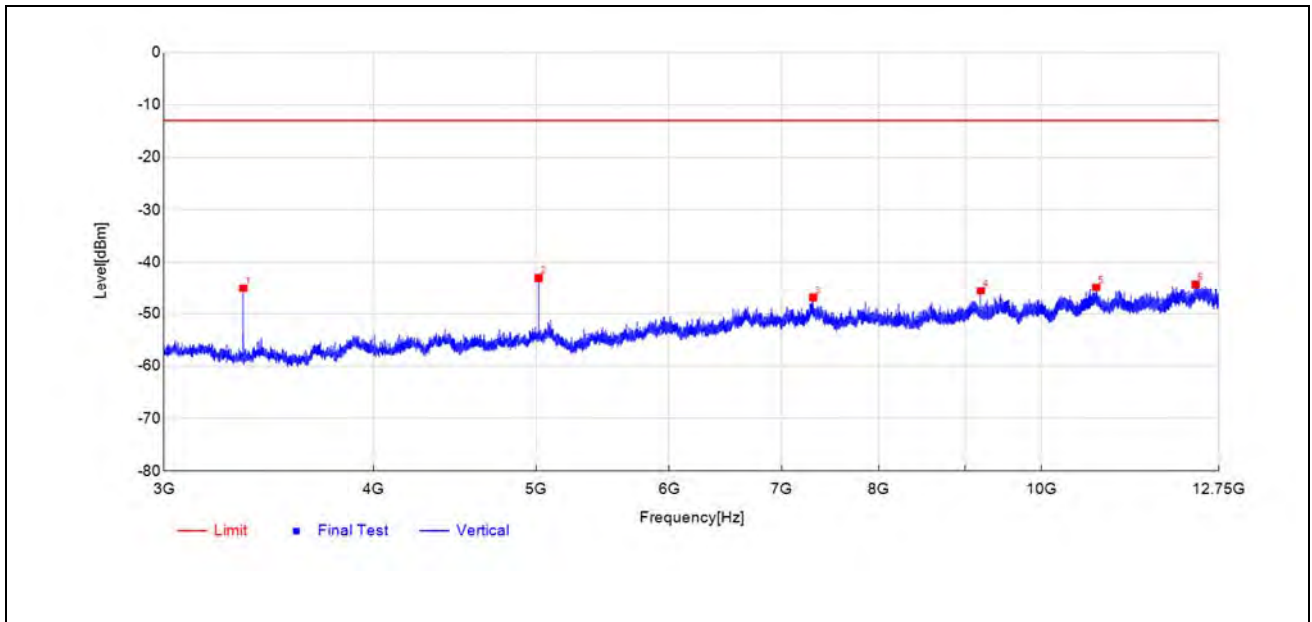




(Antenna Vertical, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
30.3395	-43.65	-64.19	-20.5	-13.0	51.2	Vertical	PASS
150.674	-50.82	-70.39	-19.6	-13.0	57.4	Vertical	PASS
777.2284	-49.51	-55.54	-6.0	-13.0	42.5	Vertical	PASS
836.4498	-25.58	-31.16	-5.6	-13.0	18.2	Vertical	PASS
881.4601	-44.79	-50.73	-5.9	-13.0	37.7	Vertical	PASS
1672.9346	-46.34	-45.46	0.9	-13.0	32.5	Vertical	PASS
2509.5019	-52.10	-46.75	5.4	-13.0	33.8	Vertical	PASS



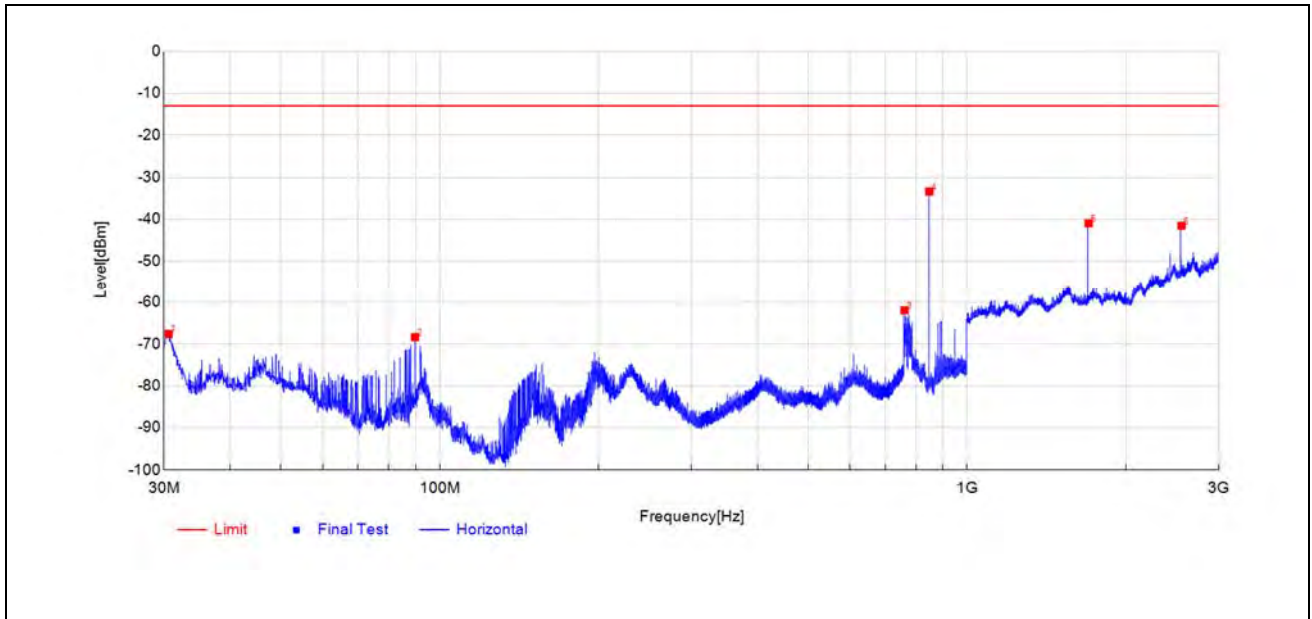


(Antenna Vertical, 3GHz to 12.75GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3345.6548	-40.19	-45.00	-4.8	-13.0	32.0	Vertical	PASS
5018.3509	-44.32	-43.06	1.3	-13.0	30.1	Vertical	PASS
7310.6905	-54.82	-46.88	7.9	-13.0	33.9	Vertical	PASS
9199.8475	-53.72	-45.54	8.2	-13.0	32.5	Vertical	PASS
10778.4514	-56.74	-44.94	11.8	-13.0	31.9	Vertical	PASS
12357.5429	-57.82	-44.31	13.5	-13.0	31.3	Vertical	PASS



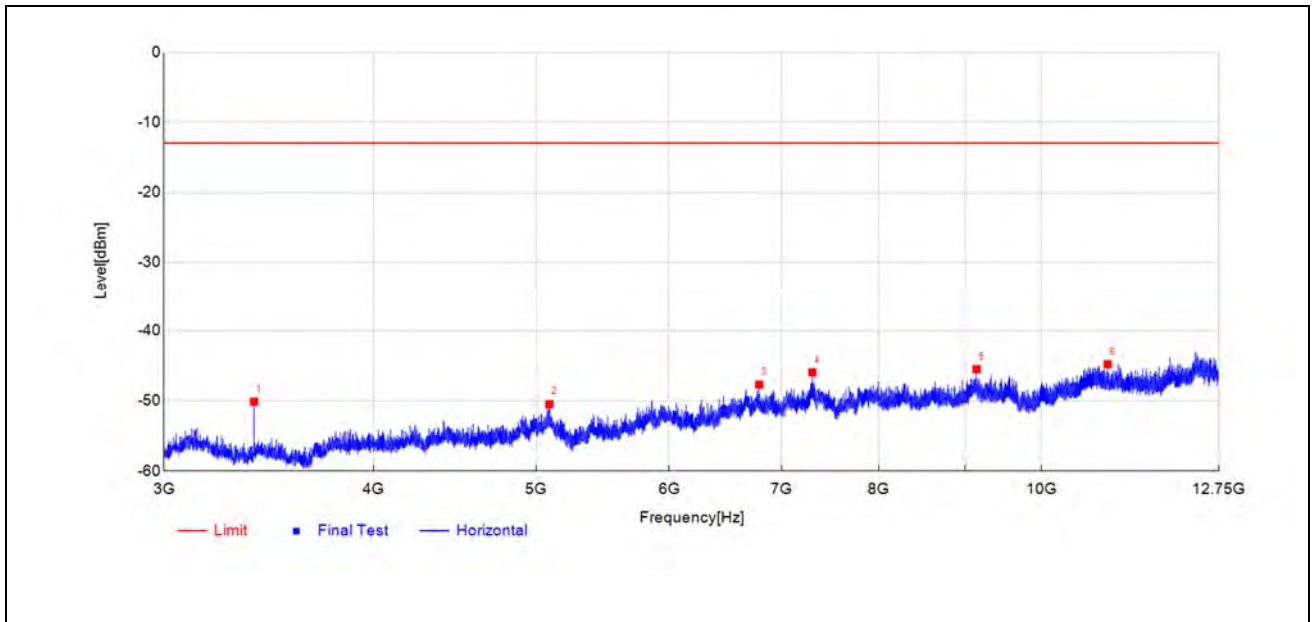
Plot for High Channel



(Antenna Horizontal, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
30.6305	-56.27	-67.55	-11.3	-13.0	54.6	Horizontal	PASS
89.9005	-46.52	-68.45	-21.9	-13.0	55.5	Horizontal	PASS
760.204	-56.25	-61.92	-5.7	-13.0	48.9	Horizontal	PASS
848.7694	-25.64	-33.34	-7.7	-13.0	20.3	Horizontal	PASS
1697.7395	-42.11	-40.93	1.2	-13.0	27.9	Horizontal	PASS
2546.3093	-48.65	-41.62	7.0	-13.0	28.6	Horizontal	PASS

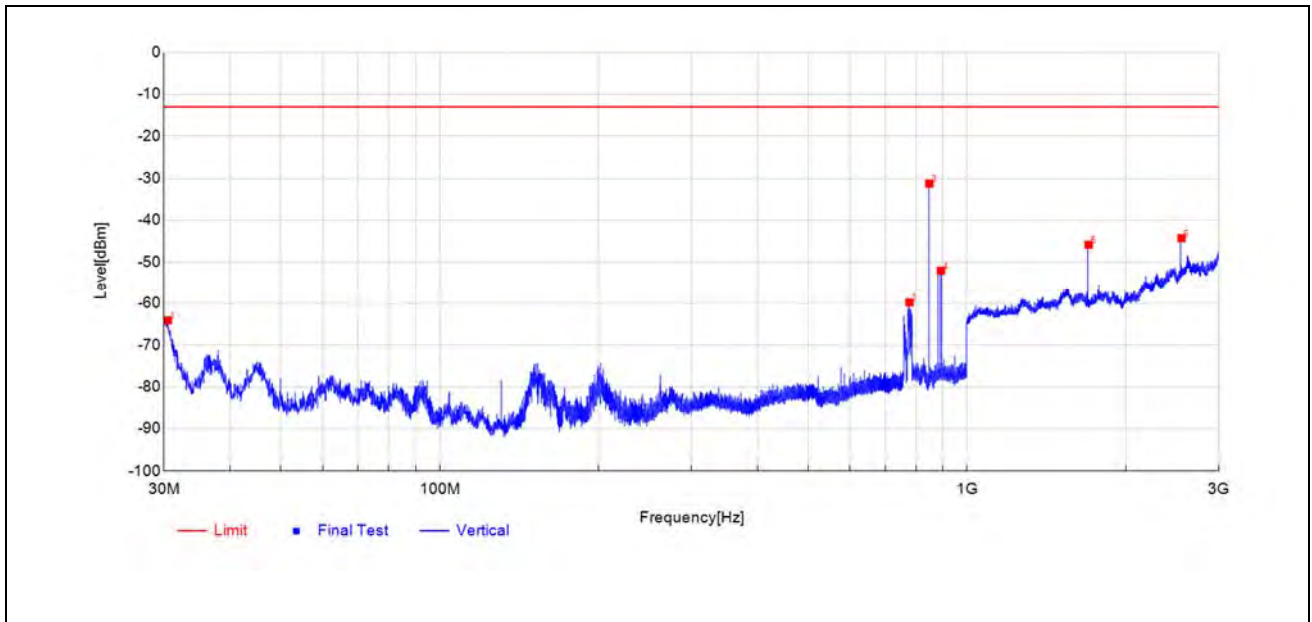




(Antenna Horizontal, 3GHz to 12.75GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3395.3823	-46.22	-50.15	-3.9	-13.0	37.2	Horizontal	PASS
5092.9421	-52.92	-50.45	2.5	-13.0	37.5	Horizontal	PASS
6790.502	-54.19	-47.69	6.5	-13.0	34.7	Horizontal	PASS
7305.8153	-54.02	-46.00	8.0	-13.0	33.0	Horizontal	PASS
9144.2697	-54.91	-45.48	9.4	-13.0	32.5	Horizontal	PASS
10950.06	-57.13	-44.80	12.3	-13.0	31.8	Horizontal	PASS

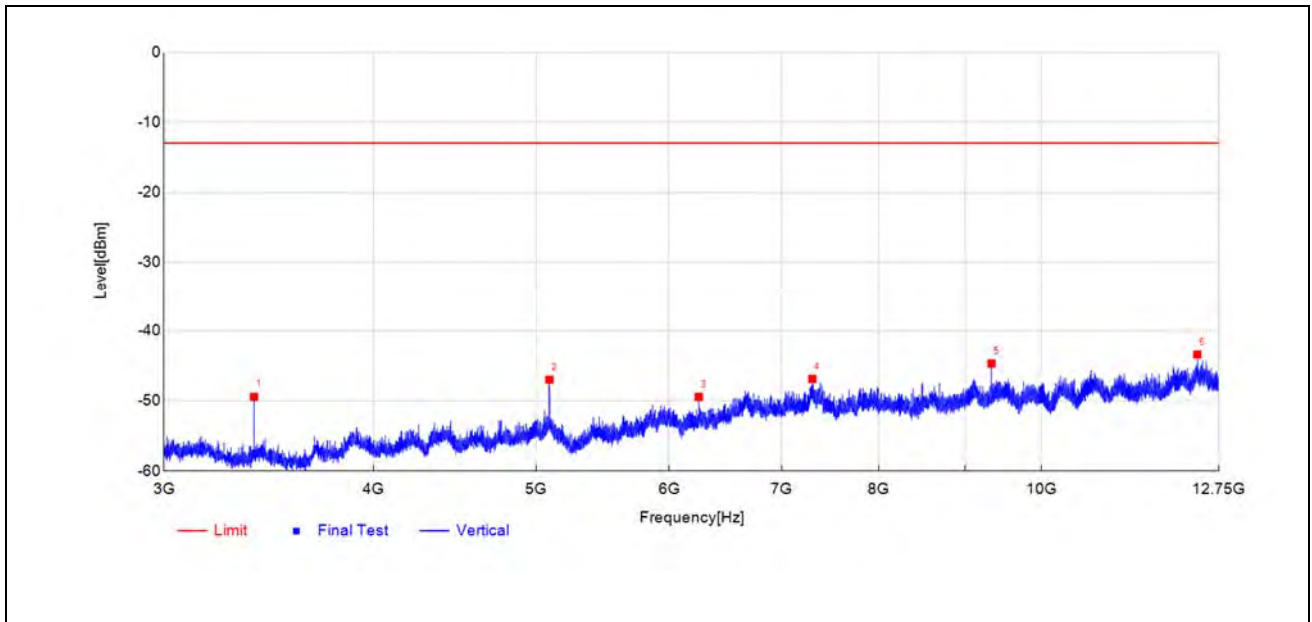




(Antenna Vertical, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
30.5335	-43.63	-64.11	-20.5	-13.0	51.1	Vertical	PASS
776.5493	-53.90	-59.92	-6.0	-13.0	46.9	Vertical	PASS
848.8179	-24.87	-31.25	-6.4	-13.0	18.3	Vertical	NA
893.7797	-46.40	-52.11	-5.7	-13.0	39.1	Vertical	PASS
1697.7395	-46.25	-45.80	0.5	-13.0	32.8	Vertical	PASS
2546.7093	-51.40	-44.36	7.0	-13.0	31.4	Vertical	PASS





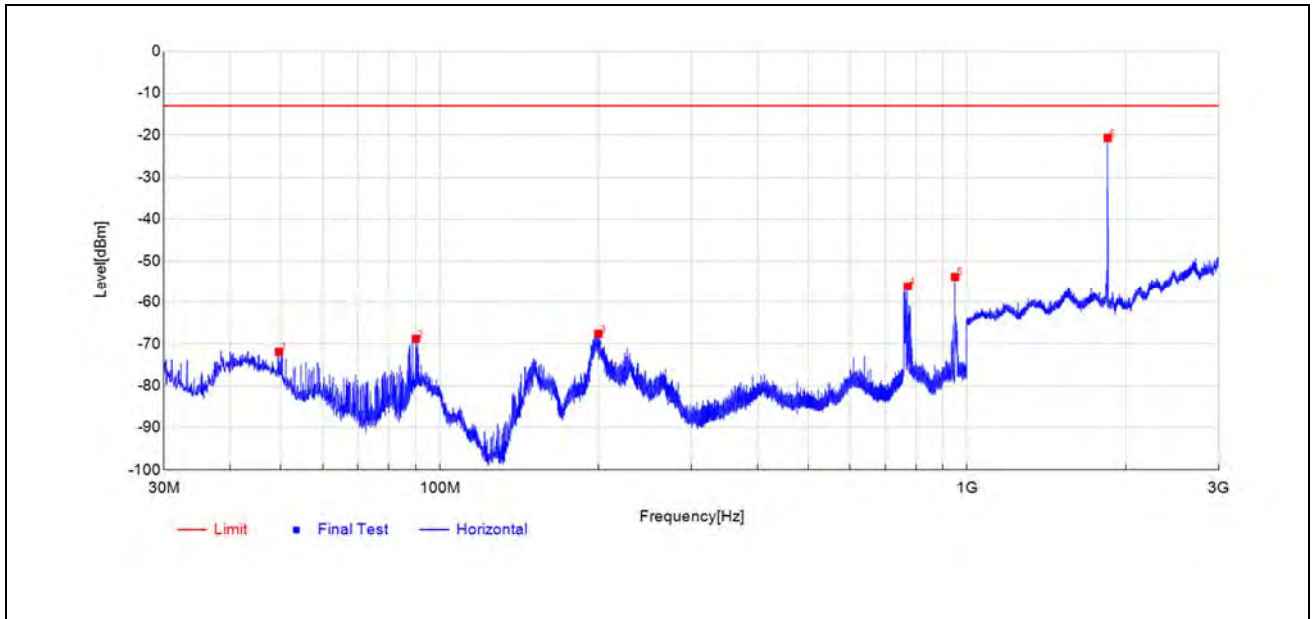
(Antenna Vertical, 3GHz to 12.75GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3394.8947	-45.29	-49.44	-4.2	-13.0	36.4	Vertical	PASS
5092.4546	-48.95	-47.05	1.9	-13.0	34.1	Vertical	PASS
6250.325	-53.44	-49.45	4.0	-13.0	36.5	Vertical	PASS
7303.8652	-54.93	-46.88	8.1	-13.0	33.9	Vertical	PASS
9337.8169	-52.95	-44.68	8.3	-13.0	31.7	Vertical	PASS
12387.2819	-57.32	-43.40	13.9	-13.0	30.4	Vertical	PASS



**GSM1900(GSM)**

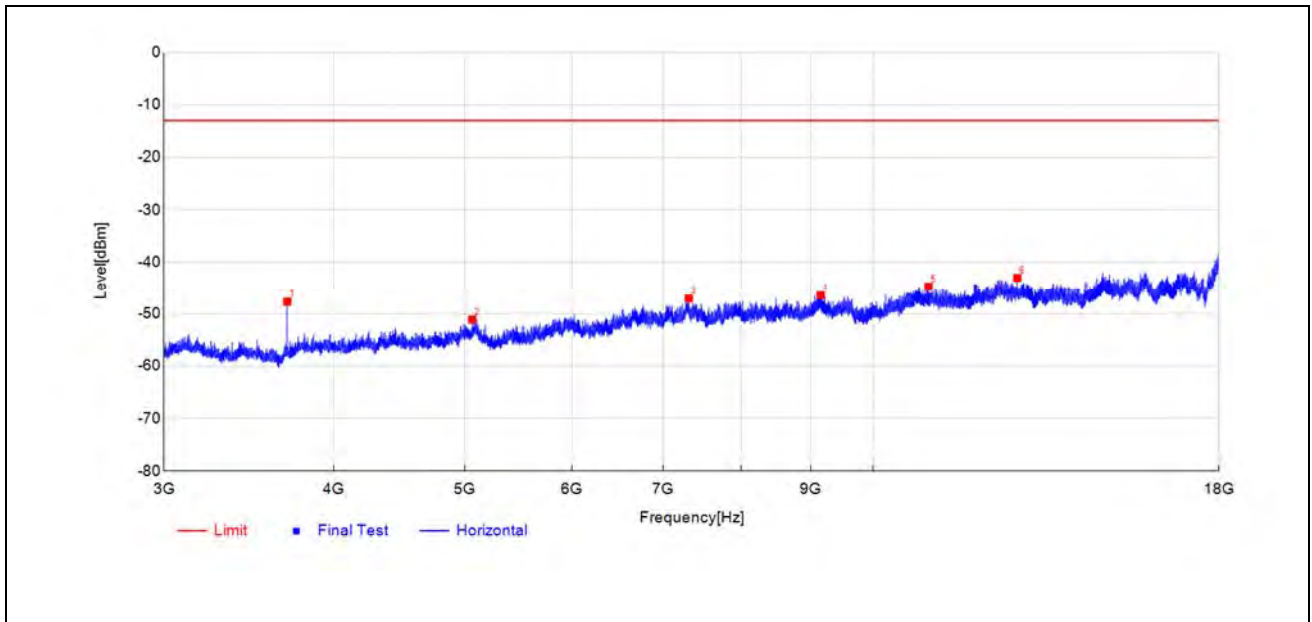
Plot for Low Channel



(Antenna Horizontal, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
49.498	-63.28	-71.84	-8.6	-13.0	58.8	Horizontal	PASS
90.143	-46.45	-68.80	-22.4	-13.0	55.8	Horizontal	PASS
199.807	-49.36	-67.60	-18.2	-13.0	54.6	Horizontal	PASS
771.6991	-50.83	-56.07	-5.2	-13.0	43.1	Horizontal	PASS
948.3934	-47.29	-53.73	-6.4	-13.0	40.7	Horizontal	PASS
1850.17	-22.84	-20.70	2.1	-13.0	7.7	Horizontal	PASS

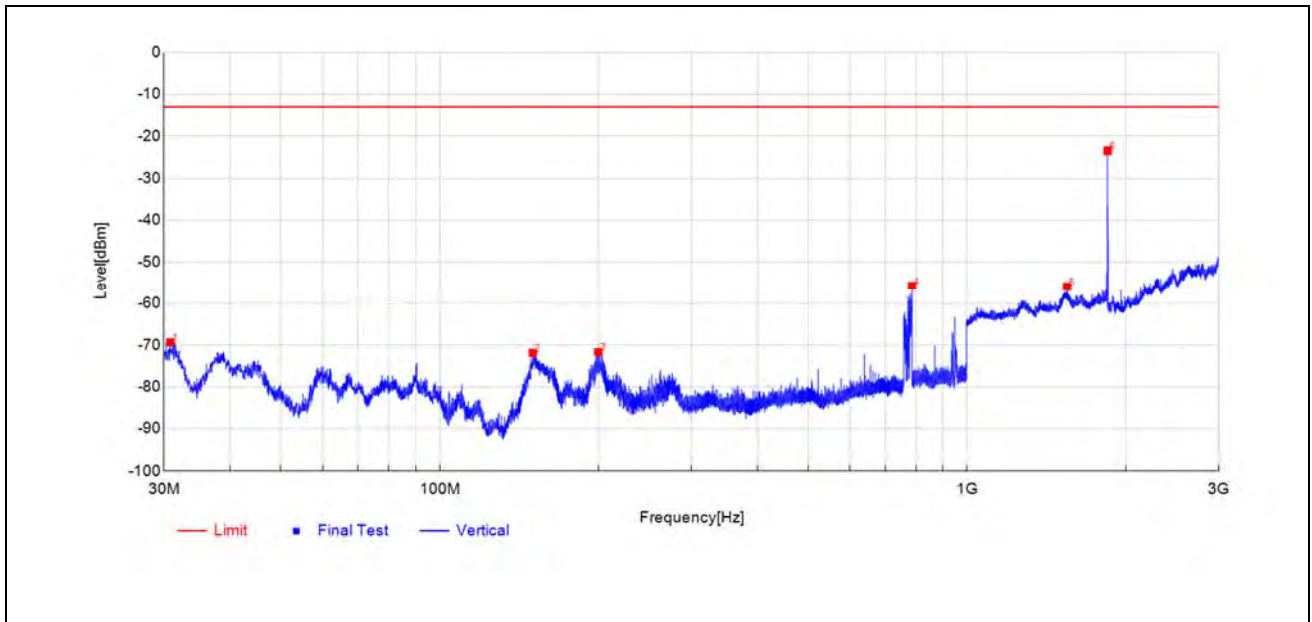




(Antenna Horizontal, 3GHz to 12.75GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
3700.0233	-44.05	-47.74	-3.7	-13.0	34.7	Horizontal	PASS
5067.5689	-53.48	-51.22	2.3	-13.0	38.2	Horizontal	PASS
7312.1437	-54.96	-47.02	7.9	-13.0	34.0	Horizontal	PASS
9150.705	-55.96	-46.44	9.5	-13.0	33.4	Horizontal	PASS
10995.7665	-57.19	-44.76	12.4	-13.0	31.8	Horizontal	PASS
12793.3264	-57.25	-43.00	14.3	-13.0	30.0	Horizontal	PASS

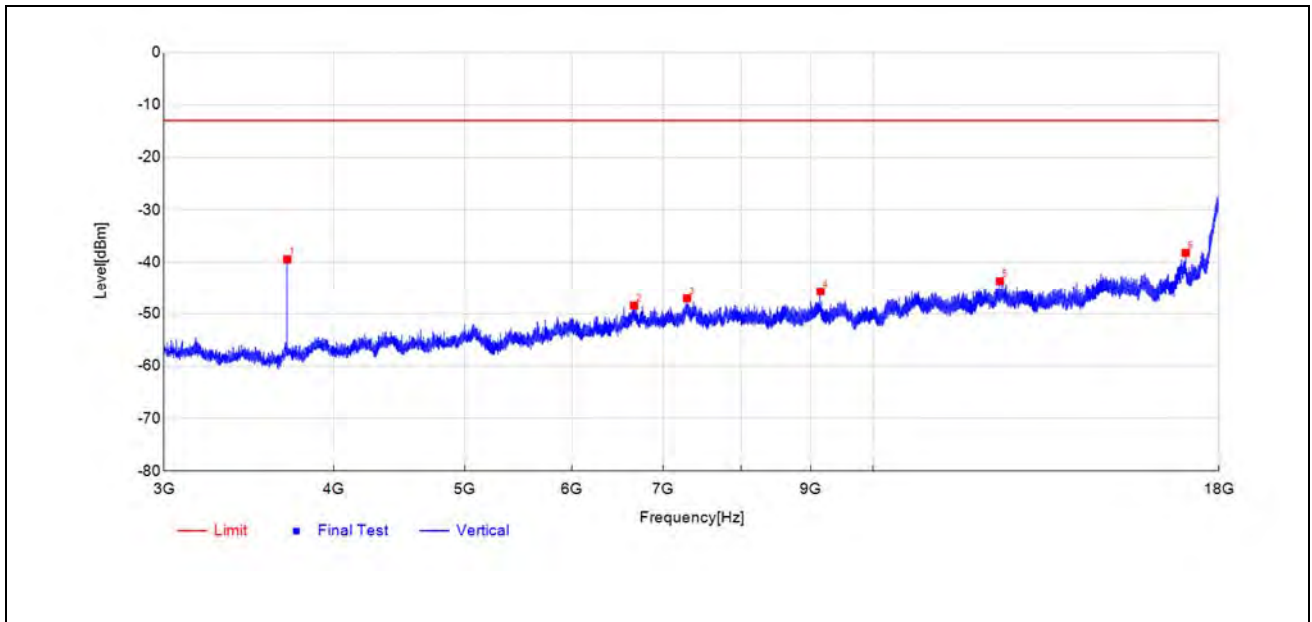




(Antenna Vertical, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
30.873	-48.84	-69.44	-20.6	-13.0	56.4	Vertical	PASS
150.189	-52.03	-71.95	-19.9	-13.0	59.0	Vertical	PASS
199.71	-52.20	-71.64	-19.4	-13.0	58.6	Vertical	PASS
787.0259	-48.31	-55.81	-7.5	-13.0	42.8	Vertical	PASS
1549.7099	-57.86	-55.91	2.0	-13.0	42.9	Vertical	PASS
1850.17	-25.22	-23.54	1.7	-13.0	10.5	Vertical	NA



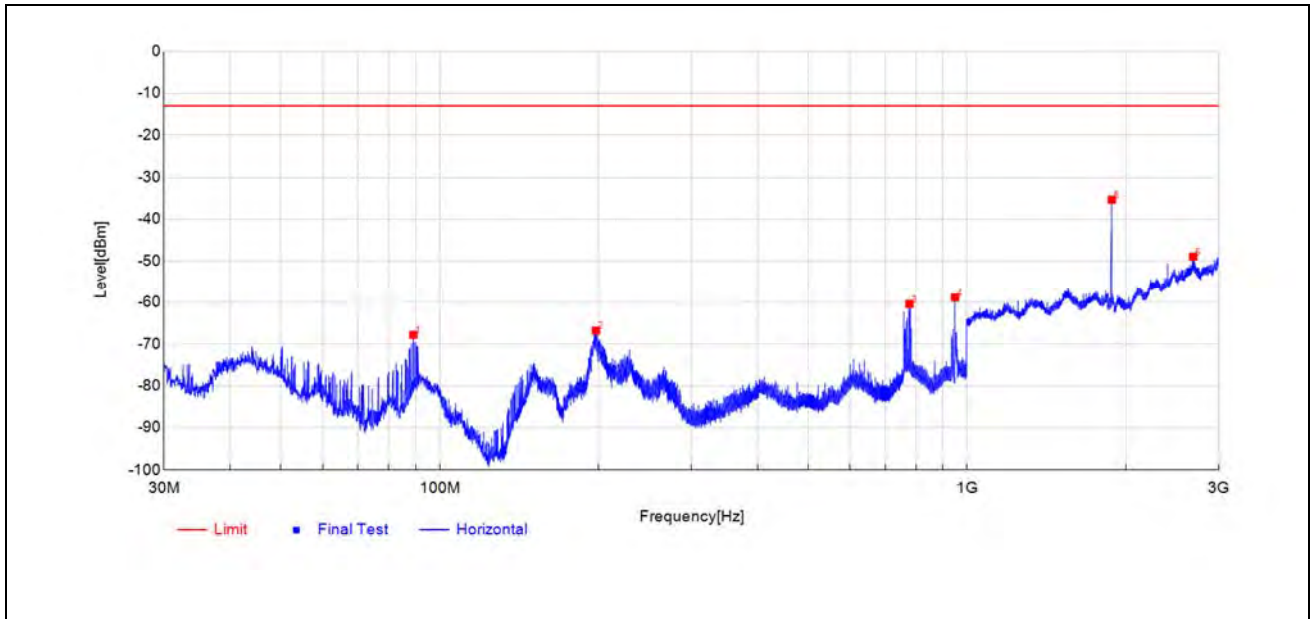


(Antenna Vertical, 3GHz to 12.75GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3700.5234	-36.16	-39.41	-3.3	-13.0	26.4	Vertical	PASS
6669.1223	-54.96	-48.48	6.5	-13.0	35.5	Vertical	PASS
7294.6432	-54.95	-47.04	7.9	-13.0	34.0	Vertical	PASS
9148.705	-54.38	-45.69	8.7	-13.0	32.7	Vertical	PASS
12417.3139	-57.76	-43.69	14.1	-13.0	30.7	Vertical	PASS
17020.4673	-59.49	-38.25	21.2	-13.0	25.3	Vertical	PASS



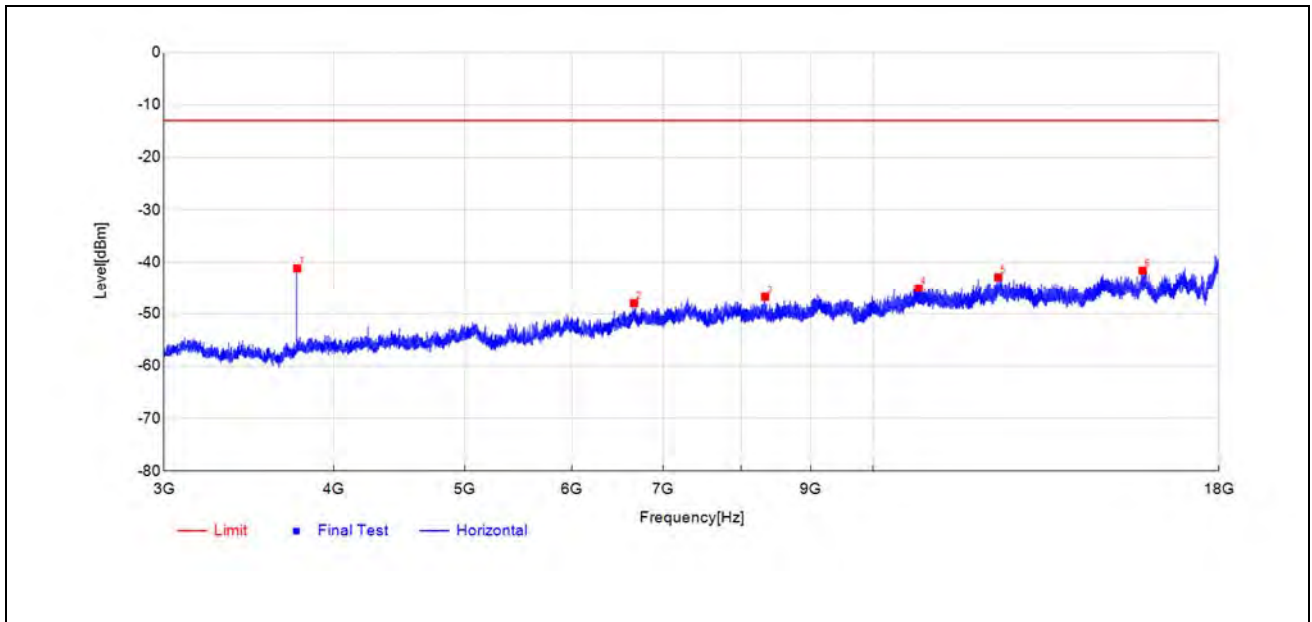
Plot for Mid Channel



(Antenna Horizontal, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
89.27	-45.50	-67.78	-22.3	-13.0	54.8	Horizontal	PASS
197.5274	-47.95	-66.76	-18.8	-13.0	53.8	Horizontal	PASS
776.6463	-55.18	-60.52	-5.3	-13.0	47.5	Horizontal	PASS
948.3449	-52.52	-58.95	-6.4	-13.0	46.0	Horizontal	PASS
1880.176	-37.71	-35.29	2.4	-13.0	22.3	Horizontal	NA
2685.5371	-58.08	-49.02	9.1	-13.0	36.0	Horizontal	PASS

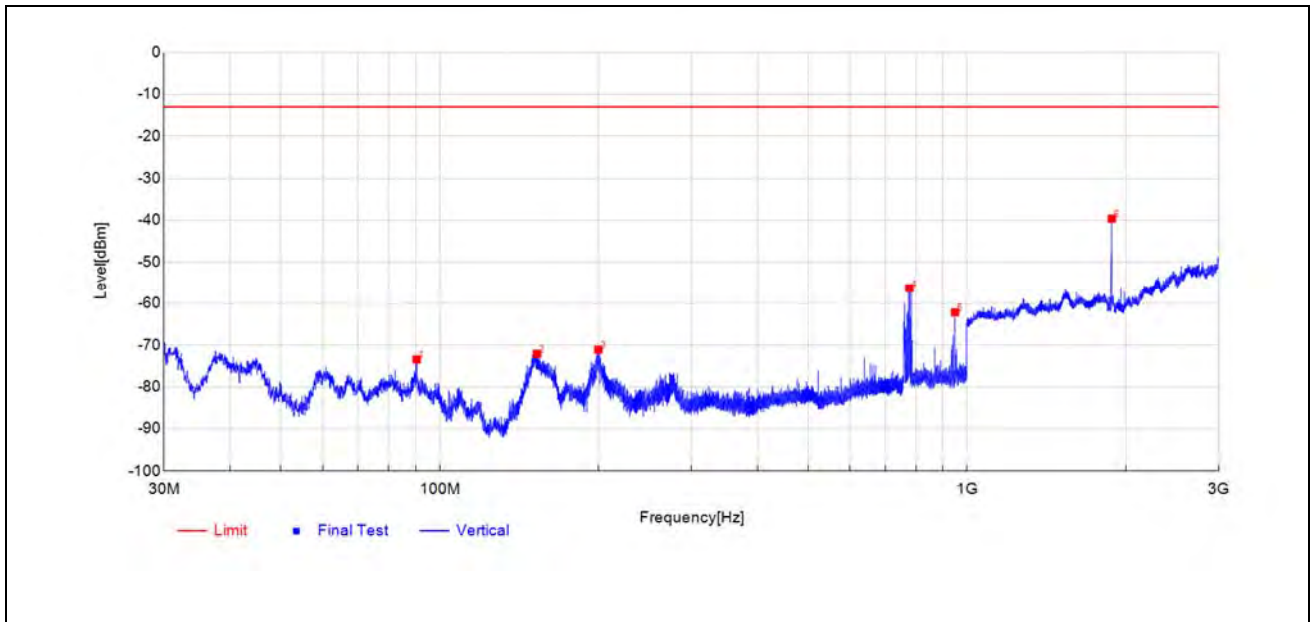




(Antenna Horizontal, 3GHz to 12.75GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3760.0253	-38.41	-41.15	-2.7	-13.0	28.2	Horizontal	PASS
6663.1221	-54.39	-48.04	6.4	-13.0	35.0	Horizontal	PASS
8333.1778	-54.36	-46.79	7.6	-13.0	33.8	Horizontal	PASS
10815.2605	-57.33	-45.01	12.3	-13.0	32.0	Horizontal	PASS
12380.8127	-57.61	-42.85	14.8	-13.0	29.9	Horizontal	PASS
15810.427	-59.39	-41.64	17.8	-13.0	28.6	Horizontal	PASS

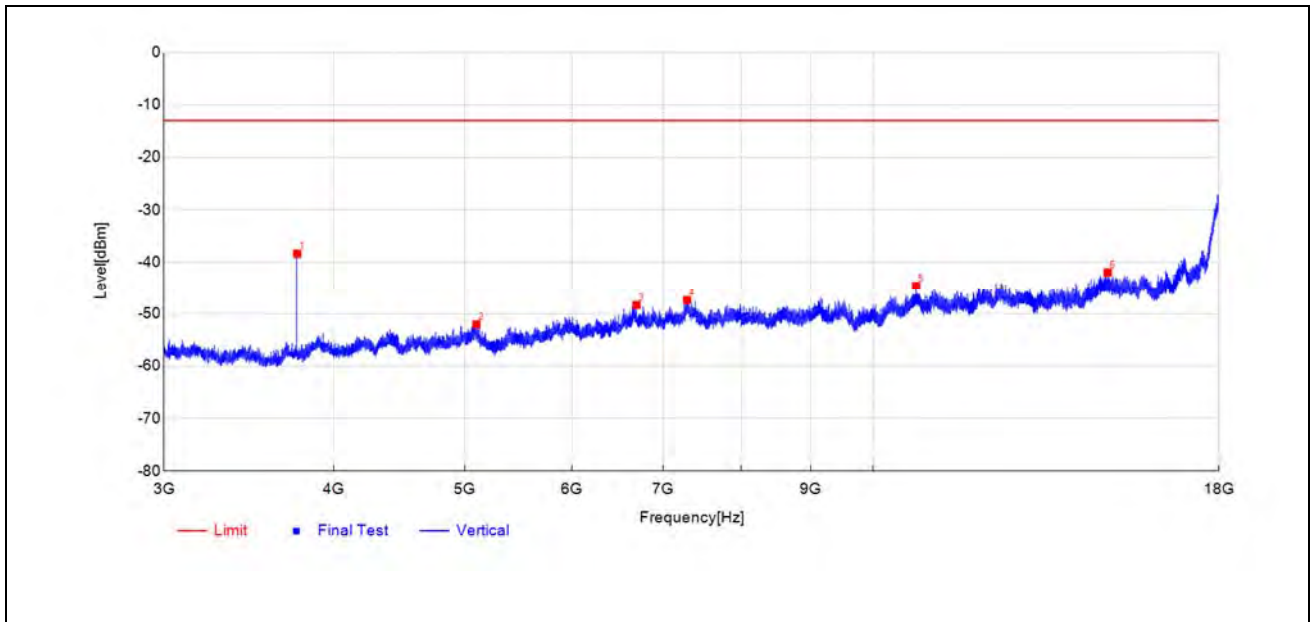




(Antenna Vertical, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
90.434	-53.04	-73.55	-20.5	-13.0	60.6	Vertical	PASS
153.0992	-52.15	-72.10	-20.0	-13.0	59.1	Vertical	PASS
199.7585	-51.66	-71.10	-19.4	-13.0	58.1	Vertical	PASS
778.0529	-49.06	-56.41	-7.4	-13.0	43.4	Vertical	PASS
948.3449	-54.73	-62.15	-7.4	-13.0	49.2	Vertical	PASS
1880.176	-41.79	-39.63	2.2	-13.0	26.6	Vertical	NA



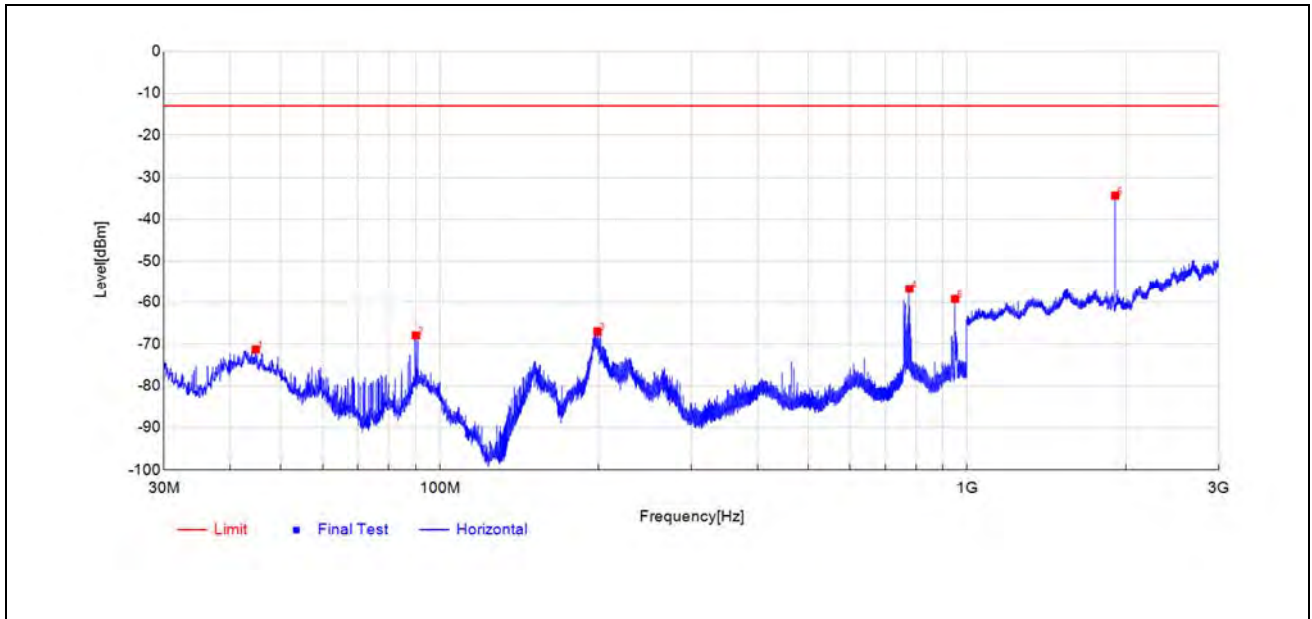


(Antenna Vertical, 3GHz to 12.75GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3760.0253	-34.91	-38.43	-3.5	-13.0	25.4	Vertical	PASS
5100.07	-54.06	-52.10	2.0	-13.0	39.1	Vertical	PASS
6699.1233	-54.95	-48.37	6.6	-13.0	35.4	Vertical	PASS
7294.1431	-55.30	-47.40	7.9	-13.0	34.4	Vertical	PASS
10771.7591	-56.36	-44.62	11.7	-13.0	31.6	Vertical	PASS
14915.3972	-58.53	-41.95	16.6	-13.0	29.0	Vertical	PASS



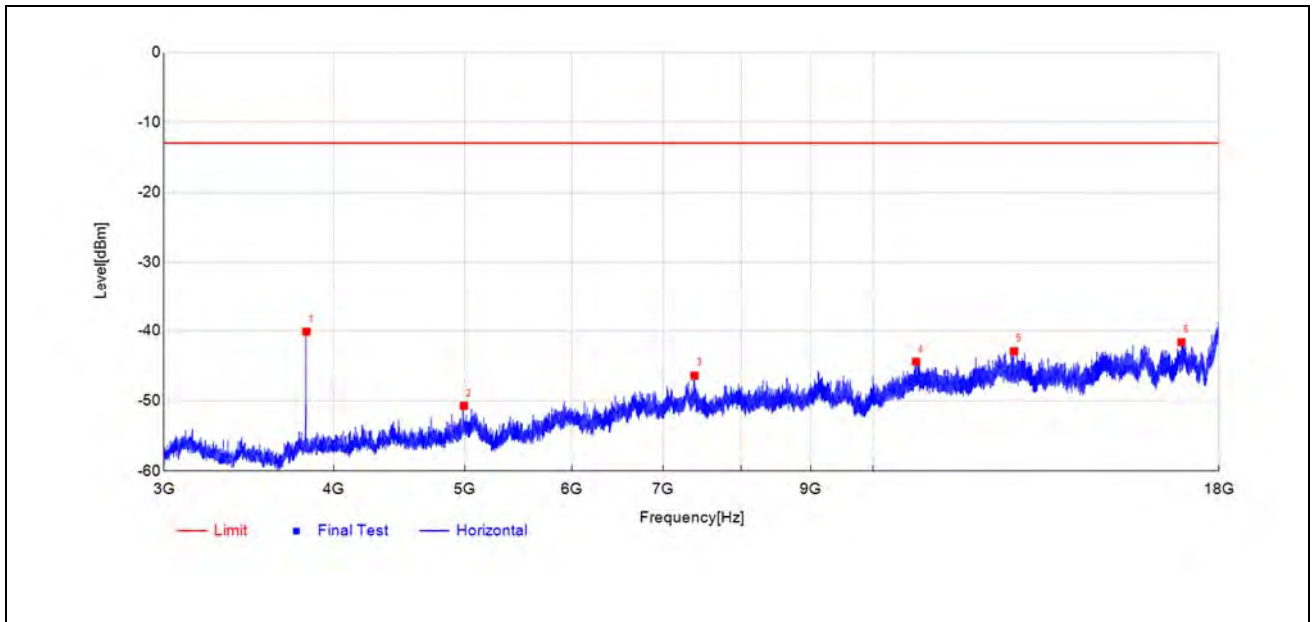
Plot for High Channel



(Antenna Horizontal, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
44.7932	-62.05	-71.35	-9.3	-13.0	58.4	Horizontal	PASS
90.0945	-45.68	-68.04	-22.4	-13.0	55.0	Horizontal	PASS
199.128	-48.62	-67.03	-18.4	-13.0	54.0	Horizontal	PASS
777.4224	-51.36	-56.72	-5.4	-13.0	43.7	Horizontal	PASS
948.3449	-52.84	-59.27	-6.4	-13.0	46.3	Horizontal	PASS
1909.782	-36.82	-34.40	2.4	-13.0	21.4	Horizontal	NA

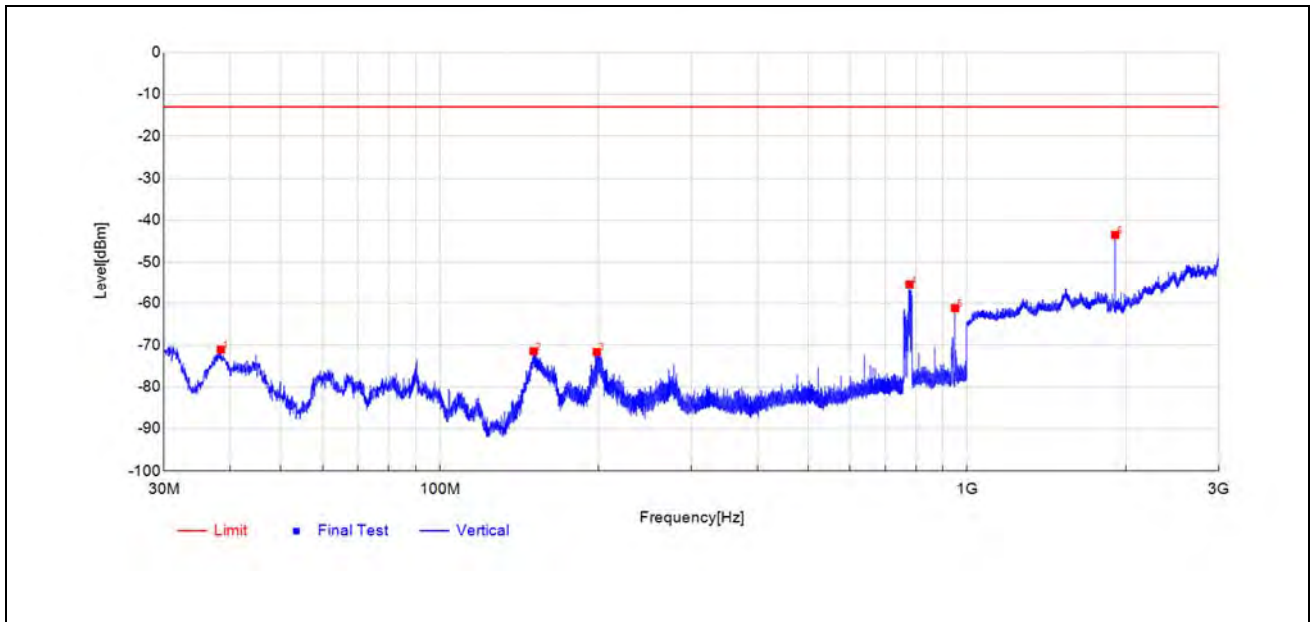




(Antenna Horizontal, 3GHz to 12.75GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3819.0273	-37.71	-40.11	-2.4	-13.0	27.1	Horizontal	PASS
4990.5664	-52.34	-50.77	1.6	-13.0	37.8	Horizontal	PASS
7385.6462	-53.64	-46.37	7.3	-13.0	33.4	Horizontal	PASS
10765.7589	-56.43	-44.45	12.0	-13.0	31.5	Horizontal	PASS
12708.8236	-57.15	-42.90	14.3	-13.0	29.9	Horizontal	PASS
16908.4636	-60.17	-41.61	18.6	-13.0	28.6	Horizontal	PASS

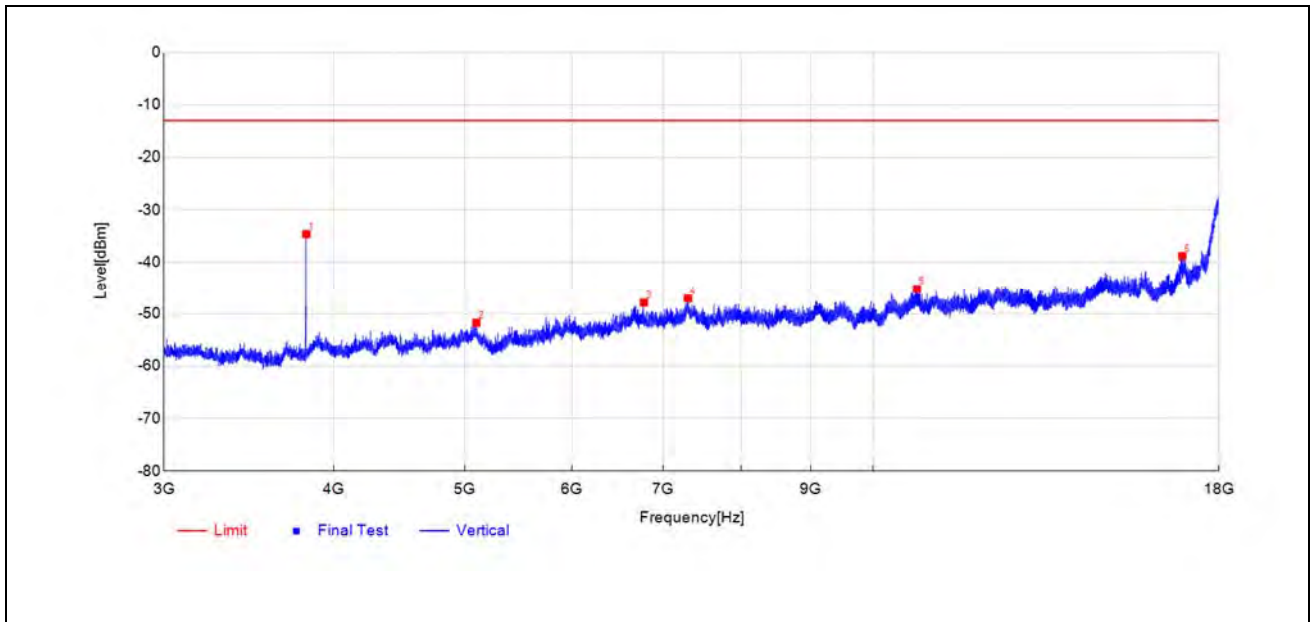




(Antenna Vertical, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
38.4879	-52.66	-71.09	-18.4	-13.0	58.1	Vertical	PASS
150.577	-51.57	-71.49	-19.9	-13.0	58.5	Vertical	PASS
198.4004	-52.15	-71.63	-19.5	-13.0	58.6	Vertical	PASS
776.8888	-47.99	-55.31	-7.3	-13.0	42.3	Vertical	PASS
948.3449	-53.85	-61.27	-7.4	-13.0	48.3	Vertical	PASS
1909.782	-46.19	-43.58	2.6	-13.0	30.6	Vertical	NA





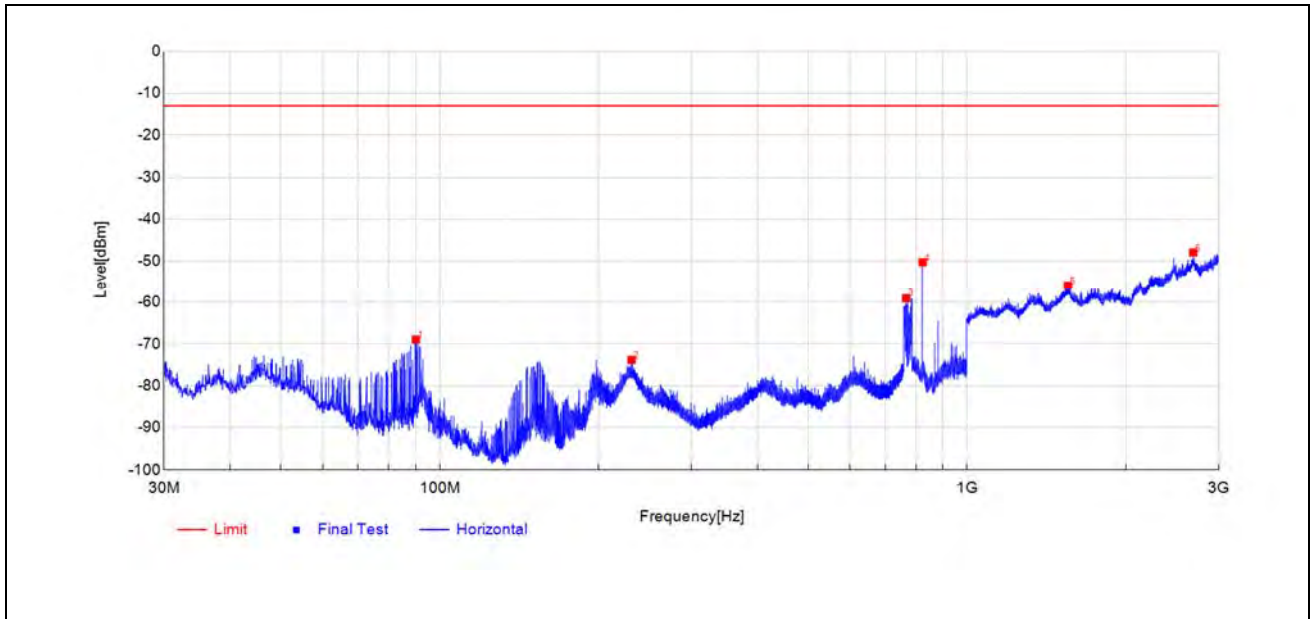
(Antenna Vertical, 3GHz to 12.75GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3819.5273	-31.05	-34.58	-3.5	-13.0	21.6	Vertical	PASS
5101.07	-53.68	-51.74	1.9	-13.0	38.7	Vertical	PASS
6776.1259	-53.71	-47.82	5.9	-13.0	34.8	Vertical	PASS
7303.6435	-55.13	-47.08	8.1	-13.0	34.1	Vertical	PASS
10775.7592	-56.93	-45.15	11.8	-13.0	32.2	Vertical	PASS
16933.4644	-60.11	-38.88	21.2	-13.0	25.9	Vertical	PASS



**GSM850(EDGE)**

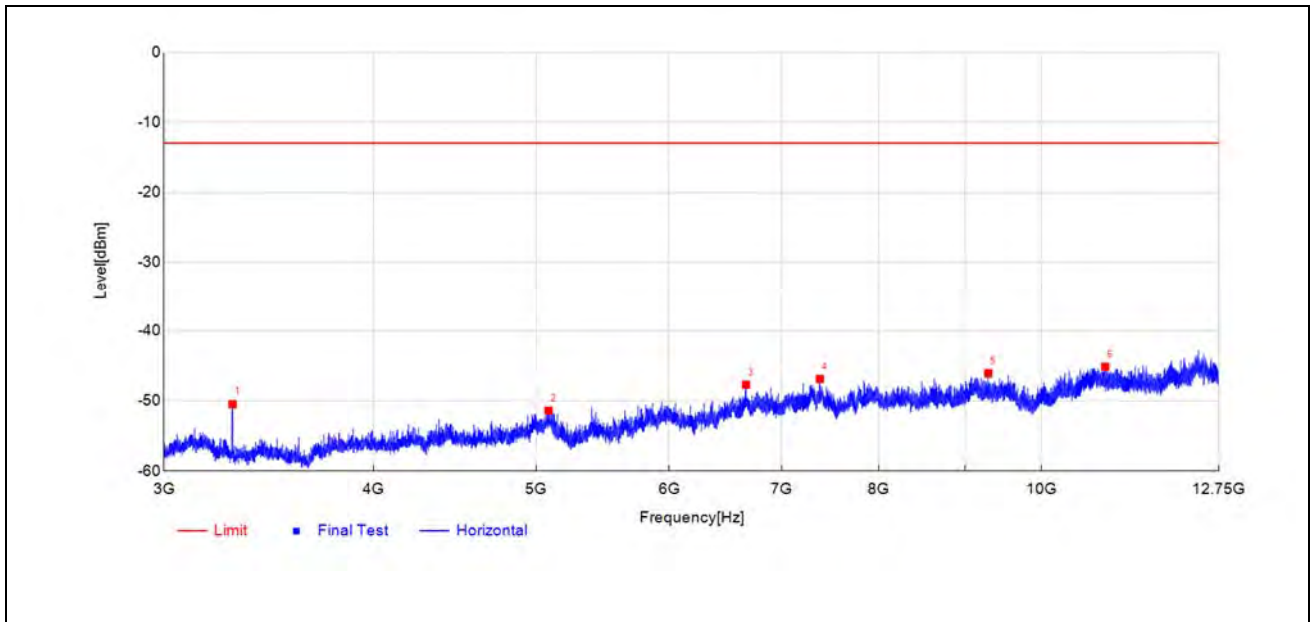
Plot for Low Channel



(Antenna Horizontal, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
90.046	-47.03	-68.97	-21.9	-13.0	56.0	Horizontal	PASS
231.3336	-66.85	-73.83	-7.0	-13.0	60.8	Horizontal	PASS
767.0429	-54.41	-58.98	-4.6	-13.0	46.0	Horizontal	PASS
824.1302	-44.87	-50.38	-5.5	-13.0	37.4	Horizontal	PASS
1554.1108	-58.44	-55.97	2.5	-13.0	43.0	Horizontal	PASS
2686.7373	-58.01	-47.92	10.1	-13.0	34.9	Horizontal	PASS

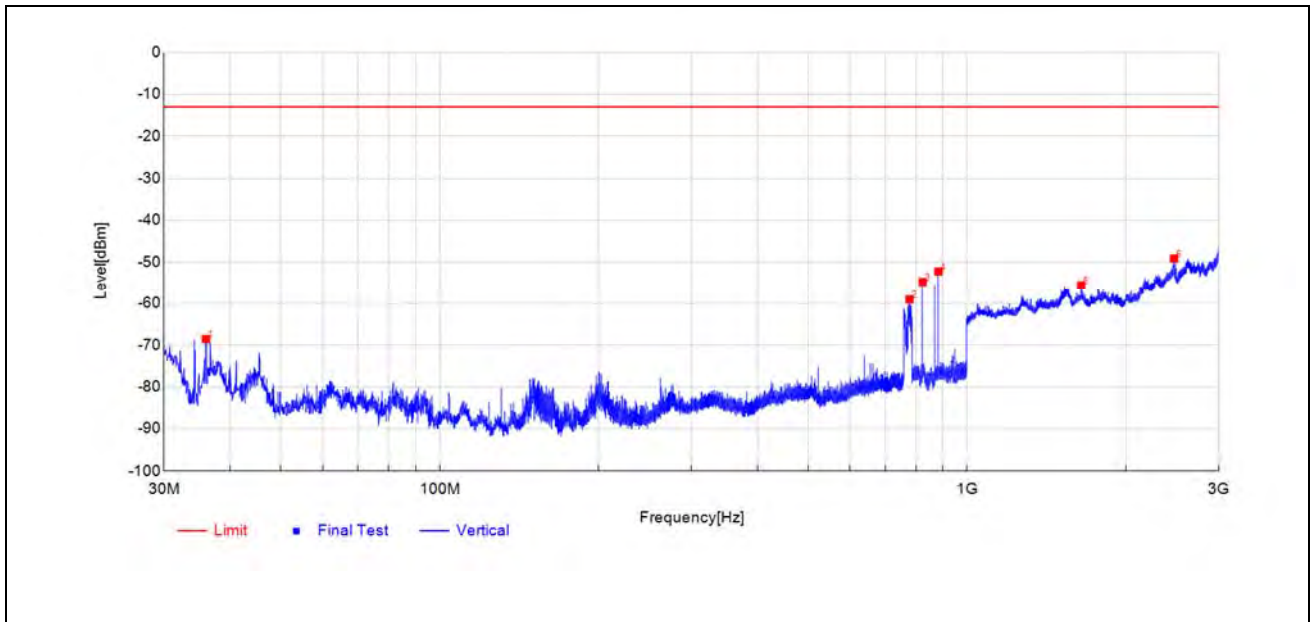




(Antenna Horizontal, 3GHz to 12.75GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3296.4148	-46.17	-50.46	-4.3	-13.0	37.5	Horizontal	PASS
5082.7041	-53.83	-51.45	2.4	-13.0	38.5	Horizontal	PASS
6666.6708	-54.09	-47.74	6.4	-13.0	34.7	Horizontal	PASS
7380.894	-54.23	-46.93	7.3	-13.0	33.9	Horizontal	PASS
9295.8898	-55.75	-46.11	9.6	-13.0	33.1	Horizontal	PASS
10907.6454	-57.41	-45.18	12.2	-13.0	32.2	Horizontal	PASS

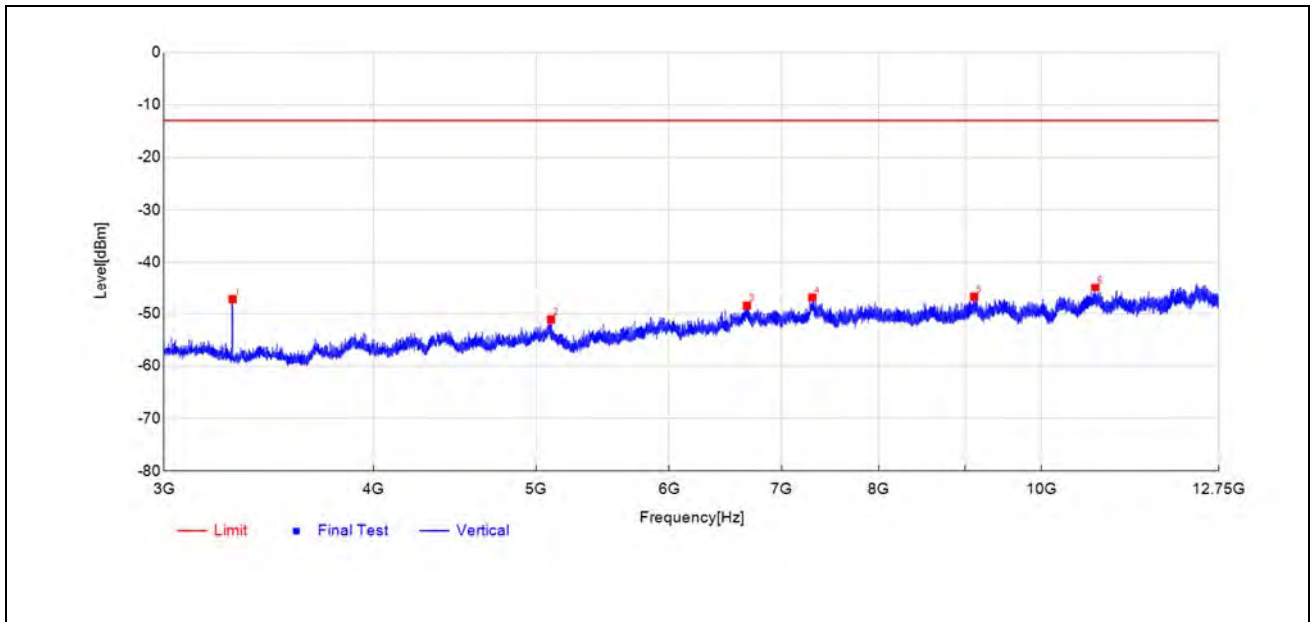




(Antenna Vertical, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
36.0628	-49.82	-68.67	-18.9	-13.0	55.7	Vertical	PASS
776.2098	-53.03	-59.05	-6.0	-13.0	46.1	Vertical	PASS
824.1787	-49.51	-54.84	-5.3	-13.0	41.8	Vertical	PASS
881.4601	-46.40	-52.34	-5.9	-13.0	39.3	Vertical	PASS
1648.5297	-57.33	-55.53	1.8	-13.0	42.5	Vertical	PASS
2472.6945	-56.43	-49.20	7.2	-13.0	36.2	Vertical	PASS





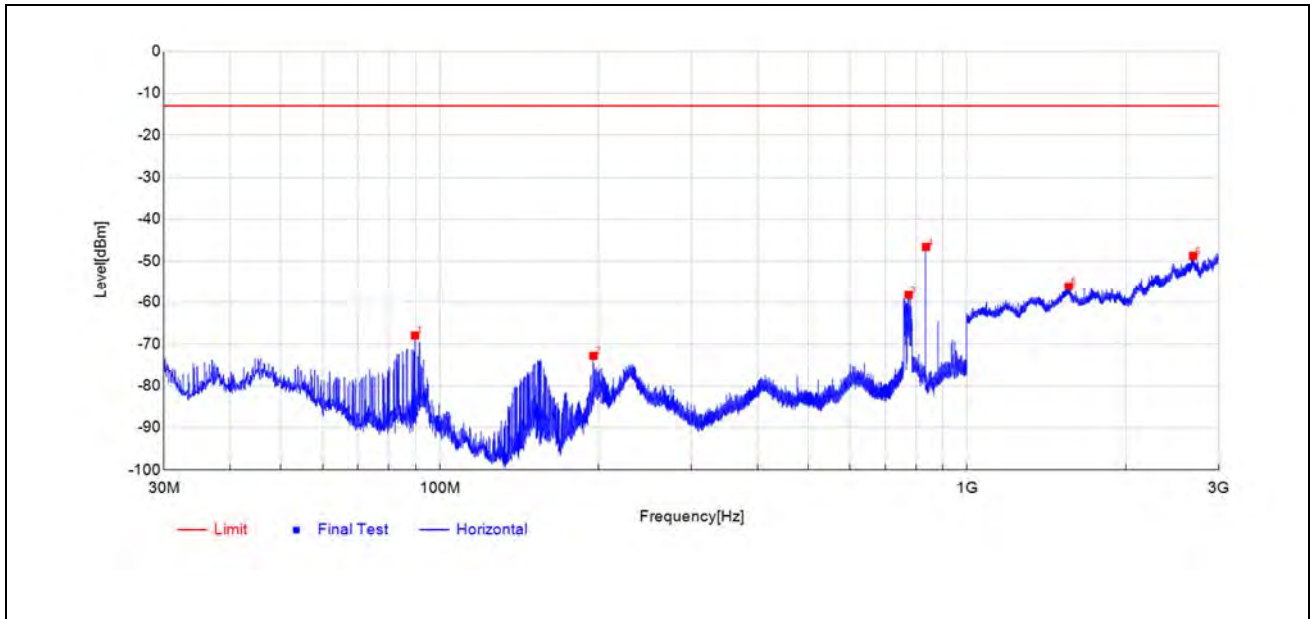
(Antenna Vertical, 3GHz to 12.75GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3296.4148	-42.33	-47.23	-4.9	-13.0	34.2	Vertical	PASS
5101.2301	-53.08	-51.14	1.9	-13.0	38.1	Vertical	PASS
6671.5461	-55.00	-48.50	6.5	-13.0	35.5	Vertical	PASS
7305.3278	-54.93	-46.90	8.0	-13.0	33.9	Vertical	PASS
9116.9683	-55.04	-46.73	8.3	-13.0	33.7	Vertical	PASS
10757.9754	-56.61	-44.99	11.6	-13.0	32.0	Vertical	PASS





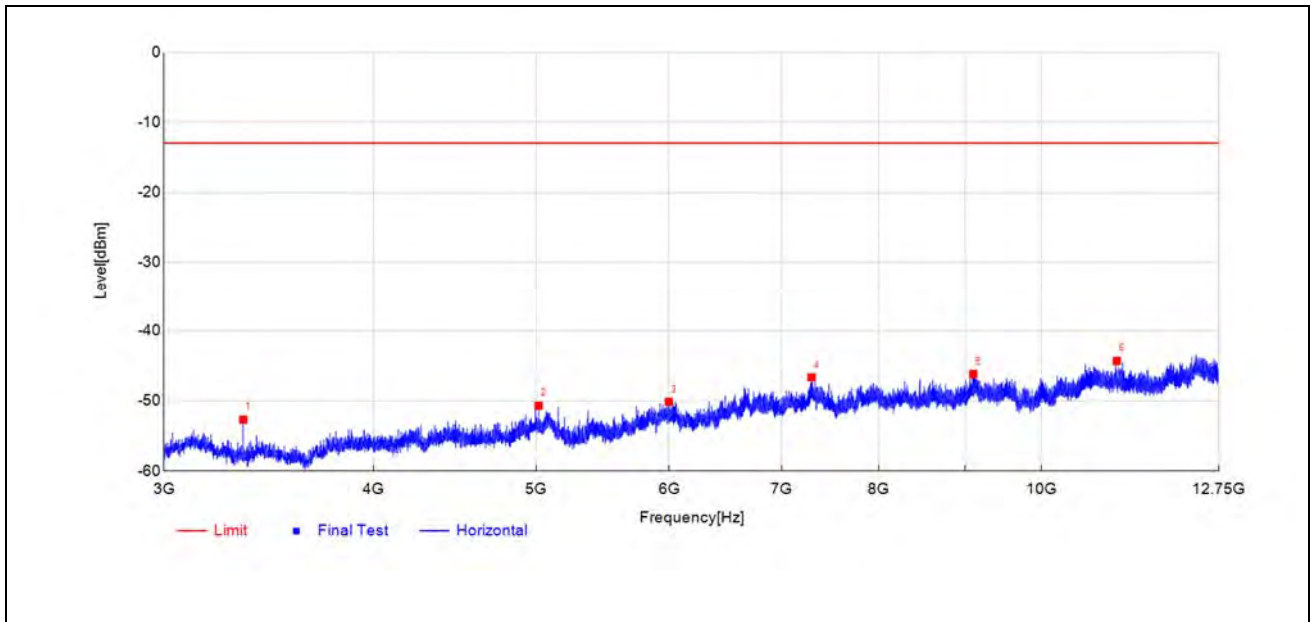
Plot for Mid Channel



(Antenna Horizontal, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
89.9005	-46.02	-67.95	-21.9	-13.0	55.0	Horizontal	PASS
195.8298	-53.88	-72.79	-18.9	-13.0	59.8	Horizontal	PASS
776.0643	-54.18	-58.22	-4.0	-13.0	45.2	Horizontal	PASS
836.4983	-40.25	-46.63	-6.4	-13.0	33.6	Horizontal	PASS
1560.112	-58.57	-56.19	2.4	-13.0	43.2	Horizontal	PASS
2681.1362	-58.48	-48.72	9.8	-13.0	35.7	Horizontal	PASS

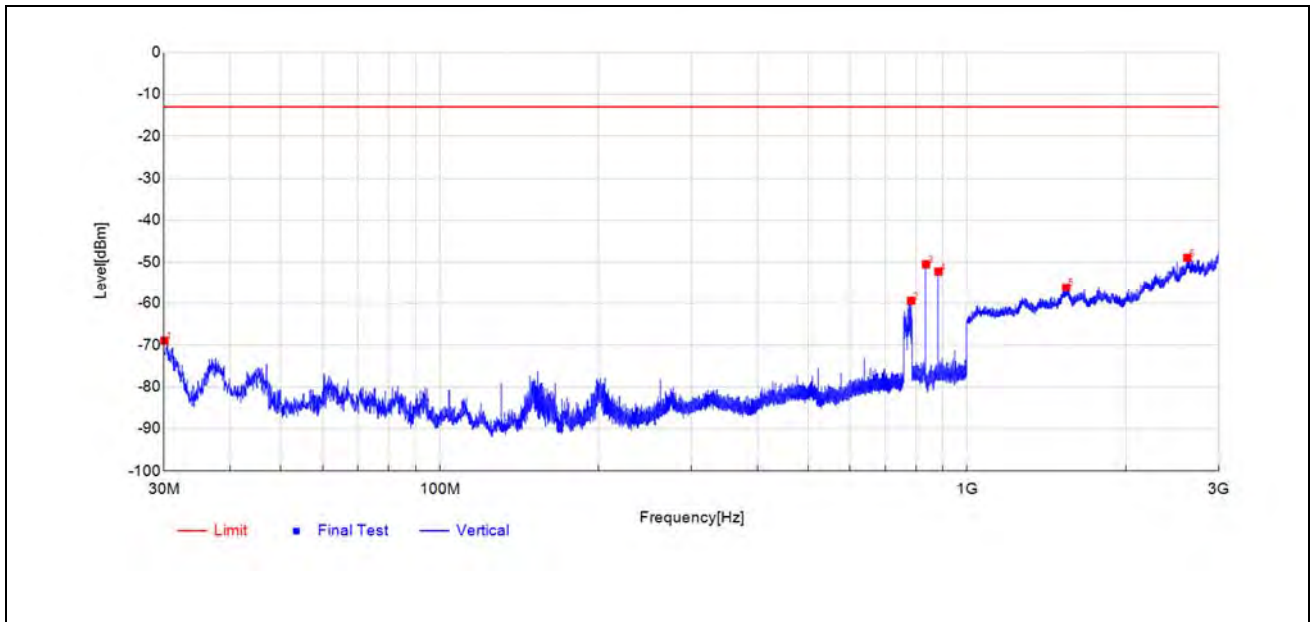




(Antenna Horizontal, 3GHz to 12.75GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3345.1673	-48.29	-52.69	-4.4	-13.0	39.7	Horizontal	PASS
5017.8634	-52.53	-50.68	1.9	-13.0	37.7	Horizontal	PASS
5998.7624	-54.66	-50.15	4.5	-13.0	37.2	Horizontal	PASS
7295.0898	-54.64	-46.69	8.0	-13.0	33.7	Horizontal	PASS
9102.8301	-54.99	-46.22	8.8	-13.0	33.2	Horizontal	PASS
11081.2041	-56.63	-44.29	12.3	-13.0	31.3	Horizontal	PASS

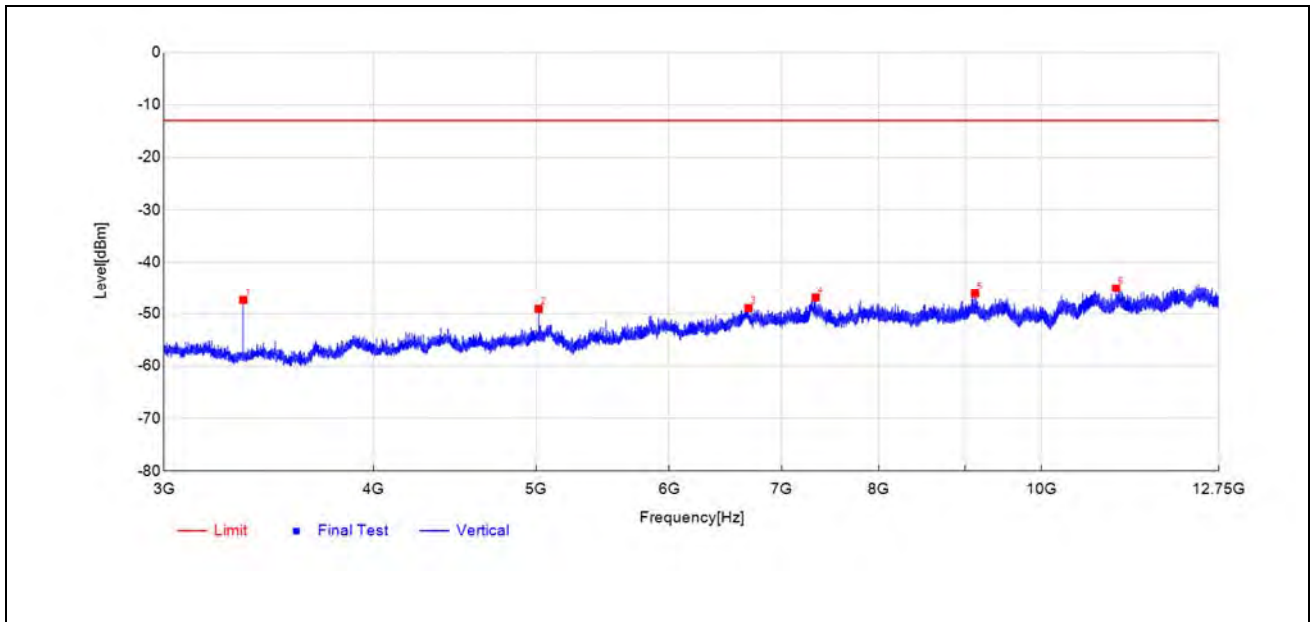




(Antenna Vertical, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
30.0485	-48.41	-69.04	-20.6	-13.0	56.0	Vertical	PASS
784.1157	-53.30	-59.42	-6.1	-13.0	46.4	Vertical	PASS
836.4498	-45.01	-50.59	-5.6	-13.0	37.6	Vertical	PASS
881.3146	-46.35	-52.30	-6.0	-13.0	39.3	Vertical	PASS
1544.1088	-58.76	-56.07	2.7	-13.0	43.1	Vertical	PASS
2615.5231	-57.65	-49.02	8.6	-13.0	36.0	Vertical	PASS



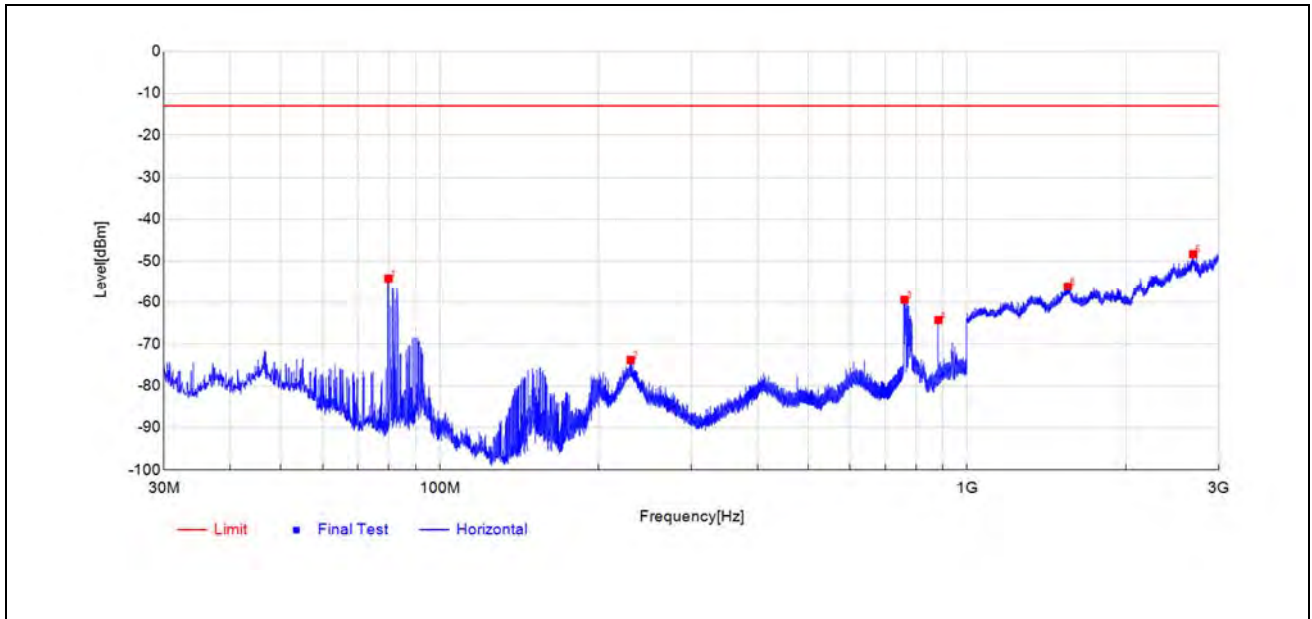


(Antenna Vertical, 3GHz to 12.75GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3345.6548	-42.63	-47.44	-4.8	-13.0	34.4	Vertical	PASS
5017.3759	-50.45	-49.19	1.3	-13.0	36.2	Vertical	PASS
6691.0471	-55.46	-48.90	6.6	-13.0	35.9	Vertical	PASS
7337.0169	-54.45	-46.90	7.6	-13.0	33.9	Vertical	PASS
9130.1315	-54.61	-46.14	8.5	-13.0	33.1	Vertical	PASS
11071.9411	-56.84	-45.10	11.7	-13.0	32.1	Vertical	PASS



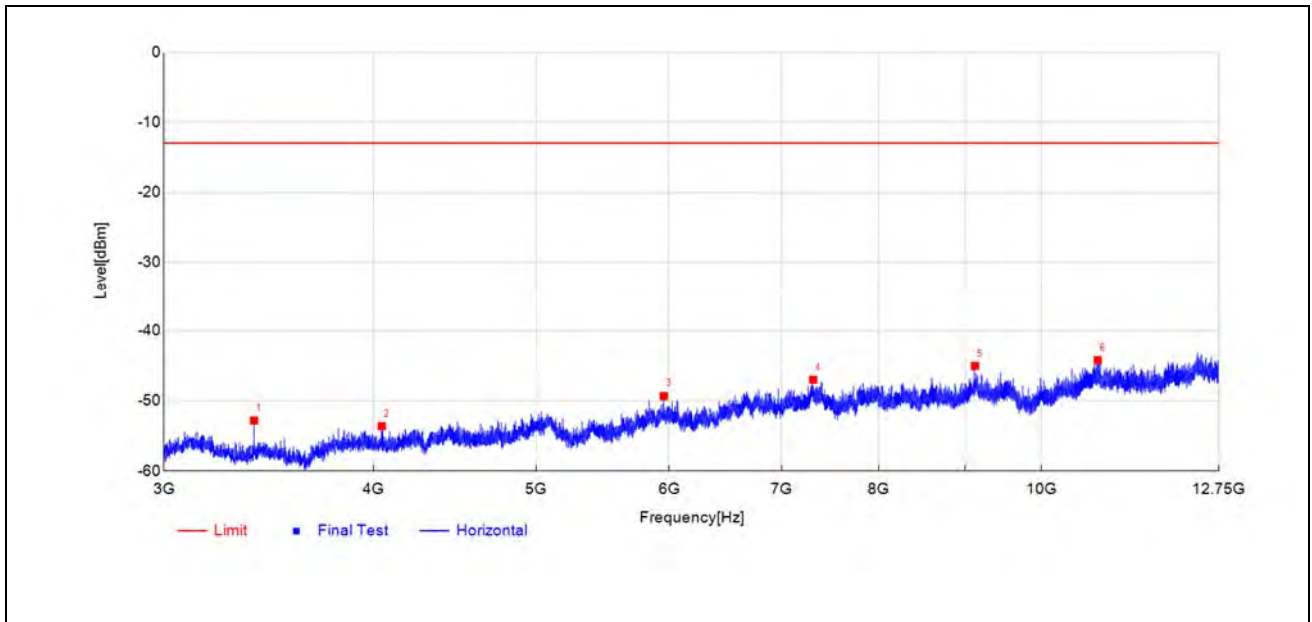
Plot for High Channel



(Antenna Horizontal, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
80.006	-33.03	-54.21	-21.2	-13.0	41.2	Horizontal	PASS
230.1695	-67.29	-73.85	-6.6	-13.0	60.9	Horizontal	PASS
760.786	-53.83	-59.41	-5.6	-13.0	46.4	Horizontal	PASS
881.4601	-57.00	-64.35	-7.4	-13.0	51.4	Horizontal	PASS
1554.5109	-58.64	-56.17	2.5	-13.0	43.2	Horizontal	PASS
2687.9376	-58.46	-48.29	10.2	-13.0	35.3	Horizontal	PASS

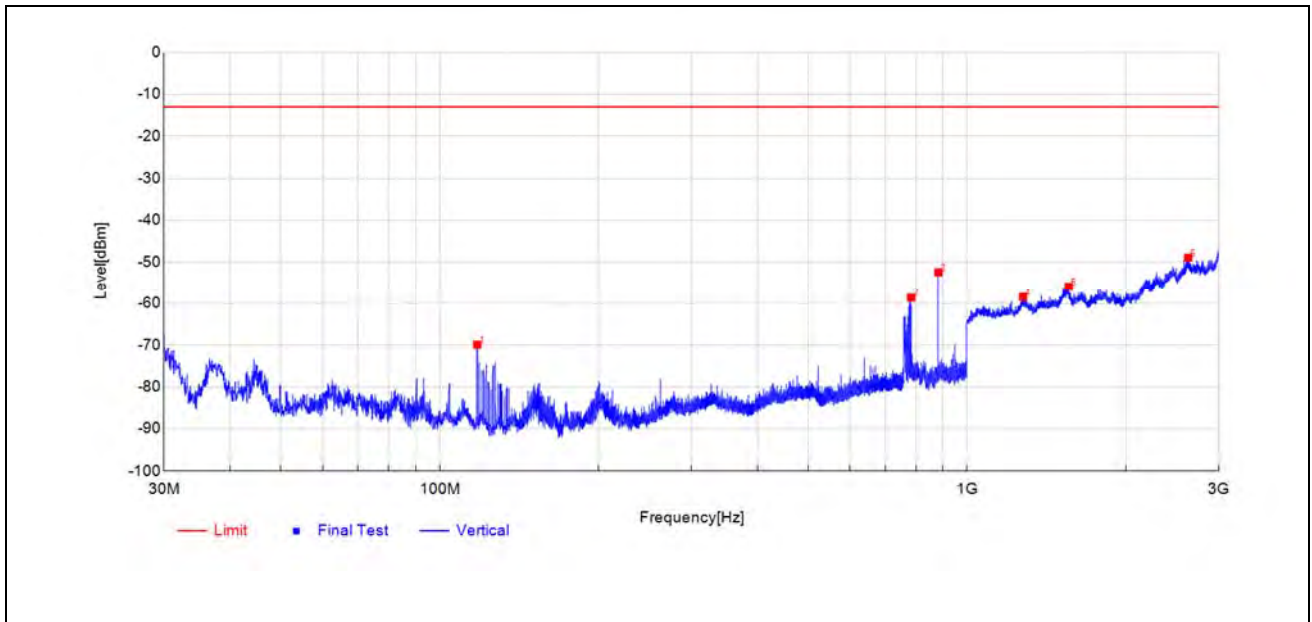




(Antenna Horizontal, 3GHz to 12.75GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3394.4072	-48.91	-52.86	-4.0	-13.0	39.9	Horizontal	PASS
4044.7647	-51.65	-53.69	-2.0	-13.0	40.7	Horizontal	PASS
5958.2979	-53.83	-49.28	4.6	-13.0	36.3	Horizontal	PASS
7307.7654	-55.04	-47.05	8.0	-13.0	34.1	Horizontal	PASS
9127.2064	-54.20	-45.05	9.2	-13.0	32.1	Horizontal	PASS
10805.2653	-56.56	-44.23	12.3	-13.0	31.2	Horizontal	PASS

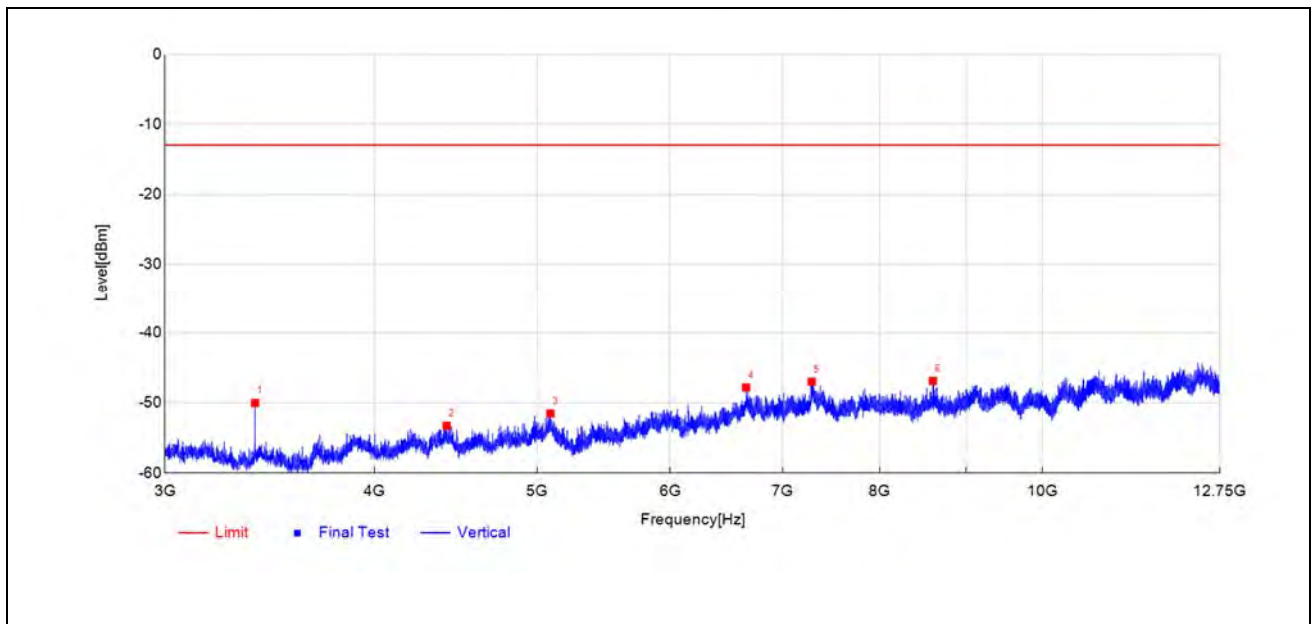




(Antenna Vertical, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
117.9349	-51.82	-69.97	-18.2	-13.0	57.0	Vertical	PASS
782.1271	-52.51	-58.60	-6.1	-13.0	45.6	Vertical	PASS
881.4601	-46.54	-52.48	-5.9	-13.0	39.5	Vertical	PASS
1276.0552	-58.21	-58.54	-0.3	-13.0	45.5	Vertical	PASS
1558.9118	-58.04	-55.91	2.1	-13.0	42.9	Vertical	PASS
2629.926	-58.09	-48.96	9.1	-13.0	36.0	Vertical	PASS





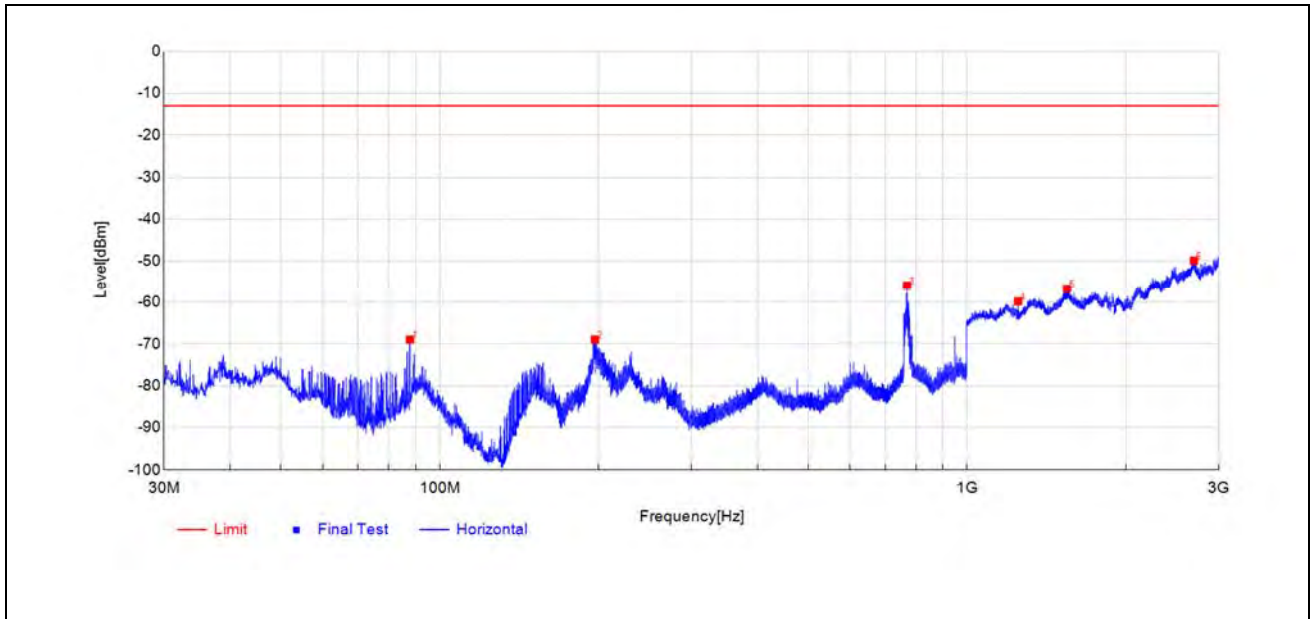
(Antenna Vertical, 3GHz to 12.75GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3394.8947	-45.92	-50.07	-4.2	-13.0	37.1	Vertical	PASS
4415.7708	-53.17	-53.36	-0.2	-13.0	40.4	Vertical	PASS
5092.4546	-53.46	-51.56	1.9	-13.0	38.6	Vertical	PASS
6661.3081	-54.31	-47.85	6.5	-13.0	34.9	Vertical	PASS
7287.2894	-54.66	-47.00	7.7	-13.0	34.0	Vertical	PASS
8605.5553	-54.20	-46.94	7.3	-13.0	33.9	Vertical	PASS



**GSM1900(EDGE)**

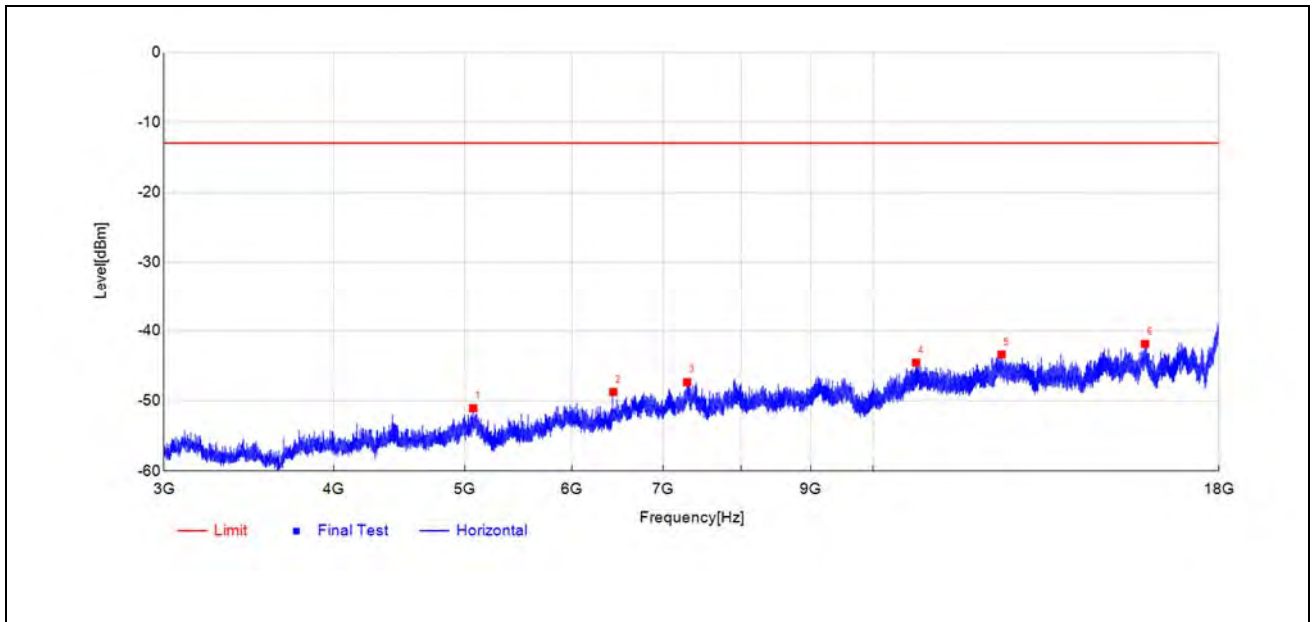
Plot for Low Channel



(Antenna Horizontal, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
87.7664	-46.90	-69.06	-22.2	-13.0	56.1	Horizontal	PASS
197.3819	-50.10	-68.95	-18.9	-13.0	56.0	Horizontal	PASS
770.2925	-50.70	-55.92	-5.2	-13.0	42.9	Horizontal	PASS
1250.05	-56.40	-59.83	-3.4	-13.0	46.8	Horizontal	PASS
1549.3099	-58.42	-56.72	1.7	-13.0	43.7	Horizontal	PASS
2693.1386	-58.98	-49.87	9.1	-13.0	36.9	Horizontal	PASS

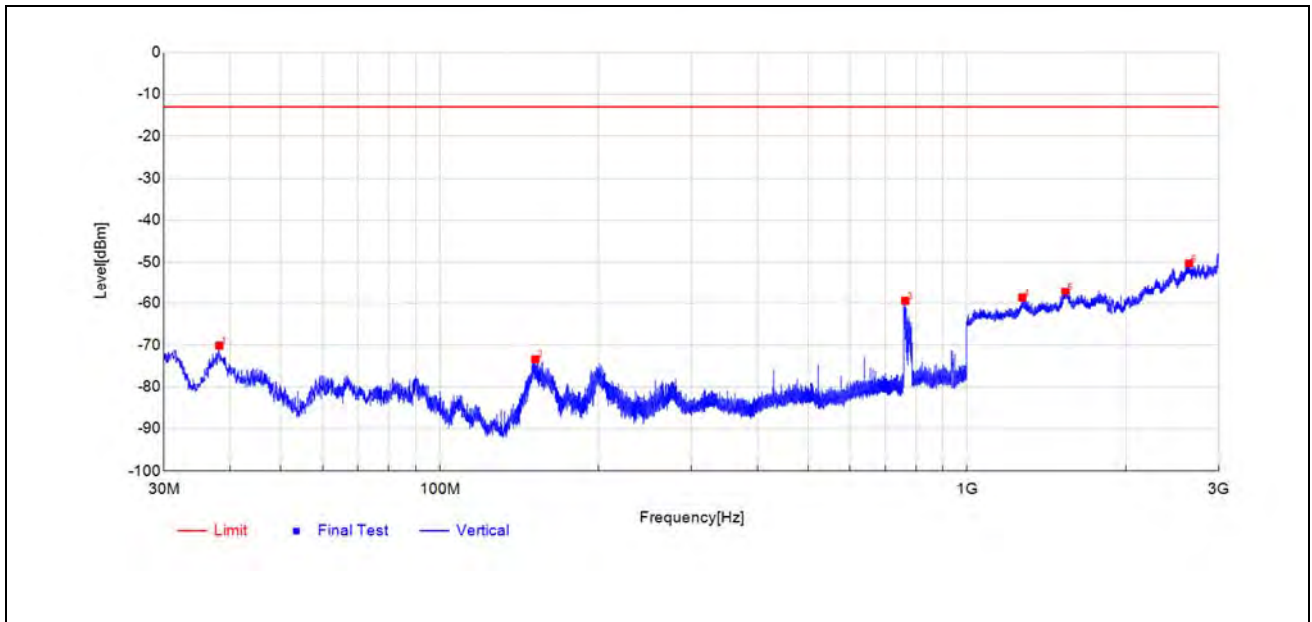




(Antenna Horizontal, 3GHz to 12.75GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
5074.0691	-53.39	-51.08	2.3	-13.0	38.1	Horizontal	PASS
6431.6144	-53.22	-48.75	4.5	-13.0	35.8	Horizontal	PASS
7298.1433	-55.36	-47.32	8.0	-13.0	34.3	Horizontal	PASS
10770.759	-56.61	-44.58	12.0	-13.0	31.6	Horizontal	PASS
12449.815	-58.12	-43.40	14.7	-13.0	30.4	Horizontal	PASS
15892.9298	-59.56	-41.87	17.7	-13.0	28.9	Horizontal	PASS

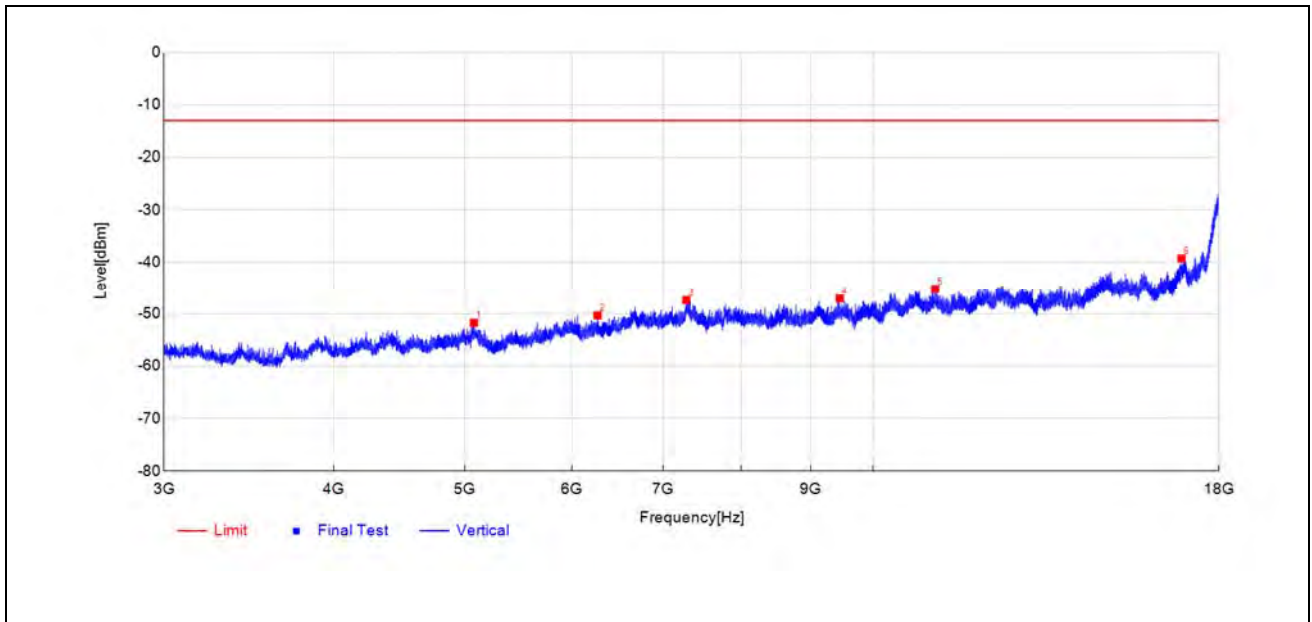




(Antenna Vertical, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
38.1969	-51.62	-70.13	-18.5	-13.0	57.1	Vertical	PASS
151.8866	-53.45	-73.39	-19.9	-13.0	60.4	Vertical	PASS
764.0842	-51.62	-59.50	-7.9	-13.0	46.5	Vertical	PASS
1272.0544	-57.69	-58.69	-1.0	-13.0	45.7	Vertical	PASS
1538.1076	-58.89	-57.09	1.8	-13.0	44.1	Vertical	PASS
2638.3277	-58.30	-50.25	8.1	-13.0	37.3	Vertical	PASS



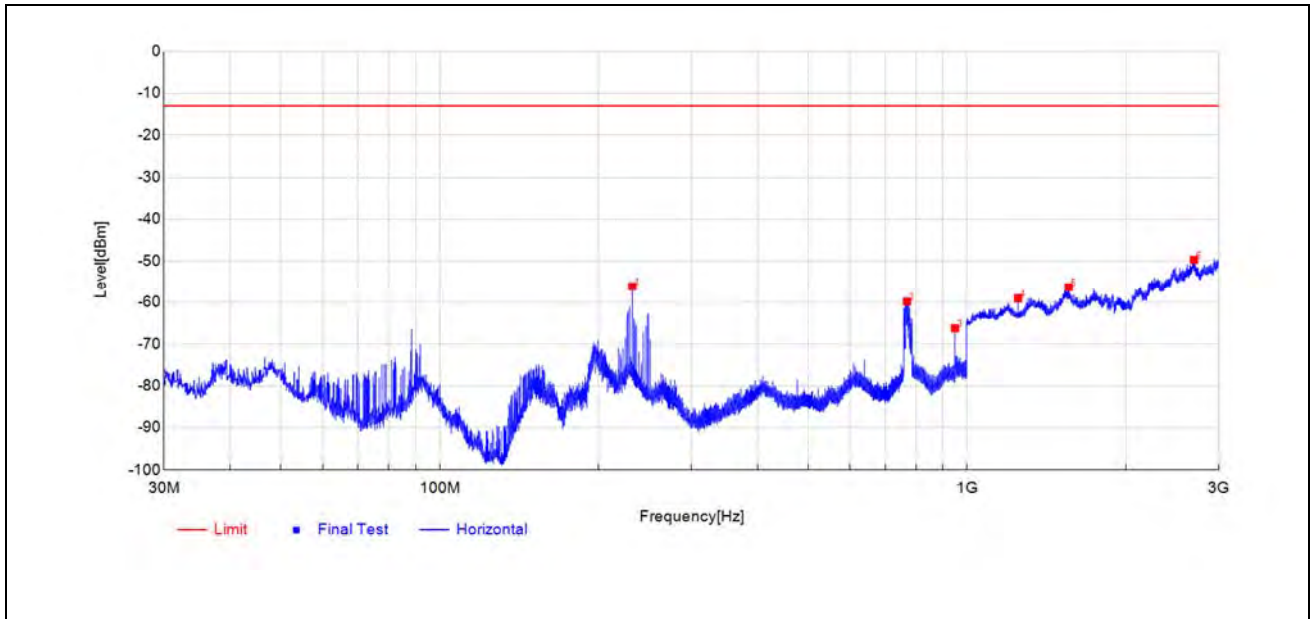


(Antenna Vertical, 3GHz to 12.75GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
5081.0694	-53.59	-51.79	1.8	-13.0	38.8	Vertical	PASS
6264.6088	-54.42	-50.38	4.0	-13.0	37.4	Vertical	PASS
7287.1429	-55.10	-47.44	7.7	-13.0	34.4	Vertical	PASS
9453.7151	-56.12	-47.15	9.0	-13.0	34.2	Vertical	PASS
11116.7706	-57.14	-45.29	11.9	-13.0	32.3	Vertical	PASS
16901.9634	-60.25	-39.27	21.0	-13.0	26.3	Vertical	PASS



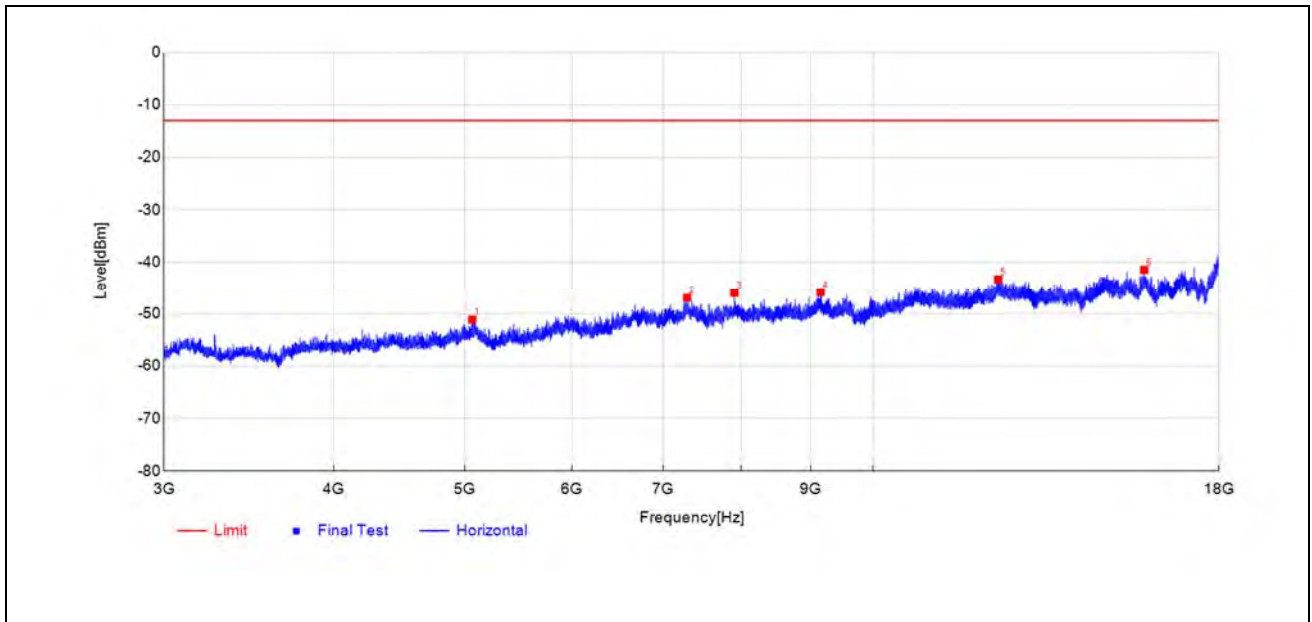
Plot for Mid Channel



(Antenna Horizontal, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
232.0126	-48.25	-56.17	-7.9	-13.0	43.2	Horizontal	PASS
769.759	-54.60	-59.84	-5.2	-13.0	46.8	Horizontal	PASS
948.4419	-59.76	-66.20	-6.4	-13.0	53.2	Horizontal	PASS
1250.05	-55.68	-59.11	-3.4	-13.0	46.1	Horizontal	PASS
1557.3115	-57.95	-56.32	1.6	-13.0	43.3	Horizontal	PASS
2696.3393	-58.56	-49.68	8.9	-13.0	36.7	Horizontal	PASS

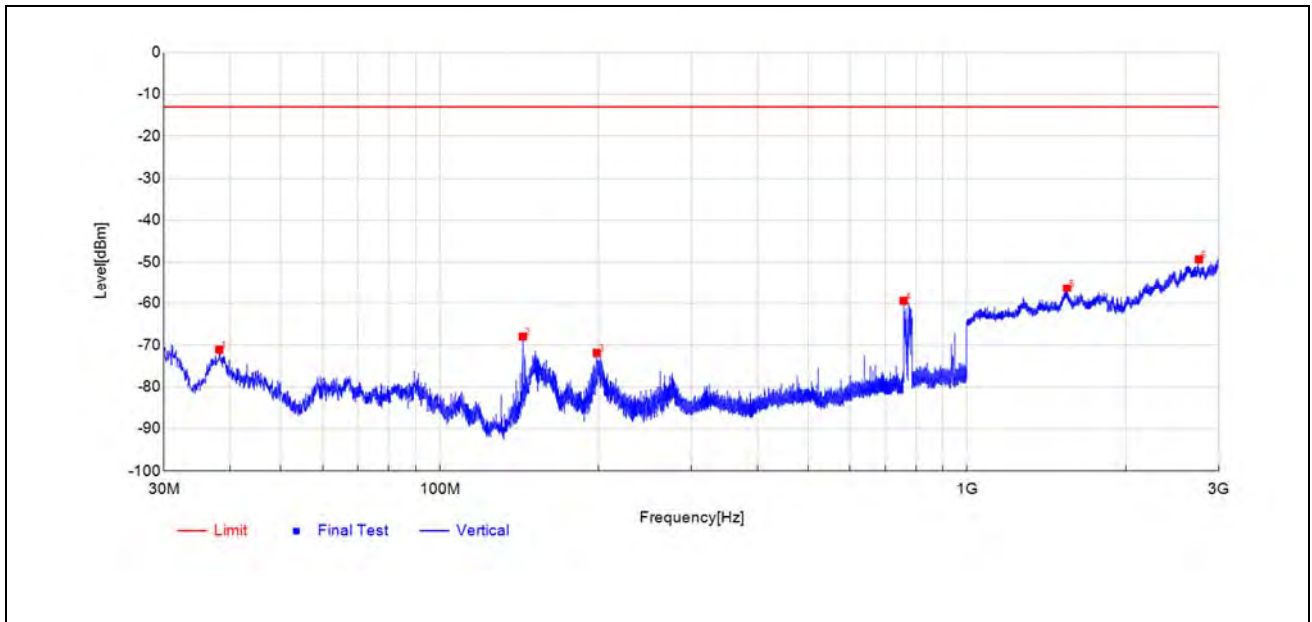




(Antenna Horizontal, 3GHz to 12.75GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
5066.0689	-53.33	-51.09	2.2	-13.0	38.1	Horizontal	PASS
7298.6433	-54.99	-46.94	8.1	-13.0	33.9	Horizontal	PASS
7909.6637	-53.51	-46.07	7.4	-13.0	33.1	Horizontal	PASS
9155.7052	-55.28	-45.79	9.5	-13.0	32.8	Horizontal	PASS
12380.8127	-58.17	-43.41	14.8	-13.0	30.4	Horizontal	PASS
15859.9287	-59.21	-41.49	17.7	-13.0	28.5	Horizontal	PASS

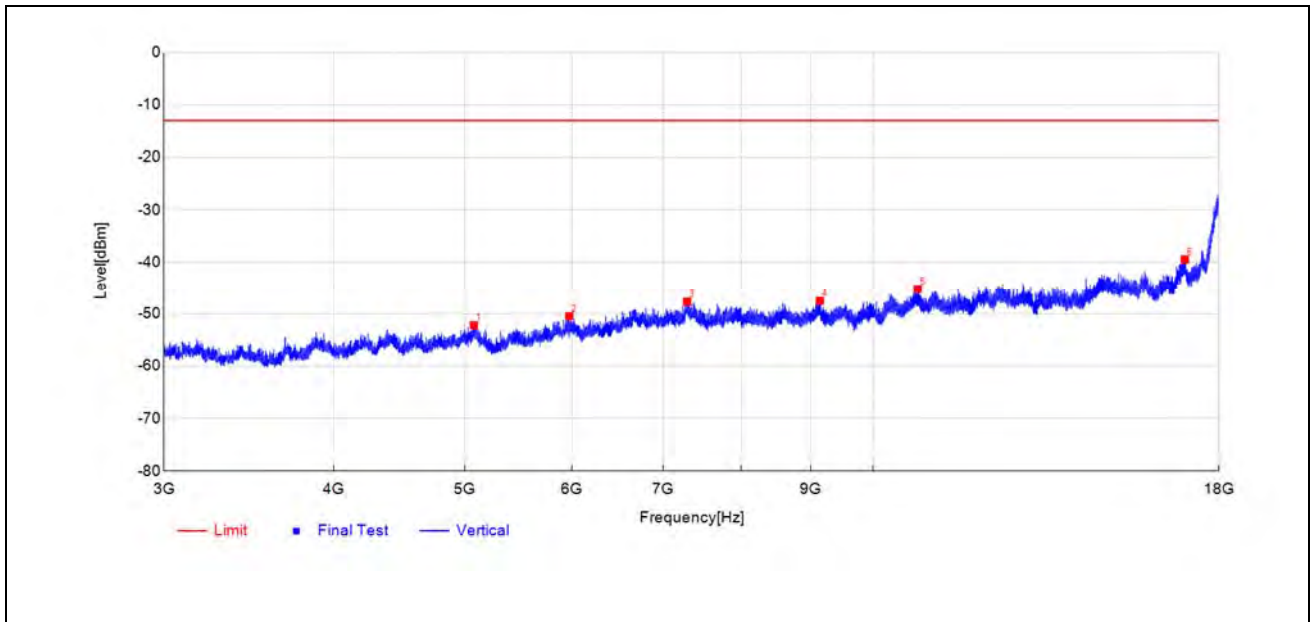




(Antenna Vertical, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
38.2454	-52.65	-71.14	-18.5	-13.0	58.1	Vertical	PASS
143.8837	-47.98	-68.04	-20.1	-13.0	55.0	Vertical	PASS
198.7399	-52.47	-71.93	-19.5	-13.0	58.9	Vertical	PASS
759.2825	-50.96	-59.41	-8.5	-13.0	46.4	Vertical	PASS
1548.5097	-58.32	-56.39	1.9	-13.0	43.4	Vertical	PASS
2748.7498	-57.69	-49.31	8.4	-13.0	36.3	Vertical	PASS



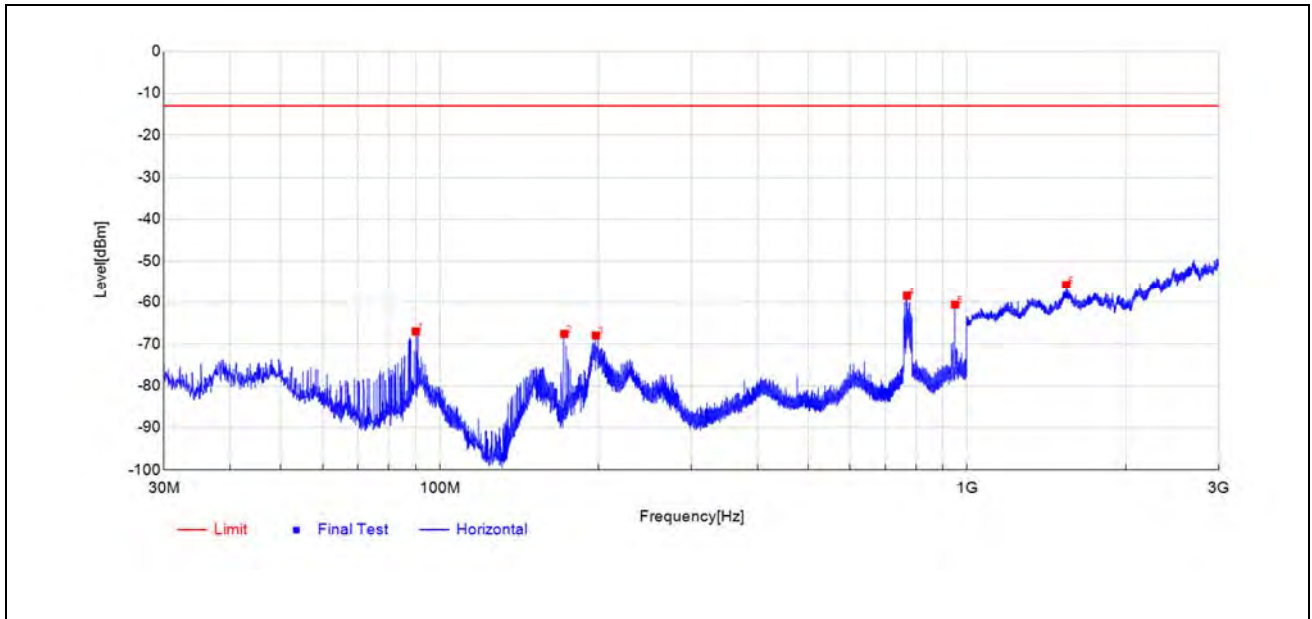


(Antenna Vertical, 3GHz to 12.75GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
5079.0693	-54.04	-52.26	1.8	-13.0	39.3	Vertical	PASS
5969.099	-54.74	-50.55	4.2	-13.0	37.6	Vertical	PASS
7299.1433	-55.82	-47.75	8.1	-13.0	34.8	Vertical	PASS
9136.7046	-56.15	-47.61	8.5	-13.0	34.6	Vertical	PASS
10796.7599	-57.25	-45.29	12.0	-13.0	32.3	Vertical	PASS
16987.9663	-61.05	-39.41	21.6	-13.0	26.4	Vertical	PASS



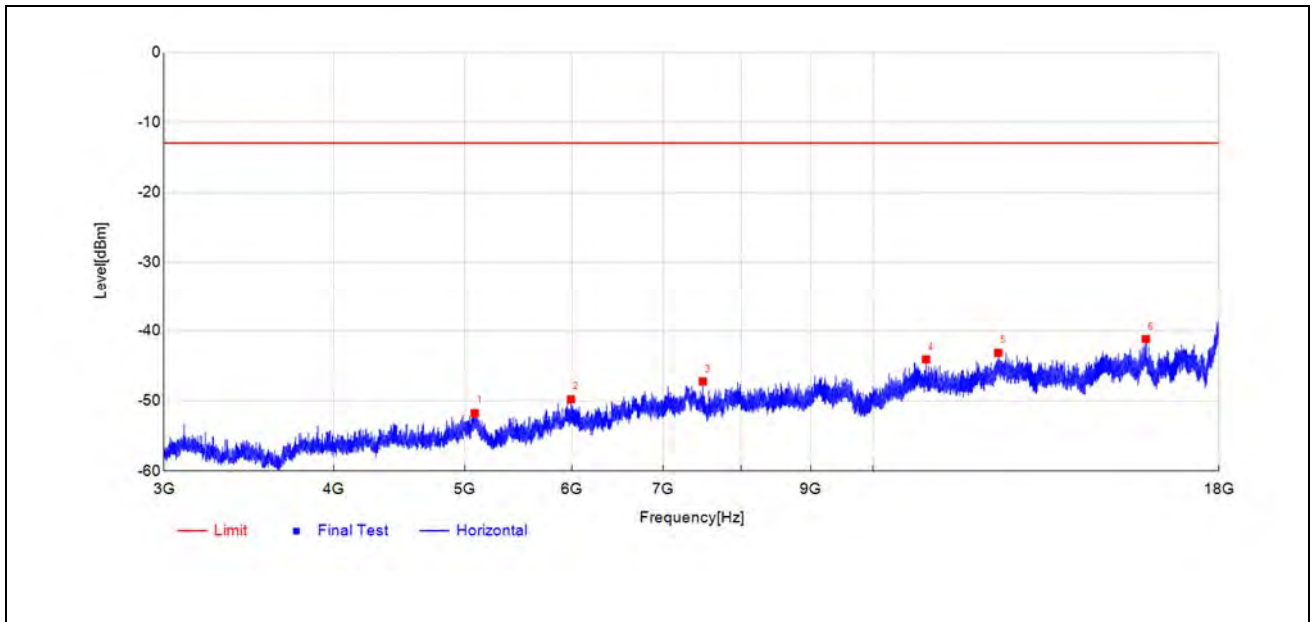
Plot for High Channel



(Antenna Horizontal, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
90.1915	-44.76	-67.12	-22.4	-13.0	54.1	Horizontal	PASS
172.1121	-43.71	-67.64	-23.9	-13.0	54.6	Horizontal	PASS
197.5759	-49.17	-67.97	-18.8	-13.0	55.0	Horizontal	PASS
769.5165	-53.21	-58.47	-5.3	-13.0	45.5	Horizontal	PASS
948.3934	-54.27	-60.71	-6.4	-13.0	47.7	Horizontal	PASS
1544.1088	-57.46	-55.83	1.6	-13.0	42.8	Horizontal	PASS

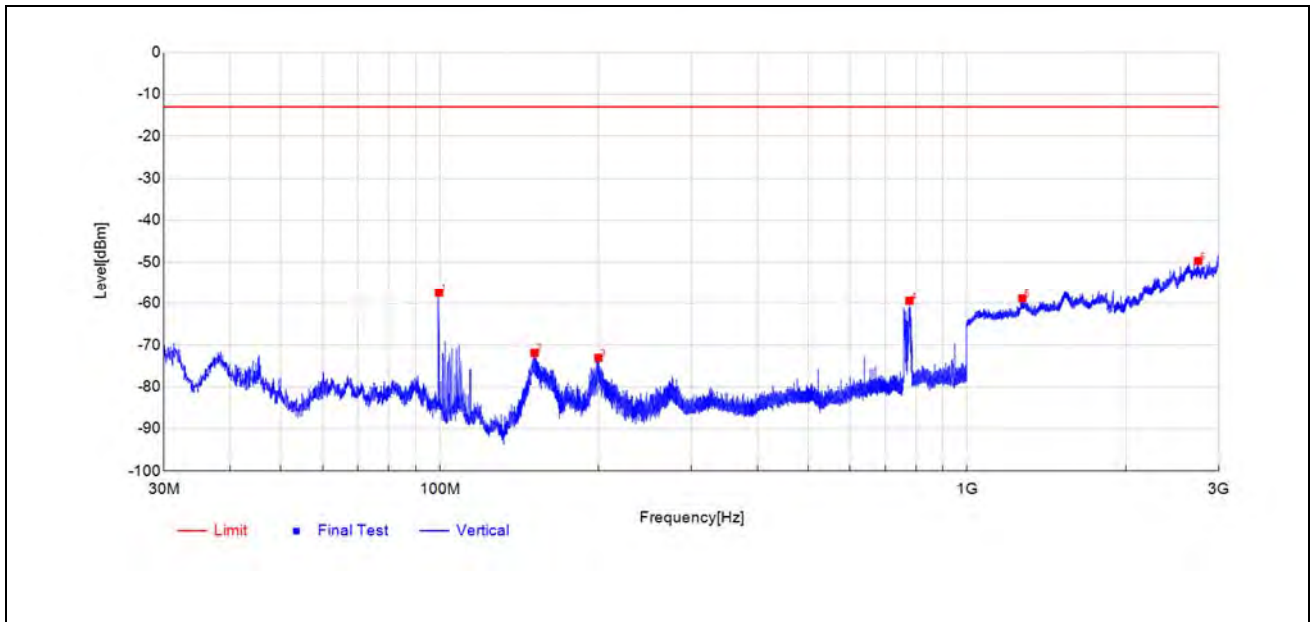




(Antenna Horizontal, 3GHz to 12.75GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
5087.5696	-54.19	-51.77	2.4	-13.0	38.8	Horizontal	PASS
5989.0996	-54.29	-49.77	4.5	-13.0	36.8	Horizontal	PASS
7494.1498	-53.59	-47.25	6.3	-13.0	34.3	Horizontal	PASS
10951.265	-56.45	-44.12	12.3	-13.0	31.1	Horizontal	PASS
12384.3128	-57.90	-43.10	14.8	-13.0	30.1	Horizontal	PASS
15899.43	-58.85	-41.16	17.7	-13.0	28.2	Horizontal	PASS

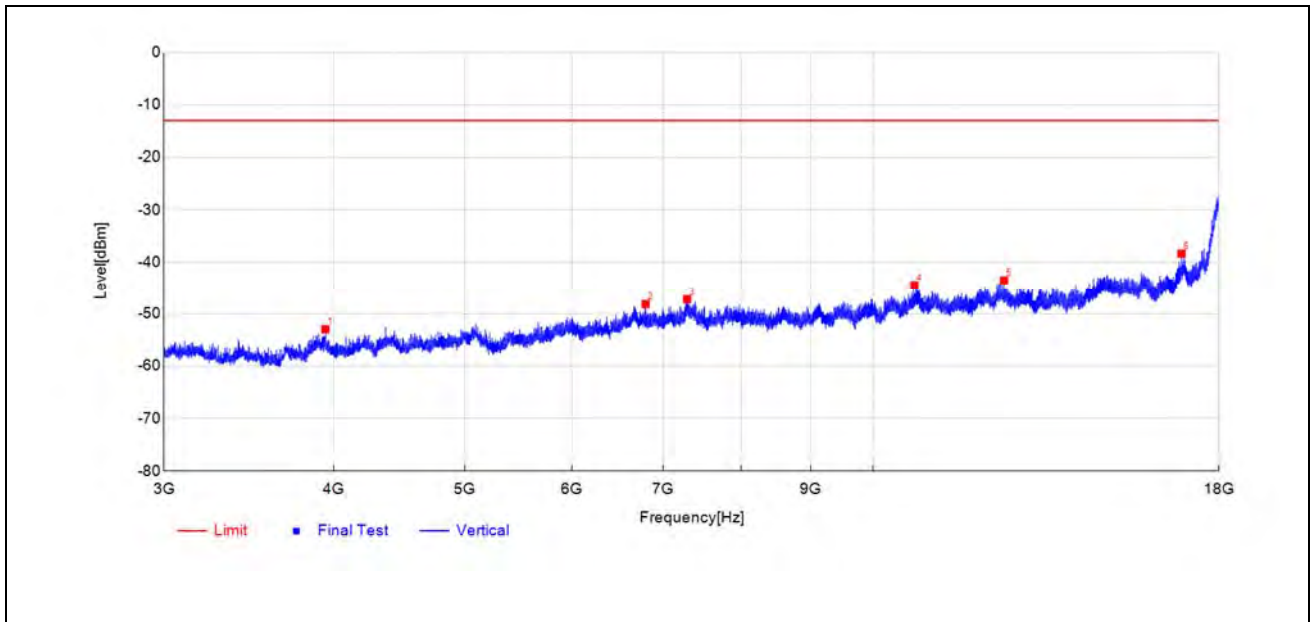




(Antenna Vertical, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
99.601	-38.42	-57.43	-19.0	-13.0	44.4	Vertical	PASS
151.4986	-51.89	-71.83	-19.9	-13.0	58.8	Vertical	PASS
199.807	-53.59	-73.03	-19.4	-13.0	60.0	Vertical	PASS
778.6834	-52.06	-59.42	-7.4	-13.0	46.4	Vertical	PASS
1271.6543	-57.86	-58.85	-1.0	-13.0	45.9	Vertical	PASS
2746.7494	-58.08	-49.80	8.3	-13.0	36.8	Vertical	PASS





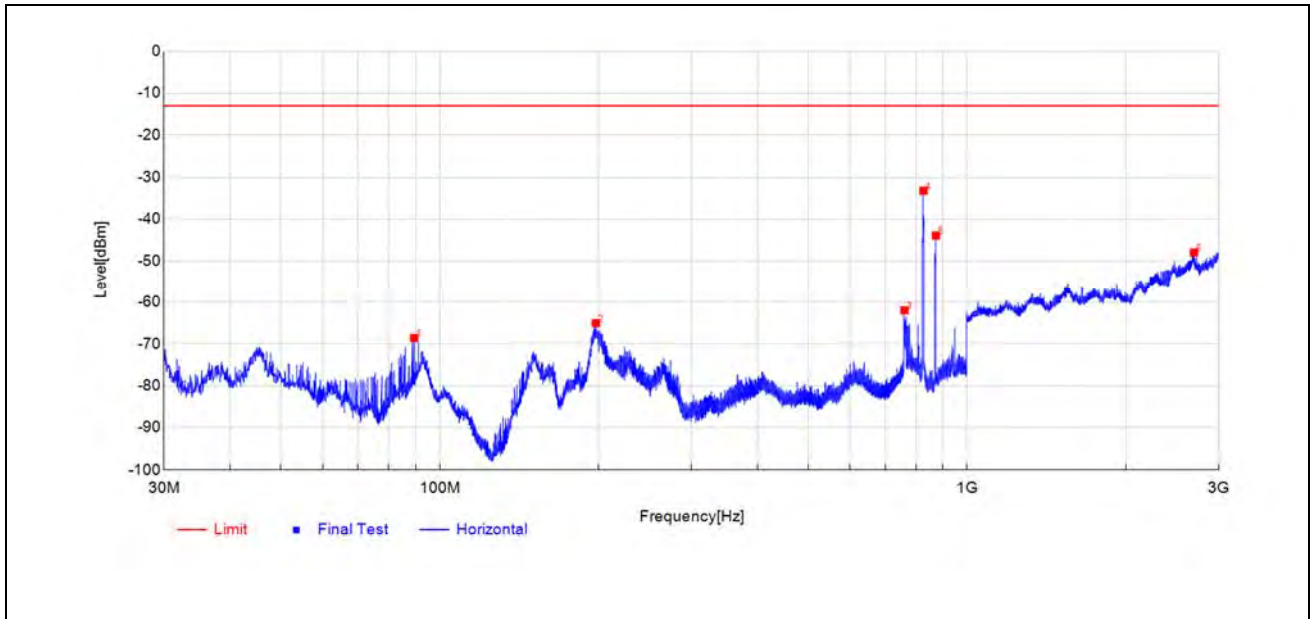
(Antenna Vertical, 3GHz to 12.75GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3949.0316	-51.00	-53.06	-2.1	-13.0	40.1	Vertical	PASS
6801.1267	-54.12	-48.24	5.9	-13.0	35.2	Vertical	PASS
7296.1432	-55.25	-47.29	8.0	-13.0	34.3	Vertical	PASS
10730.7577	-55.77	-44.38	11.4	-13.0	31.4	Vertical	PASS
12493.3164	-57.48	-43.59	13.9	-13.0	30.6	Vertical	PASS
16910.4637	-59.44	-38.39	21.1	-13.0	25.4	Vertical	PASS



**WCDMA Band V(WCDMA)**

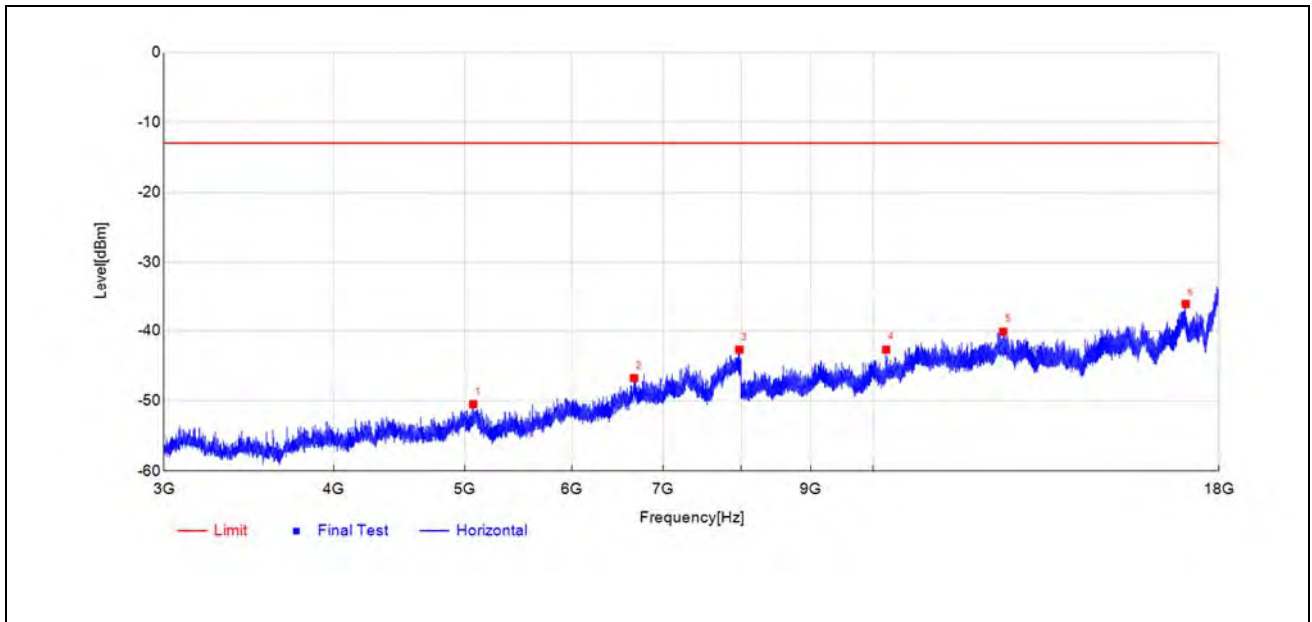
Plot for Low Channel



(Antenna Horizontal, 30MHz to 1GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
89.464	-46.64	-68.54	-21.9	-13.0	55.5	Horizontal	PASS
197.5274	-46.66	-65.16	-18.5	-13.0	52.2	Horizontal	PASS
759.622	-56.26	-62.03	-5.8	-13.0	49.0	Horizontal	PASS
826.8463	-27.59	-33.18	-5.6	-13.0	20.2	Horizontal	NA
872.9236	-36.07	-43.94	-7.9	-13.0	30.9	Horizontal	NA
2689.938	-58.27	-47.98	10.3	-13.0	35.0	Horizontal	PASS

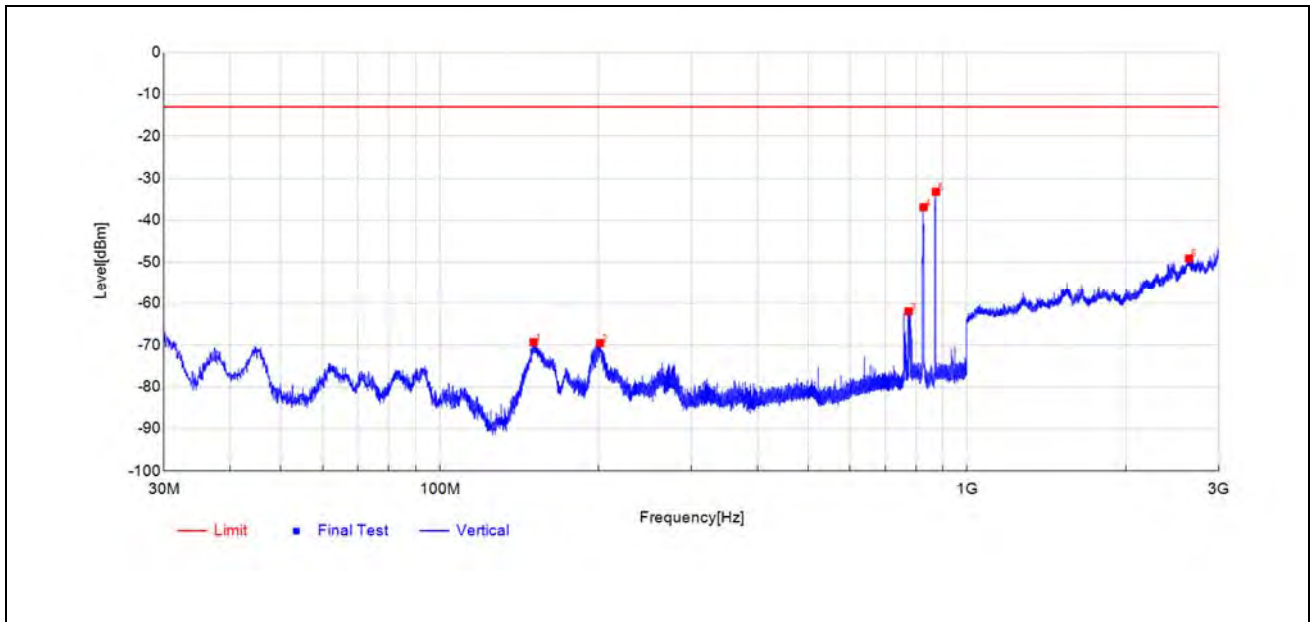




(Antenna Horizontal, 1GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
5069.069	-52.83	-50.56	2.3	-13.0	37.6	Horizontal	PASS
6666.6222	-53.15	-46.80	6.4	-13.0	33.8	Horizontal	PASS
7972.1657	-49.96	-42.71	7.3	-13.0	29.7	Horizontal	PASS
10235.7412	-52.61	-42.66	10.0	-13.0	29.7	Horizontal	PASS
12483.3161	-54.64	-40.09	14.6	-13.0	27.1	Horizontal	PASS
17019.4673	-54.65	-36.18	18.5	-13.0	23.2	Horizontal	PASS

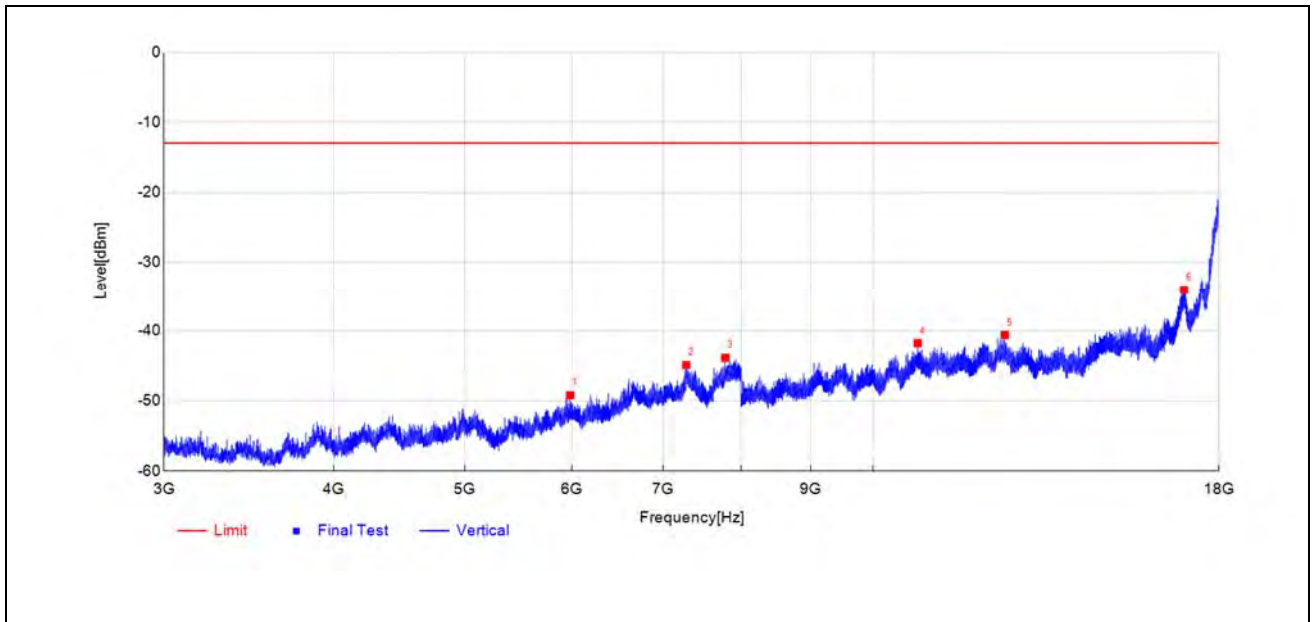




(Antenna Vertical, 30MHz to 1GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
150.868	-49.74	-69.32	-19.6	-13.0	56.3	Vertical	PASS
201.5531	-50.48	-69.57	-19.1	-13.0	56.6	Vertical	PASS
776.0158	-55.99	-62.00	-6.0	-13.0	49.0	Vertical	PASS
826.6038	-31.69	-36.95	-5.3	-13.0	24.0	Vertical	NA
871.5171	-26.98	-33.26	-6.3	-13.0	20.3	Vertical	NA
2637.5275	-58.19	-49.05	9.1	-13.0	36.1	Vertical	PASS



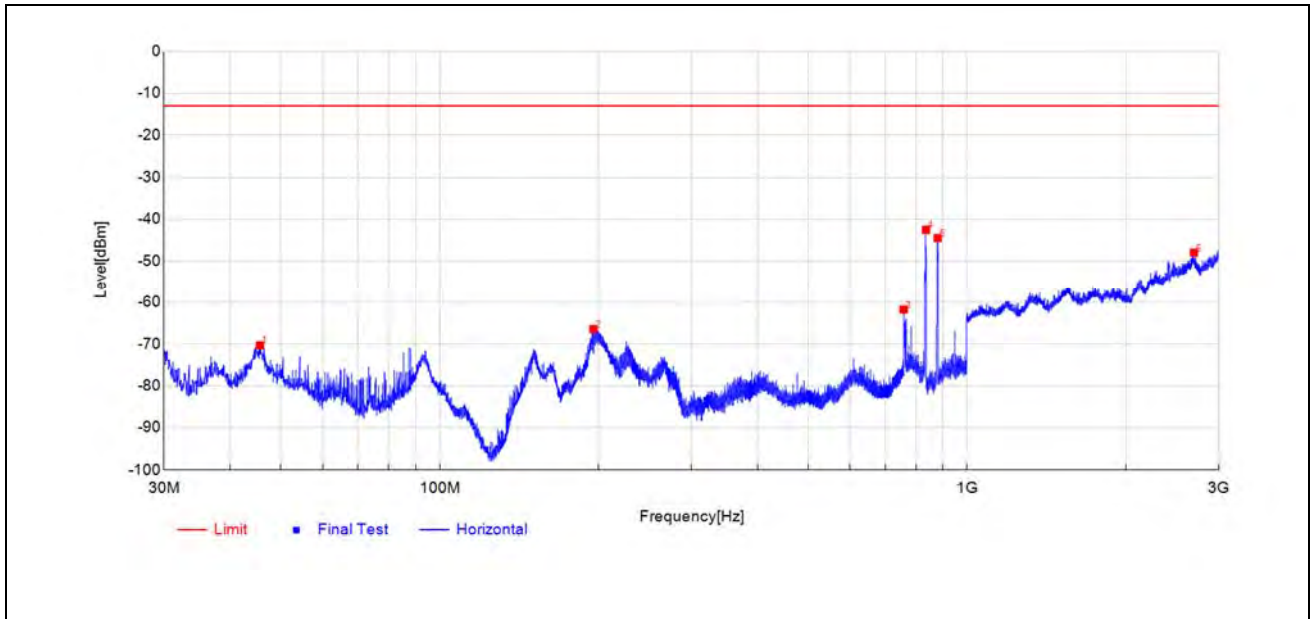


(Antenna Vertical, 1GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
5985.0995	-53.39	-49.19	4.2	-13.0	36.2	Vertical	PASS
7289.643	-52.63	-44.88	7.8	-13.0	31.9	Vertical	PASS
7787.6596	-50.11	-43.79	6.3	-13.0	30.8	Vertical	PASS
10801.7601	-53.76	-41.79	12.0	-13.0	28.8	Vertical	PASS
12515.8172	-54.42	-40.61	13.8	-13.0	27.6	Vertical	PASS
16980.466	-55.57	-33.98	21.6	-13.0	21.0	Vertical	PASS



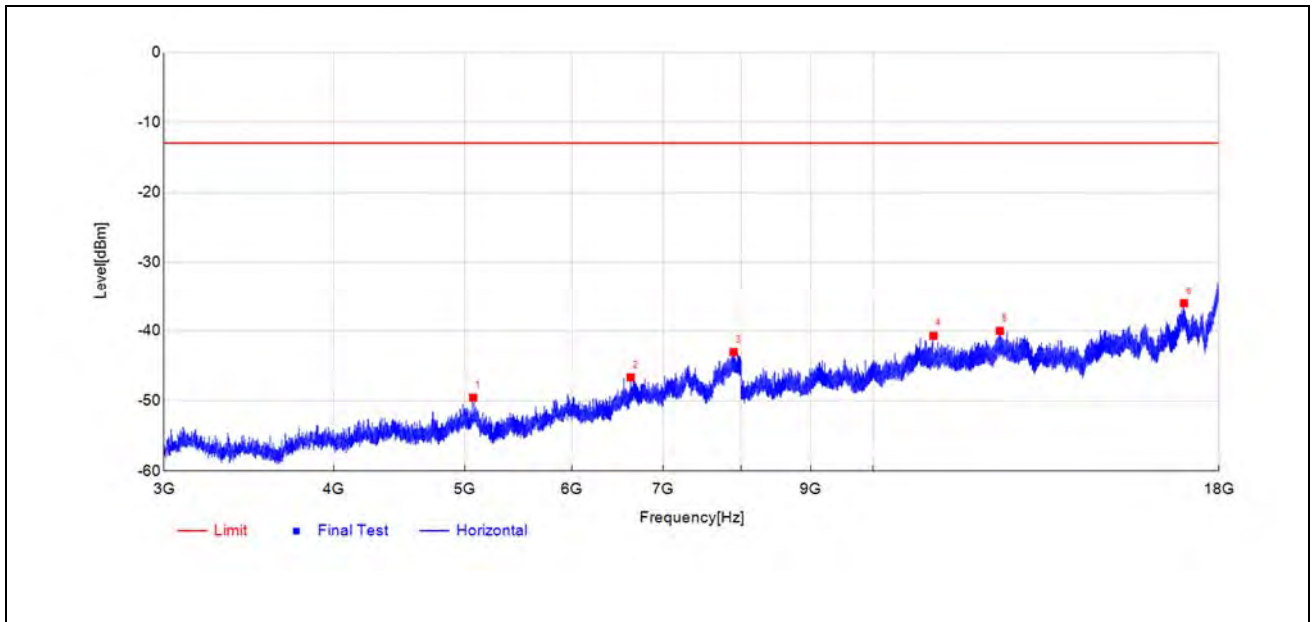
Plot for Mid Channel



(Antenna Horizontal, 30MHz to 1GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
45.6663	-61.47	-70.27	-8.8	-13.0	57.3	Horizontal	PASS
195.9268	-47.53	-66.41	-18.9	-13.0	53.4	Horizontal	PASS
759.0885	-55.87	-61.73	-5.9	-13.0	48.7	Horizontal	PASS
836.0618	-36.10	-42.43	-6.3	-13.0	29.4	Horizontal	NA
879.3745	-36.95	-44.42	-7.5	-13.0	31.4	Horizontal	NA
2688.7377	-58.20	-47.99	10.2	-13.0	35.0	Horizontal	PASS

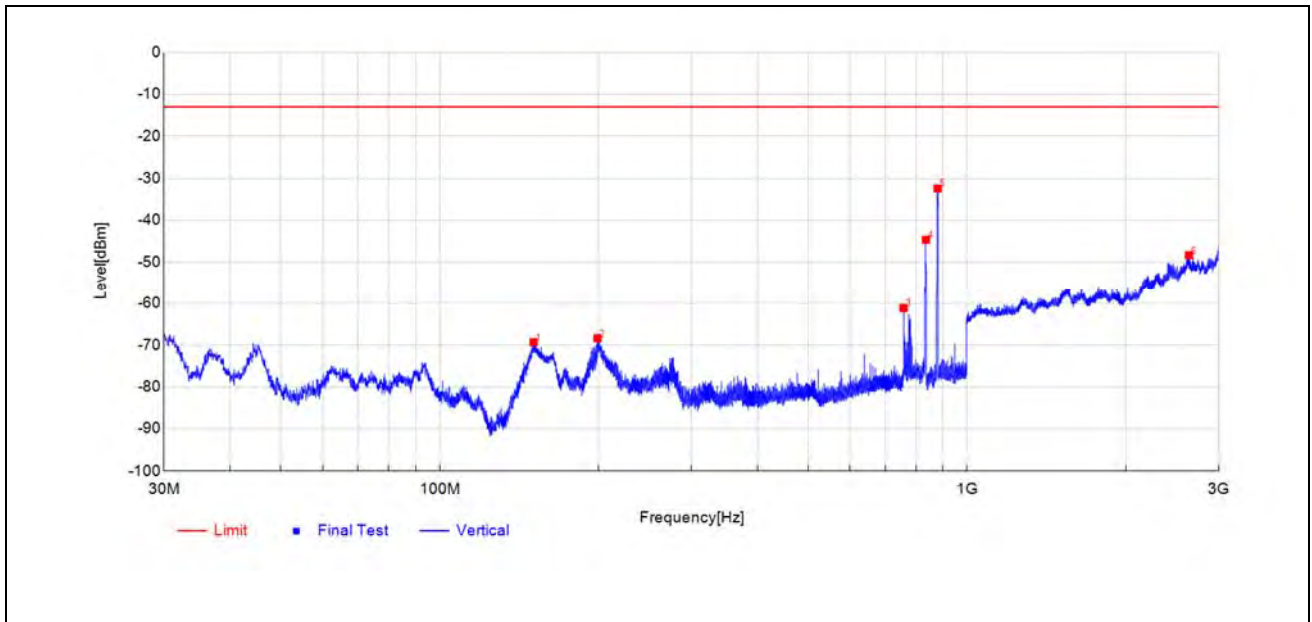




(Antenna Horizontal, 1GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
5068.569	-51.86	-49.59	2.3	-13.0	36.6	Horizontal	PASS
6633.6211	-52.56	-46.65	5.9	-13.0	33.7	Horizontal	PASS
7892.6631	-50.46	-43.07	7.4	-13.0	30.1	Horizontal	PASS
11083.7695	-52.99	-40.65	12.3	-13.0	27.7	Horizontal	PASS
12417.8139	-54.94	-40.05	14.9	-13.0	27.1	Horizontal	PASS
16971.4657	-54.76	-36.05	18.7	-13.0	23.1	Horizontal	PASS

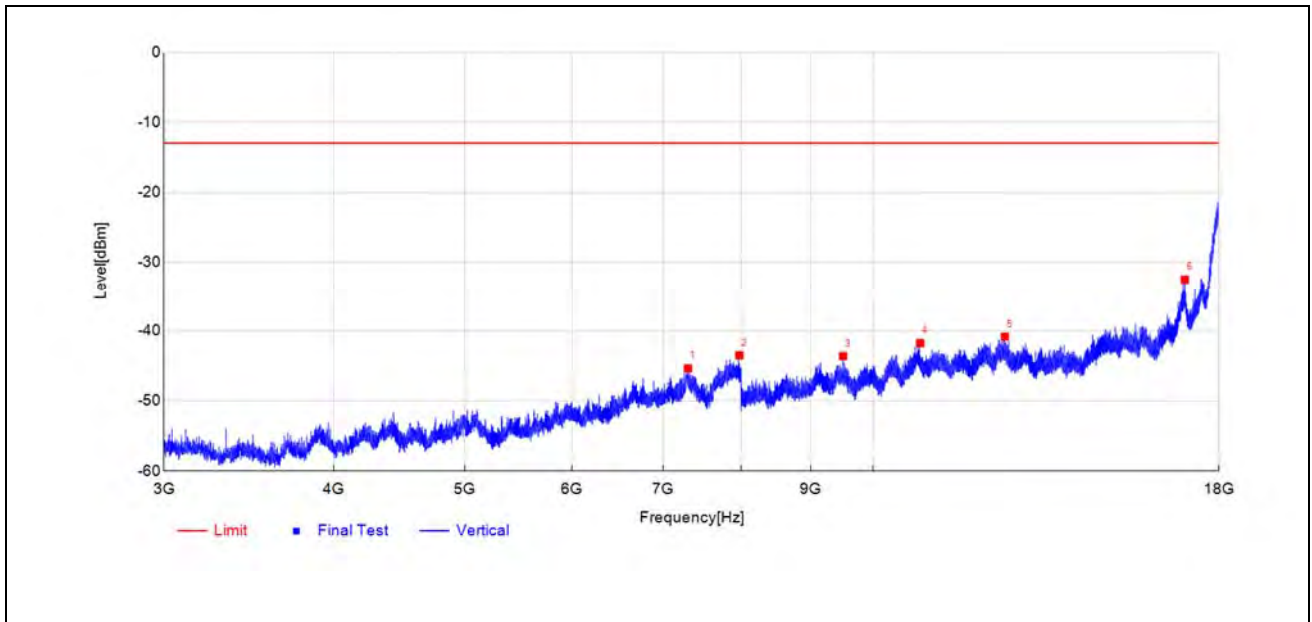




(Antenna Vertical, 30MHz to 1GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
150.771	-49.84	-69.42	-19.6	-13.0	56.4	Vertical	PASS
198.8854	-49.32	-68.47	-19.2	-13.0	55.5	Vertical	PASS
758.8459	-53.34	-61.11	-7.8	-13.0	48.1	Vertical	PASS
836.4983	-39.00	-44.58	-5.6	-13.0	31.6	Vertical	PASS
880.0535	-26.34	-32.33	-6.0	-13.0	19.3	Vertical	PASS
2637.9276	-57.46	-48.31	9.2	-13.0	35.3	Vertical	PASS



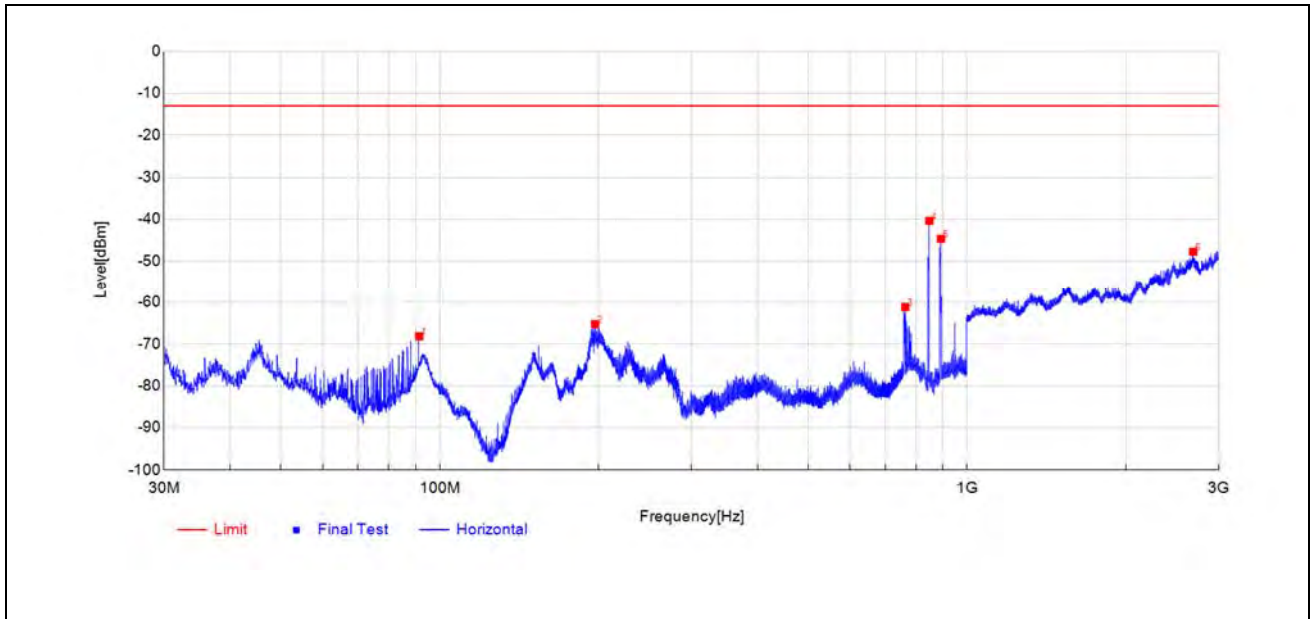


(Antenna Vertical, 1GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
7307.1436	-53.33	-45.34	8.0	-13.0	32.3	Vertical	PASS
7968.1656	-50.01	-43.54	6.5	-13.0	30.5	Vertical	PASS
9505.7169	-52.69	-43.64	9.1	-13.0	30.6	Vertical	PASS
10833.7611	-53.32	-41.70	11.6	-13.0	28.7	Vertical	PASS
12518.8173	-54.61	-40.81	13.8	-13.0	27.8	Vertical	PASS
17005.4668	-54.09	-32.49	21.6	-13.0	19.5	Vertical	PASS



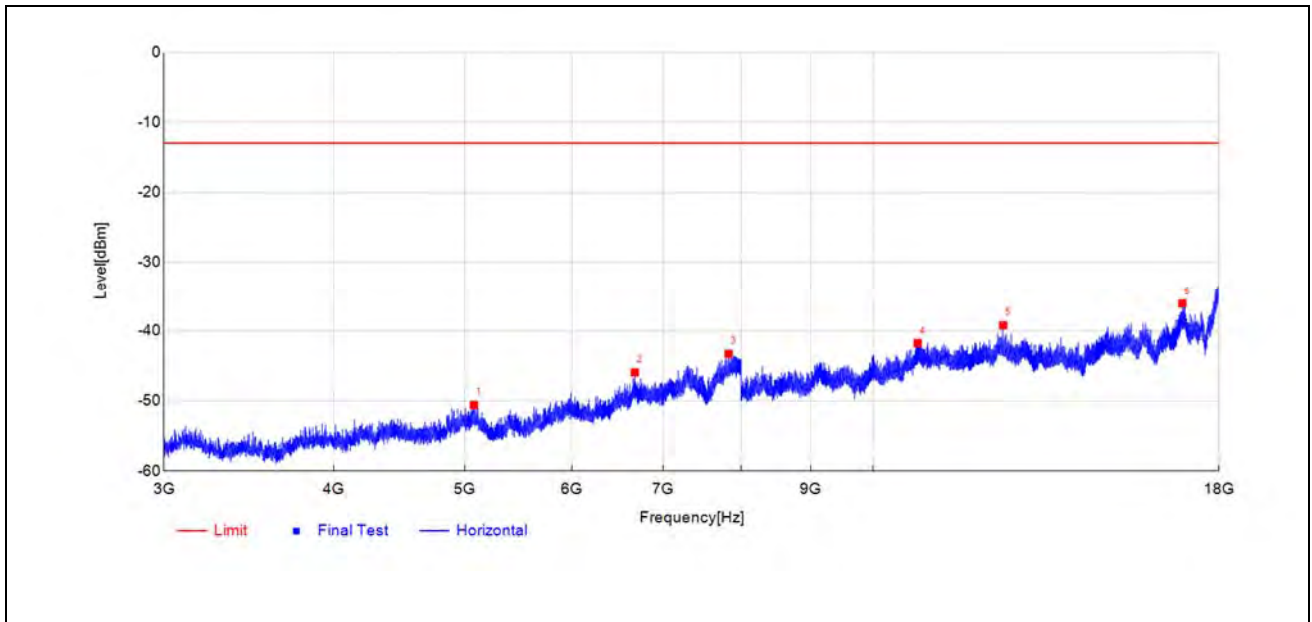
Plot for High Channel



(Antenna Horizontal, 30MHz to 1GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
91.3556	-46.12	-68.17	-22.1	-13.0	55.2	Horizontal	PASS
196.9453	-46.60	-65.24	-18.6	-13.0	52.2	Horizontal	PASS
764.9087	-56.22	-61.14	-4.9	-13.0	48.1	Horizontal	PASS
847.8964	-32.76	-40.36	-7.6	-13.0	27.4	Horizontal	NA
892.5186	-38.05	-44.72	-6.7	-13.0	31.7	Horizontal	NA
2686.3373	-57.93	-47.86	10.1	-13.0	34.9	Horizontal	PASS

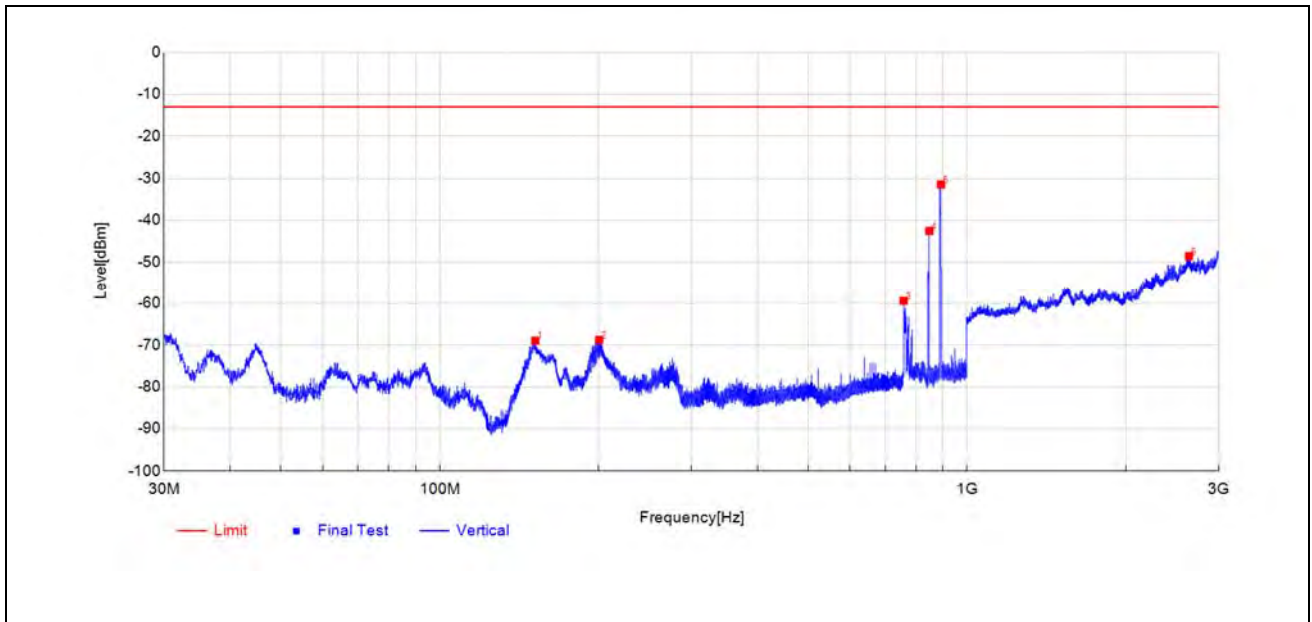




(Antenna Horizontal, 1GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
5080.5694	-52.94	-50.57	2.4	-13.0	37.6	Horizontal	PASS
6676.6226	-52.27	-45.90	6.4	-13.0	32.9	Horizontal	PASS
7825.6609	-50.15	-43.25	6.9	-13.0	30.3	Horizontal	PASS
10793.7598	-54.04	-41.77	12.3	-13.0	28.8	Horizontal	PASS
12484.3161	-53.69	-39.14	14.6	-13.0	26.1	Horizontal	PASS
16932.4644	-54.63	-36.02	18.6	-13.0	23.0	Horizontal	PASS

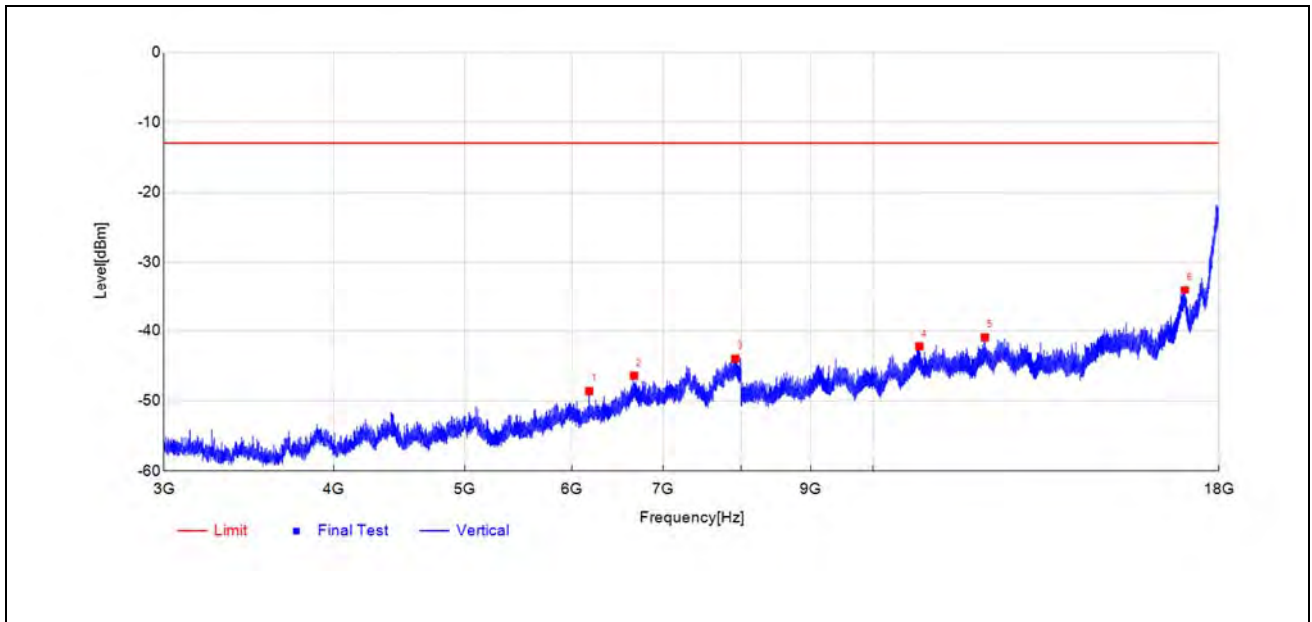




(Antenna Vertical, 30MHz to 1GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
151.5471	-49.32	-68.90	-19.6	-13.0	55.9	Vertical	PASS
200.292	-49.70	-68.83	-19.1	-13.0	55.8	Vertical	PASS
759.137	-51.81	-59.53	-7.7	-13.0	46.5	Vertical	PASS
847.6539	-36.30	-42.61	-6.3	-13.0	29.6	Vertical	NA
891.6456	-25.76	-31.44	-5.7	-13.0	18.4	Vertical	NA
2637.9276	-57.71	-48.56	9.2	-13.0	35.6	Vertical	PASS





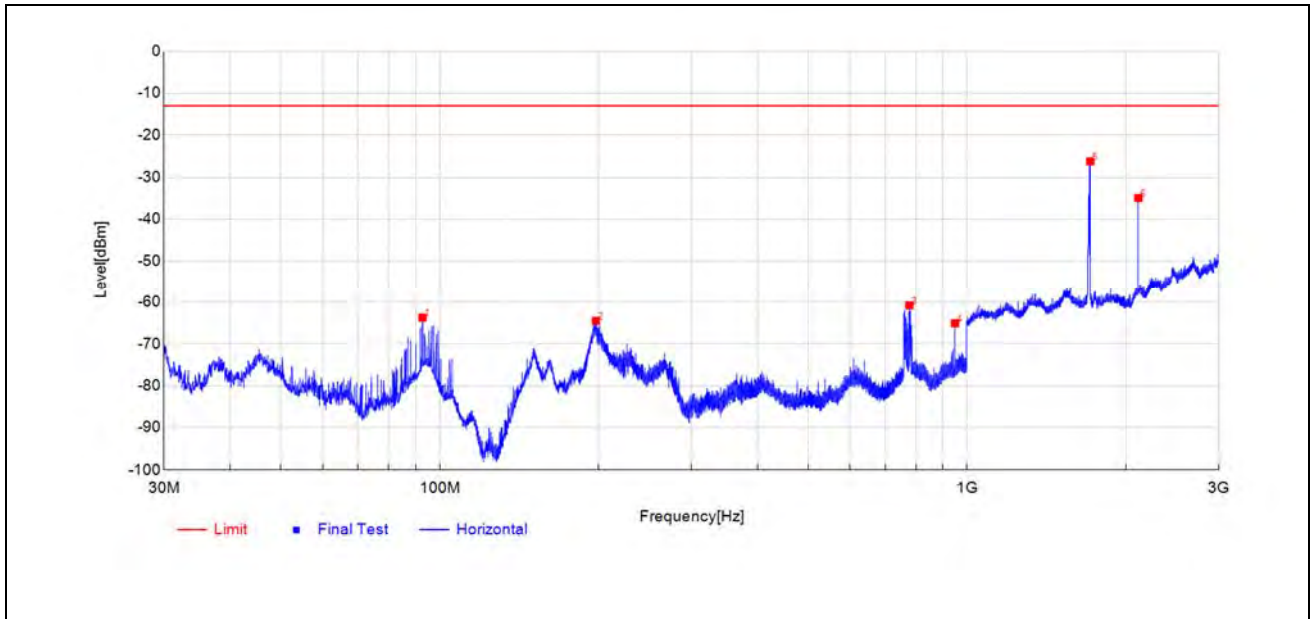
(Antenna Vertical, 1GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
6182.6061	-52.42	-48.62	3.8	-13.0	35.6	Vertical	PASS
6664.6222	-52.89	-46.42	6.5	-13.0	33.4	Vertical	PASS
7917.1639	-50.55	-43.92	6.6	-13.0	30.9	Vertical	PASS
10819.2606	-54.00	-42.23	11.8	-13.0	29.2	Vertical	PASS
12102.3034	-54.22	-40.88	13.3	-13.0	27.9	Vertical	PASS
16983.9661	-55.62	-34.01	21.6	-13.0	21.0	Vertical	PASS



**WCDMA Band IV(WCDMA)**

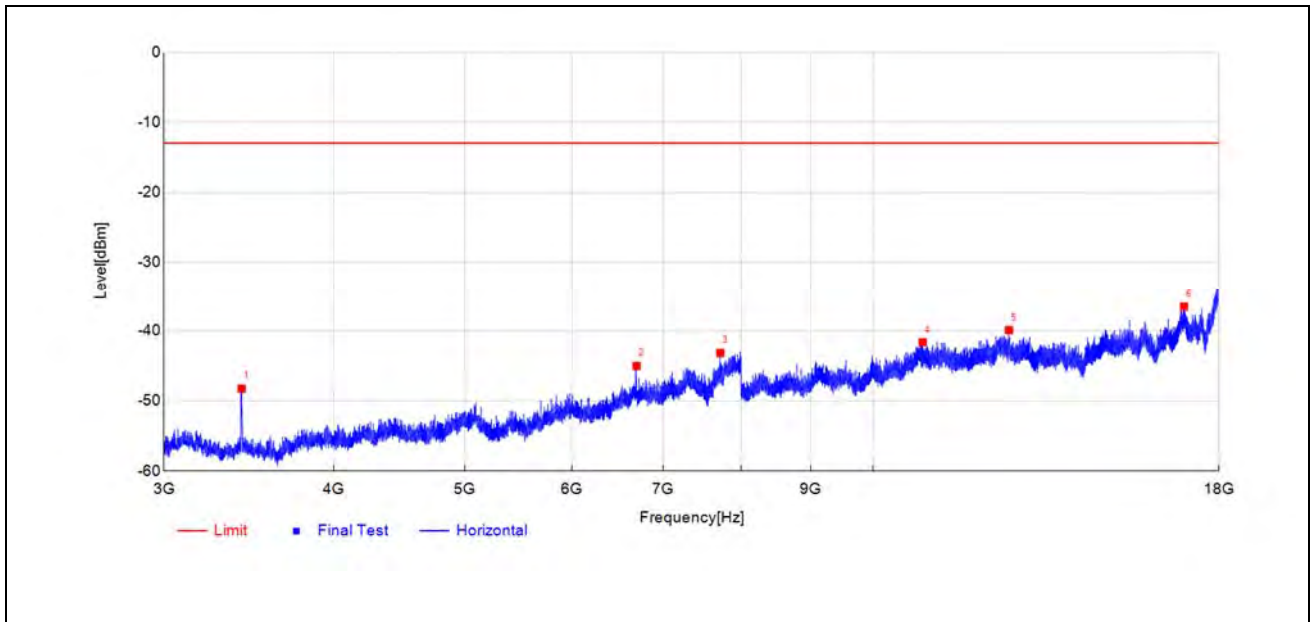
Plot for Low Channel



(Antenna Horizontal, 30MHz to 1GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
92.8591	-41.31	-63.79	-22.5	-13.0	50.8	Horizontal	PASS
198.0609	-45.79	-64.50	-18.7	-13.0	51.5	Horizontal	PASS
778.6349	-55.86	-60.91	-5.1	-13.0	47.9	Horizontal	PASS
948.3934	-59.50	-65.08	-5.6	-13.0	52.1	Horizontal	PASS
1712.9426	-27.11	-26.19	0.9	-13.0	13.2	Horizontal	NA
2113.4227	-37.69	-34.96	2.7	-13.0	22.0	Horizontal	NA

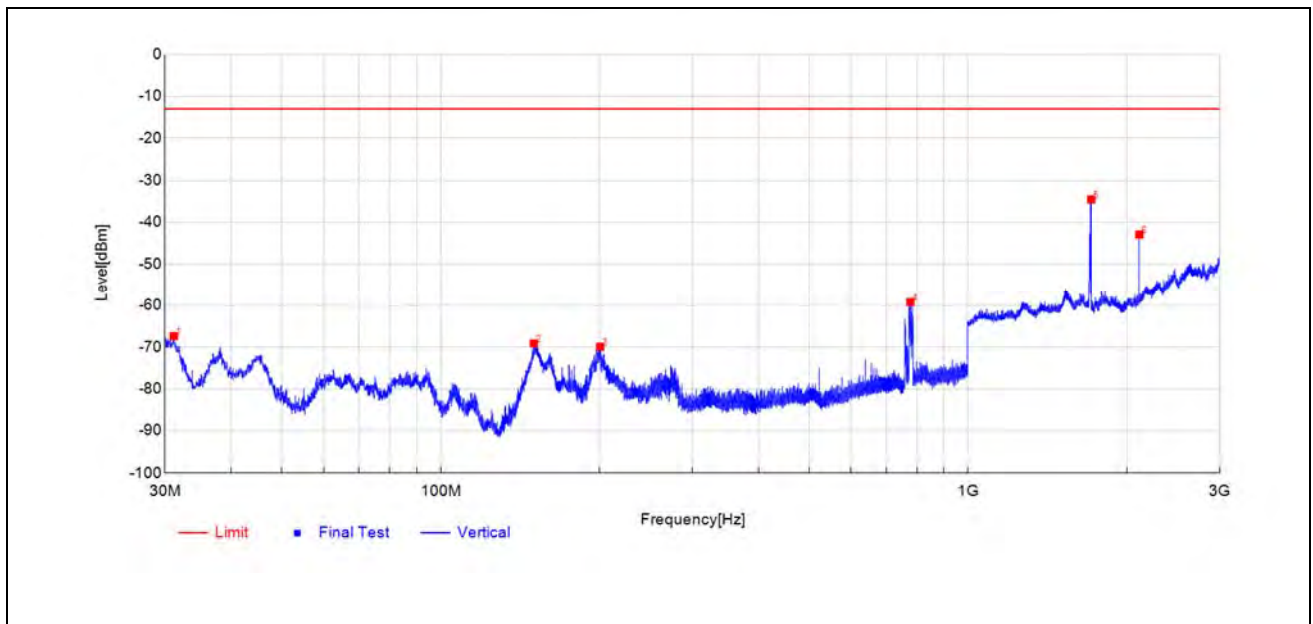




(Antenna Horizontal, 1GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3422.5141	-44.52	-48.26	-3.7	-13.0	35.3	Horizontal	PASS
6693.6231	-51.39	-44.98	6.4	-13.0	32.0	Horizontal	PASS
7716.6572	-49.50	-43.09	6.4	-13.0	30.1	Horizontal	PASS
10887.7629	-53.88	-41.66	12.2	-13.0	28.7	Horizontal	PASS
12602.3201	-54.32	-39.91	14.4	-13.0	26.9	Horizontal	PASS
16976.9659	-55.27	-36.54	18.7	-13.0	23.5	Horizontal	PASS

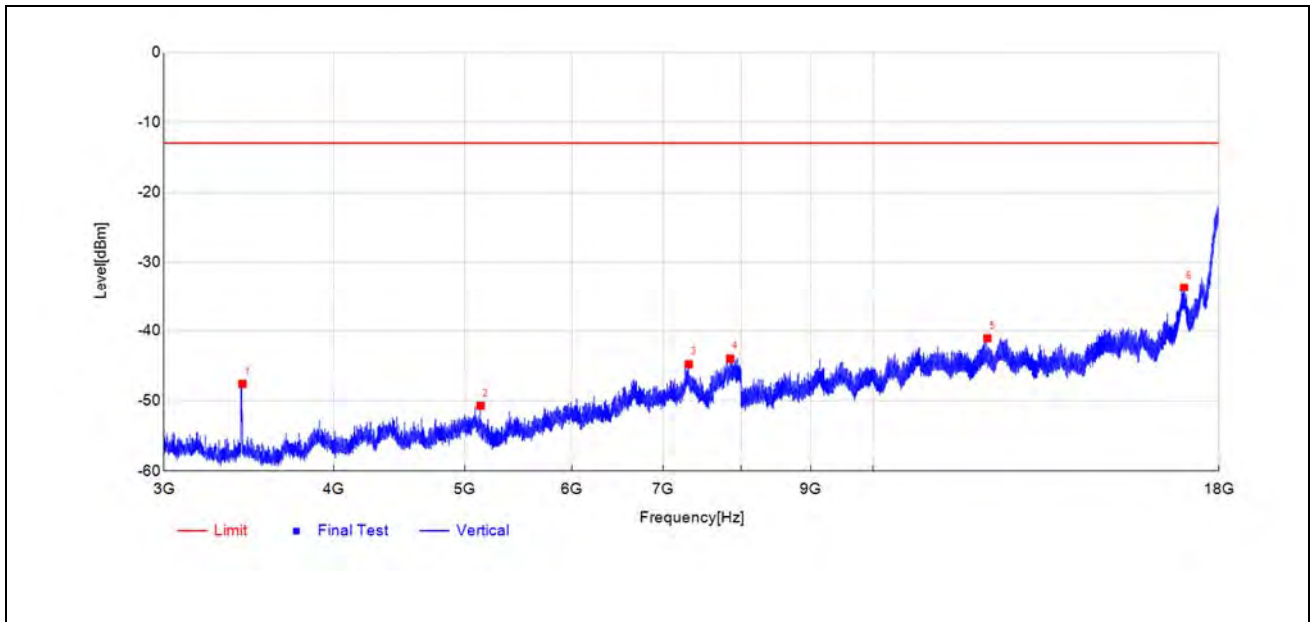




(Antenna Vertical, 30MHz to 1GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
31.1641	-46.92	-67.40	-20.5	-13.0	54.4	Vertical	PASS
150.3345	-49.46	-69.21	-19.8	-13.0	56.2	Vertical	PASS
200.971	-50.43	-69.91	-19.5	-13.0	56.9	Vertical	PASS
777.9559	-52.33	-59.35	-7.0	-13.0	46.4	Vertical	PASS
1712.9426	-34.43	-34.57	-0.1	-13.0	21.6	Vertical	NA
2112.6225	-43.71	-42.91	0.8	-13.0	29.9	Vertical	NA





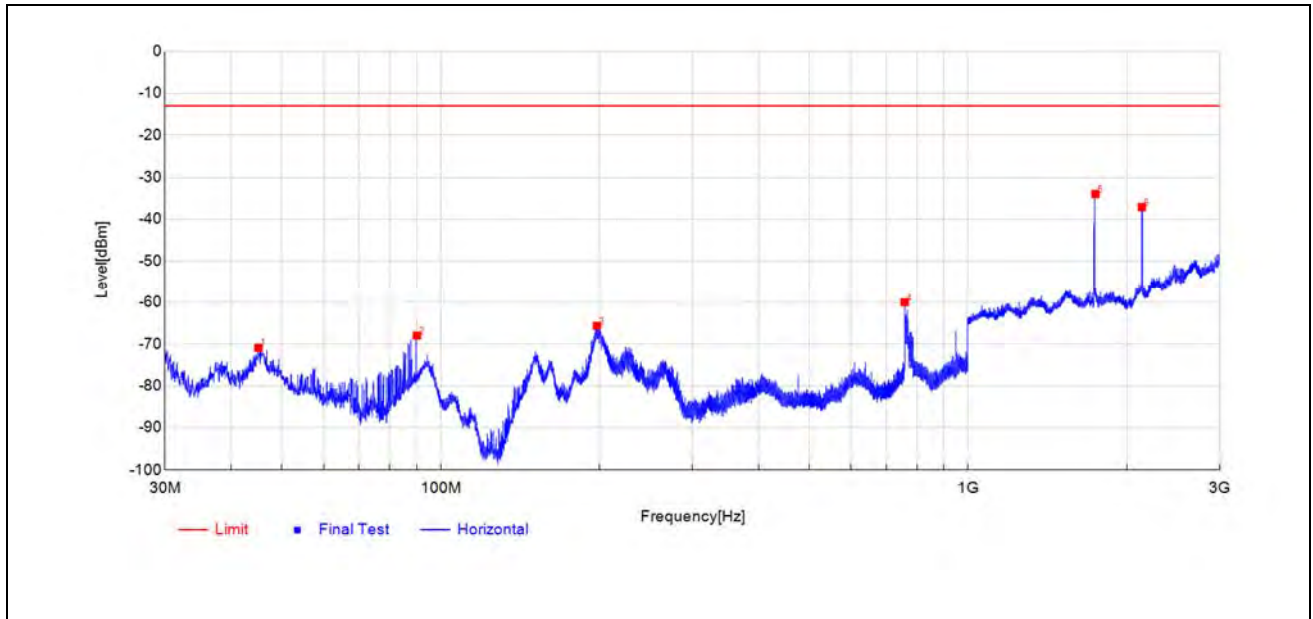
(Antenna Vertical, 1GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3426.5142	-43.64	-47.63	-4.0	-13.0	34.6	Vertical	PASS
5134.0711	-51.93	-50.75	1.2	-13.0	37.8	Vertical	PASS
7312.1437	-52.66	-44.74	7.9	-13.0	31.7	Vertical	PASS
7849.1616	-50.18	-43.91	6.3	-13.0	30.9	Vertical	PASS
12147.3049	-54.28	-41.08	13.2	-13.0	28.1	Vertical	PASS
16976.4659	-55.26	-33.71	21.6	-13.0	20.7	Vertical	PASS





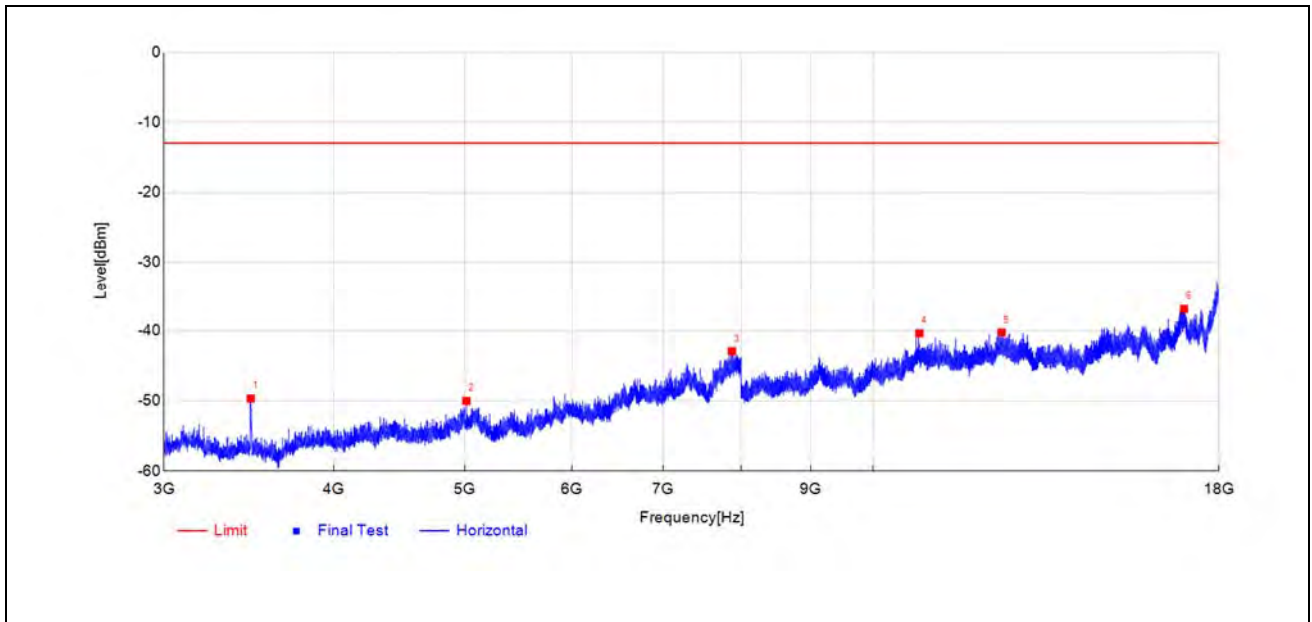
Plot for Mid Channel



(Antenna Horizontal, 30MHz to 1GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
45.0843	-61.71	-70.87	-9.2	-13.0	57.9	Horizontal	PASS
89.949	-45.79	-68.04	-22.3	-13.0	55.0	Horizontal	PASS
197.6729	-46.95	-65.75	-18.8	-13.0	52.8	Horizontal	PASS
759.137	-53.69	-59.99	-6.3	-13.0	47.0	Horizontal	PASS
1741.3483	-35.56	-33.95	1.6	-13.0	21.0	Horizontal	NA
2139.828	-39.57	-37.16	2.4	-13.0	24.2	Horizontal	NA

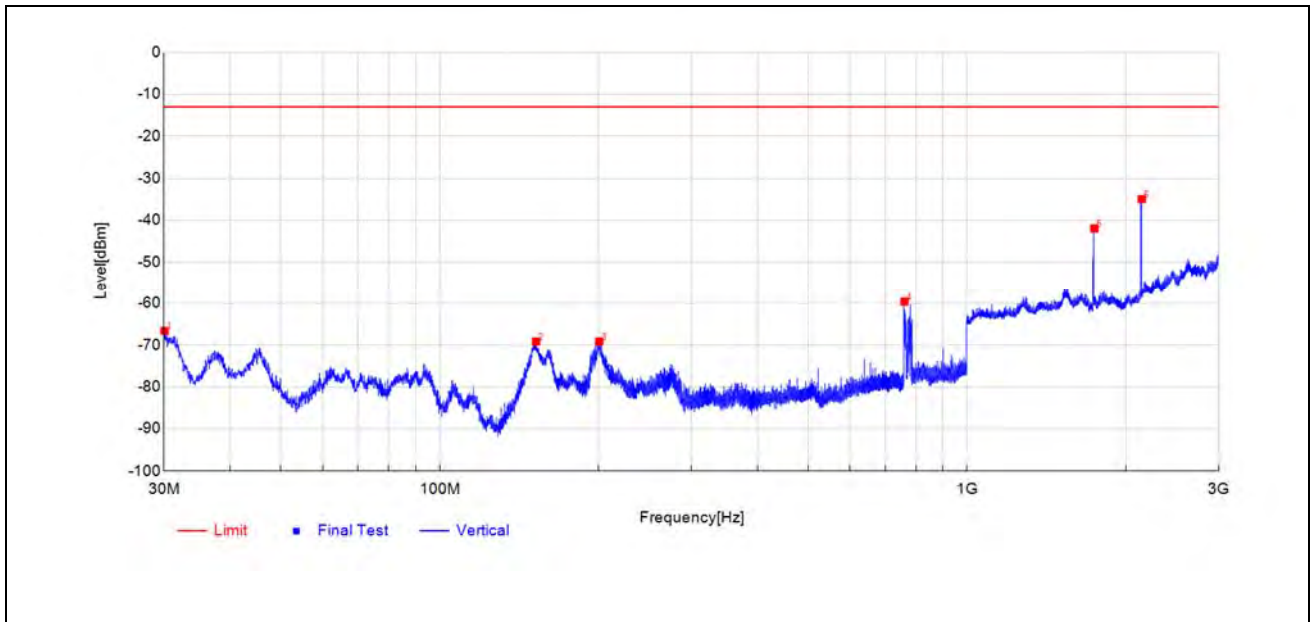




(Antenna Horizontal, 1GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3478.0159	-45.84	-49.67	-3.8	-13.0	36.7	Horizontal	PASS
5016.5672	-51.81	-49.98	1.8	-13.0	37.0	Horizontal	PASS
7872.6624	-50.06	-42.92	7.1	-13.0	29.9	Horizontal	PASS
10819.7607	-52.63	-40.33	12.3	-13.0	27.3	Horizontal	PASS
12438.8146	-55.03	-40.25	14.8	-13.0	27.3	Horizontal	PASS
16963.9655	-55.53	-36.83	18.7	-13.0	23.8	Horizontal	PASS

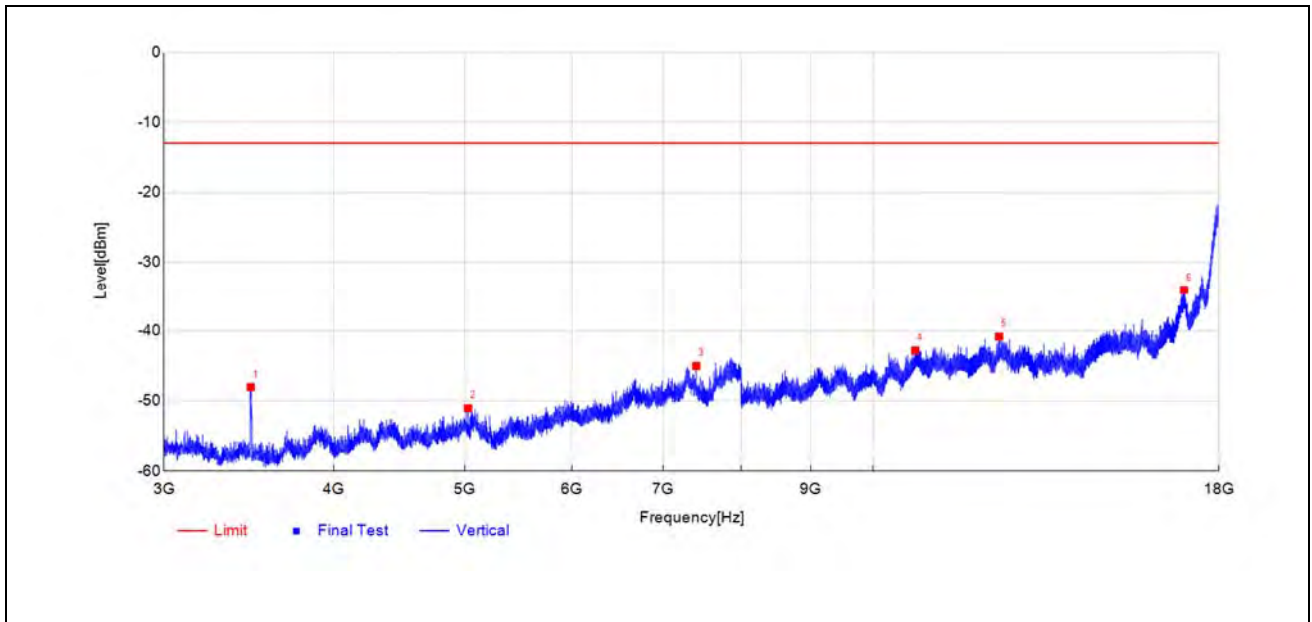




(Antenna Vertical, 30MHz to 1GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
30.097	-45.85	-66.64	-20.8	-13.0	53.6	Vertical	PASS
152.1291	-49.45	-69.20	-19.8	-13.0	56.2	Vertical	PASS
200.8255	-49.67	-69.15	-19.5	-13.0	56.2	Vertical	PASS
759.622	-51.54	-59.67	-8.1	-13.0	46.7	Vertical	PASS
1741.3483	-42.72	-42.03	0.7	-13.0	29.0	Vertical	NA
2141.4283	-36.58	-34.91	1.7	-13.0	21.9	Vertical	NA



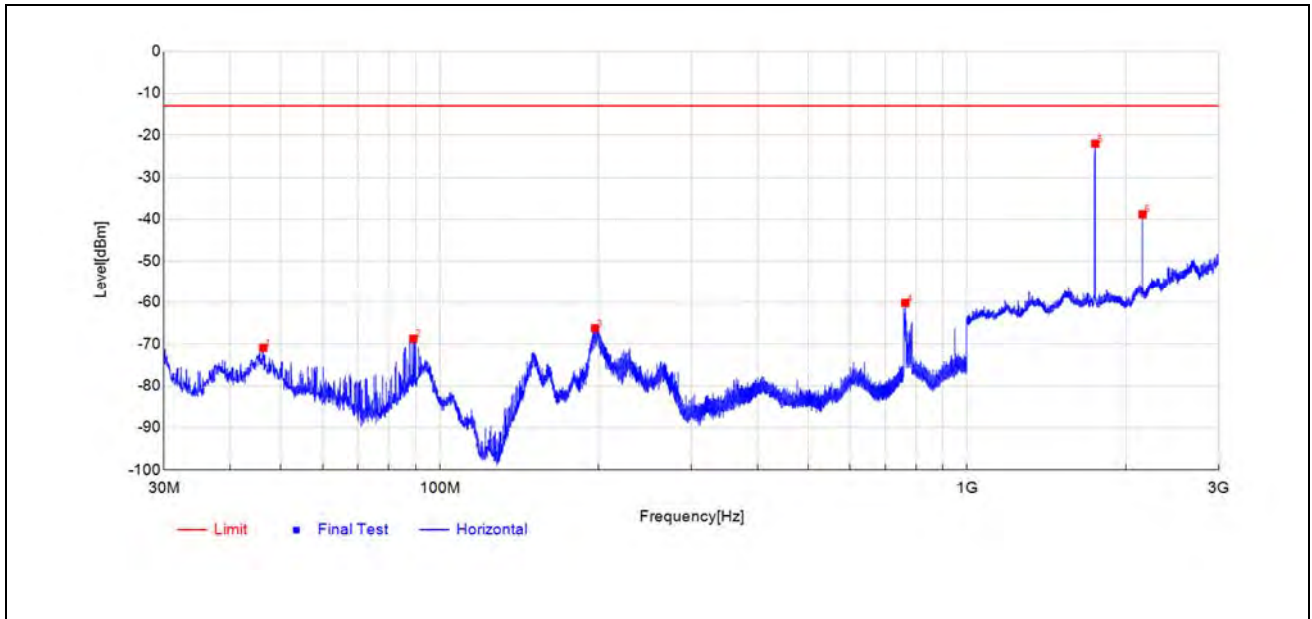


(Antenna Vertical, 1GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3477.5159	-43.80	-48.08	-4.3	-13.0	35.1	Vertical	PASS
5031.0677	-52.45	-51.07	1.4	-13.0	38.1	Vertical	PASS
7408.647	-51.71	-44.98	6.7	-13.0	32.0	Vertical	PASS
10748.2583	-54.30	-42.76	11.5	-13.0	29.8	Vertical	PASS
12400.8134	-54.90	-40.80	14.1	-13.0	27.8	Vertical	PASS
16970.4657	-55.54	-34.04	21.5	-13.0	21.0	Vertical	PASS



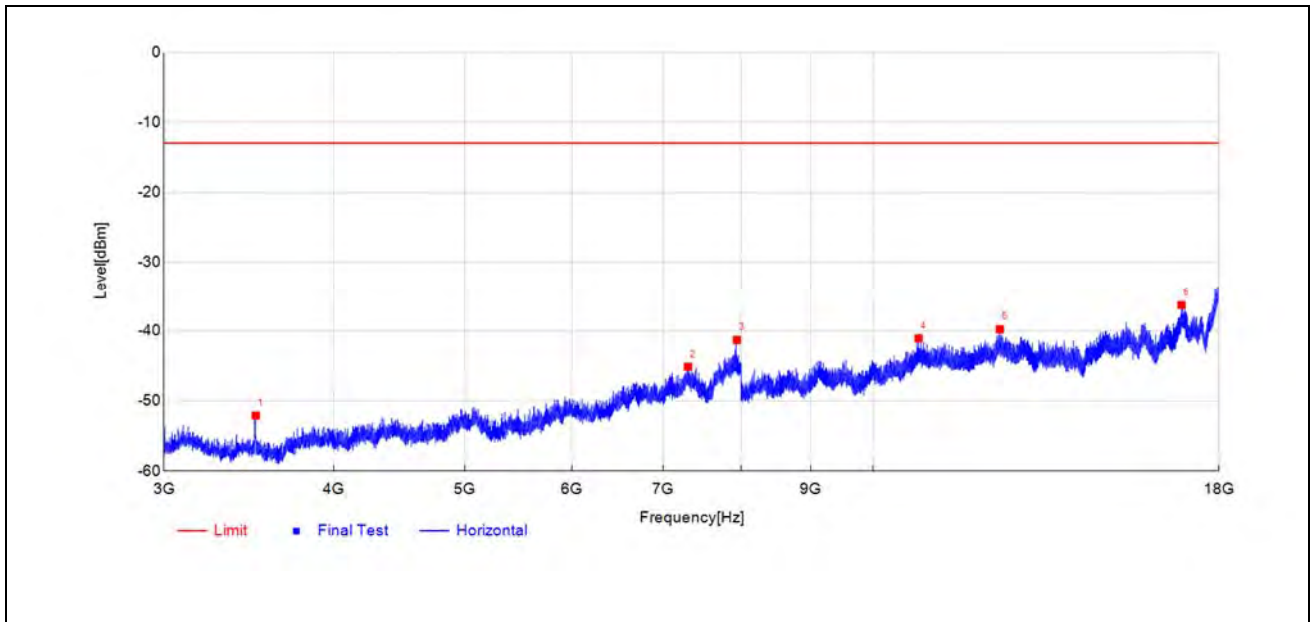
Plot for High Channel



(Antenna Horizontal, 30MHz to 1GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
46.1998	-62.01	-70.98	-9.0	-13.0	58.0	Horizontal	PASS
89.0275	-46.55	-68.73	-22.2	-13.0	55.7	Horizontal	PASS
196.7028	-47.31	-66.35	-19.0	-13.0	53.4	Horizontal	PASS
764.9087	-54.63	-60.20	-5.6	-13.0	47.2	Horizontal	PASS
1751.3503	-24.24	-22.17	2.1	-13.0	9.2	Horizontal	NA
2152.6305	-40.49	-38.75	1.7	-13.0	25.8	Horizontal	NA

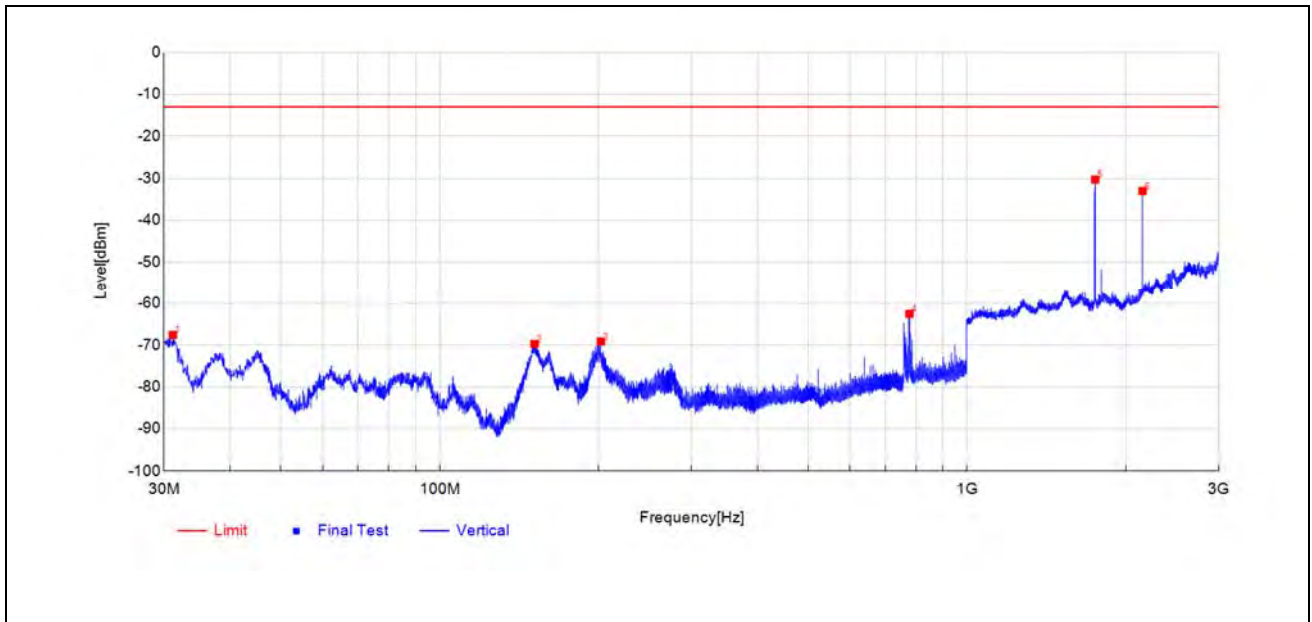




(Antenna Horizontal, 1GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3507.5169	-48.10	-52.16	-4.1	-13.0	39.2	Horizontal	PASS
7302.6434	-53.20	-45.14	8.1	-13.0	32.1	Horizontal	PASS
7934.6645	-48.60	-41.25	7.4	-13.0	28.3	Horizontal	PASS
10812.7604	-53.40	-41.08	12.3	-13.0	28.1	Horizontal	PASS
12403.8135	-54.71	-39.75	15.0	-13.0	26.8	Horizontal	PASS
16903.4634	-54.78	-36.23	18.6	-13.0	23.2	Horizontal	PASS

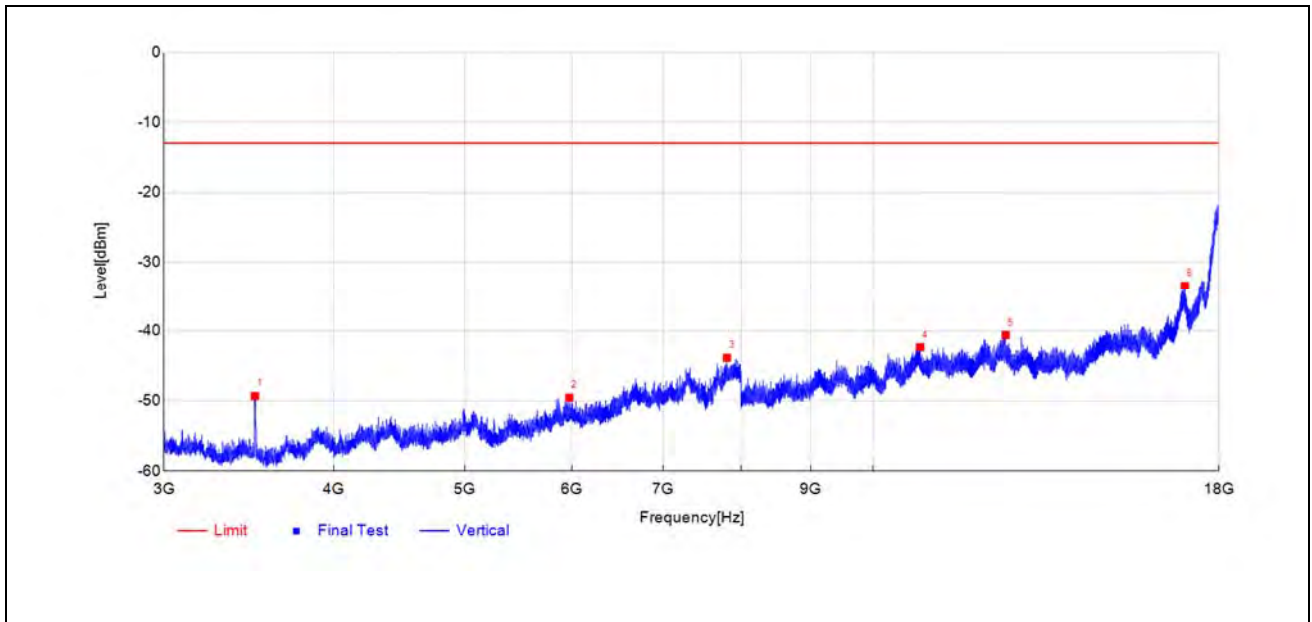




(Antenna Vertical, 30MHz to 1GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
31.2126	-47.08	-67.55	-20.5	-13.0	54.6	Vertical	PASS
151.3046	-50.04	-69.79	-19.8	-13.0	56.8	Vertical	PASS
201.8926	-49.74	-69.20	-19.5	-13.0	56.2	Vertical	PASS
776.9373	-55.49	-62.49	-7.0	-13.0	49.5	Vertical	PASS
1751.7504	-31.25	-30.18	1.1	-13.0	17.2	Vertical	NA
2153.8308	-35.13	-33.06	2.1	-13.0	20.1	Vertical	NA





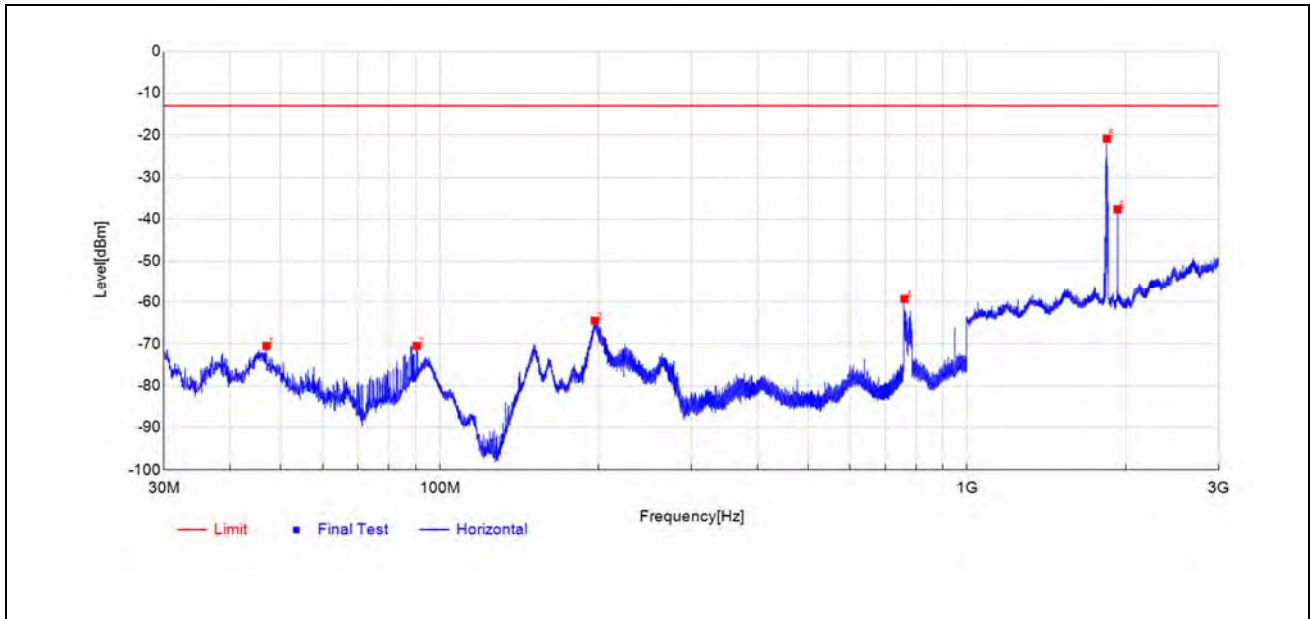
(Antenna Vertical, 1GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3503.0168	-44.71	-49.30	-4.6	-13.0	36.3	Vertical	PASS
5971.099	-53.70	-49.51	4.2	-13.0	36.5	Vertical	PASS
7807.1602	-50.28	-43.80	6.5	-13.0	30.8	Vertical	PASS
10837.7613	-53.95	-42.38	11.6	-13.0	29.4	Vertical	PASS
12539.818	-54.29	-40.57	13.7	-13.0	27.6	Vertical	PASS
16993.4664	-55.11	-33.43	21.7	-13.0	20.4	Vertical	PASS



**WCDMA Band II(WCDMA)**

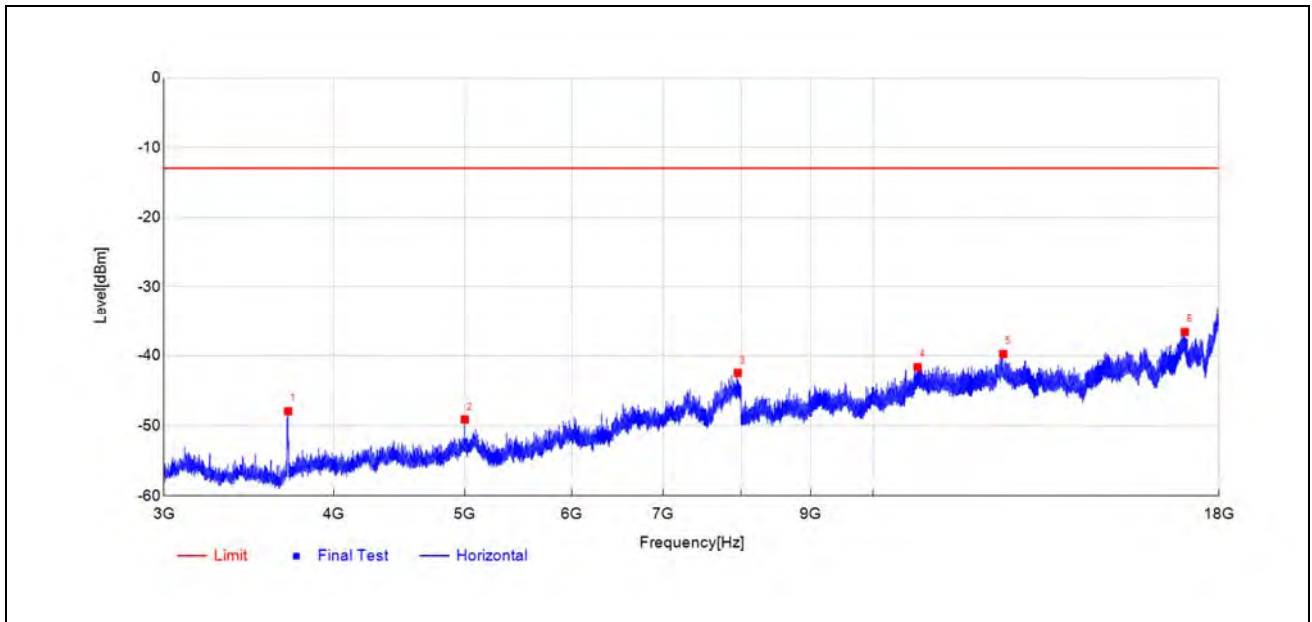
Plot for Low Channel



(Antenna Horizontal, 30MHz to 1GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
47.0244	-61.78	-70.62	-8.8	-13.0	57.6	Horizontal	PASS
90.531	-48.21	-70.51	-22.3	-13.0	57.5	Horizontal	PASS
196.7513	-45.44	-64.47	-19.0	-13.0	51.5	Horizontal	PASS
760.5435	-53.21	-59.33	-6.1	-13.0	46.3	Horizontal	PASS
1842.1684	-22.86	-20.85	2.0	-13.0	7.9	Horizontal	NA
1930.9862	-40.31	-37.59	2.7	-13.0	24.6	Horizontal	NA

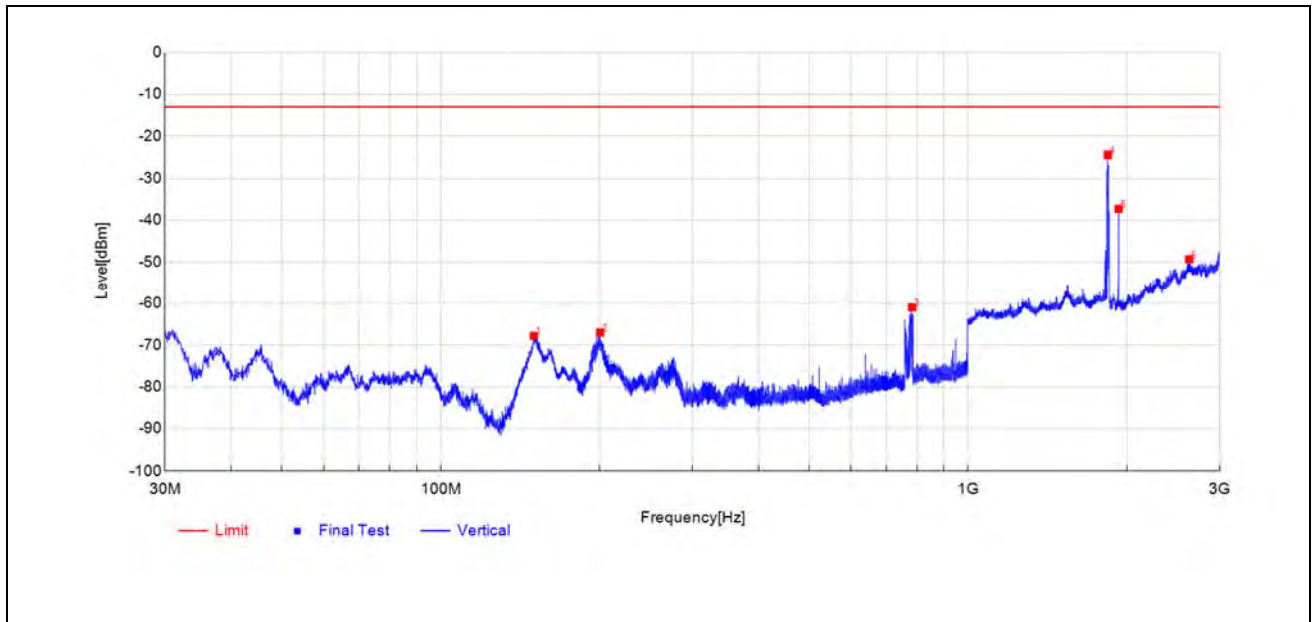




(Antenna Horizontal, 1GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3703.0234	-44.24	-47.88	-3.6	-13.0	34.9	Horizontal	PASS
5003.5668	-50.84	-49.11	1.7	-13.0	36.1	Horizontal	PASS
7946.6649	-49.80	-42.50	7.3	-13.0	29.5	Horizontal	PASS
10797.7599	-53.88	-41.57	12.3	-13.0	28.6	Horizontal	PASS
12473.8158	-54.33	-39.72	14.6	-13.0	26.7	Horizontal	PASS
16988.9663	-55.34	-36.59	18.8	-13.0	23.6	Horizontal	PASS

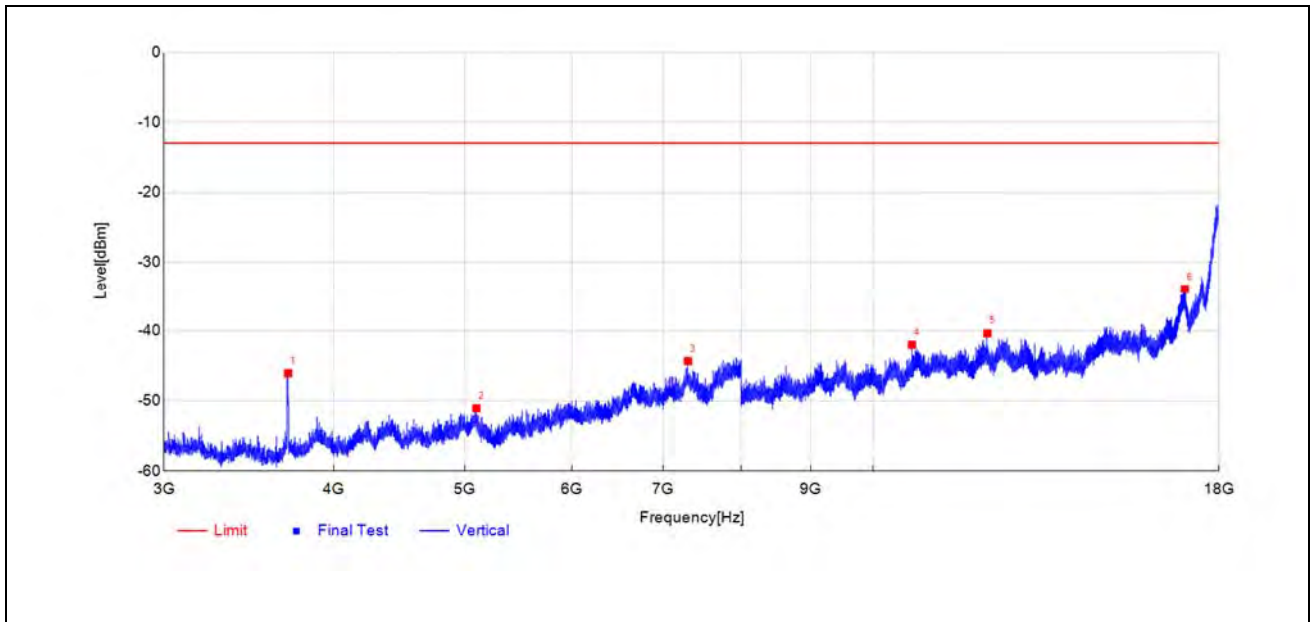




(Antenna Vertical, 30MHz to 1GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
150.383	-48.13	-67.87	-19.7	-13.0	54.9	Vertical	PASS
200.583	-47.63	-67.11	-19.5	-13.0	54.1	Vertical	PASS
782.9031	-53.90	-60.97	-7.1	-13.0	48.0	Vertical	PASS
1839.3679	-26.38	-24.39	2.0	-13.0	11.4	Vertical	NA
1933.3867	-39.16	-37.28	1.9	-13.0	24.3	Vertical	NA
2622.7245	-57.10	-49.34	7.8	-13.0	36.3	Vertical	PASS



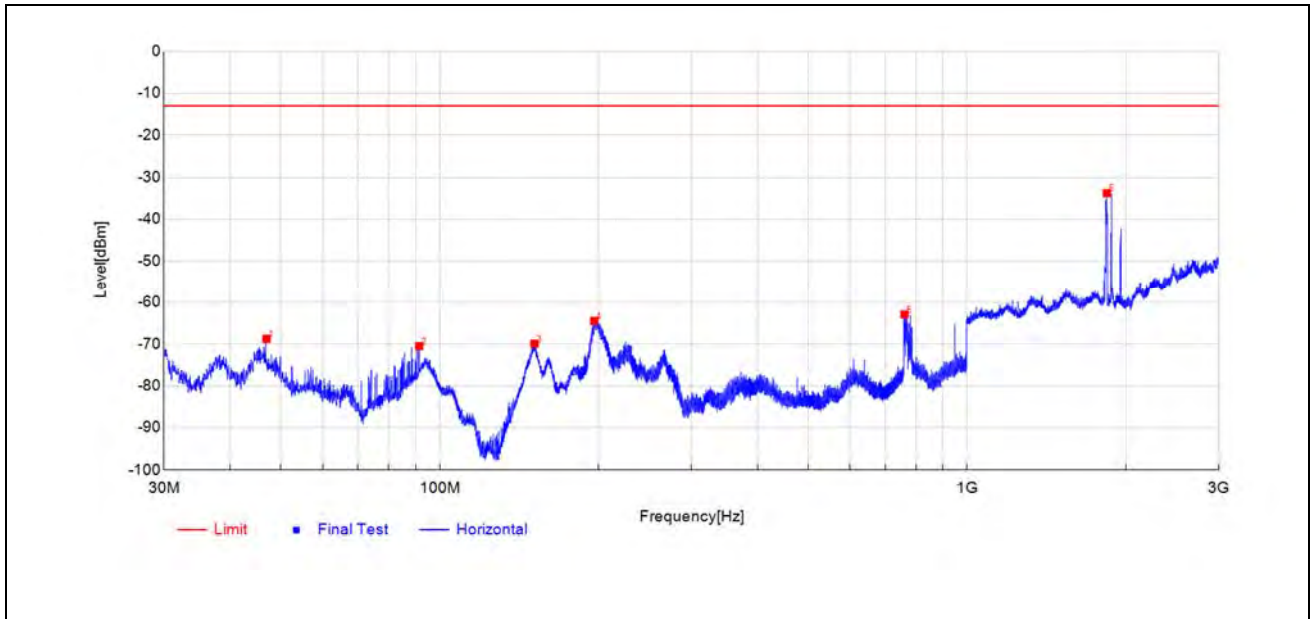


(Antenna Vertical, 1GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3702.0234	-42.81	-46.07	-3.3	-13.0	33.1	Vertical	PASS
5102.0701	-53.02	-51.11	1.9	-13.0	38.1	Vertical	PASS
7307.1436	-52.36	-44.37	8.0	-13.0	31.4	Vertical	PASS
10686.7562	-53.15	-42.02	11.1	-13.0	29.0	Vertical	PASS
12148.3049	-53.52	-40.33	13.2	-13.0	27.3	Vertical	PASS
17002.9668	-55.63	-33.97	21.7	-13.0	21.0	Vertical	PASS



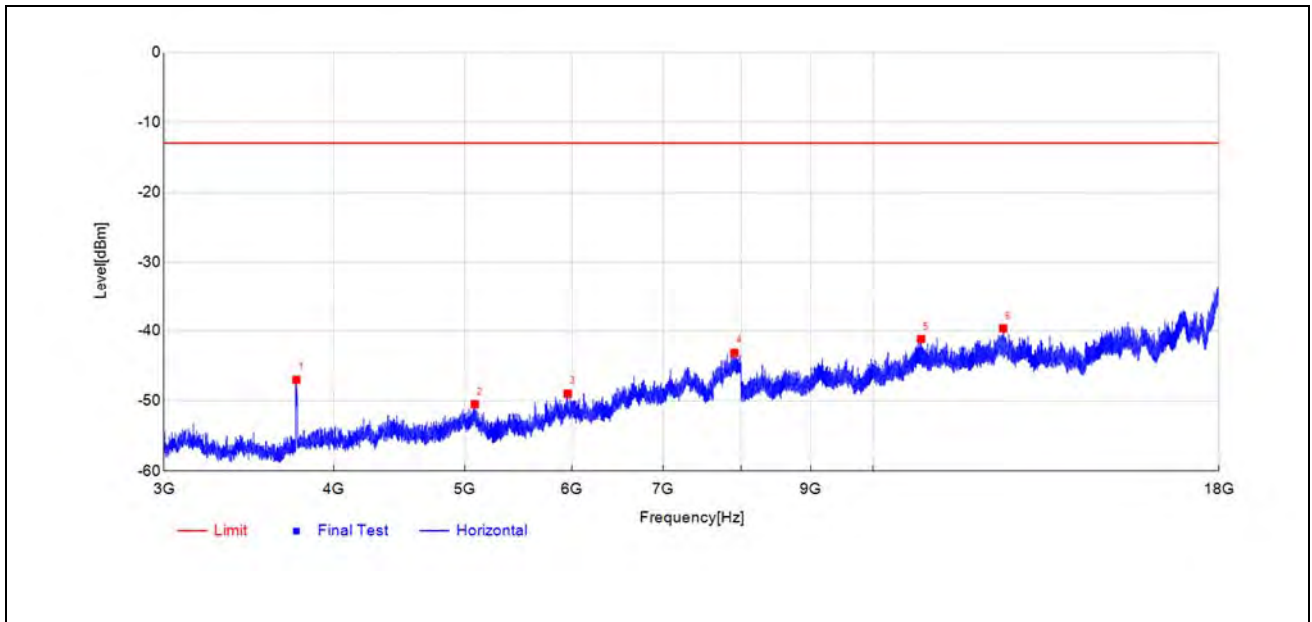
Plot for Mid Channel



(Antenna Horizontal, 30MHz to 1GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
46.8788	-59.98	-68.85	-8.9	-13.0	55.9	Horizontal	PASS
91.5011	-48.17	-70.54	-22.4	-13.0	57.5	Horizontal	PASS
151.3046	-43.44	-69.91	-26.5	-13.0	56.9	Horizontal	PASS
196.5088	-45.45	-64.53	-19.1	-13.0	51.5	Horizontal	PASS
760.495	-56.85	-62.98	-6.1	-13.0	50.0	Horizontal	PASS
1840.168	-35.66	-33.68	2.0	-13.0	20.7	Horizontal	PASS

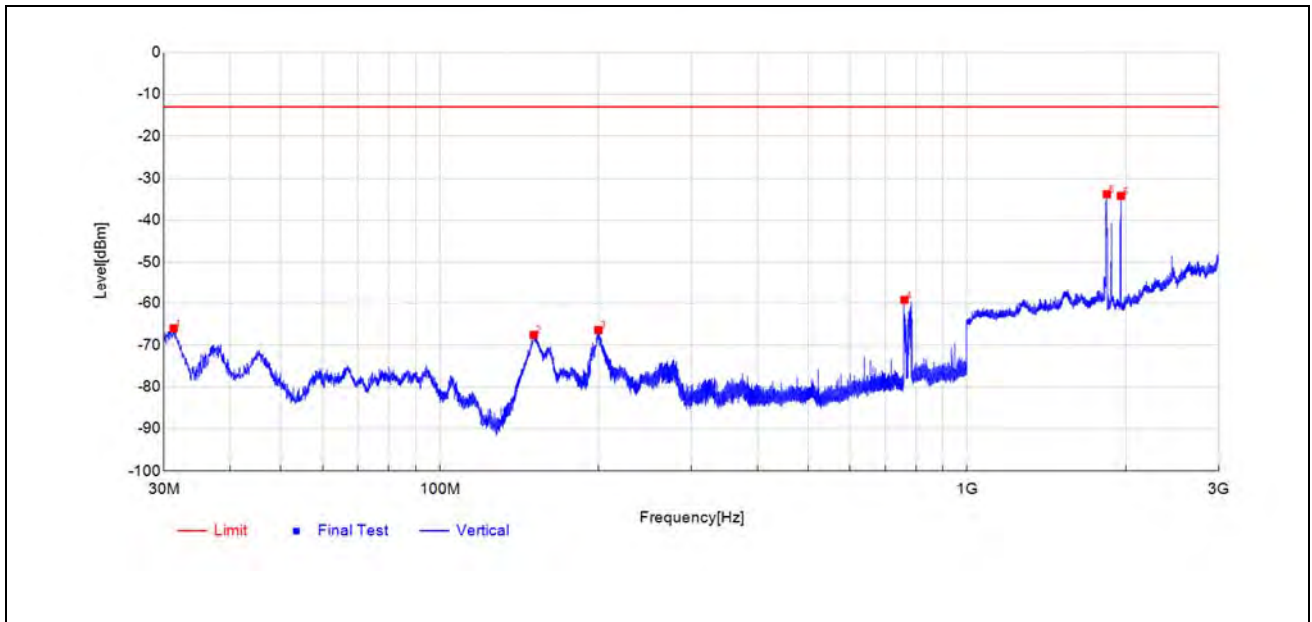




(Antenna Horizontal, 1GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3758.0253	-44.19	-46.95	-2.8	-13.0	34.0	Horizontal	PASS
5089.5697	-53.00	-50.56	2.4	-13.0	37.6	Horizontal	PASS
5955.5985	-53.51	-48.96	4.6	-13.0	36.0	Horizontal	PASS
7902.6634	-50.60	-43.13	7.5	-13.0	30.1	Horizontal	PASS
10857.7619	-53.47	-41.21	12.3	-13.0	28.2	Horizontal	PASS
12490.3163	-54.18	-39.66	14.5	-13.0	26.7	Horizontal	PASS

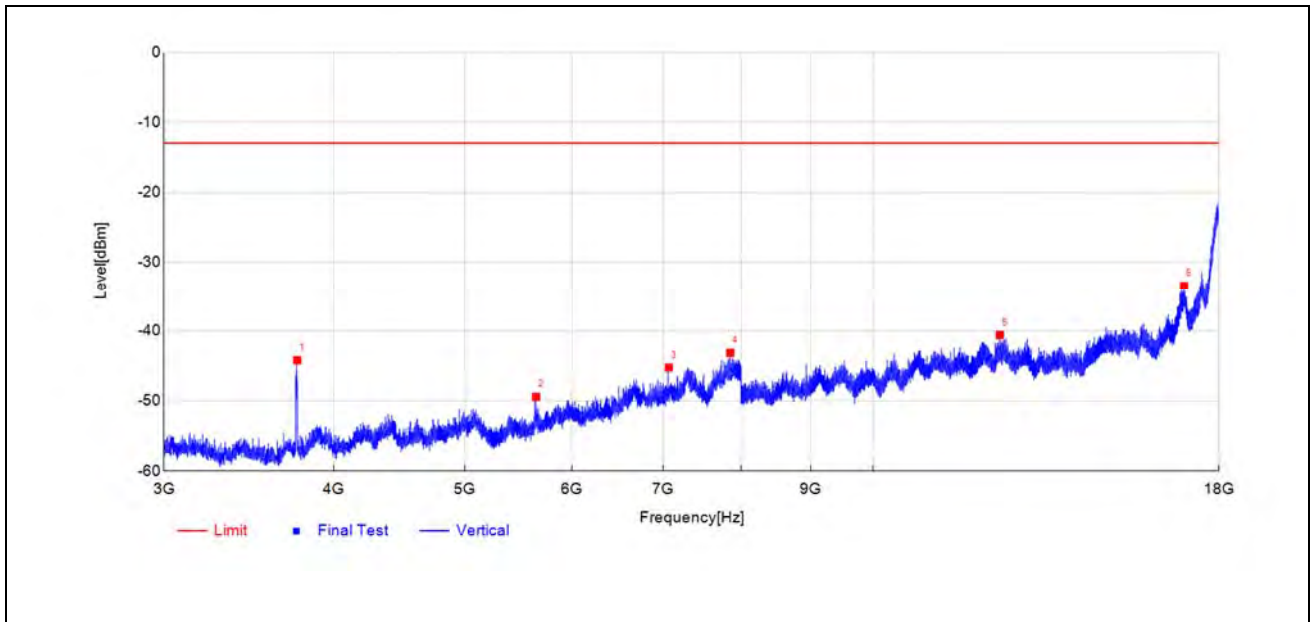




(Antenna Vertical, 30MHz to 1GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
31.2611	-45.71	-66.16	-20.5	-13.0	53.2	Vertical	PASS
150.674	-47.80	-67.54	-19.7	-13.0	54.5	Vertical	PASS
200.195	-46.87	-66.37	-19.5	-13.0	53.4	Vertical	PASS
760.5435	-51.32	-59.33	-8.0	-13.0	46.3	Vertical	PASS
1838.9678	-35.85	-33.84	2.0	-13.0	20.8	Vertical	PASS
1960.9922	-35.23	-34.17	1.1	-13.0	21.2	Vertical	NA





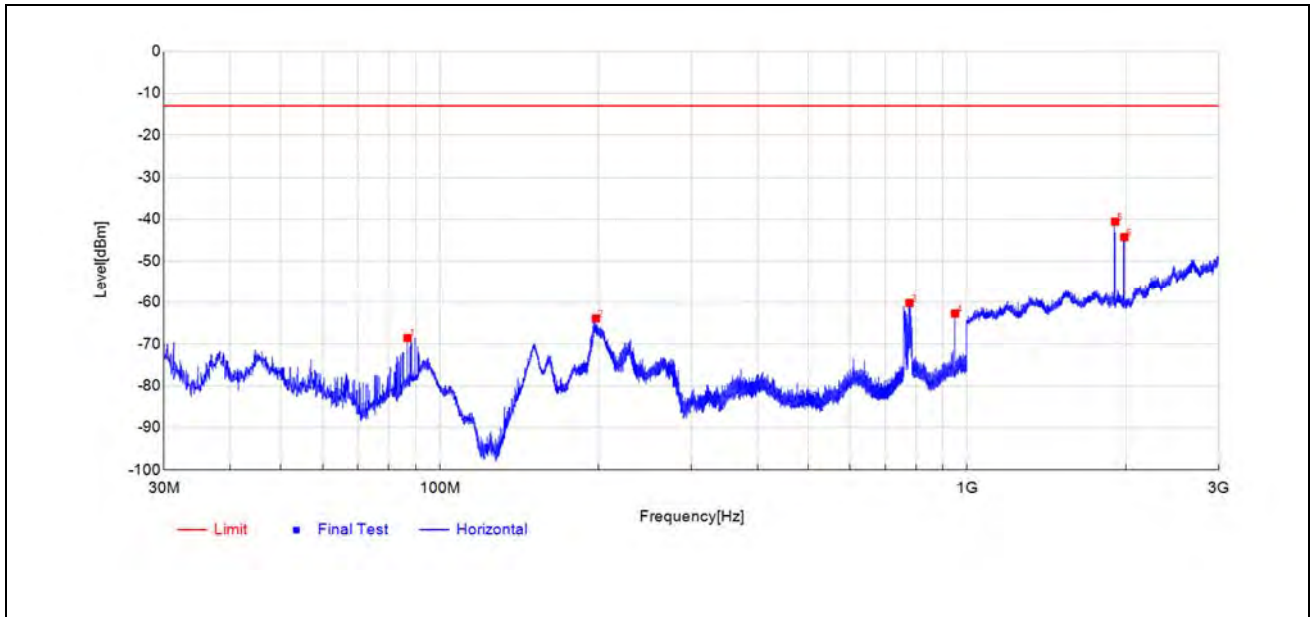
(Antenna Vertical, 1GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3761.5254	-40.66	-44.21	-3.6	-13.0	31.2	Vertical	PASS
5642.5881	-51.50	-49.40	2.1	-13.0	36.4	Vertical	PASS
7068.6356	-51.17	-45.29	5.9	-13.0	32.3	Vertical	PASS
7850.1617	-49.37	-43.11	6.3	-13.0	30.1	Vertical	PASS
12412.8138	-54.70	-40.62	14.1	-13.0	27.6	Vertical	PASS
16972.9658	-54.93	-33.41	21.5	-13.0	20.4	Vertical	PASS





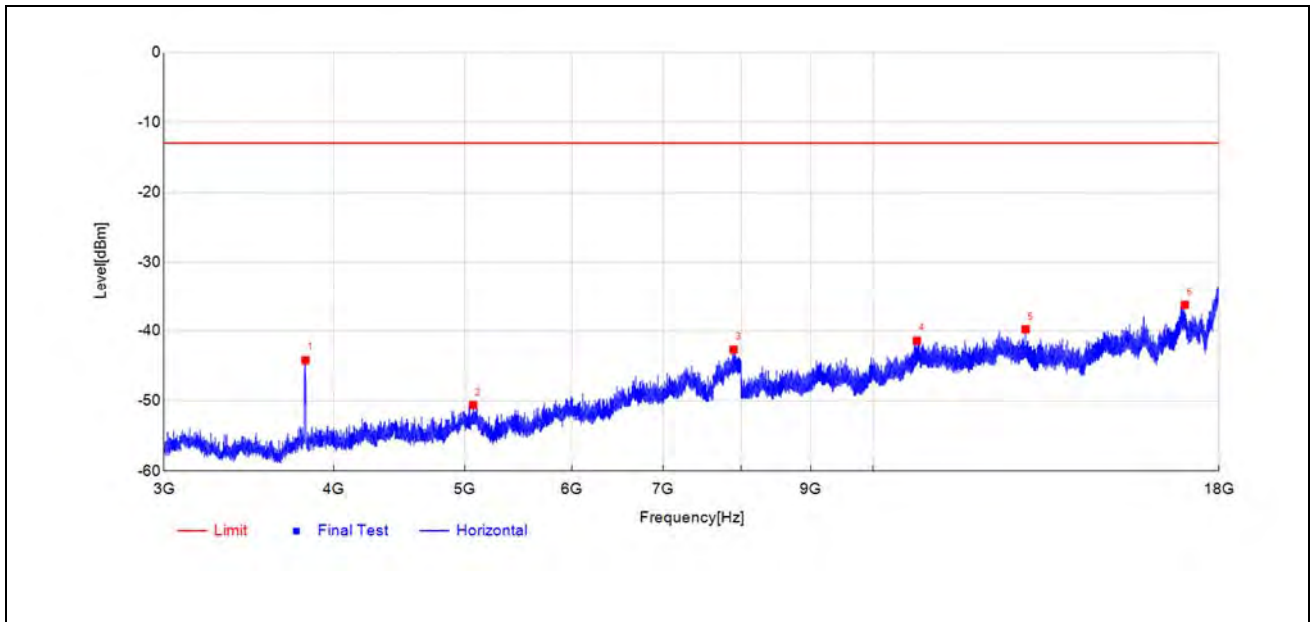
Plot for High Channel



(Antenna Horizontal, 30MHz to 1GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
86.7963	-46.52	-68.53	-22.0	-13.0	55.5	Horizontal	PASS
198.0124	-45.26	-63.98	-18.7	-13.0	51.0	Horizontal	PASS
778.1499	-55.14	-60.18	-5.0	-13.0	47.2	Horizontal	PASS
948.4419	-57.27	-62.85	-5.6	-13.0	49.9	Horizontal	PASS
1906.1812	-43.09	-40.61	2.5	-13.0	27.6	Horizontal	NA
1988.1976	-45.11	-44.28	0.8	-13.0	31.3	Horizontal	NA

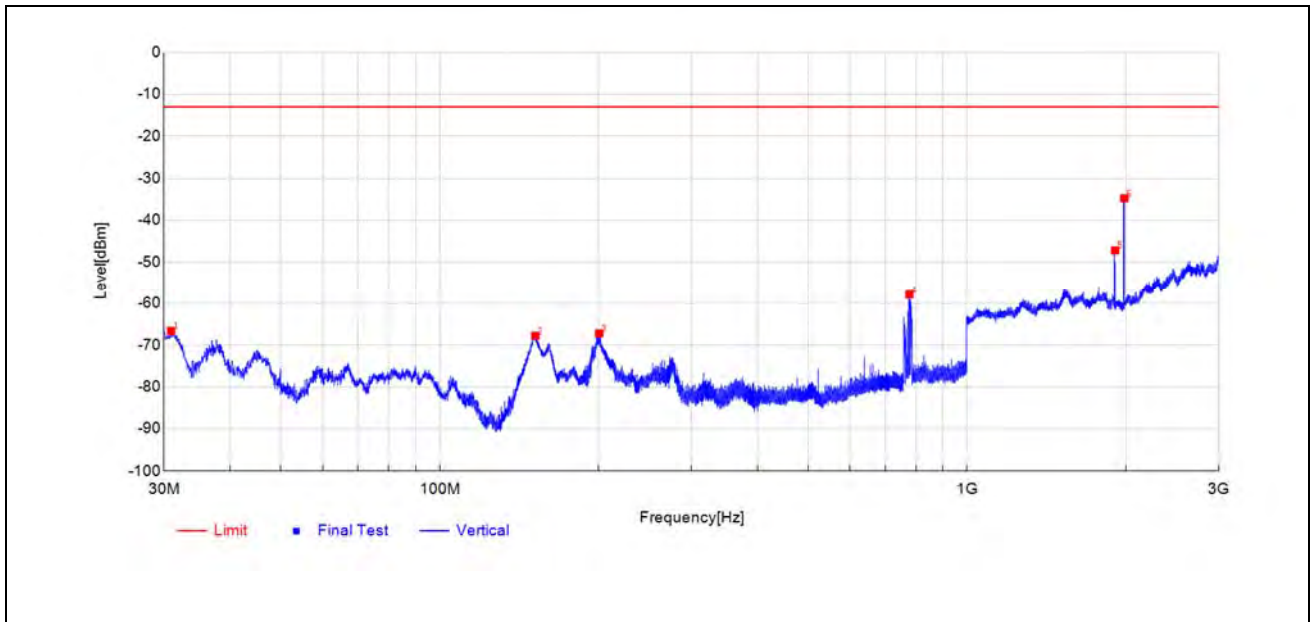




(Antenna Horizontal, 1GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3813.0271	-41.74	-44.16	-2.4	-13.0	31.2	Horizontal	PASS
5073.5691	-52.92	-50.62	2.3	-13.0	37.6	Horizontal	PASS
7890.663	-50.04	-42.67	7.4	-13.0	29.7	Horizontal	PASS
10778.2593	-53.45	-41.34	12.1	-13.0	28.3	Horizontal	PASS
12970.8324	-54.23	-39.76	14.5	-13.0	26.8	Horizontal	PASS
16983.9661	-54.97	-36.22	18.8	-13.0	23.2	Horizontal	PASS

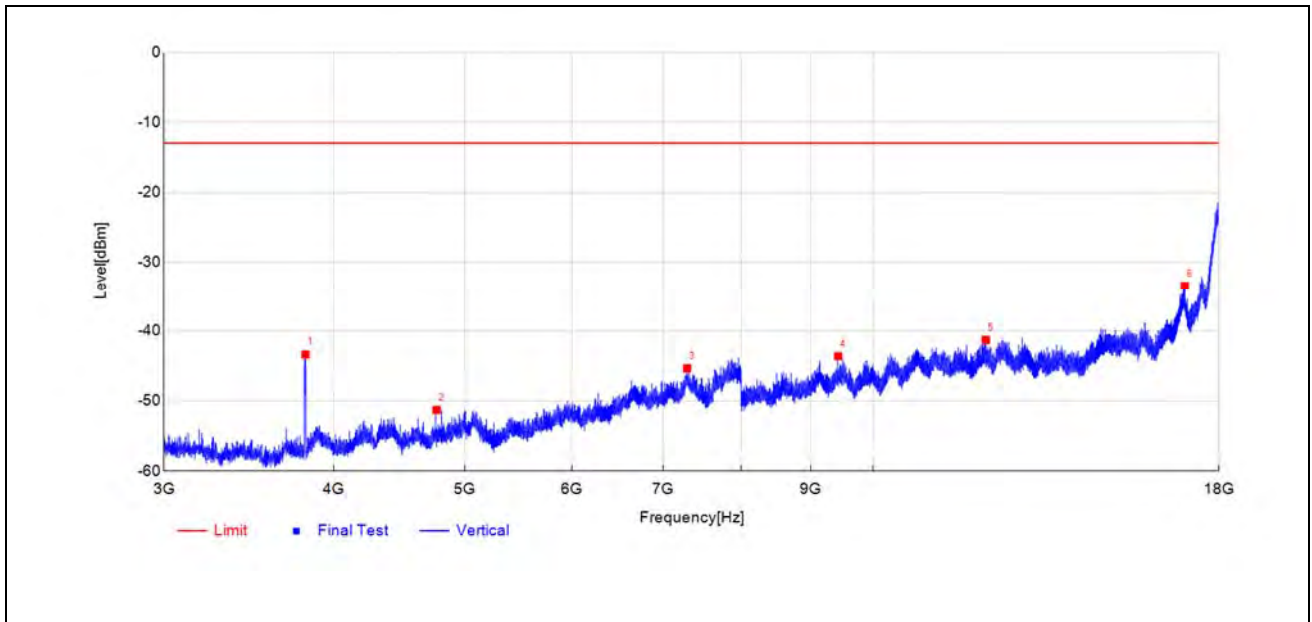




(Antenna Vertical, 30MHz to 1GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
30.9215	-46.08	-66.64	-20.6	-13.0	53.6	Vertical	PASS
151.5956	-48.07	-67.82	-19.8	-13.0	54.8	Vertical	PASS
200.4375	-47.77	-67.27	-19.5	-13.0	54.3	Vertical	PASS
777.9559	-50.82	-57.84	-7.0	-13.0	44.8	Vertical	PASS
1905.7812	-49.73	-47.12	2.6	-13.0	34.1	Vertical	NA
1987.3975	-35.51	-34.80	0.7	-13.0	21.8	Vertical	NA





(Antenna Vertical, 1GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3817.0272	-39.77	-43.37	-3.6	-13.0	30.4	Vertical	PASS
4764.0588	-51.06	-51.37	-0.3	-13.0	38.4	Vertical	PASS
7298.1433	-53.43	-45.39	8.0	-13.0	32.4	Vertical	PASS
9424.2141	-52.64	-43.66	9.0	-13.0	30.7	Vertical	PASS
12122.8041	-54.60	-41.33	13.3	-13.0	28.3	Vertical	PASS
16995.9665	-55.21	-33.51	21.7	-13.0	20.5	Vertical	PASS





Annex A Test Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for test performed on the EUT as specified in CISPR 16-1-2:

Test Items	Uncertainty
Output Power	$\pm 2.22\text{dB}$
Bandwidth	$\pm 5\%$
Conducted Spurious Emission	$\pm 2.77\text{dB}$
Radiated Emission	$\pm 2.95\text{dB}$

This uncertainty represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.





Annex B Testing Laboratory Information

1. Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

2. Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

3. Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at FL.3, Building A, FeiYang Science Park, Block 67, BaoAn District, Shenzhen, 518101 P. R. China. The test site is constructed in conformance with the requirements of ANSI C63.10-2020 and CISPR Publication 22; the FCC designation number is CN1192, the test firm registration number is 226174.





4. Test Equipment Utilized

4.1 Conducted Test Equipment

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
EXA Signal Analyzer	MY51511149	N9020A	Agilent	2025.05.15	2026.05.14
Communication Test Station	6200995016	MT8820C	Anritsu	2024.09.11	2025.09.10
				2025.09.02	2026.09.01
Temperature Chamber	S022177101 00089002	KMT-36LF 1A0	KOME G	2024.09.11	2025.09.10
				2025.09.03	2026.09.02

4.2 List of Software Used

Description	Manufacturer	Software Version
JS36-RSE	Tonscend	3.0.0.0



**4.3 Radiated Test Equipment**

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
System Simulator	152038	CMW500	R&S	2024.09.11	2025.09.10
				2025.09.03	2026.09.02
Receiver	MY56060145	N9020A	Agilent	2025.05.13	2026.05.12
Test Antenna - Bi-Log	9163-274	VULB 9163	Schwarzbeck	2025.06.28	2026.06.27
Test Antenna - Loop	00131	FMZB1519B	Schwarzbeck	2024.09.19	2025.09.18
Test Antenna – Horn	01774	BBHA 9120D	Schwarzbeck	2025.06.20	2026.06.19
Test Antenna – Horn	BBHA9170 #773	BBHA9170	Schwarzbeck	2025.06.20	2026.06.19
RF Coaxial Cable (DC-18GHz)	MRE001	PE330	Pasternack	2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE002	CLU18	Pasternack	2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE003	CLU18	Pasternack	2025.05.13	2026.05.12
RF Coaxial Cable (DC-40GHz)	22290045	QA360-40-K K-0.5	Qualwave	2024.09.11	2025.09.10
				2025.09.03	2026.09.02
RF Coaxial Cable (DC-40GHz)	22290046	QA360-40-K KF-2	Qualwave	2024.09.11	2025.09.10
				2025.09.03	2026.09.02
Preamplifier (10MHz-6GHz)	46732	S10M100L38 02	LUCIX CORP.	2025.05.13	2026.05.12
Preamplifier (2GHz-18GHz)	61171/61172	S020180L32 03	LUCIX CORP.	2025.05.13	2026.05.12
Preamplifier (18GHz-40GHz)	DS77209	DCLNA0118-40C-S	Decentest	2025.05.13	2026.05.12
Notch Filter	N/A	WRCG-GSM 850	Wainwright	N/A	N/A
Notch Filter	N/A	WRCG-GSM 1900	Wainwright	N/A	N/A
Notch Filter	N/A	WRCGV-W Band V	Wainwright	N/A	N/A
Notch Filter	N/A	WRCGV-W Band II	Wainwright	N/A	N/A
Notch Filter	N/A	WRCGV-W	Wainwright	N/A	N/A





REPORT No.: SZ25060347W06

		Band IV			
Anechoic Chamber	N/A	9m*6m*6m	CRT	2025.04.19	2028.04.18
Anechoic Chamber	N/A	9m*6m*6m	CRT	2022.11.30	2025.11.29

_____ END OF REPORT _____

