REPORT No.: SZ17020049W04

FCC RF TEST REPORT

APPLICANT	:	Hoperun mMax Digital Inc.
PRODUCT NAME	:	CDMA 3G Mobile Phone
MODEL NAME	:	H460
TRADE NAME	:	Jabrbox
BRAND NAME	:	Jabrbox
FCC ID	:	2AKQN-H460
STANDARD(S)	:	47 CFR Part 22 Subpart H 47 CFR Part 24 Subpart E 47 CFR Part 90 Subpart S
ISSUE DATE	:	2017-03-20

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DIRECTORY

Change History		
Issue	Date	Reason for change
1.0	2017-03-20	First edition

TEST REPORT DECLARATION

Applicant	Hoperun mMax Digital Inc.
Applicant Address	4790 Irvine Blvd., Ste. 105-431 Irvine, CA 92620
Manufacturer	Hoperun mMax Digital Inc.
Manufacturer Address	4790 Irvine Blvd., Ste. 105-431 Irvine, CA 92620
Product Name	CDMA 3G Mobile Phone
Model Name	H460
Brand Name	Jabrbox
HW Version	S408_MB_V3.0
SW Version	HMD-H460JB
Test Standards	47 CFR Part 22 Subpart H 47 CFR Part 24 Subpart E 47 CFR Part 90 Subpart S
Test Date	2017-02-24 to 2017-03-09
Test Result	PASS

Reviewed by : Qiu Xiaojun

Approved by : Peng Huarui

1. GENERAL INFORMATION

1.1 EUT Description

EUT Type ..... : CDMA 3G Mobile Phone
Model Name..... : H460
Serial No. ..... : (n.a, marked #1 by test site)
Hardware Version ..... : S408_MB_V3.0
Software Version..... : HMD-H460JB
Applicant ..... : Hoperun mMax Digital Inc.
4790 Irvine Blvd., Ste. 105-431 Irvine, CA 92620
Manufacturer..... : Hoperun mMax Digital Inc.
4790 Irvine Blvd., Ste. 105-431 Irvine, CA 92620
Frequency Range ..... : CDMA 800MHz: (BC 0)
Tx: 824.7 – 848.31 MHz;
Rx: 869.7-- 893.31MHz
CDMA 1900MHz: (BC 1)
Tx: 1851.25 MHz -1908.75 MHz;
Rx: 1931.25 MHz-1988.75 MHz
CDMA 800MHz: (BC 10)
Tx: 817.25-822.75MHz;
Rx: 862.25-867.75MHz
Modulation Type..... : CDMA 1X; EVDO 0; EVDO A, EVDO B
Emission Designators ..... : BC0:1M28F9W
BC1: 1M28F9W
BC10: 1M28F9W

Note 1: The EUT support CDMA BC0/BC1/BC10 three bands. The lowest, middle, highest channels of every band were tested in this report. The following table shows the test channel and the frequency.

Band Class	Lowest		Middle		Highest	
	Channel Number	Frequency	Channel Number	Frequency	Channel Number	Frequency
BC0	1013	824.7	384	836.52	777	848.31
BC1	25	1851.25	600	1880	1175	1908.75
BC10(Subclass2&3)	450	817.25	560	820.00	670	822.75

Note 2: For more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

1.2 Test Standards and Results

The objective of the report is to perform testing according to:

No.	Identity (FCC)	Document Title
1	47 CFR Part 2 (10-1-09 Edition)	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	47 CFR Part 22 (10-1-09 Edition)	Public Mobile Services
3	47 CFR Part 24 (10-1-13 Edition)	Personal Communications Services
4	47 CFR Part 90 (10-1-13 Edition)	PRIVATE LAND MOBILE RADIO SERVICES

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

No.	Section	Description	Result
1	2.1046	Conducted RF Output Power	PASS
2.	24.232(d);	Peak to average radio	PASS
3	2.1049;22.917;24.238; 90.209	99% Occupied Bandwidth	PASS
4	90.691	Emissions Mask	PASS
5	2.1055;22.355;24.235;90.213	Frequency Stability	PASS
6	2.1051;2.1057 22.917;24.238;90.691	Conducted Out of Band Emissions	PASS
7	2.1051;2.1057 22.917;24.238;90.691	Band Edge	PASS
8	2.1046;22.913;24.232;90.635	Transmitter Radiated Power (EIPR/ERP)	PASS
9	2.1053,2.1057 22.917,24.238;90.691	Radiated Out of Band Emissions	PASS

NOTE: Measurement method according to ANSI/TIA-603-D 2010.

1.3 Facilities and Accreditations

1.3.1 Facilities

All measurement facilities used to collect the measurement data are located at FL.1, 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 C63.10-2013 and CISPR Publication 22; the FCC registration number is 695796.

1.3.2 Test Environment 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

2.47 CFR PART2, PART 22H, PART24E, PART90S, REQUIREMENTS

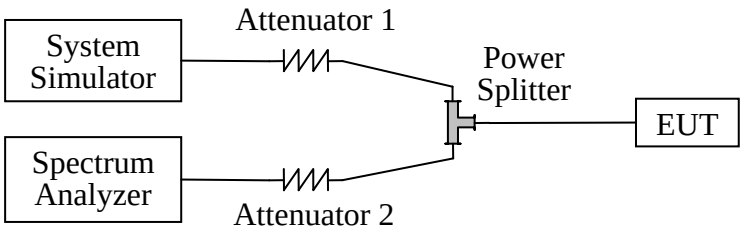
2.1 Conducted RF Output Power

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.

2.1.2 Test Description

Test Setup:



The EUT, which is powered by the Battery, is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 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. A call is established between the EUT and the SS.

Equipments List:

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
EXA signal analyzer	Agilent	N9010A	MY53470836	2016.12.07	2017.12.06
Wireless Communication Test Set	Agilent	8960-E5515C	MY48364176	2016.06.02	2017.06.01
Attenuator 1	Resnet	20dB	(n.a.)	2016.06.02	2017.06.01
Attenuator 2	Resnet	3dB	(n.a.)	2016.06.02	2017.06.01
Power Splitter	Weinschel	1506A	NW521	2016.06.02	2017.06.01

2.1.3 Test Result

Here the lowest, middle and highest channels are selected to perform testing to verify the conducted RF output power of the EUT. For the CDMA 800MHz(BC0) operates at maximum output Power, the rated conducted RF output power is 38.5dBm, and For the CDMA1900MHz(BC1) operates at maximum output Power, the rated conducted RF output power is 33dBm. For the CDMA 800MHz(BC10) operates at maximum output Power, the rated conducted RF output power is 50dBm.

Test Verdict:

Band	Channel Number	Frequency (MHz)	Measured Power		Refer Plot	Limits	
			dBm	W		dBm	W
CDMA（BC0）	1013	824.7	28.119	0.648	Plot1	38.5	7
	384	836.52	28.965	0.788	Plot2		
	777	848.31	28.047	0.638	Plot3		
EVDO 0（BC0）	1013	824.7	28.302	0.676	Plot4	38.5	7
	384	836.52	29.087	0.810	Plot5		
	777	848.31	28.361	0.686	Plot6		
EVDO A（BC0）	1013	824.7	27.921	0.620	Plot7	38.5	7
	384	836.52	28.899	0.776	Plot8		
	777	848.31	27.888	0.615	Plot9		
EVDO B（BC0）	1013	824.7	27.889	0.615	Plot10	38.5	7
	384	836.52	28.840	0.766	Plot11		
	777	848.31	27.869	0.612	Plot12		
CDMA（BC1）	25	1851.25	26.974	0.498	Plot13	33	2
	600	1880.00	27.522	0.565	Plot14		
	1175	1908.75	27.286	0.535	Plot15		
EVDO 0（BC1）	25	1851.25	27.245	0.530	Plot16	33	2
	600	1880.00	27.672	0.585	Plot17		
	1175	1908.75	27.466	0.558	Plot18		
EVDO A（BC1）	25	1851.25	26.852	0.484	Plot19	33	2
	600	1880.00	27.318	0.539	Plot20		
	1175	1908.75	27.136	0.517	Plot21		
EVDO B（BC1）	25	1851.25	26.958	0.496	Plot22	33	2
	600	1880.00	27.371	0.546	Plot23		
	1175	1908.75	27.034	0.505	Plot24		

Band	Channel Number	Frequency (MHz)	Measured Power		Refer Plot	Limits	
			dBm	W		dBm	W
CDMA（BC10）	450	817.25	28.838	0.765	Plot25	50	100
	560	820.00	28.518	0.711	Plot26		
	670	822.75	28.223	0.664	Plot27		
EVDO 0（BC10）	450	817.25	28.698	0.741	Plot28	50	100
	560	820.00	28.236	0.666	Plot29		
	670	822.75	27.998	0.631	Plot30		
EVDO A（BC10）	450	817.25	28.813	0.761	Plot31	50	100
	560	820.00	28.356	0.685	Plot32		
	670	822.75	28.215	0.663	Plot33		
EVDO B（BC10）	450	817.25	28.876	0.772	Plot34	50	100
	560	820.00	28.382	0.689	Plot35		
	670	822.75	28.089	0.644	Plot36		

Test Plots:

(Plot 1: CDMA BC0 Channel = 1013)

(Plot 2: CDMA BC0 Channel = 384)

(Plot 3: CDMA BC0 Channel = 777)

(Plot 4: EVDO 0 BC0 Channel = 1013)

(Plot 5: EVDO 0 BC0 Channel = 384)

(Plot 6: EVDO 0 BC0 Channel = 777)

(Plot 7: EVDO A BC0 Channel = 1013)

(Plot 8: EVDO A BC0 Channel = 384)

(Plot 9: EVDO A BC0 Channel = 777)

(Plot 10: EVDO B BC0 Channel = 1013)

(Plot 11: EVDO B BC0 Channel = 384)

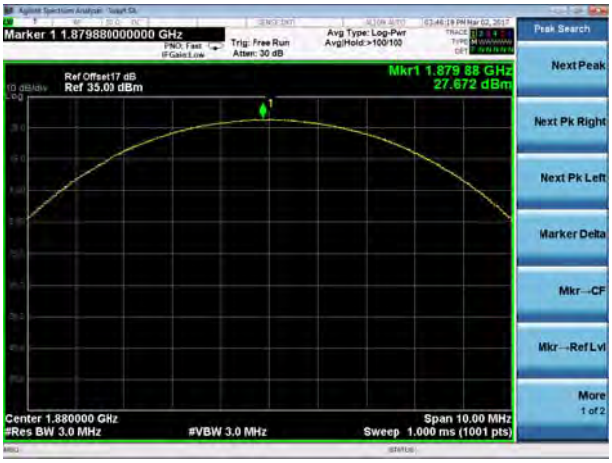
(Plot 12: EVDO B BC0 Channel = 777)

(Plot 13: CDMA BC1 Channel = 25)

(Plot 14: CDMA BC1 Channel = 600)

(Plot 15: CDMA BC1 Channel = 1175)

(Plot 16: EVDO 0 BC1 Channel = 25)



(Plot 17: EVDO 0 BC1 Channel = 600)

(Plot 18: EVDO 0 BC1 Channel = 1175)

(Plot 19: EVDO A BC1 Channel = 25)

(Plot 20: EVDO A BC1 Channel = 600)

(Plot 21: EVDO A BC1 Channel = 1175)

(Plot 22: EVDO B BC1 Channel = 25)

(Plot 23: EVDO B BC1 Channel = 600)

(Plot 24: EVDO B BC1 Channel = 1175)

(Plot 25: CDMA BC10 Channel = 450)

(Plot 26: CDMA BC10 Channel = 560)

(Plot 27: CDMA BC10 Channel =670)

(Plot 28: EVDO 0 BC10 Channel =450)

(Plot 29: EVDO 0 BC10 Channel = 560)

(Plot 30: EVDO 0 BC10 Channel = 670)

(Plot 31: EVDO A BC10 Channel = 450)

(Plot 32: EVDO A BC10 Channel = 560)

(Plot 33: EVDO A BC10 Channel =670)

(Plot 34: EVDO B BC10 Channel = 450)

(Plot 35: EVDO B BC10 Channel = 560)

(Plot 36: EVDO B BC10 Channel = 670)

2.2 Peak to Average Radio

2.2.1 Definition

According to FCC section 2.1049 and FCC 24.232(d) the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

2.2.2 Test Description

See section 2.1.2 of this report.

2.2.3 Test Verdict

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

Test procedures:

A .For GSM/EGPRS operating mode:

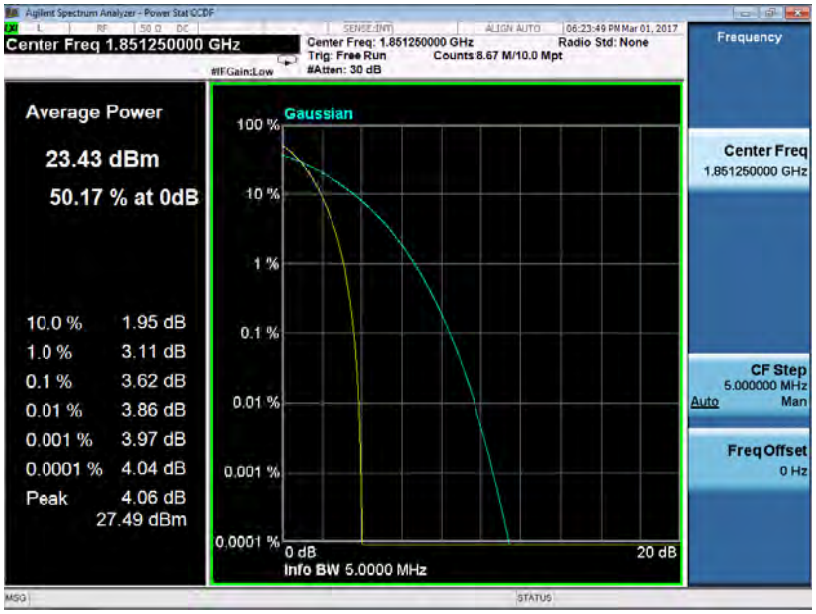
a. Set RBW=1MHz, VBW=1MHz, peak detector in spectrum analyzer.
b. Set EUT in maximum output power, and triggered the bust signal.
c. Measured respectively the peak level and mean level, and the deviation was recorded as Peak to Average radio.

B. For UMTS operating mode:

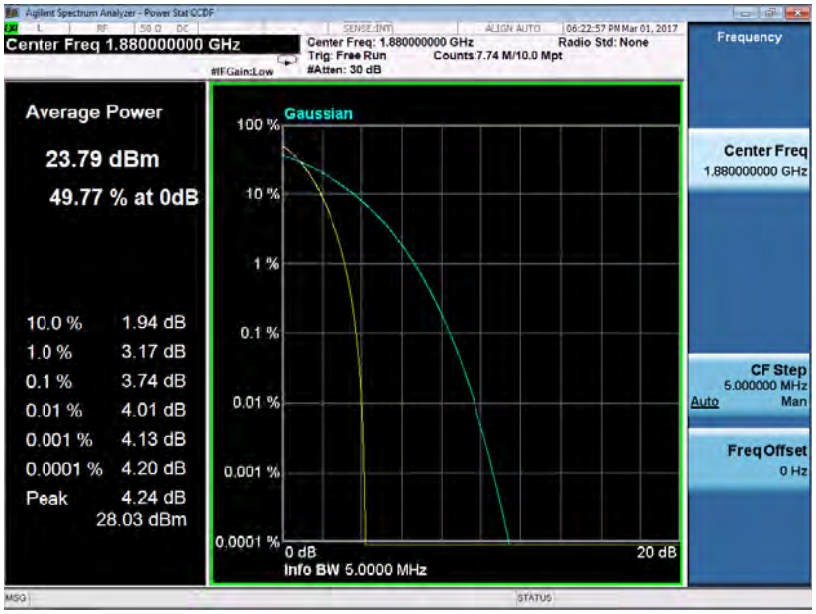
a. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
b. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1%.

Test Verdict:

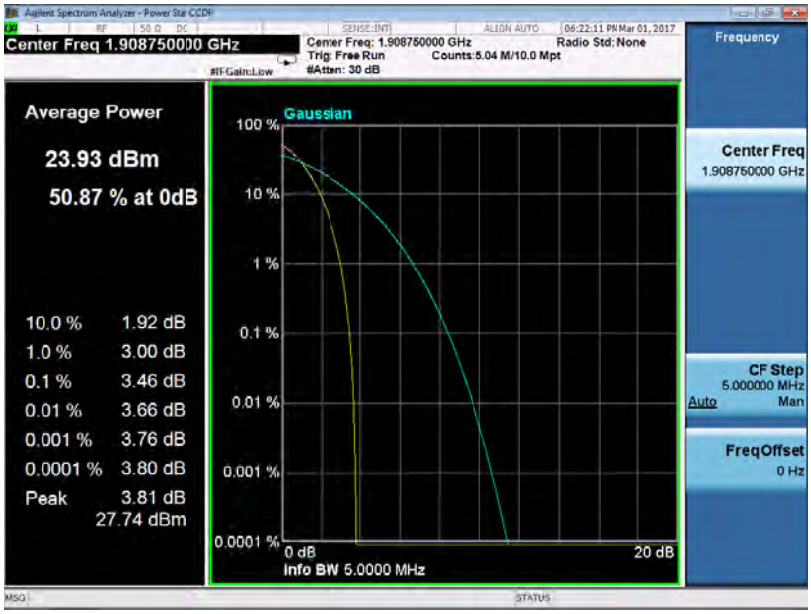
Band	Channel	Frequency (MHz)	Peak to Average radio		Limit	Verdict
			dBm	Refer to Plot	dB	
CDMA (BC1)	25	1851.25	3.62	Plot A1 to A3	13	PASS
	600	1880.0	3.74			PASS
	1175	1908.75	3.46			PASS
EVDO 0 (BC1)	25	1851.25	3.59	Plot A4 to A6	13	PASS
	600	1880.0	3.70			PASS
	1175	1908.75	3.38			PASS
EVDO A (BC1)	25	1851.25	3.55	Plot A7 to A9	13	PASS
	600	1880.0	3.71			PASS
	1175	1908.75	3.47			PASS
EVDO B (BC1)	25	1851.25	3.64	Plot A10 to A12	13	PASS
	600	1880.0	3.77			PASS
	1175	1908.75	3.46			PASS



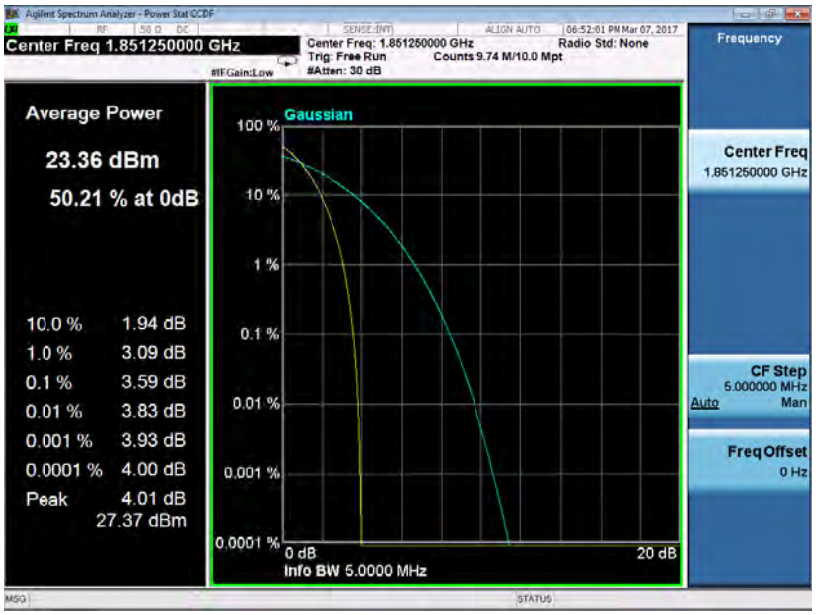
(Plot A1:CDMA BC1: Channel =25)



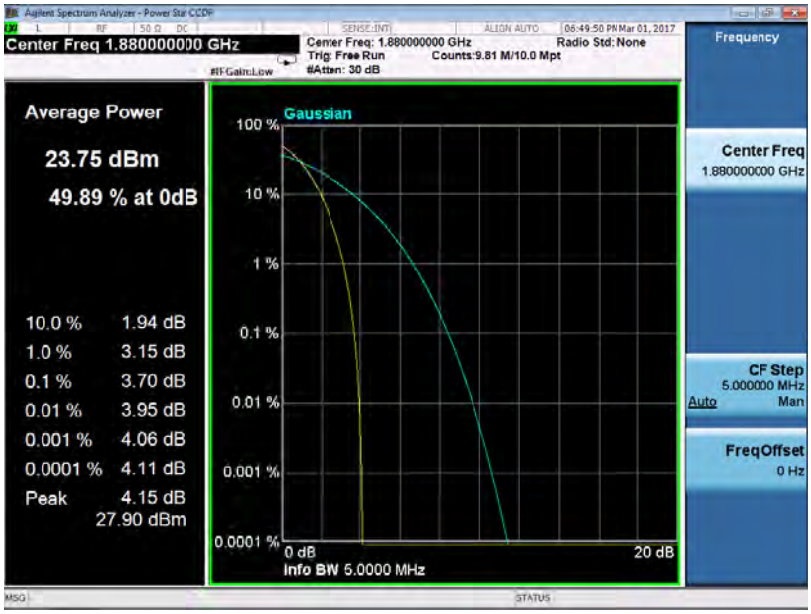
(Plot A2:CDMA BC1: Channel =600)



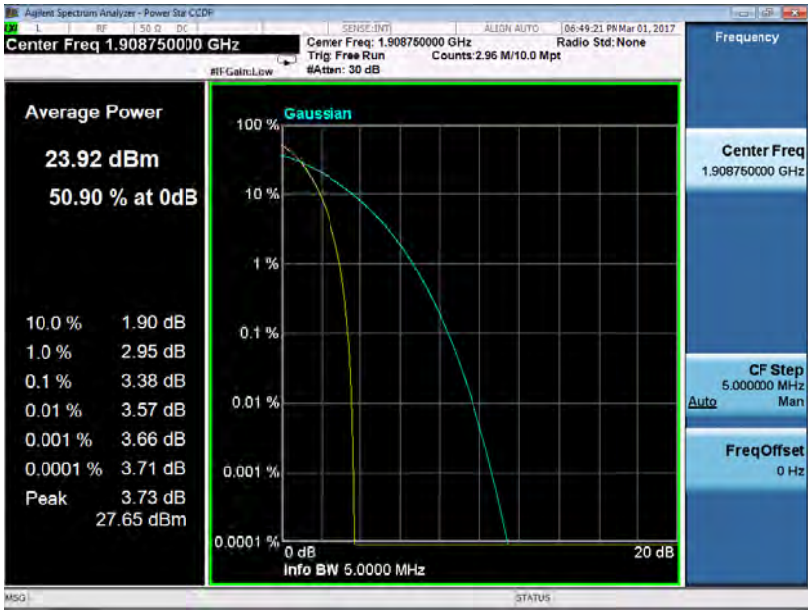
(Plot A3:CDMA BC1: Channel =1175)



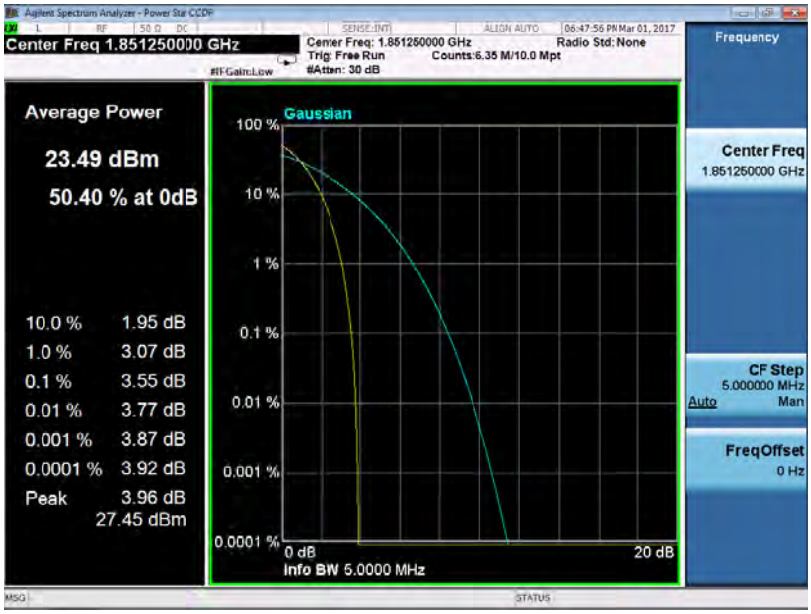
(Plot A4:EVDO 0 BC1: Channel =25)



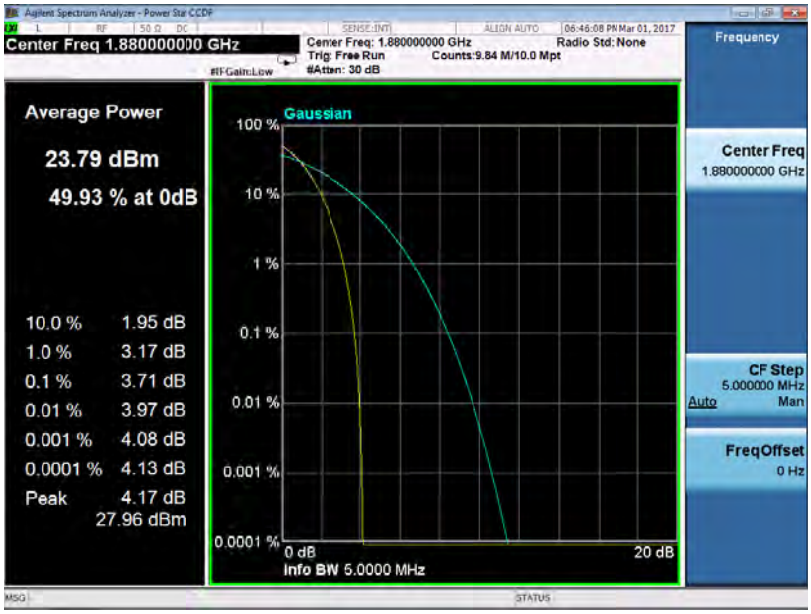
(Plot A5:EVDO 0 BC1:Channel =600)



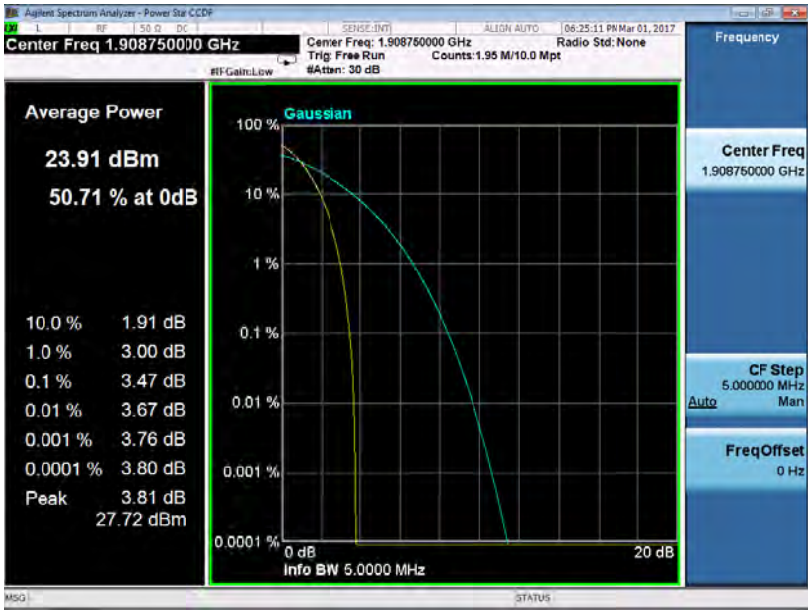
(Plot A6:EVDO 0 BC1: Channel =1175)



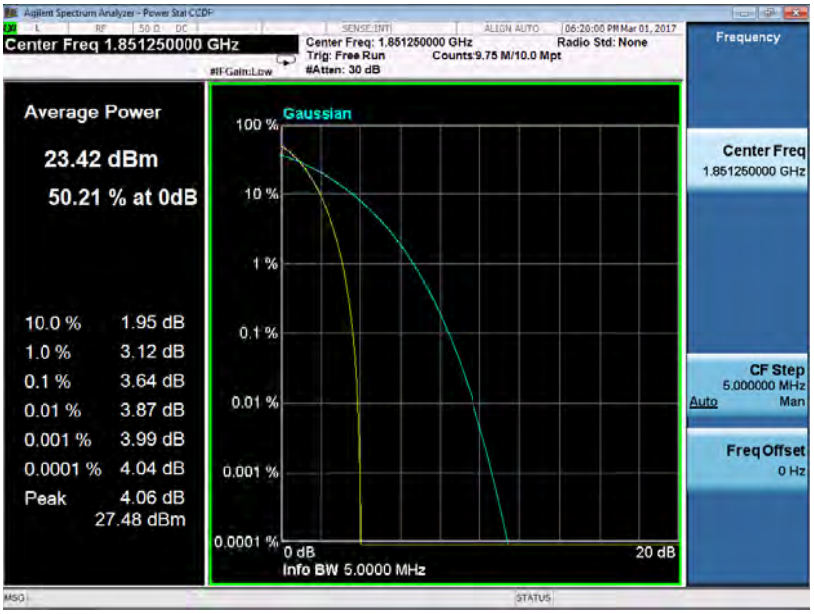
(Plot A7:EVDO A BC1: Channel =25)



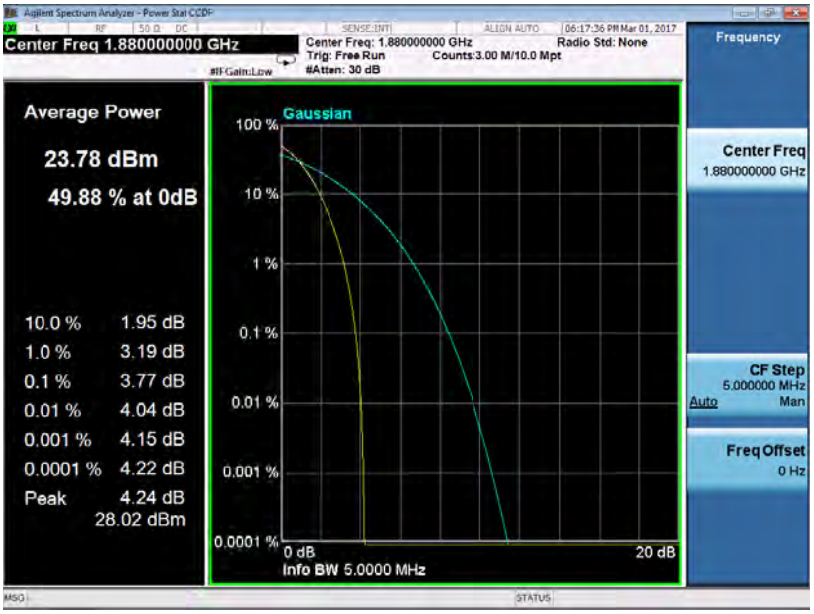
(Plot A8:EVDO A BC1:Channel =600)



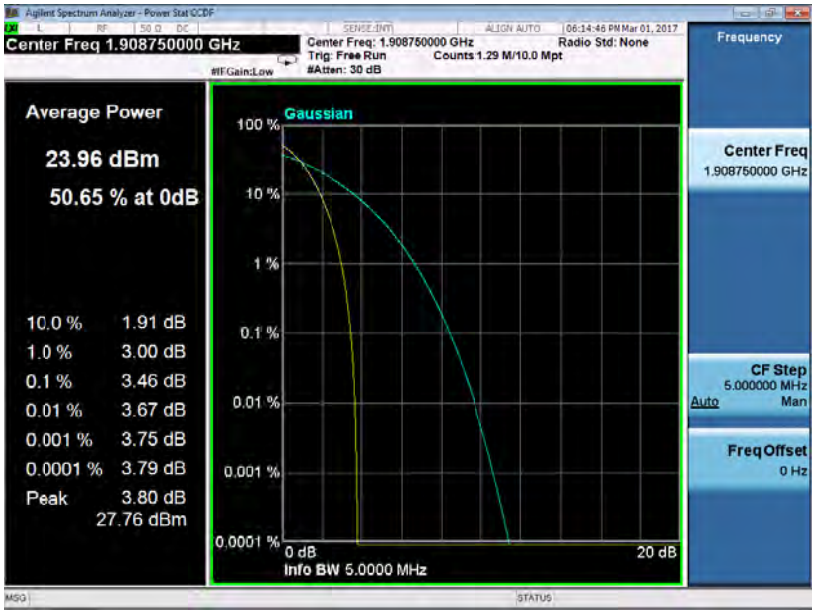
(Plot A9:EVDO A BC1: Channel =1175)



(Plot A10: EVDO B BC1: Channel =25)



(Plot A11: EVDO B BC1: Channel =600)



(Plot A12: EVDO A BC1: Channel =1175)

2.3 99% Occupied Bandwidth

2.3.1 Definition

According to FCC section 2.1049, 22.917;24.238 and 90.209the 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

See section 2.1.2 of this report.

2.3.3 Test Verdict

Here the lowest, middle and highest channels are tested to record the 99% occupied bandwidth.

Test Verdict:

Band	Channel Number	Frequency (MHz)	Measured 99% Occupied Bandwidth (MHz)	Refer Plot
CDMA（BC0）	1013	824.7	1.2728	Plot1
	384	836.52	1.2717	Plot2
	777	848.31	1.2713	Plot3
EVDO 0（BC0）	1013	824.7	1.2712	Plot4
	384	836.52	1.2710	Plot5
	777	848.31	1.2733	Plot6
EVDO A（BC0）	1013	824.7	1.2738	Plot7
	384	836.52	1.2696	Plot8
	777	848.31	1.2725	Plot9
EVDO B（BC0）	1013	824.7	1.2769	Plot10
	384	836.52	1.2717	Plot11
	777	848.31	1.2772	Plot12
CDMA（BC1）	25	1851.25	1.2722	Plot13
	600	1880.00	1.2729	Plot14
	1175	1908.75	1.2795	Plot15
EVDO 0（BC1）	25	1851.25	1.2744	Plot16
	600	1880.00	1.2758	Plot17
	1175	1908.75	1.2770	Plot18
EVDO A（BC1）	25	1851.25	1.2777	Plot19
	600	1880.00	1.2752	Plot20
	1175	1908.75	1.2793	Plot21
EVDO B（BC1）	25	1851.25	1.2748	Plot22
	600	1880.00	1.2758	Plot23
	1175	1908.75	1.2768	Plot24

Band	Channel Number	Frequency (MHz)	Measured 99% Occupied Bandwidth (MHz)	Refer Plot
CDMA （BC10）	450	817.25	1.2685	Plot25
	560	820.00	1.2720	Plot26
	670	822.75	1.2773	Plot27
EVDO 0 （BC10）	450	817.25	1.2738	Plot28
	560	820.00	1.2696	Plot29
	670	822.75	1.2737	Plot30
EVDO A （BC10）	450	817.25	1.2684	Plot31
	560	820.00	1.2720	Plot32
	670	822.75	1.2718	Plot33
EVDO B （BC10）	450	817.25	1.2746	Plot34
	560	820.00	1.2704	Plot35
	670	822.75	1.2748	Plot36

Test Plots:

(Plot 1: CDMA BC0 Channel = 1013)

(Plot 2: CDMA BC0 Channel = 384)

(Plot 3: CDMA BC0 Channel = 777)

(Plot 4: EVDO 0 BC0 Channel = 1013)

(Plot 5: EVDO 0 BC0 Channel = 384)

(Plot 6: EVDO 0 BC0 Channel = 777)

(Plot 7: EVDO A BC0 Channel = 1013)

(Plot 8: EVDO A BC0 Channel = 384)

(Plot 9: EVDO A BC0 Channel = 777)

(Plot 10: EVDO B BC0 Channel = 1013)

(Plot 11: EVDO B BC0 Channel = 384)

(Plot 12: EVDO B BC0 Channel = 777)

(Plot 13: CDMA BC1 Channel = 25)

(Plot 14: CDMA BC1 Channel = 600)

(Plot 15:CDMA BC1 Channel = 1175)

(Plot 16: EVDO 0 BC1 Channel = 25)

(Plot 17: EVDO 0 BC1 Channel = 600)

(Plot18: EVDO 0 BC1 Channel = 1175)

(Plot 19: EVDO A BC1 Channel = 25)

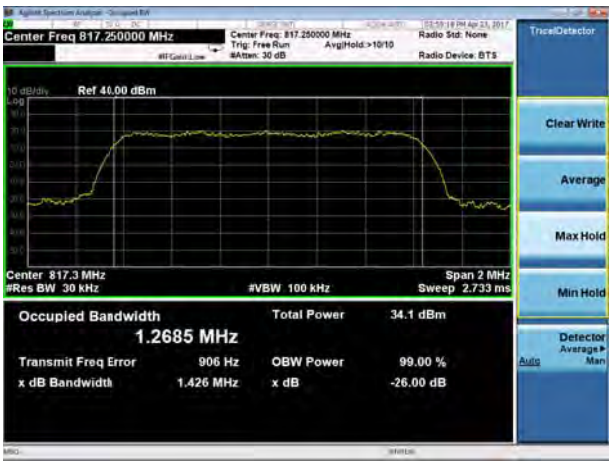
(Plot 20: EVDO A BC1 Channel = 600)

(Plot 21: EVDO A BC1 Channel = 1175)

(Plot 22: EVDO B BC1 Channel = 25)

(Plot 23: EVDO B BC1 Channel = 600)

(Plot24: EVDO B BC1 Channel = 1175)



(Plot 25: CDMA BC10 Channel =450)

(Plot 26: CDMA BC10 Channel = 560)

(Plot 27: CDMA BC10 Channel =670)

(Plot 28: EVDO 0 BC10 Channel = 450)

(Plot 29: EVDO 0 BC10 Channel 560)

(Plot 30: EVDO 0 BC10 Channel = 670)

(Plot 31: EVDO A BC10 Channel = 450)

(Plot 32: EVDO A BC10 Channel = 560)

(Plot 33: EVDO A BC10 Channel =670)

(Plot 34: EVDO B BC10 Channel =450)

(Plot 35: EVDO B BC10 Channel = 560)

(Plot 36: EVDO B BC10 Channel = 670)

2.4 Emissions Mask Measurement

2.4.1 Description of Emissions Mask Measurement

According to FCC section 90 the Equipment used in this licensed to EA or non-EA systems shall comply with the emission mask provisions of FCC
Part 90.691.(a)(1)

(a). Out-of-band emission requirement shall apply only to the "outer" channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 116 Log10(f/6.1) decibels or 50 + 10 Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

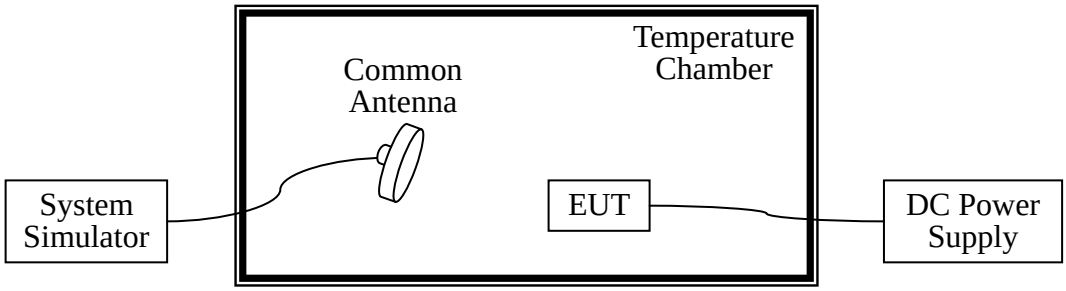
2.4.2 Measuring Instruments

See list of measuring instruments of this test report.

2.4.3 Test Procedures

1. The EUT was connected to spectrum analyzer and base station via power divider.
2. The emissions mask of low and high channels for the highest RF powers were measured.
3. The RBW was set 30 kHz, higher than 1% of bandwidth 1.27MHz, and VBW was set 3 times of RBW.
4. The final test results were shown below plots with a correction offset factor including cable loss, insertion loss of power divider.
5. The 1% of bandwidth 1.256MHz approximately was 13kHz. The test results need to follow belowequation.Test Result(dBm) = PwrAbs(dBm) + 10*LOG(13kHz/30KHz)(dB) (~ -3.63dB)

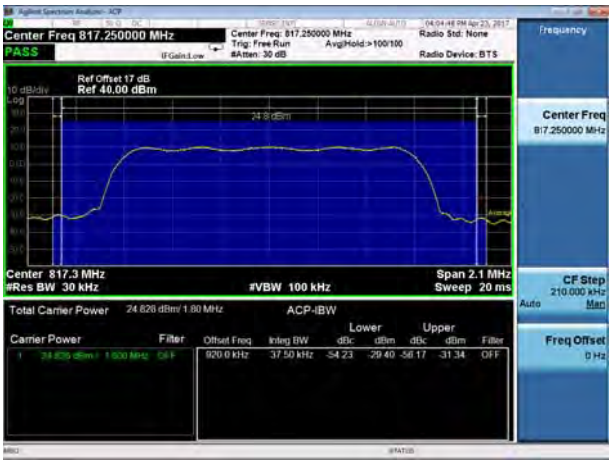
2.4.4 Test Setup



2.4.5 Test Result (Plots) of Conducted Emissions Mask (BC10)

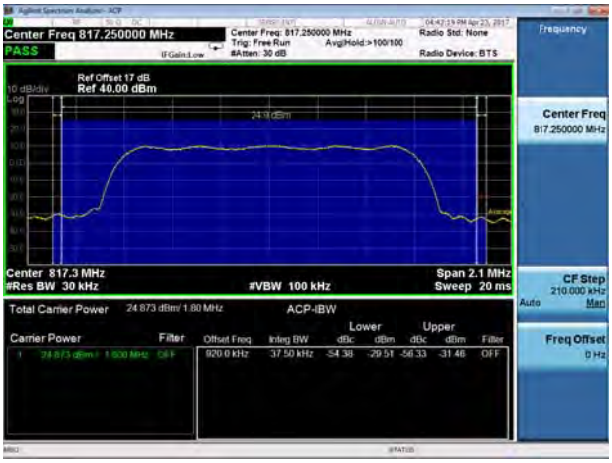
Band	Lowest Channel	Highest Channel	Refer Plot	verdict
CDMA BC10	450	670	Plot1/2	Pass
EVDO 0 BC10	450	670	Plot3/4	Pass
EVDO A BC10	450	670	Plot5/6	Pass
EVDO B BC10	450	670	Plot7/8	Pass

Test Plots:



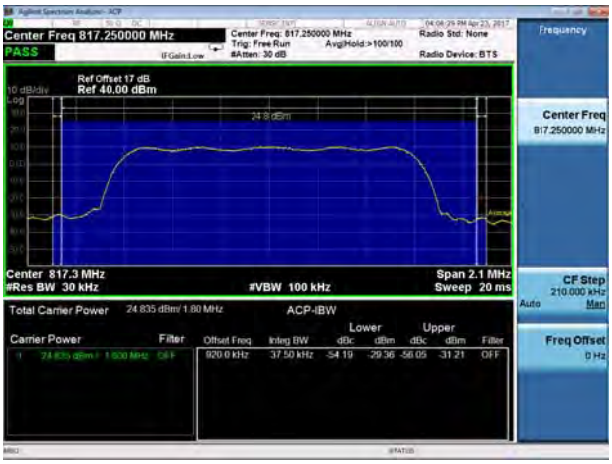
(Plot1: CDMA BC10 Channel 450)

(Plot1: CDMA BC10 Channel 670)



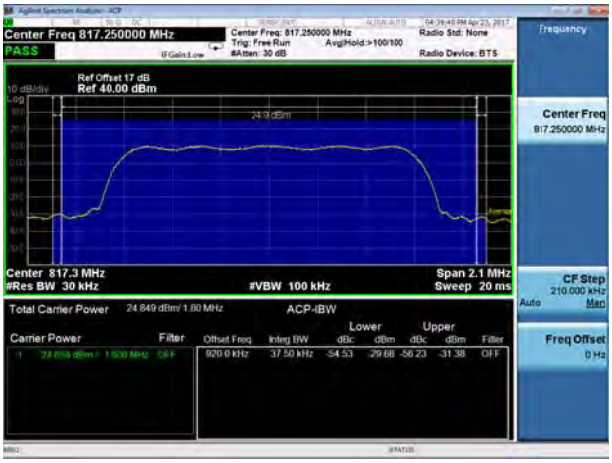
(Plot3: EVDO 0 BC10 Channel 450)

(Plot4: EVDO 0 BC10 Channel 670)



(Plot5: EVDO A BC10 Channel 450)

(Plot6: EVDO A BC10 Channel 670)



(Plot7: EVDO B BC10 Channel 450)

(Plot8: EVDO B BC10 Channel 670)

2.5 Frequency Stability

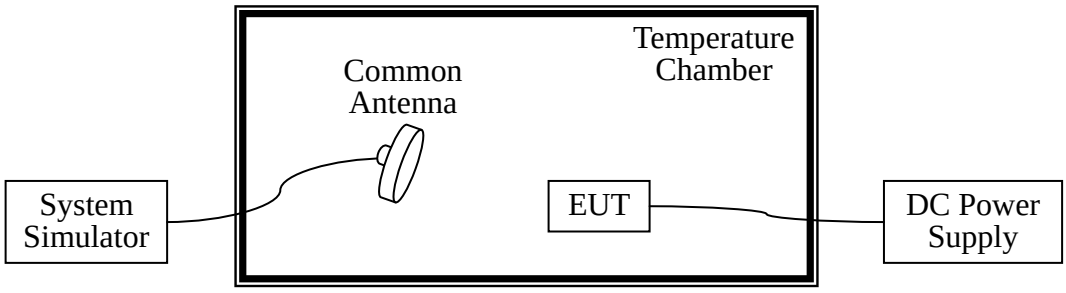
2.5.1 Requirement

According to FCC section 2.1055 , 22.355 ;24.235 and 90.213 ,the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. the test conditions are:

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

2.5.2 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. A call is established between the EUT and the SS via a Common Antenna.

Equipments List:

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
System Simulator	Agilent	E5515C	GB43130131	2016.06.02	2017.06.01
DC Power Supply	Good Will	GPS-3030DD	EF920938	2016.06.02	2017.06.01
Temperature Chamber	ESPEC	QW1070P6W 15	(N/A.)	2016.06.02	2017.06.01

2.5.3 Test Verdict

The nominal, highest and lowest extreme voltages are separately 3.4VDC, 3.7VDC and 4.5VDC, which are specified by the applicant; the normal temperature here used is 25°C. The frequency deviation limit of BC0 /BC10 band is ±2.5ppm, and BC1is ±1ppm

Band	Test Conditions		Frequency Deviation						Verdict
	Power (VDC)	Temperature (°C)	Channel = 1013 (824.7MHz)		Channel = 384 (836.52MHz)		Channel =777 (848.31MHz)		
			Hz	Limits	Hz	Limits	Hz	Limits	
CDMA (BC0)	3.7	-30	12	±2061.75	9	±2091.30	15	±2120.78	PASS
		-20	2		3		4		
		-10	-9		-2		-5		
		0	-10		-18		-13		
		+10	-12		-2		-11		
		+20	11		11		7		
		+30	-10		-8		-9		
		+40	-10		-6		-10		
		+50	10		13		7		
	4.5	+25	10		13		10		
	3.4	+25	-14		-13		-15		

Band	Test Conditions		Frequency Deviation						Verdict
	Power (VDC)	Temperature (°C)	Channel = 1013 (824.7MHz)		Channel = 384 (836.52MHz)		Channel =777 (848.31MHz)		
			Hz	Limits	Hz	Limits	Hz	Limits	
EVDO 0 (BC0)	3.7	-30	4	±2061.75	-4	±2091.30	-12	±2120.78	PASS
		-20	1		-3		8		
		-10	-6		8		-3		
		0	7		-6		15		
		+10	-7		13		-4		
		+20	0		-7		8		
		+30	-15		-22		12		
		+40	-7		-8		10		
		+50	-6		13		-8		
	4.5	+25	5		-5		-9		
	3.4	+25	-9		-8		17		

Band	Test Conditions		Frequency Deviation						Verdict
	Power (VDC)	Temperature (°C)	Channel = 1013 (824.7MHz)		Channel = 384 (836.52MHz)		Channel =777 (848.31MHz)		
			Hz	Limits	Hz	Limits	Hz	Limits	
EVDO A (BC0)	3.7	-30	9	±2061.75	7	±2091.30	13	±2120.78	PASS
		-20	-1		7		-9		
		-10	-12		-9		7		
		0	-13		10		5		
		+10	-10		13		-12		
		+20	15		-9		-7		
		+30	-14		-11		12		
		+40	-13		3		17		
		+50	11		5		20		
	4.5	+25	8		10		-12		
	3.4	+25	-17		-5		11		

Band	Test Conditions		Frequency Deviation						Verdict
	Power (VDC)	Temperature (°C)	Channel = 1013 (824.7MHz)		Channel = 384 (836.52MHz)		Channel =777 (848.31MHz)		
			Hz	Limits	Hz	Limits	Hz	Limits	
EVDO B (BC0)	3.7	-30	11	±2061.75	9	±2091.30	11	±2120.78	PASS
		-20	1		9		-11		
		-10	-10		-7		5		
		0	-11		12		3		
		+10	-8		15		-14		
		+20	17		-7		-9		
		+30	-12		-9		10		
		+40	-11		5		15		
		+50	13		7		18		
	4.5	+25	10		12		-14		
	3.4	+25	-15		-3		9		

Band	Test Conditions		Frequency Deviation						Verdict
	Power (VDC)	Temperature (°C)	Channel = 25 (1851.25MHz)		Channel = 600 (1880MHz)		Channel =1175 (1908.75MHz)		
			Hz	Limits	Hz	Limits	Hz	Limits	
CDMA (BC1)	3.7	-30	12	±1851.25	16	±1880.0	10	±1908.75	PASS
		-20	-14		-8		-13		
		-10	5		15		7		
		0	6		12		8		
		+10	-12		-7		-10		
		+20	-14		-9		-11		
		+30	3		20		11		
		+40	9		11		8		
		+50	4		15		15		
	4.5	+25	5		10		7		
	3.4	+25	-10		-11		-6		

Band	Test Conditions		Frequency Deviation						Verdict
	Power (VDC)	Temperature (°C)	Channel = 25 (1851.25MHz)		Channel = 600 (1880MHz)		Channel =1175 (1908.75MHz)		
			Hz	Limits	Hz	Limits	Hz	Limits	
EVDO 0 (BC1)	3.7	-30	-6	±1851.25	9	±1880.0	-6	±1908.75	PASS
		-20	15		15		-13		
		-10	-11		2		6		
		0	13		-4		11		
		+10	-11		23		14		
		+20	14		17		12		
		+30	18		-6		-11		
		+40	-5		12		-19		
		+50	2		15		-14		
	4.5	+25	21		13		6		
	3.4	+25	-1		-6		10		

Band	Test Conditions		Frequency Deviation						Verdict
	Power (VDC)	Temperature (°C)	Channel = 25 (1851.25MHz)		Channel = 600 (1880MHz)		Channel =1175 (1908.75MHz)		
			Hz	Limits	Hz	Limits	Hz	Limits	
EVDO A (BC1)	3.7	-30	12	±1851.25	7	±1880.0	13	±1908.75	PASS
		-20	2		11		2		
		-10	-9		-4		-12		
		0	-15		-10		-18		
		+10	-13		-9		-13		
		+20	8		8		10		
		+30	-10		-12		-19		
		+40	-12		-11		-14		
		+50	14		11		8		
	4.5	+25	9		18		6		
	3.4	+25	-14		-15		-17		

Band	Test Conditions		Frequency Deviation						Verdict
	Power (VDC)	Temperature (°C)	Channel = 25 (1851.25MHz)		Channel = 600 (1880MHz)		Channel =1175 (1908.75MHz)		
			Hz	Limits	Hz	Limits	Hz	Limits	
EVDO B (BC1)	3.7	-30	11	±1851.25	6	±1880.0	12	±1908.75	PASS
		-20	1		10		1		
		-10	-10		-5		-13		
		0	-16		-11		-19		
		+10	-14		-10		-14		
		+20	7		7		9		
		+30	-11		-13		-20		
		+40	-13		-12		-15		
		+50	13		10		7		
	4.5	+25	8		17		5		
	3.4	+25	-15		-16		-18		

Band	Test Conditions		Frequency Deviation						Verdict
	Power (VDC)	Temperature (°C)	Channel = 450 (817.25MHz)		Channel = 399 (820.00MHz)		Channel =684 (822.75MHz)		
			Hz	Limits	Hz	Limits	Hz	Limits	
CDMA (BC10)	3.7	-30	11	±2043.13	9	±2046.25	-12	±2049.38	PASS
		-20	5		14		11		
		-10	-21		12		-11		
		0	-16		-5		21		
		+10	-7		-7		-4		
		+20	2		11		25		
		+30	8		-1		14		
		+40	-1		2		-5		
		+50	12		14		2		
	4.5	+25	17		14		-3		
	3.4	+25	-7		-4		10		

Band	Test Conditions		Frequency Deviation						Verdict
	Power (VDC)	Temperature (°C)	Channel = 450 (817.25MHz)		Channel = 399 (820.00MHz)		Channel =684 (822.75MHz)		
			Hz	Limits	Hz	Limits	Hz	Limits	
EVDO 0 (BC10)	3.7	-30	14	±2043.13	8	±2046.25	-15	±2049.38	PASS
		-20	11		5		15		
		-10	-5		-3		-6		
		0	-12		-17		14		
		+10	-5		-15		-18		
		+20	11		2		19		
		+30	20		-2		12		
		+40	-7		-14		-5		
		+50	14		5		14		
	4.5	+25	11		12		-7		
	3.4	+25	-7		-17		12		

Band	Test Conditions		Frequency Deviation						Verdict
	Power (VDC)	Temperature (°C)	Channel = 450 (817.25MHz)		Channel = 399 (820.00MHz)		Channel =684 (822.75MHz)		
			Hz	Limits	Hz	Limits	Hz	Limits	
EVDO A (BC10)	3.7	-30	-12	±2043.13	15	±2046.25	-12	±2049.38	PASS
		-20	21		12		21		
		-10	-8		7		-5		
		0	22		-5		14		
		+10	-5		-9		-8		
		+20	24		11		15		
		+30	21		-5		17		
		+40	-5		-6		-5		
		+50	11		14		12		
	4.5	+25	-2		12		-6		
	3.4	+25	11		-8		13		

Band	Test Conditions		Frequency Deviation						Verdict
	Power (VDC)	Temperature (°C)	Channel = 450 (817.25MHz)		Channel = 399 (820.00MHz)		Channel =684 (822.75MHz)		
			Hz	Limits	Hz	Limits	Hz	Limits	
EVDO B (BC10)	3.7	-30	11	±2043.13	4	±2046.25	-11	±2049.38	PASS
		-20	5		8		13		
		-10	-21		-2		-4		
		0	-12		-15		11		
		+10	-5		-1		-4		
		+20	16		14		15		
		+30	12		-1		18		
		+40	-15		-5		-6		
		+50	11		14		12		
	4.5	+25	15		17		-8		
	3.4	+25	-5		-12		14		

2.6 Conducted Out of Band Emissions

2.6.1 Requirement

According to FCC section 2.1051, FCC section 22.917(a), 24.238(a), and 90.691. the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43+10*log(P)dB. This calculated to be -13dBm.

2.6.2 Test Description

See section 2.1.2 of this report.

2.6.3 Test Result

The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the out of band emissions.

Test Verdict:

Band	Channel	Frequency(MHz)	Measured Max Spurious Emission(dBm)	Refer Plot	Limit(dBm)
CDMA（BC0）	1013	824.7	< -25	Plot B1	-13
	384	836.52	< -25	Plot B2	-13
	777	848.31	< -25	Plot B3	-13
EVDO 0（BC0）	1013	824.7	< -25	Plot B4	-13
	384	836.52	< -25	Plot B5	-13
	777	848.31	< -25	Plot B6	-13
EVDO A（BC0）	1013	824.7	< -25	Plot B7	-13
	384	836.52	< -25	Plot B8	-13
	777	848.31	< -25	Plot B9	-13
EVDOB（BC0）	1013	824.7	< -25	Plot B10	-13
	384	836.52	< -25	Plot B11	-13
	777	848.31	< -25	Plot B12	-13
CDMA（BC1）	25	1851.25	< -25	Plot B13	-13
	600	1880.00	< -25	Plot B14	-13
	1175	1908.75	< -25	Plot B15	-13
EVDO 0（BC1）	25	1851.25	< -25	Plot B16	-13
	600	1880.00	< -25	Plot B17	-13
	1175	1908.75	< -25	Plot B18	-13
EVDO A（BC1）	25	1851.25	< -25	Plot B19	-13
	600	1880.00	< -25	Plot B20	-13
	1175	1908.75	< -25	Plot B21	-13

EVDO A（BC1）	25	1851.25	< -25	Plot B22	-13
	600	1880.00	< -25	Plot B23	-13
	1175	1908.75	< -25	Plot B24	-13

Band	Channel	Frequency(MHz)	Measured Max Spurious Emission(dBm)	Refer Plot	Limit(dBm)
CDMA（BC10）	450	817.25	< -25	Plot B25	-13
	560	820.00	< -25	Plot B26	-13
	670	822.75	< -25	Plot B27	-13
EVDO 0（BC10）	450	817.25	< -25	Plot B28	-13
	560	820.00	< -25	Plot B29	-13
	670	822.75	< -25	Plot B30	-13
EVDO A（BC10）	450	817.25	< -25	Plot B31	-13
	560	820.00	< -25	Plot B32	-13
	670	822.75	< -25	Plot B33	-13
EVDO B（BC10）	450	817.25	< -25	Plot B34	-13
	560	820.00	< -25	Plot B35	-13
	670	822.75	< -25	Plot B36	-13

Test Plots for the Whole Measurement Frequency Range:

Note: the power of the EUT transmitting frequency should be ignored.

(Plot B1: CDMA BC0 Channel = 1013, 30MHz to 9GHz)

(Plot B2: CDMA BC0 Channel = 384, 30MHz to 9GHz)

(Plot B3: CDMA BC0 Channel = 777, 30MHz to 9GHz)

(Plot B4: EVDO 0 BC0 Channel = 1013, 30MHz to 9GHz)

(Plot B5: EVDO 0 BC0 Channel = 384, 30MHz to 9GHz)

(Plot B6: EVDO 0 BC0 Channel = 777, 30MHz to 9GHz)

(Plot B7: EVDO A BC0 Channel = 1013, 30MHz to 9GHz)

(Plot B8: EVDO A BC0 Channel = 384, 30MHz to 9GHz)

(Plot B9: EVDO A BC0 Channel = 777, 30MHz to 9GHz)

(Plot B10: EVDO B BC0 Channel = 1013, 30MHz to 9GHz)

(Plot B11: EVDO B BC0 Channel = 384, 30MHz to 9GHz)

(Plot B12: EVDO B BC0 Channel = 777, 30MHz to 9GHz)

(Plot B13: CDMA BC1 Channel = 25, 30MHz to 20GHz)

(Plot B14: CDMA BC1 Channel = 600, 30MHz to 20GHz)

(Plot B15: CDMA BC1 Channel = 1175, 30MHz to 20GHz)

(Plot B16: EVDO 0 BC1 Channel = 25, 30MHz to 20GHz)

(Plot B17: EVDO 0 BC1 Channel = 600, 30MHz to 20GHz)

(Plot B18: EVDO 0 BC1 Channel =1175, 30MHz to 20GHz)

(Plot B19: EVDO A BC1 Channel = 25, 30MHz to 20GHz)

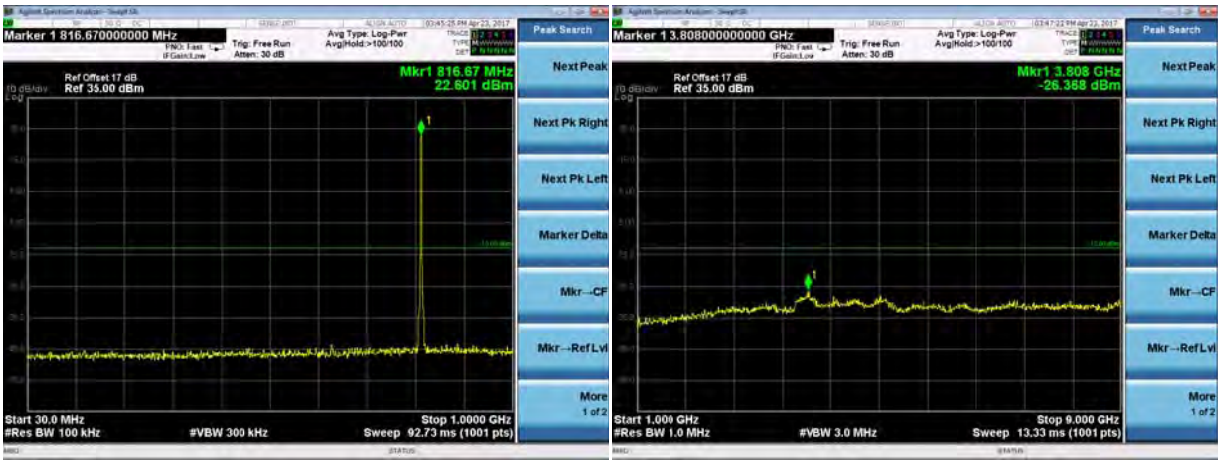
(Plot B20: EVDO A BC1 Channel = 600, 30MHz to 20GHz)

(Plot B21: EVDO A BC1 Channel =1175, 30MHz to 20GHz)

(Plot B22: EVDO B BC1 Channel = 25, 30MHz to 20GHz)

(Plot B23: EVDO B BC1 Channel = 600, 30MHz to 20GHz)

(Plot B24: EVDO B BC1 Channel =1175, 30MHz to 20GHz)

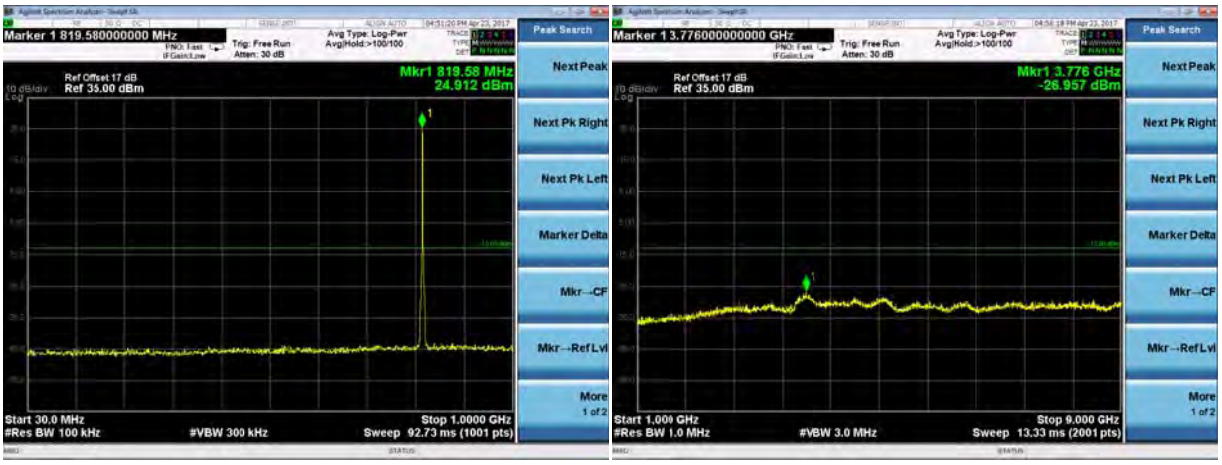


(Plot B25: CDMA BC10 Channel = 450, 30MHz to 9GHz)

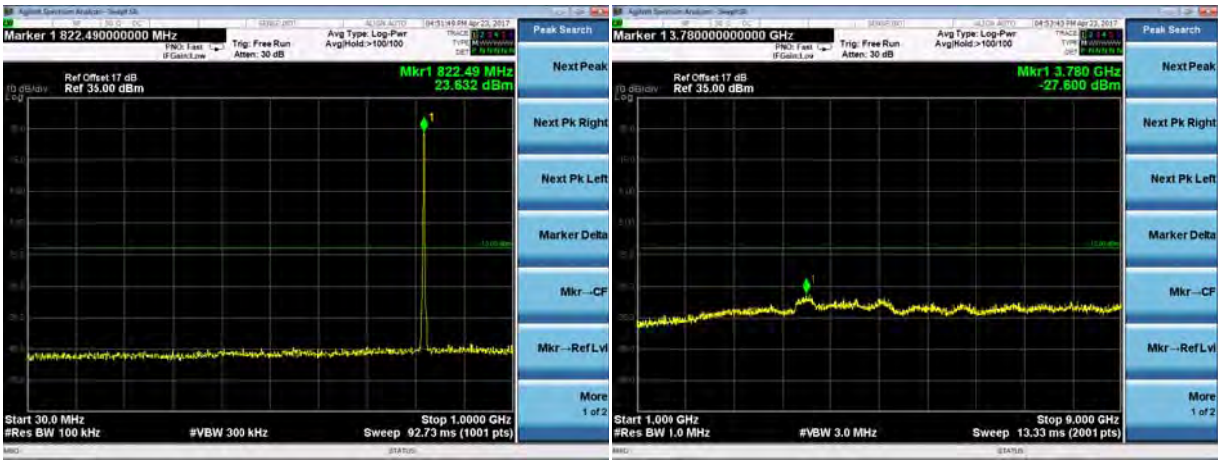
(Plot B26: CDMA BC10 Channel = 560, 30MHz to 9GHz)

(Plot B27: CDMA BC10 Channel = 670, 30MHz to 9GHz)

(Plot B28: EVDO 0 BC10 Channel = 450, 30MHz to 9GHz)



(Plot B29: EVDO 0 BC10 Channel = 560, 30MHz to 9GHz)



(Plot B30: EVDO 0 BC10 Channel = 670, 30MHz to 9GHz)

(Plot B31: EVDO A BC10 Channel =450, 30MHz to 9GHz)

(Plot B32: EVDO A BC10 Channel = 560, 30MHz to 9GHz)

(Plot B33: EVDO A BC10 Channel = 670, 30MHz to 9GHz)

(Plot B34: EVDO B BC10 Channel = 450, 30MHz to 9GHz)

(Plot B35: EVDO B BC0 Channel = 560, 30MHz to 9GHz)

(Plot B36: EVDO B BC0 Channel = 670, 30MHz to 9GHz)

2.7 Band Edge

2.7.1 Requirement

According to FCC section 2.1051, FCC section 22.917(b) 24.238(b) and 90.691.in the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth (26dB emission bandwidth) of the fundamental emission of the transmitter may be employed.

2.7.2 Test Description

See section 2.1.2 of this report.

2.7.3 Test Result

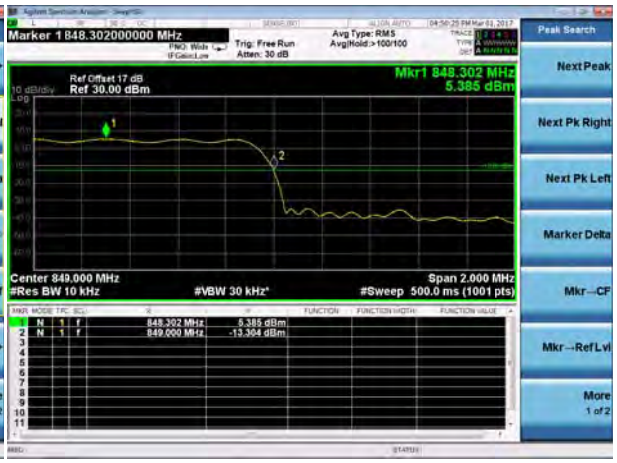
The lowest and highest channels are tested to verify the band edge emissions.

Test Verdict:

Band	Channel	Frequency (MHz)	Measured Max. Band Edge Emission (dBm)	Refer to Plot	Limit (dBm)	Verdict
CDMA (BC0)	1013	824.7	-16.16	Plot C1	-13	PASS
	777	848.31	-13.30	Plot C2		PASS
EVDO 0 (BC0)	1013	824.7	-15.94	Plot C3	-13	PASS
	777	848.31	-13.37	Plot C4		PASS
EVDO A (BC0)	1013	824.7	-15.73	Plot C5	-13	PASS
	777	848.31	-13.55	Plot C6		PASS
EVDO B (BC0)	1013	824.7	-15.89	Plot C7	-13	PASS
	777	848.31	-13.19	Plot C8		PASS
CDMA (BC1)	25	1851.25	-34.46	Plot C9	-13	PASS
	1175	1908.75	-32.46	Plot C10		PASS
EVDO A (BC1)	25	1851.25	-33.88	Plot C11	-13	PASS
	1175	1908.75	-32.39	Plot C12		PASS
EVDO A (BC1)	25	1851.25	-34.47	Plot C13	-13	PASS
	1175	1908.75	-32.40	Plot C14		PASS
EVDO B (BC1)	25	1851.25	-33.68	Plot C15	-13	PASS
	1175	1908.75	-32.46	Plot C16		PASS

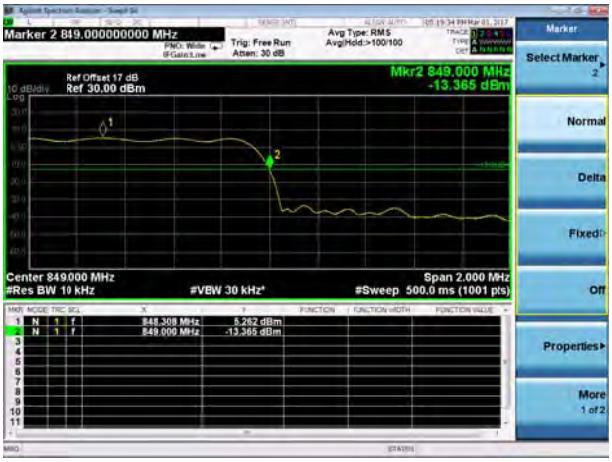
Test Plots:

(Plot C1: CDMA BC0 Channel = 1013)



(Plot C2: CDMA BC0 Channel = 777)

(Plot C3: EVDO 0 BC0 Channel = 1013)



(Plot C4: EVDO 0 BC0 Channel = 777)

(Plot C5: EVDO A BC0 Channel = 1013)

(Plot C6: EVDO A BC0 Channel = 777)

(Plot C7: EVDO A BC0 Channel = 1013)

(Plot C8: EVDO A BC0 Channel = 777)

(Plot C9: CDMA BC1 Channel = 25)

(Plot C10: CDMA BC1 Channel = 1175)

(Plot C11: EVDO 0 BC1 Channel = 25)

(Plot C12: EVDO 0 BC1 Channel = 1175)

(Plot C13: EVDO A BC1 Channel = 25)

(Plot C14: EVDO A BC1 Channel = 1175)

(Plot C15: EVDO A BC1 Channel = 25)

(Plot C16: EVDO A BC1 Channel = 1175)

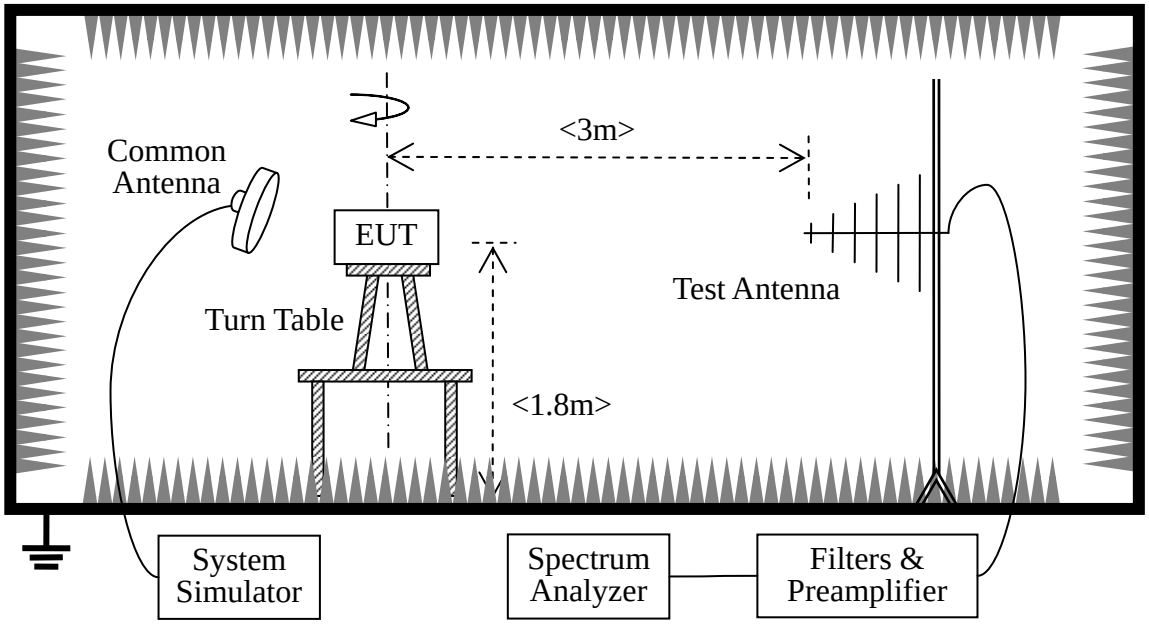
2.8 Transmitter Radiated Power (EIRP/ERP)

2.8.1 Requirement

According to FCC section 22.913; 24.232 and 90.635, the Effective Radiated Power (ERP) of mobile transmitters and auxiliary test transmitters must not exceed 7Watts.

2.8.2 Test Description

Test Setup:



The resolution bandwidth of the Spectrum Analyzer is set to be comparable to the emission bandwidth of the transmitter, e.g. for GSM modulated signal (here used): RBW=VBW=1MHz, for CDMA modulated signal: RBW=VBW=3MHz.

The low, middle and the high channels are selected to perform tests respectively.

Employ the bi-log Test Antenna as the test system receiving antenna; set the polarization of the Test Antenna to be the same as that of the EUT transmitting antenna.

Set the frequency range of the Spectrum Analyzer suitably to capture the waveform; actuate the Turn Table to turn from 0 degrees to 360 degrees to find the maximum reading via the Spectrum Analyzer, mark the peak; finally record the peak and the plot.

-Maximum RF output power: CDMA BC0 28.10dBm, EVDO A BC0 27.97dBm, CDMA BC1 27.14dBm, EVDO A BC1 27.09dBm.

- Step size (dB): 3dB

- Minimum RF power: CDMA800 0.5dBm, EVDO 0 800 0.5dBm, EVDO A 800 0.7dBm, EVDO B 800 0.7dBm

Equipments List:

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
System Simulator	Agilent	E5515C	GB43130131	2016.06.02	2017.06.01
Spectrum Analyzer	Agilent	E7405A	US44210471	2016.06.02	2017.06.01
Anechoic Chamber	Changning	9m*6m*6m	(n.a.)	2017.01.11	2018.01.10
Test Antenna - Bi-Log	Schwarzbeck	VULB 9163	9163-274	2016.07.05	2017.07.04
Test Antenna - Horn	Schwarzbeck	UG -596A/U	A0902607	2016.07.05	2017.07.04
Test Antenna - Horn	Schwarzbeck	BBHA 9120C	9120C-384	2016.07.05	2017.07.04
Pre-AMPs	lucix	S10M100L3802	S020180L3203	2016.07.05	2017.07.04
Notch Filter	COM-MW	ZBSF-C836.5-25-X	NA	2016.07.05	2017.07.04
Notch Filter	COM-MW	ZBSF-C1747.5-75-X2	NA	2016.07.05	2017.07.04
Notch Filter	COM-MW	ZBSF-C1880-60-X2	NA	2016.07.05	2017.07.04

2.8.3 Test Result

The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. The lowest, middle and highest channels are tested.

The substitution corrections are obtained as described below:

$A_{SUBST} = P_{SUBST\_TX} - P_{SUBST\_RX} - L_{SUBST\_CABLES} + G_{SUBST\_TX\_ANT}$

$A_{TOT} = L_{CABLES} + A_{SUBST}$

Where A_{SUBST} is the final substitution correction including receive antenna gain.

P_{SUBST_TX} is signal generator level,

P_{SUBST_RX} is receiver level,

L_{SUBST_CABLES} is cable losses including TX cable,

$G_{SUBST\_TX\_ANT}$ is substitution antenna gain.

A_{TOT} is total correction factor including cable loss and substitution correction

During the test, the data of A_{TOT} was added in the Test Spectrum Analyze, so Spectrum Analyze reading is the final values which contain the data of A_{TOT}.

Test Verdict:

Band	Channel Number	Frequency (MHz)	Measured Power		Refer Plot	Limits	
			dBm	W		dBm	W
CDMA（BC0）	1013	824.7	28.344	0.683	Plot1	38.5	7
	384	836.52	29.140	0.820			
	777	848.31	28.737	0.748			
EVDO 0（BC0）	1013	824.7	28.346	0.683	Plot2	38.5	7
	384	836.52	28.923	0.780			
	777	848.31	28.790	0.757			
EVDO A（BC0）	1013	824.7	28.249	0.668	Plo3	38.5	7
	384	836.52	29.006	0.795			
	777	848.31	28.717	0.744			
EVDO B（BC0）	1013	824.7	28.325	0.680	Plot4	38.5	7
	384	836.52	29.080	0.809			
	777	848.31	28.709	0.743			
CDMA（BC1）	25	1851.25	28.127	0.650	Plot5	33	2
	600	1880.00	29.432	0.877			
	1175	1908.75	28.252	0.669			
EVDO 0（BC1）	25	1851.25	28.532	0.713	Plot6	33	2
	600	1880.00	29.208	0.833			
	1175	1908.75	28.392	0.691			
EVDO A（BC1）	25	1851.25	28.239	0.667	Plot7	33	2
	600	1880.00	29.151	0.822			
	1175	1908.75	28.592	0.723			
EVDO B（BC1）	25	1851.25	28.396	0.691	Plot8	33	2
	600	1880.00	29.307	0.853			
	1175	1908.75	28.494	0.707			

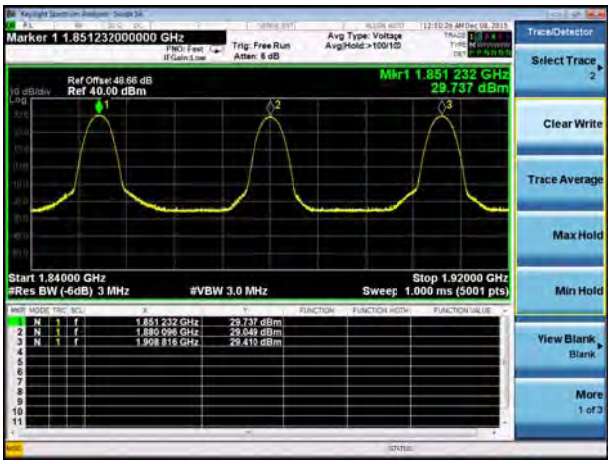
Band	Channel Number	Frequency (MHz)	Measured Power		Refer Plot	Limits	
			dBm	W		dBm	W
CDMA（BC10）	450	817.25	29.792	0.953	Plot 9	50	100
	560	820.00	29.466	0.884	Plot10		
	670	822.75	27.913	0.618	Plot11		
EVDO 0（BC10）	450	817.25	28.149	0.653	Plot12		
	560	820.00	27.587	0.574	Plot13		
	670	822.75	26.206	0.417	Plot14		
EVDO A（BC10）	450	817.25	29.412	0.873	Plot15	50	100
	560	820.00	26.027	0.401	Plot16		
	670	822.75	27.397	0.549	Plot17		
EVDO B（BC10）	450	817.25	29.497	0.891	Plot18		
	560	820.00	28.145	0.652	Plot19		
	670	822.75	29.030	0.800	Plot20		

Test Plots:

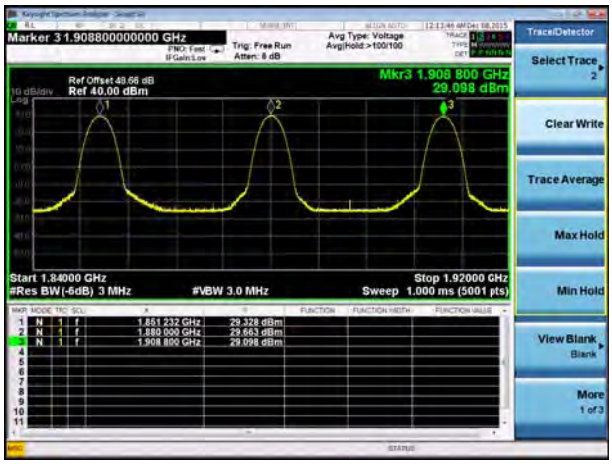
(Plot 1: CDMA BC0 Channel = 1013/384/777) (Plot2: EVDO 0 BC0 Channel = 1013/384/777)

(Plot 3: EVDO A BC0 Channel = 1013/384/777)

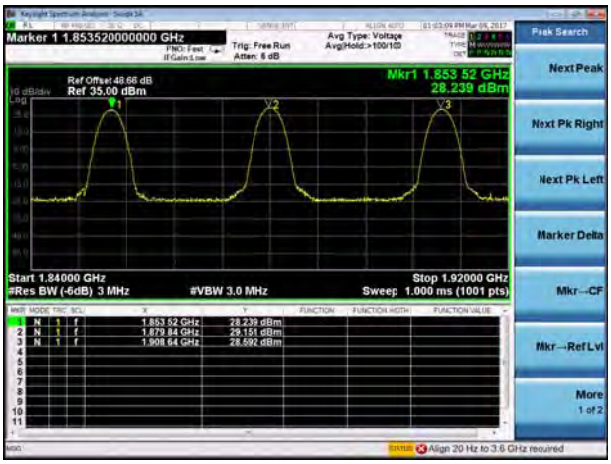
(Plot 4: EVDO A BC0 Channel = 1013/384/777)



(Plot 5: CDMA BC1 Channel = 25/600/1175)

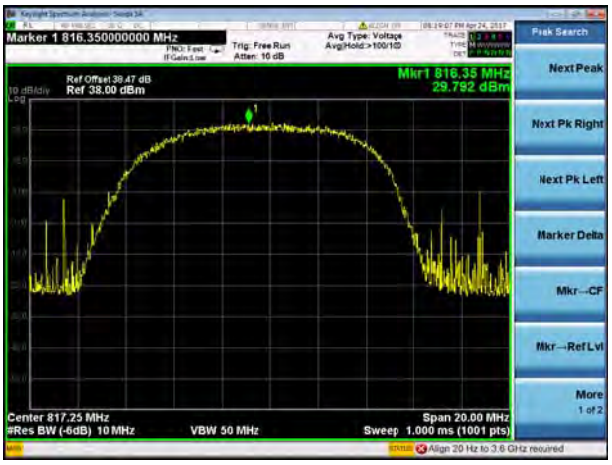


(Plot 6: EVDO 0 BC1 Channel = 25/600/1175)

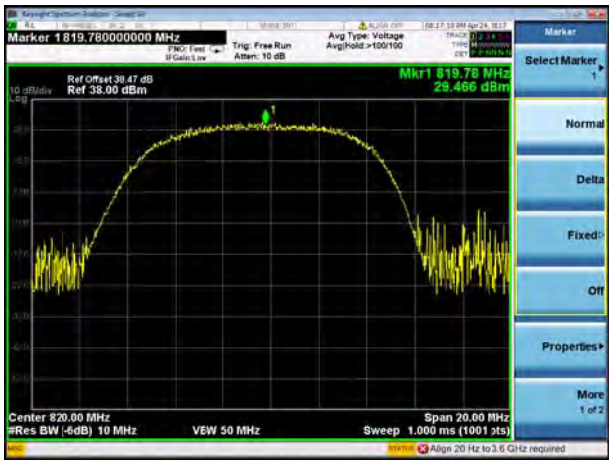


(Plot 7: EVDO A BC1 Channel = 25/600/1175)

(Plot 8: EVDO B BC1 Channel = 25/600/1175))

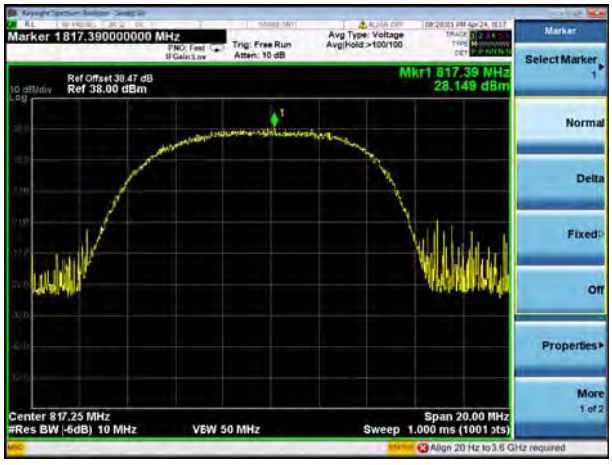


(Plot 9: CDMA BC10 Channel = 450)



(Plot 10: CDMA BC10 Channel=560)

(Plot 11: CDMA BC10 Channel =670)

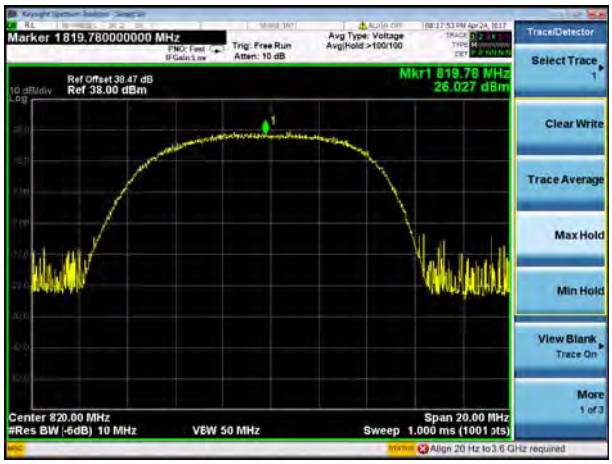


(Plot 12: EVDO 0 BC10 Channel =450)

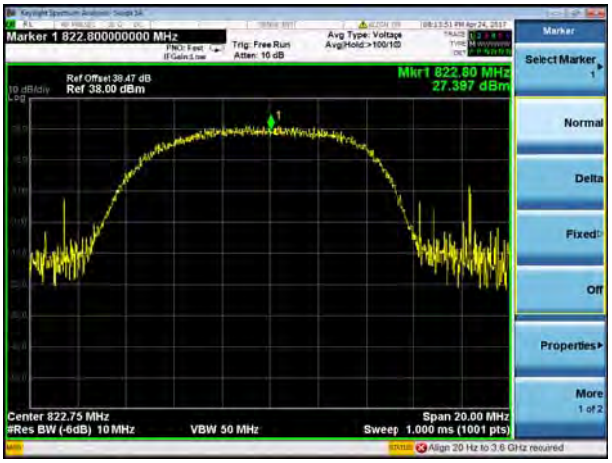
(Plot 13: EVDO 0 BC10 Channel =560)

(Plot 14: EVDO 0 BC10 Channel =670)

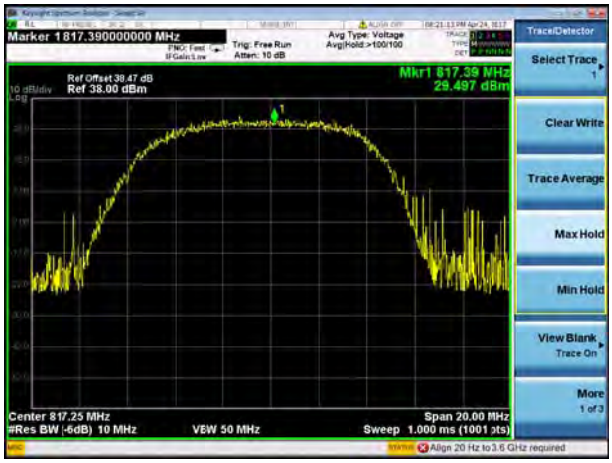
(Plot 15: EVDO A BC10 Channel = 450)



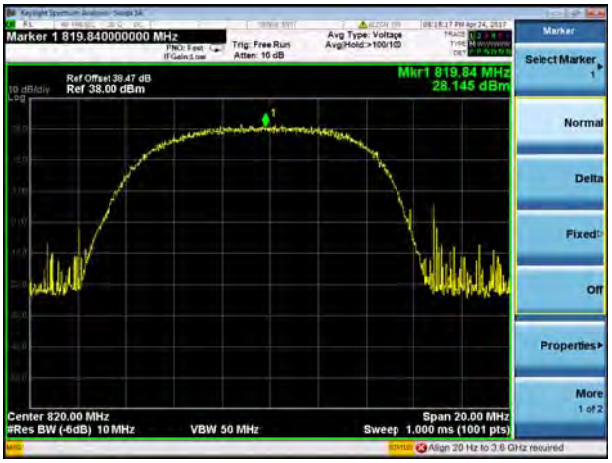
(Plot 16: EVDO A BC10 Channel=560)



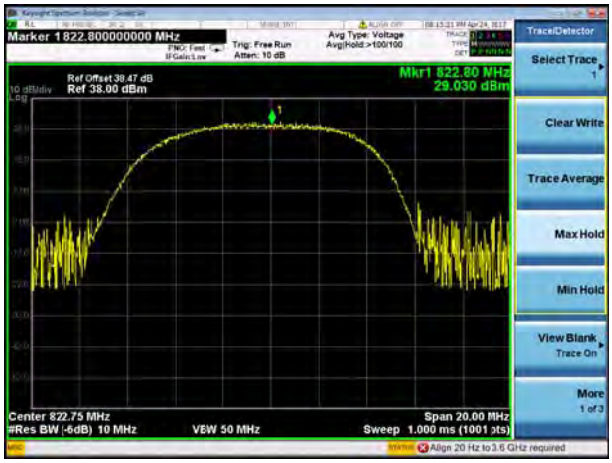
(Plot 17: EVDO A BC10 Channel =670)



(Plot 18: EVDO B BC10 Channel =450)



(Plot 19: EVDO B BC10 Channel =560)



(Plot 20: EVDO B BC10 Channel =670)

2.9 Radiated Out of Band Emissions

2.9.1 Requirement

According to FCC section 2.1053， FCC section 22.917(a) ;24.238(a) and 90.691, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43+10*log(P)dB. This calculated to be -13dBm.

2.9.2 Test Description

See section 2.8.2 of this report.

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

2.9.3 Test Result

The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. The lowest, middle and highest channels are tested to verify the out of band emissions.

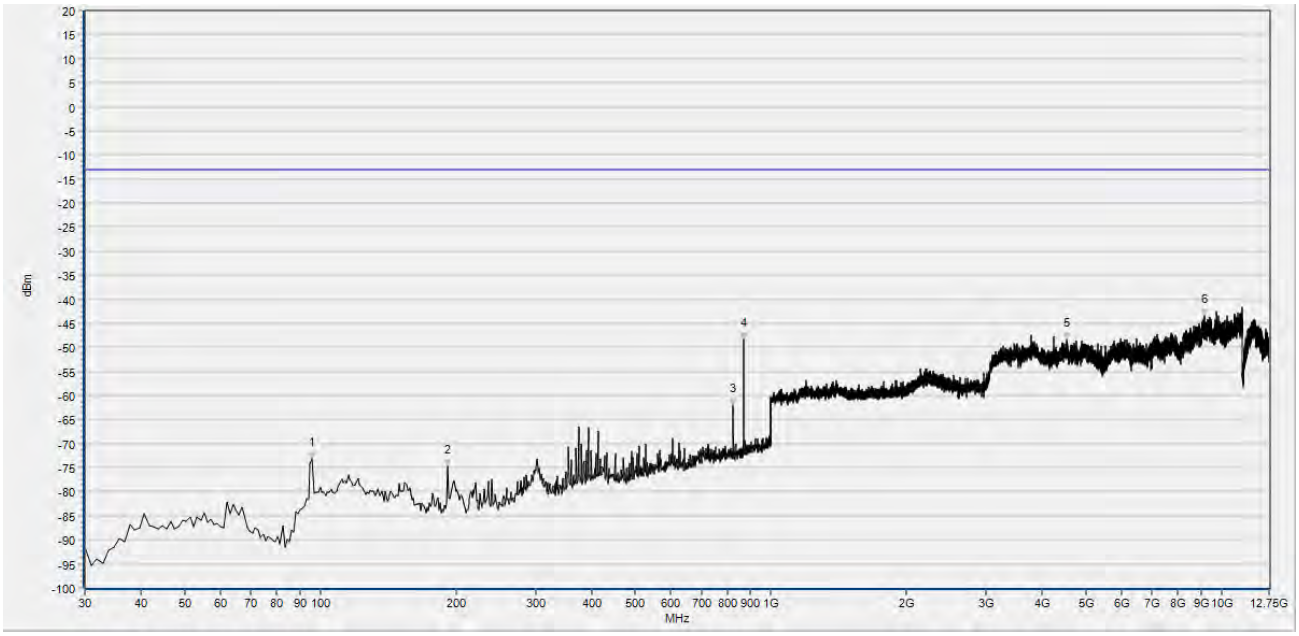
Test Verdict:

Band	Channel	Frequency (MHz)	Measured Max. Spurious Emission (dBm)		Refer to Plot	Limit (dBm)	Verdict
			Test Antenna Horizontal	Test Antenna Vertical			
CDMA（BC0）	1013	824.7	< -25	< -25	Plot E1/2	-13	PASS
	384	836.52	< -25	< -25	Plot E3/4		PASS
	777	848.31	< -25	< -25	Plot E5/6		PASS
EVDO 0（BC0）	1013	824.7	< -25	< -25	Plot E7/8	-13	PASS
	384	836.52	< -25	< -25	Plot E9/10		PASS
	777	848.31	< -25	< -25	Plot E11/12		PASS
EVDO A（BC0）	1013	824.7	< -25	< -25	Plot E13/14	-13	PASS
	384	836.52	< -25	< -25	Plot E15/16		PASS
	777	848.31	< -25	< -25	Plot E17/18		PASS
EVDO B（BC0）	1013	824.7	< -25	< -25	Plot E19/20	-13	PASS
	384	836.52	< -25	< -25	Plot E21/22		PASS
	777	848.31	< -25	< -25	Plot E23/24		PASS
CDMA（BC1）	25	1851.25	< -25	< -25	Plot E25/26	-13	PASS
	600	1880.00	< -25	< -25	Plot E27/28		PASS
	1175	1908.75	< -25	< -25	Plot E29/30		PASS
EVDO 0（BC1）	25	1851.25	< -25	< -25	Plot E31/32	-13	PASS
	600	1880.00	< -25	< -25	Plot E33/34		PASS
	1175	1908.75	< -25	< -25	Plot E35/36		PASS
EVDO A（BC1）	25	1851.25	< -25	< -25	Plot E37/38	-13	PASS
	600	1880.00	< -25	< -25	Plot E39/40		PASS
	1175	1908.75	< -25	< -25	Plot E41/42		PASS
EVDO B（BC1）	25	1851.25	< -25	< -25	Plot E43/44	-13	PASS
	600	1880.00	< -25	< -25	Plot E45/46		PASS
	1175	1908.75	< -25	< -25	Plot E47/48		PASS

Band	Channel	Frequency (MHz)	Measured Max. Spurious Emission (dBm)		Refer to Plot	Limit (dBm)	Verdict
			Test Antenna Horizontal	Test Antenna Vertical			
CDMA （BC10）	35	806.875	< -25	< -25	Plot E49/50	-13	PASS
	399	815.975	< -25	< -25	Plot E51/52		PASS
	684	823.100	< -25	< -25	Plot E53/54		PASS
EVDO 0 （BC10）	35	806.875	< -25	< -25	Plot E55/56	-13	PASS
	399	815.975	< -25	< -25	Plot E57/58		PASS
	684	823.100	< -25	< -25	Plot E59/60		PASS
EVDO A （BC10）	35	806.875	< -25	< -25	Plot E61/62	-13	PASS
	399	815.975	< -25	< -25	Plot E63/64		PASS
	684	823.100	< -25	< -25	Plot E65/66		PASS
EVDO B （BC10）	35	806.875	< -25	< -25	Plot E67/68	-13	PASS
	399	815.975	< -25	< -25	Plot E69/70		PASS
	684	823.100	< -25	< -25	Plot E71/72		PASS

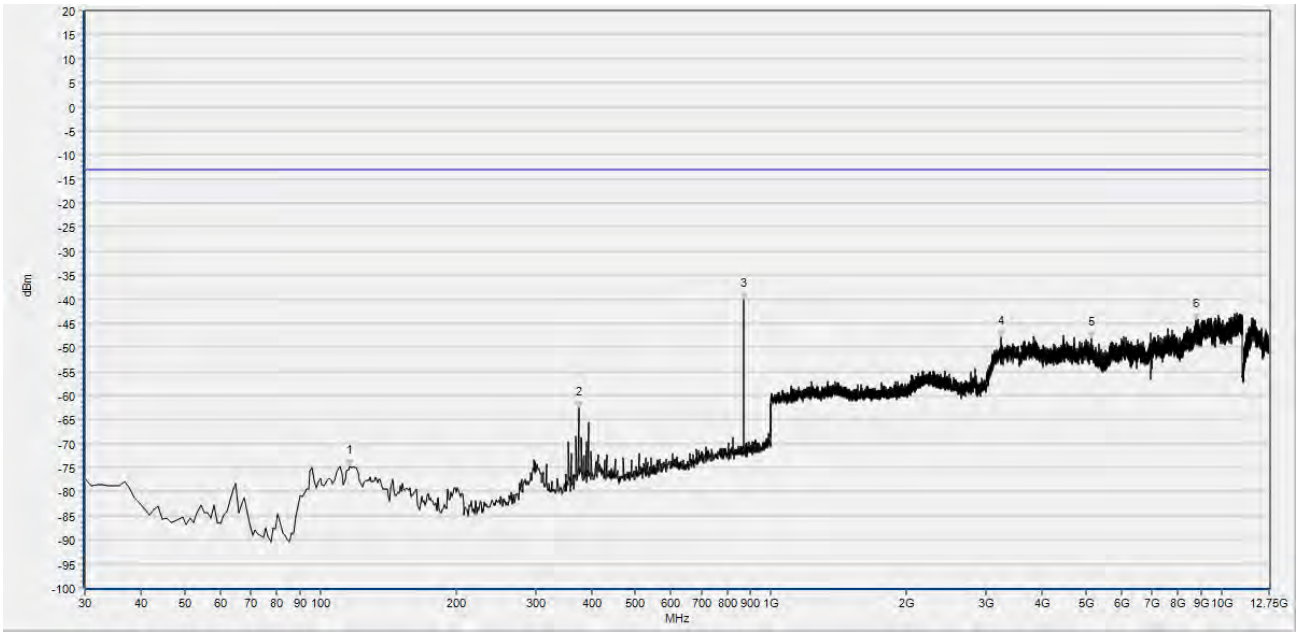
Test Plots for the Whole Measurement Frequency Range:

Note: the power of the EUT transmitting frequency should be ignored



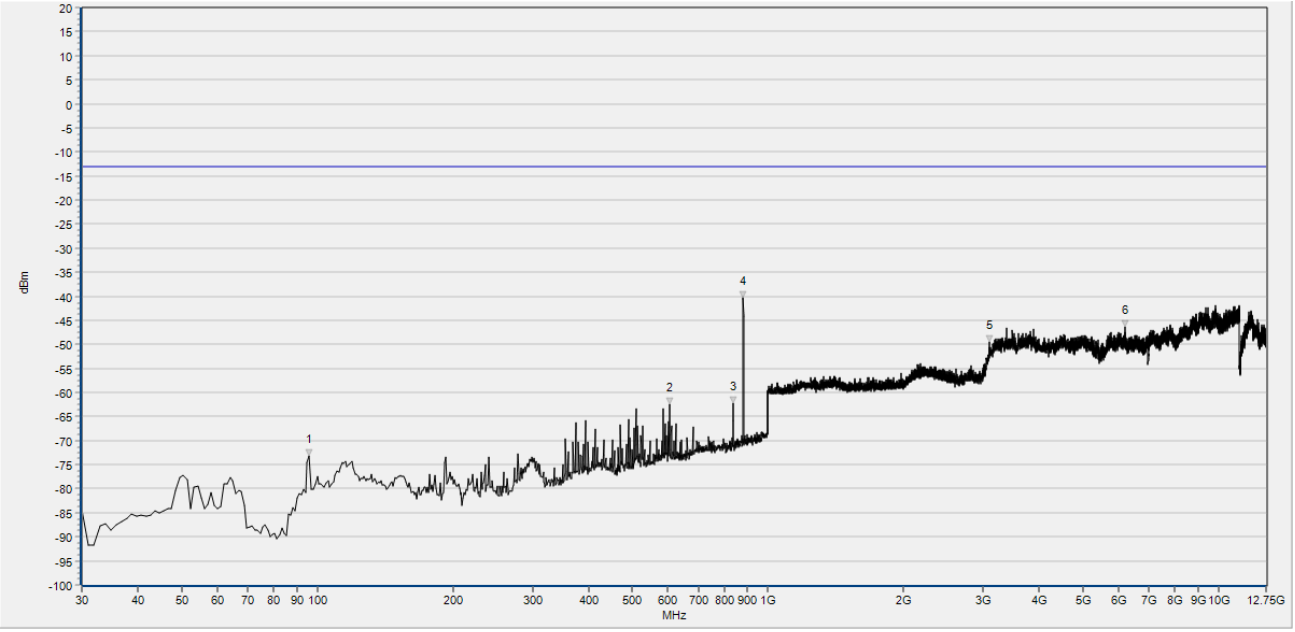
(Plot E1: CDMA BC0 Channel = 1013, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	95.960	-73.10	-13.00	Horizontal	PASS
2	191.990	-74.75	-13.00	Horizontal	PASS
3	824.430	-62.10	-13.00	Horizontal	PASS
4	869.050	-48.28	-13.00	Horizontal	PASS
5	4543.617	-48.35	-13.00	Horizontal	PASS
6	9161.784	-43.46	-13.00	Horizontal	PASS



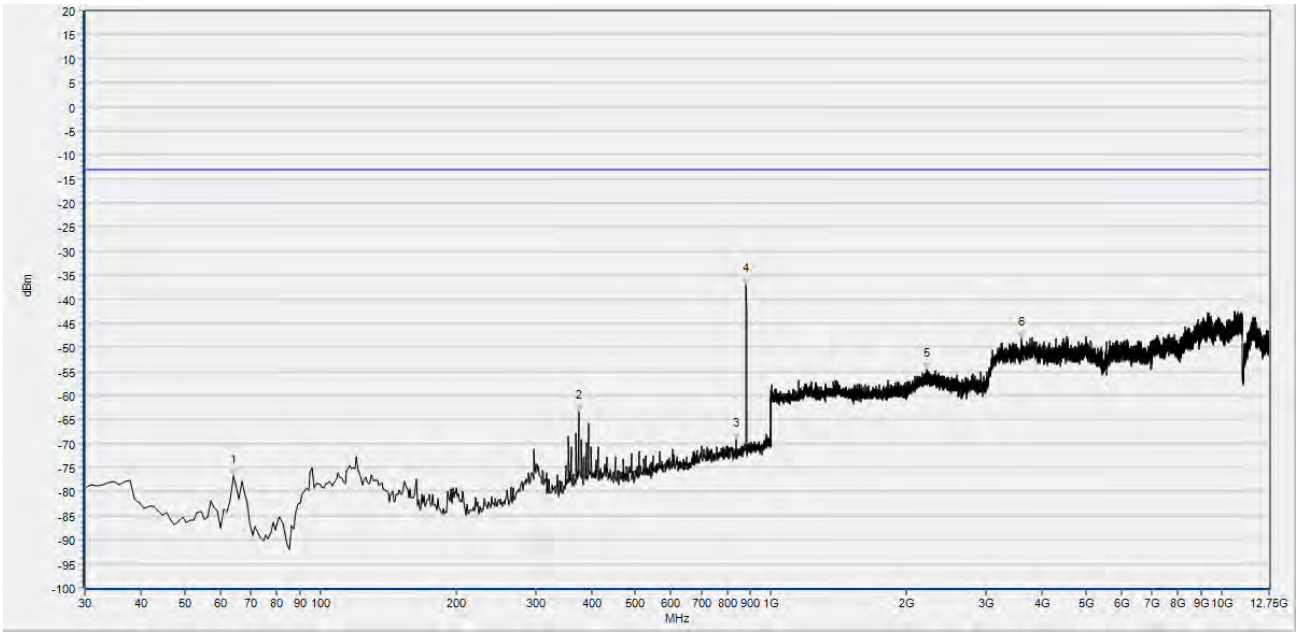
(Plot E2: CDMA BC0 Channel = 1013, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	116.330	-74.67	-13.00	Vertical	PASS
2	374.350	-62.71	-13.00	Vertical	PASS
3	870.020	-40.04	-13.00	Vertical	PASS
4	3240.489	-47.90	-13.00	Vertical	PASS
5	5141.653	-48.25	-13.00	Vertical	PASS
6	8783.397	-44.32	-13.00	Vertical	PASS



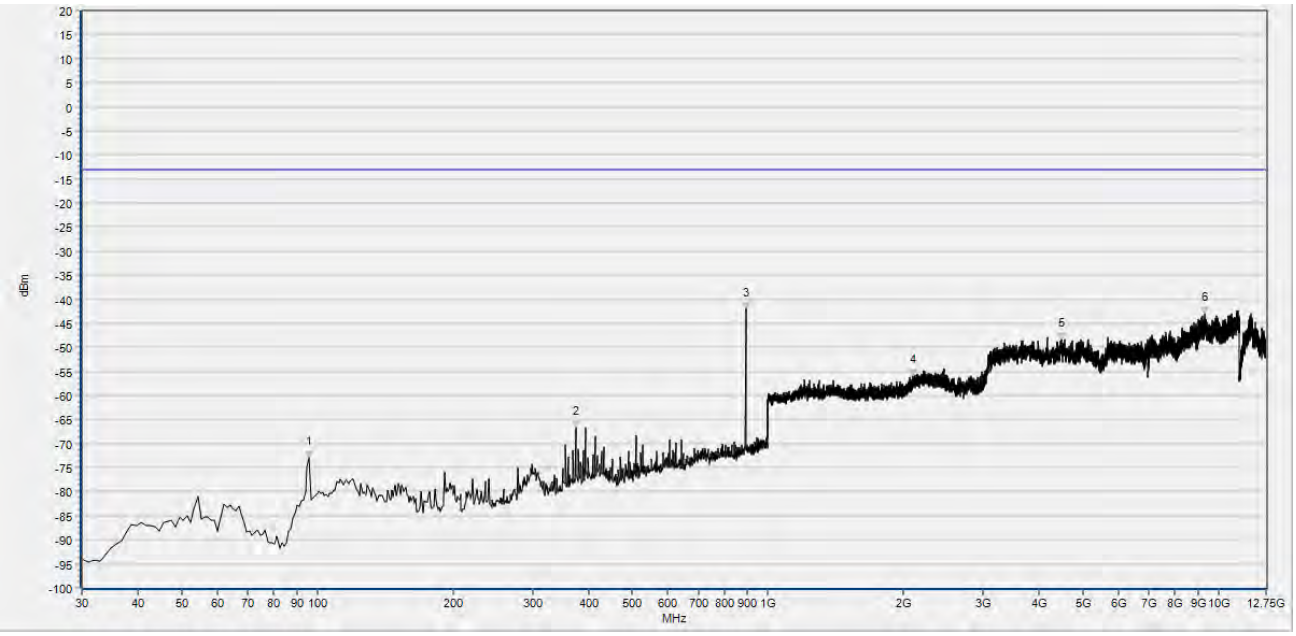
(Plot E3: CDMA BC0 Channel = 384, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	95.960	-73.13	-13.00	Horizontal	PASS
2	605.210	-62.42	-13.00	Horizontal	PASS
3	836.070	-62.31	-13.00	Horizontal	PASS
4	881.660	-40.27	-13.00	Horizontal	PASS
5	3103.901	-49.46	-13.00	Horizontal	PASS
6	6197.445	-46.37	-13.00	Horizontal	PASS



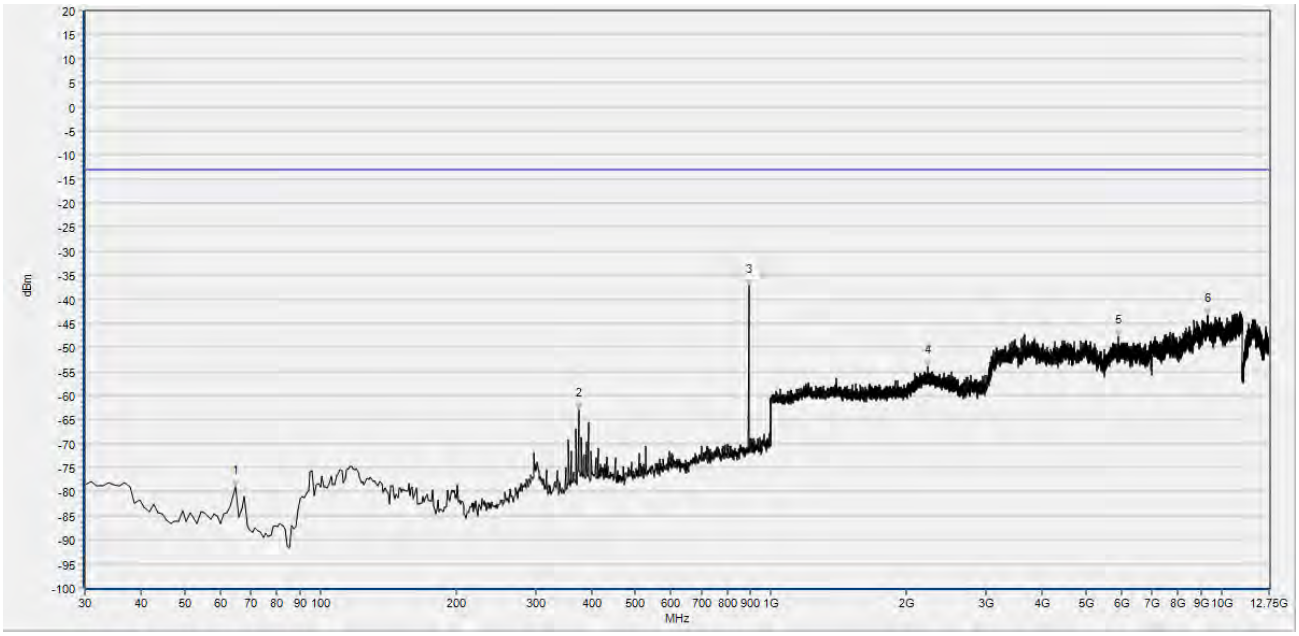
(PlotE4: CDMA BC0 Channel = 384, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	63.950	-76.83	-13.00	Vertical	PASS
2	374.350	-63.27	-13.00	Vertical	PASS
3	837.040	-69.08	-13.00	Vertical	PASS
4	881.660	-36.98	-13.00	Vertical	PASS
5	2222.249	-54.71	-13.00	Vertical	PASS
6	3600.418	-48.23	-13.00	Vertical	PASS



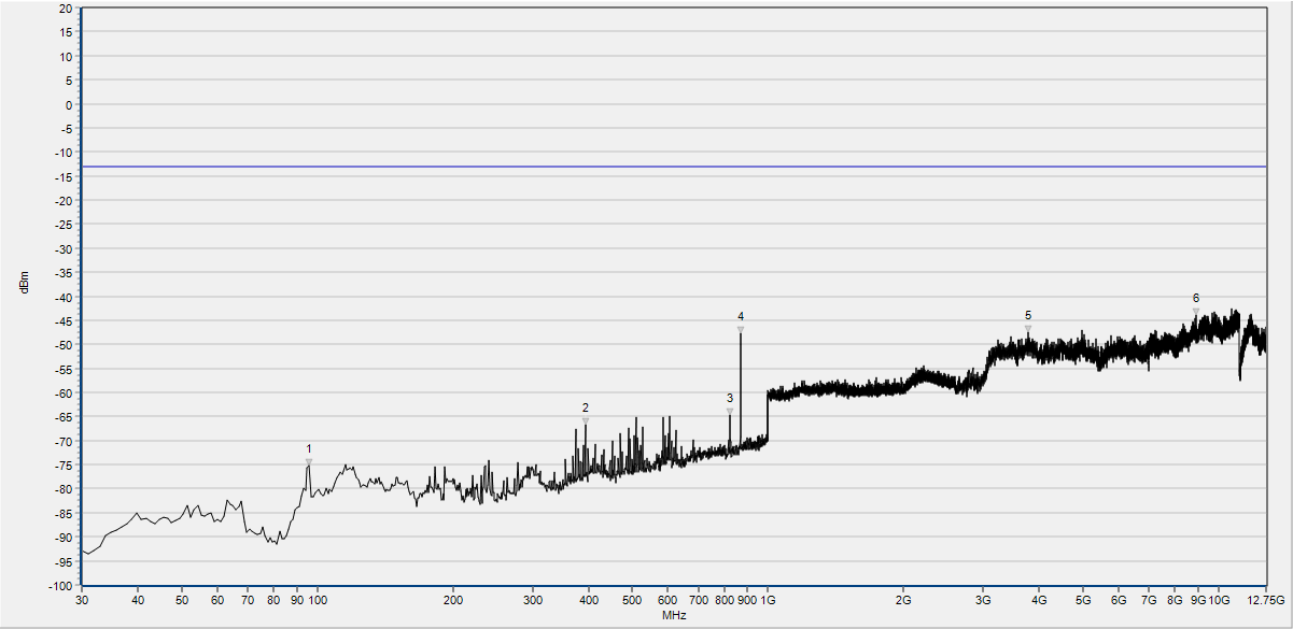
(Plot E5: CDMA BC0 Channel = 777, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	95.960	-73.04	-13.00	Horizontal	PASS
2	374.350	-66.81	-13.00	Horizontal	PASS
3	893.300	-42.17	-13.00	Horizontal	PASS
4	2094.198	-56.00	-13.00	Horizontal	PASS
5	4471.631	-48.43	-13.00	Horizontal	PASS
6	9313.139	-43.07	-13.00	Horizontal	PASS



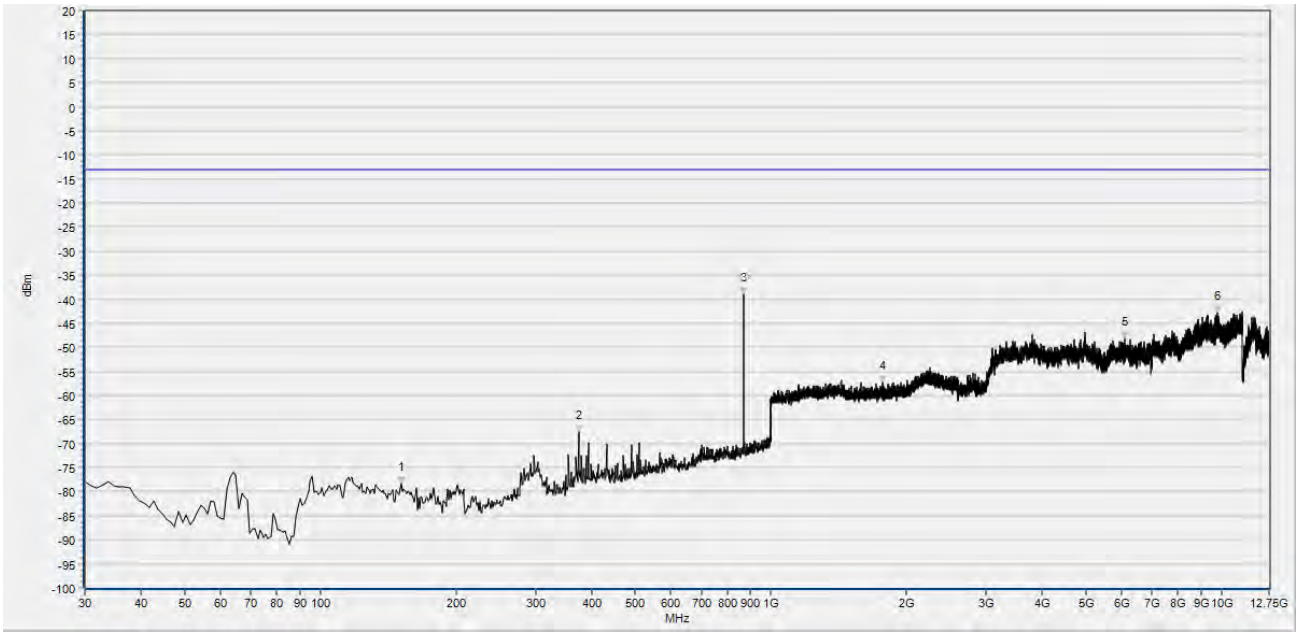
(Plot E6: CDMA BC0 Channel = 777, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	64.920	-78.91	-13.00	Vertical	PASS
2	374.350	-62.99	-13.00	Vertical	PASS
3	893.300	-37.23	-13.00	Vertical	PASS
4	2233.133	-54.07	-13.00	Vertical	PASS
5	5909.502	-47.77	-13.00	Vertical	PASS
6	9309.447	-43.22	-13.00	Vertical	PASS



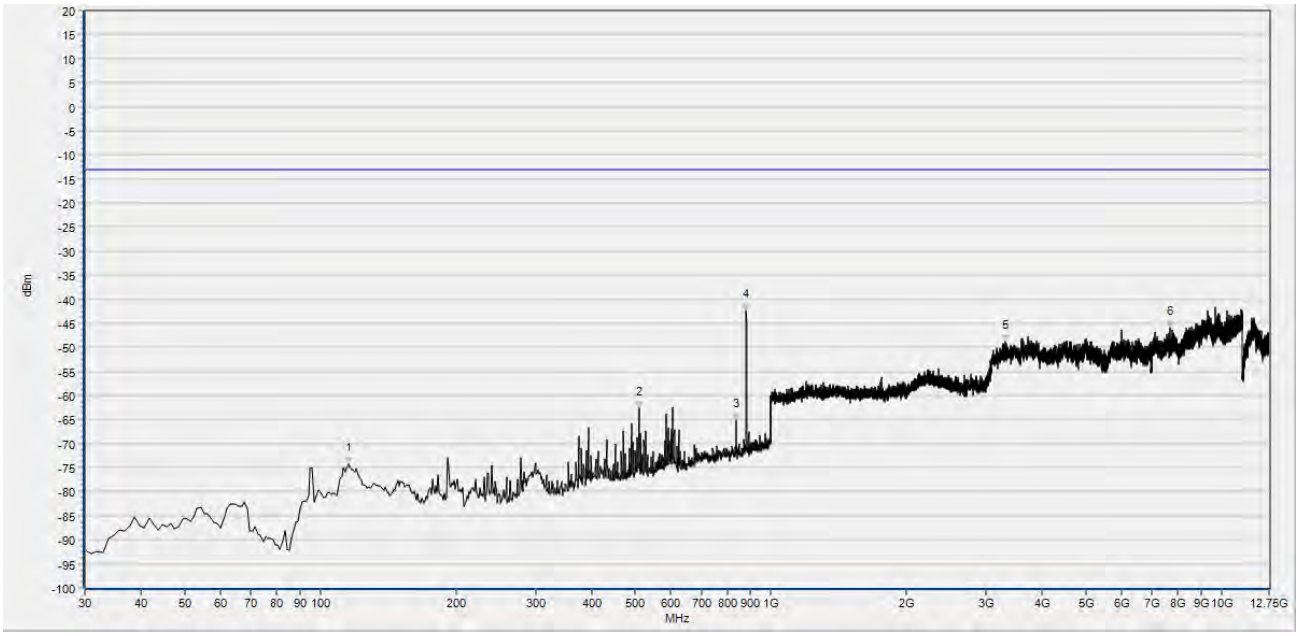
(Plot E7: EVDO 0 BC0 Channel = 1013, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	95.960	-75.22	-13.00	Horizontal	PASS
2	393.750	-66.62	-13.00	Horizontal	PASS
3	824.430	-64.70	-13.00	Horizontal	PASS
4	870.020	-47.80	-13.00	Horizontal	PASS
5	3783.151	-47.54	-13.00	Horizontal	PASS
6	8925.523	-43.95	-13.00	Horizontal	PASS



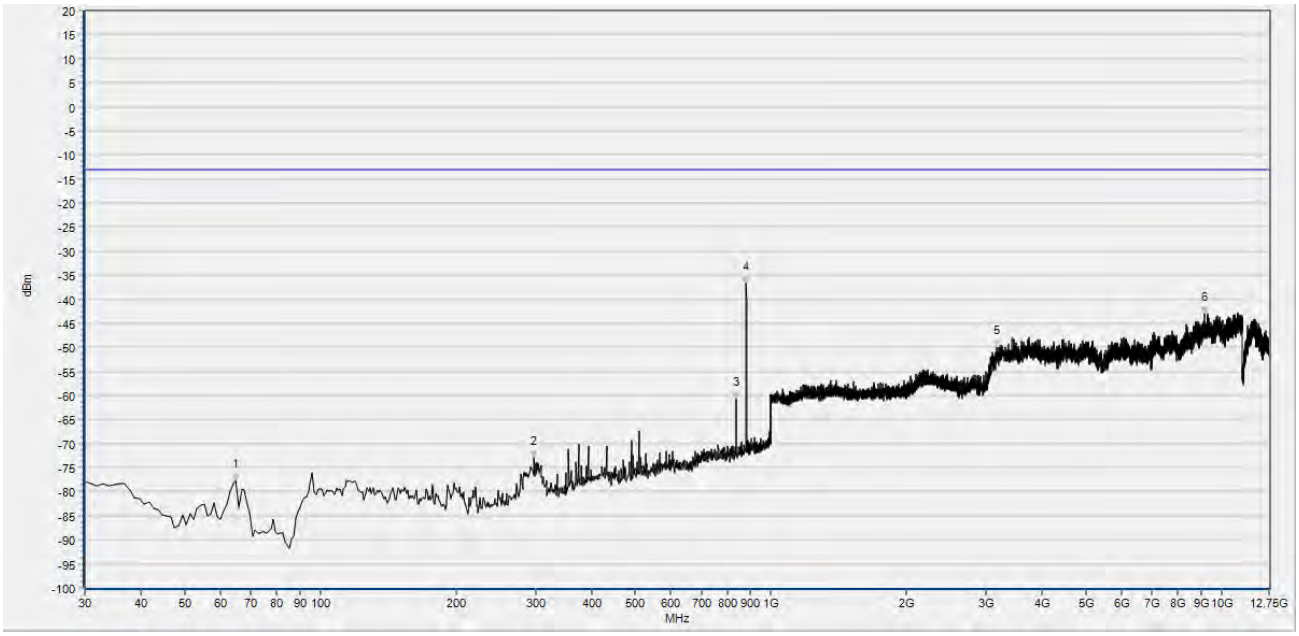
(Plot E8: EVDO 0 BC0 Channel = 1013, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	151.250	-78.37	-13.00	Vertical	PASS
2	374.350	-67.53	-13.00	Vertical	PASS
3	870.020	-38.92	-13.00	Vertical	PASS
4	1768.948	-57.39	-13.00	Vertical	PASS
5	6107.001	-48.15	-13.00	Vertical	PASS
6	9772.740	-42.85	-13.00	Vertical	PASS



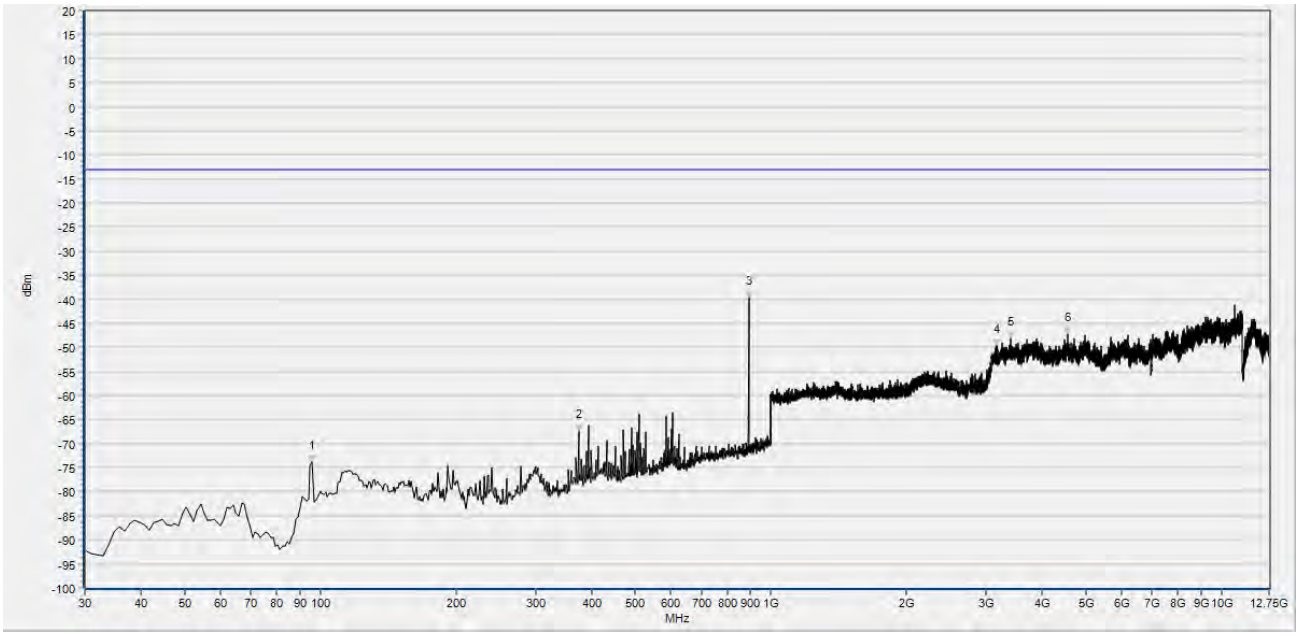
(Plot E9: EVDO 0 BC0 Channel = 384, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	115.360	-74.25	-13.00	Horizontal	PASS
2	509.180	-62.75	-13.00	Horizontal	PASS
3	836.070	-65.09	-13.00	Horizontal	PASS
4	880.690	-42.24	-13.00	Horizontal	PASS
5	3308.783	-48.78	-13.00	Horizontal	PASS
6	7703.610	-46.00	-13.00	Horizontal	PASS



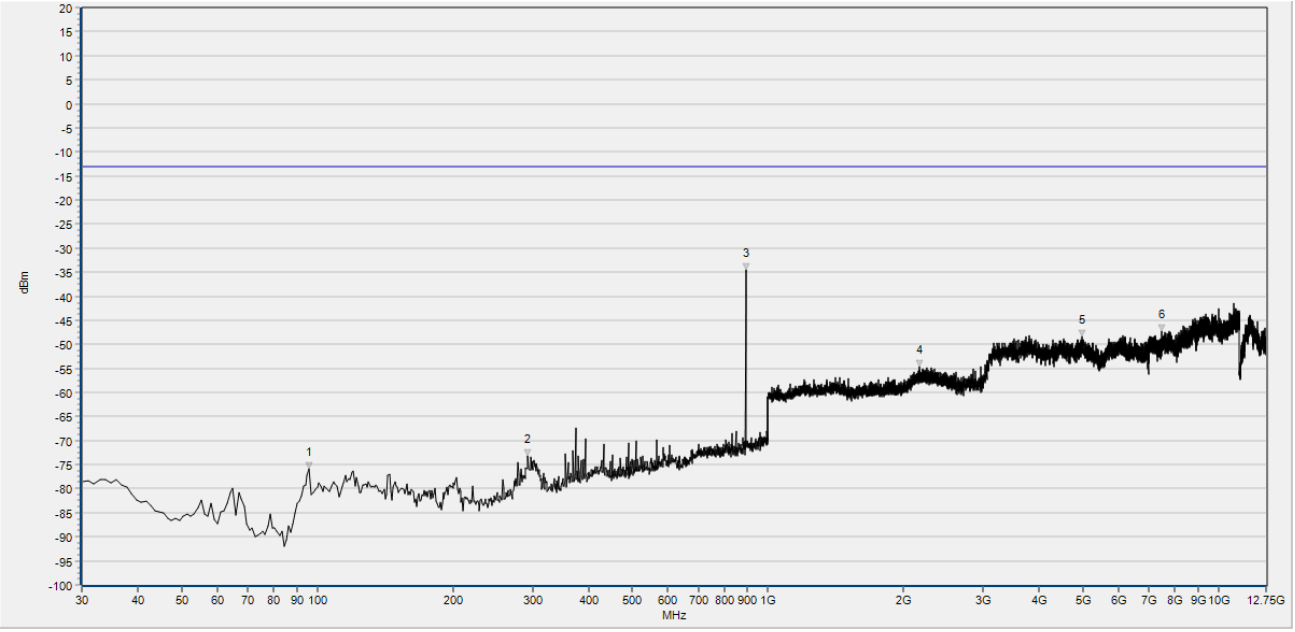
(PlotE10: EVDO 0 BC0 Channel = 384, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	64.920	-77.57	-13.00	Vertical	PASS
2	297.720	-72.91	-13.00	Vertical	PASS
3	836.070	-60.57	-13.00	Vertical	PASS
4	881.660	-36.76	-13.00	Vertical	PASS
5	3164.812	-49.86	-13.00	Vertical	PASS
6	9169.167	-43.04	-13.00	Vertical	PASS



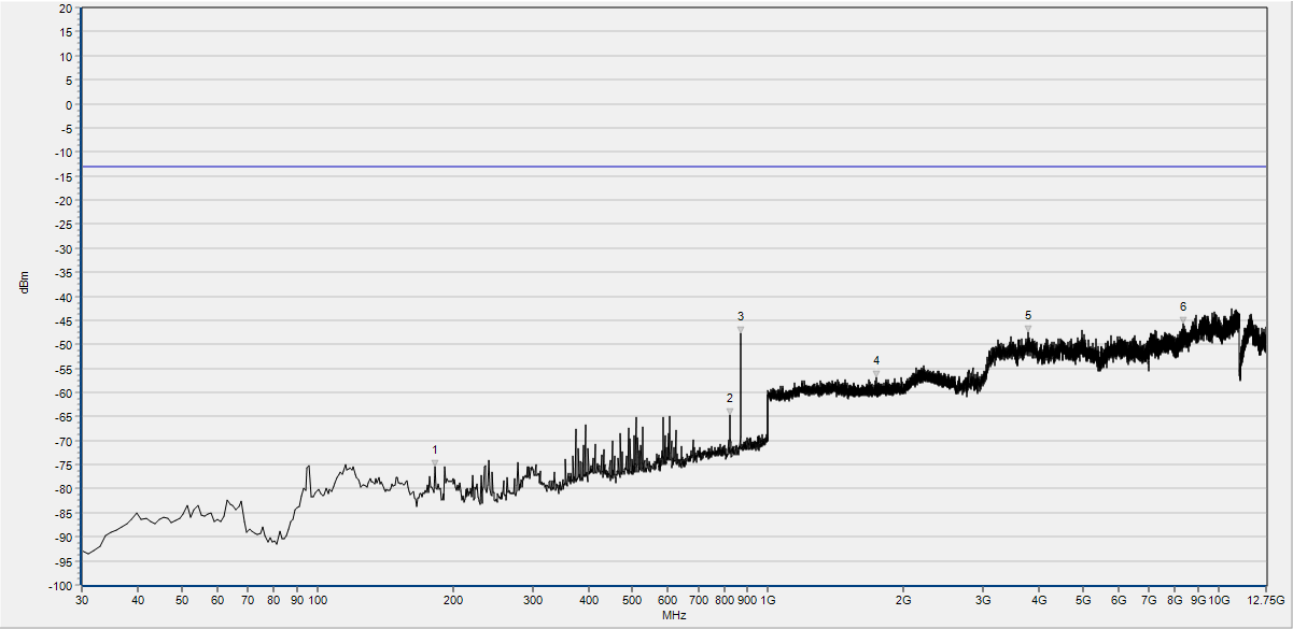
(Plot E11: EVDO 0 BC0 Channel = 777, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	95.960	-73.89	-13.00	Horizontal	PASS
2	374.350	-67.38	-13.00	Horizontal	PASS
3	893.300	-39.76	-13.00	Horizontal	PASS
4	3170.349	-49.62	-13.00	Horizontal	PASS
5	3401.073	-48.13	-13.00	Horizontal	PASS
6	4562.075	-47.21	-13.00	Horizontal	PASS



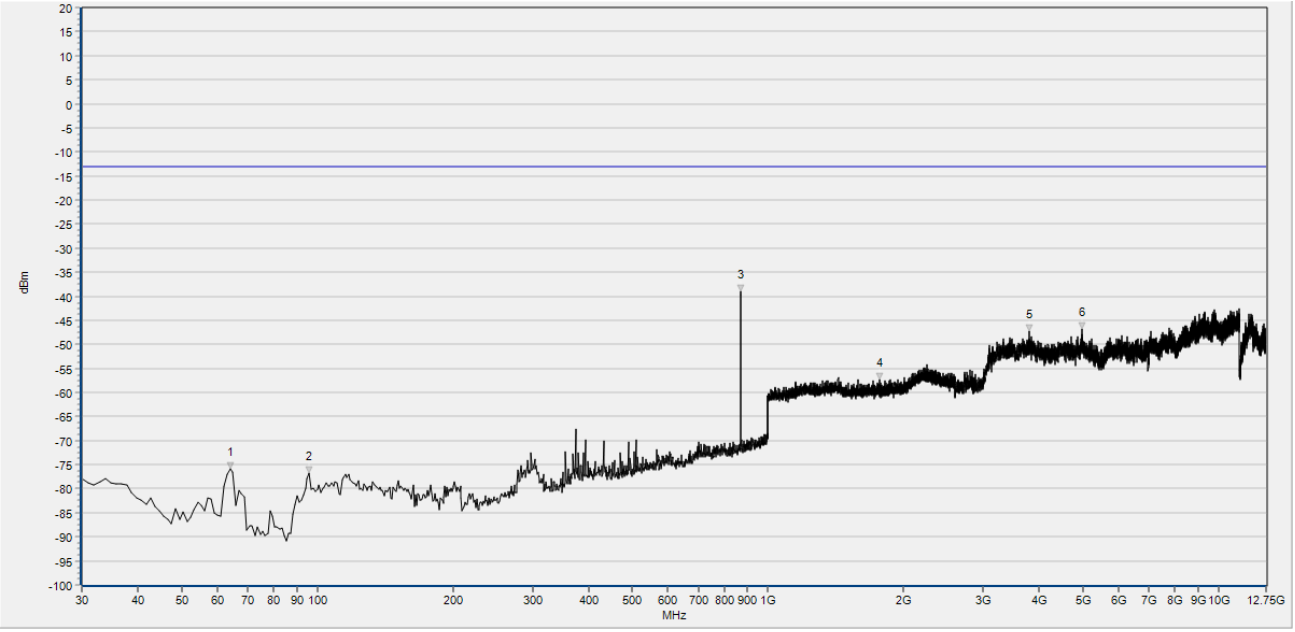
(Plot E12: EVDO 0 BC0 Channel = 777, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	95.960	-75.78	-13.00	Vertical	PASS
2	292.870	-73.23	-13.00	Vertical	PASS
3	894.270	-34.63	-13.00	Vertical	PASS
4	2170.388	-54.65	-13.00	Vertical	PASS
5	4982.915	-48.42	-13.00	Vertical	PASS
6	7487.652	-47.34	-13.00	Vertical	PASS



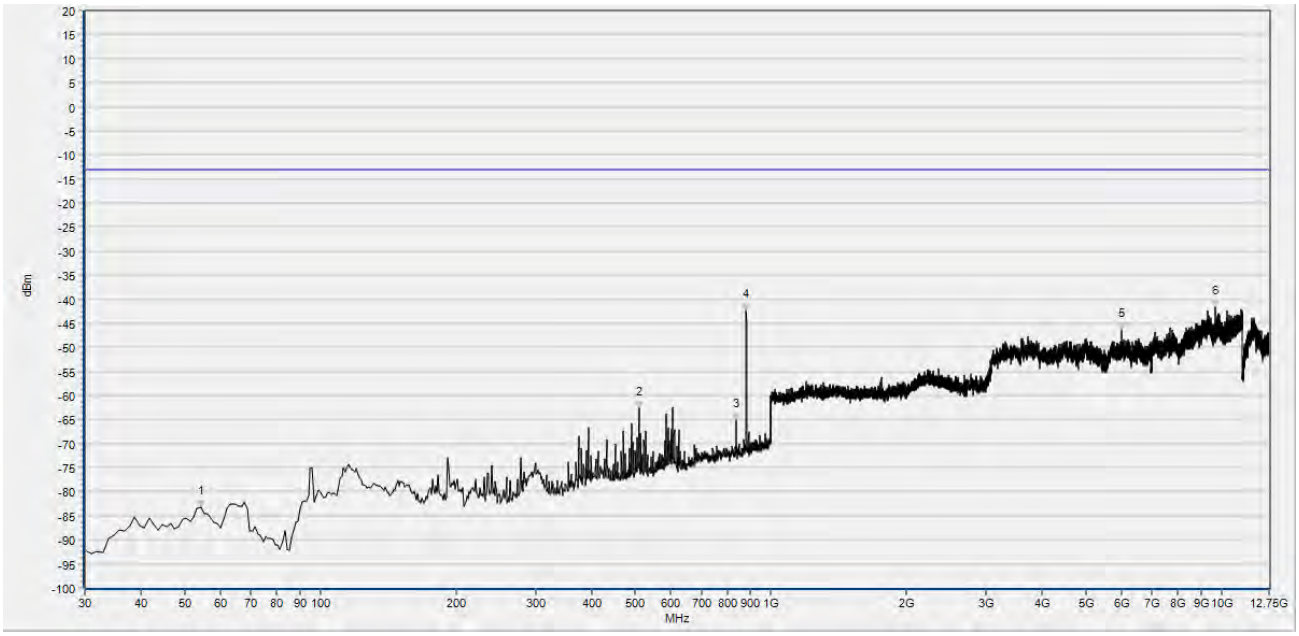
(Plot E13: EVDO A BC0 Channel = 1013, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	182.290	-75.44	-13.00	Horizontal	PASS
2	824.430	-64.70	-13.00	Horizontal	PASS
3	870.020	-47.80	-13.00	Horizontal	PASS
4	1741.417	-56.93	-13.00	Horizontal	PASS
5	3783.151	-47.54	-13.00	Horizontal	PASS
6	8340.407	-45.73	-13.00	Horizontal	PASS



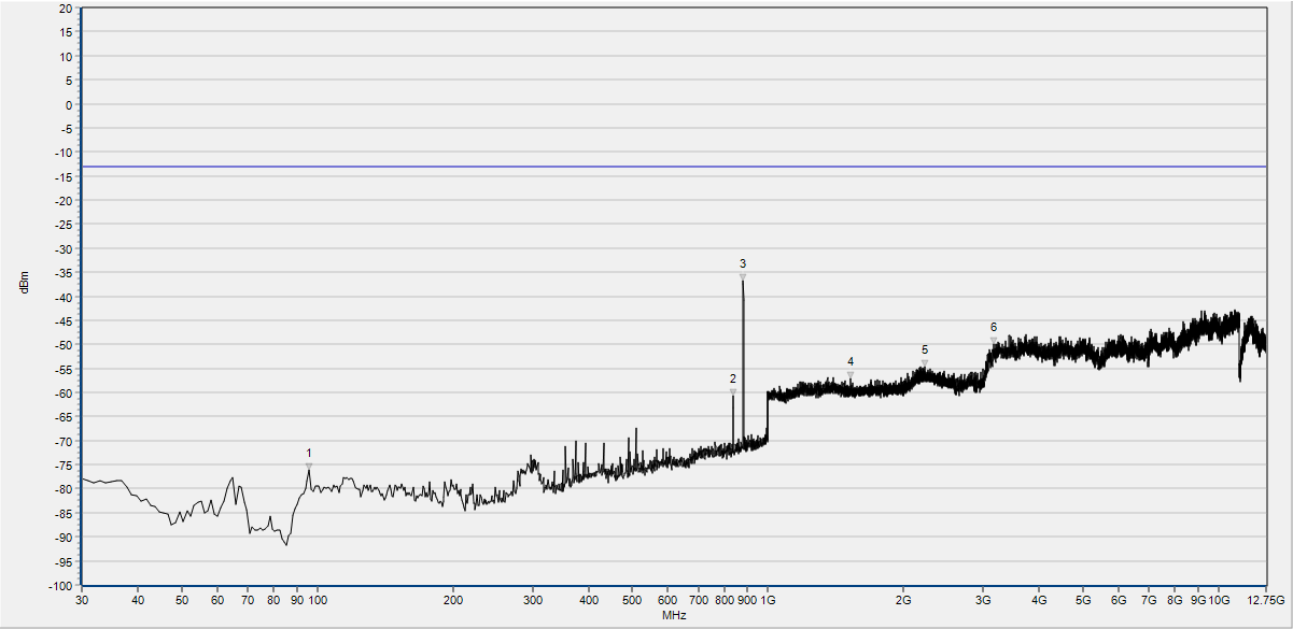
(Plot E14: EVDO A BC0 Channel = 1013, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	63.950	-75.87	-13.00	Vertical	PASS
2	95.960	-76.71	-13.00	Vertical	PASS
3	870.020	-38.92	-13.00	Vertical	PASS
4	1768.948	-57.39	-13.00	Vertical	PASS
5	3801.609	-47.34	-13.00	Vertical	PASS
6	4981.069	-46.82	-13.00	Vertical	PASS



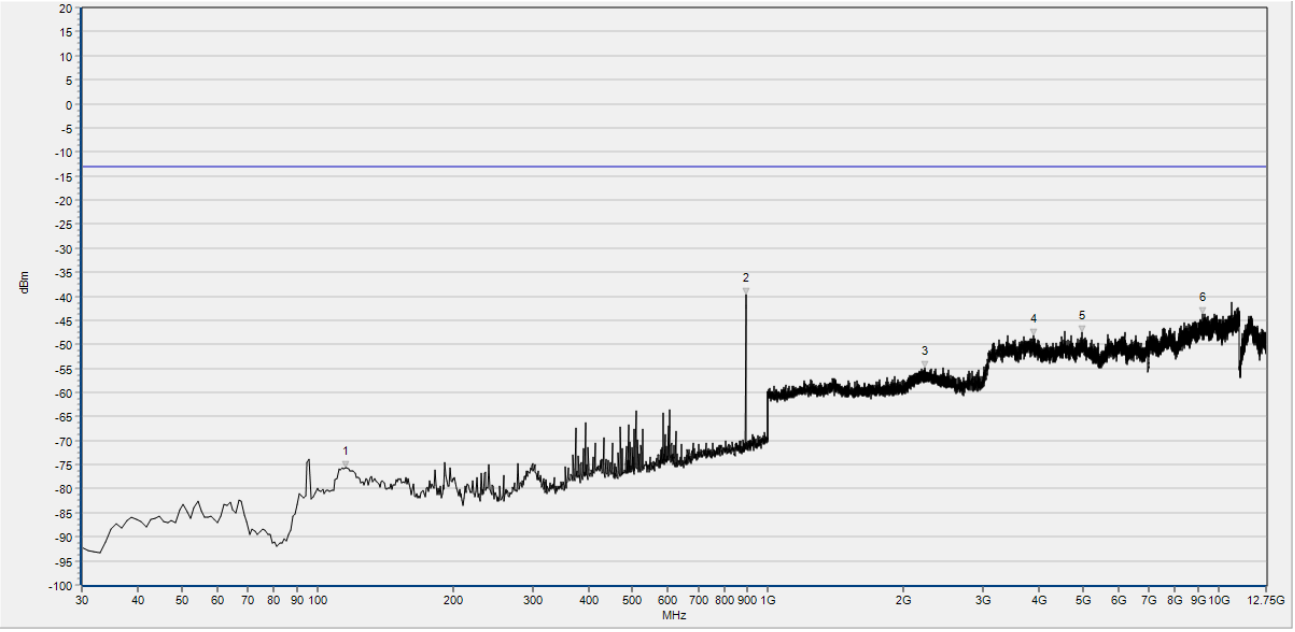
(Plot E15: EVDO A BC0 Channel = 384, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	54.250	-83.25	-13.00	Horizontal	PASS
2	509.180	-62.75	-13.00	Horizontal	PASS
3	836.070	-65.09	-13.00	Horizontal	PASS
4	880.690	-42.24	-13.00	Horizontal	PASS
5	6001.791	-46.42	-13.00	Horizontal	PASS
6	9697.063	-41.74	-13.00	Horizontal	PASS



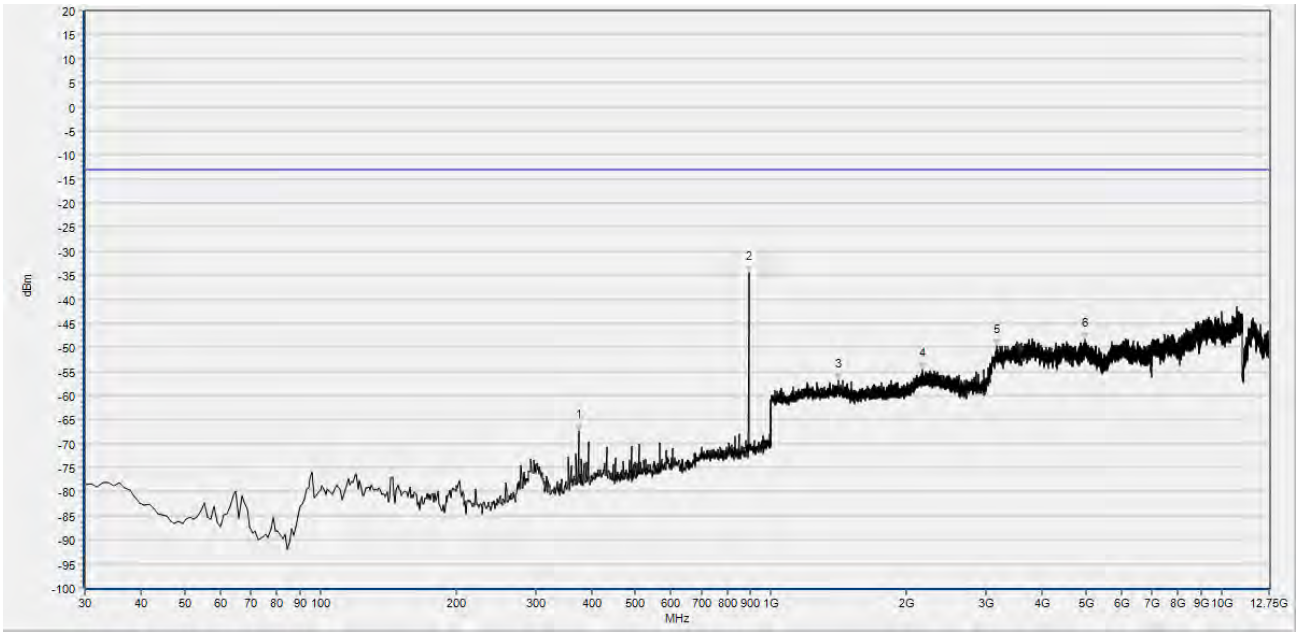
(PlotE16: EVDO A BC0 Channel = 384, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	95.960	-76.10	-13.00	Vertical	PASS
2	836.070	-60.57	-13.00	Vertical	PASS
3	881.660	-36.76	-13.00	Vertical	PASS
4	1521.168	-57.02	-13.00	Vertical	PASS
5	2230.572	-54.67	-13.00	Vertical	PASS
6	3164.812	-49.86	-13.00	Vertical	PASS



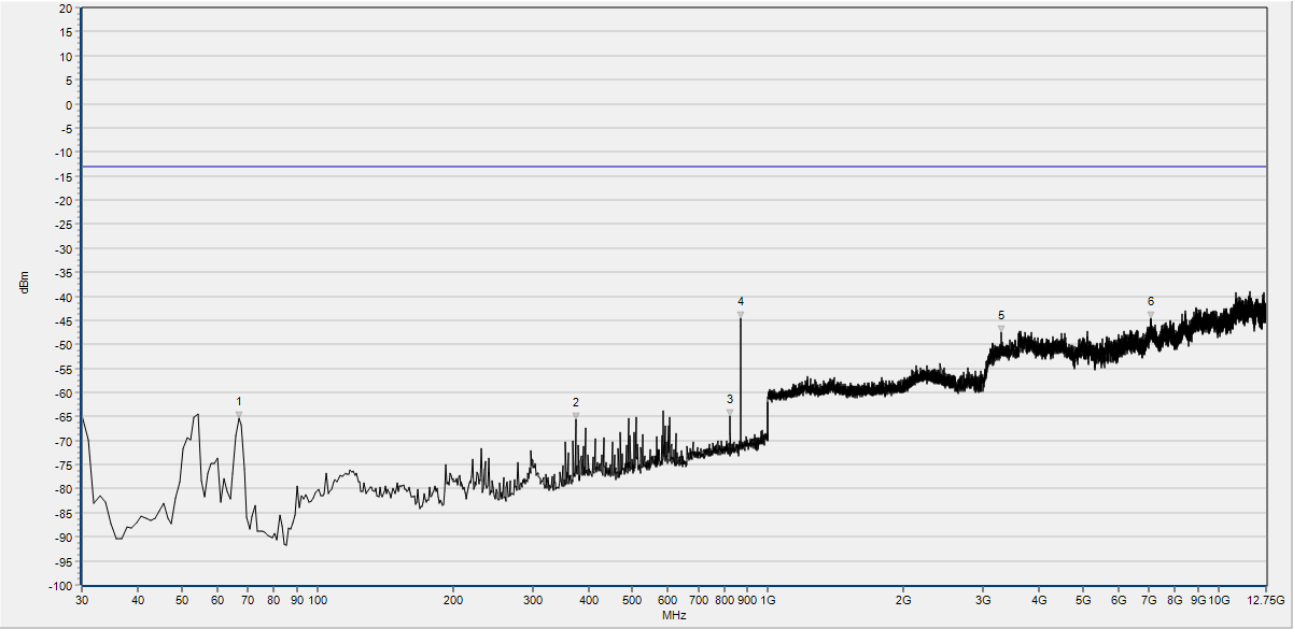
(Plot E17: EVDO A BC0 Channel = 777, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	115.360	-75.72	-13.00	Horizontal	PASS
2	893.300	-39.76	-13.00	Horizontal	PASS
3	2233.133	-54.75	-13.00	Horizontal	PASS
4	3888.362	-48.23	-13.00	Horizontal	PASS
5	4986.607	-47.52	-13.00	Horizontal	PASS
6	9230.078	-43.66	-13.00	Horizontal	PASS



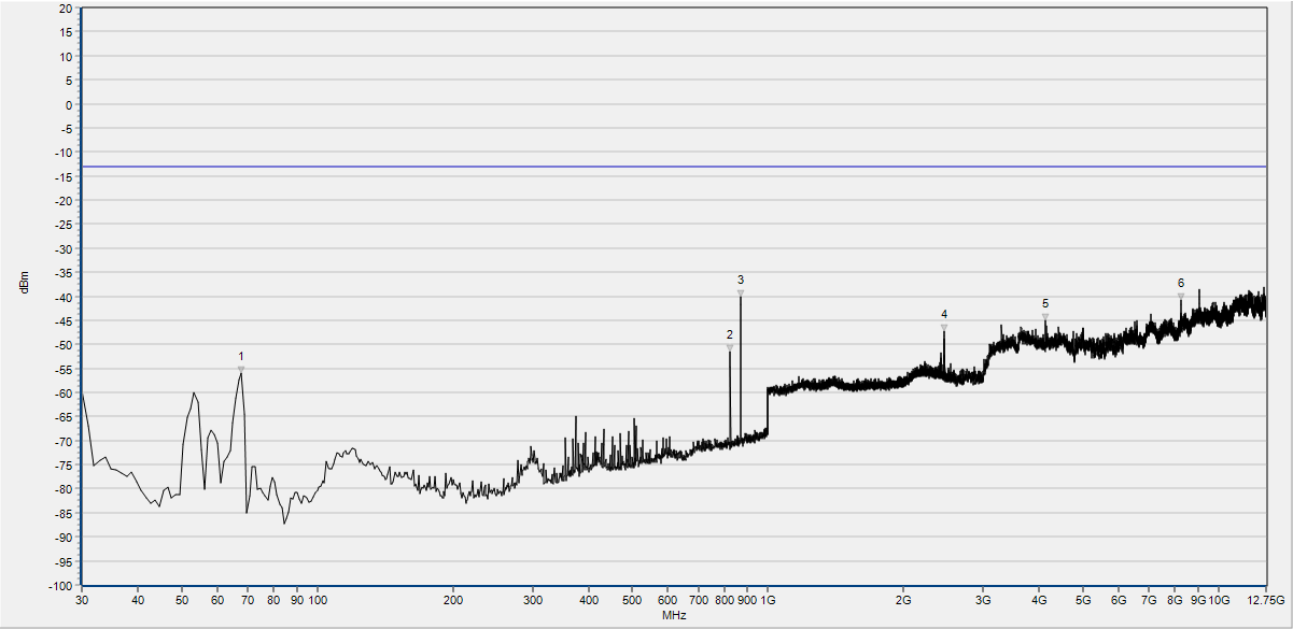
(Plot E18: EVDO A BC0 Channel = 777, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	374.350	-67.42	-13.00	Vertical	PASS
2	894.270	-34.63	-13.00	Vertical	PASS
3	1408.483	-56.91	-13.00	Vertical	PASS
4	2170.388	-54.65	-13.00	Vertical	PASS
5	3172.195	-49.77	-13.00	Vertical	PASS
6	4982.915	-48.42	-13.00	Vertical	PASS



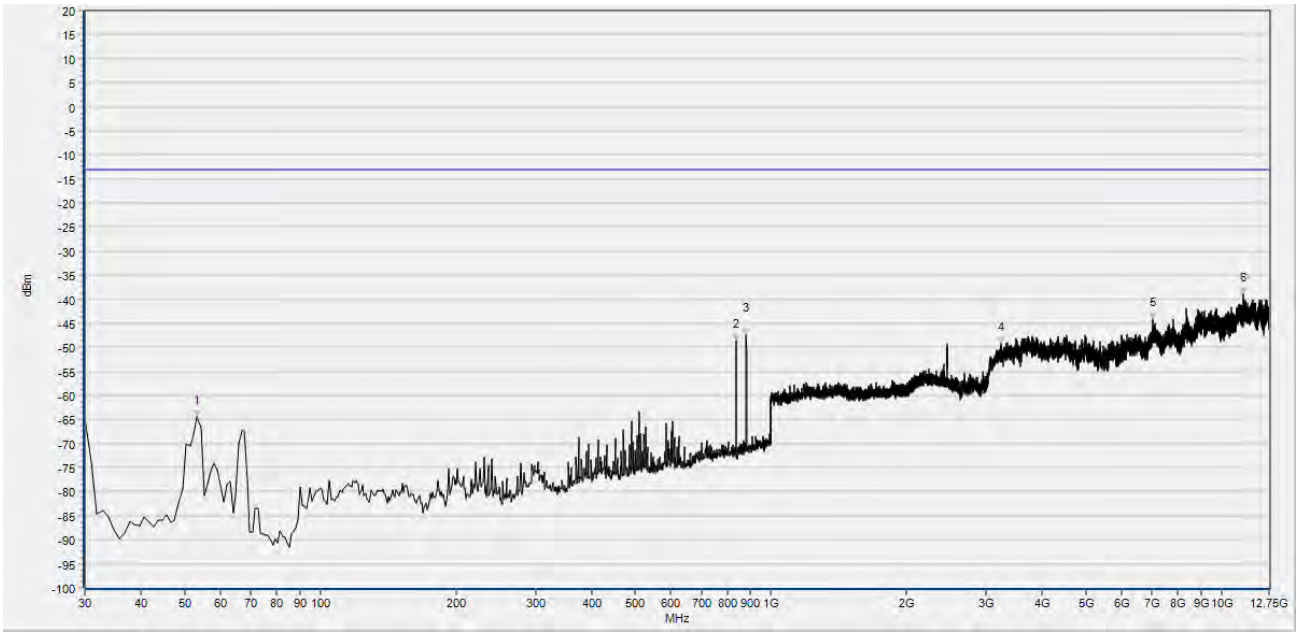
(Plot E19: EVDO B BC0 Channel = 1013, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	66.860	-65.41	-13.00	Horizontal	PASS
2	374.350	-65.70	-13.00	Horizontal	PASS
3	824.430	-64.87	-13.00	Horizontal	PASS
4	869.050	-44.60	-13.00	Horizontal	PASS
5	3297.709	-47.59	-13.00	Horizontal	PASS
6	7057.583	-44.57	-13.00	Horizontal	PASS



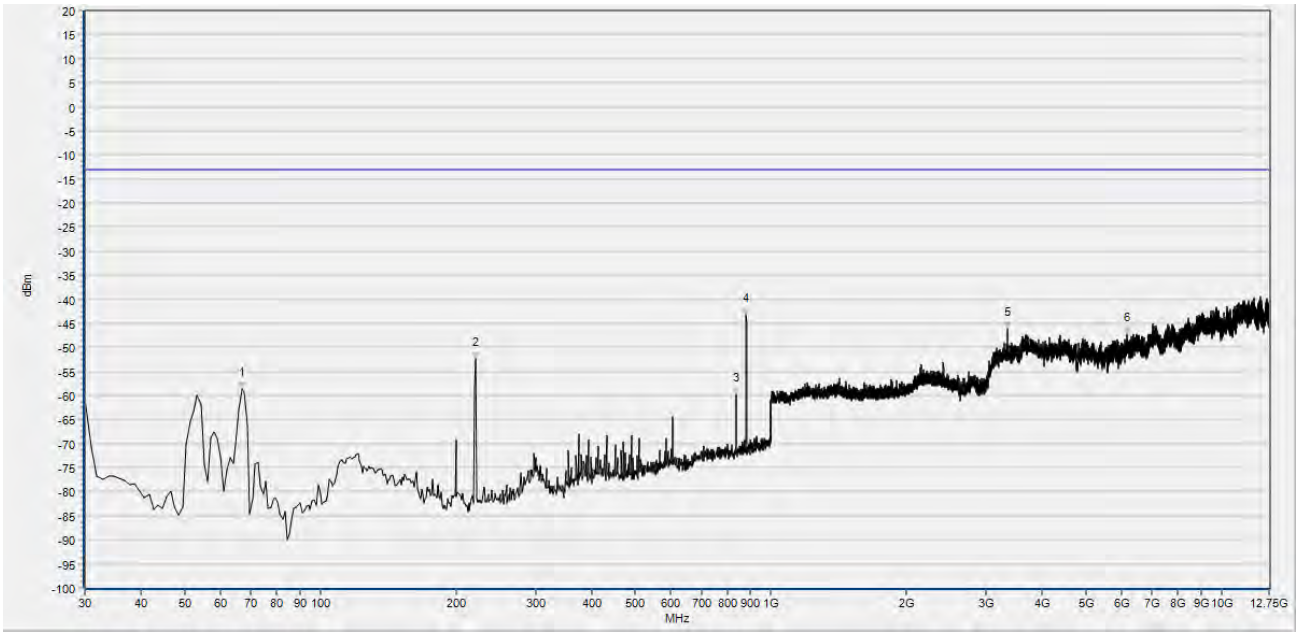
(Plot E20: EVDO B BC0 Channel = 1013, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	67.830	-55.91	-13.00	Vertical	PASS
2	824.430	-51.59	-13.00	Vertical	PASS
3	870.020	-40.07	-13.00	Vertical	PASS
4	2461.064	-47.20	-13.00	Vertical	PASS
5	4128.314	-45.13	-13.00	Vertical	PASS
6	8251.809	-40.83	-13.00	Vertical	PASS



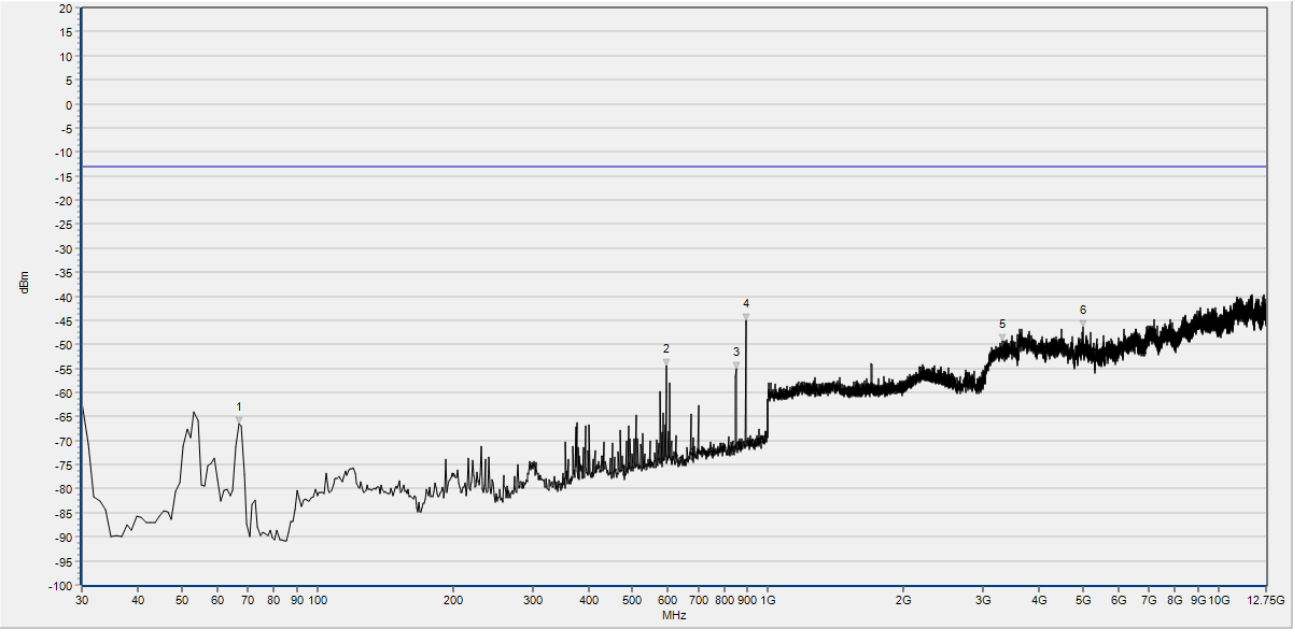
(Plot E21: EVDO B BC0 Channel = 384, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	53.280	-64.40	-13.00	Horizontal	PASS
2	836.070	-48.59	-13.00	Horizontal	PASS
3	880.690	-47.56	-13.00	Horizontal	PASS
4	3231.260	-49.29	-13.00	Horizontal	PASS
5	7044.663	-44.17	-13.00	Horizontal	PASS
6	11195.845	-38.95	-13.00	Horizontal	PASS



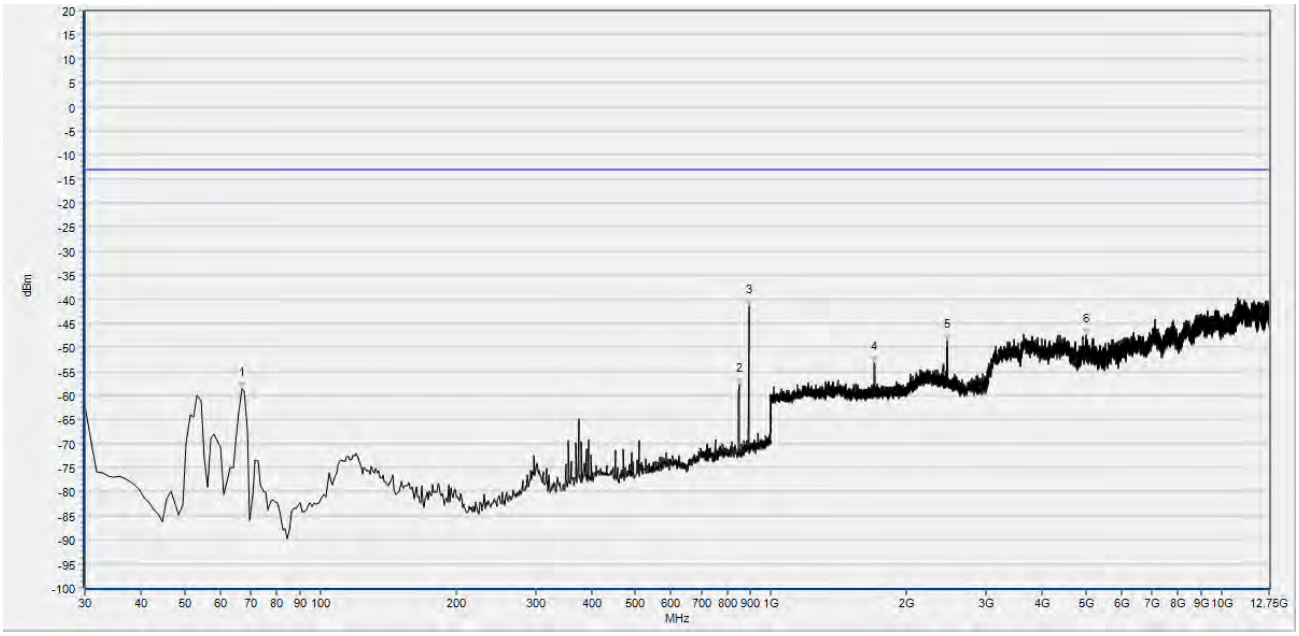
(PlotE22: EVDO B BC0 Channel = 384, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	66.860	-58.56	-13.00	Vertical	PASS
2	221.090	-52.40	-13.00	Vertical	PASS
3	836.070	-59.86	-13.00	Vertical	PASS
4	880.690	-43.28	-13.00	Vertical	PASS
5	3347.545	-46.17	-13.00	Vertical	PASS
6	6177.141	-47.30	-13.00	Vertical	PASS



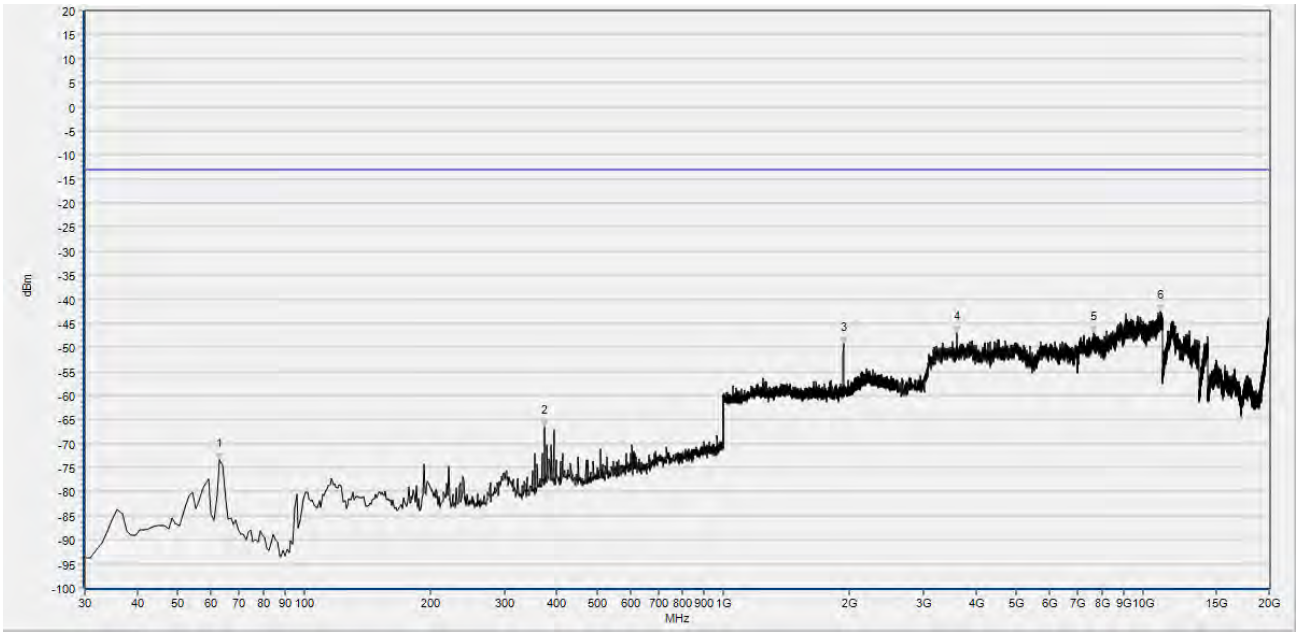
(Plot E23: EVDO B BC0 Channel = 777, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	66.860	-66.57	-13.00	Horizontal	PASS
2	594.540	-54.38	-13.00	Horizontal	PASS
3	848.680	-55.07	-13.00	Horizontal	PASS
4	893.300	-45.03	-13.00	Horizontal	PASS
5	3305.092	-49.25	-13.00	Horizontal	PASS
6	4995.836	-46.32	-13.00	Horizontal	PASS



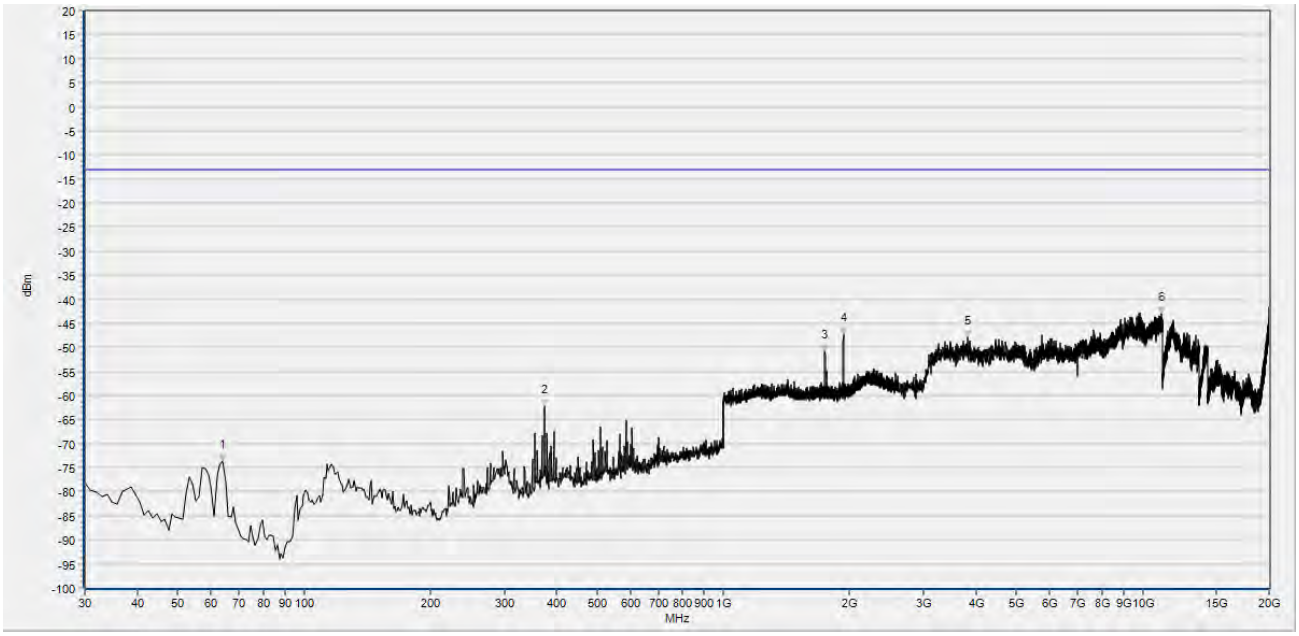
(Plot E24: EVDO B BC0 Channel = 777, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	66.860	-58.76	-13.00	Vertical	PASS
2	848.680	-57.85	-13.00	Vertical	PASS
3	893.300	-41.37	-13.00	Vertical	PASS
4	1697.239	-53.40	-13.00	Vertical	PASS
5	2463.625	-48.61	-13.00	Vertical	PASS
6	5006.910	-47.56	-13.00	Vertical	PASS



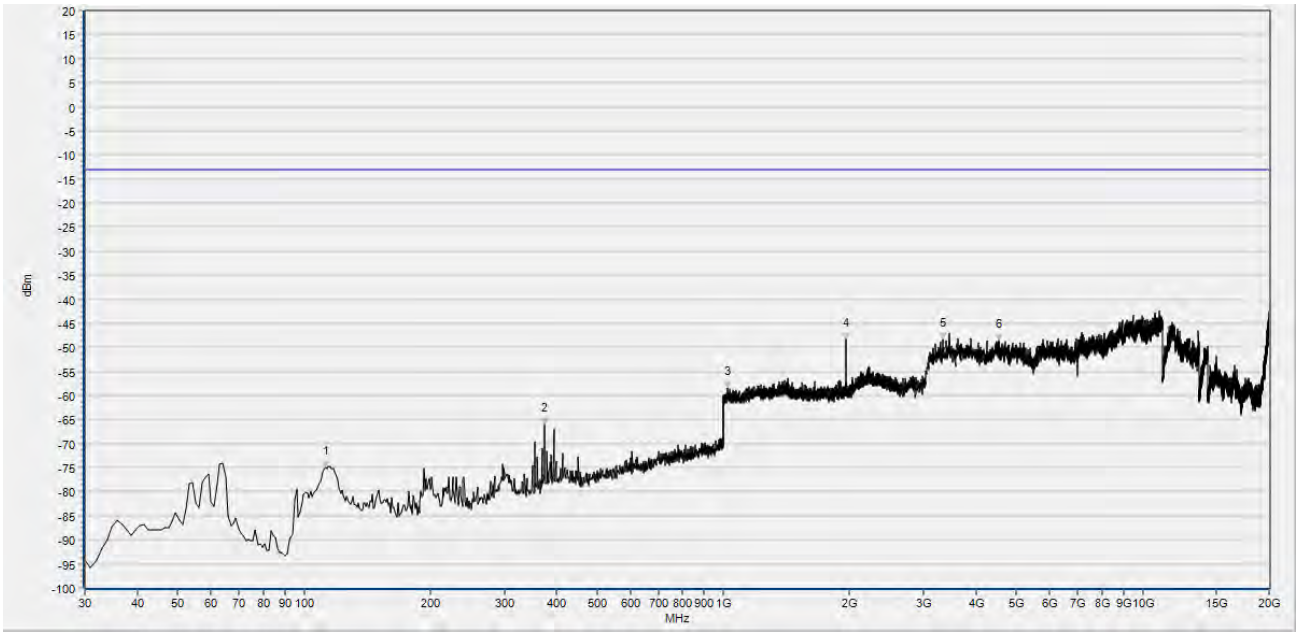
(Plot E25: CDMA BC1 Channel = 25, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	62.980	-73.48	-13.00	Horizontal	PASS
2	374.350	-66.52	-13.00	Horizontal	PASS
3	1931.573	-49.35	-13.00	Horizontal	PASS
4	3603.055	-46.95	-13.00	Horizontal	PASS
5	7615.276	-47.09	-13.00	Horizontal	PASS
6	11007.310	-42.49	-13.00	Horizontal	PASS



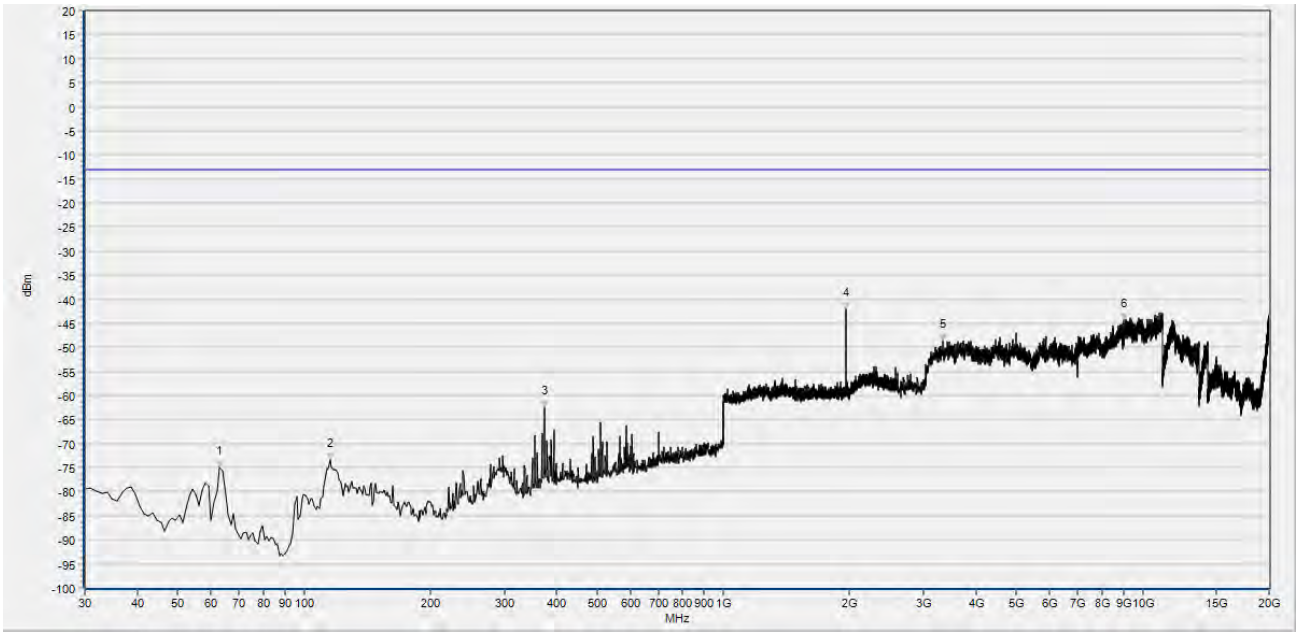
(Plot E26: CDMA BC1 Channel = 25, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	63.950	-73.58	-13.00	Vertical	PASS
2	374.350	-62.15	-13.00	Vertical	PASS
3	1745.898	-50.82	-13.00	Vertical	PASS
4	1931.573	-47.26	-13.00	Vertical	PASS
5	3815.057	-48.00	-13.00	Vertical	PASS
6	11061.102	-43.02	-13.00	Vertical	PASS



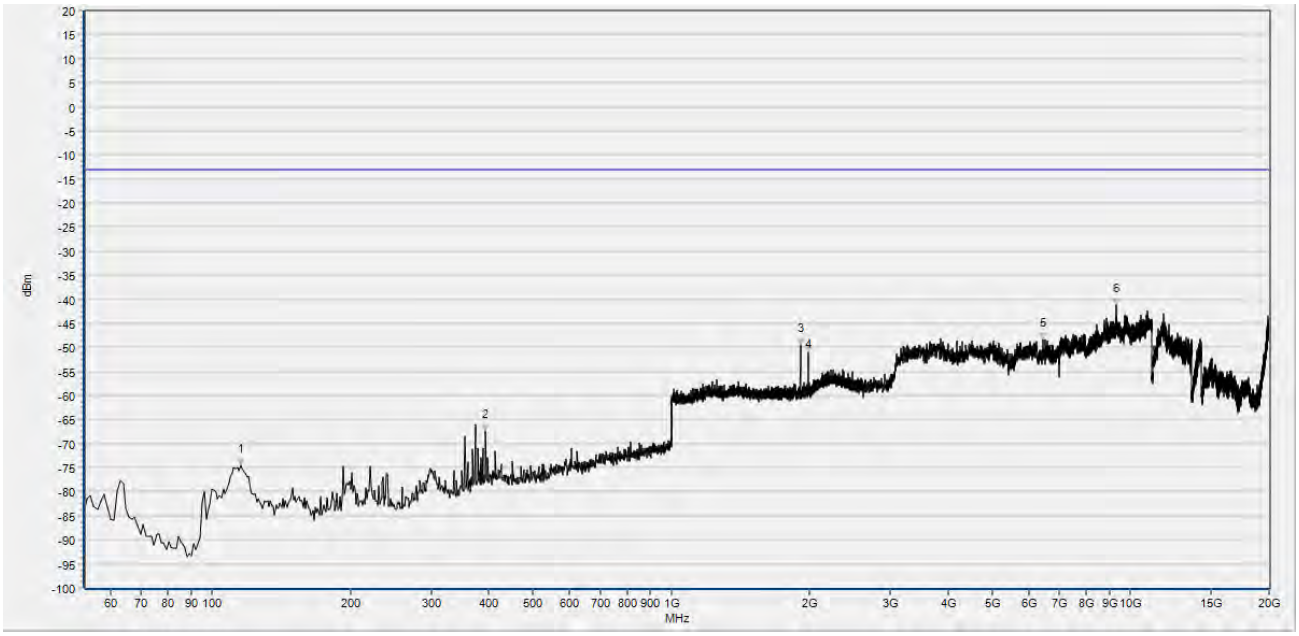
(Plot E27: CDMA BC1 Channel = 600, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	112.450	-74.88	-13.00	Horizontal	PASS
2	374.350	-65.96	-13.00	Horizontal	PASS
3	1021.769	-58.54	-13.00	Horizontal	PASS
4	1959.744	-48.29	-13.00	Horizontal	PASS
5	3330.933	-48.49	-13.00	Horizontal	PASS
6	4523.841	-48.62	-13.00	Horizontal	PASS



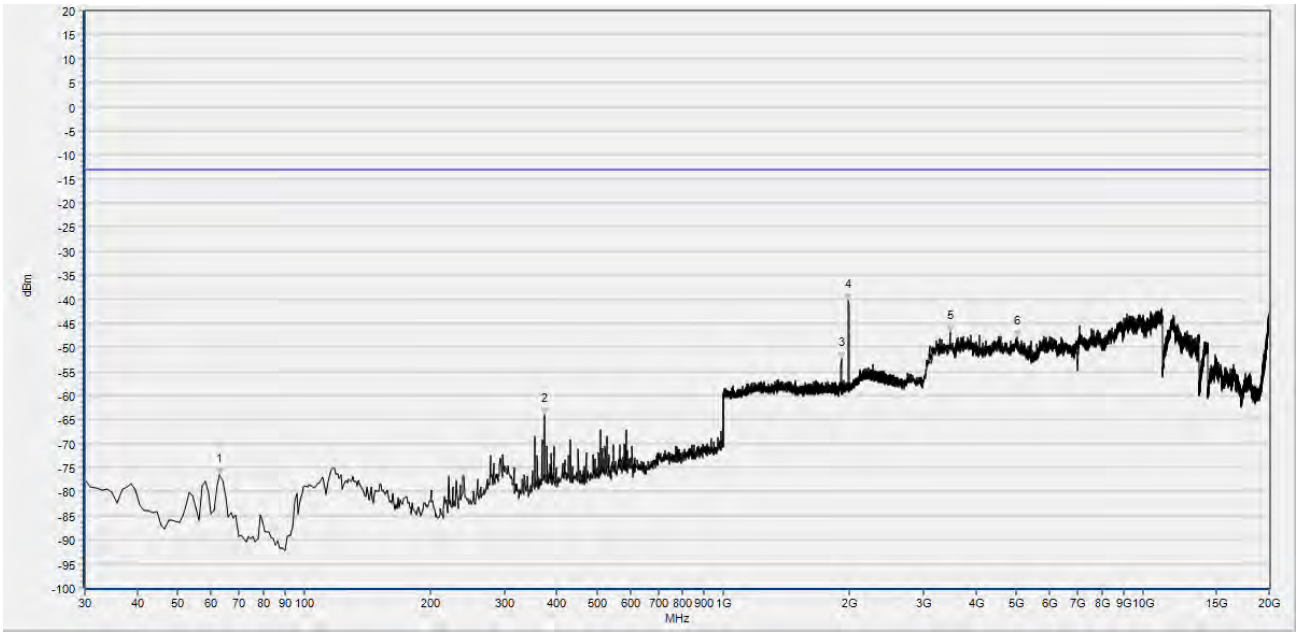
(PlotE28: CDMA BC1 Channel = 600, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	62.980	-75.07	-13.00	Vertical	PASS
2	115.360	-73.44	-13.00	Vertical	PASS
3	374.350	-62.37	-13.00	Vertical	PASS
4	1959.744	-42.22	-13.00	Vertical	PASS
5	3334.097	-48.53	-13.00	Vertical	PASS
6	8988.543	-44.41	-13.00	Vertical	PASS



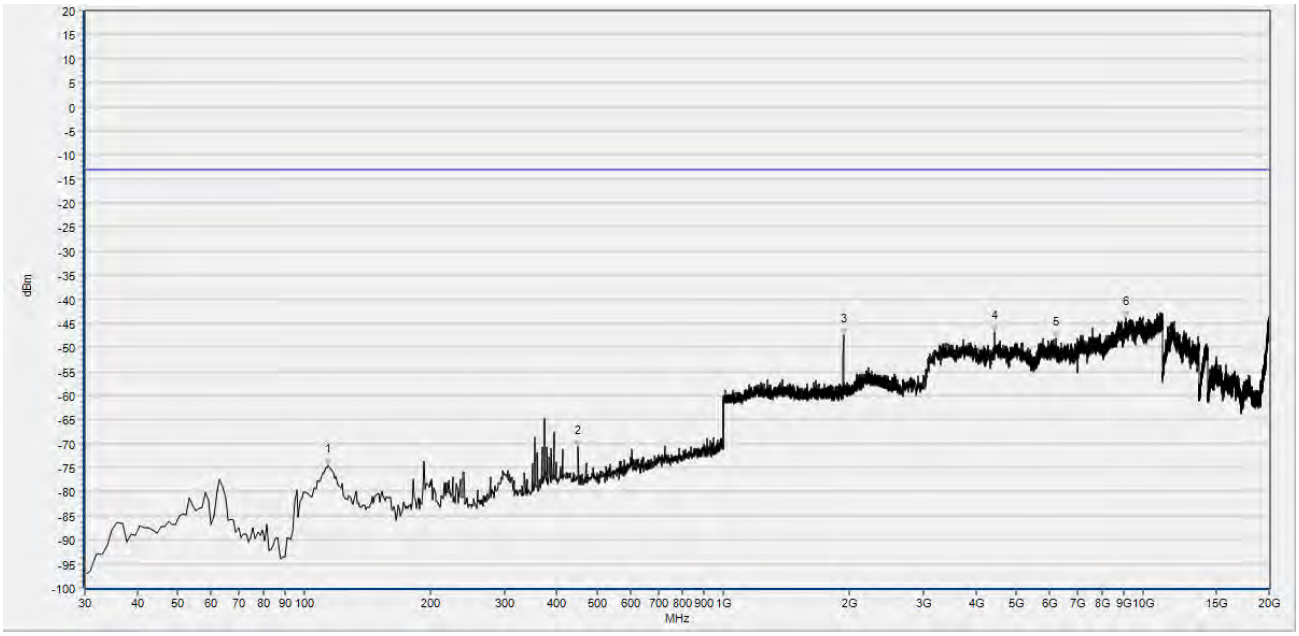
(Plot E29: CDMA BC1 Channel = 1175, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	115.360	-74.43	-13.00	Horizontal	PASS
2	393.750	-67.31	-13.00	Horizontal	PASS
3	1909.164	-49.46	-13.00	Horizontal	PASS
4	1988.555	-50.96	-13.00	Horizontal	PASS
5	6454.010	-48.46	-13.00	Horizontal	PASS
6	9323.950	-41.31	-13.00	Horizontal	PASS



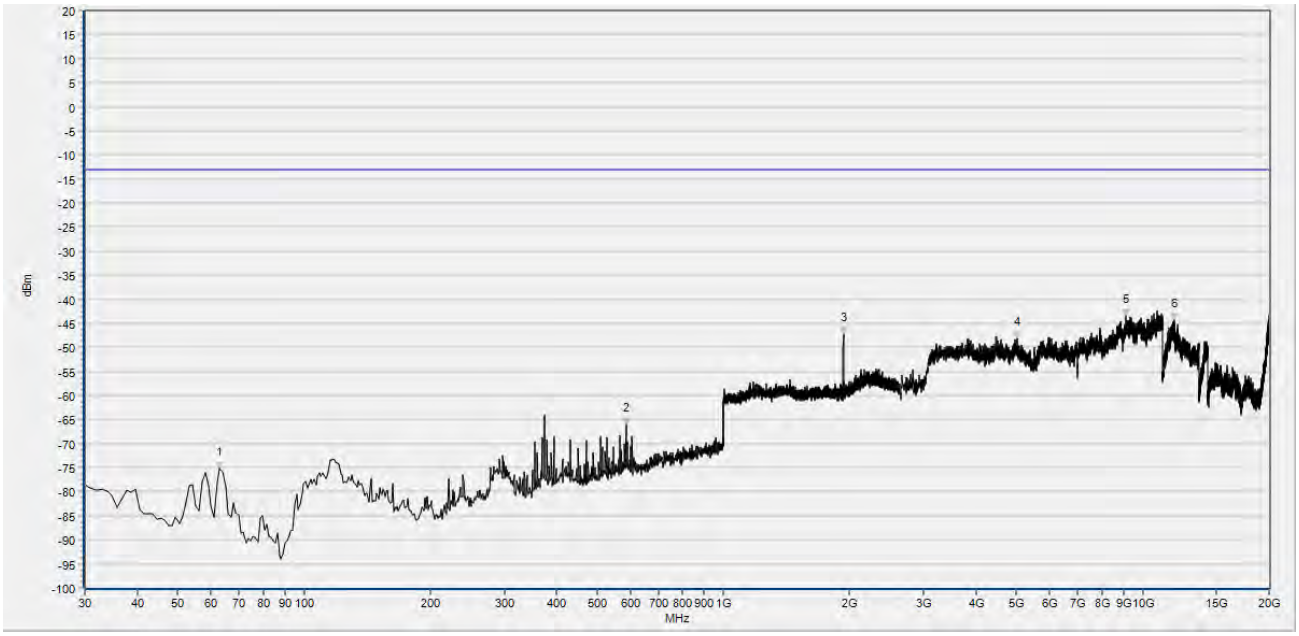
(Plot E30: CDMA BC1 Channel = 1175, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	62.980	-76.64	-13.00	Vertical	PASS
2	374.350	-63.92	-13.00	Vertical	PASS
3	1908.523	-52.44	-13.00	Vertical	PASS
4	1988.555	-40.24	-13.00	Vertical	PASS
5	3466.994	-46.89	-13.00	Vertical	PASS
6	5011.129	-48.03	-13.00	Vertical	PASS



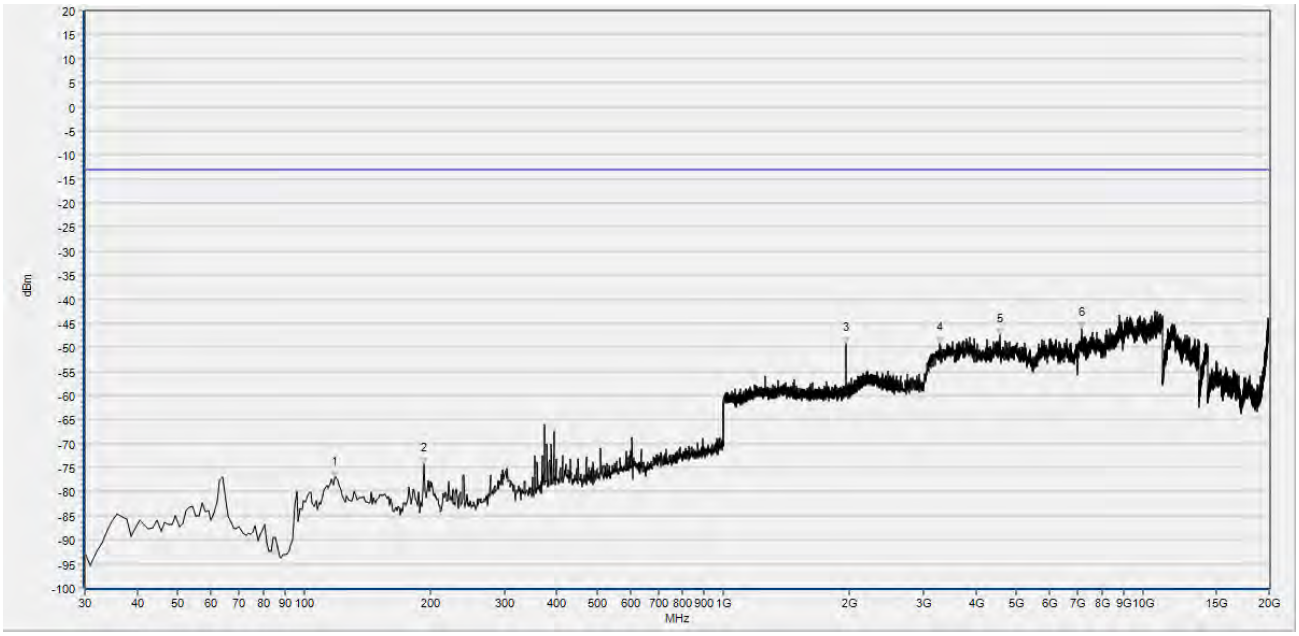
(Plot E31: EVDO 0 BC1 Channel = 25, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	114.390	-74.57	-13.00	Horizontal	PASS
2	450.980	-70.77	-13.00	Horizontal	PASS
3	1931.573	-47.39	-13.00	Horizontal	PASS
4	4432.079	-46.93	-13.00	Horizontal	PASS
5	6200.873	-48.07	-13.00	Horizontal	PASS
6	9086.634	-43.94	-13.00	Horizontal	PASS



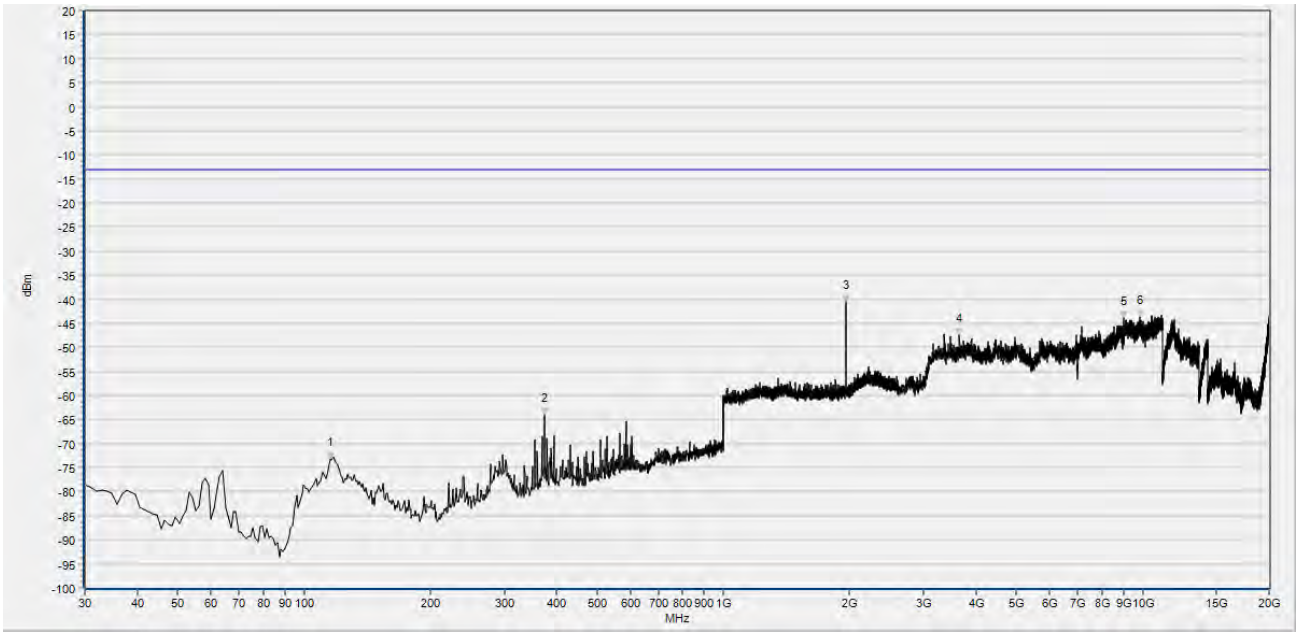
(Plot E32: EVDO 0 BC1 Channel = 25, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	62.980	-75.27	-13.00	Vertical	PASS
2	585.810	-65.95	-13.00	Vertical	PASS
3	1931.573	-47.25	-13.00	Vertical	PASS
4	5017.458	-48.11	-13.00	Vertical	PASS
5	9102.455	-43.52	-13.00	Vertical	PASS
6	11858.483	-44.40	-13.00	Vertical	PASS



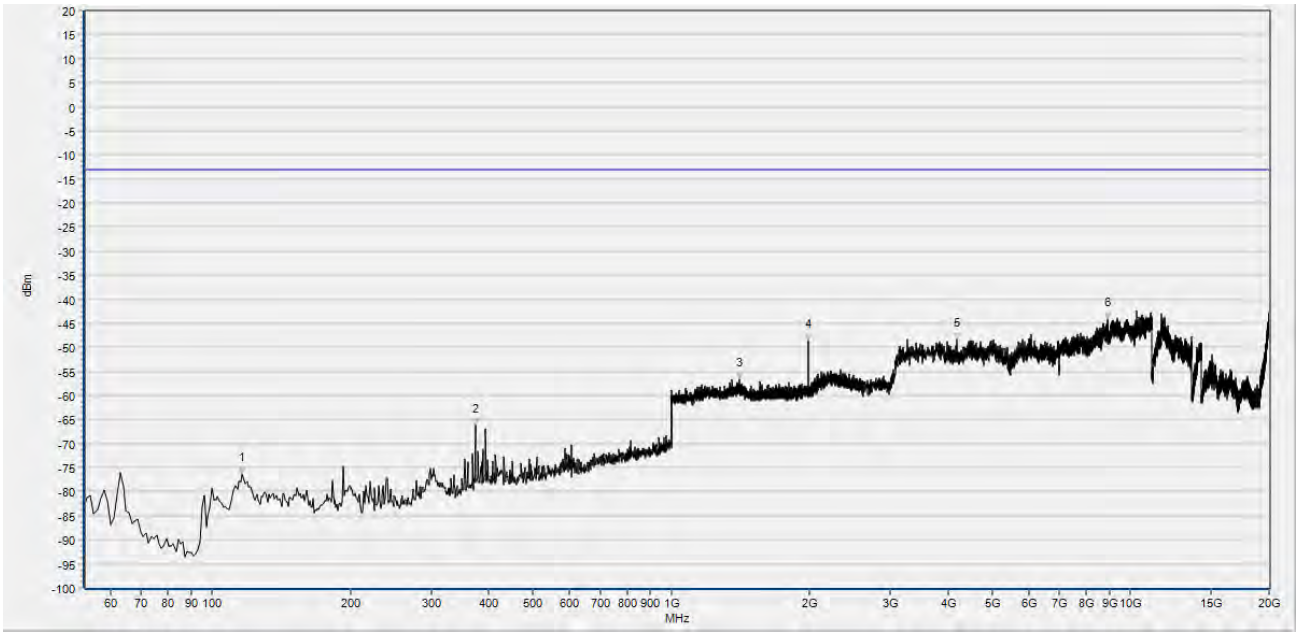
(Plot E33: EVDO 0 BC1 Channel = 600, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	118.270	-77.31	-13.00	Horizontal	PASS
2	192.960	-74.26	-13.00	Horizontal	PASS
3	1959.744	-49.38	-13.00	Horizontal	PASS
4	3283.470	-49.27	-13.00	Horizontal	PASS
5	4558.647	-47.60	-13.00	Horizontal	PASS
6	7140.644	-46.25	-13.00	Horizontal	PASS



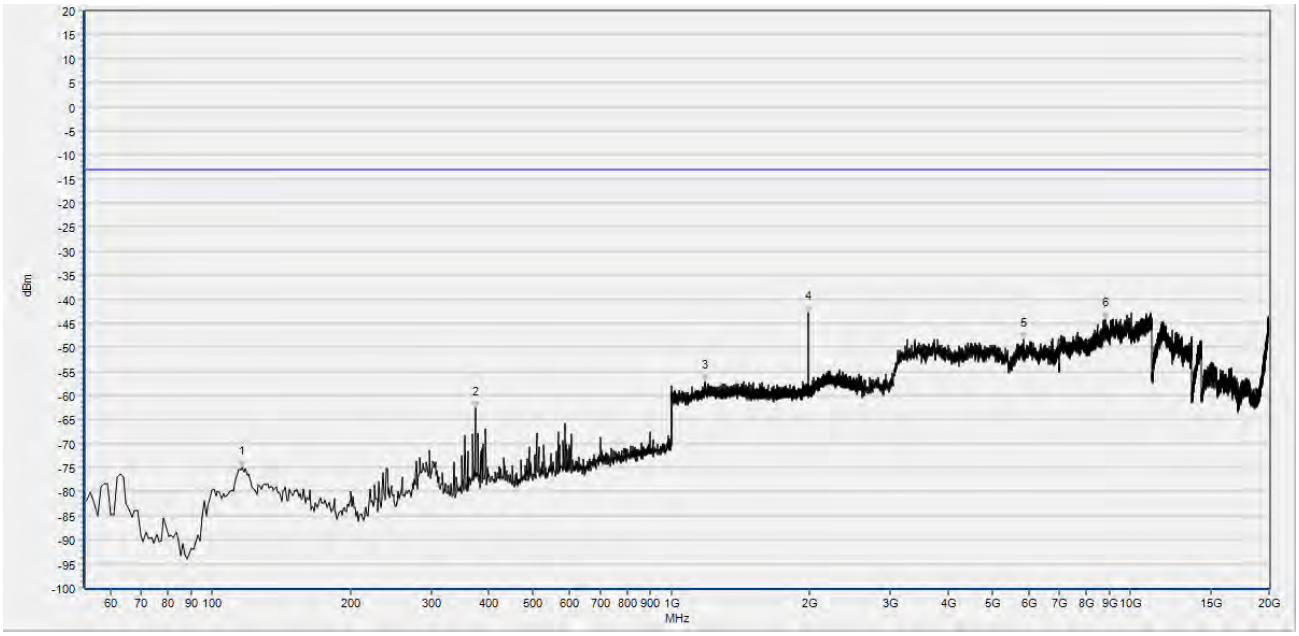
(PlotE34: EVDO 0 BC1 Channel = 600, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	115.360	-73.24	-13.00	Vertical	PASS
2	374.350	-63.94	-13.00	Vertical	PASS
3	1959.744	-40.59	-13.00	Vertical	PASS
4	3653.682	-47.57	-13.00	Vertical	PASS
5	9010.693	-43.96	-13.00	Vertical	PASS
6	9846.045	-43.77	-13.00	Vertical	PASS



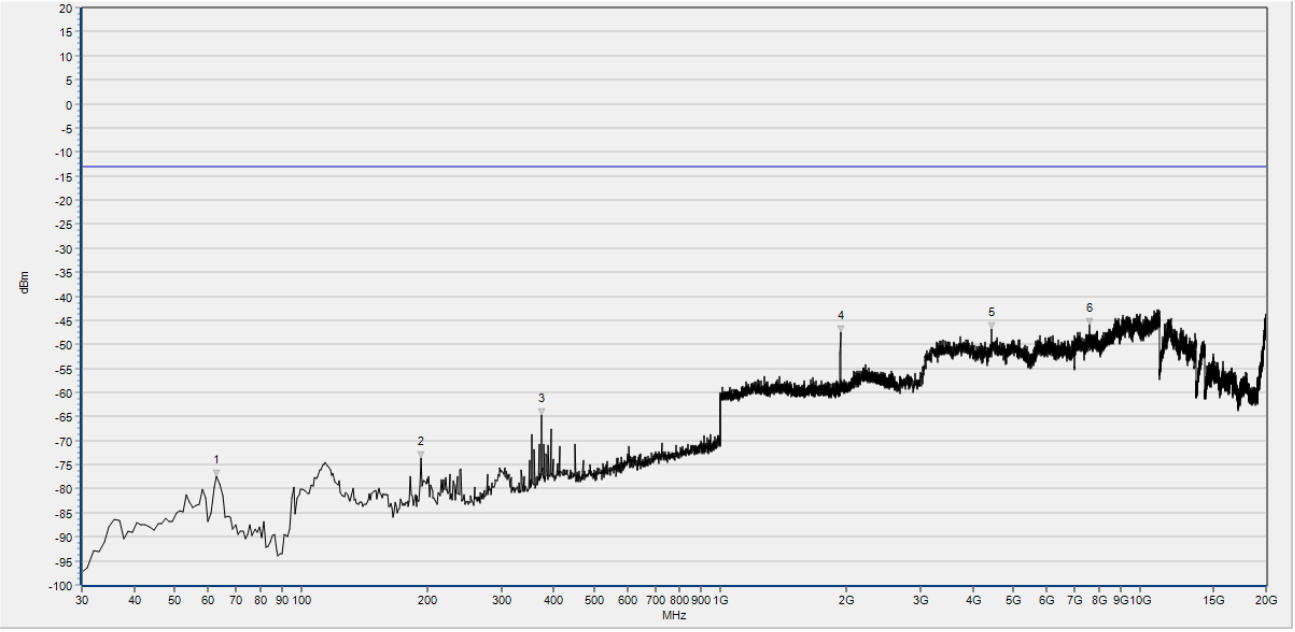
(Plot E35: EVDO 0 BC1 Channel = 1175, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	116.330	-76.33	-13.00	Horizontal	PASS
2	374.350	-66.23	-13.00	Horizontal	PASS
3	1406.563	-56.75	-13.00	Horizontal	PASS
4	1988.555	-48.69	-13.00	Horizontal	PASS
5	4188.434	-48.31	-13.00	Horizontal	PASS
6	8918.931	-44.24	-13.00	Horizontal	PASS



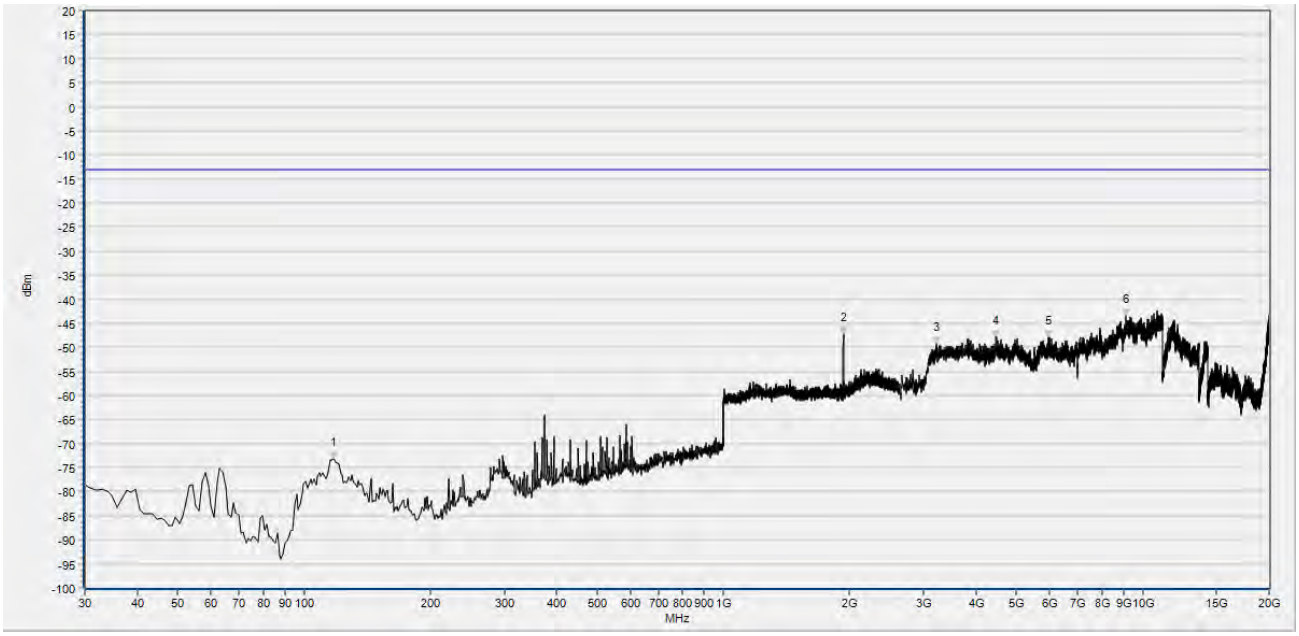
(Plot E36: EVDO 0 BC1 Channel = 1175, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	116.330	-74.98	-13.00	Vertical	PASS
2	374.350	-62.62	-13.00	Vertical	PASS
3	1181.192	-57.07	-13.00	Vertical	PASS
4	1988.555	-42.82	-13.00	Vertical	PASS
5	5859.138	-48.49	-13.00	Vertical	PASS
6	8833.497	-44.18	-13.00	Vertical	PASS



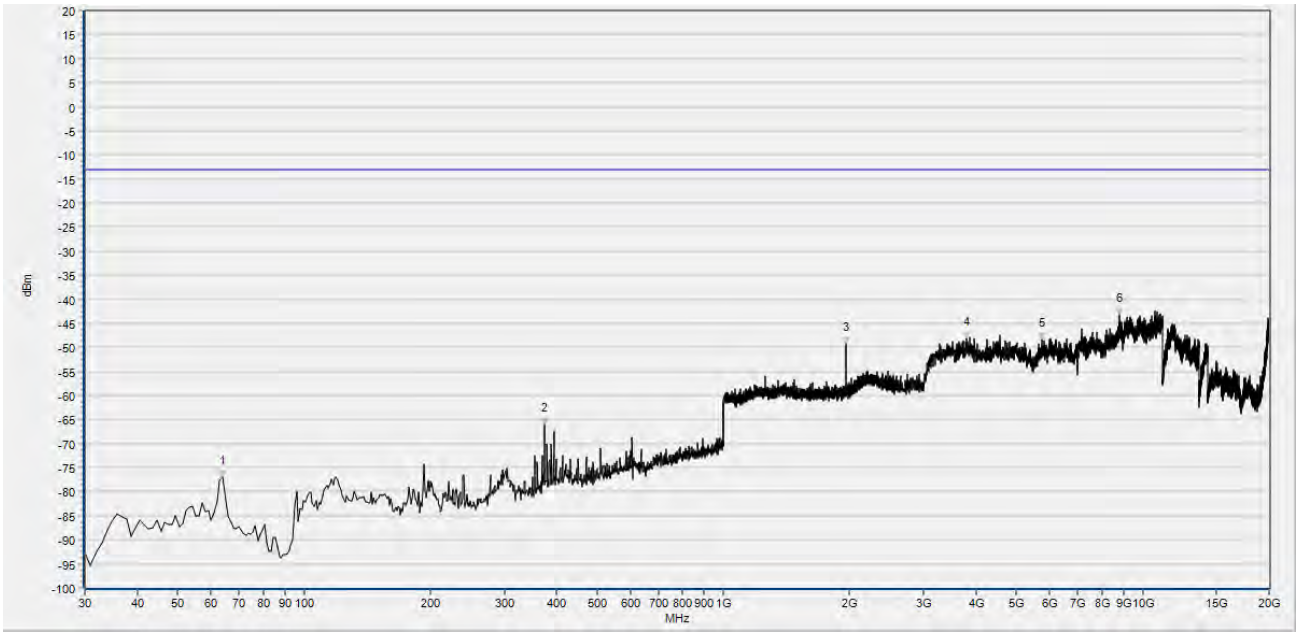
(Plot E37: EVDO A BC1 Channel = 25, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	62.980	-77.37	-13.00	Horizontal	PASS
2	192.960	-73.52	-13.00	Horizontal	PASS
3	374.350	-64.71	-13.00	Horizontal	PASS
4	1931.573	-47.39	-13.00	Horizontal	PASS
5	4432.079	-46.93	-13.00	Horizontal	PASS
6	7577.305	-46.02	-13.00	Horizontal	PASS



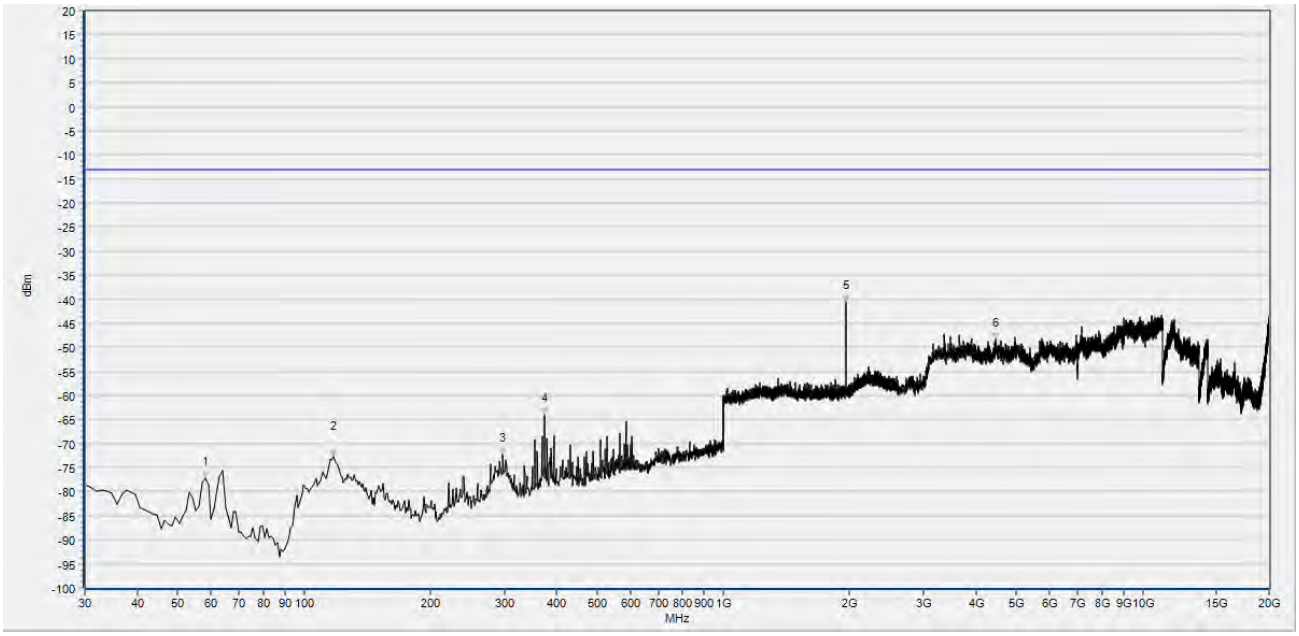
(Plot E38: EVDO A BC1 Channel = 25, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	117.300	-73.23	-13.00	Vertical	PASS
2	1931.573	-47.25	-13.00	Vertical	PASS
3	3210.693	-49.37	-13.00	Vertical	PASS
4	4466.885	-47.98	-13.00	Vertical	PASS
5	5957.229	-47.86	-13.00	Vertical	PASS
6	9102.455	-43.52	-13.00	Vertical	PASS



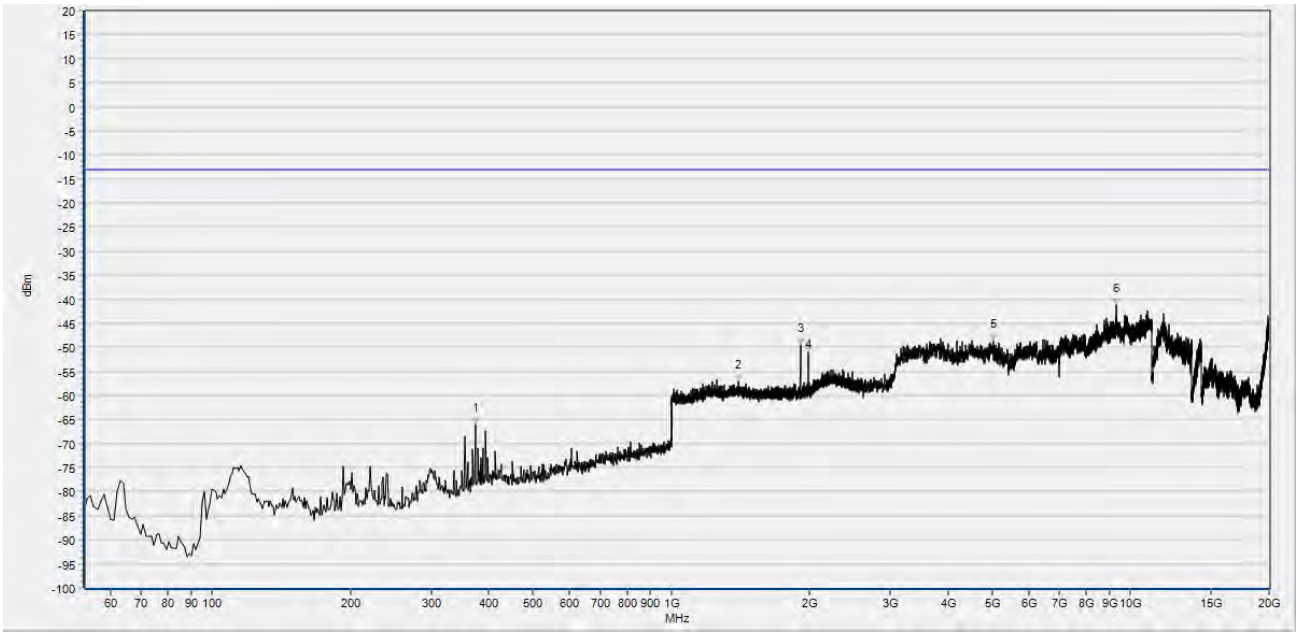
(Plot E39: EVDO A BC1 Channel = 600, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	63.950	-77.04	-13.00	Horizontal	PASS
2	374.350	-65.93	-13.00	Horizontal	PASS
3	1959.744	-49.38	-13.00	Horizontal	PASS
4	3805.565	-48.06	-13.00	Horizontal	PASS
5	5745.226	-48.45	-13.00	Horizontal	PASS
6	8789.198	-43.20	-13.00	Horizontal	PASS



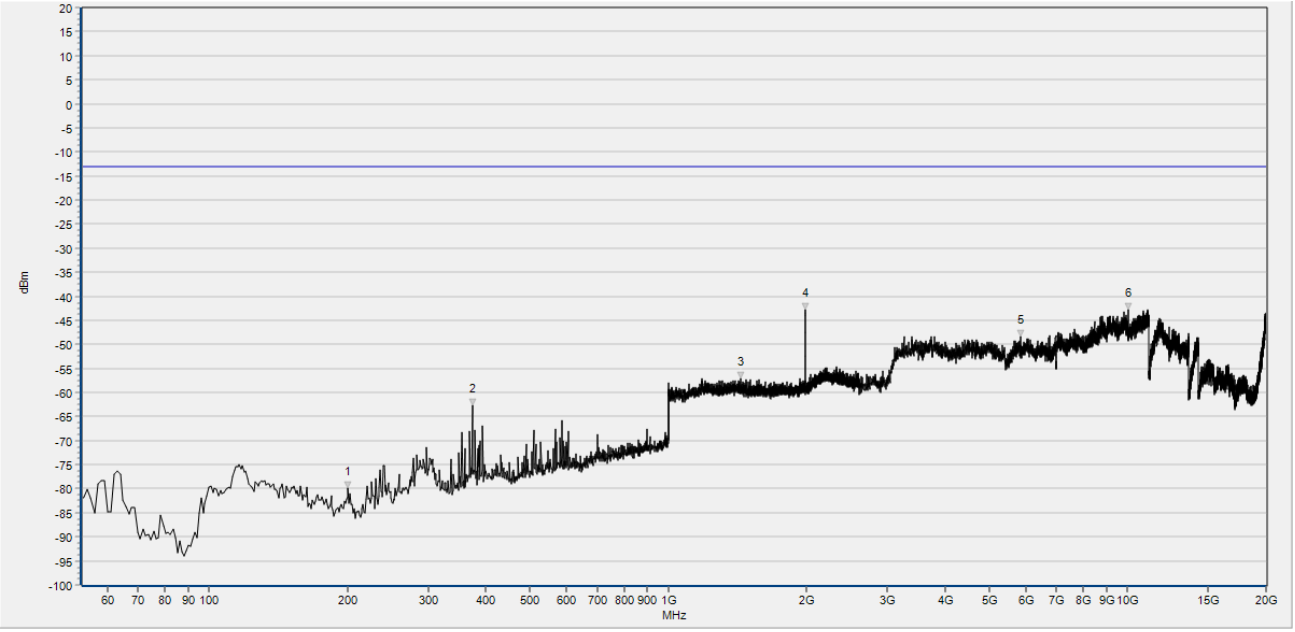
(PlotE40: EVDO A BC1 Channel = 600, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	58.130	-77.23	-13.00	Vertical	PASS
2	117.300	-72.72	-13.00	Vertical	PASS
3	297.720	-72.21	-13.00	Vertical	PASS
4	374.350	-63.94	-13.00	Vertical	PASS
5	1959.744	-40.59	-13.00	Vertical	PASS
6	4466.885	-48.47	-13.00	Vertical	PASS



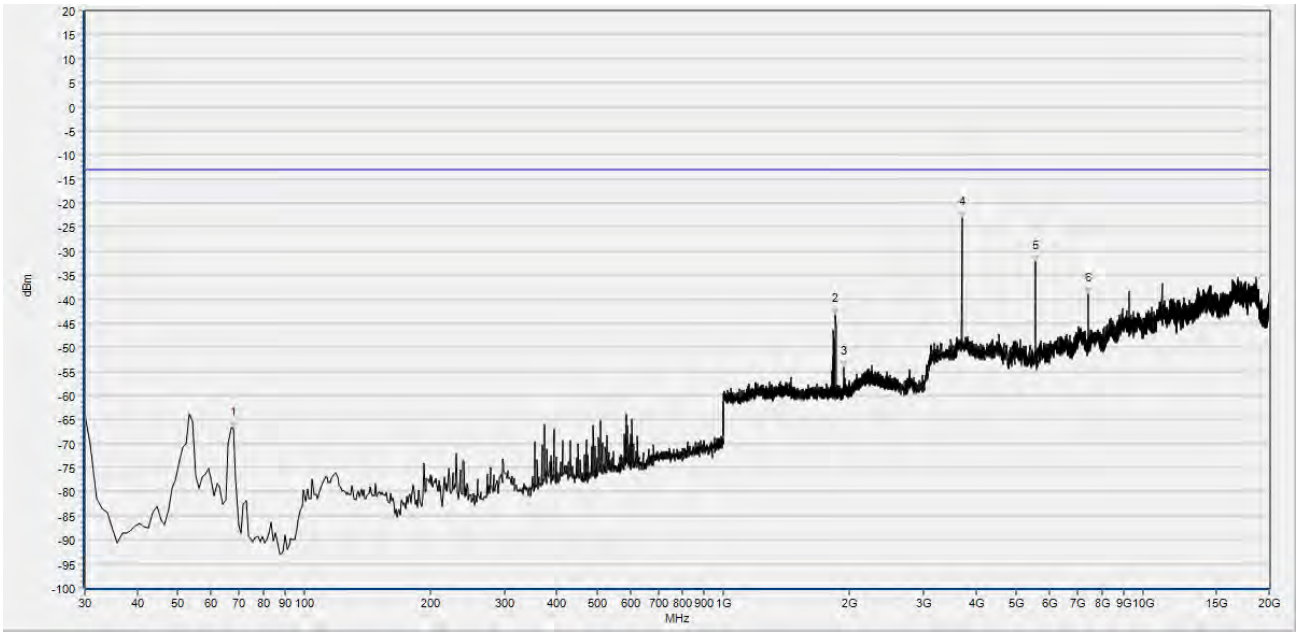
(Plot E41: EVDO A BC1 Channel =1175, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	374.350	-66.01	-13.00	Horizontal	PASS
2	1401.441	-57.01	-13.00	Horizontal	PASS
3	1909.164	-49.46	-13.00	Horizontal	PASS
4	1988.555	-50.96	-13.00	Horizontal	PASS
5	5023.786	-48.67	-13.00	Horizontal	PASS
6	9323.950	-41.31	-13.00	Horizontal	PASS



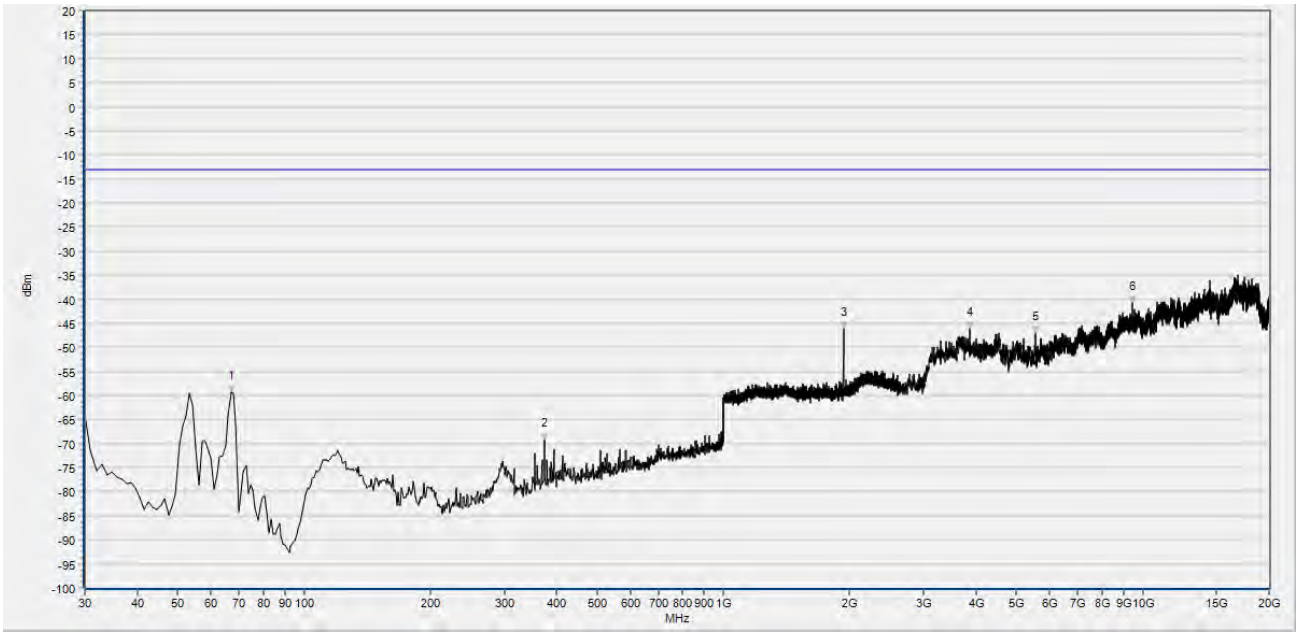
(Plot E42: EVDO A BC1 Channel = 1175, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	200.720	-79.98	-13.00	Vertical	PASS
2	374.350	-62.62	-13.00	Vertical	PASS
3	1435.374	-57.18	-13.00	Vertical	PASS
4	1988.555	-42.82	-13.00	Vertical	PASS
5	5859.138	-48.49	-13.00	Vertical	PASS
6	10010.584	-42.73	-13.00	Vertical	PASS



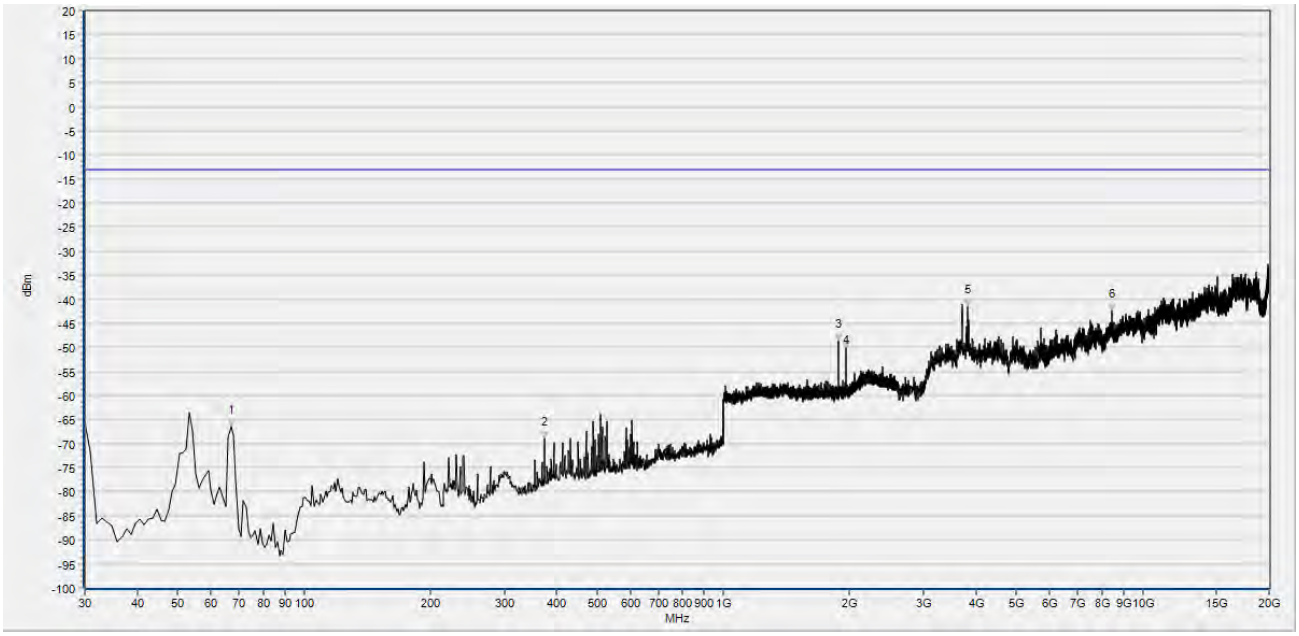
(Plot E43: EVDO B BC1 Channel = 25, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	67.830	-67.02	-13.00	Horizontal	PASS
2	1851.541	-43.34	-13.00	Horizontal	PASS
3	1932.213	-54.08	-13.00	Horizontal	PASS
4	3701.146	-23.04	-13.00	Horizontal	PASS
5	5552.209	-32.30	-13.00	Horizontal	PASS
6	7406.438	-39.05	-13.00	Horizontal	PASS



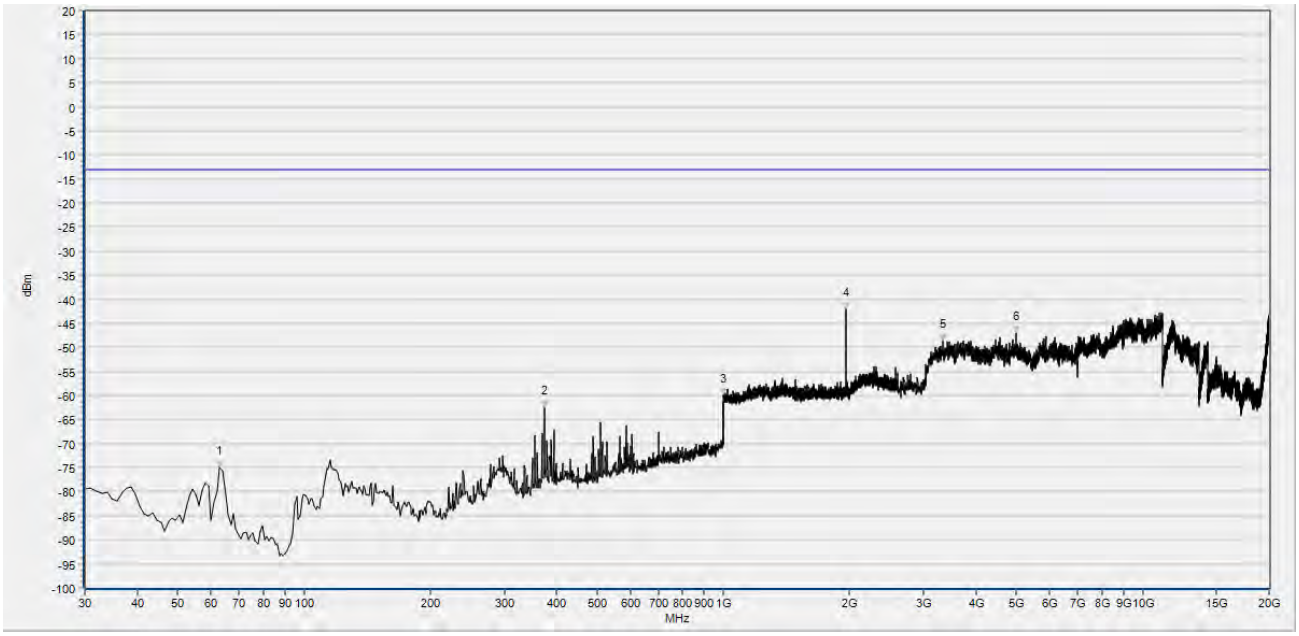
(Plot E44: EVDO B BC1 Channel = 25, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	66.860	-59.23	-13.00	Vertical	PASS
2	374.350	-69.23	-13.00	Vertical	PASS
3	1932.213	-46.07	-13.00	Vertical	PASS
4	3859.356	-46.06	-13.00	Vertical	PASS
5	5552.209	-47.09	-13.00	Vertical	PASS
6	9444.190	-40.88	-13.00	Vertical	PASS



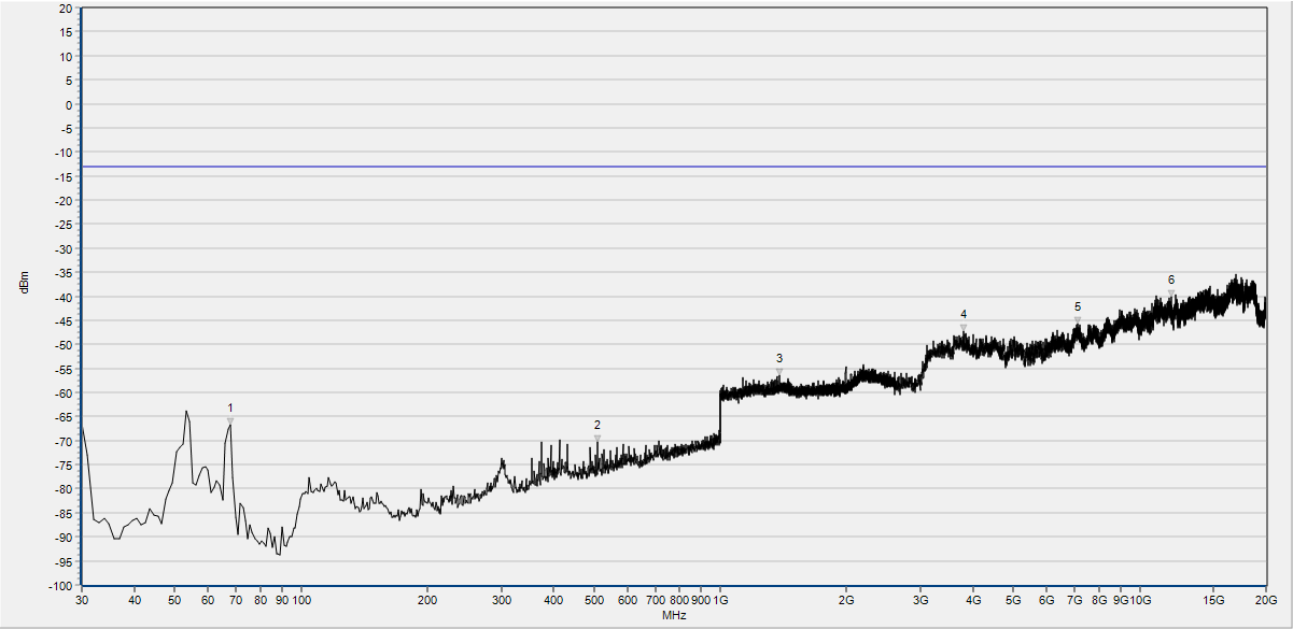
(Plot E45: EVDO B BC1 Channel = 600, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	66.860	-66.51	-13.00	Horizontal	PASS
2	374.350	-68.96	-13.00	Horizontal	PASS
3	1880.352	-48.62	-13.00	Horizontal	PASS
4	1960.384	-50.17	-13.00	Horizontal	PASS
5	3815.057	-41.44	-13.00	Horizontal	PASS
6	8441.135	-42.28	-13.00	Horizontal	PASS



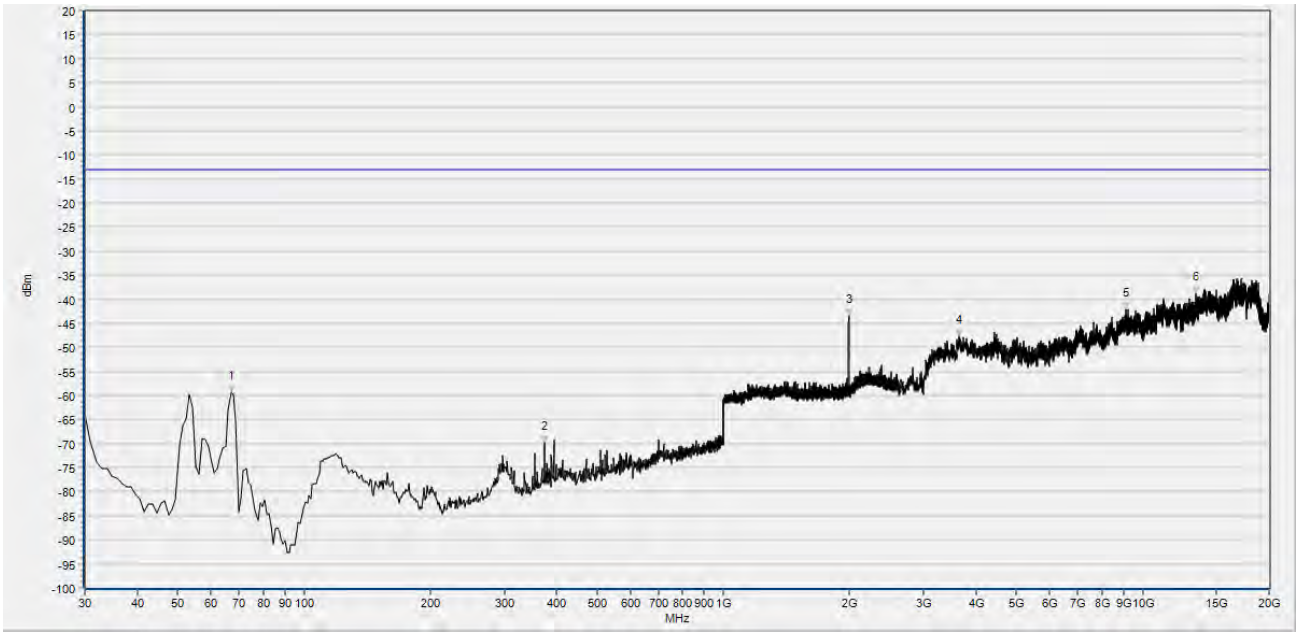
(PlotE46: EVDO B BC1 Channel = 600, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	62.980	-75.07	-13.00	Vertical	PASS
2	374.350	-62.37	-13.00	Vertical	PASS
3	1000.640	-60.03	-13.00	Vertical	PASS
4	1959.744	-42.22	-13.00	Vertical	PASS
5	3334.097	-48.53	-13.00	Vertical	PASS
6	4985.816	-47.06	-13.00	Vertical	PASS



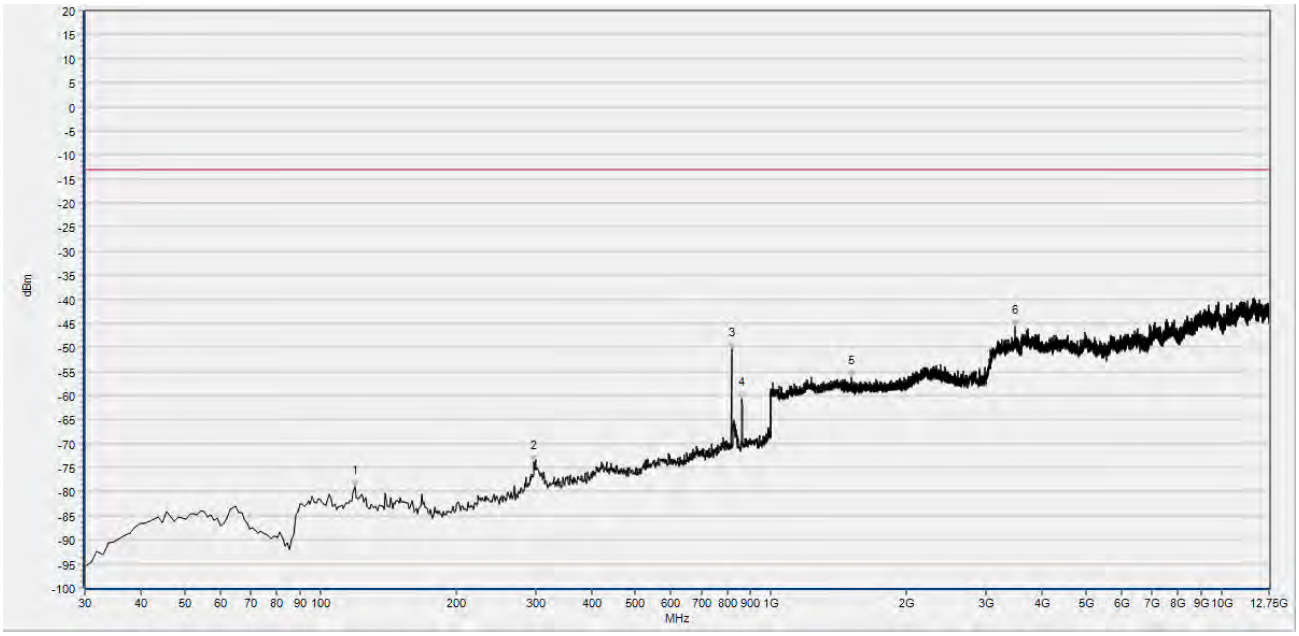
(Plot E47: EVDO B BC1 Channel = 1175, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	67.830	-66.70	-13.00	Horizontal	PASS
2	509.180	-70.22	-13.00	Horizontal	PASS
3	1383.513	-56.51	-13.00	Horizontal	PASS
4	3805.565	-47.16	-13.00	Horizontal	PASS
5	7099.509	-45.66	-13.00	Horizontal	PASS
6	11880.633	-40.18	-13.00	Horizontal	PASS



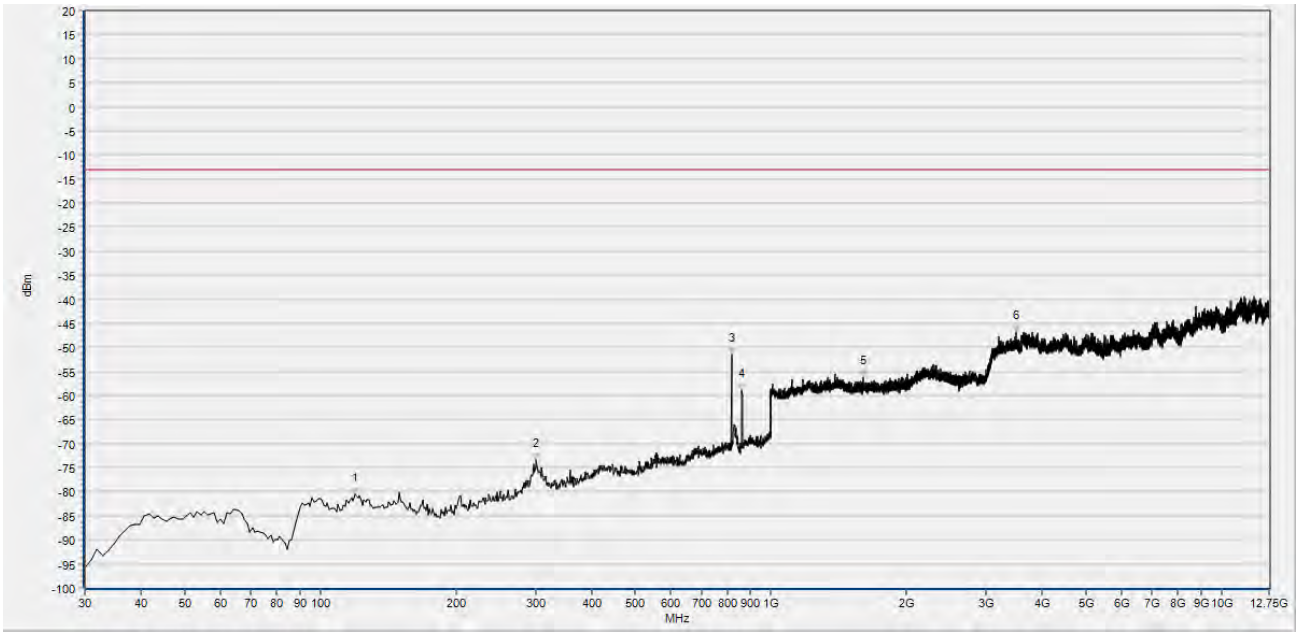
(Plot E48: EVDO B BC1 Channel = 1175, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	66.860	-59.28	-13.00	Vertical	PASS
2	374.350	-69.91	-13.00	Vertical	PASS
3	1989.196	-43.46	-13.00	Vertical	PASS
4	3641.026	-47.78	-13.00	Vertical	PASS
5	9121.440	-42.12	-13.00	Vertical	PASS
6	13367.812	-38.69	-13.00	Vertical	PASS



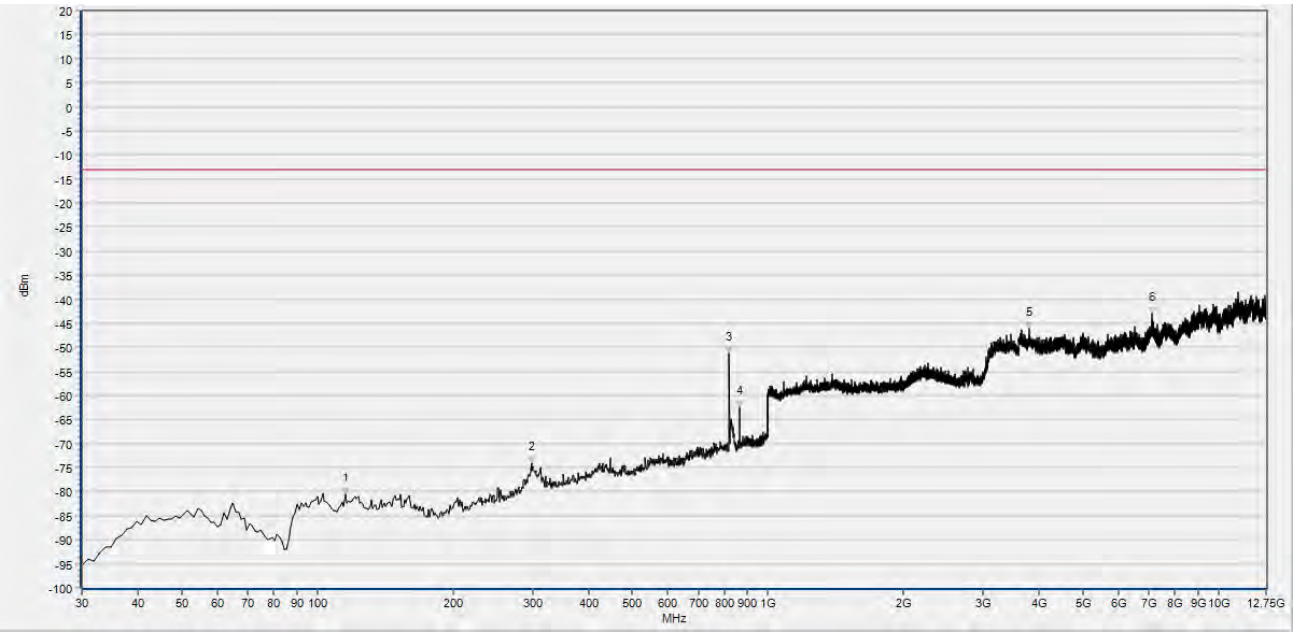
(Plot E49: CDMA BC10 Channel = 450, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	119.240	-79.06	-13.00	Horizontal	PASS
2	297.720	-73.89	-13.00	Horizontal	PASS
3	817.640	-50.33	-13.00	Horizontal	PASS
4	862.260	-60.74	-13.00	Horizontal	PASS
5	1509.644	-56.11	-13.00	Horizontal	PASS
6	3480.442	-45.72	-13.00	Horizontal	PASS



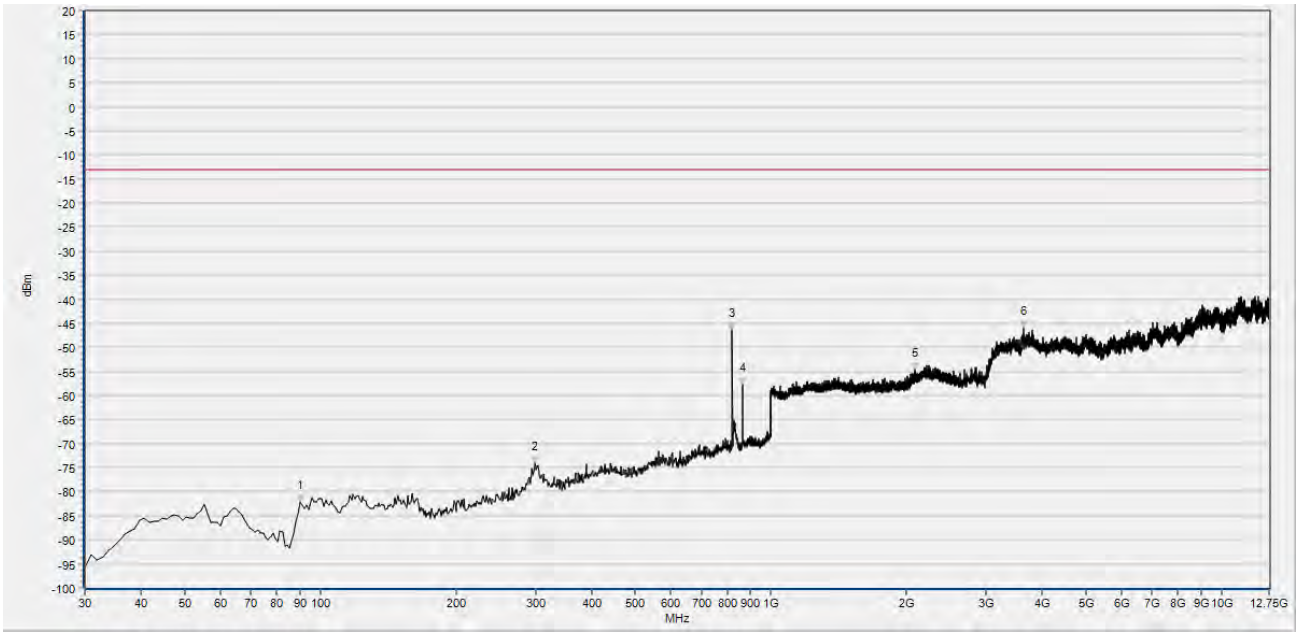
(Plot E50: CDMA BC10 Channel = 450, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	119.240	-80.63	-13.00	Vertical	PASS
2	301.600	-73.36	-13.00	Vertical	PASS
3	817.640	-51.59	-13.00	Vertical	N/A
4	862.260	-58.94	-13.00	Vertical	N/A
5	1598.639	-56.27	-13.00	Vertical	PASS
6	3504.437	-46.84	-13.00	Vertical	PASS



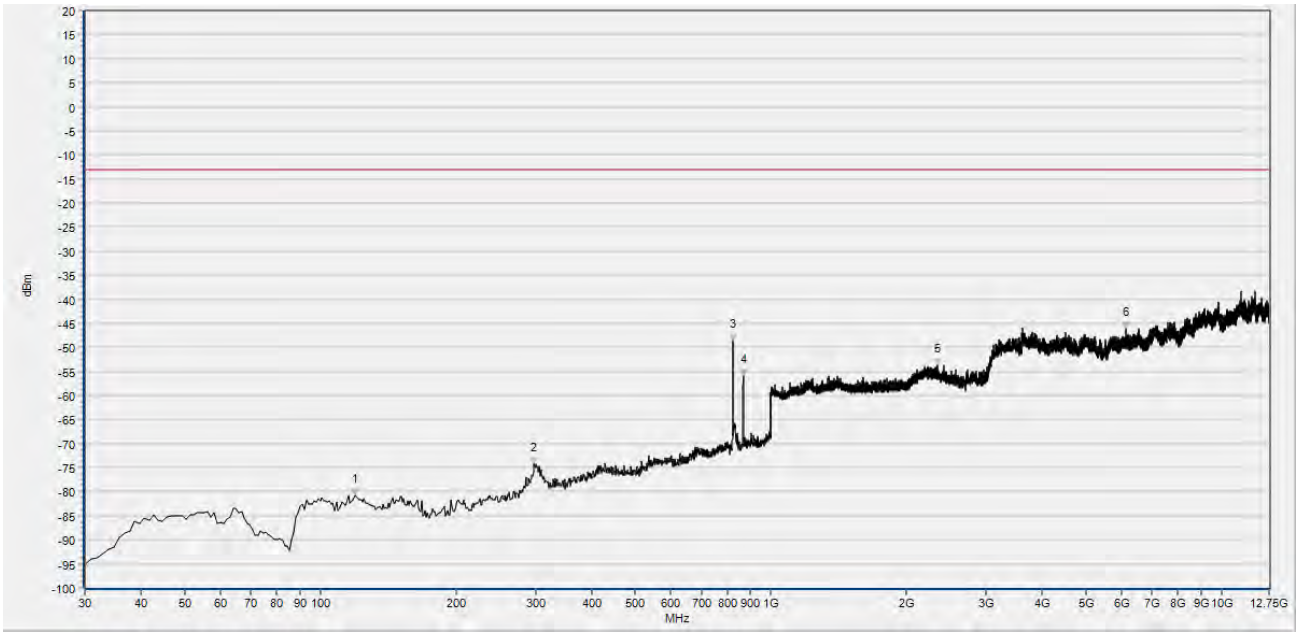
(Plot E51: CDMA BC10 Channel = 560, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	115.360	-80.55	-13.00	Horizontal	PASS
2	298.690	-74.15	-13.00	Horizontal	PASS
3	819.580	-51.39	-13.00	Horizontal	N/A
4	865.170	-62.52	-13.00	Horizontal	N/A
5	3805.301	-46.19	-13.00	Horizontal	PASS
6	7105.574	-43.08	-13.00	Horizontal	PASS



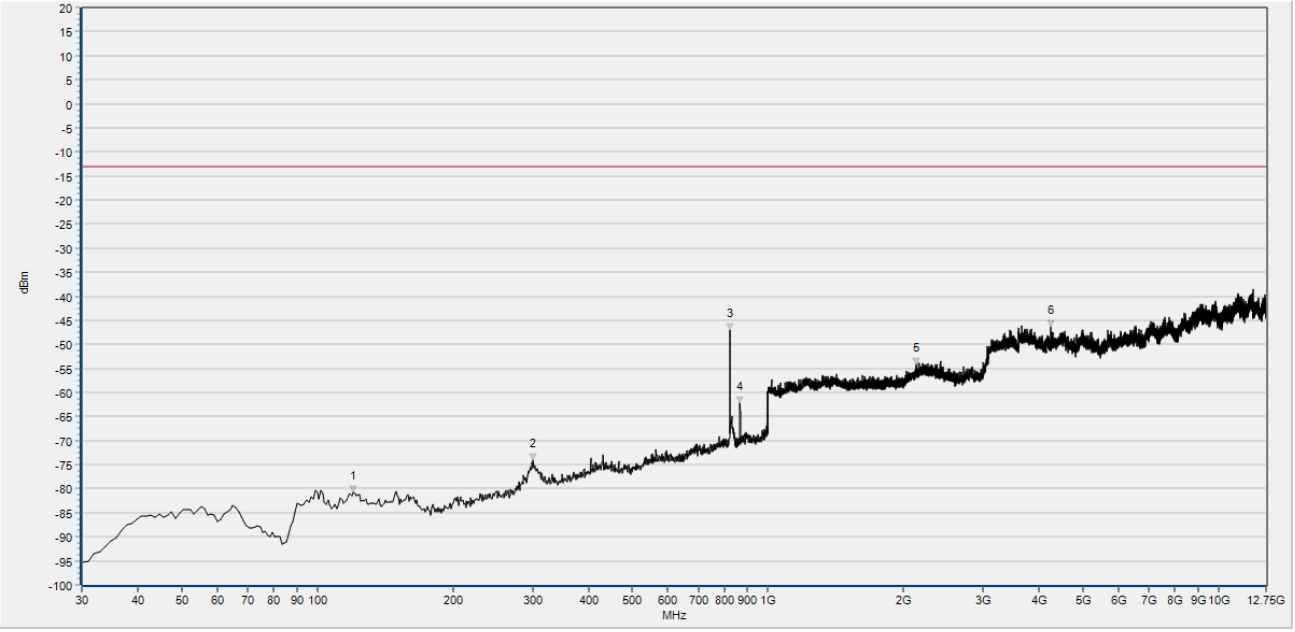
(PlotE52: CDMA BC10 Channel = 560, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	90.140	-82.10	-13.00	Vertical	PASS
2	299.660	-74.11	-13.00	Vertical	PASS
3	819.580	-46.40	-13.00	Vertical	N/A
4	864.200	-57.80	-13.00	Vertical	N/A
5	2087.155	-54.53	-13.00	Vertical	PASS
6	3629.951	-45.85	-13.00	Vertical	PASS



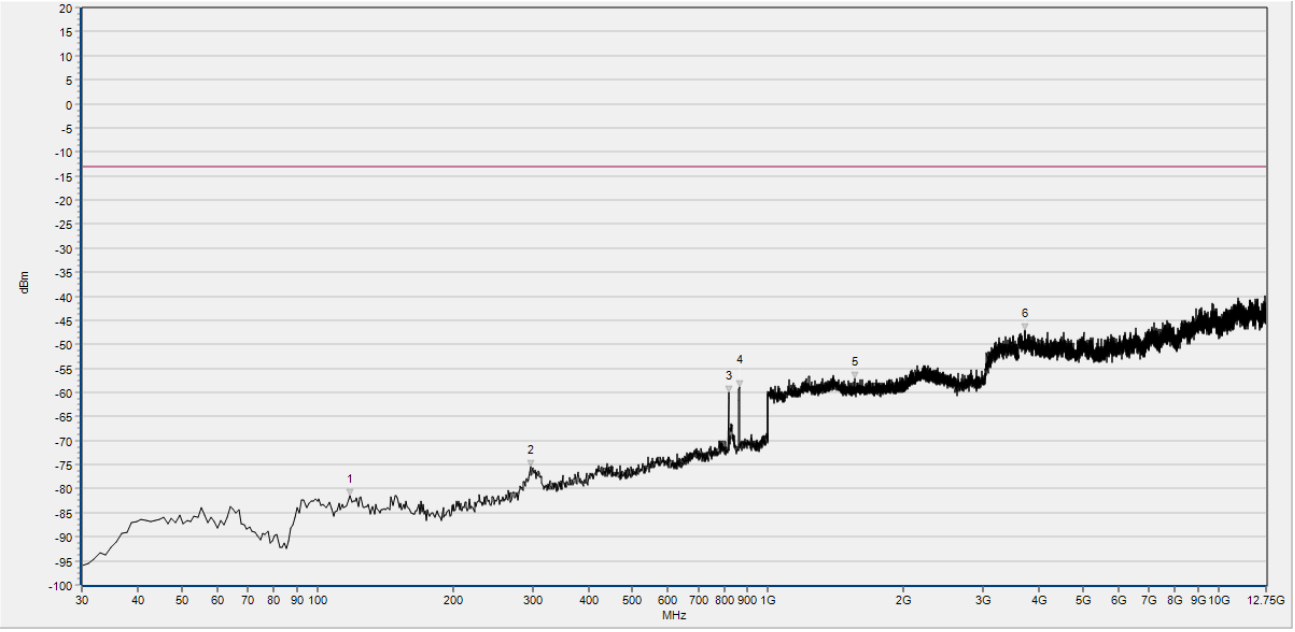
(Plot E53: CDMA BC10 Channel = 670, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	119.240	-80.83	-13.00	Horizontal	PASS
2	297.720	-74.32	-13.00	Horizontal	PASS
3	822.490	-48.71	-13.00	Horizontal	N/A
4	868.080	-56.09	-13.00	Horizontal	N/A
5	2338.135	-53.75	-13.00	Horizontal	PASS
6	6127.305	-46.22	-13.00	Horizontal	PASS



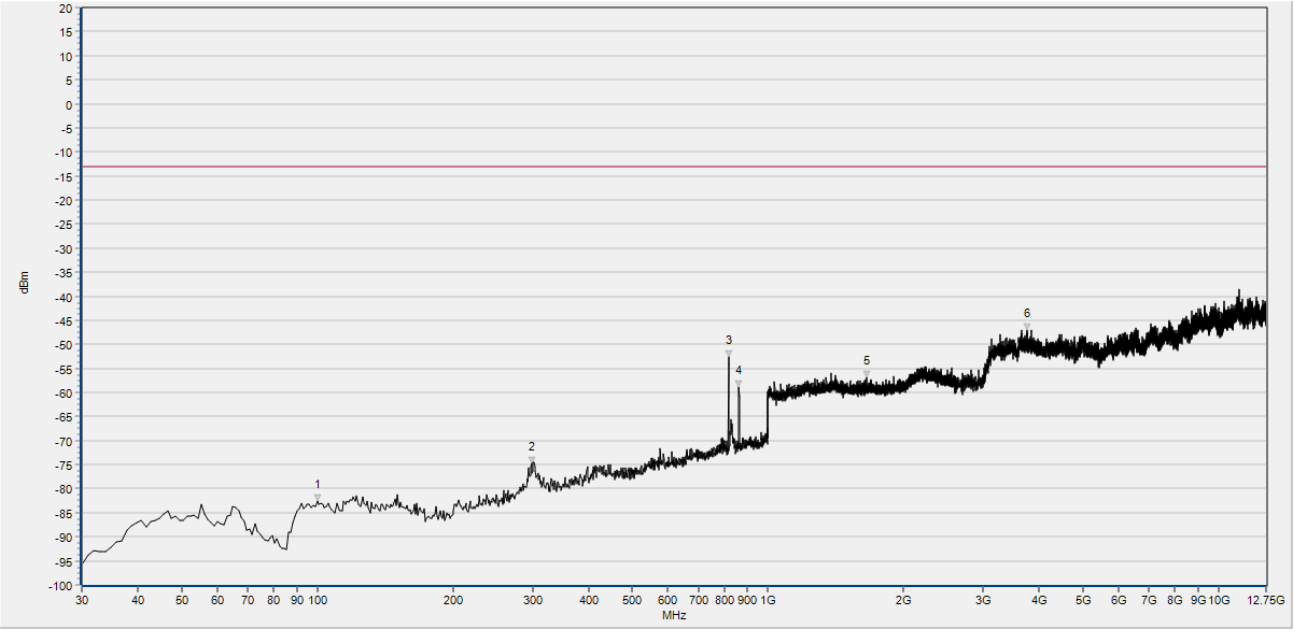
(Plot E54: CDMA BC10 Channel = 670, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	120.210	-80.86	-13.00	Vertical	PASS
2	301.600	-74.18	-13.00	Vertical	PASS
3	823.460	-46.98	-13.00	Vertical	N/A
4	867.110	-62.34	-13.00	Vertical	N/A
5	2128.772	-54.15	-13.00	Vertical	PASS
6	4244.599	-46.47	-13.00	Vertical	PASS



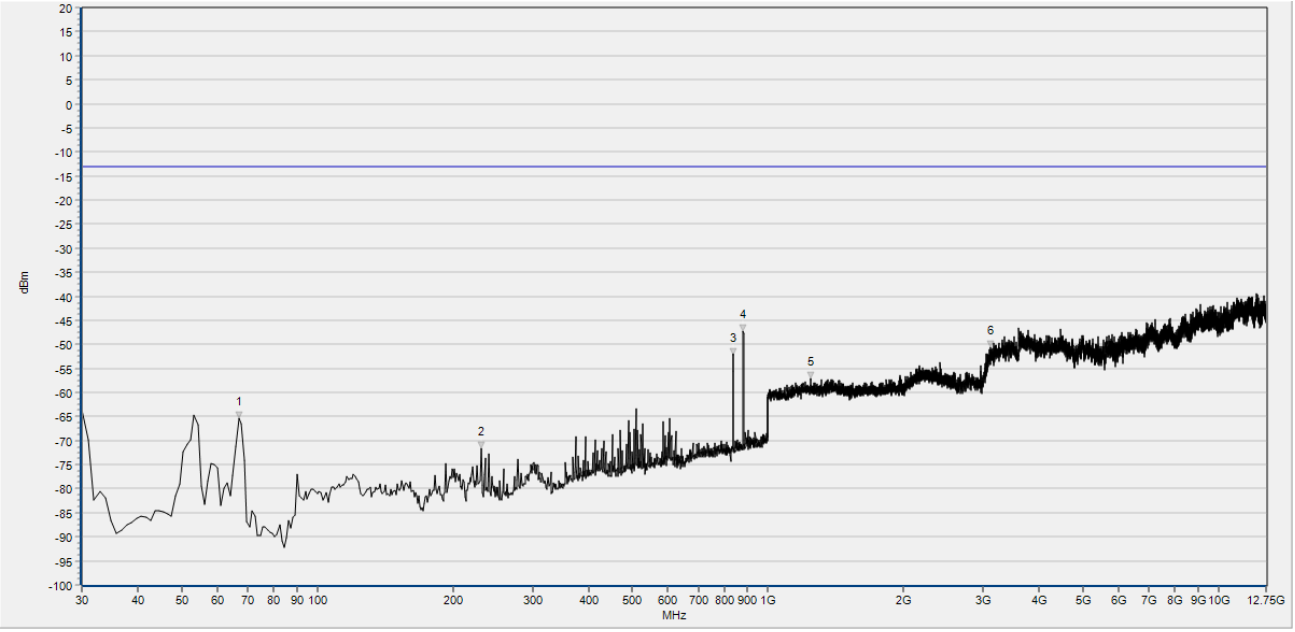
(Plot E55: EVDO 0 BC10 Channel = 450, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	118.270	-81.55	-13.00	Horizontal	PASS
2	296.750	-75.50	-13.00	Horizontal	PASS
3	817.640	-59.91	-13.00	Horizontal	N/A
4	863.230	-58.93	-13.00	Horizontal	N/A
5	1560.224	-57.18	-13.00	Horizontal	PASS
6	3725.932	-47.01	-13.00	Horizontal	PASS



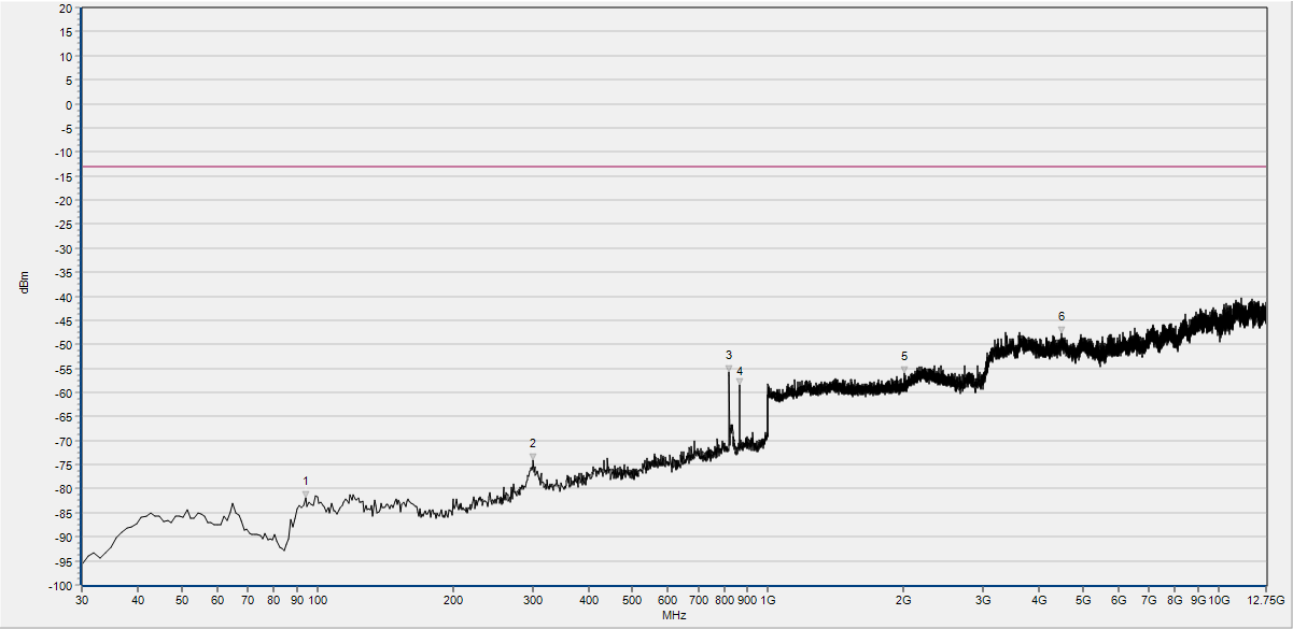
(Plot E56: EVDO 0 BC10 Channel = 450, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	99.840	-82.66	-13.00	Vertical	PASS
2	298.690	-74.77	-13.00	Vertical	PASS
3	817.640	-52.65	-13.00	Vertical	N/A
4	862.260	-58.94	-13.00	Vertical	N/A
5	1654.342	-56.94	-13.00	Vertical	PASS
6	3755.465	-46.93	-13.00	Vertical	PASS



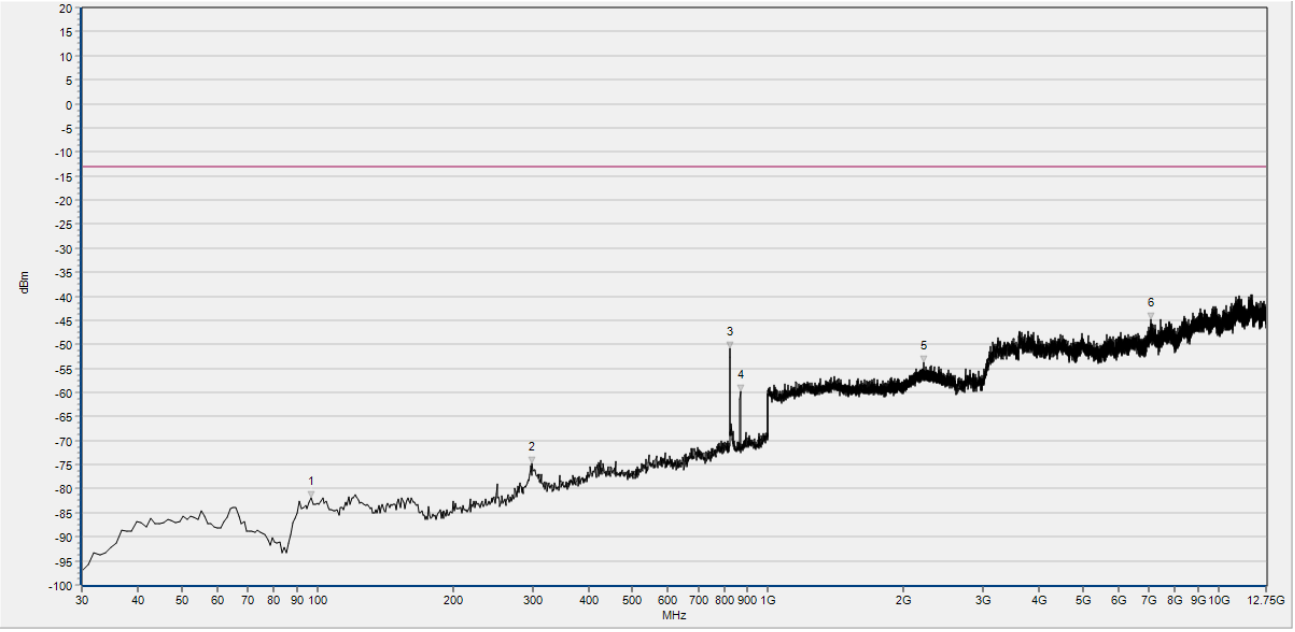
(Plot E57: EVDO 0 BC10 Channel = 560, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	66.860	-65.42	-13.00	Horizontal	PASS
2	230.790	-71.70	-13.00	Horizontal	PASS
3	836.070	-52.16	-13.00	Horizontal	PASS
4	881.660	-47.20	-13.00	Horizontal	PASS
5	1243.297	-57.01	-13.00	Horizontal	PASS
6	3120.513	-50.64	-13.00	Horizontal	PASS



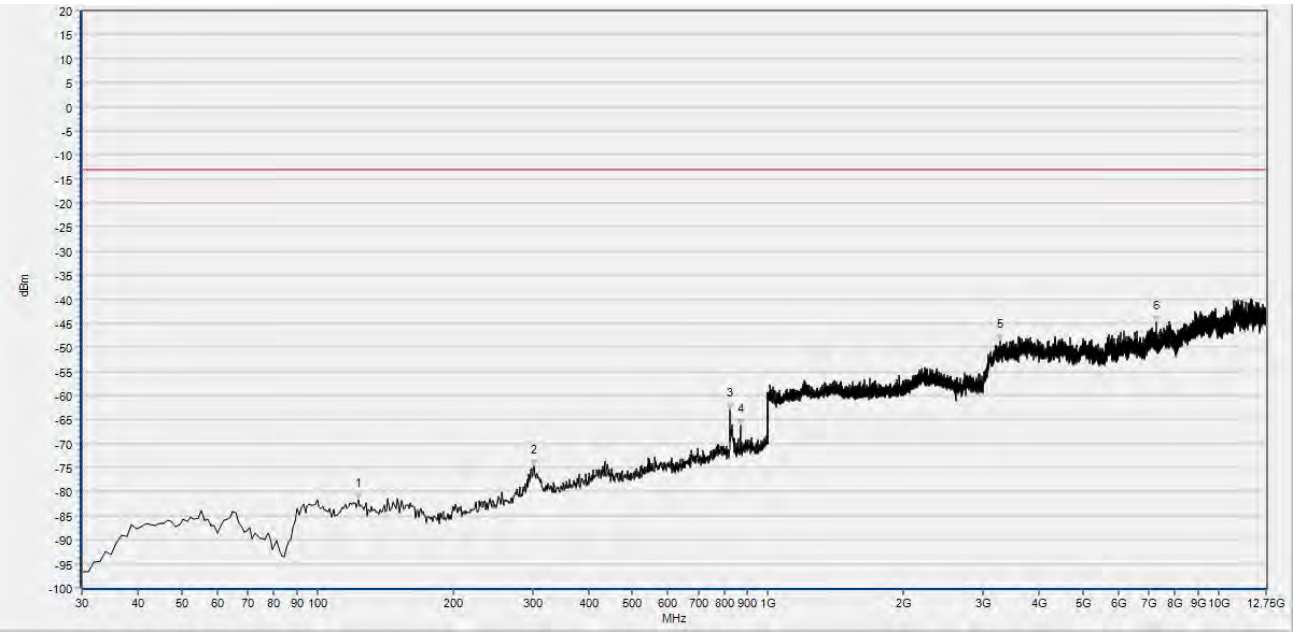
(PlotE58: EVDO 0 BC10 Channel = 560, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	94.020	-81.80	-13.00	Vertical	PASS
2	301.600	-74.10	-13.00	Vertical	PASS
3	819.580	-55.85	-13.00	Vertical	N/A
4	865.170	-58.35	-13.00	Vertical	N/A
5	2012.245	-55.91	-13.00	Vertical	PASS
6	4479.014	-47.63	-13.00	Vertical	PASS



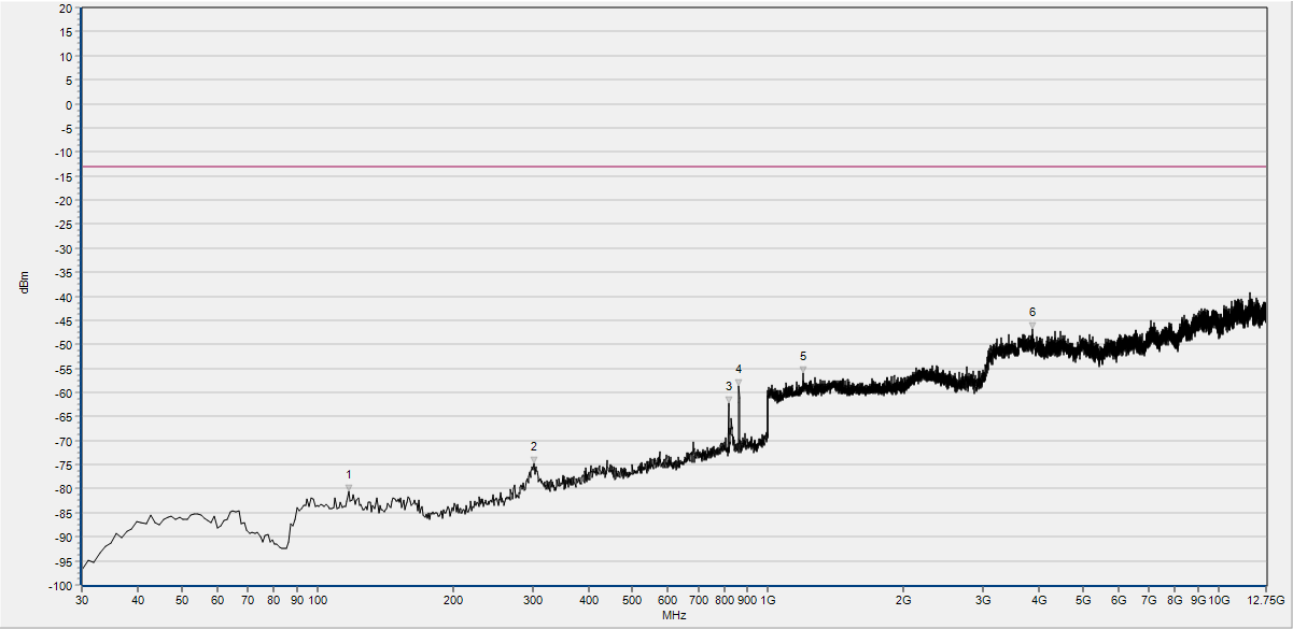
(Plot E59: EVDO 0 BC10 Channel =670, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	96.930	-81.94	-13.00	Horizontal	PASS
2	299.660	-74.64	-13.00	Horizontal	PASS
3	822.490	-50.93	-13.00	Horizontal	N/A
4	868.080	-59.70	-13.00	Horizontal	N/A
5	2214.566	-53.85	-13.00	Horizontal	PASS
6	7077.887	-44.83	-13.00	Horizontal	PASS



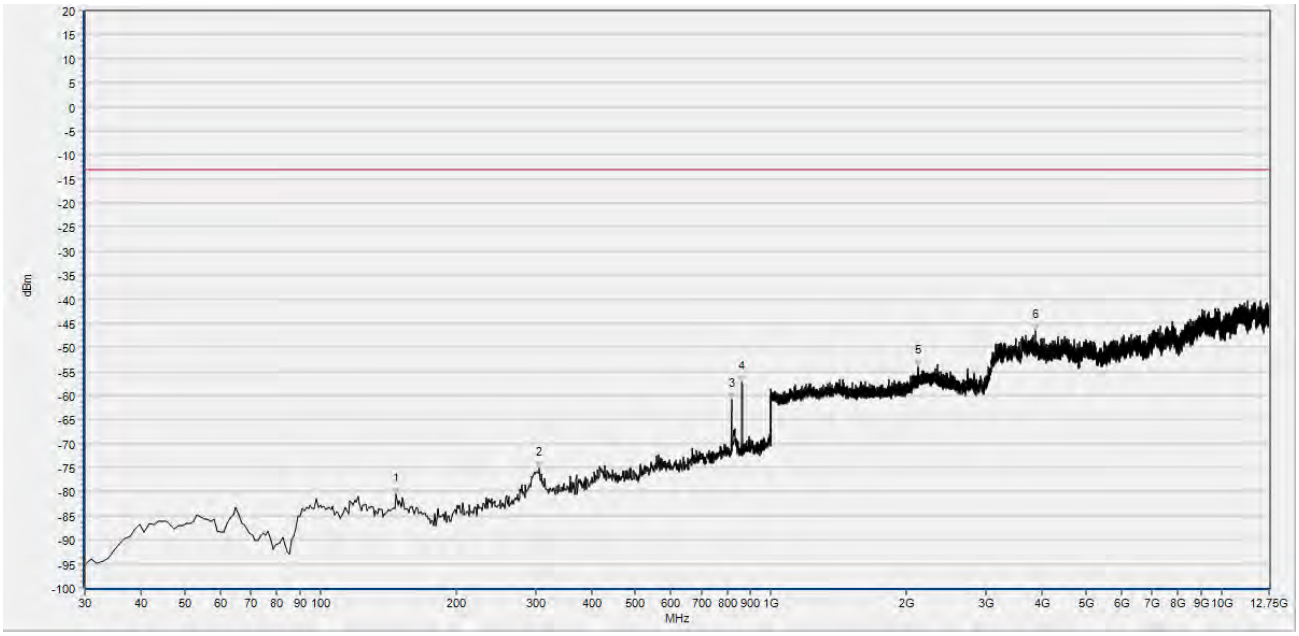
(Plot E60: EVDO 0 BC10 Channel = 670, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	123.120	-81.57	-13.00	Vertical	PASS
2	302.570	-74.79	-13.00	Vertical	PASS
3	823.460	-62.96	-13.00	Vertical	N/A
4	868.080	-66.35	-13.00	Vertical	N/A
5	3282.942	-48.64	-13.00	Vertical	PASS
6	7277.232	-44.84	-13.00	Vertical	PASS



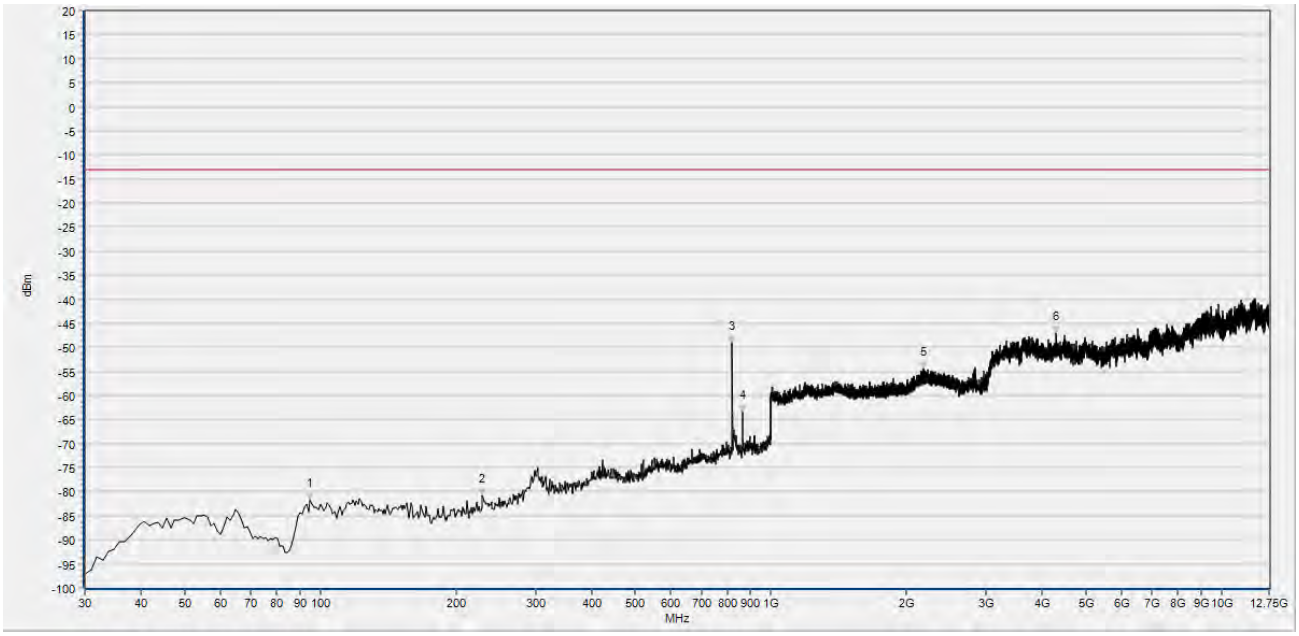
(Plot E61: EVDO A BC10 Channel = 450, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	117.300	-80.65	-13.00	Horizontal	PASS
2	302.570	-74.67	-13.00	Horizontal	PASS
3	817.640	-62.31	-13.00	Horizontal	N/A
4	862.260	-58.68	-13.00	Horizontal	N/A
5	1199.120	-56.01	-13.00	Horizontal	PASS
6	3869.904	-46.83	-13.00	Horizontal	PASS



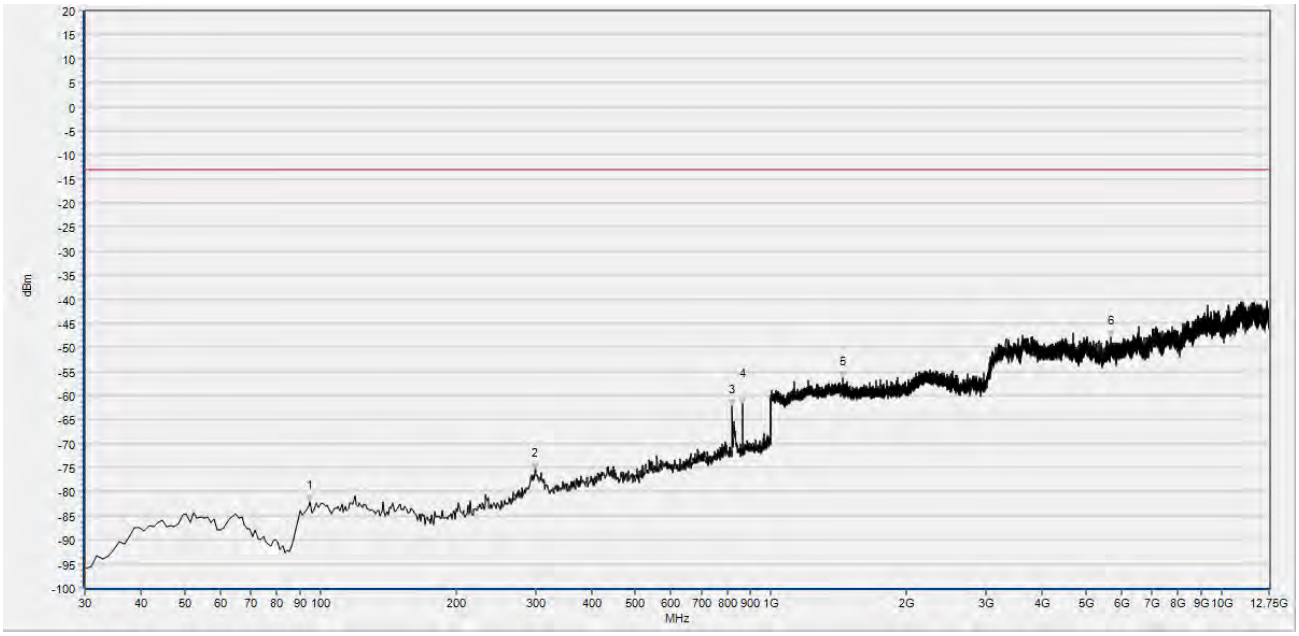
(Plot E61: EVDO A BC10 Channel = 450, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	147.370	-80.48	-13.00	Vertical	PASS
2	306.450	-75.29	-13.00	Vertical	PASS
3	816.670	-60.87	-13.00	Vertical	N/A
4	862.260	-57.37	-13.00	Vertical	N/A
5	2124.290	-53.96	-13.00	Vertical	PASS
6	3860.675	-46.69	-13.00	Vertical	PASS



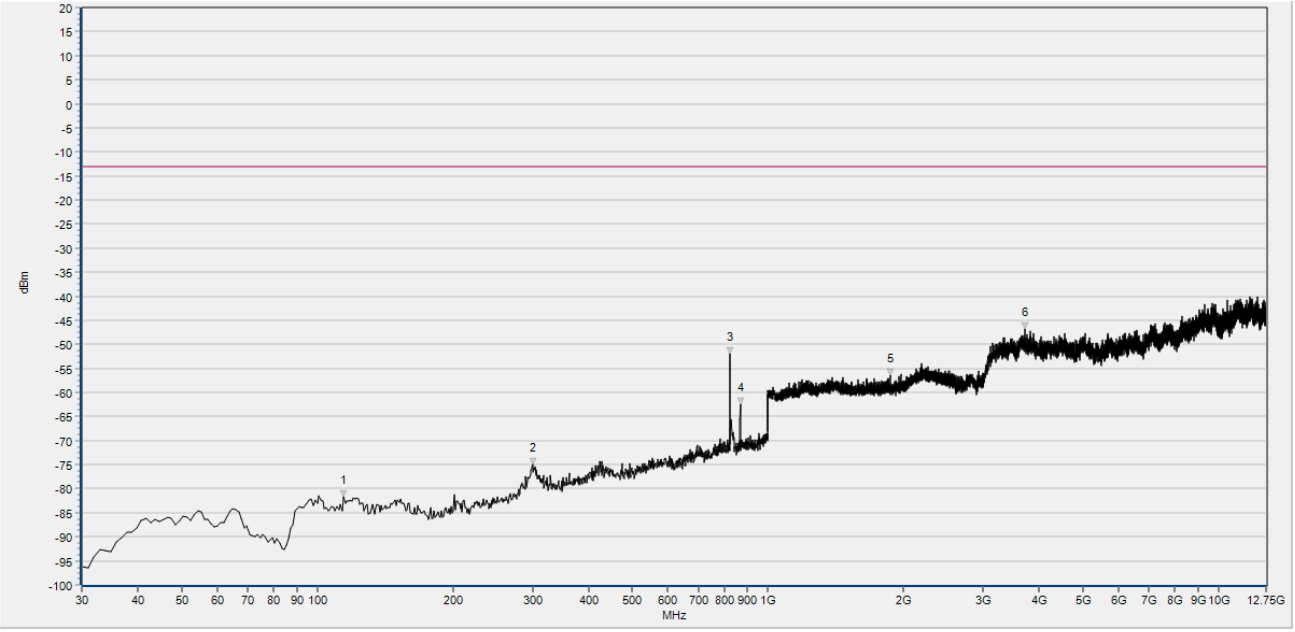
(Plot E63: EVDO A BC10 Channel = 560, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	94.990	-81.75	-13.00	Horizontal	PASS
2	228.850	-80.89	-13.00	Horizontal	PASS
3	819.580	-49.08	-13.00	Horizontal	N/A
4	864.200	-63.35	-13.00	Horizontal	N/A
5	2174.230	-54.45	-13.00	Horizontal	PASS
6	4298.127	-46.96	-13.00	Horizontal	PASS



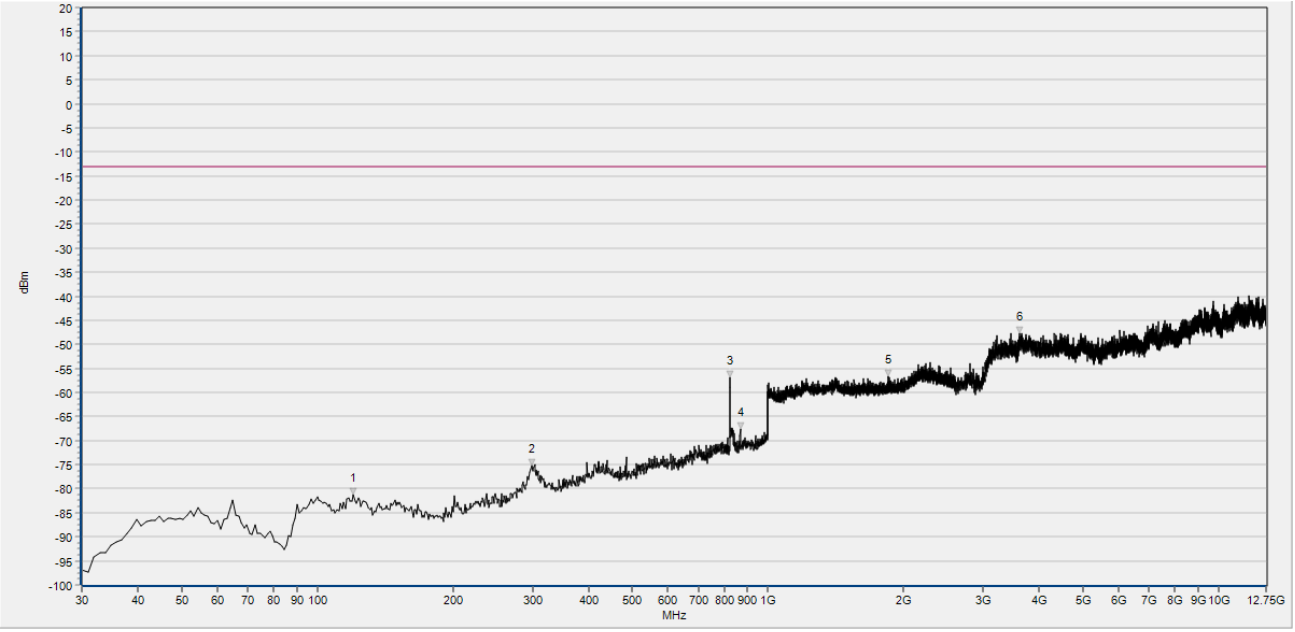
(PlotE64: EVDO A BC10 Channel = 560, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	94.990	-82.19	-13.00	Vertical	PASS
2	299.660	-75.38	-13.00	Vertical	PASS
3	819.580	-62.23	-13.00	Vertical	N/A
4	864.200	-61.70	-13.00	Vertical	N/A
5	1444.978	-56.40	-13.00	Vertical	PASS
6	5671.395	-47.99	-13.00	Vertical	PASS



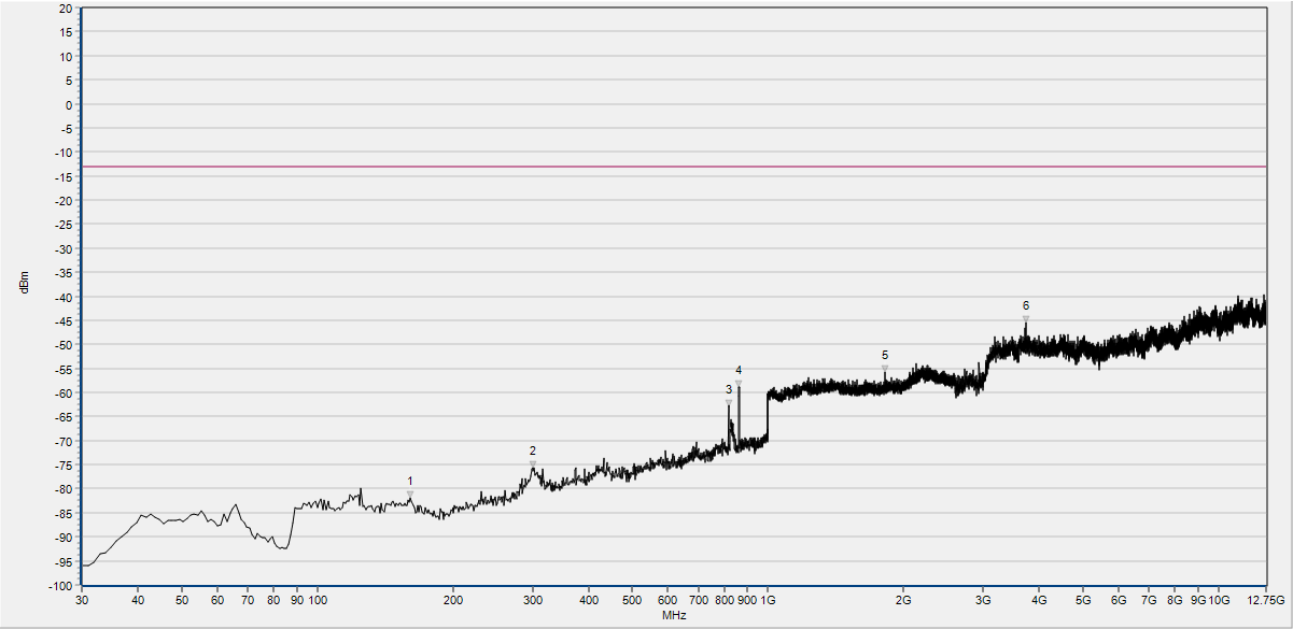
(Plot E65: EVDO A BC10 Channel =670, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	114.390	-81.70	-13.00	Horizontal	PASS
2	300.630	-75.07	-13.00	Horizontal	PASS
3	822.490	-52.00	-13.00	Horizontal	N/A
4	868.080	-62.55	-13.00	Horizontal	N/A
5	1873.309	-56.42	-13.00	Horizontal	PASS
6	3714.857	-46.72	-13.00	Horizontal	PASS



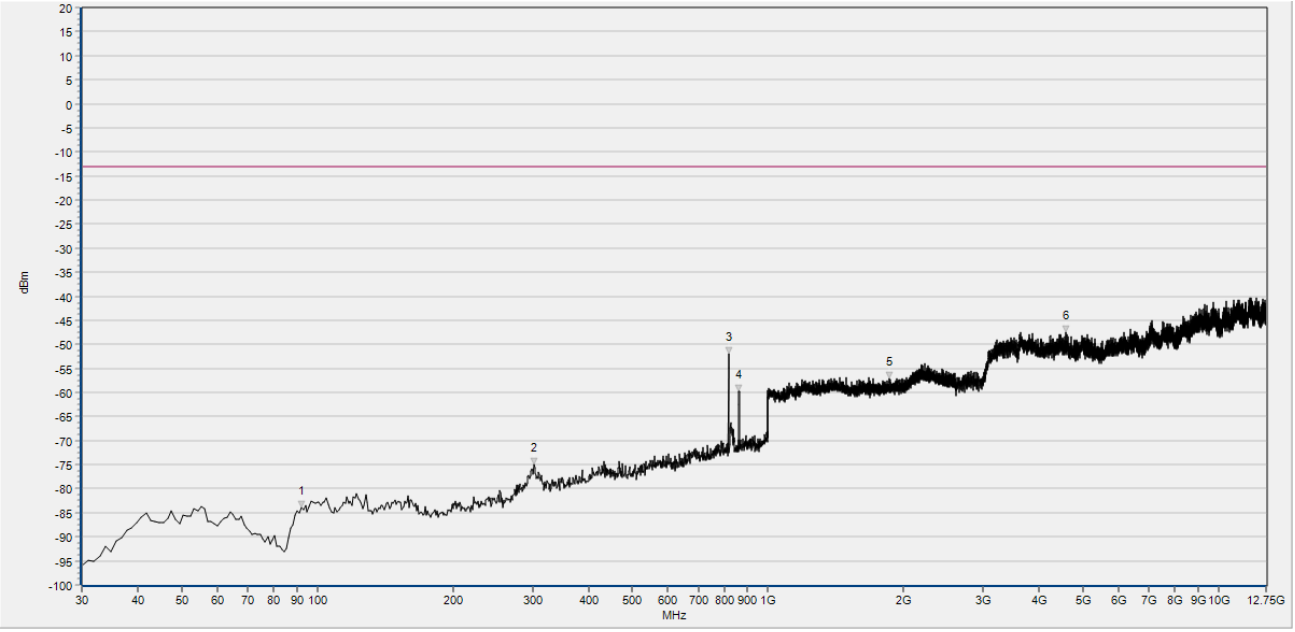
(Plot E66: EVDO A BC10 Channel = 670, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	120.210	-81.21	-13.00	Vertical	PASS
2	298.690	-75.09	-13.00	Vertical	PASS
3	823.460	-56.81	-13.00	Vertical	N/A
4	868.080	-67.59	-13.00	Vertical	N/A
5	1845.778	-56.68	-13.00	Vertical	PASS
6	3609.647	-47.69	-13.00	Vertical	PASS



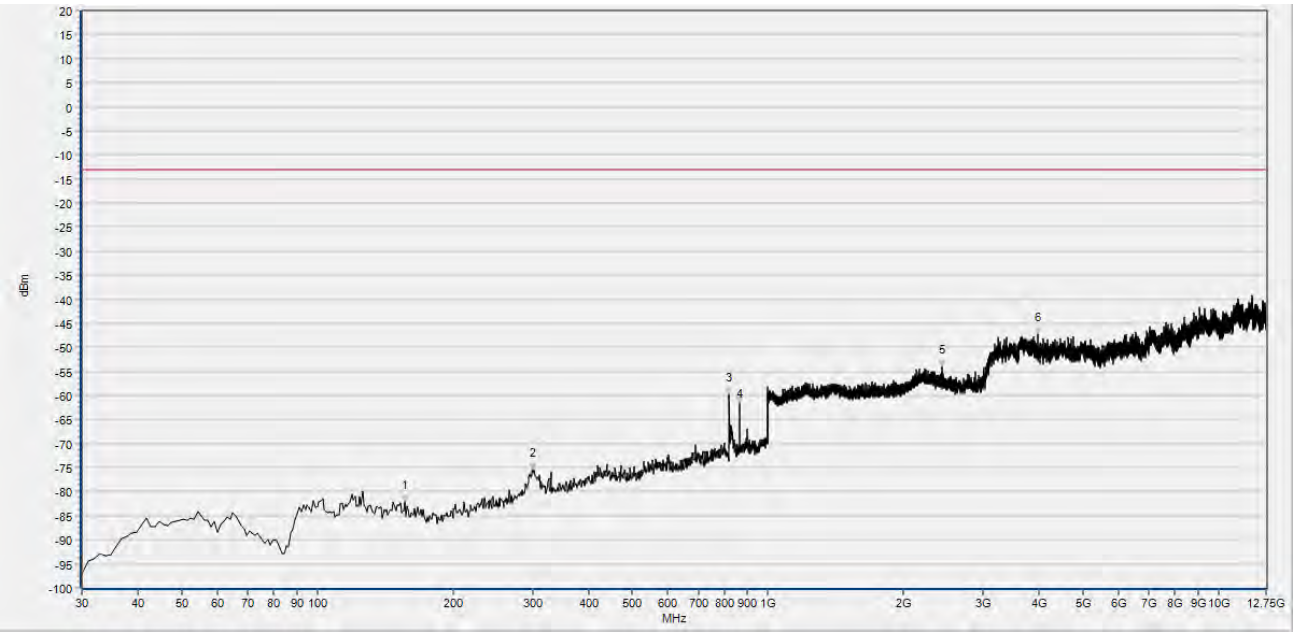
(Plot E67: EVDO B BC10 Channel = 450, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	160.950	-82.01	-13.00	Horizontal	PASS
2	300.630	-75.67	-13.00	Horizontal	PASS
3	816.670	-62.92	-13.00	Horizontal	N/A
4	862.260	-58.93	-13.00	Horizontal	N/A
5	1819.528	-55.66	-13.00	Horizontal	PASS
6	3733.315	-45.47	-13.00	Horizontal	PASS



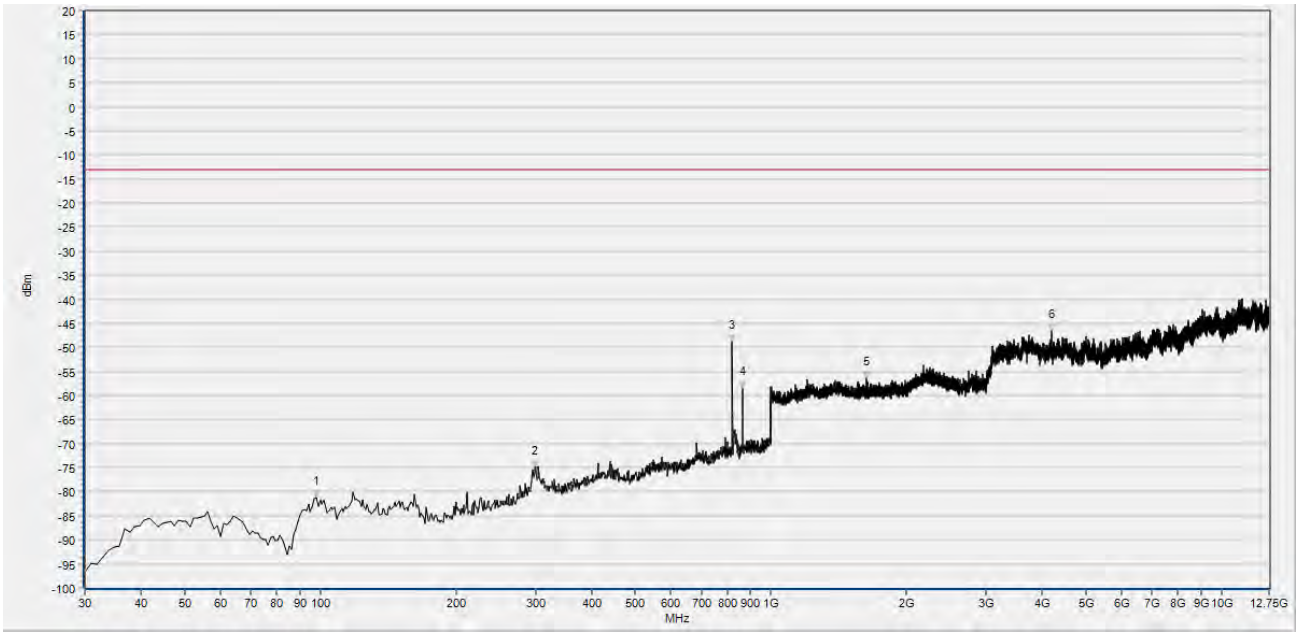
(Plot E68: EVDO B BC10 Channel = 450, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	92.080	-83.90	-13.00	Vertical	PASS
2	302.570	-75.01	-13.00	Vertical	PASS
3	817.640	-51.90	-13.00	Vertical	N/A
4	862.260	-59.69	-13.00	Vertical	N/A
5	1861.785	-57.10	-13.00	Vertical	PASS
6	4574.995	-47.40	-13.00	Vertical	PASS



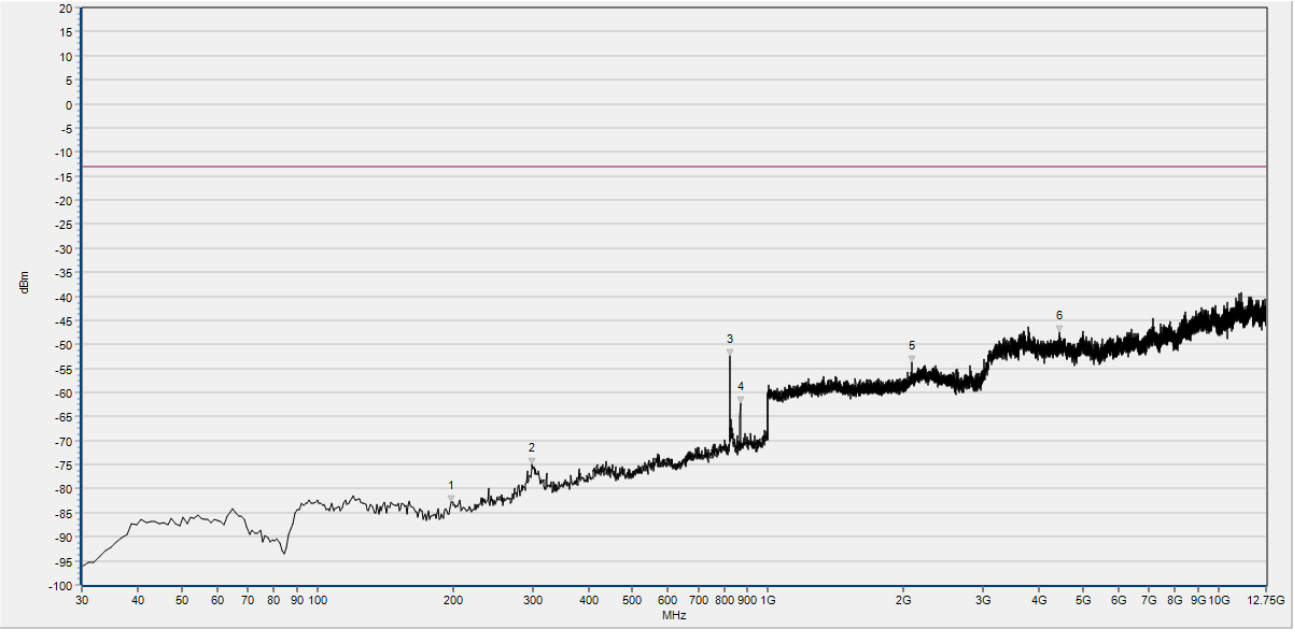
(Plot E69: EVDO B BC10 Channel = 560, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	156.100	-82.06	-13.00	Horizontal	PASS
2	300.630	-75.34	-13.00	Horizontal	PASS
3	820.550	-59.76	-13.00	Horizontal	N/A
4	865.170	-61.50	-13.00	Horizontal	N/A
5	2435.454	-54.05	-13.00	Horizontal	PASS
6	3975.114	-47.33	-13.00	Horizontal	PASS



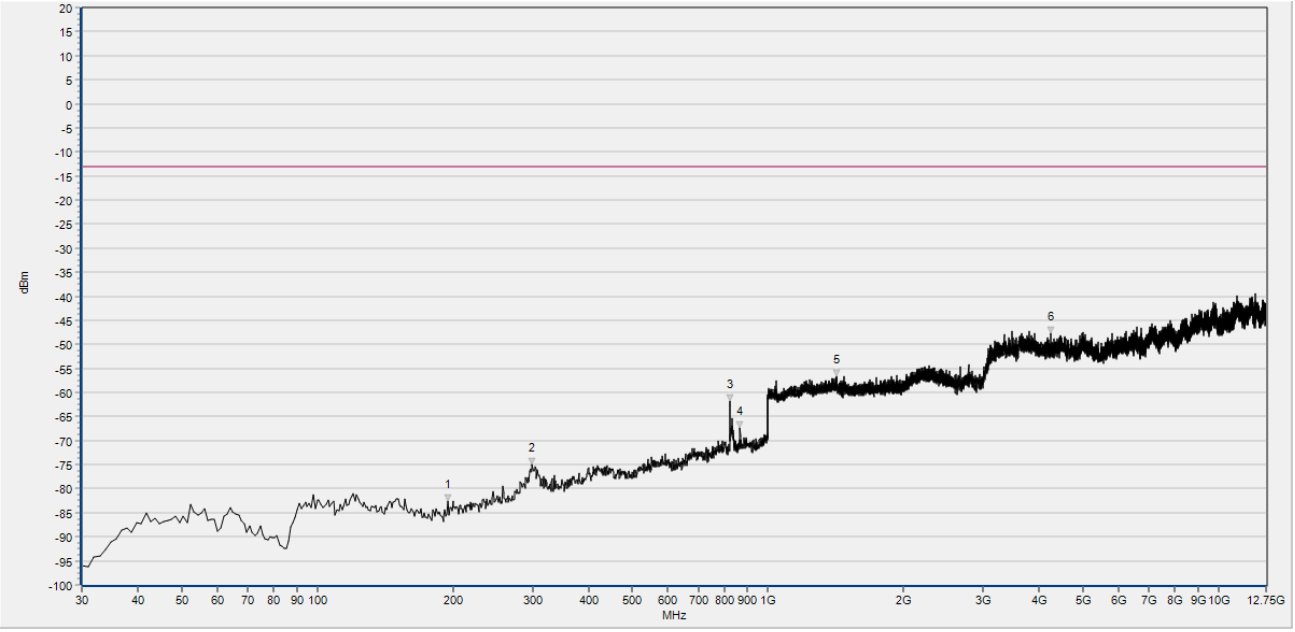
(PlotE70: EVDO B BC10 Channel = 560, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	97.900	-81.30	-13.00	Vertical	PASS
2	299.660	-74.97	-13.00	Vertical	PASS
3	820.550	-48.93	-13.00	Vertical	N/A
4	865.170	-58.36	-13.00	Vertical	N/A
5	1630.012	-56.49	-13.00	Vertical	PASS
6	4196.608	-46.62	-13.00	Vertical	PASS



(Plot E71: EVDO B BC10 Channel = 670, Test Antenna Horizontal)

Num	Freq(MHz)	Peak (dBm)	Limit(PK)	Antenna	Verdict
1	197.810	-82.82	-13.00	Horizontal	PASS
2	299.660	-74.99	-13.00	Horizontal	PASS
3	822.490	-52.33	-13.00	Horizontal	N/A
4	868.080	-62.32	-13.00	Horizontal	N/A
5	2087.155	-53.85	-13.00	Horizontal	PASS
6	4443.944	-47.41	-13.00	Horizontal	PASS



(Plot E72: EVDO B BC10 Channel = 670, Test Antenna Vertical)

Num	Freq(MHz)	Peak (dBm)	Limit (PK)	Antenna	Verdict
1	194.900	-82.61	-13.00	Vertical	PASS
2	299.660	-75.01	-13.00	Vertical	PASS
3	822.490	-61.76	-13.00	Vertical	N/A
4	867.110	-67.48	-13.00	Vertical	N/A
5	1416.807	-56.70	-13.00	Vertical	PASS
6	4237.216	-47.74	-13.00	Vertical	PASS

***** END OF REPORT *****